Electronic Supplementary Material (ESI) for Molecular BioSystems.
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General Flow
Protein PDB 3D structures ----> Molecular Descriptors ----> QSAR model

Protein Database
PDBs for Enzyme / non-Enzyme Regulators used as input for the MInd-Prot software in order to be encoded as 3D Markov Mean Properties

Non-Enzyme Regulators
cullpdb_pc20_res1.6_R0.25_d121103_chains2111.txt from http://dunbrack.fccc.edu/Guoli/PISCES_OptionPage.php ---> PDBChain (input format for Mind-Prot):

Enzyme Regulators
PDB chains from Advanced Browser at PDB Databank.

The input file for the MInd-Prot has the format: PDBChain (4 characters for PDB name, 1 character for the chain letter)

1A12A EnzymeReg
1A46L EnzymeReg
1A6JA EnzymeReg
1AD8L EnzymeReg
1AGRD EnzymeReg
1ALEA EnzymeReg
1ALFA EnzymeReg
1AS4B EnzymeReg
1AV1A EnzymeReg
1AVGL EnzymeReg
1AY6L EnzymeReg
1B3AA EnzymeReg
1B3UA EnzymeReg
1B5GL EnzymeReg
1BD8A EnzymeReg
1BEAA EnzymeReg
1BHUA EnzymeReg
1BO9A EnzymeReg
1BV8A EnzymeReg
1BX7A EnzymeReg
1BY6A EnzymeReg
1BZ4A EnzymeReg
1CCDA EnzymeReg
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1CQ4B EnzymeReg
1CY5A EnzymeReg
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1D5TA EnzymeReg
1DECA EnzymeReg
1DGNA EnzymeReg
1DHKB EnzymeReg
1DOJB EnzymeReg

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1DS5B	EnzymeReg
1DTDB	EnzymeReg
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1EERA	EnzymeReg
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4ANIA	EnzymeReg
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4AZ3B	EnzymeReg
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4DINB	EnzymeReg
4DRWA	EnzymeReg
4DXZA	EnzymeReg
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4EJNA	EnzymeReg
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4F7ZA	EnzymeReg
4F9KA	EnzymeReg
4FIPC	EnzymeReg
4GAQT	EnzymeReg
4GD1T	EnzymeReg
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7ODCA	NonEnzymeReg
2QUDA	NonEnzymeReg
3KYZA	NonEnzymeReg
3T47A	NonEnzymeReg
4G7XA	NonEnzymeReg
1WVFA	NonEnzymeReg
3ZSJA	NonEnzymeReg
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2GPIA	NonEnzymeReg
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3LQBA	NonEnzymeReg
2OLRA	NonEnzymeReg
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1M15A	NonEnzymeReg
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2QGUA	NonEnzymeReg
3ONDA	NonEnzymeReg
2HLYA	NonEnzymeReg
2FOMA	NonEnzymeReg
2HQSA	NonEnzymeReg
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2DVMA	NonEnzymeReg
3TWEA	NonEnzymeReg
1HBNA	NonEnzymeReg
1T6FA	NonEnzymeReg
3MOLA	NonEnzymeReg
3BONA	NonEnzymeReg
2O9SA	NonEnzymeReg
3ZQUA	NonEnzymeReg
3SXMA	NonEnzymeReg
3RKGA	NonEnzymeReg
1SU8A	NonEnzymeReg
2EABA	NonEnzymeReg
3ND1A	NonEnzymeReg
3QZXA	NonEnzymeReg
2BF9A	NonEnzymeReg
4GXWA	NonEnzymeReg
3L32A	NonEnzymeReg
1YN9A	NonEnzymeReg
3ODVA	NonEnzymeReg
3QHBA	NonEnzymeReg

2Q3TA	NonEnzymeReg
3C6AA	NonEnzymeReg
1LUCA	NonEnzymeReg
1WN2A	NonEnzymeReg
2XQOA	NonEnzymeReg
3ZR8X	NonEnzymeReg
3HLXA	NonEnzymeReg
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1K5NA	NonEnzymeReg
1H99A	NonEnzymeReg
1A4IA	NonEnzymeReg
3SRIB	NonEnzymeReg
3POWA	NonEnzymeReg
1D8WA	NonEnzymeReg
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1SX5A	NonEnzymeReg
1NZ0A	NonEnzymeReg
3QC5X	NonEnzymeReg
1HDOA	NonEnzymeReg
1WUIS	NonEnzymeReg
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3TLCA	NonEnzymeReg
1X1KF	NonEnzymeReg
3MCWA	NonEnzymeReg
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1JX6A	NonEnzymeReg
2X46A	NonEnzymeReg
3MEAA	NonEnzymeReg
4EI6B	NonEnzymeReg
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3HYNA	NonEnzymeReg
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3FEAA	NonEnzymeReg
2V3GA	NonEnzymeReg
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2EGVA	NonEnzymeReg
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2CARA	NonEnzymeReg
1L5OA	NonEnzymeReg
2OA2A	NonEnzymeReg
1QNRA	NonEnzymeReg
1KQFC	NonEnzymeReg
3NR5A	NonEnzymeReg
3MILA	NonEnzymeReg
2WFWA	NonEnzymeReg
1NQJA	NonEnzymeReg
1E+29A	NonEnzymeReg

1N7SB	NonEnzymeReg
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3RO3B	NonEnzymeReg
3VIIA	NonEnzymeReg
3I2KA	NonEnzymeReg
2WK1A	NonEnzymeReg
2EHPA	NonEnzymeReg
1VTZ0	NonEnzymeReg
2WZBA	NonEnzymeReg
1IJYA	NonEnzymeReg
2W1JA	NonEnzymeReg
1O06A	NonEnzymeReg
3US6A	NonEnzymeReg
4EGUA	NonEnzymeReg
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1B8ZA	NonEnzymeReg
3Q3YA	NonEnzymeReg
2V33A	NonEnzymeReg
1VL7A	NonEnzymeReg
1XG0A	NonEnzymeReg
3ZZPA	NonEnzymeReg
2ZUXA	NonEnzymeReg
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4UBPB	NonEnzymeReg
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2YFOA	NonEnzymeReg
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1PO5A	NonEnzymeReg
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2BMOB	NonEnzymeReg
4EKFA	NonEnzymeReg
1W23A	NonEnzymeReg
3ZVSA	NonEnzymeReg
2GXQA	NonEnzymeReg
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3H0OA	NonEnzymeReg
4GJZA	NonEnzymeReg
1V0WA	NonEnzymeReg
2HOXA	NonEnzymeReg
1RW1A	NonEnzymeReg
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3TOWA	NonEnzymeReg
1YC5A	NonEnzymeReg

1GUTA	NonEnzymeReg
2XW6A	NonEnzymeReg
3U3ZA	NonEnzymeReg
4EZIA	NonEnzymeReg
2QMCB	NonEnzymeReg
1KJQA	NonEnzymeReg
2FCOA	NonEnzymeReg
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3LMZA	NonEnzymeReg
2OXGB	NonEnzymeReg
2QFEA	NonEnzymeReg
3K05A	NonEnzymeReg
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1PE9A	NonEnzymeReg
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3Q39A	NonEnzymeReg
2XRHA	NonEnzymeReg
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2WNFA	NonEnzymeReg
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3Q1IA	NonEnzymeReg
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3C8CA	NonEnzymeReg
3VMVA	NonEnzymeReg
2WURA	NonEnzymeReg
2GSOA	NonEnzymeReg
3M73A	NonEnzymeReg
3LAGA	NonEnzymeReg
2P0NA	NonEnzymeReg
3HV8A	NonEnzymeReg
1GKPA	NonEnzymeReg
3A6RA	NonEnzymeReg
3GNZP	NonEnzymeReg
4AY0A	NonEnzymeReg
3DK9A	NonEnzymeReg
1Q6OA	NonEnzymeReg
3SGGA	NonEnzymeReg
3L8WA	NonEnzymeReg
3ISXA	NonEnzymeReg
1SVFA	NonEnzymeReg
3ZSUA	NonEnzymeReg
2R5OA	NonEnzymeReg

3PV8A	NonEnzymeReg
3M66A	NonEnzymeReg
3E7RL	NonEnzymeReg
1ZZKA	NonEnzymeReg
1QMGA	NonEnzymeReg
3NOHA	NonEnzymeReg
2FSRA	NonEnzymeReg
2PC1A	NonEnzymeReg
1G6UA	NonEnzymeReg
3B34A	NonEnzymeReg
3B5MA	NonEnzymeReg
1RDQI	NonEnzymeReg
2YIMA	NonEnzymeReg
3PB6X	NonEnzymeReg
2BU3A	NonEnzymeReg
2CG7A	NonEnzymeReg
3ZXCA	NonEnzymeReg
1LS1A	NonEnzymeReg
3RQTA	NonEnzymeReg
3A02A	NonEnzymeReg
1YN3A	NonEnzymeReg
2RKQA	NonEnzymeReg
3HDXA	NonEnzymeReg
2FWHA	NonEnzymeReg
1USEA	NonEnzymeReg
3BUXB	NonEnzymeReg
3CA7A	NonEnzymeReg
3RWNA	NonEnzymeReg
2CCWA	NonEnzymeReg
3EWYA	NonEnzymeReg
3R14A	NonEnzymeReg
2XIOA	NonEnzymeReg
3PP4P	NonEnzymeReg
2IAYA	NonEnzymeReg
2HUHA	NonEnzymeReg
3UIDA	NonEnzymeReg
2FVYA	NonEnzymeReg
1QTWA	NonEnzymeReg
3SUUA	NonEnzymeReg
3GP2B	NonEnzymeReg
1U7IA	NonEnzymeReg
1DLWA	NonEnzymeReg
1Z70X	NonEnzymeReg
1Q7LA	NonEnzymeReg
3DQYA	NonEnzymeReg
4DM5A	NonEnzymeReg
1YQSA	NonEnzymeReg
1O2DA	NonEnzymeReg
2FCTA	NonEnzymeReg
2AKZA	NonEnzymeReg
2OIZA	NonEnzymeReg
1US0A	NonEnzymeReg

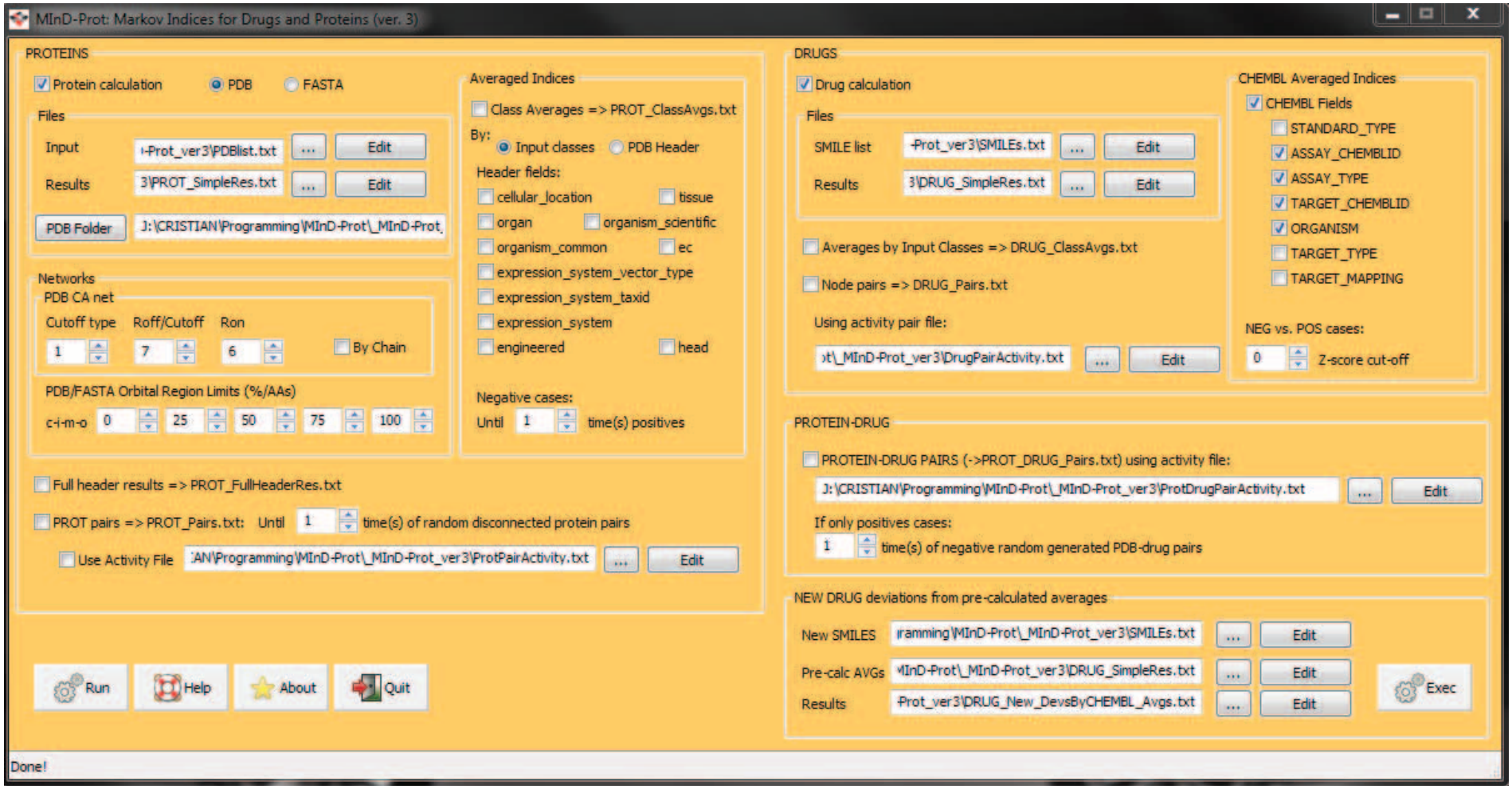
2CYJA	NonEnzymeReg
3A2ZA	NonEnzymeReg
1T8KA	NonEnzymeReg
3UAWA	NonEnzymeReg
1PFBA	NonEnzymeReg
1ODMA	NonEnzymeReg
4EYBA	NonEnzymeReg
4E7UA	NonEnzymeReg
3HM4A	NonEnzymeReg
3IIXA	NonEnzymeReg
3PVIA	NonEnzymeReg
3T63M	NonEnzymeReg
2FOMB	NonEnzymeReg
2IMFA	NonEnzymeReg
3CJSB	NonEnzymeReg
3E8TA	NonEnzymeReg
2QSWA	NonEnzymeReg
2WMFA	NonEnzymeReg
1MKKA	NonEnzymeReg
3VGIA	NonEnzymeReg
2OYOA	NonEnzymeReg
2EW0A	NonEnzymeReg
2OKTA	NonEnzymeReg
3JVLA	NonEnzymeReg
3SC7X	NonEnzymeReg
3B49A	NonEnzymeReg
1C5EA	NonEnzymeReg
1RCQA	NonEnzymeReg
3L81A	NonEnzymeReg
3LT7A	NonEnzymeReg
3D06A	NonEnzymeReg
1HQ1A	NonEnzymeReg
2C2UA	NonEnzymeReg
1RUTX	NonEnzymeReg
3IX3A	NonEnzymeReg
1YFQA	NonEnzymeReg
1VR7A	NonEnzymeReg
3V0DA	NonEnzymeReg
1OF8A	NonEnzymeReg
3TM8A	NonEnzymeReg
1ZMMA	NonEnzymeReg
2WNKA	NonEnzymeReg
2FUFA	NonEnzymeReg
3FUTA	NonEnzymeReg
1N62A	NonEnzymeReg
3R8JA	NonEnzymeReg
1KYFA	NonEnzymeReg
2GS5A	NonEnzymeReg
3NJNA	NonEnzymeReg
3HVIA	NonEnzymeReg
3FG9A	NonEnzymeReg
2PN6A	NonEnzymeReg

3ONHA	NonEnzymeReg
3ASLA	NonEnzymeReg
3A72A	NonEnzymeReg
2H5CA	NonEnzymeReg
1HFES	NonEnzymeReg
1X6IA	NonEnzymeReg
3DOUA	NonEnzymeReg
2R31A	NonEnzymeReg
3N01A	NonEnzymeReg
4E2XA	NonEnzymeReg
3LSNA	NonEnzymeReg
1SAUA	NonEnzymeReg
2XTSB	NonEnzymeReg
2YLNA	NonEnzymeReg
3SD2A	NonEnzymeReg
2HX5A	NonEnzymeReg
1LNIA	NonEnzymeReg
3BEDA	NonEnzymeReg
2WCWA	NonEnzymeReg
3VORA	NonEnzymeReg
2VN6B	NonEnzymeReg
3U7QA	NonEnzymeReg
2QCPX	NonEnzymeReg
3OG2A	NonEnzymeReg
1V8HA	NonEnzymeReg
3OV5A	NonEnzymeReg
4ESWA	NonEnzymeReg
3HZPA	NonEnzymeReg
1JETA	NonEnzymeReg
2NW8A	NonEnzymeReg
3M8JA	NonEnzymeReg
1MUNA	NonEnzymeReg
3G91A	NonEnzymeReg
2CHHA	NonEnzymeReg
2O8QA	NonEnzymeReg
1VMGA	NonEnzymeReg
3GKMA	NonEnzymeReg
2W15A	NonEnzymeReg
3TNTA	NonEnzymeReg
1FSGA	NonEnzymeReg
4GUJA	NonEnzymeReg
3F2ZA	NonEnzymeReg
1MN8A	NonEnzymeReg
2FKKA	NonEnzymeReg
2OHWA	NonEnzymeReg
3SCYA	NonEnzymeReg
2J73A	NonEnzymeReg
3LTIA	NonEnzymeReg
1UCRA	NonEnzymeReg
2RHFA	NonEnzymeReg
4DQ6A	NonEnzymeReg
3LHIA	NonEnzymeReg

2ZS0B	NonEnzymeReg
1NKGA	NonEnzymeReg
1XDZA	NonEnzymeReg
3BA3A	NonEnzymeReg
3ADMA	NonEnzymeReg
1KDVA	NonEnzymeReg
3PJPA	NonEnzymeReg
4GUCA	NonEnzymeReg
2QJWA	NonEnzymeReg
3JXYA	NonEnzymeReg
1WS8A	NonEnzymeReg
2G8SA	NonEnzymeReg
3P3CA	NonEnzymeReg
2C61A	NonEnzymeReg
1N7SC	NonEnzymeReg
3N17A	NonEnzymeReg
2P14A	NonEnzymeReg
3NOQA	NonEnzymeReg
3H7HB	NonEnzymeReg
1OW4A	NonEnzymeReg

Curate protein lists

Removing the enzyme regulator protein chains from the non-Enzyme Regulator list and eliminate the similar or too short proteins -- > Input for MInd-Prot software:



Calculation of molecular descriptors for the two classes of protein chains:

Id	PDBChain	Class	EMc	EMi	EMm	EMs	EMt	PKJJc	PKJJi	PKJJm	PKJJs	PKJJt	vdWAc	vdWAi	vdWAm	vdWAs	vdWAt	AC2Pc	AC2Pi	AC2Pm	AC2Ps	AC2Pt
1	1A12A	EnzymeRegulator	2.09738825	13.0420599	27.0254909	4.37109583	46.5360349	318.338244	2004.61476	4087.74055	656.942952	7067.63651	48.3309027	301.081887	621.383052	100.005628	1070.80147	1.35851635	8.51339842	17.4814583	2.75164851	30.1050216
3	1A6JA	EnzymeRegulator	1.62439913	9.30837521	24.5106254	12.8029853	48.2463851	249.914668	1376.99344	3618.77886	1870.18786	7115.87483	37.547473	212.754479	559.452141	291.445639	1101.19973	1.08860083	6.02792357	15.6310749	8.05378893	30.8013882
5	1AGRD	EnzymeRegulator	9.60415994	30.99439	6.992476	1.6030671	49.1940931	1434.37872	4733.29258	1057.2206	237.920401	7462.8123	220.302059	715.005556	160.455484	36.5747053	1132.3378	6.22884533	20.2486584	4.4782452	0.99339284	31.9491418
6	1ALEA	EnzymeRegulator	5.25759133	19.4445712	11.3773569	13.7536054	49.8331247	777.489667	2869.25211	1668.24337	2014.62419	7329.60934	120.054285	444.210948	259.515817	312.88475	1136.6658	3.34200142	12.4407058	7.32524878	8.60753191	31.715488
7	1ALFA	EnzymeRegulator	11.0038954	14.1269614	16.9458993	10.925682	53.002438	1789.12428	2279.54695	2671.91197	1675.83853	8416.42173	257.60411	330.037014	393.493319	251.767416	1232.90186	7.39061676	9.46291437	11.203609	7.12643592	35.183576
8	1AS4B	EnzymeRegulator	4.69454573	15.5623283	24.1708555	5.53445528	49.9621848	701.82788	2410.55516	3713.06225	804.206154	7629.65145	108.626381	361.70539	557.230313	125.851214	1153.4133	3.18397058	10.5249261	15.6924074	3.48642589	32.88773
9	1AV1A	EnzymeRegulator	0	0.24815164	32.8377806	16.7772014	49.8631337	0	36.4585003	4984.43914	2487.30902	7508.20666	0	5.64588301	753.744709	383.689451	1143.08004	0	0.15705244	20.9472804	10.719635	31.8239679
10	1AVGL	EnzymeRegulator	3.60643568	23.9230947	14.4444013	7.18713265	49.1610643	548.425907	3563.0825	2273.03088	1125.61127	7510.15057	82.7161242	548.673246	336.201621	166.586403	1134.17739	2.30503018	15.3674431	9.67419839	4.71268311	32.0593548
12	1B3AA	EnzymeRegulator	7.26648186	25.1749807	12.842337	3.31271013	48.5965097	1154.23328	3934.64759	1943.4069	496.007997	7528.29577	169.662615	583.302655	295.291736	76.2993791	1124.55638	4.91767104	16.4331846	8.18387566	2.14043425	31.6751655
13	1B3UA	EnzymeRegulator	1.1153643	19.5058935	19.8937776	7.86233812	48.3773735	164.939015	2885.29715	2973.93882	1147.56517	7171.74015	25.4641277	446.25312	456.211821	179.3343	1107.26337	0.70604123	12.5396641	12.8493107	5.02092914	31.1159451
15	1BD8A	EnzymeRegulator	2.30992339	16.3228101	16.7297842	11.0392127	46.4017304	345.673002	2386.81576	2471.33039	1668.2648	6872.08394	52.83981	372.368942	381.285042	252.46136	1058.95515	1.46888413	10.4262907	10.516837	6.93486988	29.3468817
16	1BEAA	EnzymeRegulator	3.32882825	20.5582449	20.2570794	2.97817124	47.1223238	506.769973	3129.87934	3097.24857	434.742395	7168.64028	76.7142947	473.351945	466.918553	67.9470918	1084.93188	2.15326493	13.2238573	13.0932295	1.88322832	30.3535801
17	1BHUA	EnzymeRegulator	0.46498473	15.5115433	24.4845273	4.74097227	45.2020276	70.34427	2314.99705	3653.74563	741.074321	6780.16127	10.6657073	355.627117	561.115268	109.772982	1037.18107	0.29625171	9.98167914	15.6484906	3.08029754	29.006719
18	1BO9A	EnzymeRegulator	0	15.5294665	26.6586736	6.56226333	48.7504035	0	2254.71569	3884.03324	972.46498	7111.21391	0	353.559751	607.053227	150.010833	1110.62381	0	9.96360944	16.9651449	4.19171779	31.1204721
19	1BV8A	EnzymeRegulator	4.96389907	21.3608013	16.6611511	4.8399587	47.8258102	739.650822	3173.60678	2518.43726	714.698034	7146.3929	113.949713	490.032478	383.572119	110.594816	1098.14913	3.28805617	13.9498345	10.7800536	3.04166139	31.0596057
20	1BX7A	EnzymeRegulator	5.20248361	15.7687595	13.3304888	9.8149544	44.8292356	747.466782	2263.48309	1929.96516	1442.74994	6477.98778	119.329801	360.119206	305.032688	225.017832	1025.49046	3.29067713	9.8536851	8.4193945	6.21452896	28.1939464
21	1BY6A	EnzymeRegulator	8.90346494	13.3552792	10.9257258	14.9036923	48.0881622	1337.26764	2009.57478	1591.94503	2101.54121	7040.32867	205.817289	307.141331	248.888803	337.149301	1098.99672	5.89778277	8.72489436	6.9792817	9.33433166	30.9362905
22	1BZ4A	EnzymeRegulator	4.83124199	20.7292732	16.7453982	8.00414505	50.3100584	736.335044	3210.99199	2497.965	1167.93713	7613.22916	111.318171	477.983853	382.702117	182.154458	1154.1586	3.11532729	13.3336072	10.5835991	4.97802066	32.0105543
23	1CCDA	EnzymeRegulator	5.74460665	22.1367226	17.7338875	2.63735308	48.2525699	845.150295	3220.07846	2554.5597	387.451332	7007.23979	131.574633	504.606548	403.110956	60.0076371	1099.29977	3.78620151	14.1985828	11.1681786	1.64386189	30.7968248
24	1CIQA	EnzymeRegulator	0	14.97758	29.2006443	4.86073587	49.0389602	0	2180.54498	4200.11141	660.875848	7041.53224	0	341.702391	664.039278	109.417231	1115.1589	0	9.73816562	18.7172164	3.11750085	31.5728829
25	1CKSA	EnzymeRegulator	15.3566008	30.2121219	2.98846403	3.63491621	52.1921029	2417.96443	4887.28427	488.71056	571.219575	8365.17883	357.158053	705.350048	69.8554998	83.9107196	1216.27432	10.1303063	19.9816727	1.99336009	2.36119445	34.4665335
26	1CLVI	EnzymeRegulator	0	8.1746966	19.8870998	16.0123429	45.4882081	0	1248.3158	3099.58608	2497.07476	7061.75182	0	190.376116	462.687244	373.510597	1059.47681	0	5.34522088	12.9918313	10.6202032	29.8925698
27	1CQ4A	EnzymeRegulator	0	13.5875224	29.3482599	6.10317794	49.0389602	0	1964.68489	4244.89353	831.953825	7041.53224	0	309.534399	668.154736	137.469765	1115.1589	0	8.82665635	18.8221418	3.92408473	31.5728829
28	1CQ4B	EnzymeRegulator	4.64095325	15.6566128	15.0571824	15.7334652	51.0882135	732.048262	2447.07663	2288.50019	2409.71272	7877.3378	107.06763	360.968455	344.99523	361.230966	1174.26228	2.98576103	10.0926992	9.55984267	10.0233067	32.6616095
29	1CY5A	EnzymeRegulator	0	11.4745041	27.8387608	10.0483577	49.3616226	0	1710.90784	4164.78562	1484.64274	7360.3362	0	264.103953	639.204962	229.343422	1132.65234	0	7.53015849	17.9326856	6.26875298	31.7315971
30	1D0DA	EnzymeRegulator	1.66318556	14.3540337	23.1009848	8.95190204	48.070106	279.477168	2368.79815	3749.60443	1392.03462	7789.91437	39.3470559	337.391617	541.044652	207.199553	1124.98288	1.13769178	9.65913513	15.2681867	5.72455467	31.7895683
31	1D5TA	EnzymeRegulator	1.79850662	15.1816036	21.7154952	9.90580223	48.6014076	276.91062	2271.81201	3278.61143	1499.74753	7327.08158	41.6465477	349.069812	499.647109	228.002931	1118.3664	1.19224724	9.93489231	14.1184851	6.38879703	31.6344217
32	1DECA	EnzymeRegulator	2.27684857	26.9181568	8.4034134	8.43302363	46.0314424	340.204222	4004.43551	1262.37453	1322.65493	6929.66918	52.7909855	619.629729	193.348519	194.593737	1060.36297	1.46108578	17.0690082	5.34843782	5.34305729	29.2215891

33	1DGNA	EnzymeRegulator	0.56012455	12.7111214	27.2791606	8.01459805	48.5650046	80.1581248	1871.05119	3976.94755	1153.54443	7081.70129	12.7167438	290.571301	622.418664	182.310012	1108.01672	0.35961533	8.21060716	17.345309	4.97767942	30.8932109
34	1DHKB	EnzymeRegulator	1.92461797	14.3788853	26.0985408	4.92148506	47.3235291	297.439349	2199.80266	4033.89017	751.536832	7282.66901	44.5270009	331.525914	602.482802	113.090098	1091.62581	1.28139871	9.40186093	16.9914673	3.1240614	30.7987883
35	1DOJB	EnzymeRegulator	4.54687	22.3938088	13.6051196	8.9523697	49.4981681	648.894974	3197.86548	2001.19453	1306.48315	7154.43813	103.627304	510.076955	312.376274	204.850374	1130.93091	2.9146759	14.1742379	8.76011316	5.67607186	31.5250988
36	1DP5B	EnzymeRegulator	11.0302775	12.2897687	12.1276731	10.5862138	47.5472089	1589.13016	1783.027	1745.74456	1537.77134	6878.38666	250.514792	279.929015	276.196619	242.256274	1084.19404	6.96153737	7.80253685	7.683757	6.71323848	30.1832326
37	1DPJB	EnzymeRegulator	8.48526443	13.1253285	13.1336153	13.1225295	47.8667378	1222.20037	1905.70566	1895.71689	1921.33052	6944.95343	192.699729	298.737596	298.544655	299.240581	1089.22256	5.3673174	8.31305549	8.32056217	8.31235857	30.3132936
38	1DS5B	EnzymeRegulator	2.89434138	15.9494732	24.1951711	7.44350827	50.4824939	452.957905	2487.3911	3748.16311	1133.57174	7822.08385	67.1516999	369.874761	559.196573	171.061016	1167.28405	1.90692985	10.5550105	15.8842994	4.75199778	33.0982375
39	1DTDB	EnzymeRegulator	1.54340184	13.5878829	23.845074	7.58615162	46.5625104	246.152974	2105.51756	3765.9005	1186.27452	7303.84556	36.2322269	315.956943	554.674621	176.332372	1083.19616	1.04121016	8.92458468	15.6053854	4.98706538	30.5582456
40	1EAIB	EnzymeRegulator	1.95796657	11.3448825	24.9898007	8.47776811	46.7704179	290.808387	1743.59796	3891.93537	1313.47854	7239.82025	44.8617202	261.902681	577.541059	195.572262	1079.87772	1.25960296	7.38902014	16.2320991	5.43900128	30.3197235
41	1EERA	EnzymeRegulator	4.16811491	21.4399779	18.8676933	4.05862737	48.5344135	633.606336	3219.72004	2864.44111	614.883178	7332.65066	95.8736759	491.057253	433.72194	93.053064	1113.70593	2.73676361	13.7989073	12.1255178	2.54859069	31.2097794
42	1EGPA	EnzymeRegulator	2.44787471	24.3548775	16.9150091	4.49568277	49.4007744	373.539167	3813.95408	2713.29175	618.485824	7680.9108	56.3538474	565.258269	395.566046	101.452333	1145.37051	1.59793955	16.1704626	11.4446988	2.85579042	32.8295775
43	1EGPB	EnzymeRegulator	4.63084514	20.1673613	15.1240611	8.60861572	48.5308832	763.537358	3295.65468	2405.65128	1365.78308	7830.62639	108.600931	470.735166	350.583173	199.418022	1129.33729	3.10678559	13.2109821	9.74531393	5.50286649	31.5659481
44	1EJAB	EnzymeRegulator	1.75000163	9.41104041	21.6350278	11.4762577	44.2723276	260.411815	1377.67982	3162.97463	1659.46462	6460.53088	40.388293	216.6266	497.195944	262.455276	1016.66611	1.13355122	6.03647232	13.7598287	7.23106409	28.1609163
45	1ESRA	EnzymeRegulator	7.16087425	27.7561438	10.5999026	3.52746725	49.6295365	1085.39287	4228.34492	1595.41832	494.772304	7486.83555	164.845142	638.516356	243.321488	79.8979749	1139.87541	4.67492662	17.8009756	6.83060429	2.23173016	31.9085745
46	1EZYA	EnzymeRegulator	2.81496487	19.9479466	20.8955003	6.60858451	50.2669963	447.999171	3043.0322	3163.58181	991.421191	7646.03437	65.6621755	460.255267	480.636687	151.626125	1158.18025	1.89636553	13.1084207	13.5209996	4.27138996	32.7971758
47	1F32A	EnzymeRegulator	3.83617444	17.4421475	20.3348923	5.97911157	47.5923258	598.262043	2677.756	3050.28813	901.42261	7227.72879	89.2780593	404.587043	467.541425	137.460378	1098.8669	2.59378292	11.6314576	13.0913729	3.85150862	31.1681221
48	1F95A	EnzymeRegulator	1.75242472	16.5865976	28.3803669	2.67202353	49.3914128	274.996962	2543.58817	4395.06275	409.401103	7623.04899	40.7499879	383.559828	656.803279	61.8315703	1142.94467	1.19753643	10.9235275	18.638823	1.71586305	32.4757499
49	1FI8B	EnzymeRegulator	1.74747809	9.61164336	20.5052035	16.2236832	48.0880082	260.609822	1457.30302	3084.08734	2407.33511	7209.33528	40.1359623	221.646541	470.919186	371.645166	1104.34685	1.14697691	6.33769424	13.277582	10.4110777	31.1733308
50	1FI8C	EnzymeRegulator	3.3129375	18.5547563	19.9740679	7.26290381	49.1046655	500.055701	2772.24009	2982.47055	1027.35626	7282.12261	76.439792	425.755965	458.329364	164.724419	1125.24954	2.22552601	12.0338115	12.9377489	4.52017566	31.7172621
51	1FSTA	EnzymeRegulator	1.48372897	18.4258841	19.4911964	9.58749293	49.3180505	223.475331	2873.58007	2954.07865	1457.25082	7557.44936	34.0963412	426.894231	448.728685	220.405098	1137.65289	0.97939284	12.2234711	12.6597663	6.14563884	32.2134763
52	1FUXA	EnzymeRegulator	3.34157969	20.7091688	20.5062313	2.06068505	46.6176649	566.861687	3278.38479	3123.26446	296.189854	7264.70079	78.9340295	480.690357	471.920596	46.8310272	1078.37601	2.29834858	13.653154	13.2784223	1.31866275	30.5485876
53	1G4MA	EnzymeRegulator	6.53300428	20.6032967	15.9554578	5.82655043	48.9183091	987.467343	3142.47501	2383.96042	869.46695	7383.36972	150.201476	474.44271	365.317241	133.322568	1123.284	4.23559044	13.3924376	10.2473665	3.71748389	31.5928785
54	1GNAA	EnzymeRegulator	0	9.28849526	15.4430834	15.592414	40.3239926	0	1294.38594	2210.15272	2122.10702	5626.64568	0	214.69852	356.267194	356.83409	927.799804	0	5.95277381	9.91889225	9.80530827	25.6769743
55	1GPQA	EnzymeRegulator	3.36049875	17.1620984	22.7267168	3.69967648	46.9489904	507.307281	2601.28557	3425.462	529.346807	7063.40167	77.6128932	395.874951	522.409941	83.9636447	1079.86143	2.23211986	11.2767144	14.6607403	2.29918365	30.4687582
56	1GS9A	EnzymeRegulator	5.25543751	20.8819078	16.4067872	7.9951474	50.5392799	805.424148	3243.64876	2448.74604	1165.65654	7663.47549	121.130582	481.48362	375.002296	181.983136	1159.59963	3.39006319	13.4175026	10.3732541	4.98251853	32.1633384
57	1GW3A	EnzymeRegulator	0	22.8040504	17.5423878	8.64483545	48.9912736	0	3547.58475	2669.02855	1239.4209	7456.0342	0	524.42451	401.187673	196.006758	1121.61894	0	14.3756633	10.854113	5.29617718	30.5259535
58	1H20A	EnzymeRegulator	3.34548264	17.6024757	17.5444532	5.87721865	45.5939633	533.254027	2832.62594	2824.99656	963.020008	7352.73765	78.4561352	412.211786	409.597255	137.421938	1066.22245	2.21151722	11.6204678	11.412664	3.81577588	29.8396222
60	1H9HI	EnzymeRegulator	1.43031154	8.23120912	19.9688072	11.8108754	42.6968356	212.385361	1191.91129	2900.97269	1761.81494	6247.44828	33.1467216	190.004389	458.156393	271.839024	981.819791	0.92977288	5.29364256	12.6365681	7.58819607	27.2330246
61	1HA9A	EnzymeRegulator	0	8.74930383	19.6019435	15.0372717	43.388519	0	1263.68681	2891.23804	2193.43612	6348.36096	0	200.837504	449.691104	343.350859	993.879467	0	5.51814229	12.3266435	9.40287122	27.2476571
62	1HIAI	EnzymeRegulator	5.63660713	14.00686	12.1470498	13.4550924	45.2456093	822.994204	2047.50097	1743.49168	1981.96274	6595.94959	129.304521	320.758886	278.11609	308.538736	1036.71823	3.57135071	8.80220592	7.72569124	8.49940138	28.5986492
63	1HICA	EnzymeRegulator	0.83921393	19.0752057	16.1647992	7.95197637	44.0311953	116.00607	2672.99801	2290.40994	1164.15454	6243.56856	19.1417268	433.719664	367.212668	181.525168	1001.59923	0.52197466	11.8751392	10.036294	4.98351584	27.4169237
64	1HLEB	EnzymeRegulator	5.18515385	13.5442341	23.1832044	6.01998082	49.4655395	879.585485	2264.05602	3783.88323	944.684708	8101.57676	122.92831	319.180683	541.843692	139.19033	1158.34063	3.65571048	9.35680354	15.3567882	3.82143792	33.1486814

65	1HSSA	EnzymeRegulator	0.84706595	16.0570111	22.3747911	7.74761271	47.0264808	124.959916	2386.93695	3429.09636	1162.11556	7103.10878	19.408362	368.613023	516.699323	177.754865	1082.47557	0.54953683	10.3275311	14.5254377	4.91549887	30.3180045
68	1HXRA	EnzymeRegulator	2.33105106	12.9964479	27.3427729	6.22883453	48.8991064	382.524811	2071.83974	4198.33213	941.586617	7594.2833	54.6330787	302.612811	630.337131	142.79472	1130.37774	1.58769929	8.69460046	17.6983359	3.98226564	31.9629013
69	1HYMA	EnzymeRegulator	0	25.7759909	14.3599826	4.96480316	45.9752762	0	3892.95757	2066.16405	683.694263	6762.85543	0	590.831657	326.268392	111.952016	1048.86708	0	16.6026072	9.06653441	3.09287653	29.2927984
70	1HYMB	EnzymeRegulator	6.51540737	12.8309663	14.9747818	17.1026498	51.4238052	1051.33167	2053.56886	2419.09881	2724.17549	8248.17483	151.208949	297.704407	347.646939	395.632764	1192.19306	4.25565711	8.41916492	9.71057456	10.9180183	33.3034149
71	1I3OA	EnzymeRegulator	4.57412065	29.2912569	12.332191	2.5073133	48.7048819	675.027447	4440.08808	1874.64224	341.602865	7331.36063	104.936062	672.484701	283.70368	56.6330729	1117.75752	3.0288688	18.7629926	7.84498496	1.56111251	31.1979588
72	1IMVA	EnzymeRegulator	4.08622138	21.5296682	21.826613	1.45964941	48.902152	624.400696	3253.01039	3256.81597	222.983281	7357.21033	94.1544799	494.852512	500.309888	33.5928983	1122.90978	2.6937961	14.0118445	14.1334042	0.94898846	31.7880333
73	1IOJA	EnzymeRegulator	2.67513221	20.3072478	15.6000003	11.5848314	50.1672117	389.833196	3071.17614	2330.17964	1666.70928	7457.89826	60.8270736	466.17621	357.583778	263.179689	1147.76675	1.69359482	13.0321813	10.1119667	7.41833911	32.2560819
74	1ITUA	EnzymeRegulator	3.20031084	19.7503453	22.398976	2.49487919	47.8445114	503.260163	3014.68864	3386.46429	399.961497	7304.37459	74.315031	454.67449	513.971353	58.0818103	1101.04268	2.12120572	12.7824579	14.2908365	1.62135965	30.8158597
75	1IVYA	EnzymeRegulator	1.98529756	12.8387022	25.3386136	8.37089469	48.533508	305.076175	1983.54887	3958.88601	1282.58167	7530.09273	45.942065	297.421154	587.315056	193.021997	1123.70027	1.31220122	8.48798982	16.711011	5.40319246	31.9143945
76	1IW4A	EnzymeRegulator	0.85996944	14.2831112	19.9805952	10.992761	46.1164368	128.350955	2182.36534	3030.0476	1635.3492	6976.1131	19.9094972	330.915184	461.845304	252.589634	1065.25962	0.55525443	9.25046991	12.9142201	7.04089099	29.7608354
78	1JDMA	EnzymeRegulator	9.94948718	15.2842888	17.315358	9.507566	52.0567	1479.51607	2374.36917	2752.92758	1437.35071	8044.16354	228.508281	354.736022	403.399465	219.036769	1205.68054	6.66987328	10.3799926	11.634383	6.1303154	34.8145643
79	1JG5A	EnzymeRegulator	1.78190211	14.2042528	24.9989535	8.34792288	49.3330312	270.20657	2154.96272	3798.52564	1303.33483	7527.02975	41.2593137	327.869534	576.03267	192.911485	1138.073	1.19321353	9.33443609	16.1769752	5.38194029	32.0865651
80	1JLTA	EnzymeRegulator	1.09076946	14.4297012	21.2631611	9.90928303	46.6929149	166.264894	2211.21831	3264.19001	1504.50947	7146.18269	25.2721873	334.239407	491.818731	228.448556	1079.77888	0.70051487	9.40582123	13.8043825	6.32245031	30.2331689
81	1JMOL	EnzymeRegulator	2.00490857	12.2363917	22.1533686	12.3858848	48.7805537	298.991505	1833.06772	3337.87186	1933.66544	7403.59653	45.8161725	281.125327	509.233303	286.951097	1123.1259	1.27886701	7.86586716	14.329577	8.12527434	31.5995855
82	1JRRP	EnzymeRegulator	7.35086016	8.04478126	11.5785062	12.0175098	38.9916574	956.154707	1070.95148	1556.96631	1653.89948	5237.97198	163.78922	180.852179	260.554855	270.536709	875.732963	4.34214755	4.90408754	7.01250745	7.19400053	23.4527431
83	1JYHA	EnzymeRegulator	1.90856144	13.3846961	24.9900336	8.64104777	48.9243389	299.065	2083.31656	3880.05235	1314.02476	7576.45867	44.4540759	310.688071	579.29999	199.411999	1133.85414	1.28966151	8.90475915	16.5268306	5.65276568	32.374017
85	1K22L	EnzymeRegulator	0	19.3570296	22.8027009	8.1560489	50.3157793	0	2896.31194	3355.85299	1165.6181	7417.78302	0	443.370869	521.393556	185.937915	1150.70234	0	12.416325	14.6147324	5.1642311	32.1952886
86	1K5DB	EnzymeRegulator	9.76831721	30.1227238	6.39706402	4.22362471	50.5117297	1514.6933	4692.83114	947.710199	643.436811	7798.67144	225.525402	696.598078	146.056386	97.3803617	1165.56023	6.33952075	19.6401274	4.01711966	2.74017417	32.736942
87	1KBSA	EnzymeRegulator	3.41538054	15.0110978	22.0933023	8.53898305	49.0587637	528.748809	2279.59003	3311.67138	1229.33288	7349.3431	79.3588518	347.353463	508.330924	195.014666	1130.0579	2.26211993	9.88796908	14.3000831	5.50677879	31.9569509
88	1KMTA	EnzymeRegulator	1.86279262	20.6663607	21.0326471	5.92437553	49.4861759	279.547241	3218.11625	3183.10662	889.975318	7570.74543	42.752515	478.686156	483.831446	135.97751	1141.24763	1.22699759	13.698538	13.6341138	3.78230586	32.3419552
89	1LDTT	EnzymeRegulator	1.52056341	9.67187985	20.0277016	14.7617289	45.9818738	223.911511	1459.7294	3013.56625	2186.4416	6883.64876	34.7948822	222.770991	460.454752	337.63979	1055.66042	0.98357225	6.32727365	12.9884249	9.4020598	29.7013306
90	1LU0A	EnzymeRegulator	1.51074778	9.03005147	25.4933285	9.91973776	45.9538655	217.60048	1298.73681	3670.55537	1491.7088	6678.60146	34.8807021	207.875195	583.048371	228.197952	1054.00222	0.97963131	5.7998403	16.2256319	6.3225065	29.32761
91	1LUZA	EnzymeRegulator	3.61983802	22.9497622	20.291722	4.11788034	50.9792025	554.349486	3538.80979	3165.58026	654.255996	7912.99553	83.6601375	530.204894	469.678341	96.4652922	1180.00866	2.42298737	15.1558474	13.2196906	2.74415661	33.542682
92	1LV3A	EnzymeRegulator	8.90985786	20.6649073	13.5262367	4.84397058	47.9449724	1350.56961	3212.28235	2090.78016	690.307588	7343.93971	205.277119	478.310436	312.080692	110.111935	1105.78018	5.76123043	13.4723835	8.82389993	3.05382145	31.1113353
93	1M48A	EnzymeRegulator	1.70989355	23.0293182	20.5415926	4.84476411	50.1255684	263.991676	3420.91001	3039.87734	703.921387	7428.70041	39.5765864	528.200988	470.957107	110.232963	1148.96764	1.14467277	15.0287096	13.3239979	3.06653574	32.5639161
94	1MZGA	EnzymeRegulator	4.53083706	32.5984942	10.3962793	2.05591314	49.5815237	677.269969	4969.86343	1612.67709	389.151081	7648.96157	103.985496	749.587662	239.634119	49.4819165	1142.68919	2.99263137	21.081333	6.65354293	1.32486628	32.0523735
95	1N9UA	EnzymeRegulator	5.36539658	10.7271888	21.0562009	15.7901117	52.938898	875.091173	1841.14749	3629.78593	2577.63756	8923.66216	125.349159	253.890767	498.878753	368.998477	1247.11716	3.58039417	7.24637697	14.2696314	10.4638509	35.5602535
96	1NFNA	EnzymeRegulator	3.86547622	20.9775677	17.2245667	8.62373107	50.6913417	599.15906	3245.3446	2579.36808	1262.68462	7686.55635	89.571441	483.491865	393.998812	196.766465	1163.82858	2.53450692	13.4728854	10.9048222	5.44198421	32.3541987
97	1NYCA	EnzymeRegulator	1.40874239	25.7127962	19.9157277	2.90721843	49.9444847	218.175836	4015.35323	3034.23509	423.560558	7691.32471	32.6309684	595.667325	457.850141	66.5350642	1152.6835	0.94520467	16.9687254	12.738004	1.86224789	32.514182
98	1O7FA	EnzymeRegulator	2.2986172	18.5536647	23.1144061	5.27559393	49.2422819	352.679459	2802.38721	3539.85493	800.103427	7495.02503	53.0128366	426.642053	532.380276	120.971668	1133.00683	1.50918527	12.0798282	14.9420257	3.3222803	31.8533194
99	1O7ZA	EnzymeRegulator	4.06736987	14.7488698	24.0199427	5.50895318	48.3451355	574.270117	2089.69939	3437.40175	831.130952	6932.50221	92.3429657	334.725025	546.042973	127.127011	1100.23797	2.60306377	9.40005259	15.1987584	3.56787835	30.7697531

100	1O8RA	EnzymeRegulator	1.58795654	10.938298	21.475069	13.3167446	47.3180681	231.188922	1610.34946	3141.12627	1933.58117	6916.24582	36.1901018	249.950746	490.9579	304.276765	1081.37551	1.02427854	7.01952568	13.7066376	8.46660344	30.2170452
102	1ODPA	EnzymeRegulator	7.53197774	15.7662153	12.7459015	14.7896685	50.833763	1141.27995	2414.51157	1895.61599	2205.05677	7656.46428	172.022109	360.909423	290.569059	337.749905	1161.2505	4.70917767	9.84650931	8.01324781	9.25413832	31.8230731
103	1OEFA	EnzymeRegulator	8.46912921	16.6718934	16.6525773	8.17793315	49.971533	1363.68281	2612.2203	2577.48493	1304.93741	7858.32545	197.794707	386.130009	385.400253	190.792337	1160.11731	5.58846043	10.8608289	11.0084608	5.47941764	32.9371678
104	1OEGA	EnzymeRegulator	10.6618105	15.1201632	6.10185196	15.9963289	47.8801546	1687.941	2324.45249	893.783074	2296.00628	7202.18284	247.412038	348.780166	139.194304	364.151248	1099.53776	7.00845917	9.75555941	3.85067908	10.1545128	30.7692105
105	1OK0A	EnzymeRegulator	1.31916498	13.9865739	18.8308826	12.1061621	46.2427835	198.111313	2118.14124	2869.93925	1820.78512	7006.97692	30.2865086	321.764851	433.869104	278.092393	1064.01286	0.86198299	9.0465525	12.1179846	7.70807029	29.7345904
106	1OPPA	EnzymeRegulator	7.82424253	16.0253297	11.6702105	12.7908284	48.310611	1140.65939	2368.91892	1686.48583	1741.07103	6937.13517	177.970706	365.558484	265.139113	288.207023	1096.87533	4.93263078	10.1941497	7.40075647	7.91760202	30.445139
107	1P35A	EnzymeRegulator	4.64812917	28.5942186	14.4985726	1.79558285	49.5365032	705.989133	4316.42817	2212.96495	284.194502	7519.57675	107.11434	658.38082	334.139568	41.6631297	1141.29786	3.05373285	18.6788677	9.45083909	1.1805903	32.3640299
109	1PJUA	EnzymeRegulator	2.52750999	16.3209237	20.226592	7.08977847	46.1648042	389.226405	2528.62747	3079.06065	1070.52771	7067.44224	58.4740672	378.213214	468.383622	163.676354	1068.74726	1.66061937	10.6400716	13.284473	4.57226556	30.1574295
110	1PLPA	EnzymeRegulator	4.06907981	14.028914	17.1845214	13.9928849	49.2754002	631.960489	2157.26237	2532.14467	2037.1068	7358.47432	93.2913892	321.234388	393.648058	320.360284	1128.53412	2.51671615	8.71569311	10.7770927	8.91814158	30.9276436
111	1PUCA	EnzymeRegulator	6.21862105	32.9453575	9.39995093	2.16553216	50.7294616	990.486535	5136.32671	1424.50322	327.291214	7878.60768	145.109631	762.966732	216.015941	49.4442109	1173.53652	4.14563556	21.5658115	6.06666413	1.33989503	33.1180063
112	1Q67A	EnzymeRegulator	1.6707117	16.858528	25.0222114	7.16544851	50.7168996	253.130105	2575.89501	3877.279	1092.62123	7798.92534	38.6251468	389.203291	578.07895	164.788492	1170.69588	1.12025872	11.1881406	16.3925141	4.60560504	33.3065185
113	1QB3A	EnzymeRegulator	9.37436792	30.4879619	7.05986994	3.03875626	49.960956	1493.51969	4781.97803	1101.46933	442.690525	7819.65757	218.371941	706.549886	163.19817	68.926339	1157.04634	6.21272273	19.9531526	4.55141572	1.85697207	32.5742631
114	1QF8A	EnzymeRegulator	2.32865978	19.0696719	20.0161179	7.34346495	48.7579146	380.654253	2998.66323	3131.03945	1125.07888	7635.43582	54.722283	442.6906	464.087784	169.352863	1130.85353	1.58665479	12.6391558	13.1515338	4.7021946	32.0795391
115	1QLSD	EnzymeRegulator	4.50835775	17.3427974	17.4214435	8.72346143	47.9960601	721.708252	2647.2177	2706.05069	1393.65374	7468.63039	105.647573	400.670311	404.874223	204.040367	1115.23247	3.09427344	11.5214831	11.6780991	5.88632396	32.1801796
116	1QMBB	EnzymeRegulator	3.67405415	26.9040285	12.7773065	5.72610147	49.0814906	593.461415	4099.94474	1852.97151	826.076154	7372.45381	86.1842291	622.885832	290.646425	130.070282	1129.78677	2.54126272	18.0432722	8.03068121	3.62882817	32.2440443
117	1QQEA	EnzymeRegulator	8.12123699	18.7282586	17.9750167	3.52479478	48.3493071	1244.40449	2878.1281	2669.39248	526.588494	7318.51357	187.699373	432.447487	411.329516	81.0887381	1112.56511	5.35517283	12.2814426	11.483515	2.3032408	31.4233712
118	1QUBA	EnzymeRegulator	4.59354828	17.1125177	18.8708557	6.85721321	47.4341349	709.840274	2625.91831	2870.80048	1047.32145	7253.88051	106.338887	395.922439	435.529197	158.446437	1096.23696	3.01804837	11.2588914	12.301722	4.51814148	31.0968032
119	1R0RI	EnzymeRegulator	0.94996773	9.12206769	10.5974584	25.1278314	45.7973252	152.952555	1399.16026	1562.13941	3752.19041	6866.44263	22.2853515	211.177487	243.229021	577.766459	1054.45832	0.64288826	5.952888	6.83047362	16.1703794	29.5966293
120	1RODA	EnzymeRegulator	6.89760593	26.6767037	12.6349965	3.28244351	49.4917496	982.621105	3901.21485	1883.23312	459.611534	7226.68061	156.779496	609.250758	289.415579	74.1468835	1129.59272	4.43684246	17.1353421	8.12824373	2.022094	31.7225223
121	1RWZA	EnzymeRegulator	3.08329177	17.2360819	23.2662888	5.05826842	48.6439309	460.954746	2556.34661	3460.24116	723.026288	7200.56881	70.7599122	394.715172	533.198271	115.043557	1113.71691	2.02107285	11.1508554	15.0756551	3.2151858	31.4627692
122	1RYPH	EnzymeRegulator	3.00359009	12.9813798	24.8944112	6.55958154	47.4389627	445.318929	1934.18958	3762.54015	983.244929	7125.29358	68.9344148	297.514918	572.563766	150.694331	1089.70743	1.95686474	8.40694915	16.1346743	4.24341607	30.7419043
123	1RYPI	EnzymeRegulator	10.3377298	28.4192695	3.58904848	4.59211858	46.9381664	1539.67031	4258.65724	545.639504	679.299499	7023.26655	236.753361	651.837425	82.4159142	105.137547	1076.14425	6.64595888	18.3288003	2.28956242	2.96816984	30.2324915
124	1SBWI	EnzymeRegulator	3.12561384	16.095895	12.8798119	12.8077696	44.9090903	464.815844	2398.85475	1938.96545	1913.98388	6716.61992	72.2368493	370.232598	296.822348	294.685224	1033.97702	1.94977898	10.0368563	8.04548906	8.01385217	28.0459765
126	1SKZA	EnzymeRegulator	3.26438291	9.68445283	19.7240599	13.7156295	46.3885252	493.507163	1462.72787	2901.21684	2035.42745	6892.87933	74.9162391	222.562945	453.200674	315.354264	1066.03412	2.07581864	6.08763245	12.4471262	8.63028267	29.2408599
127	1SLUA	EnzymeRegulator	8.80571634	22.7207095	14.0802424	3.50566718	49.1123354	1331.99313	3443.28795	2096.64936	517.907343	7389.83778	202.856336	522.852998	323.247245	80.291017	1129.2476	5.81106136	14.8192012	9.06527805	2.19198518	31.8875258
128	1SMFI	EnzymeRegulator	0	4.9511106	20.0249832	19.7212734	44.6973673	0	697.710231	2764.26198	2732.95562	6194.92783	0	112.684665	453.424277	448.784827	1014.89377	0	3.15518121	12.5493158	12.508772	28.213269
129	1SMPI	EnzymeRegulator	2.53335366	27.400087	17.5600097	0.91645083	48.4099012	417.035172	4270.70071	2653.98025	132.732806	7474.44893	59.3302832	632.433883	402.446364	20.7399103	1114.95044	1.71593511	17.8294688	11.1895381	0.56265461	31.2975966
130	1SOHA	EnzymeRegulator	0	22.2556124	20.5878151	5.85887204	48.7022996	0	3386.2171	3048.28967	856.462744	7290.96951	0	513.377206	471.033539	133.76547	1118.17621	0	14.6179095	13.2792614	3.79270102	31.689872
131	1SPVA	EnzymeRegulator	1.32352088	10.685659	24.1217118	10.0806727	46.4837022	203.209598	1603.50416	3635.67789	1533.47077	7017.66079	30.5539936	245.185236	553.649924	231.27842	1066.9287	0.87382199	6.92163214	15.5247612	6.39277322	29.8832989
133	1TBRK	EnzymeRegulator	2.60038864	13.6521716	27.095679	6.25879875	49.607038	401.185651	2160.79863	4233.77926	958.174755	7753.9383	60.1454523	317.552999	626.406055	143.842412	1147.94692	1.7185525	9.08122056	17.6526761	3.99763114	32.4500803
134	1TGSZ	EnzymeRegulator	1.69976116	9.82748673	21.461528	12.7676769	45.9480333	252.945567	1482.90168	3215.38235	1876.34481	6854.35227	38.9922468	226.456508	492.953331	291.552319	1054.26972	1.10251073	6.45379222	13.9018941	8.12934539	29.7050246

135	1TMTJ	EnzymeRegulator	5.07465387	15.0683741	25.5874882	4.90657516	50.6370913	737.5794	2220.76734	3834.61185	734.393702	7527.35229	116.213697	346.241862	590.668715	113.128463	1166.25274	3.30834393	9.82203119	16.8669187	3.17770374	33.1749976
136	1TOCC	EnzymeRegulator	0	23.9275951	19.8385213	6.77280081	50.5389172	0	3615.28947	2990.79698	996.677136	7602.76359	0	549.902658	456.184286	155.431887	1161.51883	0	15.4867009	12.8900257	4.39369028	32.7704168
137	1U5KA	EnzymeRegulator	3.37731628	18.7693159	15.9764367	9.36260051	47.4856694	534.553381	2928.28724	2437.40268	1398.96019	7299.20349	78.7270209	434.19417	366.845393	214.441223	1094.20781	2.27028025	12.3690851	10.2431325	5.93369339	30.8161912
138	1UCPA	EnzymeRegulator	0.51225759	10.1640437	27.4994285	10.5507628	48.7264926	73.0740492	1484.86872	4050.70682	1583.09164	7191.74123	11.6279677	231.987343	628.601167	241.711984	1113.92846	0.32414689	6.56415214	17.6665526	6.69028724	31.2451389
139	1UNQA	EnzymeRegulator	0.87381735	23.7388431	19.4375115	5.93900902	50.4183342	137.629397	3712.98729	3019.38739	882.140634	7811.95927	20.3368259	549.761957	448.342175	135.744801	1163.87587	0.59767022	15.606933	12.4670487	3.71541237	32.6507539
140	1UPKA	EnzymeRegulator	4.26997475	19.3659683	17.0555382	9.39142842	50.0829097	670.332876	2983.68146	2531.17598	1361.2865	7546.47682	99.0376447	447.205268	390.338329	213.613215	1150.19446	2.84510409	12.7043608	10.9903477	5.97009864	32.5099112
141	1UPTA	EnzymeRegulator	1.81243008	9.58506897	24.408198	13.3673024	49.1729994	276.654281	1461.0425	3707.14872	2014.44472	7459.29022	41.8455249	220.826798	561.153419	306.4266	1130.25234	1.22337164	6.33600149	15.803782	8.5084877	31.8716428
142	1UTGA	EnzymeRegulator	4.25398225	15.3316095	23.7633148	5.2668648	48.6157713	637.716082	2267.39517	3422.44284	726.536817	7054.09091	97.5908096	351.534869	541.861498	119.795351	1110.78253	2.7680024	9.89010522	15.1496844	3.34345101	31.151243
143	1UTRA	EnzymeRegulator	4.33810399	25.0960508	16.9360949	1.99965229	48.369902	630.833818	3663.70456	2471.21118	274.209749	7039.9593	99.0390811	572.015493	386.368955	45.3590744	1102.7826	2.84206483	16.0549371	10.8562824	1.27835544	31.0316398
144	1V5IB	EnzymeRegulator	5.72082594	35.365274	4.95270931	1.87184378	47.910653	867.973738	5173.19916	740.076805	323.735039	7104.98474	132.087353	807.762646	113.919936	44.4101381	1098.18007	3.82924725	22.7668757	3.17699079	1.24862409	31.0217378
145	1VBWA	EnzymeRegulator	3.6698612	19.3343627	21.30731	3.55717349	47.8687074	578.387256	3001.43593	3228.58521	541.163456	7349.57185	84.6860152	445.289412	488.141959	81.5410821	1099.65847	2.37286582	12.4915843	13.4936618	2.19988032	30.5579923
146	1VETA	EnzymeRegulator	3.60368494	18.584515	22.10489	3.81972752	48.1128174	542.249379	2776.43211	3296.6604	551.583981	7166.92588	82.8559952	426.00737	506.597617	86.8188444	1102.27983	2.38364542	12.108491	14.334739	2.42533514	31.2522106
147	1VG0A	EnzymeRegulator	2.89114996	20.3976166	19.3849509	5.94887144	48.6225889	437.310227	3099.89872	2944.93902	889.999261	7372.14723	66.501936	470.086607	446.627533	136.554017	1119.77009	1.8848567	13.3185306	12.6002632	3.81344107	31.6170916
151	1W7GI	EnzymeRegulator	12.5452755	0	18.7668711	12.7553009	50.1942596	1850.17271	0	2845.38092	1964.41713	7578.79382	288.276618	0	434.347023	296.743931	1160.70134	8.1749634	0	12.3760413	8.49584494	33.0183161
152	1WAYI	EnzymeRegulator	4.9950029	14.6875141	24.8007016	4.89295785	49.3761764	711.100402	2096.19027	3581.27658	730.402107	7118.96937	113.826902	334.859518	567.140066	112.73694	1128.56343	3.20961933	9.35691572	15.914198	3.16165759	31.6423907
153	1WPXB	EnzymeRegulator	2.21061461	13.4641741	26.0772299	6.40335945	48.1553781	342.316664	2110.76782	4040.50862	972.224236	7465.81734	51.3561495	312.905461	603.104151	147.357418	1114.72318	1.4961361	8.99886555	17.1014885	4.12275104	31.7192412
154	1X91A	EnzymeRegulator	3.400595	18.3059616	16.7621759	8.3047285	46.773461	477.281085	2619.85925	2443.33764	1208.8017	6749.27967	76.9493358	416.531891	382.952212	188.983097	1065.41654	2.13671152	11.6060664	10.738919	5.22382065	29.7055176
155	1XFLA	EnzymeRegulator	3.50306047	20.7385834	22.6105714	1.10469	47.9569053	530.509292	3120.77864	3382.07767	145.94992	7179.31553	80.9954777	477.529936	518.41641	24.9044952	1101.84632	2.36085377	13.7165652	14.5405705	0.67155961	31.2895491
156	1XKIA	EnzymeRegulator	0.82169534	19.5193628	23.6967113	3.85545721	47.8932266	130.220357	2969.7338	3475.9344	553.30534	7129.19389	19.167154	450.006673	540.838071	87.6271817	1097.63908	0.56238502	12.820131	15.0861258	2.37830372	30.8469456
157	1XWEA	EnzymeRegulator	3.47338949	23.518244	18.1659288	3.61213073	48.769693	545.764334	3530.8124	2722.08902	553.061976	7351.72774	80.9199607	540.759648	417.723754	83.5330327	1122.9364	2.35411132	15.3604473	11.8218556	2.31951376	31.855928
158	1Y1BA	EnzymeRegulator	0.9617915	9.31211595	17.5034027	17.089039	44.8663492	139.486198	1362.64475	2525.4531	2488.5891	6516.17315	22.0647235	213.946915	399.993451	391.553553	1027.55864	0.62913388	6.02126378	11.1403226	10.8911195	28.6818398
159	1Y8QA	EnzymeRegulator	2.82253697	18.5885031	22.0995404	4.8147216	48.3253021	428.130969	2817.99909	3338.85835	692.085953	7277.07436	65.199229	428.37696	507.065924	109.477995	1110.12011	1.88459245	12.1885148	14.1540233	3.03184267	31.2589732
160	1Y8QB	EnzymeRegulator	0.94035976	14.0739047	24.8137892	8.67586426	48.5039179	144.237484	2118.26007	3711.63968	1333.57266	7307.7099	21.5743149	323.53561	568.829426	199.932509	1113.87186	0.58441528	9.116266	16.0025761	5.6498683	31.3531257
161	1YU6B	EnzymeRegulator	2.00252859	11.1893727	26.5338894	4.58550533	44.3112961	286.632631	1618.65146	3938.97325	666.84435	6511.1017	45.5448815	255.033254	607.517055	104.41656	1012.51175	1.26935306	7.17389458	17.0476417	2.87625638	28.3671458
162	1Z6TA	EnzymeRegulator	2.69954565	18.3659492	23.6569472	4.70955781	49.4319998	423.254666	2772.05547	3587.57328	696.199738	7479.08315	62.576802	422.589037	544.219671	107.812096	1137.19761	1.78286124	11.9649124	15.330691	3.01244121	32.0909058
163	1ZLHB	EnzymeRegulator	2.32490121	13.1767751	18.7724952	10.3265788	44.6007503	328.596458	1879.33059	2721.64129	1514.31611	6443.88444	52.7439402	300.406607	429.808928	236.324569	1019.28404	1.45656549	8.31648291	11.8780874	6.48299898	28.1341348
164	2A01A	EnzymeRegulator	5.7072819	19.2211773	20.4219227	4.34474945	49.6951314	879.448398	2940.86107	3065.36867	639.104394	7524.78253	131.518496	442.138361	467.972116	99.0769622	1140.70594	3.67938522	12.3848269	13.0623907	2.73656274	31.8631656
165	2A2RA	EnzymeRegulator	2.57844063	11.4777405	25.7803856	8.80345711	48.6400239	386.956642	1730.04344	3923.64444	1341.52483	7382.16936	59.2231247	263.650942	594.220679	203.033477	1120.12822	1.67262201	7.43880646	16.9603631	5.75543253	31.8272241
166	2A5YB	EnzymeRegulator	4.84650231	16.5114152	18.6636004	9.27439591	49.2959138	742.756794	2474.77751	2804.22531	1417.7701	7439.52971	111.684062	379.260288	428.817453	213.808479	1133.57028	3.17507836	10.6940245	12.0957006	6.03536736	32.0001708
167	2AB9A	EnzymeRegulator	0	10.2815355	13.6473211	22.6243901	46.5532467	0	1563.01066	2046.7306	3264.52168	6874.26293	0	236.774153	314.108021	514.650425	1065.5326	0	6.57482842	8.84947038	14.3920131	29.8163119
168	2AG4A	EnzymeRegulator	0	11.3727706	26.9952472	8.87736292	47.2453807	0	1665.50513	3995.00754	1318.38616	6978.89883	0	259.91251	618.696345	203.718418	1082.32727	0	7.36855148	17.5254326	5.76186214	30.6558462

169	2ARQP	EnzymeRegulator	7.25044647	7.9656363	11.4154381	12.0923324	38.7238532	950.844199	1064.39095	1535.98609	1661.81937	5213.04061	161.910565	179.260488	256.887391	272.168792	870.227236	4.23420723	4.83491346	6.90079879	7.2355422	23.2054617
170	2ARRP	EnzymeRegulator	7.65729349	8.20139864	11.6353041	12.0407961	39.5347923	1005.28489	1095.43183	1565.92666	1657.55435	5324.19772	173.605288	185.849623	262.364121	271.281202	893.100235	4.72990211	5.09809079	7.08309081	7.22355746	24.1346412
171	2ASTC	EnzymeRegulator	3.12145252	20.4824166	23.6349954	4.47613479	51.7149993	521.645529	3322.30214	3727.4577	699.408166	8270.81353	73.5261953	479.060753	548.50922	103.698122	1204.79429	2.11887862	13.6167933	15.5191903	2.92198021	34.1768424
174	2B39A	EnzymeRegulator	3.55121248	22.065654	16.7130541	6.36562517	48.6955458	541.282349	3319.85781	2519.30916	961.948927	7342.39825	81.8735501	506.955848	383.501927	146.32334	1118.65467	2.32493302	14.3123508	10.7542939	4.09318499	31.4847627
175	2BM5A	EnzymeRegulator	7.55565697	28.6526024	9.81643458	1.28804024	47.3127342	1130.08947	4425.25171	1549.26969	184.243541	7288.85441	172.973609	659.699842	227.495815	29.37899	1089.54826	4.83418944	18.3212738	6.36730096	0.83083732	30.3536015
176	2BO9B	EnzymeRegulator	2.74846727	14.821239	24.5136366	7.17251026	49.2558531	448.980207	2323.16389	3735.20042	1085.3589	7592.70342	64.5153811	343.647019	564.794373	165.048502	1138.00528	1.86346596	9.79280218	15.9023655	4.59750434	32.156138
177	2BPTA	EnzymeRegulator	0.39079152	8.11745922	26.3197172	12.7086986	47.5366665	56.2156358	1202.44736	3910.45528	1889.21231	7058.33059	8.90553208	186.070619	603.433311	291.170143	1089.5796	0.25134141	5.23199565	17.0144039	8.17186014	30.6696011
178	2C4BA	EnzymeRegulator	5.67101606	20.6132209	17.6005784	3.76442294	47.6492383	893.425079	3216.22613	2668.36414	576.533028	7354.54839	131.675701	477.397869	405.006788	87.0263865	1101.10675	3.77728006	13.5777359	11.3298537	2.4130566	31.0979263
179	2CA6A	EnzymeRegulator	2.75130264	17.9196121	20.5412559	7.37158778	48.5837585	412.771429	2726.11377	3027.56685	1087.94742	7254.39946	63.1071679	411.743561	469.134355	168.349228	1112.33431	1.77388632	11.5474743	13.1837578	4.69213046	31.1972488
180	2CMYB	EnzymeRegulator	0	9.40713439	19.3783298	20.8692707	49.6547349	0	1400.46586	2943.69203	3124.63295	7468.79084	0	216.274183	446.661618	479.863971	1142.79977	0	6.01427846	12.4028184	13.2532735	31.6703703
181	2CT9A	EnzymeRegulator	1.37645567	14.7720744	23.1712581	10.2400532	49.5598414	219.265213	2323.13992	3504.32511	1472.89995	7519.63019	31.9940412	342.152488	532.193366	232.38899	1138.72889	0.91760878	9.66542576	14.9636289	6.37744897	31.9241124
182	2D8NA	EnzymeRegulator	6.04636636	25.7785184	16.4794613	1.27264854	49.5769946	962.487495	3888.22273	2491.1939	180.119795	7522.02392	140.679974	592.560917	379.105573	28.7119816	1141.05845	4.0213875	16.8114297	10.7421252	0.7671118	32.3420541
183	2DKOA	EnzymeRegulator	6.57746516	30.8868466	8.35216773	2.71127673	48.5277562	976.801392	4693.33985	1246.87262	365.229927	7282.24379	151.044121	709.329027	191.697182	61.0406662	1113.111	4.34542757	19.7081037	5.30997516	1.70031063	31.063817
184	2DKOB	EnzymeRegulator	10.6370537	24.4625096	8.40236063	5.30731101	48.809235	1649.44237	3878.94883	1358.98501	770.185773	7657.56199	246.823083	569.995428	196.0465	121.543091	1134.4081	7.10240015	16.3912568	5.56589365	3.30801435	32.367565
185	2ENQA	EnzymeRegulator	5.8947913	31.0262615	9.63284244	1.71127799	48.2651732	913.329167	4824.38091	1468.22841	237.866228	7443.80472	136.145107	718.109401	221.434973	38.34585	1114.03533	3.86870388	20.4114952	6.17624982	0.99908119	31.4555301
186	2F8AA	EnzymeRegulator	2.16483822	10.4474205	27.1687615	8.4190458	48.2000661	342.380515	1639.40174	4146.75227	1255.21356	7383.74809	50.3596905	242.513237	625.214772	193.003691	1111.09139	1.45050809	6.91964857	17.5575739	5.43134005	31.3590706
187	2FJ8A	EnzymeRegulator	2.2820073	15.5706676	22.9157242	5.21442015	46.3900295	346.1583	2381.13348	3435.31315	798.129675	7024.22676	52.8186835	360.500553	526.602113	119.43596	1068.67127	1.46129092	10.0461269	14.4863736	3.23667702	29.475981
188	2G62A	EnzymeRegulator	2.42093912	13.8904988	24.6148633	8.64541343	49.5717147	387.972202	2148.92042	3820.00754	1365.93576	7722.83592	56.5701233	321.878797	569.402886	200.563604	1148.41541	1.63867804	9.256837	16.1989467	5.65998229	32.754444
189	2G81I	EnzymeRegulator	2.31006573	22.9176203	12.125866	7.3601246	44.7136766	341.365493	3462.05913	1826.98774	1085.12814	6715.54051	53.301967	530.185801	279.951724	168.75451	1032.194	1.44109975	14.5218368	7.75720722	4.74391472	28.4640585
190	2GGZA	EnzymeRegulator	1.57573975	14.9924989	23.5919821	9.07606173	49.5340655	250.458608	2287.17886	3509.34058	1410.96625	7504.93707	36.7756842	346.341264	541.597888	210.713841	1142.41559	1.07098895	9.91177632	15.3554037	6.00726619	32.5480081
191	2H4PB	EnzymeRegulator	4.87340213	17.3559138	23.2262236	6.28349311	51.7390326	869.188079	2978.81854	3701.55637	981.473054	8531.03604	117.043695	412.363844	541.047586	144.977258	1215.43238	3.46474174	12.0695448	15.4868223	4.08769945	35.1088084
192	2H7WA	EnzymeRegulator	1.42703097	20.0843992	18.9721839	7.06531241	47.5489265	227.485077	3167.95037	2921.26596	1055.23736	7371.93876	33.2374109	466.466884	438.39338	161.941046	1100.03872	0.95799785	13.3030345	12.4310063	4.56285176	31.2548904
193	2HYNA	EnzymeRegulator	9.9516957	14.4380423	17.6765829	8.94768507	51.014006	1522.70919	2135.72623	2632.82736	1261.47816	7552.74094	229.198042	331.173273	404.692123	204.150021	1169.21346	6.45091689	9.36115338	11.3530088	5.89078151	33.0558606
194	2HYVA	EnzymeRegulator	2.58600506	17.2445446	19.7660542	10.0497703	49.6463741	376.679539	2551.77702	2980.11811	1510.68145	7419.25611	59.0285102	394.831264	453.992896	230.359718	1138.21239	1.65010251	11.0891135	12.7678557	6.42067582	31.9277476
196	2IQYA	EnzymeRegulator	2.42950598	14.3997156	26.1433179	5.10132001	48.0738595	398.74714	2261.72284	4035.46176	753.493758	7449.42551	56.9953244	333.839772	603.378045	116.659082	1110.87222	1.65469953	9.47524586	16.9952795	3.23613085	31.3613557
197	2J32A	EnzymeRegulator	3.76674815	29.9234173	13.3153108	2.05299431	49.0584705	573.390685	4609.31707	2068.12674	301.278146	7552.11264	87.0586685	690.929024	307.798757	46.9080707	1132.69452	2.53132033	19.5159925	8.61033496	1.31689284	31.9745406
198	2JI4A	EnzymeRegulator	2.20826552	12.8495163	22.2351714	11.1916781	48.4846313	327.566867	1879.68042	3302.94622	1668.12099	7178.31449	50.6493706	293.676374	509.720504	255.997939	1110.04419	1.43189735	8.29163445	14.4026959	7.11309957	31.2393273
199	2JN5A	EnzymeRegulator	0	8.15869895	12.206697	28.5656976	48.9310936	0	1176.32835	1740.49033	4152.71817	7069.53685	0	186.58445	277.89991	655.439644	1119.924	0	5.29949084	7.87408966	18.7238809	31.8974614
200	2JQ3A	EnzymeRegulator	0	14.2116272	28.3864281	4.9947737	47.5928291	0	2238.78515	4419.54166	692.568221	7350.89503	0	329.669078	657.087852	112.87116	1099.62809	0	9.35650347	18.6012327	3.07256622	31.0303024
201	2K2YA	EnzymeRegulator	3.36513218	12.5804902	21.4839024	6.81028523	44.2398101	484.505523	1833.79827	3106.28968	959.925661	6384.51914	77.1795443	288.670489	491.164422	154.511886	1011.52634	2.12579513	8.02731182	13.565825	4.29988003	28.018812
202	2K2ZA	EnzymeRegulator	2.19655767	14.6937542	19.3700567	8.38593122	44.6462998	307.546074	2094.6161	2820.40181	1290.3666	6512.93058	50.2736306	334.964624	442.239881	193.583863	1021.062	1.37551432	9.19414081	12.093512	5.40635534	28.0695224

203	2K9AA	EnzymeRegulator	3.29448173	25.3171609	13.6734883	7.15466304	49.439794	498.462243	3863.80167	2110.86204	1053.41048	7526.53643	76.3413129	585.218237	316.654446	164.032547	1142.24654	2.226155	16.7166222	9.03672785	4.60191541	32.5814204
204	2KERA	EnzymeRegulator	0.59464514	19.0537609	20.1714089	5.22313817	45.0429531	89.8591263	2980.19073	3166.38489	759.811257	6996.246	13.6749304	441.783347	468.231968	119.020294	1042.71054	0.3878136	12.4916682	13.1672393	3.26596379	29.3126849
205	2KKWA	EnzymeRegulator	1.38430883	14.4290217	12.925307	16.5147549	45.2533924	198.631606	2014.49938	1840.60223	2384.16615	6437.89937	31.6384732	326.086849	293.27743	376.832835	1027.83559	0.90140858	9.04755777	8.11250361	10.4758117	28.5372816
206	2KN6A	EnzymeRegulator	0.211559	7.8563673	20.8767068	19.5235597	48.4681928	30.4527579	1208.11684	3164.52701	2890.73346	7293.83006	4.79618306	181.222732	479.815823	446.313385	1112.14812	0.13151835	5.110719	13.4717105	12.4879466	31.2018944
207	2KNYA	EnzymeRegulator	2.50952011	12.1325497	22.9509193	8.13930288	45.7322921	402.985889	1792.47027	3380.1422	1214.21157	6789.80993	58.3316792	278.004744	524.03332	185.952276	1046.32202	1.63394528	7.66887026	14.4270061	5.08827632	28.818098
208	2KR0A	EnzymeRegulator	8.8406936	25.7923241	5.49844977	4.8622241	44.9936916	1314.7377	3786.89553	776.400749	673.991124	6552.02511	202.688494	589.77306	124.44264	109.660238	1026.56443	5.7040125	16.487922	3.411351	2.96615981	28.5694453
209	2L5VA	EnzymeRegulator	11.8136968	23.5915311	5.7215135	4.61755048	45.7442919	1693.78454	3414.80497	795.291513	633.690321	6537.57134	268.933921	538.810951	129.332403	104.457721	1041.535	7.45464273	15.1253849	3.58846452	2.87710079	29.0455929
210	2L7BA	EnzymeRegulator	3.05172716	16.5769231	21.9394594	7.72064889	49.2887585	458.781585	2521.67608	3298.94925	1156.28188	7435.6888	69.7283331	380.59291	501.908975	176.541225	1128.77144	1.90886403	10.5505028	13.7695855	4.8301872	31.0591395
211	2L95A	EnzymeRegulator	8.70348264	27.3709638	7.04197399	7.50403257	50.620453	1325.10658	4229.57949	1118.85779	1170.26848	7843.81235	199.941545	632.399024	163.345198	173.482461	1169.16823	5.54877747	17.6964581	4.57664649	4.90983112	32.7317131
212	2LO2A	EnzymeRegulator	6.34245565	25.8396565	7.43615484	7.70273311	47.3210001	993.001452	4007.03418	1139.82116	1178.95276	7318.80955	146.088825	595.624945	170.012513	175.990529	1087.71681	4.00079728	16.2006019	4.52987269	4.67077767	29.4020495
213	2NQDA	EnzymeRegulator	2.36862058	24.5599991	17.5646537	2.83824219	47.3315155	388.025515	3845.5379	2680.78144	406.160638	7320.50549	55.5569986	569.367956	404.906402	64.4575256	1094.28888	1.6017916	16.1819358	11.4155695	1.82409673	31.0233937
214	2NYCA	EnzymeRegulator	3.07481252	16.5348872	22.0673957	7.284154	48.9612495	478.201416	2441.06068	3193.84771	1068.65655	7181.76636	71.3013709	378.482037	503.073725	166.50683	1119.36396	2.05406881	10.6596644	14.14781	4.77875801	31.6403013
215	2O8GB	EnzymeRegulator	2.12671748	9.56293335	25.3269488	12.0307707	49.0473704	333.719605	1475.41442	3883.56033	1829.18644	7521.88079	49.3706979	221.439534	585.305573	276.610346	1132.72615	1.41189614	6.33379781	16.6558204	7.77976835	32.1812827
217	2OSAA	EnzymeRegulator	1.05238045	13.8039594	23.3100615	10.9774019	49.1438033	163.462497	2080.54784	3460.98217	1596.4922	7301.48471	24.4241823	317.528829	534.274624	250.954333	1127.18197	0.70893021	8.99843212	15.0477115	7.0112595	31.7663333
218	2OU1A	EnzymeRegulator	13.1209183	13.6736754	12.1856624	9.52588616	48.5061423	1934.34956	1951.84583	1846.51684	1374.81549	7107.52773	300.146894	311.042208	281.090686	217.532131	1109.81192	8.45689029	8.77399267	8.05388237	6.12344601	31.4082113
219	2P9RA	EnzymeRegulator	7.03300856	22.6543954	16.6593638	2.91201212	49.2587799	1102.5884	3509.28273	2499.90084	447.266866	7559.03884	162.878613	523.745382	382.745766	67.4782898	1136.84805	4.64450054	14.9391711	10.7907517	1.94373632	32.3181597
220	2PCNA	EnzymeRegulator	2.87265956	21.0908627	19.6475893	2.96264231	46.5737539	414.356114	3165.88197	2861.96389	431.331473	6873.53345	65.5887229	484.445285	448.060826	67.627498	1065.72233	1.87905821	13.6889386	12.4718208	1.90325404	29.9430717
221	2PK9B	EnzymeRegulator	3.95967185	28.6815196	14.3592372	2.63974845	49.6401771	594.342591	4394.03338	2174.43209	398.058865	7560.86693	91.1740552	661.05123	329.965361	60.6338567	1142.8245	2.61840054	18.6918382	9.27824914	1.72576161	32.3142495
222	2PLXB	EnzymeRegulator	1.80393681	13.6957671	20.554951	11.2038701	49.1580097	265.637213	2073.07776	3069.77903	1729.19102	7413.73455	41.698058	314.948726	472.411164	257.871607	1130.22628	1.16027591	8.70761667	13.0067985	6.97999997	31.0304525
223	2PO8A	EnzymeRegulator	2.52122775	10.4878156	23.2120267	7.25790392	43.478974	374.074199	1556.94078	3421.89389	1034.03586	6386.94473	58.0868343	241.758858	531.98308	165.077816	996.906589	1.61011939	6.69320518	14.5886647	4.45950654	27.3514958
224	2PV0A	EnzymeRegulator	3.53805684	19.5768348	20.7099939	4.91025046	48.8716826	566.942672	3079.76826	3171.52939	734.432351	7573.02052	82.5014004	454.95146	477.565326	112.455521	1130.59712	2.36592023	12.9874889	13.4554357	3.1204738	32.0158662
225	2PW8L	EnzymeRegulator	0	17.2798366	24.374438	8.90117573	50.5554504	0	2586.10617	3590.98492	1295.28717	7472.37826	0	395.862642	556.767668	203.423732	1156.05404	0	11.0918094	15.579704	5.70169779	32.3732112
226	2PX9A	EnzymeRegulator	3.70822817	25.0927336	15.2505539	4.83066528	48.8821809	590.784966	3880.29054	2337.93225	708.695088	7517.70284	86.4576527	580.023672	350.900233	109.677752	1127.05931	2.49563149	16.4351936	9.73507762	2.9165131	31.5824159
227	2Q4GX	EnzymeRegulator	1.56082549	12.4015669	22.4422145	11.4670097	47.8716166	252.247092	1925.98684	3407.32656	1746.27506	7331.83554	36.4285208	286.487392	516.362216	264.113206	1103.39134	1.02735175	7.9519671	14.2030475	7.26265092	30.4450172
229	2QBFR	EnzymeRegulator	0.97170513	18.6049176	22.1108363	9.1233994	50.8108584	149.676778	2810.66771	3387.83255	1434.93075	7783.10779	22.3455542	426.956266	508.198893	210.219032	1167.71975	0.62935995	12.0728643	14.1820886	5.77263116	32.656944
232	2QFAA	EnzymeRegulator	9.69971051	31.0420987	5.90806109	2.85417848	49.5040487	1532.64076	4830.26581	886.595466	417.240883	7666.74292	225.496861	718.372088	135.302601	65.0257761	1144.19733	6.39887154	20.308301	3.77841924	1.78908231	32.274674
233	2QKLA	EnzymeRegulator	2.96044341	20.7822341	23.8507806	2.46955308	50.4634532	468.309407	3223.53059	3731.59614	362.092365	7840.82357	69.0359717	480.892609	551.737659	56.2380762	1167.01581	2.03315288	13.7703721	15.5360824	1.53272375	33.1212739
234	2QN4A	EnzymeRegulator	0	14.6899812	21.2743268	11.7147825	47.6790906	0	2339.70664	3301.18782	1802.07875	7442.97321	0	341.265849	490.722652	269.564536	1101.55304	0	9.71050283	13.717817	7.44700498	30.8753248
235	2QOUQ	EnzymeRegulator	9.24211257	22.8884986	12.5651704	5.21994331	49.9157249	1366.91577	3447.44364	1890.62405	854.015969	7558.99943	210.66435	523.978271	287.909416	122.250428	1144.80247	5.88979536	14.5485031	8.02041936	3.53728403	31.9960018
238	2QP0K	EnzymeRegulator	5.84096323	25.6790026	9.99446541	5.23233342	46.7467647	879.191632	3854.93242	1549.76082	825.897819	7109.78269	133.958586	587.950087	230.063186	120.64576	1072.61762	3.75185032	16.3192082	6.39205778	3.28257995	29.7456963
239	2QRDC	EnzymeRegulator	2.68782913	21.0366813	16.5736922	9.66823612	49.9664388	407.031748	3237.81059	2608.62211	1511.20023	7764.66469	61.8581519	486.625201	385.670392	224.204042	1158.35779	1.76677655	13.9108608	11.0336483	6.33299251	33.0442782

240	2QRVB	EnzymeRegulator	2.15545598	14.8033028	22.4516975	10.6653243	50.0757806	354.706143	2319.83205	3531.67955	1637.63742	7843.85516	50.7951483	343.275365	520.526374	245.472136	1160.06902	1.48847992	9.84236761	14.7522536	6.83997861	32.9230798
241	2QTVA	EnzymeRegulator	2.97975739	17.2868095	20.9366054	6.92298481	48.1261571	464.433313	2650.13021	3133.25484	1068.11029	7315.92866	68.958884	398.989828	480.170339	159.902704	1108.02176	1.95239161	11.3423168	13.5172307	4.47553404	31.2874731
242	2R2IA	EnzymeRegulator	0.81701897	16.5791331	24.3509143	7.55677191	49.3038383	119.088561	2512.48903	3647.9348	1133.45869	7412.97108	18.6094969	381.878704	560.528157	174.086352	1135.10271	0.52534268	10.9038703	15.8962496	4.90699291	32.2324554
244	2R9YA	EnzymeRegulator	3.70233361	20.5004965	21.530591	3.10307063	48.8364917	564.931557	3151.02965	3306.06833	465.572563	7487.6021	85.4863164	473.135985	496.608013	71.1873793	1126.41769	2.44801458	13.4224149	14.0304435	2.00452844	31.9054014
245	2RAXA	EnzymeRegulator	2.11751287	12.0523147	20.0866705	14.8915021	49.1480003	342.773864	1910.04548	3137.15083	2270.06981	7660.03999	49.6969506	280.405566	464.973214	343.150341	1138.22607	1.43910237	7.98060658	13.0992726	9.68742872	32.2064102
246	2RIVB	EnzymeRegulator	4.57741225	15.0595148	22.1131178	7.18671679	50.4165155	676.8066	2264.53129	3279.55201	1062.45996	7516.70567	105.357094	346.561684	505.156502	163.778748	1155.12511	3.08233512	10.0232495	14.1228584	4.53085435	32.7261788
247	2SICI	EnzymeRegulator	0.84385068	16.0194995	20.0533504	7.43853509	44.3552357	136.40915	2374.01497	2968.23881	1102.32695	6580.98989	19.761564	366.569691	458.631686	171.307808	1016.27075	0.572036	10.2720587	12.7890496	4.80647423	28.4396185
248	2SNII	EnzymeRegulator	1.5958975	11.2493513	22.2783161	14.7254112	49.8489761	245.974667	1711.37689	3282.94831	2151.43718	7391.73705	36.7805343	258.369788	508.501235	336.248309	1139.89987	1.05084889	7.31639841	14.2985077	9.42308666	32.0888417
250	2W96A	EnzymeRegulator	3.19561087	16.9370909	22.3354206	6.46470611	48.9328284	481.472112	2523.64589	3334.78534	951.999129	7291.90247	73.7699117	389.324596	512.087608	147.997165	1123.17928	2.09999748	10.9929461	14.3763918	4.12784312	31.5971785
251	2WOJA	EnzymeRegulator	3.5953343	21.9766045	17.2649042	5.58479873	48.4216417	538.939446	3297.20934	2563.22579	825.683857	7225.05844	82.7208826	504.943363	395.896558	127.809996	1111.3708	2.37364161	14.2546079	11.1508668	3.56969628	31.3488126
253	2WWAC	EnzymeRegulator	11.5032555	14.1568469	13.80795	9.31128538	48.7793377	1759.96957	2168.58247	2054.37259	1394.29219	7377.21682	266.182794	327.704106	316.927148	213.448974	1124.26302	7.86238956	9.71236041	9.21616965	6.10551125	32.8964309
255	2WXZA	EnzymeRegulator	3.20272941	19.9558912	21.1465446	3.65970673	47.9648719	495.464213	3009.33728	3189.23342	533.972715	7228.00763	74.1073839	458.737979	485.626128	83.4099409	1101.88143	2.13517751	13.0298289	13.6647541	2.30382551	31.1335861
256	2XN6A	EnzymeRegulator	2.03197337	13.3622937	20.3297101	12.5207136	48.2446908	306.392514	2026.86798	3049.07981	1874.23776	7256.57807	46.8288422	308.056719	467.506103	287.903804	1110.29547	1.34155888	8.79374675	13.2721904	8.13106285	31.5385589
257	2XN6B	EnzymeRegulator	4.58256851	16.5065003	20.6839749	8.66518526	50.438229	677.200416	2479.52687	3067.0868	1296.12991	7519.944	105.464128	379.781296	472.318051	198.020251	1155.58373	3.08716804	10.983255	13.1764646	5.49383121	32.7407189
258	2XTZA	EnzymeRegulator	4.77023966	24.3600995	18.7315819	2.26958823	50.1315093	719.316646	3744.65416	2859.69472	328.418991	7652.08451	109.591169	562.469502	431.123625	51.6494778	1154.83377	3.09660498	16.0034724	12.1345116	1.42511394	32.6597029
259	2Y4TA	EnzymeRegulator	5.50934928	23.5004819	12.6898921	7.83854647	49.5382697	826.473952	3526.55107	1903.98771	1189.74763	7446.76037	126.396415	539.352915	290.960115	180.251028	1136.96047	3.54391697	15.1122709	8.14970684	5.08251246	31.8884072
260	2YDYA	EnzymeRegulator	2.84153381	17.0192076	22.2809818	5.90527518	48.0469984	445.447809	2609.62165	3420.89523	926.779288	7402.74398	65.7547573	391.924425	513.150272	136.549682	1107.37914	1.86939434	11.0163601	14.3908814	3.81929704	31.0959328
263	2ZD7A	EnzymeRegulator	11.5494717	29.5222141	6.89118725	2.31601737	50.2788904	1852.39042	4607.03919	1023.40996	347.285147	7830.12472	269.457707	684.257608	157.614544	52.9668102	1164.29667	7.81042403	19.4938538	4.39592473	1.42985845	33.130061
265	3A2EA	EnzymeRegulator	1.39674661	15.7065642	21.1320738	8.39962332	46.635008	215.551179	2407.37502	3216.30507	1229.96775	7069.19902	32.2065424	361.636917	486.496166	191.647187	1071.98681	0.90399269	10.0749063	13.55939	5.28035897	29.8186479
266	3A6MA	EnzymeRegulator	14.5584722	24.3377063	6.01508715	4.28363655	49.1949022	2242.40726	3687.46573	871.651206	626.716644	7428.24084	335.259821	558.514645	136.564607	97.3573546	1127.69643	9.33874958	15.6668938	3.73895513	2.63611909	31.3807176
267	3APOA	EnzymeRegulator	4.69512239	18.7579765	17.7287316	7.78432383	48.9661543	719.747949	2938.41916	2779.63468	1181.29209	7619.09388	108.14005	434.90302	411.149578	179.361764	1133.55441	3.04412457	12.390394	11.6870701	5.05590181	32.1774905
268	3APQA	EnzymeRegulator	5.38220112	23.6951723	17.8921357	2.43316943	49.4026786	843.213602	3759.32875	2789.8322	362.51759	7754.89215	124.860582	550.85407	413.856788	55.5972746	1145.16871	3.53035338	15.6201293	11.7023035	1.5192059	32.3719921
269	3APSA	EnzymeRegulator	3.06194462	13.1300361	28.0092841	4.3110409	48.9561528	475.86487	2046.55042	4275.44217	665.838293	7532.16238	70.8388594	304.237267	646.452019	99.7236083	1131.44727	2.03245147	8.70563175	18.3223868	2.81862457	32.1604145
270	3B23C	EnzymeRegulator	2.90182991	14.0776986	16.6010279	14.9162596	48.496816	482.173731	2200.65723	2566.13286	2290.11736	7539.08118	68.6603445	327.740374	384.317301	344.640508	1125.35853	2.03295265	9.48161109	10.933463	9.72868512	32.1767118
271	3BG4D	EnzymeRegulator	5.75662185	13.5183902	13.3555164	11.6660831	44.2966115	842.750834	1968.52877	1941.89194	1715.16571	6468.33726	132.535158	309.638458	307.575476	269.476137	1019.22523	3.68689333	8.55748899	8.55765411	7.54250681	28.3445433
272	3BH7B	EnzymeRegulator	2.58662279	12.1444186	21.5187965	11.8937293	48.1435672	405.118564	1884.16712	3263.3477	1756.98517	7309.61855	60.140018	281.008173	495.773004	272.486106	1109.4073	1.72362242	8.01270206	14.0309703	7.64599991	31.4132947
273	3BIUL	EnzymeRegulator	0	16.6950852	23.5446608	10.3926287	50.6323747	0	2507.5125	3479.77085	1519.3569	7506.64025	0	382.793365	538.282477	237.864521	1158.94036	0	10.7493865	15.0943755	6.68027025	32.5240322
275	3BT4A	EnzymeRegulator	1.55159061	19.8496807	21.0682105	3.37750641	45.8469883	235.549862	2911.37837	3118.34979	511.550604	6776.82863	35.6400473	454.06375	482.520447	77.4696822	1049.69393	0.97237824	12.5713055	13.2908483	2.12693496	28.961467
276	3BTNA	EnzymeRegulator	2.41968015	14.7746452	22.7343725	7.86970395	47.7984018	372.366246	2226.36346	3487.10415	1196.3704	7282.20425	56.0680406	340.442665	525.8621	181.544496	1103.9173	1.60742638	9.72225271	15.0023083	5.17492393	31.5069113
277	3C5WA	EnzymeRegulator	4.73804271	18.3964812	17.3353644	8.57306796	49.0429562	714.621178	2811.7967	2542.70927	1238.47751	7307.60466	109.059669	424.319426	395.614431	194.956609	1123.95013	3.09751366	12.0515844	11.1296904	5.4623651	31.7411535
278	3CCDA	EnzymeRegulator	0	11.5755662	27.5782165	7.41061449	46.5643972	0	1641.21203	3950.29908	1053.0203	6644.53141	0	262.633262	626.805076	168.172084	1057.61042	0	7.38487022	17.5585762	4.62666835	29.5701148

279	3CF6E	EnzymeRegulator	5.18001047	17.8363589	19.8172954	6.47545542	49.3091202	803.652805	2713.4995	2996.65505	982.257166	7496.06452	120.150404	410.644326	455.667603	148.763184	1135.22552	3.40763844	11.5797888	12.8372666	4.17764202	32.0023358
280	3CPTA	EnzymeRegulator	2.868364	17.8450492	22.8132002	4.78362749	48.3102409	431.532842	2681.88765	3426.59333	698.762103	7238.77593	65.9508302	409.528979	523.332148	108.956678	1107.76863	1.896945	11.6339753	14.7711581	3.04876491	31.3508433
281	3CPTB	EnzymeRegulator	3.76092593	25.2164589	15.5523638	1.92800956	46.8626019	541.609294	3703.76004	2284.92191	296.299427	6891.30415	85.965971	576.427329	355.300591	44.3605571	1071.49848	2.46017948	16.2425252	9.85545163	1.20916907	30.0332705
282	3CUEA	EnzymeRegulator	3.56774564	20.2516052	22.5935994	2.98311561	49.3960659	550.196661	3076.84801	3408.61865	433.481983	7469.14531	82.5923712	467.053898	521.127568	68.0904084	1138.86425	2.39614326	13.3558242	14.8578695	1.92845201	32.5382889
283	3CUEB	EnzymeRegulator	2.00585697	19.4392991	17.5539615	10.4424277	49.4415453	308.185151	3054.82855	2701.59377	1598.76685	7663.37432	46.4782028	451.855524	405.379959	240.30289	1144.01658	1.34887074	12.9961338	11.4196338	6.63958239	32.4042208
284	3CUEC	EnzymeRegulator	2.62189305	16.8555516	23.6693713	7.0012297	50.1480457	452.989154	2712.08813	3652.19779	1030.54571	7847.82079	62.4108215	393.764021	547.013931	159.933851	1163.12262	1.85153512	11.340552	15.4778953	4.42342402	33.0934064
285	3CUED	EnzymeRegulator	1.26129663	21.3778179	21.4291407	4.97015558	49.0384109	187.296752	3216.56478	3208.03515	729.602478	7341.49916	29.0356042	491.996701	491.948219	113.801301	1126.78183	0.83364186	14.0459454	13.8580342	3.18625153	31.923873
286	3CXLA	EnzymeRegulator	4.24266349	19.3789555	20.3567928	5.37061315	49.3490249	679.120885	2935.5336	3076.32567	815.894007	7506.87417	99.122196	446.547524	468.252727	123.383993	1137.30644	2.85606372	12.6602474	13.1797127	3.40061523	32.0966391
287	3D2FA	EnzymeRegulator	7.57905344	23.6704542	11.8665951	5.23021646	48.3463192	1119.8092	3547.09195	1783.52058	775.564724	7225.98645	173.206718	542.739772	272.63154	119.581007	1108.15904	4.85051627	15.2505804	7.70584815	3.34066262	31.1476075
288	3D9YA	EnzymeRegulator	1.87373596	5.65989008	26.9919917	12.4751434	47.0007612	276.782852	850.20673	4056.77645	1870.14894	7053.91498	42.9293597	129.921511	619.945788	286.723853	1079.52051	1.22281543	3.69971173	17.6050232	8.14604671	30.6735971
289	3DF1S	EnzymeRegulator	3.81509741	29.7280977	12.2316582	3.36782201	49.1426753	593.54171	4518.96261	1833.87861	532.870508	7479.25343	87.9894691	683.877456	279.666272	77.912518	1129.44572	2.48259958	19.3280186	7.76186194	2.17569938	31.7481795
291	3DM7A	EnzymeRegulator	10.7184176	30.4783036	6.95566395	2.27897949	50.4313646	1722.8886	4818.51679	1037.21724	353.098882	7931.72151	250.22492	708.277085	159.18054	52.6585494	1170.34109	7.26137341	20.2522551	4.42283149	1.50254527	33.4390053
292	3DOEB	EnzymeRegulator	2.26596909	18.4769801	18.9983937	10.925916	50.6672588	344.298457	2820.16563	2937.19195	1668.16608	7769.82212	52.4149031	427.829248	440.663611	251.83158	1172.73934	1.52808734	12.3257386	12.6494981	7.08908773	33.5924118
295	3DW8B	EnzymeRegulator	10.3110649	33.6600449	3.68002445	1.61166868	49.2628029	1591.06042	5197.95804	554.403908	236.706204	7580.12858	238.12534	777.313652	84.5078707	36.7626218	1136.70948	6.75747959	21.8744389	2.35311376	1.02445972	32.009492
296	3DY0B	EnzymeRegulator	3.69883477	16.5476595	21.9678836	9.04081859	51.2551965	571.408564	2619.58345	3430.42345	1381.39303	8002.80851	86.2005915	385.992369	508.864035	207.515796	1188.57279	2.53602584	11.2695993	14.5568738	5.74723144	34.1097304
297	3ECSA	EnzymeRegulator	3.17165667	20.527644	20.715612	3.99805346	48.4129661	475.23433	3093.45509	3081.77324	595.388579	7245.85123	72.6929017	471.571614	474.601815	91.3589446	1110.22528	2.05857567	13.3994477	13.4184828	2.54523547	31.4217416
298	3EQCA	EnzymeRegulator	2.16443775	11.6398478	24.4628075	10.6435769	48.91067	316.813229	1740.47858	3702.29936	1588.98803	7348.57919	49.4947611	267.426714	562.617426	244.375426	1123.91433	1.40158129	7.57153233	15.8809687	6.91018158	31.7642639
299	3F02B	EnzymeRegulator	2.41395013	14.8737968	19.3165586	12.1263256	48.7306312	352.174736	2213.00845	2957.16988	1856.64371	7378.99677	55.1963004	341.558634	446.340486	279.881522	1122.97694	1.57053829	9.68959024	12.715591	7.89166444	31.867384
301	3FDSC	EnzymeRegulator	3.14714936	16.0134128	24.2209802	4.96341776	48.3449601	483.947987	2391.99971	3507.11141	713.201814	7096.26092	72.9081042	367.867878	552.142343	112.750095	1105.66842	2.09572868	10.4600648	15.6138902	3.12393312	31.2936167
302	3FIHK	EnzymeRegulator	4.67456745	26.6528842	9.94658699	5.2140745	46.4881131	702.001211	3988.85455	1534.99579	824.42156	7050.27311	107.061541	609.71097	228.790377	120.254835	1065.81772	2.9878875	16.8845417	6.36025145	3.26279946	29.4954802
304	3FYRA	EnzymeRegulator	1.38958432	15.0270894	24.5626686	10.7360891	51.7154313	207.212422	2237.62151	3686.82321	1615.37932	7747.03646	31.8420579	344.116749	562.974366	245.881282	1184.81445	0.90704997	9.71181553	15.8119304	6.83662915	33.267425
305	3GAXA	EnzymeRegulator	1.35740918	16.3386124	17.6983754	13.0714137	48.4658107	209.287747	2522.42193	2716.2051	2033.42907	7481.34384	31.2938089	377.385988	407.971221	302.466676	1119.11769	0.88238792	10.5887913	11.3444663	8.46693299	31.2825785
306	3H6QA	EnzymeRegulator	0.59701128	16.7229725	19.3998642	11.9588042	48.9557853	96.4935446	2732.14808	3049.61631	1820.51554	7740.25907	13.9470458	392.038841	450.419001	275.182332	1137.92541	0.4008317	11.3092017	12.7947524	7.6985789	32.3767104
307	3H6RA	EnzymeRegulator	0.67195942	15.2966492	23.7695364	8.24207954	48.2897015	102.38245	2412.11218	3663.14022	1242.34406	7468.9683	15.4839541	354.946742	548.494531	189.287619	1115.42689	0.44503227	10.128081	15.4197556	5.29160806	31.4930516
308	3HHMA	EnzymeRegulator	3.33101952	18.9710662	21.4643447	5.99863037	49.7650608	509.354368	2918.72495	3297.21863	918.712618	7644.01057	76.9764712	438.424217	495.585592	138.177931	1149.16421	2.19950801	12.4078036	14.0382306	3.88305729	32.5285995
309	3HQAA	EnzymeRegulator	8.30340457	22.8226436	10.9071652	4.69404961	47.5337679	1247.49478	3398.95389	1595.13026	668.826563	7024.51193	191.768281	522.681547	248.268999	106.722159	1087.77278	5.39632879	14.424886	6.78816794	2.99639273	30.1273922
310	3HRZA	EnzymeRegulator	2.066287	13.5492761	23.2797935	9.33801071	48.2333673	315.281344	2058.49059	3525.68312	1389.54061	7288.99567	47.6303146	312.139869	535.563827	213.958416	1109.29243	1.35664506	8.87521111	15.1768452	5.98074135	31.3894427
311	3HRZB	EnzymeRegulator	6.9875322	23.9250927	13.5539965	4.67914666	49.145768	1079.82896	3649.6817	1998.21249	670.634206	7398.35735	161.245756	551.084184	309.854358	106.026758	1128.21106	4.55828351	15.6278566	8.74437771	2.91184698	31.8423648
312	3HRZC	EnzymeRegulator	5.35847389	22.9301767	17.2830886	3.55768515	49.1294244	791.969434	3482.42176	2594.48515	522.886013	7391.76236	122.725106	528.312734	397.017705	81.1767934	1129.23234	3.424683	15.0015504	11.1486983	2.25978826	31.83472
314	3IHRA	EnzymeRegulator	8.8407698	31.9774113	5.10601037	3.1567999	49.2623562	1341.39811	4919.08705	749.534035	458.665167	7494.91396	203.736216	737.26596	116.585132	71.9240579	1133.64076	5.82773418	20.755738	3.27104248	2.01257071	31.9846466
315	3IQUA	EnzymeRegulator	3.82182666	24.7035545	17.3639078	2.74857299	48.6378619	592.483516	3727.72045	2559.90514	392.608189	7272.71729	88.5279741	567.800575	397.332465	62.3364864	1115.9975	2.52332231	15.986191	11.0916169	1.68728536	31.2884155

316	3ISMB	EnzymeRegulator	3.14371329	23.8848576	19.9483538	1.73734883	48.7142735	503.840009	3771.8531	3077.5197	259.519553	7612.73236	73.5169572	554.300715	459.436176	39.7530248	1127.00687	2.10960594	15.6243126	12.7661542	1.10185613	31.6019288
317	3ISYA	EnzymeRegulator	2.20356134	14.1053985	17.8149569	15.3512541	49.8844432	341.224912	2165.15158	2758.36706	2313.34199	7637.19432	51.0034854	325.636173	411.737631	352.425875	1150.07981	1.46807089	9.28189171	11.6636436	9.83941421	32.5019019
318	3IZBB	EnzymeRegulator	17.6012711	27.1029849	2.00433523	1.94816117	48.6567524	2638.61761	4088.90395	282.768115	267.956184	7278.24586	403.78717	621.923205	45.4254279	43.9788703	1115.11467	11.3011582	17.4536533	1.27906248	1.21746895	31.2513429
320	3IZWW	EnzymeRegulator	5.90712798	27.3225254	11.5330154	4.10369641	48.8663651	922.755797	4174.42645	1715.86987	605.821119	7418.87323	136.315249	629.042122	263.14157	93.2872977	1121.78624	3.83309957	17.720159	7.32828204	2.55795481	31.4394954
321	3J00C	EnzymeRegulator	13.4914994	31.1774592	2.22160818	1.83469358	48.9607852	2048.80933	4726.49083	330.573649	281.489084	7424.45031	309.753768	715.389284	50.7119714	41.9818554	1123.24257	8.71140422	19.9623803	1.39745141	1.13931471	31.3570787
323	3K4XA	EnzymeRegulator	0	7.16029805	25.1687174	16.2571439	48.5861593	0	1057.55837	3730.28237	2382.14648	7169.98722	0	163.568716	576.90079	372.050607	1112.52011	0	4.60727892	16.4741112	10.5213143	31.6027044
324	3KC4T	EnzymeRegulator	14.6689934	24.4967627	7.47174185	2.37787012	49.015368	2261.18732	3716.94346	1099.09263	344.665135	7421.88854	337.672402	561.482792	169.916176	53.8923973	1122.96377	9.30729813	15.5103128	4.69217622	1.48965656	30.9994437
325	3KCGL	EnzymeRegulator	8.5257591	17.2803677	14.1659172	5.92741517	45.8994592	1261.35465	2553.81469	2072.85059	881.793122	6769.81305	196.264977	396.056931	323.728494	136.004518	1052.05492	5.41564501	10.9167977	8.93700181	3.79921658	29.0686611
328	3KYDB	EnzymeRegulator	1.5899521	15.7338806	22.245625	9.0962099	48.6656676	245.679418	2380.04177	3329.69431	1372.16722	7327.58272	36.5771756	362.065257	510.399778	208.489565	1117.53178	1.0017346	10.2132297	14.4122522	5.83663694	31.4638534
329	3L0RA	EnzymeRegulator	3.04481584	20.9718905	19.5300813	4.25581518	47.8026028	469.731538	3126.85537	2964.98544	653.602488	7215.17484	70.2758491	480.979272	449.704382	98.3420175	1099.30152	1.98683312	13.5081323	12.5672852	2.78155064	30.8438013
330	3L0XB	EnzymeRegulator	0.57071872	16.6280999	23.6470578	7.31677341	48.1626499	89.4596392	2557.11425	3515.22067	1079.03228	7240.82684	13.2373852	384.446301	542.76972	167.622384	1108.07579	0.38576431	11.1625148	15.5041947	4.68556202	31.7380358
331	3L50A	EnzymeRegulator	3.7825287	24.7652327	18.6915948	2.81348833	50.0528446	595.169271	3728.63814	2820.24447	439.404902	7583.45677	88.1936895	569.273639	430.410918	65.0465976	1152.92484	2.58377564	16.0815008	12.0351627	1.79486722	32.4953063
333	3LJUX	EnzymeRegulator	7.67249998	32.4504792	8.13088864	1.49914374	49.7530116	1219.48723	5160.5102	1279.67498	240.881896	7900.5543	178.349438	754.291259	188.304014	34.831933	1155.77664	5.04971047	21.3867922	5.28212422	0.97143678	32.6900637
334	3M1IB	EnzymeRegulator	5.45537434	33.0335638	9.76681254	1.93995183	50.1957026	840.057229	5128.32741	1460.26046	268.989754	7697.63486	125.932335	763.574036	223.447897	43.809598	1156.76387	3.56015095	21.5782626	6.18895558	1.22348291	32.5508521
335	3M7QB	EnzymeRegulator	4.08438594	22.9005052	15.1277759	5.17742205	47.2900891	671.925397	3591.82033	2360.17799	789.281177	7413.20489	96.0656946	531.836493	350.648026	119.41139	1097.9616	2.76097407	15.0267287	9.86791118	3.33360738	30.9892214
336	3MA2B	EnzymeRegulator	2.06198563	16.7700329	24.1551339	6.20071865	49.187871	316.893334	2647.80792	3770.28402	951.699393	7686.68467	47.6384985	390.144203	559.890109	142.940494	1140.61331	1.37587577	11.2119861	15.7833968	4.00232367	32.3735823
337	3MC2A	EnzymeRegulator	2.66500255	12.0813501	21.2759983	11.2524141	47.2747651	399.217468	1862.52994	3267.22382	1699.09379	7228.06502	61.2972916	279.002177	491.334383	258.76062	1090.39447	1.73516068	7.86670724	13.8251489	7.25832851	30.6853453
338	3MHSB	EnzymeRegulator	0	18.1171657	21.434444	9.58060334	49.6540135	0	2647.18433	3158.38333	1357.46008	7234.94689	0	413.169372	489.905041	217.555034	1132.45466	0	11.5733389	13.7742741	6.04098307	31.7119956
339	3MHSC	EnzymeRegulator	4.40542342	20.1751955	18.3026055	5.54693738	48.4301618	706.565517	2990.77691	2749.62079	755.566193	7202.52941	102.942603	460.93976	419.040612	124.727032	1107.65001	2.97063784	12.8062009	11.502436	3.45177593	30.7310506
340	3MSHA	EnzymeRegulator	3.58624323	19.7601737	17.8658336	4.43011882	45.6423693	510.49163	2836.40109	2548.02903	606.991662	6501.91342	81.5340469	449.337532	405.805222	99.9691082	1036.64591	2.28656615	12.4869597	11.1732458	2.72137275	28.6681444
341	3MU7A	EnzymeRegulator	2.31276077	11.6229899	27.535934	5.77214421	47.2438289	366.092315	1831.48674	4275.05856	877.494998	7350.13262	53.8847954	270.500742	637.208735	132.794603	1094.38888	1.5685914	7.8409992	18.0754249	3.72092396	31.2059394
342	3NDDB	EnzymeRegulator	4.3668907	23.0138016	15.1687394	6.69838633	49.2478181	682.766112	3554.03001	2204.45985	954.074085	7395.33006	102.04334	534.545084	346.559893	152.208456	1135.35677	3.02228314	15.5574211	9.7638481	4.26299662	32.6065489
343	3NGGA	EnzymeRegulator	5.05146852	16.2090258	23.5938675	1.95740904	46.8117708	738.260575	2372.13159	3487.89685	300.357963	6898.64698	115.89918	371.352382	540.588012	45.326909	1073.16648	3.14518168	10.2005061	14.9581365	1.32307139	29.6268957
345	3O30T	EnzymeRegulator	2.02085339	15.0700478	27.7353258	2.94547658	47.7717036	300.670913	2314.53613	4326.33146	437.16625	7378.70475	46.2982076	347.329747	641.906906	67.6013981	1103.13626	1.31624622	9.86595127	18.2305055	1.88802201	31.300725
346	3O7LI	EnzymeRegulator	3.50742308	24.1469713	10.1786309	12.8147383	50.6477636	542.142312	3762.12558	1584.60798	1887.27128	7776.14715	80.4194393	554.303077	234.748535	291.380283	1160.85133	2.224857	15.1723514	6.53878775	7.98425664	31.9202528
348	3OART	EnzymeRegulator	13.6019807	21.1294384	10.0158753	4.19555976	48.9428541	2089.21005	3228.72093	1463.92833	617.305404	7399.16472	313.384999	485.043658	227.62493	95.2883251	1121.34191	8.68515611	13.4108033	6.27044859	2.62205045	30.9884584
349	3OF7A	EnzymeRegulator	1.92598056	12.639624	25.9544763	7.31762709	47.8377079	295.807123	1981.82812	4011.46022	1092.42742	7381.52288	44.4219844	293.24667	599.430725	167.728841	1104.82822	1.25339461	8.37301594	16.9615653	4.65418685	31.2421627
351	3OP8A	EnzymeRegulator	1.73304558	16.7260912	17.3777514	12.1794221	48.0163103	266.782136	2539.72994	2588.59722	1863.90593	7259.01522	40.0542626	385.512795	399.357777	281.37274	1106.29757	1.14712385	10.9489683	11.2499537	7.96082431	31.3068702
355	3P8FI	EnzymeRegulator	3.18004482	12.9502318	13.2485614	16.1810723	45.5599104	475.070927	1901.04694	2070.52689	2409.99648	6856.64124	73.6322115	297.506752	307.577612	372.015698	1050.73227	2.054819	8.34950886	8.60512288	10.4720165	29.4814672
356	3PGEA	EnzymeRegulator	2.887222	17.6416496	24.2715728	3.94575242	48.7461968	427.01844	2644.72804	3673.38818	577.66855	7322.80321	66.2626398	405.220224	558.275602	90.0214954	1119.77996	1.89242174	11.4697179	15.8447379	2.49855506	31.7054326
357	3PGEB	EnzymeRegulator	4.59200228	21.431561	17.3138514	5.35336972	48.6907843	687.768149	3122.34552	2531.63304	754.966415	7096.71312	105.438501	489.87451	395.46994	121.474747	1112.2577	3.01635832	13.8964428	11.1031127	3.39032887	31.4062427

358	3PZFA	EnzymeRegulator	2.8068266	18.801374	23.0311348	4.21365656	48.8529919	430.748625	2900.20317	3525.11289	630.731599	7486.79629	65.0266923	434.517067	531.036338	96.6142566	1127.19435	1.89250239	12.383094	14.9733547	2.70351598	31.952467
359	3Q27A	EnzymeRegulator	4.82947578	28.035502	14.1693604	0.635338	47.770715	770.686534	4288.7322	2078.10174	91.6425867	7243.04837	112.559174	646.960113	323.636087	14.403346	1099.82867	3.24701592	18.4594898	9.11270175	0.39817136	31.2798824
360	3Q8DA	EnzymeRegulator	2.65360876	17.7973488	19.2726764	9.58448774	49.3081217	407.802334	2762.99749	2975.26631	1462.96689	7609.03303	61.3133408	411.434975	444.345327	220.297727	1137.39137	1.7576043	11.7193709	12.5315881	6.12706086	32.1356242
361	3QAZB	EnzymeRegulator	4.70256685	20.937169	18.4108227	5.89994873	49.9505072	759.984234	3307.36322	2948.18845	928.806619	7944.34252	109.683064	485.828662	428.175221	136.136869	1159.82382	3.12372608	13.7854323	12.0859808	3.73858599	32.7337252
363	3QWLA	EnzymeRegulator	2.24029589	15.4274843	18.5830703	13.7542254	50.0050759	360.18403	2393.52911	2847.68774	2075.39374	7676.79463	52.2434114	357.049599	428.826832	315.978477	1154.09832	1.50186064	10.1788932	12.1925598	8.89491741	32.768231
364	3QY2A	EnzymeRegulator	6.36250777	33.4524301	9.54920726	1.53842797	50.9025731	1020.26604	5279.0372	1540.80486	274.348283	8114.45638	147.947628	776.50933	222.678679	37.0872108	1184.22285	4.19637704	21.9607625	6.23022734	1.06403125	33.4513981
365	3R2PA	EnzymeRegulator	5.7014475	24.6741359	13.5293191	6.14830193	50.0532045	862.594461	3755.596	2079.19067	936.469723	7633.85086	131.020142	567.45244	311.281179	140.826215	1150.57998	3.71060039	15.8905076	8.60747333	3.87648751	32.0850688
366	3RIIA	EnzymeRegulator	1.56828994	8.63865262	27.1696797	11.0869457	48.463568	236.955441	1326.73325	4182.51347	1706.75426	7452.95642	36.0915636	199.599735	626.630215	255.641392	1117.96291	1.04087038	5.73623688	17.6914232	7.16068845	31.629219
368	3RM1A	EnzymeRegulator	0.5638796	24.4401397	18.7246341	4.92370094	48.6523543	91.4146182	3637.83606	2733.63585	752.970775	7215.8573	13.3034035	561.69913	427.488476	114.061173	1116.55218	0.39161894	15.9600973	11.8903278	3.24906045	31.4911044
369	3RT2A	EnzymeRegulator	1.69965126	21.4255282	20.3695057	5.09450657	48.5891916	250.909305	3234.43398	3026.84041	715.704892	7227.88859	38.8194281	491.636072	465.568106	115.294417	1111.31802	1.09170729	13.8425681	12.9592767	3.16444872	31.0580008
370	3RU4C	EnzymeRegulator	4.1837491	16.1288997	15.8547556	3.56739688	43.8456625	602.898233	2304.75106	2233.89244	491.065418	6200.0023	95.2016003	367.126901	359.550688	81.3929777	995.989944	2.66231054	10.4020967	10.1384073	2.27392756	28.0791306
371	3S8KA	EnzymeRegulator	0.55427229	16.7871979	22.241362	9.37344319	48.9562754	89.1400016	2627.37136	3443.46152	1457.8771	7617.84998	12.9539184	389.343651	514.465702	216.551884	1133.31516	0.37847283	11.223164	14.6860592	6.10229058	32.3899866
373	3SFZA	EnzymeRegulator	3.06060618	19.5659358	20.4492845	5.59668346	48.67251	472.336987	3011.79694	3124.89006	869.69246	7478.71644	70.5966003	451.809063	471.037247	129.37557	1122.81848	1.98537617	12.7869336	13.3066989	3.67683007	31.7558388
374	3STOA	EnzymeRegulator	2.89705283	18.6305913	20.5532928	6.31249796	48.3934349	442.101046	2814.85459	3137.62133	955.08339	7349.66036	66.8944801	428.357301	473.392879	144.994011	1113.63867	1.92979627	12.1861123	13.3704615	4.05078316	31.5371533
375	3T5GB	EnzymeRegulator	0	16.6537362	22.3492311	10.9448706	49.9478379	0	2619.77224	3449.55453	1624.14871	7693.47548	0	386.052567	516.374453	250.730654	1153.15767	0	10.9620899	14.6861919	6.98316682	32.6314487
376	3TNPC	EnzymeRegulator	1.95245787	15.8598123	26.8443525	5.52063722	50.1772599	300.225032	2465.33684	4183.83194	843.44267	7792.83648	45.1140997	367.505842	621.505285	127.08023	1161.20546	1.29091378	10.5256793	17.7136282	3.56050728	33.0907285
377	3TW8A	EnzymeRegulator	2.94197309	16.7200912	22.0952838	7.37158378	49.1289319	452.495366	2585.29512	3307.05144	1114.74005	7459.58197	68.0291364	387.199879	506.853285	169.569736	1131.65204	1.95853005	11.0710194	14.2978119	4.77865388	32.1060152
378	3U5CG	EnzymeRegulator	11.1577043	32.1955055	3.6339208	3.16876537	50.155896	1706.42031	4865.32745	549.688744	467.774895	7589.2114	256.270441	738.164024	83.1438246	72.0702114	1149.6485	7.15834516	20.6285502	2.26543303	1.97773261	32.030061
380	3V2UA	EnzymeRegulator	2.95738779	19.0629762	23.3251185	3.02275634	48.3682388	451.782027	2911.42725	3500.93073	449.470811	7313.61082	68.1486112	439.938632	535.563228	69.183529	1112.834	1.94064799	12.5494997	15.1431127	1.93034182	31.5636022
381	3V96A	EnzymeRegulator	3.09828352	18.3998607	22.3872347	4.59573652	48.4811154	490.146502	2892.56432	3480.16203	689.453091	7552.32595	72.1150127	427.093923	518.958293	105.490872	1123.6581	2.06617284	12.1328267	14.6651097	2.94144067	31.8055499
382	3VUBA	EnzymeRegulator	3.00219815	15.3645182	21.6843185	9.73989895	49.7909339	462.450776	2353.61895	3347.84434	1477.2384	7641.15246	69.7133956	355.362379	500.463556	223.671444	1149.21078	2.01521044	10.0920489	14.0521431	6.26059315	32.4199956
384	4A5WA	EnzymeRegulator	3.7824888	23.5880516	17.7591633	3.42599169	48.5556954	576.790156	3558.8067	2682.57137	522.232734	7340.40097	87.1844273	542.447115	408.572144	79.0360268	1117.23971	2.47851875	15.3726333	11.5798802	2.23711935	31.6681516
385	4ABIB	EnzymeRegulator	4.5114481	13.728732	9.72993166	18.6147041	46.5848158	681.78815	2015.73197	1489.37643	2808.48788	6995.38443	104.77442	316.120734	224.718803	429.017231	1074.63119	2.92441428	8.83380835	6.27380863	12.041684	30.0737152
386	4ACQA	EnzymeRegulator	1.74194912	15.0467919	24.9572744	6.1256321	47.8716475	261.838962	2246.555	3779.08102	921.815184	7209.29016	39.9829449	345.252701	574.098802	140.605176	1099.93962	1.12380078	9.72652039	16.2052583	3.94315388	30.9987334
387	4ADYA	EnzymeRegulator	6.78203224	29.9779596	7.8654005	3.29109515	47.9164875	1000.14238	4501.16199	1186.87342	486.539081	7174.71687	155.0829	687.817601	180.655484	75.2922924	1098.84828	4.39506224	19.4133458	5.09926336	2.12008338	31.0277548
388	4AFFA	EnzymeRegulator	6.41673529	25.1125011	12.2041347	4.83847662	48.5718477	908.111622	3605.31552	1846.43667	735.650881	7095.51469	145.724283	570.667133	279.657072	110.992409	1107.0409	4.153638	16.0588438	7.72007311	3.04949382	30.9820487
389	4ANIA	EnzymeRegulator	16.4742723	22.1836266	6.68982196	3.73800685	49.0857276	2471.09193	3327.86739	979.951157	515.403171	7294.31365	377.847167	509.235495	152.76112	84.2476749	1124.09146	10.578845	14.2307918	4.23020778	2.32474483	31.3645895
391	4AZ3A	EnzymeRegulator	4.11738594	14.9902642	22.3240751	6.26253217	47.6942574	625.944986	2322.17156	3443.02434	964.014056	7355.15494	94.980471	347.116749	516.270187	144.644403	1103.01181	2.72081585	9.9633653	14.6561667	4.03361529	31.3739632
392	4AZ3B	EnzymeRegulator	2.40072364	15.9144972	24.2614068	6.69959326	49.276221	362.654168	2478.36965	3762.60324	1027.01645	7630.64351	55.4022523	369.850797	562.152213	154.3281	1141.73336	1.57512242	10.5920376	15.9112864	4.32945684	32.4079033
393	4B4TS	EnzymeRegulator	6.52767204	20.065075	16.6336815	6.42240356	49.6488321	976.585291	3053.90997	2453.34858	951.699608	7435.54345	150.028857	462.065828	380.432482	147.019829	1139.547	4.2463959	13.1547058	10.6861851	4.14404905	32.2313358
394	4D9SA	EnzymeRegulator	1.45118329	9.12934813	27.2389397	9.15602944	46.9755006	228.906473	1476.55568	4312.08482	1383.19768	7400.74465	33.6679717	212.899303	631.947436	210.028521	1088.54323	0.94551473	6.04209671	17.880945	5.83316047	30.7017169

395	4DGLA	EnzymeRegulator	11.4678456	23.4431666	11.0925033	3.02112878	49.0246442	1803.95258	3660.52577	1703.17118	461.413921	7629.06346	267.032276	544.341425	256.106357	69.5020063	1136.98206	7.65111459	15.4512968	7.21300808	1.96383476	32.2792542
396	4DINB	EnzymeRegulator	7.66604297	32.5489853	7.16266775	1.81921958	49.1969156	1168.60206	4939.48432	1092.98843	274.258536	7475.33334	176.381222	748.083239	164.740434	41.8883648	1131.09326	4.96364607	20.9942045	4.5974512	1.18897007	31.7442719
397	4DRWA	EnzymeRegulator	1.44697875	20.0069152	21.1664073	6.13681978	48.757121	220.647491	3035.45154	3174.20134	957.384461	7387.68483	33.5039438	461.913194	487.123238	142.8896	1125.42998	0.97982256	13.2573991	13.7324089	4.0483316	32.0179621
398	4DXZA	EnzymeRegulator	1.83949073	15.9214524	22.8412128	7.93558489	48.5377409	288.032068	2448.34839	3472.81744	1226.11889	7435.31679	42.6652482	367.640746	525.432408	182.21648	1117.95488	1.21543432	10.4083118	14.7690442	4.98227781	31.3750682
400	4EJNA	EnzymeRegulator	1.31854966	14.7382664	25.5479524	8.64477073	50.2495392	203.982781	2264.79037	3977.04549	1335.34898	7781.16762	30.4835536	340.577407	591.590517	199.324961	1161.97644	0.86584519	9.7239472	16.8355691	5.57241442	32.9977759
401	4EV0A	EnzymeRegulator	2.17164586	14.4334923	21.2132951	11.069238	48.8876713	333.167386	2193.35313	3215.31397	1667.78151	7409.616	49.7931543	331.366447	486.949728	253.710308	1121.81964	1.37195059	9.26096473	13.7039163	7.140601	31.4774326
402	4F38B	EnzymeRegulator	6.73851102	19.738914	18.8034813	4.43095926	49.7118655	1047.68705	3037.12501	2814.46425	641.246236	7540.52255	156.134422	455.538015	430.774734	100.710477	1143.15765	4.45866938	12.846585	12.0502259	2.77586713	32.1313474
403	4F7ZA	EnzymeRegulator	1.74407705	16.1981734	26.0164607	5.23622253	49.1949337	270.336045	2478.37132	3939.67566	790.211321	7478.59434	40.3496646	373.75933	597.887768	120.267128	1132.26389	1.13368142	10.6019816	16.7796385	3.33604425	31.8513458
404	4F9KA	EnzymeRegulator	2.75359689	26.0500602	16.0473769	6.08071812	50.9317521	422.071131	3945.79984	2433.14997	906.951812	7707.97275	63.442207	598.21854	368.871085	138.863503	1169.39533	1.79667496	16.71527	10.3377385	3.79317772	32.6428612
405	4FIPC	EnzymeRegulator	10.7193393	11.9834367	11.9444487	14.4052137	49.0524384	1506.4633	1709.3201	1716.16997	2083.70517	7015.65854	242.242555	271.401872	271.075567	327.992494	1112.71249	6.75050734	7.51048632	7.55714528	9.21449298	31.0326319
408	4GMXB	EnzymeRegulator	0.42183838	18.6685929	21.5583671	9.18795706	50.2200735	63.6523951	2950.80571	3310.01297	1364.24265	7746.79099	9.69241634	433.533928	496.648809	210.124589	1158.80921	0.27666569	12.3477588	13.9434898	5.80870329	32.6194789
409	9PAIB	EnzymeRegulator	3.96257849	21.3572584	21.0063848	2.2865617	48.6127834	600.449776	3248.33608	3263.18123	340.971721	7452.93881	91.3437861	491.990637	486.043677	52.4098499	1121.78795	2.61216603	13.9308442	13.7165952	1.46498759	31.724593
410	7ODCA	NonEnzymeRegulator	3.17792061	19.9472227	20.2167272	4.95560976	48.2974803	498.07795	3045.06617	3078.40042	761.186209	7382.73074	73.8780653	460.405389	466.055931	114.576648	1114.91603	2.11096663	13.1228153	13.1953018	3.2468884	31.6759721
411	2QUDA	NonEnzymeRegulator	3.27461808	15.1191068	21.1073518	8.68603071	48.1871074	511.491658	2248.63327	3070.51954	1255.42087	7086.06534	75.5794249	345.192812	480.092571	197.280967	1098.14578	2.13502038	9.60007939	13.3306626	5.44178	30.5075424
412	3KYZA	NonEnzymeRegulator	1.35659488	11.6548752	21.8421978	14.3487246	49.2023924	207.149292	1824.41764	3423.73383	2259.63511	7714.93586	31.2218649	269.502327	504.983494	331.810548	1137.51823	0.89416825	7.62695314	14.1345438	9.22919959	31.8848647
413	3T47A	NonEnzymeRegulator	0.71958576	18.0724715	16.7313738	13.785055	49.3084861	106.024379	2699.97153	2477.40886	2046.48978	7329.89454	16.4338372	413.653321	382.344345	315.124144	1127.55565	0.46376039	11.5713468	10.6749455	8.76882506	31.4788777
414	4G7XA	NonEnzymeRegulator	1.09436231	18.7239747	18.1484328	9.33506193	47.3018317	169.525749	2930.5512	2829.73715	1423.18373	7352.99783	25.3712675	435.601645	422.139109	215.519875	1098.6319	0.73569778	12.5477309	12.0734964	6.02221854	31.3791436
415	1WVFA	NonEnzymeRegulator	1.72128635	12.9230006	23.9757148	9.40146288	48.0214647	273.54578	2009.95563	3666.61305	1419.28414	7369.3986	40.0702039	299.882281	552.891615	216.00191	1108.84601	1.13005319	8.54204154	15.5990067	6.06949769	31.3405991
416	3ZSJA	NonEnzymeRegulator	0.72718429	11.4648771	27.0661375	9.5834105	49.2139011	116.628362	1767.44176	4123.33127	1461.04279	7528.5752	16.9630188	264.654708	622.638512	220.186489	1133.05301	0.49117133	7.53057243	17.5631728	6.13536634	31.9496296
417	3A5FA	NonEnzymeRegulator	1.05453063	9.98276741	23.7337113	12.845196	47.6162054	147.348903	1429.9187	3481.22235	1848.79591	6907.28586	23.8653387	227.196093	542.75953	292.745536	1086.5665	0.67429696	6.43903235	15.3429228	8.23186448	30.6881166
418	3M0ZA	NonEnzymeRegulator	1.36526145	10.1913298	26.8165293	8.42735041	46.800471	207.450637	1528.76023	3989.46115	1218.04804	6943.72005	31.4023057	233.880434	613.312004	191.608377	1070.20312	0.88837374	6.64856668	17.1324681	5.32372043	29.993129
419	2GPIA	NonEnzymeRegulator	2.1886026	22.4728579	18.515129	5.58040542	48.7569949	346.391625	3448.47016	2778.25529	818.813793	7391.93087	51.0202684	518.328443	424.626385	127.169674	1121.14477	1.46692363	14.6642502	11.9003985	3.47293079	31.5045032
420	1OEWA	NonEnzymeRegulator	1.61188709	12.06454	20.4376061	11.1119917	45.2260248	239.360791	1842.09578	3082.89816	1652.46028	6816.815	36.9553001	278.486877	469.974375	254.692473	1040.10902	1.05290074	8.0061558	13.3860265	7.20295607	29.6480391
421	3LQBA	NonEnzymeRegulator	1.97004621	10.6728775	24.1645754	11.6540255	48.4615246	317.146493	1639.20524	3704.69438	1761.5945	7422.64061	45.9433579	245.906142	557.181428	267.792127	1116.82306	1.29959285	6.90588556	15.7103974	7.52313337	31.4390091
422	2OLRA	NonEnzymeRegulator	1.56571541	13.1239679	22.8538838	10.3371589	47.8807259	243.511429	2045.58081	3489.83432	1554.59324	7333.5198	36.3293319	304.260521	526.208162	237.1813	1103.97931	1.03732753	8.69608601	14.8582797	6.66052278	31.252216
423	2ODKA	NonEnzymeRegulator	4.71699476	17.6413381	20.3584598	5.89865989	48.6154525	717.673913	2730.17292	3245.83263	962.555979	7656.23545	108.550848	407.678736	471.977071	136.909883	1125.11654	3.09392772	11.5482539	13.2142791	3.76886431	31.625325
424	1O26A	NonEnzymeRegulator	4.68333453	20.0382659	15.7637296	10.1122808	50.5976109	754.787912	3208.08266	2443.75682	1537.27514	7943.90253	109.27019	467.098275	364.332681	232.143925	1172.84507	3.13643429	13.3804028	10.2947988	6.46154952	33.2731855
425	3UC7A	NonEnzymeRegulator	2.22392197	6.40462031	16.0173981	19.0946941	43.7406345	390.517222	1069.25137	2630.25184	3042.27543	7132.29586	53.1761543	151.001536	375.278211	443.187256	1022.64316	1.56301506	4.39632807	10.746818	12.4004082	29.1065693
426	2BZ1A	NonEnzymeRegulator	2.63597954	16.6852997	23.98682	4.85704393	48.1651432	419.677617	2507.38799	3602.64384	746.926493	7276.63593	61.0868634	382.779499	550.147866	111.879497	1105.89373	1.71242579	10.7388002	15.4874072	3.10633865	31.0449718
427	3UB6A	NonEnzymeRegulator	4.4807053	29.4778038	11.5417838	3.54137357	49.0416665	694.735559	4495.44645	1742.03588	514.805452	7447.02335	104.18291	680.664177	265.61584	80.7738963	1131.23682	3.01411289	19.3520816	7.46541016	2.25620728	32.087812
428	3SMVA	NonEnzymeRegulator	2.71754391	18.9608426	20.4288992	6.68895942	48.7962451	432.604685	2968.40787	3105.61255	1011.06469	7517.6898	63.3467232	439.333843	470.257752	153.551833	1126.49015	1.82776431	12.4897145	13.2468703	4.30317896	31.867528

4291	KMVA	NonEnzymeRegulator	1.87745959	10.8301167	22.7243393	13.9270708	49.6146789	289.389907	1681.81752	3480.68528	2063.45224	7551.6078	43.5669823	251.043184	524.190336	318.788868	1143.39131	1.26599737	7.18249954	14.8530834	8.9580672	32.4216565
4302	ZXYA	NonEnzymeRegulator	0	5.13747836	27.7647062	14.5738779	47.4760625	0	764.237091	4087.90454	2092.8637	6945.00534	0	117.901026	635.461514	331.747928	1085.11047	0	3.38538452	17.9907896	9.29879925	30.6749734
4311	MJ5A	NonEnzymeRegulator	2.39550875	17.2787968	27.669478	1.29100097	48.6347846	392.59057	2702.68666	4310.04769	207.498364	7612.82328	56.089872	400.589262	639.416513	29.9072099	1126.00286	1.60023793	11.4039211	17.9254441	0.8192689	31.748872
4321	AIEA	NonEnzymeRegulator	3.36828616	13.1312012	20.3363139	14.4511969	51.2869982	528.595177	1977.81548	3186.15812	2219.65139	7912.22017	77.8753985	301.885533	471.495156	332.513943	1183.77003	2.15631086	8.45090952	13.3713785	9.19321077	33.1718096
4332	BZVA	NonEnzymeRegulator	1.04797535	15.7163734	23.1953533	7.87852384	48.140002	166.955285	2466.92381	3584.94532	1204.98175	7469.14026	24.4533927	365.270073	536.106389	181.543091	1114.30654	0.71943165	10.5501753	15.1763365	5.07086051	31.7076167
4342	PR7A	NonEnzymeRegulator	1.75724902	7.92358657	26.7782647	10.2774979	46.7365982	249.828734	1150.04166	3997.73949	1525.47954	6923.08942	39.9506517	180.725023	613.113173	234.839042	1068.62789	1.14523805	5.13006814	17.1503814	6.541154	29.9668415
4351	HBNC	NonEnzymeRegulator	5.65822019	22.9938247	16.0316264	4.23658382	48.9202551	873.433548	3484.20786	2399.1854	627.211138	7384.03795	130.483323	528.456496	367.530365	97.0553494	1123.52553	3.66784456	14.6971308	10.1600793	2.68271255	31.2077672
4362	HEUA	NonEnzymeRegulator	7.1150222	33.3325013	7.09192279	0.7066676	48.2461139	1115.72068	5071.08082	1047.02372	108.694582	7342.51981	165.271815	768.778162	162.179905	16.3368469	1112.56673	4.72236615	21.8020543	4.54911729	0.46769332	31.541231
4372	I53A	NonEnzymeRegulator	3.30919526	18.8289759	22.0054634	5.85059344	49.994228	525.845462	2967.57689	3384.22469	923.272083	7800.91913	76.954911	437.523677	508.05596	135.852053	1158.3866	2.20278151	12.4937953	14.4008204	3.85206336	32.9494606
4383	GIXA	NonEnzymeRegulator	1.79546266	6.39406905	24.6772517	16.1260709	48.9928543	279.381851	981.440869	3692.68627	2391.69352	7345.20251	41.6402814	147.817801	566.929101	369.294464	1125.68165	1.21194156	4.27881771	16.1239509	10.3769089	31.9916191
4392	GB4A	NonEnzymeRegulator	2.11829532	8.40879666	27.0186243	12.2425852	49.7883014	340.213722	1318.3284	4214.67762	1893.8009	7767.02064	49.4285742	195.08645	625.499255	282.575711	1152.58999	1.42925947	5.60819376	17.8236304	7.97272372	32.8338074
4401	ZHVA	NonEnzymeRegulator	2.6584231	13.6165848	20.6506083	10.4267484	47.7196023	421.842289	2097.69	3114.99057	1593.54124	7298.62567	61.9436198	314.360598	473.583704	239.730282	1098.49934	1.80662242	9.00295685	13.3346732	6.68505995	31.066413
4413	IE7A	NonEnzymeRegulator	2.69128532	15.3009339	24.7985876	4.650346	47.4411528	396.444514	2257.57322	3639.19111	677.218955	6970.4278	61.5391932	350.190738	566.096205	105.724767	1083.5509	1.73946703	9.9121193	15.9190135	2.91893699	30.4895369
4423	HNYM	NonEnzymeRegulator	0.98768619	17.158974	24.078895	6.42988551	48.9648723	155.295731	2697.9108	3716.74468	993.035649	7612.6318	22.9330781	397.887434	556.860671	148.789479	1133.77478	0.6556679	11.2965168	15.7752425	4.20463826	32.1430226
4431	EAQA	NonEnzymeRegulator	0	13.9551667	19.7867355	13.8172761	47.5591784	0	2122.39066	3038.4518	2080.8613	7241.70376	0	320.686758	455.354648	316.608553	1092.64996	0	9.07727492	12.8027806	8.7909917	30.6710472
4442	O1QA	NonEnzymeRegulator	4.18743643	34.7391845	6.4876655	1.824082	47.2383685	701.547062	5594.72686	961.854075	261.044566	7519.17257	98.958475	810.022133	148.369761	41.3816221	1098.73199	2.91507542	23.1617897	4.14089585	1.16778581	31.3855468
4452	VPBA	NonEnzymeRegulator	0.88970318	9.19799372	19.5045171	16.3895084	45.9817224	144.438063	1490.59427	2986.99939	2432.99773	7055.02945	20.8111785	215.800125	451.777419	377.60861	1065.99733	0.60164739	6.15805115	12.7871296	10.561588	30.1084161
4463	SQZA	NonEnzymeRegulator	3.03784052	17.2357053	24.2617275	3.85721579	48.3924891	448.984311	2570.12196	3671.24419	569.220783	7259.57125	69.6956429	395.587231	558.108195	88.0863957	1111.47747	1.99427107	11.270864	15.8012089	2.43701592	31.5033599
4471	FO8A	NonEnzymeRegulator	2.52531078	14.3981873	24.4562051	8.50875204	49.8884552	413.172037	2271.44396	3884.9303	1307.47884	7877.02514	59.1449014	334.462931	568.386453	195.704898	1157.69918	1.6949826	9.55890977	16.1545589	5.42102958	32.8294808
4484	H89A	NonEnzymeRegulator	1.33994336	9.02737069	22.7312884	13.8306733	46.9292757	210.206292	1413.80941	3574.32332	2156.28733	7354.62635	31.0535448	208.928273	525.838986	319.510452	1085.33126	0.87703458	5.87955235	14.7610358	8.92370371	30.4413265
4493	FSSA	NonEnzymeRegulator	2.46028021	16.5052773	22.879695	7.80901793	49.6542704	378.115437	2524.278	3432.41821	1157.56543	7492.37708	56.9533459	380.93967	525.333394	178.625861	1141.85227	1.65583523	10.9833913	14.8754338	5.00903032	32.5236907
4503	I94A	NonEnzymeRegulator	1.55535566	13.6006069	26.1654611	7.47396574	48.7953894	236.384238	2096.98991	3971.90608	1122.61099	7427.89121	36.0492597	314.648731	602.09372	171.204769	1123.99648	1.02831775	8.93964381	16.9208063	4.76606153	31.6548294
4511	JCDA	NonEnzymeRegulator	10.8173598	11.064924	10.3079059	10.444436	42.6346257	1561.85451	1579.02298	1502.05278	1538.28178	6181.21205	244.252407	249.6156	233.15623	236.746245	963.770482	6.32397906	6.55394805	6.06792862	6.16964515	25.1155009
4522	WLVA	NonEnzymeRegulator	3.64429053	17.1713537	19.6705641	7.94147465	48.427683	562.30103	2637.24592	3047.63196	1224.11437	7471.29329	84.201364	396.235419	454.687093	183.242378	1118.36625	2.37536254	11.1578558	12.7874004	5.15529545	31.4759142
4531	EDGA	NonEnzymeRegulator	1.6525756	9.17986208	27.6070858	9.8977007	48.3372242	260.379369	1441.44952	4328.26324	1492.25214	7522.34427	38.3824792	213.331586	640.914387	227.565866	1120.19432	1.09928315	6.11209327	18.2160514	6.37588363	31.8033115
4542	DRTA	NonEnzymeRegulator	9.81291131	8.29022596	10.846769	10.7285911	39.6784974	1448.02285	1228.17982	1615.35461	1597.91769	5889.47497	225.042376	190.280723	249.221981	246.470134	911.015215	6.3196578	5.32815759	6.94756485	6.85536724	25.4507475
4552	WTPA	NonEnzymeRegulator	1.57385058	23.9755756	17.8118204	3.83627877	47.1975254	242.108946	3673.91217	2688.51196	557.387299	7161.92038	36.4215361	552.899987	408.736082	87.4603467	1085.51795	1.04865522	15.6246599	11.3218974	2.40286064	30.3980731
4563	HKWA	NonEnzymeRegulator	1.10674022	12.3116784	25.6960657	8.63680725	47.7512915	171.102235	1880.7964	3909.23215	1325.80084	7286.93163	25.718742	284.096023	591.417029	198.610352	1099.84215	0.7372522	8.03927641	16.5712931	5.53171943	30.8795411
4573	T8JA	NonEnzymeRegulator	3.31872427	18.4163666	24.5223273	2.52629717	48.7837153	495.418361	2791.26237	3736.12963	396.480618	7419.29098	76.2999292	424.139046	564.688508	58.5380758	1123.66556	2.1764048	12.1021345	15.9616435	1.64060951	31.8807923
4583	TN2A	NonEnzymeRegulator	2.1348715	8.92994955	18.6826047	17.1083763	46.855802	333.688647	1361.63544	2836.19071	2544.13885	7075.65365	49.6485756	206.423311	431.763332	392.833063	1080.66828	1.4349162	5.85465714	12.1914885	10.9462723	30.4273341
4591	M15A	NonEnzymeRegulator	2.08209553	16.6318036	24.6949179	5.30692863	48.7157456	326.985395	2591.27122	3689.61376	763.560195	7371.43057	48.2132846	384.435159	566.637285	120.798718	1120.08445	1.34546196	10.8338153	15.9899487	3.39400994	31.5632359

4601	G8AA	NonEnzymeRegulator	2.10731515	18.9344599	24.059879	4.32929187	49.4309459	316.062808	2863.31713	3652.83994	645.468325	7477.68821	48.4494547	435.265166	552.697169	99.200081	1135.61187	1.38146957	12.3694538	15.5101313	2.75783532	32.01889
4612	HHCA	NonEnzymeRegulator	2.5026593	16.8206321	20.1716233	9.52932711	49.0242418	402.35603	2643.10231	3098.26355	1491.3963	7635.11819	58.4346472	389.748382	465.048312	220.515525	1133.74687	1.6608666	11.0122349	13.0883124	6.19543963	31.9568536
4622	QGUA	NonEnzymeRegulator	0.57123311	15.699673	21.4475739	10.6806558	48.3991358	89.2101475	2407.89203	3231.52263	1627.40389	7356.02869	13.2280805	361.714493	491.620003	245.237724	1111.8003	0.37734691	10.2533228	13.7268541	6.81020963	31.1677334
4633	ONDA	NonEnzymeRegulator	3.07261042	20.5912243	21.4209118	2.64452885	47.7292754	453.454125	3094.71032	3200.21077	393.654193	7142.02941	70.2942795	473.293505	491.533515	60.606255	1095.72755	1.94880063	13.3484607	13.8558032	1.70970539	30.8627699
4642	HLYA	NonEnzymeRegulator	3.30309289	16.2663913	23.0720666	5.06682413	47.7083749	538.717999	2586.07044	3589.13007	780.302367	7494.22088	77.7225978	379.088105	534.308341	116.700879	1107.81992	2.26492659	10.9012859	15.1568994	3.23262985	31.5557418
4652	FOMA	NonEnzymeRegulator	5.24991627	27.3998759	10.9499196	3.84912759	47.4488394	762.999647	3932.96872	1568.14933	580.315673	6844.43338	119.176701	621.977062	248.974649	89.0079729	1079.13638	3.22121064	17.1852879	6.84077052	2.45715154	29.7044206
4662	HQSA	NonEnzymeRegulator	2.78997289	15.2209957	19.5132308	9.2858071	46.8100065	436.492737	2339.84824	2979.91291	1414.58792	7170.84182	64.7107958	351.145207	449.280875	213.393492	1078.53037	1.84747071	9.93663914	12.627515	5.94342628	30.3550512
4673	BMZA	NonEnzymeRegulator	4.84825365	29.514098	12.8826678	1.81325019	49.0582696	784.891444	4735.73878	2013.34476	270.94759	7804.92258	113.434325	687.034836	297.458538	41.3198243	1139.24752	3.25198777	19.4596874	8.25537425	1.10993645	32.0769859
4682	FCWB	NonEnzymeRegulator	3.349178	16.7282862	17.6177568	7.1781479	44.8733689	483.377079	2447.71211	2742.09168	1121.97464	6795.15551	76.5406712	383.339273	408.117317	166.472927	1034.47019	2.08001001	10.4986485	11.2885524	4.57503723	28.4422481
4692	DVMA	NonEnzymeRegulator	4.09979871	25.4305172	15.9998662	2.65804229	48.1882243	614.715274	3786.51776	2385.41355	388.581758	7175.22835	94.0578673	582.563632	366.251716	60.5942532	1103.46747	2.66089365	16.4599544	10.2869624	1.68789564	31.0957062
4703	TWEA	NonEnzymeRegulator	12.3569456	12.5693743	12.4979938	15.7882358	53.2125496	1840.40474	1880.11136	1882.87617	2357.29541	7960.68769	281.91705	287.157083	286.179876	360.406574	1215.66058	7.74387893	7.97244835	7.97721604	9.93747032	33.6310136
4711	HBNA	NonEnzymeRegulator	3.01383897	18.0989622	18.5675842	7.51777599	47.1981614	469.227635	2798.0934	2823.19266	1125.738	7216.25169	69.9542775	418.323202	427.940081	172.460543	1088.6781	2.00012807	11.8034965	12.0902783	4.82412533	30.7180282
4721	T6FA	NonEnzymeRegulator	12.4674775	14.1383397	13.7531756	10.6089242	50.9679169	1805.04023	2076.87879	1983.38691	1517.90706	7383.21299	283.087444	321.850767	312.49311	241.243696	1158.67502	7.7702054	8.90571175	8.67819003	6.76674032	32.1208475
4733	MOLA	NonEnzymeRegulator	1.52069115	14.5154319	20.613754	8.59664877	45.2465258	229.179653	2190.69414	3168.90425	1311.96201	6900.74006	35.025054	333.896246	475.512985	197.704901	1042.13919	1.01850442	9.52480484	13.4731283	5.5510591	29.5674966
4743	BONA	NonEnzymeRegulator	2.87257733	16.1354443	24.4470676	5.64040278	49.095492	449.184062	2494.24176	3749.55893	830.482809	7523.46756	66.4909578	372.928928	564.638246	129.00083	1133.05896	1.88836394	10.6319073	16.0856206	3.62082662	32.2267185
4752	O9SA	NonEnzymeRegulator	0	11.9654121	24.2014779	13.6169802	49.7838702	0	1861.64051	3801.40977	2105.90498	7768.95526	0	276.728324	560.738457	314.742702	1152.20948	0	7.86650518	15.9256066	8.88995768	32.6820695
4763	ZQUA	NonEnzymeRegulator	5.55353388	31.8221885	8.2083278	1.17419039	46.7582406	813.274696	4685.94617	1266.40894	185.211626	6950.84142	127.175825	727.697257	189.909658	27.1510382	1071.93378	3.61704829	20.326293	5.35607356	0.75301517	30.05243
4773	SXMA	NonEnzymeRegulator	0.7409384	18.4734231	24.7702943	6.83672019	50.821376	117.175392	2797.31924	3720.3742	1014.56222	7649.43105	17.1441455	424.416696	568.185544	156.86941	1166.6158	0.47668876	11.9087844	16.0118583	4.43259439	32.8299259
4783	RKGA	NonEnzymeRegulator	7.7048765	27.3322454	10.540552	3.8785722	49.4562461	1128.8793	4078.65934	1555.20188	556.148	7318.88851	176.277496	627.721247	240.818389	87.9503843	1132.76752	5.02557685	17.7595381	6.76919439	2.44730757	32.0016169
4791	SU8A	NonEnzymeRegulator	2.07682785	14.5410525	24.9595917	4.73417027	46.3116422	308.191652	2155.03729	3636.55084	700.202189	6799.98197	47.6883222	333.074565	568.850325	108.171979	1057.78519	1.32009125	9.36318896	15.8954941	2.97970456	29.5584788
4802	EABA	NonEnzymeRegulator	2.42458341	14.7932014	22.0452286	7.67488999	46.9379034	382.338337	2313.84058	3342.5731	1136.89765	7175.64967	56.3916893	342.828175	506.539745	175.345121	1081.10473	1.60487322	9.71663552	14.175175	4.88087785	30.3775616
4813	ND1A	NonEnzymeRegulator	2.23622942	13.1089835	22.7962532	9.40319425	47.5446604	333.77746	1954.21388	3490.3572	1389.08506	7167.43359	51.3045989	300.393325	524.694963	214.783917	1091.1768	1.45842858	8.44715202	14.7588892	6.00102353	30.6654933
4823	QZXA	NonEnzymeRegulator	0.82397442	15.2819121	27.7616893	6.25076573	50.1183416	135.467804	2473.55628	4316.47411	949.388597	7874.88679	19.301453	357.033045	642.804983	143.95606	1163.09554	0.55547477	10.278218	18.2692116	4.04434821	33.1472525
4832	BF9A	NonEnzymeRegulator	2.91719542	15.9186123	12.6062916	17.6094337	49.0515331	452.460208	2522.29906	1949.33088	2702.00543	7626.09558	67.5486771	370.417777	291.115129	404.871453	1133.95304	1.91792333	10.543617	8.21589233	11.1972972	31.8747299
4844	GXWA	NonEnzymeRegulator	2.58443613	18.1346394	25.506198	2.07367961	48.2989532	411.924534	2856.78681	4029.20713	301.673498	7599.59197	60.0541888	420.217943	591.373936	47.1935113	1118.83958	1.69773906	11.8541239	16.6510651	1.31275867	31.5156867
4853	L32A	NonEnzymeRegulator	2.25186339	15.8958989	18.6122357	13.7105214	50.4705194	341.832392	2431.87354	2891.82314	2123.64942	7789.1785	51.806956	366.544643	430.8109	316.969029	1166.13153	1.47482684	10.4041941	12.2768263	8.97116058	33.1270078
4861	YN9A	NonEnzymeRegulator	2.2353964	14.753777	26.2822991	6.16513267	49.4366051	344.373114	2256.85858	4059.69273	947.801199	7608.72563	51.688917	340.283178	607.678142	142.568826	1142.21906	1.45901499	9.64814237	17.215184	4.06263894	32.3849803
4873	ODVA	NonEnzymeRegulator	0	11.9608924	25.9333632	8.40440604	46.2986617	0	1762.73465	3828.03838	1240.31092	6831.08395	0	275.431478	595.262329	192.788639	1063.48245	0	7.61786757	16.4889023	5.27915974	29.3859296
4883	QHBA	NonEnzymeRegulator	3.77232101	23.2631194	17.3145163	3.10768816	47.4576449	570.08023	3483.92916	2562.4088	457.759574	7074.17776	87.2457848	533.754061	395.684124	71.2145163	1087.89849	2.47266304	14.9567459	10.9860822	1.99410468	30.4095959
4892	Q3TA	NonEnzymeRegulator	4.64153394	17.1222846	23.0725426	5.17611276	50.0124739	731.683238	2689.91721	3611.25696	782.086926	7814.94433	107.719518	397.65122	534.73024	118.516696	1158.61767	3.075023	11.3499739	15.088206	3.2412965	32.7544994
4903	C6AA	NonEnzymeRegulator	2.21714033	11.4263263	27.4646459	7.79614077	48.9042532	334.376187	1734.49903	4152.23746	1153.13906	7374.25173	51.0722341	263.820966	632.557531	178.199081	1125.64981	1.46843182	7.55795516	17.9368536	4.97573534	31.9389759

491	1LUCA	NonEnzymeRegulator	2.07225816	12.1786997	28.3918716	5.42781443	48.0706439	322.917415	1876.12894	4315.18743	821.101853	7335.33564	48.0879141	281.721031	654.464391	124.814823	1109.08816	1.39679508	8.04303745	18.4479313	3.50310054	31.3908643
492	1WN2A	NonEnzymeRegulator	2.780936	15.3516161	23.7574203	7.06401283	48.9539852	400.087083	2267.73602	3588.72302	1078.89697	7335.44309	63.1793503	350.656912	545.740238	162.905304	1122.4818	1.79339503	9.91633567	15.4782357	4.62541881	31.8133852
493	2XQOA	NonEnzymeRegulator	1.36902581	12.6161907	24.8973866	9.72099701	48.6036001	220.793491	2021.59509	4013.15233	1544.76115	7800.30206	31.9415201	293.650434	580.485348	225.800744	1131.87805	0.91713399	8.36393402	16.4510299	6.35752102	32.0896189
494	3ZR8X	NonEnzymeRegulator	1.49653873	20.2406551	22.0260578	6.09604941	49.859301	225.91453	3133.30745	3381.38571	928.720456	7669.32814	34.5040661	469.581586	508.680541	140.155318	1152.92151	0.98212009	13.4606808	14.4154401	3.91855851	32.7767995
495	3HLXA	NonEnzymeRegulator	1.03593503	19.8408135	22.0412572	6.26652544	49.1845311	167.501048	3158.38181	3481.7152	969.503588	7777.10165	24.1926485	461.255091	510.98502	144.623258	1141.05602	0.69502903	13.0905664	14.2985814	4.03422289	32.1183998
496	1OH0A	NonEnzymeRegulator	0.37753877	19.0786059	22.1245897	5.9939759	47.5747102	56.8562678	2916.68891	3356.82756	941.996577	7272.36932	8.72126581	441.076055	509.090661	139.255901	1098.14388	0.24558919	12.5149182	14.1952882	3.91351733	30.8693129
497	1K5NA	NonEnzymeRegulator	2.69737288	21.4092081	20.9089448	4.22528982	49.2408156	430.228228	3385.93824	3295.7691	672.105165	7784.04073	62.9775307	496.626804	483.49948	97.9013018	1141.00512	1.79785908	13.9839888	13.4307638	2.70398933	31.916601
498	1H99A	NonEnzymeRegulator	3.14927762	15.0755627	23.5399979	8.54665203	50.3114902	494.407191	2270.9547	3516.12385	1287.35975	7568.84549	72.996079	346.830869	540.216593	196.764048	1156.80759	2.09230701	9.84081959	15.2516602	5.58967051	32.7744573
499	1A4IA	NonEnzymeRegulator	2.08771557	11.8517813	22.7149381	10.6231172	47.2775521	295.344569	1717.85149	3343.10046	1568.09223	6924.38875	47.593799	270.287891	518.371753	242.627375	1078.88082	1.34194338	7.59235525	14.4657851	6.74772738	30.1478111
500	3SRIB	NonEnzymeRegulator	1.93345972	21.314974	10.6340392	10.7958915	44.6783644	299.568894	3076.52532	1533.86124	1531.19796	6441.15342	45.0128714	487.878501	242.80293	244.856822	1020.55112	1.28742779	13.5638607	6.70890008	6.79592506	28.3561136
501	3POWA	NonEnzymeRegulator	4.56002255	26.3284774	16.0157075	2.01562083	48.9198282	713.621	4098.81424	2492.22098	297.847343	7602.50357	105.903329	609.713198	370.860131	45.9615685	1132.43823	3.06707964	17.3586683	10.495181	1.24342527	32.1643542
502	1D8WA	NonEnzymeRegulator	2.03430153	16.4271272	21.5479904	8.74568604	48.7551051	316.007199	2538.97252	3385.12934	1340.39641	7580.50547	46.9489568	378.88915	498.883464	201.06809	1125.78966	1.32218518	10.6664082	14.0483592	5.61229328	31.6492459
503	2PQ7A	NonEnzymeRegulator	7.68023922	31.1192945	7.21166708	2.38643736	48.3976381	1160.31527	4741.42132	1129.4192	400.560353	7431.71615	175.931249	714.663254	167.181524	56.2517741	1114.0278	4.89219745	19.911806	4.77419401	1.6307147	31.2089121
504	3PP2A	NonEnzymeRegulator	0.94953612	15.3188402	22.0835496	10.5233658	49.2806494	152.394687	2440.66529	3385.36849	1601.75531	7640.86262	22.0185221	355.768376	507.530175	240.940933	1135.48601	0.62042559	10.1605876	14.2256598	6.65973916	31.9179884
505	1SX5A	NonEnzymeRegulator	3.08626587	19.7847635	18.6067629	8.63913344	50.1169257	482.114603	3064.43786	2903.47435	1339.48818	7789.51499	71.5785193	457.457616	430.858839	199.472361	1159.36734	2.07500556	13.0633407	12.2137006	5.61793815	32.969985
506	1NZ0A	NonEnzymeRegulator	0.92921607	10.7374178	25.1632828	16.2717413	53.1016579	139.366724	1665.01376	3967.81731	2560.91029	8333.10808	21.3217009	247.734511	581.869648	376.244184	1227.17004	0.61615714	7.08004359	16.4136157	10.585094	34.6949105
507	3QC5X	NonEnzymeRegulator	8.3467784	13.7864857	15.9525458	9.66240682	47.7482167	1234.91804	2106.88161	2385.25613	1419.7038	7146.75959	190.617335	317.349396	365.138321	220.250283	1093.35534	5.27917983	8.8946757	10.2133747	6.11147852	30.4987087
508	1HDOA	NonEnzymeRegulator	1.36136642	10.5100185	23.407479	11.5204729	46.7993368	197.41227	1564.90419	3490.30425	1731.17376	6983.79447	31.1482694	240.988581	535.796604	263.927229	1071.86068	0.89672796	6.79271253	14.9292787	7.33038299	29.9491022
509	1WUIS	NonEnzymeRegulator	3.76871429	18.0124531	19.3932375	5.28236304	46.4567679	558.593513	2732.45746	2931.56937	847.324821	7069.94517	86.5133493	415.241087	446.528177	123.06127	1071.34388	2.43828975	11.7617608	12.6111627	3.47023327	30.2814465
510	3T0HA	NonEnzymeRegulator	0.94389985	14.3930871	26.4301373	6.92745009	48.6945743	142.761416	2143.4433	3981.83045	1021.24759	7289.28275	21.7196784	329.787759	607.367227	158.409511	1117.28417	0.62276823	9.36666737	17.1486871	4.43280578	31.5709285
511	3IXLA	NonEnzymeRegulator	1.83470301	7.75297274	23.6826058	12.8317991	46.1020807	267.762819	1138.03983	3536.01471	1924.71536	6866.53272	42.0243106	177.519218	542.996057	293.662295	1056.20188	1.18782601	5.04337519	15.3180626	8.14274063	29.6920045
512	1YB3A	NonEnzymeRegulator	3.00875424	19.0305648	26.2334584	2.47342672	50.7462041	484.651655	3013.31923	4105.07134	376.14722	7979.18944	70.5739478	442.914665	607.878728	56.8005995	1178.16794	2.07870955	12.7734293	17.3272498	1.58947697	33.7688656
513	3TLCA	NonEnzymeRegulator	1.79164042	9.81566235	27.1870389	9.95951155	48.7538532	270.414299	1473.15887	4150.28351	1508.00958	7401.86625	41.3416656	225.70523	626.662308	228.723263	1122.43247	1.18882384	6.46752019	17.8681777	6.4287871	31.9533088
514	1X1KF	NonEnzymeRegulator	9.2628914	10.4016316	7.70745635	10.4037267	37.7757061	1378.50466	1549.28101	1145.81627	1551.65382	5625.25576	212.736025	238.919187	176.926009	239.064182	867.645404	5.94625944	6.74683631	5.00251511	6.78154801	24.4771589
515	3MCWA	NonEnzymeRegulator	2.1378624	18.8709673	20.8284594	5.03274542	46.8700346	312.641321	2844.25881	3252.1098	790.390337	7199.40026	48.8062917	433.154128	480.8568	115.942264	1078.75948	1.38244932	12.1242494	13.4304843	3.16358598	30.100769
516	1O7IA	NonEnzymeRegulator	1.72157818	17.0070665	21.8267072	6.11001455	47.0878261	252.071204	2511.61452	3213.85759	902.600733	6941.77298	39.2464647	388.34482	498.209194	139.256593	1074.6349	1.1121262	10.8743179	13.8379055	3.81408848	29.8983588
517	2VZCA	NonEnzymeRegulator	1.2185726	13.7060033	24.2613148	10.4098468	49.5957375	184.681526	2061.57117	3660.30569	1602.30098	7508.85937	28.0756373	315.481808	558.255641	240.182307	1141.99539	0.81307707	9.04490107	15.9074582	6.79372402	32.5591603
518	1JX6A	NonEnzymeRegulator	1.27224105	15.95989	23.2909558	8.42199966	48.9450865	200.645402	2487.22497	3568.38155	1280.25478	7536.5067	29.5358186	369.706727	536.783509	193.741016	1129.76707	0.83796768	10.4904188	15.1539019	5.45630583	31.9385943
519	2X46A	NonEnzymeRegulator	1.4432827	14.3391177	25.5092524	5.762479	47.0541318	240.535786	2228.97026	3827.7987	840.279373	7137.58413	34.0177001	331.894782	585.499756	131.412011	1082.82425	0.99282908	9.45517935	16.4093477	3.62137644	30.4787326
520	3MEAA	NonEnzymeRegulator	3.06854446	15.4145253	23.7380728	6.29824186	48.5193844	477.987594	2397.59373	3648.72879	964.866108	7489.17622	71.0140541	356.891585	547.213242	145.201438	1120.32032	2.03537084	10.1923689	15.344136	4.06165684	31.6335325
521	4EI6B	NonEnzymeRegulator	3.43621089	18.5327631	19.6494032	7.40394241	49.0223196	544.04752	2852.64968	3103.39056	1206.29017	7706.37794	79.820026	428.581297	456.793098	173.073578	1138.268	2.26835848	12.2060825	13.0241638	4.90116125	32.399766

522	2QRLA	NonEnzymeRegulator	2.32929702	15.8139326	25.1899059	5.24681128	48.5799468	363.945214	2400.28114	3869.98206	810.022062	7444.23048	54.0393268	363.737742	580.32094	120.537555	1118.63556	1.55482606	10.2830887	16.3819145	3.31462899	31.5344582
523	2F01A	NonEnzymeRegulator	2.87913704	24.8875588	14.7588641	3.90803562	46.4335955	490.763746	3983.44408	2268.59162	579.84401	7322.64345	68.0436722	578.905136	339.489735	89.1471728	1075.58572	1.98552389	16.5357473	9.41568658	2.43569236	30.3726502
524	3G02A	NonEnzymeRegulator	1.77524447	13.847221	24.0024001	9.04835539	48.6732209	286.129259	2194.70553	3761.46092	1353.41349	7595.70919	41.4546915	322.189951	557.046463	207.538314	1128.22942	1.19964237	9.26826802	15.9303271	5.8595	32.2577375
525	3HYNA	NonEnzymeRegulator	2.43643592	13.8503296	26.2546938	6.48423247	49.0256918	374.795897	2162.99099	4054.47036	1003.51401	7595.77126	56.4095217	321.056365	605.878639	149.682465	1133.02699	1.64780235	9.1622792	17.0567272	4.20747846	32.0742872
526	3U9JA	NonEnzymeRegulator	2.96724982	18.0792812	18.7420451	10.9595561	50.7481321	473.956482	2820.78989	2826.06899	1672.95709	7793.77246	69.1178493	418.406883	430.813399	252.609805	1170.94794	1.97350195	11.8449193	12.2213803	7.11601108	33.1558126
527	1VQSA	NonEnzymeRegulator	1.9525828	16.848175	25.8891793	6.1615188	50.8514559	325.162365	2664.26347	4057.37774	1037.3204	8084.12397	45.8869613	390.810079	598.890515	144.502889	1180.09044	1.32296855	11.1327475	16.93171	3.992474	33.3799
528	2HC1A	NonEnzymeRegulator	2.9828865	14.9492456	21.9452957	9.80011825	49.6775461	460.644581	2356.96841	3413.62462	1494.82235	7726.05997	68.9258086	346.425356	507.2224	225.667229	1148.24079	1.94672372	9.74422255	14.2395981	6.33358829	32.2641327
529	3D4EA	NonEnzymeRegulator	2.68074344	13.2947925	23.2129343	9.45034702	48.6388173	401.639583	2027.47872	3515.77578	1383.8637	7328.75779	61.4015782	306.205487	533.432149	215.325484	1116.3647	1.71890377	8.69470842	15.0638453	5.9645999	31.4420574
530	2J8BA	NonEnzymeRegulator	2.54907901	6.89890613	24.5418139	14.104578	48.094377	394.203431	1079.07784	3751.47362	2108.20661	7332.9615	59.109889	160.903262	567.351819	323.897419	1111.26239	1.69549057	4.61272109	15.9585065	9.0171153	31.2838335
531	2NXVA	NonEnzymeRegulator	8.06363455	35.1870261	4.67185355	1.18040986	49.1029241	1268.28578	5600.63185	748.035408	176.421832	7793.37487	187.469993	817.165182	108.692948	27.2178313	1140.54595	5.36085617	22.9660864	3.05754418	0.7744888	32.1589755
532	3TG7A	NonEnzymeRegulator	8.36259423	23.812299	14.2918649	2.08336864	48.5501268	1319.79152	3693.02525	2201.24258	315.836715	7529.89606	194.175902	551.574645	329.802536	47.9480096	1123.50109	5.48866485	15.6646969	9.26215894	1.35624457	31.7717653
533	2IYVA	NonEnzymeRegulator	7.73232161	30.3408056	6.06537671	3.30613043	47.4446344	1122.37722	4588.68359	913.336369	494.583385	7118.98056	175.963147	694.282659	138.730602	75.4558952	1084.4323	4.9398006	19.1473286	3.81054163	2.06959609	29.9672669
534	3BLDA	NonEnzymeRegulator	2.32752439	16.915472	24.2486963	4.51865406	48.0103468	350.06039	2570.78463	3761.12117	719.133002	7401.0992	53.8416594	389.850678	560.071732	104.680941	1108.44501	1.55664528	11.0133394	15.6482752	2.91830695	31.1365668
535	3B0FA	NonEnzymeRegulator	0	10.3721458	22.9007613	15.6067662	48.8796734	0	1550.36259	3447.84543	2343.56315	7341.77116	0	238.169919	526.684779	359.150757	1124.00546	0	6.77867196	14.9013632	10.1624351	31.8424703
536	3IV4A	NonEnzymeRegulator	2.29251602	9.43439684	27.4602179	10.0989422	49.286073	369.950145	1507.99258	4225.65061	1543.04133	7646.63467	53.6806038	220.03406	633.945107	232.977972	1140.63774	1.57143361	6.35068472	17.9210267	6.55289475	32.3960398
537	3FO3A	NonEnzymeRegulator	4.13841507	28.0904497	13.1984829	2.19572924	47.6230768	656.602679	4438.5067	2037.74099	319.210333	7452.06071	96.306959	651.823833	304.715486	50.0270435	1102.87332	2.70410177	18.2740952	8.4850449	1.38211906	30.8453609
538	3NE8A	NonEnzymeRegulator	2.79143902	18.4350621	23.032568	4.15806665	48.4171357	416.394145	2801.09818	3479.76984	612.043734	7309.3059	63.9724921	423.254321	527.851903	94.8531502	1109.93187	1.82429091	11.8865843	14.6921303	2.65852318	31.0615287
539	3LHNA	NonEnzymeRegulator	2.88578692	22.8406824	18.9633688	3.26127244	47.9511105	431.453674	3443.46247	2828.23985	458.816808	7161.9728	66.3299367	525.093189	434.87014	73.9849177	1100.27818	1.91875437	15.01346	12.2577898	2.04004297	31.2300471
540	3T9WA	NonEnzymeRegulator	4.15361481	16.5784294	22.4297911	4.40043067	47.562266	682.046017	2646.46976	3480.50924	687.94102	7496.96603	97.4855234	386.171006	518.413023	101.75063	1103.82018	2.83002219	10.9501107	14.457636	2.80901938	31.0467882
541	2O60B	NonEnzymeRegulator	9.7542765	14.5974512	10.0919597	14.1577378	48.6014252	1445.51522	2180.10976	1523.23125	2085.29727	7234.15351	223.451679	335.255571	232.478309	324.653581	1115.83914	6.39463558	9.64204154	6.73054583	9.29652094	32.0637439
542	1EKQA	NonEnzymeRegulator	1.59301967	12.0059785	26.9924923	5.24348197	45.8349725	227.103484	1734.53868	3961.57512	763.7114	6686.92868	36.1742139	273.394307	615.426906	119.443301	1044.43873	1.0241982	7.71505536	17.1031087	3.30846259	29.1508248
543	3S6EA	NonEnzymeRegulator	2.21349874	16.2482098	23.6788913	5.09088976	47.2314896	344.468862	2463.60495	3638.00142	777.28146	7223.3567	51.3726728	374.02958	546.076974	117.163252	1088.64248	1.48791139	10.5485658	15.3549084	3.26439481	30.6557804
544	2PW0A	NonEnzymeRegulator	2.30285321	18.5197324	22.8719477	2.57319421	46.2677275	331.983914	2809.2154	3403.52543	389.749474	6934.47422	52.5135334	426.067603	523.452657	59.0618324	1061.09563	1.45477623	12.0326221	14.64468	1.65171668	29.7837951
545	3FEAA	NonEnzymeRegulator	0.62086378	13.8524484	29.2594726	5.31091216	49.6444464	94.679155	2077.72652	4439.78054	805.601561	7509.19778	14.3679209	319.226187	674.661977	122.466738	1144.56644	0.41609978	9.15515551	19.1384389	3.40667325	32.4947244
546	2V3GA	NonEnzymeRegulator	0.91566716	9.08783678	20.9368745	18.0312695	48.971648	149.493948	1495.88411	3361.45518	2836.08368	7842.91692	21.4247271	213.291218	488.168729	417.720681	1140.60536	0.61761104	6.19777459	13.9447032	11.7392975	32.4993864
547	1T1UA	NonEnzymeRegulator	2.402264	16.1644616	22.3214477	7.43692156	48.3250948	363.536685	2483.62893	3377.30353	1104.38777	7328.85691	55.4138205	373.197765	513.445661	170.138092	1112.19534	1.57097859	10.5395346	14.4270955	4.72488547	31.2624941
548	1GVJA	NonEnzymeRegulator	5.02739149	31.0602501	10.9549731	3.16753424	50.2101489	776.56654	4879.88869	1705.35996	497.134306	7858.94949	116.311882	720.099384	253.25916	73.3100685	1162.98049	3.36033463	20.4622393	7.13341872	2.03893383	32.9949265
549	1JEKA	NonEnzymeRegulator	10.7877204	13.3041234	11.6971553	11.4476057	47.2366048	1621.47178	1947.82531	1703.73581	1670.74581	6943.77871	248.254579	303.309096	265.501757	259.559792	1076.62522	6.9729357	8.42261946	7.23573052	6.99504499	29.6263307
550	2E4TA	NonEnzymeRegulator	2.83904462	14.8475701	23.2544255	7.12520553	48.0662458	457.807938	2286.88238	3597.07124	1088.6681	7430.42966	66.4033198	342.92201	537.261529	164.163959	1110.75082	1.92813622	9.76055257	15.192147	4.63301103	31.5138468
551	1MSOA	NonEnzymeRegulator	0	20.0682996	19.9493041	6.65732771	46.6749314	0	2866.311	2870.87928	979.761114	6716.95139	0	458.818188	457.03601	153.437241	1069.29144	0	12.8350689	12.7353689	4.26797191	29.8384097
552	2YZYA	NonEnzymeRegulator	0.31092293	15.1297597	27.0776138	7.98100715	50.4993036	48.9246231	2352.33249	4126.90788	1208.87841	7737.0434	7.20045204	349.791587	623.032276	183.370521	1163.39484	0.2049894	9.98258912	17.5988836	5.15868075	32.9451429

5534	4DJCB	NonEnzymeRegulator	4.16184242	16.0393927	16.3094977	15.8950946	52.4058275	660.188441	2484.7117	2498.18323	2406.39211	8049.47548	97.3124925	372.066546	377.740347	366.507367	1213.62675	2.80691044	10.5905727	10.7573488	10.3832694	34.5381013
5543	AIAA	NonEnzymeRegulator	1.56947877	10.6308499	24.4066524	13.0931343	49.7001153	255.882793	1634.15228	3715.93907	1927.91202	7533.88617	36.8982054	245.521518	561.536586	298.885546	1142.84185	1.09336246	7.00729923	15.8628494	8.31791027	32.2814214
5553	OM0A	NonEnzymeRegulator	1.74777699	14.2011891	21.3742462	10.865576	48.1887884	256.757361	2135.24419	3239.90982	1608.89581	7240.80719	39.9978355	326.197644	491.700073	248.414905	1106.31046	1.13204702	9.17747637	13.8066149	6.96933377	31.085472
5563	I3QA	NonEnzymeRegulator	1.19212203	6.52589614	25.1276989	15.1012104	47.9469274	182.440399	1019.37515	3944.50713	2338.53442	7484.8571	27.4696673	151.14378	582.360008	348.539914	1109.51337	0.77866245	4.2931471	16.4551391	9.78150352	31.3084522
5573	OMDA	NonEnzymeRegulator	2.09460214	13.5851166	25.0923185	8.96116019	49.7331974	328.419413	2138.81231	3940.79453	1440.36352	7848.38978	48.309447	314.538332	580.361386	208.389888	1151.59905	1.34134429	8.85485079	16.2791306	5.87238881	32.3477145
5583	K1UA	NonEnzymeRegulator	1.4903361	9.45858659	24.3541402	14.003396	49.306459	236.918189	1513.77224	3869.47895	2169.39559	7789.56497	34.650843	220.51358	565.849209	323.244788	1144.25842	0.98372372	6.32921718	16.0906913	9.04499171	32.448624
5592	UYTA	NonEnzymeRegulator	1.57945559	11.8524372	24.304295	9.76498295	47.5011708	244.771918	1814.84315	3698.12377	1465.33597	7223.07481	36.4633544	273.214003	559.080164	224.056101	1092.81362	1.02714032	7.70484992	15.6713341	6.24586616	30.6491905
5603	ESSA	NonEnzymeRegulator	2.86196332	19.042043	21.5057759	4.32571653	47.7354988	452.208318	2936.6319	3284.70365	650.393779	7323.93765	66.4650743	439.457959	494.712657	98.968159	1099.60385	1.888455	12.3610023	13.7830276	2.72125676	30.7537417
5613	B0XA	NonEnzymeRegulator	2.36589194	11.4082965	21.4338383	13.584452	48.7924787	361.194082	1737.00226	3249.13859	2066.74653	7414.08147	54.3424145	262.175426	492.18522	312.201358	1120.90442	1.51617782	7.34367984	13.8061493	8.76734011	31.4333471
5622	JCBA	NonEnzymeRegulator	1.97106852	18.1674273	27.6419835	2.3529334	50.1334127	280.508011	2741.00081	4198.43886	391.829008	7611.77669	44.758561	418.102164	635.563805	54.8661001	1153.29063	1.27105315	11.8378267	17.7932278	1.49328748	32.3953951
5632	PIEA	NonEnzymeRegulator	3.12937527	31.8082281	12.7510613	1.26262486	48.9512895	496.721044	4950.55684	1958.17017	194.826761	7600.27482	72.8403701	736.039749	294.346236	29.2084661	1132.43482	2.09268051	20.7803335	8.26927146	0.79900267	31.9412882
5643	CIJA	NonEnzymeRegulator	2.68058947	15.75713	24.3113283	6.4818983	49.2309461	401.289782	2376.32333	3682.98344	987.416451	7448.013	61.7003026	362.84576	559.52749	149.140843	1133.2144	1.73514584	10.3366822	15.8557633	4.1774578	32.1050491
5651	ROCA	NonEnzymeRegulator	3.26727776	20.336756	17.0523505	8.08561714	48.7420014	498.336527	3112.9384	2569.12507	1204.66112	7385.06112	75.3643667	469.109173	391.717544	185.184922	1121.37601	2.16526516	13.3484877	11.0557592	5.1771442	31.7466563
5661	UCSA	NonEnzymeRegulator	0.7400058	14.6675158	26.5402189	5.07811972	47.0258602	102.593546	2042.4479	3746.59983	721.201252	6612.84253	16.8314347	333.621081	603.553632	115.605923	1069.61207	0.48093413	9.4422868	16.9710256	3.22324513	30.1174917
5673	Q64A	NonEnzymeRegulator	0.61861058	25.5818709	18.9668783	3.02601106	48.1933709	91.482011	3974.18734	2927.94836	453.218881	7446.83659	14.1234868	591.320725	437.470631	69.2498902	1112.16473	0.40000396	16.7734495	12.3364079	1.91165565	31.421517
5684	A3PA	NonEnzymeRegulator	5.17189917	22.1151316	17.11248	5.9804586	50.3799694	802.688009	3319.73378	2656.72677	946.184972	7725.33353	119.512817	507.816826	396.022689	138.957717	1162.31005	3.40537235	14.3959223	11.2426369	3.91283526	32.9567668
5692	C1VA	NonEnzymeRegulator	2.29737695	16.9276623	20.7580163	6.46087021	46.4439257	352.396338	2600.52424	3102.68564	943.61755	6999.22377	52.9918268	390.584749	476.479916	147.569156	1067.62565	1.48291445	11.0161465	13.3946594	4.10978544	30.0035059
5701	EB6A	NonEnzymeRegulator	2.34337937	10.2422201	22.1779619	10.8076959	45.5712573	356.517509	1528.33697	3293.34838	1592.46944	6770.6723	53.8778179	234.450027	508.101078	247.367691	1043.79661	1.50731475	6.51158592	14.1427864	6.84079238	29.0024794
5712	JKHL	NonEnzymeRegulator	6.48234337	16.3249398	15.7564937	6.70025655	45.2640335	961.158151	2406.95146	2300.53027	1013.68748	6682.32737	149.647322	374.889824	360.775278	152.970768	1038.28319	4.16344073	10.4306756	10.040683	4.10784439	28.7426437
5723	DG6A	NonEnzymeRegulator	1.86497852	10.9586385	22.4072133	12.3408663	47.5716967	271.542692	1660.47669	3401.49148	1856.30024	7189.81111	42.5488446	252.077023	515.054908	282.793536	1092.47431	1.17848353	7.06175113	14.4203791	7.85483377	30.5154475
5733	TKFA	NonEnzymeRegulator	2.22288679	16.0444656	22.4372356	7.81253835	48.5171263	313.180941	2354.37429	3328.52182	1145.64199	7141.71904	50.4705463	366.841507	513.794232	178.256973	1109.36326	1.41955702	10.4089678	14.5230795	4.9625891	31.3141934
5743	PVEA	NonEnzymeRegulator	1.69463996	12.0101542	28.7739469	5.55168622	48.0304272	261.186893	1853.0403	4438.7486	857.404267	7410.38006	39.192194	277.608886	663.280987	128.113692	1108.19576	1.13542387	7.95544681	18.6969212	3.61032503	31.3981169
5753	PSMA	NonEnzymeRegulator	3.04615084	19.3907271	20.4364576	5.07534004	47.9486756	500.771375	3089.6351	3271.92636	769.203296	7631.53614	71.4470617	450.912605	475.653313	116.753815	1114.76679	1.99446395	12.4857407	13.1865952	3.16100873	30.8278086
5761	LQTA	NonEnzymeRegulator	2.87238306	14.7735715	24.5700071	5.36111633	47.577078	456.200559	2259.2769	3700.0934	795.191787	7210.76265	66.5883209	340.103383	562.995247	122.496383	1092.18333	1.88177063	9.60795011	15.6990448	3.36954692	30.5583125
5772	B9DA	NonEnzymeRegulator	1.78856021	19.5458797	17.7862181	9.45511049	48.5757685	255.730456	2824.91481	2612.32443	1410.2671	7103.2368	40.7157828	445.940901	407.067614	216.578533	1110.30283	1.14535764	12.5133995	11.346518	5.97041852	30.9756936
5781	CC8A	NonEnzymeRegulator	0	17.3684546	27.9175527	3.88028703	49.1662943	0	2576.67014	4085.19583	547.848037	7209.71401	0	398.015481	638.168245	88.3223027	1124.50603	0	11.3387731	18.0370207	2.47178315	31.847577
5791	R9LA	NonEnzymeRegulator	3.69434915	19.276232	20.9659757	3.34888248	47.2854393	594.858199	2986.725	3193.07223	489.863949	7264.51938	86.3530655	446.409722	482.626575	76.4051034	1091.79447	2.46833186	12.6570937	13.6421542	2.15257016	30.9201499
5802	X3MA	NonEnzymeRegulator	1.16298325	17.0165897	17.919656	13.5695368	49.6687657	171.125679	2624.59034	2788.02335	2095.7582	7679.49756	26.7433269	392.918647	414.790388	313.915714	1148.36808	0.75501849	11.0643878	11.7519406	8.88364252	32.4549894
5813	VA4A	NonEnzymeRegulator	0	17.703239	23.3681837	7.22790683	48.2993295	0	2700.65335	3559.24146	1133.72027	7393.61509	0	407.376714	537.202311	167.523313	1112.10234	0	11.4960558	15.0867907	4.72277744	31.3056239
5822	D3DA	NonEnzymeRegulator	0	8.20830549	28.6419053	13.9215987	50.7718094	0	1268.97	4342.49899	2076.38112	7687.85011	0	189.908339	658.887655	318.408446	1167.20444	0	5.50427699	18.7582916	8.91311794	33.1756866
5832	F22A	NonEnzymeRegulator	1.40475594	13.9280155	17.2369299	17.0976215	49.6673228	215.964101	2121.77483	2650.05891	2608.58184	7596.37968	32.3017363	319.99915	397.275085	393.858595	1143.43457	0.90067496	8.95362405	11.248909	11.1998336	32.3030416

5843	G36A	NonEnzymeRegulator	2.85145058	16.1786979	17.0385873	13.1624439	49.2311797	411.491049	2403.16619	2561.15614	1951.33212	7327.14551	64.991483	370.955778	391.37467	301.045114	1128.36705	1.8671595	10.6076	11.1069409	8.46293298	32.0446334
5853	GP6A	NonEnzymeRegulator	1.88445016	17.3278725	22.4218117	8.07312683	49.7072612	305.915262	2856.41662	3752.34782	1339.44864	8254.12835	44.212314	407.726394	527.893144	189.777729	1169.60958	1.28792716	11.8878547	15.1260452	5.39164907	33.6934761
5861	KQ6A	NonEnzymeRegulator	2.63753173	22.2753387	20.8285657	4.71489609	50.4563323	422.165879	3495.61657	3269.87142	692.912491	7880.56636	61.5748645	516.453605	482.425719	107.439052	1167.89324	1.76804845	14.7296109	13.6509127	2.95341194	33.101984
5872	CZSA	NonEnzymeRegulator	0.68984897	14.5159797	20.9103577	13.1018267	49.2180131	106.695539	2287.15896	3325.73013	2061.989	7781.57362	16.0475541	336.7088	485.717467	303.549988	1142.02381	0.45002795	9.48169731	13.6841086	8.53729443	32.1531283
5883	ON9A	NonEnzymeRegulator	2.44449403	11.6318203	23.0805317	9.88850199	47.0453479	377.083066	1716.85446	3405.26816	1453.42971	6952.63539	56.7336828	266.66863	528.810855	226.134796	1078.34796	1.64770295	7.56486853	14.8029433	6.25595647	30.2714712
5891	W66A	NonEnzymeRegulator	1.46380599	10.1130321	24.5055214	10.6239218	46.7062812	222.662045	1541.89335	3704.57053	1571.98996	7041.11588	33.6947578	232.319509	561.864731	242.302052	1070.18105	0.96524349	6.51650689	15.6668865	6.69427606	29.8429129
5903	G3KA	NonEnzymeRegulator	1.66909058	15.2029257	23.8579789	8.55985884	49.289854	252.009486	2283.38163	3670.89516	1285.54897	7491.83525	38.5429323	349.808587	550.770976	196.488337	1135.61083	1.10678875	9.96552777	15.5790677	5.51187269	32.1632569
5912	XQQA	NonEnzymeRegulator	0.60713598	9.71465815	20.5543518	18.7168589	49.5930047	98.0802341	1508.34049	3153.1201	2937.33986	7696.88068	14.2090917	225.535947	475.635027	434.220114	1149.60018	0.41845556	6.5002899	13.5470197	12.2732976	32.7390628
5922	VH3A	NonEnzymeRegulator	1.8037525	18.4907435	22.1916262	5.06577978	47.551902	279.091791	2802.16204	3319.04138	753.767043	7154.06226	41.7802351	426.103802	509.70892	116.160946	1093.7539	1.20149477	12.1809726	14.3268316	3.25846327	30.9677622
5932	R2ZA	NonEnzymeRegulator	0.60588846	14.6572769	22.2423215	11.3095004	48.8149873	89.7190528	2199.37542	3363.31562	1679.60979	7332.01989	13.8540457	336.4654	511.697017	259.118159	1121.13462	0.39368324	9.552944	14.4766652	7.23130381	31.6545962
5943	FDEA	NonEnzymeRegulator	4.42483241	28.3820087	13.7737429	2.08544918	48.6660332	699.383865	4530.03394	2166.98956	302.555673	7698.96303	102.387299	659.143175	318.414014	47.4254316	1127.36992	2.86079621	18.4500656	8.87147397	1.3125573	31.494893
5953	TK2A	NonEnzymeRegulator	2.10652603	17.0911803	25.5249556	4.40368349	49.1263454	348.122104	2708.39289	3966.12091	672.122435	7694.75834	49.5395668	397.702146	590.432242	101.381855	1139.05581	1.43878859	11.4324619	16.7164457	2.85549994	32.4431961
5961	Y6XA	NonEnzymeRegulator	4.18164736	11.184984	24.612292	8.25494426	48.2338676	659.385452	1669.95698	3677.73989	1251.63537	7258.7177	97.1660309	256.2887	562.872942	189.310671	1105.63834	2.81216172	7.27385797	15.6946588	5.23913924	31.0198177
5971	J34C	NonEnzymeRegulator	2.08323209	13.9016052	21.2512243	13.2977522	50.5338138	333.702575	2201.78503	3413.27195	2129.79317	8078.55272	48.5293112	323.336586	495.613713	310.263721	1177.74333	1.3704088	9.09320335	14.0638182	8.93268269	33.4601131
5982	WWXB	NonEnzymeRegulator	6.43373079	21.5211033	17.889911	2.4953518	48.3400968	964.283236	3208.70943	2647.53916	371.853942	7192.38576	148.17541	494.027223	408.956866	56.8832153	1108.04271	4.24483399	13.9719473	11.3829835	1.55433442	31.1540992
5993	B79A	NonEnzymeRegulator	3.07233346	15.2270731	25.4128166	4.54828812	48.2605113	447.516318	2253.96887	3697.36594	653.631449	7052.48258	70.2145447	348.724453	578.811628	103.253451	1101.00408	2.00866177	9.93439326	16.2421838	2.85125086	31.0364897
6002	FGQX	NonEnzymeRegulator	2.82402861	15.6183647	24.6734684	3.31213144	46.4279932	431.97468	2373.27672	3770.6163	484.765389	7060.63309	65.1234361	359.192699	567.660756	75.4564938	1067.43338	1.83558201	10.1151944	15.9536804	2.09635081	30.0008076
6011	ES9A	NonEnzymeRegulator	2.28053837	14.0138016	27.4891382	4.83172964	48.6152077	356.753117	2157.28717	4312.84464	755.954554	7582.83948	52.8877693	322.847533	635.248076	111.613717	1122.5971	1.53251677	9.09550084	17.7345741	3.07889152	31.4414832
6023	OFGA	NonEnzymeRegulator	3.31897857	24.5072308	14.5908732	7.10444655	49.5215292	518.104295	3829.02056	2268.45665	1075.2757	7690.8572	77.0601162	568.037397	337.083025	163.04446	1145.225	2.25306176	16.3251782	9.47338576	4.50424558	32.5558713
6032	YLBA	NonEnzymeRegulator	0	9.96049678	26.2707075	13.5366684	49.7678727	0	1467.61629	3964.53947	2069.63449	7501.79025	0	227.559345	603.440775	311.642699	1142.64282	0	6.45529481	17.0761033	8.80138376	32.3327819
6041	Z2UA	NonEnzymeRegulator	3.83294416	21.2789859	21.0452239	2.68536357	48.8425176	562.228355	3286.26306	3304.01097	418.554936	7571.05732	87.8214078	492.333093	487.589271	62.0601925	1129.80396	2.53095037	14.0236354	13.7592394	1.7123931	32.0262183
6053	QX1A	NonEnzymeRegulator	0.61678844	29.5255509	18.5506221	2.41446743	51.1074289	96.130241	4586.65132	2852.76736	352.928941	7888.47786	14.3044686	682.186393	427.608125	55.2980048	1179.39699	0.41837419	19.4760432	12.1382638	1.54803504	33.5807162
6061	JOVA	NonEnzymeRegulator	1.63515478	10.9622916	25.4537047	10.8678089	48.91896	256.525523	1729.0385	3967.33449	1650.47165	7603.37015	37.9453924	254.590036	588.690712	249.948738	1131.17488	1.08973154	7.26707736	16.6166492	7.00313812	31.9765962
6073	CKMA	NonEnzymeRegulator	1.74983903	14.4811772	21.8781758	9.25070472	47.3598968	263.462775	2227.88165	3322.67667	1357.04517	7171.06626	40.1972097	334.160547	503.440596	211.279163	1089.07752	1.12771966	9.44255734	14.2058812	5.91486584	30.6910241
6083	C8WA	NonEnzymeRegulator	4.93339993	32.0963123	10.1851081	1.4016374	48.6164577	768.862164	4880.5993	1559.81973	197.91365	7407.19484	114.363901	739.15654	234.757115	31.7006044	1119.97816	3.30248631	21.0930931	6.62438437	0.87128087	31.8912447
6093	FMYA	NonEnzymeRegulator	0	10.0071071	26.673232	12.7243507	49.4046897	0	1508.06421	4008.06392	1898.65676	7414.78489	0	229.507309	611.029927	290.979713	1131.51695	0	6.5007344	17.1736373	8.10409923	31.7784709
6103	M1XA	NonEnzymeRegulator	3.01084828	12.8136111	27.3397134	3.28971161	46.4538844	429.753949	1869.57818	4036.49651	462.634454	6798.46309	68.6096028	293.265108	626.034918	74.7073754	1062.617	1.92259122	8.28575639	17.6888406	2.11440396	30.0115921
6111	UFYA	NonEnzymeRegulator	2.88534041	14.6601463	26.9662818	4.22074987	48.7325184	433.483546	2209.58642	4054.77254	623.862262	7321.70477	66.071001	336.078047	617.407688	96.3168749	1115.87361	1.86318776	9.44724284	17.0822778	2.64414074	31.0368492
6123	H5JA	NonEnzymeRegulator	1.44815652	11.222294	26.5224756	8.75467675	47.9476029	219.821708	1744.80644	4133.02085	1360.09462	7457.74362	33.3533381	259.482136	612.78967	202.02644	1107.65158	0.9640418	7.40326249	17.3742268	5.71005007	31.4515812
6133	U7ZA	NonEnzymeRegulator	1.04405506	17.5800771	21.3627903	7.23699261	47.2239151	160.269925	2589.35057	3197.01063	1095.11926	7041.75039	24.0999541	402.376626	490.028838	166.142136	1082.64755	0.69720088	11.4121892	13.7608864	4.60574579	30.4760222
6141	JFBA	NonEnzymeRegulator	1.34583716	10.8552214	26.1503614	9.67751526	48.0289352	197.48466	1640.02894	3939.93188	1419.68955	7197.13504	30.8706606	249.482912	600.469748	221.074024	1101.89734	0.86854698	7.03537661	16.8687725	6.20379913	30.9764952

6152	2QSKA	NonEnzymeRegulator	1.96241014	16.5176341	19.0349232	6.03867344	43.5536409	325.069414	2591.62463	2924.34426	912.816147	6753.85445	46.3905243	382.734862	438.806017	138.919567	1006.85097	1.31524697	10.5707064	11.8688755	3.74909622	27.5039251
6162	W39A	NonEnzymeRegulator	1.79999	12.2534385	23.4059547	8.39686665	45.8562499	280.107115	1965.16446	3669.40415	1268.76464	7183.44037	41.6593661	285.651099	542.417745	193.021923	1062.75013	1.18769019	8.1119235	15.2052527	5.34121351	29.8460799
6173	CIMA	NonEnzymeRegulator	2.07290092	12.7813622	22.409558	8.98695827	46.2507794	299.121032	1845.75158	3278.39103	1360.33531	6783.59896	47.3007786	290.841396	510.177519	205.841525	1054.16122	1.34114341	8.12004844	14.0945301	5.65943996	29.2151619
6182	F5TX	NonEnzymeRegulator	1.88145041	13.1708844	23.7001951	10.4576266	49.2101564	289.108054	1991.769	3592.60832	1591.42556	7464.91093	43.521905	303.36356	545.404617	240.37609	1132.66617	1.2479488	8.66748551	15.4860428	6.72144943	32.1229266
6193	BS4A	NonEnzymeRegulator	3.54837699	19.1247852	26.5960802	1.53763822	50.8068806	576.540158	2972.0557	4118.38902	226.871482	7893.85636	83.2578153	442.1799	614.413936	35.0106163	1174.86227	2.45160242	12.6380306	17.4075723	0.96297216	33.4601775
6203	ILWA	NonEnzymeRegulator	8.51681109	24.0912327	9.79374128	6.14223865	48.5440238	1311.69114	3669.85884	1432.44721	887.511682	7301.50887	196.400789	553.756577	222.956926	139.296879	1112.41117	5.50522256	15.3913728	6.1970879	3.85036184	30.9440451
6213	CXNA	NonEnzymeRegulator	1.67497458	15.8406977	21.4050007	9.80821429	48.7288873	261.49545	2416.74742	3163.96294	1447.28366	7289.48948	38.7917735	364.852484	489.89837	224.335682	1117.87831	1.10242556	10.3551703	13.8561079	6.29729971	31.6110034
6221	PZ4A	NonEnzymeRegulator	0.46484003	22.355075	21.3314974	4.64199445	48.7934069	76.3406928	3348.28966	3117.87015	687.575863	7230.07637	10.9243581	514.446929	487.434695	106.088809	1118.89479	0.31802797	14.7089191	13.6770798	2.89583028	31.5998572
6231	KKOA	NonEnzymeRegulator	1.72863044	14.3212009	19.9699987	11.8137494	47.8335794	259.713627	2177.52314	3024.41228	1779.82961	7241.47866	39.6985388	329.728817	459.159891	270.888453	1099.4757	1.11695437	9.27804535	12.9586881	7.61377827	30.9674661
6243	B0SA	NonEnzymeRegulator	7.25177965	11.6891823	8.72752878	11.5811387	39.2496295	1081.39658	1747.72324	1302.93784	1727.12055	5859.17821	166.665463	268.864861	200.650717	266.166449	902.34749	4.64084725	7.50934258	5.59455294	7.41330502	25.1580478
6253	KEOA	NonEnzymeRegulator	0.48353411	15.8969905	21.4426683	10.666448	48.4896408	71.2312818	2403.32943	3181.26052	1619.0162	7274.83744	11.0768132	365.801005	491.355624	245.240289	1113.47373	0.31965213	10.3703819	13.8968702	6.88225184	31.4691561
6263	COVA	NonEnzymeRegulator	1.55435811	13.64035	22.1131056	9.30550068	46.6133145	234.676947	2064.00956	3286.73742	1378.17385	6963.59778	35.7787399	313.343216	505.604817	212.192639	1066.91941	1.01807975	8.82966162	14.1012421	5.84076748	29.789751
6272	OPLA	NonEnzymeRegulator	2.83120039	10.0268234	21.9660913	12.9825176	47.8066327	413.276618	1538.17082	3326.70661	1902.32973	7180.48379	64.7879331	231.259193	504.246673	296.071798	1096.3656	1.85324804	6.56935101	14.1125871	8.27439449	30.8095807
6283	QPAA	NonEnzymeRegulator	2.10261003	12.170371	24.4302939	7.45780971	46.1610846	321.205534	1842.65279	3665.02232	1086.10231	6914.98296	48.4527077	279.793604	559.554027	169.894868	1057.69521	1.3876585	7.94301909	15.576378	4.70547769	29.6125333
6291	DG6A	NonEnzymeRegulator	5.39306156	26.8225356	14.2459729	3.25741342	49.7189835	849.291157	4233.5717	2225.17842	488.284849	7796.32613	125.408744	623.220834	329.987531	74.6404828	1153.25759	3.60366911	17.7647731	9.33683312	2.05696968	32.762245
6301	H97A	NonEnzymeRegulator	0.68052717	12.9976631	24.1638609	10.8282269	48.6702781	100.913513	2003.87253	3672.62476	1603.78135	7381.19216	15.5733952	300.764406	556.219343	247.467546	1120.02469	0.44119254	8.60300743	15.7047028	6.87995123	31.628854
6312	GKGA	NonEnzymeRegulator	2.4125903	11.3395866	26.4525111	7.55762452	47.7623126	342.222435	1626.82608	3894.69283	1155.46307	7019.20442	54.807906	257.875988	602.909276	173.669243	1089.26241	1.58054435	7.29912803	16.750852	4.84994793	30.4804723
6323	DLCA	NonEnzymeRegulator	4.98113074	34.2163095	8.24588304	1.20775566	48.6510789	762.685866	5207.68934	1224.51625	169.128145	7364.0196	114.882142	787.289035	188.398887	27.2803301	1117.85039	3.29955471	22.3012154	5.24079583	0.73666646	31.5782324
6334	H4NA	NonEnzymeRegulator	3.22417585	16.0970949	20.7336351	8.38188888	49.1032246	469.355317	2406.21569	3161.89351	1258.5728	7385.47725	73.4302709	369.279904	477.909388	192.652554	1128.30966	2.0789777	10.5149579	13.5645858	5.44792599	32.0124985
6343	TDUC	NonEnzymeRegulator	1.39214142	20.5488431	22.8925039	6.70295024	51.5364387	200.610736	3015.57261	3425.88001	1000.59632	7642.65967	31.72055	469.493021	524.939238	153.174507	1179.32732	0.90603436	13.2879247	14.7937483	4.23129465	33.2190021
6353	RO3A	NonEnzymeRegulator	3.30914066	18.9800598	20.3527333	5.98603245	48.6279662	514.036531	2942.96803	3180.04113	941.132846	7578.17853	76.6716015	438.91623	470.35644	138.434522	1124.37879	2.17366165	12.4689781	13.1887267	3.81962505	31.6509915
6362	Y71A	NonEnzymeRegulator	1.73957671	7.83295028	26.0155145	11.6623655	47.250407	251.046733	1150.83027	3908.3214	1786.22691	7096.42532	39.5545683	178.67478	595.981949	268.017339	1082.22864	1.1200523	5.02952609	16.7079314	7.43762782	30.2951376
6373	D59A	NonEnzymeRegulator	1.76129654	11.2583443	24.3892844	11.4148601	48.8237853	277.795729	1750.41542	3779.22564	1733.62293	7541.05973	40.8368364	260.434404	563.852578	262.708069	1127.83189	1.16561994	7.41147008	15.9967015	7.39299636	31.9667879
6382	HWNE	NonEnzymeRegulator	8.01981407	15.5680922	10.4396945	15.6207583	49.6483591	1184.45067	2295.75073	1571.99911	2323.71428	7375.91479	184.410058	357.307739	241.318571	359.816761	1142.85313	5.29182796	10.1572609	6.88143311	10.1350721	32.465594
6391	WMHB	NonEnzymeRegulator	0.63620361	10.5023	25.2866662	12.7633284	49.1884982	96.1055429	1612.99548	3905.12828	1918.87211	7533.1014	14.6070561	241.806955	582.34002	292.109363	1130.86339	0.41869738	6.86668425	16.3563052	8.14221452	31.7839013
6403	MR0A	NonEnzymeRegulator	8.62659291	31.6562957	7.1962829	2.93665493	50.4158264	1429.04436	5082.99062	1140.54534	453.778827	8106.35915	202.06668	735.382415	166.603889	67.218195	1171.27118	5.75544503	20.6469803	4.61452491	1.81183558	32.8287859
6413	C68A	NonEnzymeRegulator	3.56675084	20.8691492	20.6039762	3.49501863	48.5348949	584.579208	3330.4178	3127.5292	524.818753	7567.34497	83.4444283	485.798321	474.081672	80.1227937	1123.44722	2.38039811	13.8246618	13.3090878	2.2506762	31.764824
6421	VK1A	NonEnzymeRegulator	1.36426349	9.87181742	20.6690007	17.5703237	49.4754053	220.777054	1549.03735	3113.46777	2607.67205	7490.95422	31.8386684	228.889784	475.751519	402.81636	1139.29633	0.90709903	6.51884752	13.5906827	11.4542111	32.4708404
6433	ZUCA	NonEnzymeRegulator	1.33823482	15.0431647	21.0563567	9.85430142	47.2920576	215.068291	2448.70445	3264.06904	1464.91886	7392.76064	31.2849798	352.504566	487.232878	225.58184	1096.60426	0.90932648	10.2179568	13.8220032	6.22911572	31.1784022
6443	GOCA	NonEnzymeRegulator	2.13380746	13.3113059	22.7716837	8.11584212	46.3326392	316.388061	1993.72339	3426.395	1223.90239	6960.40883	48.8466145	304.641839	521.927359	185.811613	1061.22743	1.37891521	8.53435872	14.5869139	5.12361324	29.623801
6451	MFWA	NonEnzymeRegulator	2.02006319	16.9726373	25.9746002	4.4326913	49.399992	331.650791	2585.00396	3971.61743	638.505472	7526.77765	47.4391167	390.956971	597.937	100.574863	1136.90795	1.37336787	11.1243379	16.8400445	2.77418812	32.1119384

646	2H7ZA	NonEnzymeRegulator	3.77286677	22.5955733	15.415705	4.85061009	47.183844	582.485885	3479.4194	2377.51319	736.335816	7256.56648	87.4436777	523.079082	355.712281	111.834788	1090.60986	2.45310772	14.585577	9.8387299	3.12710023	30.3530855
647	2HO2A	NonEnzymeRegulator	3.35228576	17.6564257	20.8315875	8.39650887	50.2368079	608.020768	3111.78468	3503.5838	1345.26636	8568.65561	80.8789248	422.286583	490.521215	195.305042	1188.99177	2.38597224	12.3168377	14.0707994	5.48143035	34.2550397
648	3F14A	NonEnzymeRegulator	1.65205714	26.3189467	17.7984225	2.89932315	48.6687495	263.423732	4073.48178	2706.48518	441.586407	7484.9771	38.5049736	609.669635	409.916705	66.7792569	1124.87057	1.09948459	17.4254293	11.5669284	1.8697838	31.9616261
649	2FAOA	NonEnzymeRegulator	1.4266772	11.2246705	24.5365635	11.5974113	48.7853225	221.362446	1752.1968	3781.43048	1765.46784	7520.45757	32.9054699	259.333916	565.194348	266.042547	1123.47628	0.92307034	7.3215527	15.8703865	7.36861366	31.4836232
650	1XQOA	NonEnzymeRegulator	1.00241378	12.7913152	25.8156975	10.485853	50.0952796	152.414137	1981.95852	3987.17132	1615.24528	7736.78926	23.1169274	295.505478	595.514311	241.616428	1155.75314	0.66616437	8.39403588	16.7972574	6.7939575	32.6514151
651	2I49A	NonEnzymeRegulator	1.88356267	13.8933395	26.6729226	5.57005015	48.0198749	301.090388	2214.31839	4070.05579	844.561987	7430.02656	43.9686457	323.604506	614.741532	128.259313	1110.574	1.25797301	9.28611241	17.4026602	3.61183693	31.5585826
652	1WERA	NonEnzymeRegulator	5.16729008	22.9326094	17.7019341	3.35181508	49.1536486	775.980018	3444.64787	2619.12789	483.264363	7323.02014	118.880365	526.485977	404.904228	76.1845671	1126.45514	3.37490719	14.8534387	11.3051714	2.1039493	31.6374666
653	1L9XA	NonEnzymeRegulator	1.95548525	10.8693575	25.1438065	11.0831717	49.0518209	312.391193	1698.96231	3883.71444	1673.56917	7568.63711	45.7121795	252.48914	581.724186	255.031267	1134.95677	1.3338286	7.2781927	16.6317985	7.21044147	32.4542612
654	3T94A	NonEnzymeRegulator	1.91183606	12.5176669	26.0393913	7.69505568	48.16395	281.756004	1903.29895	3908.72953	1164.02313	7257.80762	43.8050448	288.753444	598.15062	176.951793	1107.6609	1.25358592	8.21762801	16.8283081	4.98574642	31.2852684
655	3CT6A	NonEnzymeRegulator	2.6206645	21.662342	21.6419123	1.4608723	47.3857911	392.148985	3154.10936	3148.49531	260.005251	6954.7589	60.2683129	494.426227	493.478483	34.6434535	1082.81648	1.75532828	13.9482288	13.7871819	0.92944931	30.4201882
656	3BEXA	NonEnzymeRegulator	2.54068639	17.6784436	22.1642445	5.70528679	48.0886613	367.829817	2680.32191	3378.86475	862.054319	7289.07079	57.9005053	406.919755	510.837642	131.252467	1106.91037	1.61841464	11.5924373	14.5088329	3.70241403	31.4220988
657	3IFNP	NonEnzymeRegulator	0	17.9443926	17.5031633	16.8634577	52.3110136	0	3111.60435	3001.6628	2829.72326	8942.99041	0	424.057565	412.512444	395.377573	1231.94758	0	11.8044003	11.3997071	10.8882906	34.092398
658	3OE3A	NonEnzymeRegulator	0.6035776	17.500467	24.6207766	5.33307483	48.057896	90.6782655	2620.33366	3612.01856	773.843446	7096.87393	13.8941013	402.331581	563.247555	121.517213	1100.99045	0.40034869	11.461204	15.8115194	3.32383331	30.9969055
659	2COVD	NonEnzymeRegulator	3.3008926	19.4859326	20.8576073	5.08106266	48.7254951	537.70986	3046.3813	3223.49467	804.025349	7611.61117	77.1881454	452.043122	482.648146	117.85527	1129.73468	2.19880226	12.8675484	13.5907178	3.2637149	31.9207833
660	3ITQA	NonEnzymeRegulator	2.26600072	12.7063836	26.4181311	7.49186237	48.8823778	352.66409	1988.05608	4006.23718	1114.80497	7461.76233	52.4912877	294.197443	607.154308	171.26861	1125.11165	1.51133609	8.35706337	17.0475227	4.73322148	31.6491437
661	4A6RA	NonEnzymeRegulator	2.33057949	14.4821469	23.6878731	7.6476807	48.1482801	361.365506	2254.50601	3708.51191	1185.2888	7509.67223	54.0017282	335.597857	549.112284	176.656035	1115.3679	1.53804769	9.55243268	15.5666097	4.96879477	31.6258849
662	3F43A	NonEnzymeRegulator	0.88350888	12.8026293	28.5839169	7.30277916	49.5728342	135.0676	1924.75477	4338.48387	1147.21964	7545.52588	20.4482056	294.466812	657.820659	168.665389	1141.40107	0.60349354	8.53845693	18.693611	4.64107542	32.4766369
663	2X5XA	NonEnzymeRegulator	2.09767693	13.4606811	26.2572459	3.98094384	45.7965478	320.567691	2068.93434	4036.41479	643.078029	7068.99485	48.3277174	311.087714	606.997027	93.2957181	1059.70818	1.36007329	8.81481327	17.1383145	2.68408897	29.99729
664	1XYIA	NonEnzymeRegulator	0.78866238	20.3912411	20.8376821	7.68956922	49.7071549	132.004872	3111.56248	3109.54431	1153.29945	7506.41111	18.5981188	469.826923	477.256737	175.928121	1141.6099	0.54560219	13.3943508	13.3508726	4.85875797	32.1495835
665	2ZHJA	NonEnzymeRegulator	2.81651953	16.2560905	19.9675989	10.0046976	49.0449065	412.097964	2415.08412	3002.58456	1498.53201	7328.29866	64.3440223	372.583053	458.01319	229.144457	1124.08472	1.80081473	10.450714	12.789951	6.37026539	31.4117451
666	1LKKA	NonEnzymeRegulator	2.94919316	16.3773367	23.0360909	6.71749107	49.0801119	473.324836	2606.13271	3588.4311	1031.29526	7699.1839	68.7031647	380.111003	532.147685	154.762163	1135.72402	1.98740129	10.7671752	14.8807799	4.3140111	31.9493675
667	3PPLA	NonEnzymeRegulator	3.47479189	19.9543637	18.8243156	5.24338216	47.4968533	567.425626	3057.90261	2863.29138	802.007907	7290.62752	81.3875903	459.844319	432.726703	120.68288	1094.64149	2.34646252	13.0360482	12.1781429	3.39657456	30.9572282
668	2OSXA	NonEnzymeRegulator	3.47126673	15.4790153	23.0853381	5.00666423	47.0422844	554.505773	2403.28876	3542.49028	745.893667	7246.17848	81.0314923	358.04771	531.891961	114.618844	1085.59001	2.33237666	10.096686	14.894031	3.19043942	30.5135331
669	2VLQB	NonEnzymeRegulator	1.4781089	17.3422147	25.0769488	4.60522286	48.5024953	226.648141	2692.4476	3784.26685	689.64075	7393.00334	33.9442164	400.346608	574.430674	105.211618	1113.93312	0.94273489	11.2442013	15.9621456	2.87512851	31.0242103
670	1Q6ZA	NonEnzymeRegulator	2.56633927	14.5114521	20.2382872	9.16420846	46.480287	402.573467	2204.0318	3065.32871	1363.12348	7035.05746	59.5636838	334.427535	465.337664	209.612749	1068.94163	1.69238349	9.47080025	13.0794633	5.82711599	30.069763
671	3T7HA	NonEnzymeRegulator	2.82736619	17.4604373	22.2337439	6.96481827	49.4863657	432.756542	2688.32061	3417.93716	1044.04152	7583.05583	65.3329466	403.359818	513.031268	159.903902	1141.62793	1.86525376	11.4857204	14.5558498	4.51715585	32.4239797
672	3SHGA	NonEnzymeRegulator	2.55218759	15.7945012	25.7124923	5.78638964	49.8455707	412.210564	2488.23363	4005.18061	872.32188	7777.94668	59.3286473	366.501395	594.303095	132.826766	1152.9599	1.65980512	10.3972784	16.6646356	3.6923014	32.4140205
673	2FHZA	NonEnzymeRegulator	1.81610282	16.5851773	23.6058969	6.73749546	48.7446724	273.01734	2496.06365	3671.90987	1066.36415	7507.35501	41.8018459	381.613904	546.70329	156.88482	1127.00386	1.21230792	10.8837674	15.5977303	4.51066103	32.2044666
674	2IA7A	NonEnzymeRegulator	4.03382281	23.7145679	18.9798988	2.48097959	49.2092691	594.399497	3569.38941	2876.73279	353.478581	7394.00028	92.1802319	544.25216	434.97072	56.2703335	1127.67344	2.62242883	15.3762183	12.0384657	1.56771487	31.6048277
675	3QVPA	NonEnzymeRegulator	1.48803779	12.9232021	22.6823585	9.94630788	47.0399063	226.320184	2005.4479	3484.93288	1482.30802	7199.00898	34.3037143	298.92786	523.244016	227.911874	1084.38746	0.9637375	8.4689178	14.7587612	6.37323953	30.564656
676	1Z0WA	NonEnzymeRegulator	2.42416386	16.4030385	22.7011966	5.76963016	47.2980291	336.180797	2347.30773	3289.28147	832.235334	6805.00533	54.7778751	372.519343	517.084947	131.343011	1075.72518	1.5415705	10.4648001	14.5247696	3.64519986	30.1763401

6773	IISM	NonEnzymeRegulator	0	6.17822727	29.3778865	10.9483768	46.5044906	0	948.385168	4375.34504	1575.36796	6899.09817	0	142.410616	674.150443	249.209998	1065.77106	0	4.0326515	19.0346695	6.99033435	30.0576554
6783	KQRA	NonEnzymeRegulator	0.50705789	8.122106	19.8915148	20.771956	49.2926348	80.3777966	1282.37513	3110.30334	3204.84927	7677.90553	11.8295438	189.057849	461.099381	479.371811	1141.35858	0.34671357	5.45992883	13.1658428	13.5835884	32.5560736
6792	O7AA	NonEnzymeRegulator	2.96500061	18.8899338	25.749343	1.73438182	49.7654651	446.148965	2908.76992	4008.31102	246.297925	7669.79074	68.2049886	435.677125	595.213178	39.283746	1148.03633	1.92536565	12.2446737	16.6825654	1.08097892	32.1971771
6801	T1DA	NonEnzymeRegulator	1.56606245	15.4119711	26.4009528	7.67723475	51.0562211	248.731763	2440.78916	4158.27268	1215.61992	8063.41353	36.5436586	358.230666	611.704978	177.988975	1184.46828	1.06815439	10.2528243	17.2318794	4.94743127	33.5002894
6811	DJ0A	NonEnzymeRegulator	4.10682419	19.2359077	22.6683893	2.5184981	48.5296193	651.541464	3011.41735	3526.96044	380.501254	7570.42051	95.2956747	445.3789	523.621435	57.8015584	1122.09757	2.68824824	12.5664524	14.6772132	1.61487664	31.5467905
6821	DS1A	NonEnzymeRegulator	1.72835953	12.8828959	24.3182651	8.49522244	47.424743	269.433763	1995.25222	3685.7004	1261.39393	7211.78031	40.0488963	297.292914	558.16252	194.012705	1089.51704	1.13726396	8.32432936	15.5191285	5.35285947	30.3335813
6833	HIDA	NonEnzymeRegulator	2.2311241	13.8804317	21.8708096	10.1654059	48.1477713	335.213485	2076.55129	3260.46563	1547.85836	7220.08876	51.0861673	318.004259	500.935772	234.272549	1104.29875	1.42815517	8.92975525	14.0328024	6.63408542	31.0247982
6843	GNEA	NonEnzymeRegulator	2.63144831	17.9462812	25.6992771	1.78870242	48.065709	429.752199	2838.77625	3943.97324	275.488777	7487.99047	61.6561813	417.446398	592.827742	41.2670134	1113.19733	1.76919408	11.9871984	16.8014059	1.16831942	31.7261178
6852	EGVA	NonEnzymeRegulator	4.09367005	15.2701308	22.0693263	8.77885857	50.2119857	600.088984	2255.18453	3308.72318	1325.78707	7489.78376	93.6433193	349.473979	505.964972	201.165206	1150.24748	2.64731615	9.88642106	14.2462195	5.56991337	32.34987
6863	LO8A	NonEnzymeRegulator	2.44347408	14.9625883	24.3027421	6.56205099	48.2708555	378.77495	2330.0599	3697.21177	992.653152	7398.69977	56.5625412	347.00012	559.781551	150.656389	1114.0006	1.60346852	9.89779037	15.7901339	4.1988959	31.4902887
6872	CARA	NonEnzymeRegulator	2.48203597	12.5573031	23.303387	9.64285628	47.9855824	389.024975	1925.21356	3533.16786	1437.41068	7284.81708	57.4524289	289.701325	536.862374	221.213119	1105.22925	1.61657628	8.23254767	15.2274605	6.22767175	31.3042562
6881	L5OA	NonEnzymeRegulator	5.82090831	26.7128439	10.8942747	1.99652692	45.4245538	844.323514	3897.14156	1611.04334	281.590202	6634.09862	133.147532	610.225583	249.021177	45.2966763	1037.69097	3.78807643	17.0612342	6.90423631	1.28303028	29.0365772
6892	OA2A	NonEnzymeRegulator	0.77142255	11.8095201	26.7588622	9.61419229	48.9539972	119.616377	1823.14364	4173.80939	1563.35837	7679.92778	17.8500616	272.286221	617.635897	223.948884	1131.72106	0.50954084	7.69540634	17.2293609	6.2669985	31.7013066
6901	QNRA	NonEnzymeRegulator	1.71585265	10.3878702	27.8329852	7.00150225	46.9382103	277.044742	1665.75036	4378.8169	1088.74389	7410.35589	40.0955291	242.640735	645.737901	161.884563	1090.35873	1.15644006	6.98917495	18.2989046	4.53817271	30.9826924
6911	KQFC	NonEnzymeRegulator	4.96778412	23.8301714	18.1245459	3.43218587	50.3546873	795.074588	3784.4652	2878.67065	507.641793	7965.85223	116.606549	555.385943	421.241131	78.6058579	1171.83948	3.4076058	16.0424464	12.0264621	2.19808471	33.6745991
6923	NR5A	NonEnzymeRegulator	2.66170838	15.4162783	25.7424174	5.45940921	49.2798134	444.922812	2456.08917	3998.14395	817.638579	7716.79452	62.9651209	359.399836	595.646895	125.270526	1143.28238	1.85499883	10.3301409	16.8666577	3.49114931	32.5429467
6933	MILA	NonEnzymeRegulator	6.54410837	32.0512394	8.04028428	2.62803159	49.4533355	1015.9109	4945.01485	1237.91663	390.029454	7615.99354	151.621998	741.212665	185.675535	60.2540599	1143.07147	4.39407256	21.1135959	5.2410049	1.69321071	32.5609028
6942	WFWA	NonEnzymeRegulator	2.69111842	14.6889574	19.7630559	10.5055756	47.6487073	416.864912	2216.80746	2908.26182	1515.23198	7057.16618	62.2912456	337.670184	451.05832	238.640535	1089.66028	1.7949336	9.62428362	12.6130185	6.5805983	30.612834
6951	NQJA	NonEnzymeRegulator	0	14.3701378	22.8252062	12.4705914	49.6659354	0	2228.9596	3485.72626	1877.62053	7592.30639	0	332.822699	526.090467	286.276573	1145.18974	0	9.510124	14.8903956	8.03273897	32.4332585
6961	N7SB	NonEnzymeRegulator	11.2681619	12.5993173	13.1196684	11.8707308	48.8578784	1618.42198	1905.37645	1979.01189	1694.39544	7197.20577	258.933555	289.599491	300.481907	268.502693	1117.51765	7.26103919	8.03142668	8.31735112	7.3830042	30.9928212
6973	G21A	NonEnzymeRegulator	0.66952812	12.2585861	22.3379481	13.2274861	48.4935484	106.682683	1874.39771	3372.93358	1965.01139	7319.02536	15.6040334	282.561361	513.113062	302.302071	1113.58053	0.44652996	8.01116241	14.4631758	8.42487739	31.3457456
6983	RO3B	NonEnzymeRegulator	9.33589644	18.3822033	14.7637597	8.70061528	51.1824747	1481.39445	2850.64773	2221.63094	1241.19046	7794.86357	217.90652	425.439724	339.855245	198.278144	1181.47963	6.17201818	11.9478646	9.50407598	5.49400496	33.1179637
6993	VIIA	NonEnzymeRegulator	1.6467986	12.4595151	29.300068	5.33591731	48.742299	257.715746	1988.06305	4546.11208	812.192966	7604.08384	38.2501233	290.599475	677.464814	122.540025	1128.85444	1.10237315	8.3662277	19.1655244	3.37910183	32.0132271
7003	I2KA	NonEnzymeRegulator	2.70213049	16.1913598	22.3069002	5.95110229	47.2233038	435.590689	2505.94623	3391.59658	905.154199	7249.09005	63.0914119	374.032761	513.022939	136.795855	1088.59138	1.81389933	10.6042155	14.4038001	3.79429636	30.6613742
7012	WK1A	NonEnzymeRegulator	1.76619928	12.3706398	25.9330346	8.8068692	48.8767429	267.770988	1900.60186	4011.95464	1358.16625	7538.49374	40.68522	285.474159	598.586944	202.913344	1127.65967	1.14460578	8.07729424	16.7753221	5.61495228	31.6121744
7022	EHPA	NonEnzymeRegulator	1.56292248	12.4328846	25.7013239	8.46937746	48.1665084	235.825646	1860.76681	3820.73902	1256.44053	7173.77201	35.9526436	285.586281	589.212195	193.95332	1104.70444	1.04202246	8.21829759	16.8261427	5.48248112	31.5689439
7031	VTZ0	NonEnzymeRegulator	4.16598434	23.6325527	15.2281862	4.96020066	47.9869239	666.795748	3640.52358	2282.88203	724.823018	7315.02438	97.226657	544.607142	348.660019	113.104152	1103.59797	2.81423617	15.2914147	9.65350195	3.11240956	30.8715624
7042	WZBA	NonEnzymeRegulator	1.32630424	11.9086192	21.7935832	12.1519832	47.1804899	194.362854	1788.7112	3230.13749	1771.12092	6984.33247	30.2459757	273.625452	499.683482	277.299246	1080.85416	0.83823809	7.72310156	14.1684862	7.78155692	30.5113827
7051	IJYA	NonEnzymeRegulator	2.82174363	12.3527858	24.9543289	8.48583558	48.6146939	438.020171	1900.06603	3831.65624	1308.94439	7478.68684	65.8708492	286.192928	576.910619	196.62793	1125.60233	1.91676849	8.07339313	16.1918347	5.57500329	31.7569996
7062	W1JA	NonEnzymeRegulator	1.42160028	12.9610898	26.2178752	7.66066841	48.2612336	212.132667	1969.61755	3951.56463	1129.59438	7262.90923	32.5277173	298.354898	602.365237	175.388464	1108.63632	0.9154521	8.41220632	16.8996917	4.90311394	31.1304641
7071	O06A	NonEnzymeRegulator	9.59551847	19.2318755	9.37102569	9.36877509	47.5671948	1366.15185	2736.64527	1324.42552	1306.48752	6733.71016	217.211402	435.256102	211.944849	211.448204	1075.86056	5.96285281	11.910508	5.76046735	5.68404372	29.3178719

7083	3US6A	NonEnzymeRegulator	2.62342948	20.4715472	16.5300816	9.81802686	49.4430851	394.6857	3130.72076	2552.31583	1491.60885	7569.33113	60.2308119	472.088558	381.927845	225.729937	1139.97715	1.70642239	13.3889018	10.7350883	6.27010419	32.1005167
7094	EGUA	NonEnzymeRegulator	2.58124939	11.3896074	24.3581973	9.61039094	48.3017941	413.316851	1772.59378	3673.34283	1434.80647	7349.48674	60.0782365	263.365685	559.740223	220.794871	1112.33405	1.71995648	7.4963811	15.7614046	6.14592461	31.3535559
7102	2QAPA	NonEnzymeRegulator	7.46439391	35.1209794	4.57445529	0.82229034	47.9821189	1133.84636	5342.542	696.354455	120.34577	7293.08859	172.145403	808.367317	105.095634	18.7698361	1104.37819	4.92063091	22.6343534	2.93073825	0.51398782	30.9997104
7111	B8ZA	NonEnzymeRegulator	0	6.63000703	25.2973178	17.7293945	49.6567193	0	963.113663	3669.86552	2550.86982	7183.84901	0	151.40695	576.521047	402.392608	1130.3206	0	4.35673993	16.349634	11.305792	32.0121659
7123	Q3YA	NonEnzymeRegulator	1.49044156	8.77567512	25.4333205	12.5606551	48.2600923	223.55384	1320.87603	3892.74299	1885.52226	7322.69512	34.2334574	201.870755	587.176743	288.387832	1111.66879	0.97331554	5.75308031	16.653993	8.10407494	31.4844638
7132	V33A	NonEnzymeRegulator	1.03035572	17.9968232	16.8448797	8.58663889	44.4586975	153.264981	2650.5896	2458.62847	1243.70296	6506.18601	23.5797455	411.435599	384.543945	195.331386	1014.89068	0.66908308	11.5632195	10.6839539	5.37602145	28.2922779
7141	VL7A	NonEnzymeRegulator	3.64782641	14.8775228	21.9595967	8.6579936	49.1429395	569.280646	2283.9368	3393.09973	1336.82246	7583.13964	84.7711766	343.702671	506.710842	199.503465	1134.68816	2.47479356	9.85068046	14.2918549	5.59746304	32.2147919
7151	XG0A	NonEnzymeRegulator	1.89842597	11.1361638	23.0993803	10.0816656	46.2156357	270.990458	1589.85495	3389.37348	1500.08214	6750.30103	43.1563099	253.176493	527.779183	231.256518	1055.3685	1.21776072	7.09617931	14.5380247	6.47392467	29.3258894
7163	ZZPA	NonEnzymeRegulator	0	18.0375647	21.7869845	10.267602	50.0921512	0	2779.03687	3307.5267	1517.97699	7604.54056	0	415.70628	500.010562	234.446205	1150.16305	0	11.630735	13.7882259	6.41827457	31.8372355
7172	ZUXA	NonEnzymeRegulator	2.07216798	14.933087	23.9309212	6.55766522	47.4938414	322.96076	2324.93157	3692.45408	992.161678	7332.50809	47.9999829	345.534572	552.40652	150.463102	1096.40418	1.3634666	9.76893097	15.5564866	4.18204418	30.8709284
7183	NYCA	NonEnzymeRegulator	3.52582566	21.4682166	19.7876745	2.36794069	47.2771892	543.299315	3324.45587	3069.67686	384.24301	7346.29697	81.1626221	495.901115	457.124721	55.0806372	1092.35666	2.26064776	13.9773099	12.8410495	1.51757197	30.6790002
7192	J5YA	NonEnzymeRegulator	5.60270525	20.0733303	15.4047178	8.03521391	49.1159673	817.702039	2969.985	2321.08324	1259.23623	7368.00651	127.719342	459.129385	353.865476	186.240819	1126.95502	3.61295025	12.9589917	10.0519872	5.23153127	31.8554605
7203	LHCA	NonEnzymeRegulator	3.3661142	9.81448743	25.3204085	7.67812285	46.1791329	522.083268	1441.43121	3675.53167	1145.77948	6784.82562	77.9174994	224.482346	577.188882	175.863852	1055.45258	2.24274838	6.37513978	16.0838646	4.81441035	29.5161631
7213	H0NA	NonEnzymeRegulator	5.21682643	26.285099	13.4480001	2.42695112	47.3768766	785.127138	4036.14102	2094.61484	391.722697	7307.6057	119.493536	604.428339	309.811498	56.246243	1089.97962	3.34124944	16.7593733	8.49122536	1.53883296	30.1306811
7222	ZCMA	NonEnzymeRegulator	3.58376622	18.4566652	18.7541673	10.0109225	50.8055213	568.924987	2907.59513	2847.21811	1531.66477	7855.40301	83.5608033	428.934995	431.816465	231.049827	1175.36209	2.42193631	12.3372689	12.2830466	6.61913456	33.6613864
7233	N6ZA	NonEnzymeRegulator	3.17164493	17.8696608	20.8373547	3.76601728	45.6446777	472.304698	2687.65539	3149.98782	558.91568	6868.8636	72.81286	410.40314	478.943197	86.1531051	1048.3123	2.08130178	11.5777704	13.4723095	2.40978348	29.5411652
7241	M40A	NonEnzymeRegulator	2.16408397	13.9402874	24.9719058	6.74695447	47.8232317	315.914458	2070.40254	3728.20842	1028.40071	7142.92613	49.5557877	319.363788	571.40371	154.97273	1095.29602	1.41408176	8.97866503	15.911314	4.29356752	30.5976283
7251	SQSA	NonEnzymeRegulator	1.29489528	15.0194733	23.749045	9.51135773	49.5747713	198.120607	2319.73709	3562.28819	1457.7121	7537.85799	29.8964844	346.910711	544.686416	219.236356	1140.72997	0.869319	9.91514925	15.2801089	6.17641814	32.2409953
7261	C4QA	NonEnzymeRegulator	0.7108327	11.8686243	27.1719071	7.40808442	47.1594485	105.572061	1750.38641	3981.8879	1085.72213	6923.56851	16.2936631	271.571896	620.581378	169.343499	1077.79044	0.46557834	7.69942258	17.3706454	4.70959897	30.2452453
7273	CUZA	NonEnzymeRegulator	1.72363622	12.3627675	24.9799779	9.70866308	48.7750447	263.905774	1917.19751	3821.4641	1469.06767	7471.63506	39.765023	286.39259	575.200178	222.885016	1124.24281	1.12657001	8.19763015	16.1570885	6.20315324	31.6844419
7283	H87C	NonEnzymeRegulator	0.70615216	9.18495052	16.7153707	22.470204	49.0766774	109.913886	1421.26083	2478.22619	3416.15957	7425.56048	16.194258	210.694396	380.817566	515.131339	1122.83756	0.43423695	5.72645444	10.5185519	14.2211074	30.9003506
7291	C7KA	NonEnzymeRegulator	2.04998923	9.97445086	22.4005536	11.9801107	46.4051044	313.243612	1552.91695	3518.17623	1853.18597	7237.52276	47.0857071	230.770442	518.928527	276.425312	1073.20999	1.29393515	6.48532388	14.4885414	7.6061933	29.8739937
7303	BVFA	NonEnzymeRegulator	7.34139804	25.0237754	14.379069	2.1388347	48.8830772	1122.65665	3820.30156	2176.43615	343.927327	7463.32168	169.454108	577.240231	330.826233	49.6030398	1127.12361	4.74480732	16.4020228	9.3735929	1.34102512	31.8614481
7311	IFRA	NonEnzymeRegulator	0.44832594	13.615846	23.6091276	10.9374466	48.6107461	71.5248705	2156.5947	3707.42601	1647.81745	7583.36302	10.4051914	315.429283	546.034333	250.370661	1122.23947	0.29873297	8.88691979	15.3317245	6.88890225	31.4062795
7324	EAEA	NonEnzymeRegulator	2.08425033	13.3770109	23.3934883	8.0348855	46.889635	306.354852	2011.72134	3527.16276	1168.79325	7014.0322	47.6837594	307.486153	537.854714	182.891416	1075.91604	1.36730542	8.80800402	15.2524581	5.05210917	30.4798767
7333	S6FA	NonEnzymeRegulator	2.08063725	11.6206838	23.5799567	11.1314406	48.4127184	314.1846	1775.28598	3650.77752	1701.90656	7442.15466	47.8928452	267.422699	544.560771	256.045535	1115.92185	1.37879301	7.59126644	15.3950634	7.14134418	31.506467
7342	GJ3A	NonEnzymeRegulator	2.01497488	24.6447768	17.5551987	5.28475625	49.4997066	303.455534	3778.45167	2709.32	779.756957	7570.98417	46.4139373	567.647501	404.176644	120.771664	1139.00975	1.32600027	16.0345584	11.3046794	3.38203231	32.0472704
7353	MDUA	NonEnzymeRegulator	2.28101009	14.4706117	25.5149246	5.43388046	47.7004268	344.210774	2218.14136	3978.86589	853.088168	7394.30619	52.4357335	333.372559	589.208975	125.476457	1100.49372	1.47849197	9.3961843	16.4711777	3.46977274	30.8156267
7363	UJIP	NonEnzymeRegulator	3.03463158	12.0617381	26.0663761	11.1771398	52.3398856	490.960003	2033.21351	4245.34096	1816.84397	8586.35844	70.7289243	283.899745	607.447695	259.960531	1222.0369	2.02961041	8.11545895	17.1529013	7.23494711	34.5329178
7372	HW2A	NonEnzymeRegulator	1.98498171	12.2761497	25.9792281	8.01351354	48.253873	315.12235	1912.16928	3986.17848	1206.44087	7419.91098	46.088193	283.542239	598.391539	183.460439	1111.48241	1.30960382	7.95823999	16.7547923	5.07376798	31.0964041
7382	NVHA	NonEnzymeRegulator	0.32819871	17.5526502	23.8457957	7.22772801	48.9543726	49.1045379	2644.92492	3572.07483	1054.35222	7320.45651	7.5612886	404.425539	548.044373	165.009249	1125.04045	0.22028136	11.5687571	15.4906993	4.57431666	31.8540544

7392	J9WA	NonEnzymeRegulator	5.04089887	28.2032085	14.8880051	1.42156539	49.5536779	746.573847	4259.56397	2237.80337	235.054215	7478.9954	115.718067	649.599615	342.249813	33.4153569	1140.98285	3.28189944	18.2822078	9.49878332	0.90916846	31.972059
7403	SIGA	NonEnzymeRegulator	1.96885897	15.4189659	24.6850896	5.59179905	47.6647135	305.063395	2421.82942	3907.39086	849.295708	7483.57938	45.5798879	356.414701	570.751892	128.11415	1100.86063	1.30693926	10.0017221	15.8730442	3.54216622	30.7238718
7411	K3XA	NonEnzymeRegulator	2.82261773	12.3111744	19.2183203	15.1063853	49.4584977	426.864374	1908.24228	3006.80251	2304.30116	7646.21032	64.6665529	284.19403	444.434178	347.690047	1140.98481	1.80011235	8.03842262	12.6017196	9.7539351	32.1941896
7421	ATGA	NonEnzymeRegulator	1.75528069	14.344376	19.025406	11.6876271	46.8126898	263.570578	2143.05861	2914.5557	1787.88224	7109.06713	40.3207013	328.968338	438.820945	268.889851	1076.99984	1.14831332	9.3360192	12.5002647	7.564112	30.5487092
7433	B4NA	NonEnzymeRegulator	2.39790338	15.1060316	22.0203053	7.32253624	46.8467766	359.951226	2261.68502	3299.2253	1117.02401	7037.88556	54.9766371	346.185237	504.692653	168.348899	1074.20343	1.56354607	9.71296069	14.0279775	4.66748277	29.971967
7442	OFZA	NonEnzymeRegulator	6.36126765	27.6921374	11.7393544	2.52803266	48.3207921	1074.53955	4349.63869	1768.84001	379.755386	7572.77363	150.420197	641.343658	268.523621	57.858709	1118.14619	4.39221571	18.1749311	7.35341477	1.57731359	31.4978752
7453	C9AA	NonEnzymeRegulator	1.9667665	16.304998	23.8425365	6.17710137	48.2914024	306.19269	2520.2726	3653.65063	946.601181	7426.7171	45.3714404	376.620807	549.793825	142.378066	1114.16414	1.26483526	10.6271786	15.2833174	3.86476599	31.0400973
7462	OMLA	NonEnzymeRegulator	4.26684481	19.7539673	22.815092	2.43822904	49.2741332	658.724478	3089.96183	3440.92202	364.275788	7553.88412	98.5890398	457.021423	523.121112	55.5824635	1134.31404	2.81946886	12.8960052	14.6324788	1.51370437	31.8616572
7473	FSOA	NonEnzymeRegulator	1.40734322	19.5888803	19.0812426	9.43149419	49.5089603	212.781926	3026.65212	2954.97017	1451.93612	7646.34033	32.2802155	451.569446	439.284321	216.782574	1139.91656	0.91094732	12.6906842	12.2113446	5.9866479	31.799624
7483	AMRA	NonEnzymeRegulator	1.69384739	10.9826105	27.9445497	6.84522293	47.4662305	248.233602	1676.66546	4233.1554	1037.39478	7195.44924	38.758259	253.491173	642.562071	157.248827	1092.06033	1.09665559	7.22728955	18.0243473	4.37034164	30.7186341
7493	BUUA	NonEnzymeRegulator	1.21135182	17.2536691	22.1933789	8.83051999	49.4889198	181.123603	2640.0439	3407.2379	1337.90426	7566.30967	27.6173915	397.080181	511.408408	202.938675	1139.04466	0.74956459	11.1616395	14.4244521	5.69823777	32.0338939
7503	T4LA	NonEnzymeRegulator	6.54978922	25.5301742	14.5575369	1.88625323	48.5237535	995.056237	3890.12421	2242.83414	280.916572	7408.93116	150.717448	587.969732	335.507489	43.0063405	1117.20101	4.27654266	16.5068654	9.30037772	1.15954399	31.2433297
7511	T6UA	NonEnzymeRegulator	5.33006824	18.6100368	16.7550214	7.37607582	48.4706009	801.652904	2796.17823	2606.67338	1151.77905	7418.43743	122.180178	426.769193	388.106137	171.009945	1117.28693	3.4066368	11.9313863	10.966361	4.79420409	31.350388
7522	WUHB	NonEnzymeRegulator	9.33897872	12.1135097	8.57354148	10.9391553	40.9651853	1440.9723	1904.05124	1307.05334	1628.94278	6281.01967	214.796402	281.29164	198.070526	251.226579	945.385146	5.84942444	7.9193978	5.565135	6.98032003	26.3142773
7532	WNPF	NonEnzymeRegulator	1.20273826	16.7667557	25.2504998	4.70481758	47.9248114	193.646429	2706.5336	3983.80173	726.807336	7610.78909	28.0811114	391.360278	586.557182	108.964398	1114.96297	0.80109393	11.2024175	16.6273697	3.06843621	31.6993173
7541	NZJA	NonEnzymeRegulator	1.80043851	19.3041889	21.1932464	6.91315658	49.2110304	281.551294	3027.02893	3322.82339	1107.06981	7738.47343	41.6340667	446.713964	489.901821	160.570488	1138.82034	1.18338939	12.6580273	13.7635241	4.47302516	32.0779659
7552	ELCA	NonEnzymeRegulator	2.47753953	17.5151043	23.6068513	2.86366114	46.4631563	372.008995	2632.49953	3498.52269	409.668614	6912.69982	56.8424401	401.741402	539.569668	65.0557628	1063.20927	1.61413081	11.2765234	15.0426802	1.82034251	29.7536769
7562	JG0A	NonEnzymeRegulator	3.32479079	26.2675302	17.0869456	1.86630917	48.5455757	558.33652	4101.4413	2590.03581	292.323077	7542.13671	78.4639618	608.419268	392.796853	43.334002	1123.01408	2.27386403	17.2443955	10.9846098	1.21841763	31.7212871
7572	R751	NonEnzymeRegulator	1.89460094	13.2078675	24.4000717	8.12643945	47.6289796	276.230714	1913.7325	3574.31446	1189.36825	6953.64593	43.2588987	300.887108	556.756395	185.180025	1086.08243	1.23813891	8.48658283	15.6212033	5.12794626	30.4738713
7582	Y8YA	NonEnzymeRegulator	3.73629684	13.2457142	27.0956573	5.64309187	49.7207602	581.238113	2048.11722	4195.51094	869.537075	7694.40335	86.1660875	305.356137	624.649134	129.66392	1145.83528	2.45155107	8.62999456	17.5456968	3.58372275	32.2109652
7593	BOEA	NonEnzymeRegulator	1.78644824	8.36965331	22.8001808	13.9140641	46.8703465	267.061613	1281.98896	3466.39311	2086.34787	7101.79155	41.1356345	193.192773	524.318164	319.119849	1077.76642	1.17636619	5.51522462	14.6877223	8.90583206	30.2851452
7601	I27A	NonEnzymeRegulator	1.42220378	16.7808777	23.121805	8.21110077	49.5359872	212.537166	2498.18518	3426.61514	1183.91507	7321.25255	32.5582402	383.99234	528.163759	187.092977	1131.80732	0.91827976	10.7797811	14.6823854	5.20635556	31.5868018
7611	LQVA	NonEnzymeRegulator	1.45801205	14.281448	24.8771395	8.67450254	49.2911021	234.592046	2252.05069	3911.43288	1335.38836	7733.46397	34.1688154	331.525324	575.969113	199.70319	1141.36644	0.99342675	9.4254038	16.2156502	5.56746942	32.2019501
7621	ZV1A	NonEnzymeRegulator	4.19335569	28.6817375	12.9012856	5.15952999	50.9359088	616.741572	4362.90592	2011.46686	832.641178	7823.75553	95.9795725	661.937503	299.470029	119.69138	1177.07848	2.68509682	18.7753646	8.50591698	3.25899635	33.2253748
7631	I5GA	NonEnzymeRegulator	2.15109578	5.49856933	24.9250146	15.9566796	48.5313593	344.887888	859.968723	3847.17208	2477.20879	7529.23748	50.513962	127.887547	577.208171	369.538328	1125.14801	1.49793283	3.73050042	16.5698496	10.5481619	32.3464447
7643	EERA	NonEnzymeRegulator	2.24090639	10.9215523	14.4665089	17.7024856	45.3314532	348.092442	1625.49463	2130.53278	2591.9241	6696.04396	52.0090177	250.370052	330.007806	403.201991	1035.58887	1.50050261	7.05963531	9.19479912	11.1423348	28.8972718
7653	BWZA	NonEnzymeRegulator	4.36018594	26.4187194	14.4071327	1.95548591	47.1415239	627.184186	3865.43906	2148.97647	287.211663	6928.81138	99.3918601	603.579585	330.294527	44.7498517	1078.01582	2.82072419	17.045801	9.29676153	1.25681233	30.420099
7662	ZPTX	NonEnzymeRegulator	2.05255105	10.2192254	28.8887262	9.24570701	50.4062096	322.281599	1609.86052	4491.40574	1413.03935	7836.58721	47.619455	237.81281	669.846012	213.436896	1168.71517	1.36587927	6.86545993	19.0819178	6.06229119	33.3755482
7672	VNGA	NonEnzymeRegulator	0.84881158	14.0159561	21.4042518	11.3881017	47.6571213	129.13295	2115.45474	3229.46535	1700.42036	7174.4734	19.5807388	322.223359	492.119744	260.793899	1094.71774	0.56304309	9.16661537	13.9623159	7.28591496	30.9778893
7681	PMHX	NonEnzymeRegulator	0.84102362	16.4678426	22.1183538	9.23424619	48.9037672	133.132322	2563.09504	3452.09958	1444.74487	7628.28137	19.5943561	381.459118	512.26195	213.602911	1132.42146	0.57042075	10.9599571	14.581103	5.99005536	32.2520389
7693	BBBA	NonEnzymeRegulator	2.54963398	18.1971022	23.3015758	5.01137349	49.0596855	390.210233	2760.79305	3547.11916	835.631542	7533.75398	58.883291	418.561992	535.991917	118.009712	1131.44691	1.69050601	11.8436537	15.0607615	3.38730777	31.982229

7702	WOYA	NonEnzymeRegulator	5.78609963	15.1168959	17.8472134	9.15541233	47.9056212	851.770061	2262.15232	2667.32349	1391.04134	7172.28721	132.168274	346.823084	409.398939	210.5892	1098.9795	3.69995771	9.78253153	11.5211052	5.90573508	30.9093295
7713	TEWA	NonEnzymeRegulator	3.84292844	18.3984204	16.823455	9.52910667	48.5939106	583.957265	2755.72931	2516.7989	1435.68251	7292.16798	88.2900919	421.567922	385.768273	218.802674	1114.42896	2.47871126	11.7908787	10.8646892	6.12260506	31.2568842
7723	OCZA	NonEnzymeRegulator	4.72851954	30.0637821	12.3472968	1.37280758	48.512406	705.954542	4717.98086	1883.90845	212.453533	7520.29739	108.724146	697.042853	284.076106	31.6984284	1121.54153	3.06663383	19.7710984	7.93342244	0.89908889	31.6702436
7732	CXYA	NonEnzymeRegulator	4.23595245	25.4365337	17.9331526	2.08476102	49.6903998	677.450147	3880.55442	2708.44457	314.484288	7580.93342	98.9570099	585.978235	411.068599	48.1488273	1144.15267	2.88475493	16.686902	11.4594105	1.37770786	32.4087753
7744	AV5A	NonEnzymeRegulator	1.86940181	21.4186973	17.4811289	6.25682285	47.0260509	291.543645	3307.72142	2643.88501	918.576895	7161.72697	43.3330901	495.35389	401.877927	142.95159	1083.5165	1.25752817	14.2129415	11.3179634	3.9936303	30.7820633
7754	UBPB	NonEnzymeRegulator	13.5767515	29.3162122	2.74820541	2.82321632	48.4643855	2067.2106	4359.90443	415.656455	433.200273	7275.97176	311.139553	669.956799	63.0869032	65.3161535	1109.49941	8.61968107	18.6073622	1.75258554	1.86670373	30.8463326
7761	PQHA	NonEnzymeRegulator	5.33808944	28.9536009	10.7992036	2.3631054	47.4539993	807.33282	4381.02001	1673.08249	350.186319	7211.62164	122.71433	665.306699	249.500018	54.1515133	1091.67256	3.5075667	18.6678359	6.91458922	1.47111508	30.5611069
7773	JYZA	NonEnzymeRegulator	2.79107091	18.6636025	19.335917	4.1837406	44.974331	403.017317	2736.79176	2846.31281	621.779884	6607.90177	63.6448517	425.882017	440.750552	95.4949549	1025.77238	1.81561358	11.8993315	12.1642794	2.6254651	28.5046896
7783	RHBA	NonEnzymeRegulator	2.91399888	9.48866086	24.4809129	11.7705594	48.654132	442.503686	1410.70622	3598.66095	1715.86458	7167.73544	67.220974	217.667304	559.165914	268.507012	1112.5612	1.93742086	6.18968141	15.6157636	7.47748835	31.2203542
7792	YFOA	NonEnzymeRegulator	3.86105046	17.2735407	22.718663	4.43641971	48.2896739	612.884768	2658.85485	3457.10366	668.751742	7397.59502	90.0090892	399.022462	522.997674	101.890567	1113.91979	2.56446641	11.250647	14.7169375	2.83650553	31.3685565
7802	VC8A	NonEnzymeRegulator	0.68267949	17.2923427	20.9250086	7.93198596	46.8320168	101.637278	2580.26841	3099.34766	1173.02955	6954.2829	15.6017563	395.871252	478.697763	181.264463	1071.43523	0.44082343	11.1700619	13.4270444	5.00553099	30.0434607
7812	F60K	NonEnzymeRegulator	5.47561983	26.6368632	12.1735913	4.22049459	48.506569	783.782402	3967.215	1879.85661	685.248119	7316.10213	124.154803	608.283047	280.099857	97.9610837	1110.49879	3.46379125	16.9504918	7.82005746	2.70986273	30.9442033
7821	PO5A	NonEnzymeRegulator	1.60968212	10.6238239	24.8544436	12.0776773	49.1656269	241.621605	1637.43678	3838.41442	1858.78622	7576.25902	36.9802633	245.389034	573.646613	278.520175	1134.53609	1.0521276	7.01553762	16.192642	7.8527457	32.1130529
7833	UI4A	NonEnzymeRegulator	3.96343902	27.3784759	14.3449267	1.66306497	47.7263659	617.489477	4163.90789	2153.14414	241.630484	7229.32193	91.8069153	631.90351	329.894847	38.0788749	1100.27273	2.61128847	17.9157256	9.21339816	1.03599554	31.0085058
7842	OB3A	NonEnzymeRegulator	1.13399754	8.26293957	26.6196836	11.5663084	47.5829291	171.058681	1259.3697	4033.08015	1757.09313	7220.60166	26.0056149	190.10277	610.96343	265.938858	1093.01067	0.72559741	5.37694589	17.1172969	7.48384519	30.7036854
7852	BMOB	NonEnzymeRegulator	2.65492383	17.9969628	20.8462994	9.04575805	50.5439441	416.476419	2808.46081	3258.69713	1400.3795	7884.01387	61.391155	416.09099	481.378446	208.300667	1167.16126	1.72503961	11.7955894	13.4164165	5.69020246	32.6272479
7864	EKFA	NonEnzymeRegulator	3.24463898	13.8451672	26.4447862	4.84946944	48.3840618	525.627616	2165.54888	4140.77578	749.839919	7581.79219	76.4283979	321.829243	612.735285	111.782476	1122.7754	2.23071794	9.20709985	17.2555485	3.11011213	31.8034784
7871	W23A	NonEnzymeRegulator	2.4170057	16.6206604	21.4065639	7.77282105	48.217051	352.376127	2502.25189	3233.44468	1165.87324	7253.94593	55.263479	382.043058	492.261604	178.507287	1108.07543	1.55237528	10.8092229	13.8804883	5.00362588	31.2457123
7883	ZVSA	NonEnzymeRegulator	1.77775861	13.4662077	26.8696025	6.1168231	48.2303919	262.281645	2021.28288	4051.45542	942.87184	7277.89179	40.5939433	308.94761	617.773514	141.082084	1108.39715	1.13871608	8.73751928	17.3752266	3.88442935	31.1358913
7892	GXQA	NonEnzymeRegulator	0.91959166	10.0543813	21.932075	14.9114273	47.8174753	131.320095	1455.2244	3208.72501	2257.41637	7052.68588	20.8598702	228.72403	500.213904	342.554543	1092.35235	0.58946477	6.43497296	14.0289872	9.61867219	30.6720971
7903	VWCA	NonEnzymeRegulator	0.35970303	20.3516407	21.3976166	6.22202071	48.330981	60.4228478	3188.36202	3246.30949	942.010959	7437.10531	8.4822288	471.453203	491.888501	142.92967	1114.7536	0.24538676	13.4637325	13.8127608	3.99000766	31.5118877
7914	DD5A	NonEnzymeRegulator	4.64561744	26.0219165	14.0263255	1.2465434	45.9404028	659.227516	3724.00679	2021.18232	191.800213	6596.21684	105.489876	592.308317	319.535062	28.8116178	1046.14487	2.92763882	16.5971697	8.94300119	0.7949153	29.262725
7923	H0OA	NonEnzymeRegulator	2.06930746	14.6162049	25.7604473	5.58681277	48.0327724	324.290482	2301.31229	4031.02769	848.85942	7505.48987	48.0692041	339.456839	596.393694	128.290796	1112.21053	1.37510069	9.71173965	16.8460798	3.55924988	31.49217
7934	GJZA	NonEnzymeRegulator	1.31370122	16.3098268	24.9331984	6.95369758	49.510424	213.353059	2610.94503	3881.36678	1081.52717	7787.19203	30.7404	379.992852	577.630592	160.965152	1149.329	0.89501467	10.9091286	16.4269482	4.57265045	32.8037419
7941	V0WA	NonEnzymeRegulator	2.09642396	12.697725	24.5640403	7.45458844	46.8127777	319.931964	1932.11926	3716.73613	1099.43419	7068.22154	48.2492736	292.091087	564.213495	170.239916	1074.79377	1.36852751	8.2504645	15.7685309	4.71691269	30.1044356
7952	HOXA	NonEnzymeRegulator	2.2304495	16.1894907	23.4881573	6.99858704	48.9066845	352.07563	2538.89776	3618.35853	1056.64902	7565.98094	51.9385975	375.464841	543.061514	161.389064	1131.85402	1.49660211	10.714264	15.3330258	4.53608416	32.0799761
7961	RW1A	NonEnzymeRegulator	2.6530111	15.0404391	23.4393746	8.48905277	49.6218775	405.632373	2383.67984	3648.22807	1280.90616	7718.44645	61.0689672	349.291684	541.627976	194.817125	1146.80575	1.73780888	9.93198866	15.2751816	5.46654094	32.4115201
7971	K4IA	NonEnzymeRegulator	3.42813614	23.1102237	17.5488931	2.78082513	46.8680781	498.09912	3462.31625	2666.53557	415.974116	7042.92505	78.2257489	529.802382	402.701774	63.3572033	1074.08711	2.2155437	14.7397279	11.0854292	1.70216028	29.7428611
7983	TOWA	NonEnzymeRegulator	1.89871782	23.3193028	19.6494142	4.15561085	49.0230456	295.318619	3602.09635	3025.96817	673.893831	7597.27697	44.0701205	539.276917	452.753147	96.7294604	1132.82964	1.26788026	15.3703474	12.6128969	2.68766388	31.9387885
7991	YC5A	NonEnzymeRegulator	2.6070078	18.0364887	20.4970053	7.27285829	48.41336	376.530409	2662.06532	3086.56018	1064.20498	7189.36089	59.2556256	412.462259	471.80955	166.639154	1110.16659	1.65419998	11.6428238	13.4311802	4.67886259	31.4070665
8001	GUTA	NonEnzymeRegulator	3.52214824	22.5827153	17.8187611	2.86197032	46.7855949	484.394825	3131.19709	2467.12705	389.973095	6472.69205	79.3394266	509.404698	401.823548	64.8199359	1055.38761	2.23264297	14.2892065	11.1313302	1.85897691	29.5121566

8012	2XW6A	NonEnzymeRegulator	1.85155571	8.05209506	26.7897596	11.0695665	47.7629769	276.432006	1204.59919	4048.95948	1710.40445	7240.39513	42.4624201	184.6554	614.481589	255.192989	1096.7924	1.226353	5.21864161	17.0631281	7.11475327	30.622876
8023	U3ZA	NonEnzymeRegulator	2.80527794	19.5108332	17.0302282	8.64207456	47.9884139	412.869764	2978.4462	2616.11438	1315.20653	7322.63687	64.0338308	449.556761	393.556483	198.877022	1106.0241	1.80796351	12.6826636	11.2225333	5.65925476	31.3724151
8034	EZIA	NonEnzymeRegulator	1.80638676	10.5701683	24.3010342	11.7711402	48.4487294	281.62338	1629.3192	3753.55307	1819.11728	7483.61294	41.8513646	244.300184	561.905899	272.066488	1120.12394	1.18635182	6.96731486	16.0259041	7.73543401	31.9150048
8042	QMCB	NonEnzymeRegulator	5.11888936	15.9716523	18.3506092	7.45668743	46.8978383	744.036537	2380.05492	2761.38281	1101.50586	6986.98013	116.586396	365.96975	422.100969	170.63429	1075.2914	3.24022429	10.2697855	11.9602586	4.80740386	30.2776722
8051	KJQA	NonEnzymeRegulator	1.55725282	11.7086202	24.5945259	9.54917411	47.409573	236.026529	1772.45839	3696.08186	1424.34873	7128.91551	35.7887392	269.185154	563.965578	218.523298	1087.46277	1.00661943	7.58848077	15.7891535	6.08944443	30.4736982
8062	FCOA	NonEnzymeRegulator	2.94753474	19.2817181	23.3531546	4.2340697	49.8164771	457.485939	2997.34275	3674.66789	688.794558	7818.29114	68.273112	446.158867	541.13671	98.8337669	1154.40246	1.96783993	12.6296991	15.2647874	2.79306066	32.6553871
8071	ZDYA	NonEnzymeRegulator	0	10.3702034	20.1310816	17.1367204	47.6380055	0	1599.62881	3048.91521	2557.77629	7206.32031	0	240.460426	463.533024	392.888989	1096.88244	0	6.93721672	13.1297351	11.0485587	31.1155105
8081	VJUA	NonEnzymeRegulator	2.5705606	22.6184266	19.91627	3.72984929	48.8351065	402.787644	3572.43458	3171.09167	583.223005	7729.5369	59.5359734	525.114076	463.080088	86.3313027	1134.06144	1.70141065	14.9563346	13.0980228	2.40512861	32.1608967
8092	O2KA	NonEnzymeRegulator	2.69312771	22.1140585	20.2268046	4.19317978	49.2271706	420.43333	3466.82353	3108.62239	659.261278	7655.14053	62.4403425	512.666577	466.786374	97.2090213	1139.10232	1.79261567	14.5837736	13.1830768	2.73678661	32.2962527
8103	LMZA	NonEnzymeRegulator	6.00176093	31.3158703	10.5886389	0.79630719	48.7025774	925.567732	4827.61091	1602.56956	115.866646	7471.61485	138.870143	722.718052	243.14608	18.1208124	1122.85509	3.95168378	20.4612116	6.81438037	0.51314279	31.7404186
8112	OXGB	NonEnzymeRegulator	2.12137374	13.7481857	19.815773	8.85860814	44.5439406	297.586414	1951.21238	2825.80304	1272.76173	6347.36356	48.2186791	311.806367	449.563271	201.318072	1010.90639	1.38048229	8.75481351	12.4845918	5.56849506	28.1883827
8122	QFEA	NonEnzymeRegulator	1.09809462	16.554704	22.8840991	7.39041221	47.92731	168.400239	2570.07482	3555.259	1135.7768	7429.51086	25.3966279	383.151673	529.120915	170.268461	1107.93768	0.73776356	10.9710199	14.996866	4.74887509	31.4545245
8133	K05A	NonEnzymeRegulator	3.75779724	17.1917751	16.9314474	10.2519911	48.1330108	561.871751	2583.29543	2555.1304	1597.4448	7297.74239	86.2600557	394.410619	389.284006	236.935176	1106.88986	2.43915809	11.1015397	11.0522216	6.6839068	31.2768262
8143	RZNA	NonEnzymeRegulator	2.30942173	13.9594273	24.5381533	8.82738462	49.6343869	366.060041	2136.67914	3739.33938	1338.03117	7580.10973	53.5876111	322.435539	566.011956	203.151773	1145.18688	1.53215526	9.27298987	16.1372883	5.70107841	32.6435118
8153	AWUB	NonEnzymeRegulator	0.57800667	14.2179219	21.4426273	11.1222837	47.3608397	89.1764966	2246.53058	3358.53719	1736.3784	7430.62267	13.2702494	329.508134	496.205631	257.035355	1096.01937	0.36553419	9.26426167	13.9307593	7.12704878	30.6876039
8164	ASMB	NonEnzymeRegulator	1.69909546	11.3999881	23.4133031	11.8130419	48.3254286	267.576223	1799.80428	3694.6854	1805.40306	7567.46897	39.5027225	264.73332	543.215581	271.932778	1119.3844	1.13553351	7.5364646	15.3212738	7.58486762	31.5781395
8172	QIPA	NonEnzymeRegulator	4.8320361	31.1768067	11.2156002	2.06121078	49.2856537	723.397111	4781.43408	1753.44686	315.302213	7573.58025	110.988911	719.153884	258.883003	47.1813922	1136.20719	3.19172023	20.4281045	7.17264745	1.25481338	32.0472856
8184	EIRA	NonEnzymeRegulator	1.9578546	13.2844116	25.2215432	5.60595975	46.0697691	295.506984	2043.95877	3765.56164	844.304466	6949.33186	45.1872157	306.935641	578.484481	129.125065	1059.7324	1.27946241	8.72596899	16.2330269	3.66449355	29.9029518
8192	CNQA	NonEnzymeRegulator	1.95387325	12.520286	24.1250522	10.812339	49.4115505	299.156078	1923.95438	3666.2541	1607.55868	7496.92324	45.0237918	288.714624	555.015508	247.690331	1136.44426	1.28441689	8.21910933	15.702691	7.00783371	32.214051
8202	GRRB	NonEnzymeRegulator	1.81263665	11.9743303	26.7124857	7.63604596	48.1354985	271.632424	1796.57034	4006.25083	1123.55285	7198.00645	41.7284232	275.426612	613.365632	174.341994	1104.86266	1.19536147	7.81426085	17.4106352	4.89801369	31.3182712
8213	VRDB	NonEnzymeRegulator	1.64049518	12.8809576	22.1702511	10.3460149	47.0377187	255.668714	1971.05003	3348.63624	1536.98172	7112.3367	38.001872	296.977489	509.167812	236.939418	1081.08659	1.07106219	8.38360221	14.3609486	6.66993909	30.4855521
8221	QW9A	NonEnzymeRegulator	2.50117124	15.410761	24.4440699	6.31262092	48.6686231	394.627977	2378.62058	3767.15535	956.92206	7497.32597	58.1098669	356.680739	564.055619	144.905978	1123.7522	1.66343115	10.168492	15.8535922	4.03236065	31.7178761
8232	XWVA	NonEnzymeRegulator	1.53196557	15.2704263	23.9641771	7.54535111	48.31192	236.298283	2324.89453	3589.88978	1111.53861	7262.6212	35.3503311	352.050135	550.896954	172.575039	1110.87246	0.99145309	9.95825974	15.6514016	4.85409657	31.455211
8243	S0AA	NonEnzymeRegulator	0.39972703	9.83034137	23.7644732	14.6535241	48.6480657	56.8888547	1423.04193	3427.21562	2081.4302	6988.57661	9.08295109	224.404614	541.228079	332.520487	1107.23613	0.2557019	6.32908567	15.1458955	9.22735587	30.958039
8253	E4GA	NonEnzymeRegulator	1.17078702	19.1259394	18.8310872	10.5895737	49.7173873	173.356313	2876.31313	2906.54166	1647.97741	7604.18851	26.8217614	440.430301	434.773244	244.824744	1146.85005	0.75770498	12.4256661	12.2840326	6.94097198	32.4083757
8262	GUDA	NonEnzymeRegulator	1.23884902	30.4220899	11.2533769	3.13062781	46.0449437	185.356485	4626.9885	1705.17173	494.209083	7011.7258	28.4782523	700.721782	258.556901	72.3784314	1060.13537	0.82458482	19.8704479	7.18136135	2.00434136	29.8807354
8273	ULJA	NonEnzymeRegulator	0	17.1794818	18.7159219	11.9614072	47.8568109	0	2695.01011	2917.57497	1827.56203	7440.14711	0	398.696158	433.796016	275.543503	1108.03568	0	11.3944348	12.3152405	7.71995961	31.4296349
8283	PFEA	NonEnzymeRegulator	4.65483061	27.0218941	13.6535126	2.78301372	48.1132511	709.635101	4159.88743	2076.37411	410.064974	7355.96162	107.170034	623.878115	314.191925	63.4508905	1108.69096	3.01308981	17.7460615	8.86256877	1.74939747	31.3711176
8291	WLZA	NonEnzymeRegulator	0	13.4156307	26.0139137	10.8809578	50.3105022	0	2138.19681	4083.82456	1665.60798	7887.62934	0	311.94354	601.387898	250.678105	1164.00954	0	8.83064367	16.7838635	6.94064015	32.5551474
8303	PFTA	NonEnzymeRegulator	3.22978946	20.4956886	20.9933048	2.07679079	46.7955736	477.890721	3095.27359	3197.4515	306.760366	7077.37618	73.9242179	470.222154	482.188608	47.3339064	1073.66889	2.12790191	13.3060108	13.5152527	1.31734992	30.2665154
8312	A6ZA	NonEnzymeRegulator	1.13821734	10.0447247	24.882113	12.0661296	48.1311846	186.125684	1574.22842	3806.69713	1809.7763	7376.82754	26.6839464	232.930395	573.534525	276.375009	1109.52388	0.78105938	6.6560152	16.1528799	7.66410499	31.2540595

8321	GBSA	NonEnzymeRegulator	1.267417	10.6590973	26.5551504	8.89327183	47.6466228	186.282665	1605.47753	4049.70393	1389.74866	7275.37441	28.9301006	244.603549	611.122901	205.767846	1096.77459	0.81518386	6.85807722	17.0937854	5.77043139	30.7194525
8331	SFSA	NonEnzymeRegulator	0.98104028	10.5824479	23.324801	13.6147422	48.5030313	165.437288	1720.60298	3694.23911	2098.59747	7678.87685	23.2194533	247.488437	541.312445	313.9914	1126.01174	0.68737418	7.16277287	15.3284477	8.76842177	31.9470165
8343	UW3A	NonEnzymeRegulator	4.28148587	23.2828932	17.1859702	2.44032626	47.1906755	641.913872	3506.88994	2531.36589	350.302676	7030.47237	98.4007983	535.437232	393.314116	55.3313763	1082.48352	2.76322009	15.1115611	11.0584437	1.52397327	30.4571982
8353	K2ZA	NonEnzymeRegulator	3.514833	17.8340166	20.5879507	8.38015202	50.3169524	549.182625	2678.04372	3118.71771	1279.56526	7625.50932	81.2383686	409.348049	473.114884	192.520483	1156.22179	2.30878925	11.6174867	13.2603022	5.34908637	32.5356645
8361	R6XA	NonEnzymeRegulator	3.635921	19.8050564	20.4781915	5.1982465	49.1174154	556.966073	3074.97101	3134.59601	774.258894	7540.79199	83.8360301	457.605328	471.290892	118.853214	1131.58546	2.36926124	12.9449206	13.2361567	3.31340658	31.8637451
8371	SG4A	NonEnzymeRegulator	1.67503179	14.9009396	24.4954449	6.829078	47.9004943	255.948801	2244.4156	3675.88947	1028.36663	7204.6205	38.6917255	342.691417	561.883766	156.84682	1100.11373	1.11162576	9.76457575	15.7498975	4.38750185	31.0136008
8383	CJSA	NonEnzymeRegulator	2.77640829	17.8449192	25.9649112	3.34592937	49.9321681	491.042417	3032.02912	4076.57092	549.535668	8149.17812	66.4330849	422.281422	603.365807	78.7781443	1170.85846	1.9616292	12.3720538	17.4011702	2.25993542	33.9947887
8391	MWQA	NonEnzymeRegulator	1.37472924	14.4211065	22.1511755	10.5457225	48.4927338	203.613383	2224.82639	3401.74689	1606.39522	7436.58188	31.5075458	333.098511	510.328751	242.890327	1117.82514	0.90365093	9.47200701	14.3549881	6.81230788	31.5429539
8404	ATEA	NonEnzymeRegulator	2.71747968	20.3403052	22.933034	3.49429061	49.6655885	438.496092	3274.19669	3619.50461	543.476695	7903.26019	63.5177522	474.772352	532.445065	80.7504741	1155.6307	1.82790151	13.5657515	15.1473016	2.29526807	32.9530439
8414	FS7A	NonEnzymeRegulator	7.19363065	19.4852482	15.4281447	6.5123255	48.6193491	1098.66929	2897.29535	2295.24109	1011.92965	7303.13538	166.25794	447.272277	353.705527	150.719255	1117.955	4.77432957	12.7548569	10.0323095	4.30582006	31.867316
8422	XTPA	NonEnzymeRegulator	1.78379345	13.2149796	23.269194	10.0225908	48.2905578	257.193979	1985.93631	3505.2127	1507.07441	7255.4174	40.5851716	303.05014	533.893513	229.996944	1107.52577	1.16374385	8.51052864	14.8908399	6.41559397	30.9807063
8432	O0AA	NonEnzymeRegulator	1.91694992	14.4797074	26.964898	6.37304966	49.734605	300.490851	2210.31837	4006.23141	949.634512	7466.67515	44.6132481	334.301221	618.25863	146.07483	1143.24793	1.30775761	9.55674473	17.5138878	4.10939989	32.48779
8443	NO2A	NonEnzymeRegulator	1.01800744	10.0684828	19.7518126	16.9632749	47.8015777	156.068963	1557.48541	3034.00834	2550.65895	7298.22167	23.4575369	232.942203	455.66199	388.798268	1100.86	0.65877556	6.65981209	12.9018645	10.846869	31.0673212
8451	XDNA	NonEnzymeRegulator	1.85148729	12.2372688	21.8107793	13.0810834	48.9806188	301.75699	1903.94223	3363.62532	2006.04935	7575.37389	43.4454965	283.297014	503.651633	301.179306	1131.57345	1.27008419	8.12649119	14.296245	8.46115467	32.153975
8463	U9RB	NonEnzymeRegulator	4.98263402	25.0587341	14.3519959	2.50836927	46.9017333	780.93909	3802.05658	2173.50646	360.431429	7116.93356	115.45764	576.539522	329.894261	56.8650574	1078.75648	3.28836434	16.1936887	9.21318462	1.55627785	30.2515155
8471	JI7A	NonEnzymeRegulator	0	6.69819067	30.9730995	13.4015003	51.0727905	0	1068.89335	4902.74851	2107.39086	8079.03273	0	155.882946	718.366618	309.730526	1183.98009	0	4.48952355	20.3213458	8.68546104	33.4963304
8483	KKFA	NonEnzymeRegulator	0.98026527	11.1222528	24.6168168	12.4787459	49.6807026	143.190897	1654.87347	3736.06852	1841.45293	7447.37911	22.3879492	254.771123	566.25492	285.022744	1139.47263	0.64288554	7.22704604	15.9754347	7.95716332	32.1065562
8492	BOGX	NonEnzymeRegulator	3.31460778	13.5811173	27.0741643	2.43409477	46.4039841	513.650351	2102.18684	4144.94057	379.627659	7140.40542	76.671667	313.846665	624.170263	56.1581081	1070.8467	2.20715055	8.87057521	17.4268042	1.5354342	30.0399642
8501	JR8A	NonEnzymeRegulator	1.42384593	19.1019809	23.933161	4.58438665	49.5172319	243.543437	3070.12007	3668.79497	674.252605	7724.34354	33.6893445	445.583021	552.427575	104.727671	1147.15509	0.96961894	12.7572325	15.5812853	2.88379949	32.4858476
8511	N62B	NonEnzymeRegulator	3.5358598	19.457503	18.7242017	5.5667288	47.2842933	549.788234	3006.03844	2817.05823	848.113325	7220.99822	81.7325241	450.261635	430.076589	128.075941	1090.14669	2.2893196	12.7272269	12.0995276	3.59933272	30.7154068
8522	HBTA	NonEnzymeRegulator	5.20336809	33.3884128	8.47738923	1.54614931	48.6153194	837.399305	5139.68999	1264.96906	224.408361	7466.46671	121.741141	770.856324	193.869204	35.0695113	1121.53618	3.52612183	21.6844439	5.40909746	0.96604321	31.5857064
8533	R5ZA	NonEnzymeRegulator	2.1061285	17.595887	25.2681747	3.75908363	48.7292739	311.084233	2724.05942	3941.42355	580.537223	7557.10442	48.2301412	406.240602	583.753997	86.7874048	1125.01214	1.36993497	11.4880652	16.3243559	2.43162506	31.6139811
8544	FZLA	NonEnzymeRegulator	7.77943301	22.0360014	13.631395	3.58869497	47.0355243	1194.01923	3381.37712	2009.51789	553.052495	7137.96673	179.642028	508.140629	311.368797	82.626369	1081.77782	5.11848991	14.3228651	8.69464252	2.30647479	30.4424723
8552	ZNRA	NonEnzymeRegulator	4.37775365	26.4402909	16.1280533	0.89918335	47.8452812	684.050064	3963.12751	2425.36601	144.905415	7217.449	101.441643	607.392938	369.941044	21.016247	1099.79187	2.92641822	17.1376755	10.2800191	0.571241	30.9153538
8563	S9XA	NonEnzymeRegulator	0.58753511	15.7665228	22.8978004	10.026245	49.2781033	91.6831732	2400.82731	3665.08797	1552.21515	7709.8136	13.6366002	363.183889	533.714083	231.687026	1142.2216	0.38751867	10.2847139	15.1815328	6.51059412	32.3643595
8573	ZRXA	NonEnzymeRegulator	9.04334109	16.0352203	14.6382648	9.37448491	49.0913111	1355.38211	2385.2623	2159.12386	1345.26902	7245.03728	207.377802	366.281144	333.58452	213.280448	1120.52391	5.80814047	10.1623838	9.24334453	5.88216707	31.0960359
8582	FCWA	NonEnzymeRegulator	7.25749651	18.3588956	15.920582	8.63666448	50.1736386	1122.55844	2831.82673	2469.15491	1314.49949	7738.03956	167.326376	422.856591	366.016187	197.353772	1153.55293	4.70547736	11.8449802	10.0887779	5.32934829	31.9685837
8593	URRA	NonEnzymeRegulator	1.64701947	7.12020809	25.4982699	14.6186082	48.8841056	254.8137	1067.94181	3852.5524	2212.75737	7388.06528	38.1073286	163.225574	584.500483	334.849382	1120.68277	1.11274885	4.66494895	16.3723648	9.24010132	31.3901639
8601	M4LA	NonEnzymeRegulator	2.25909924	13.497591	27.4288169	5.1407487	48.3262558	349.714158	2158.53479	4245.69455	766.882048	7520.82555	52.2237405	314.383353	634.131398	117.775747	1118.51424	1.50226224	9.04383758	17.9953342	3.27109443	31.8125284
8612	Y78A	NonEnzymeRegulator	1.63764903	14.092248	23.0646541	8.06917004	46.8637211	262.145803	2167.22669	3472.28303	1210.599	7112.25452	38.174345	325.109551	529.472616	184.898855	1077.65537	1.10121921	9.25106686	14.9109987	5.13560281	30.3988876
8623	IB5A	NonEnzymeRegulator	2.06845822	12.6881982	23.051182	10.0543664	47.8622048	314.590176	1907.94906	3457.49863	1531.42631	7211.46417	47.6641461	291.353112	528.576189	231.345449	1098.9389	1.36688077	8.21876936	14.8481518	6.47763951	30.9114414

863	1BKRA	NonEnzymeRegulator	0.88254638	11.8141437	28.930092	7.67500329	49.3017854	141.169098	1860.11811	4490.08397	1167.27941	7658.65059	20.59671	274.350194	669.1608	176.655679	1140.76338	0.59105531	7.80224494	18.954762	4.97996809	32.3280303
864	3SZ3A	NonEnzymeRegulator	2.48984989	20.336003	19.411014	5.72162791	47.9584948	380.828088	3044.3808	2899.67368	874.534179	7199.41675	57.4792295	466.812143	445.443437	132.085968	1101.82078	1.63492917	13.106117	12.5265742	3.74310316	31.0107235
865	1K7CA	NonEnzymeRegulator	2.35599354	15.2754927	21.5978048	6.86948118	46.0987722	364.162912	2380.31232	3249.87191	1029.92421	7024.27134	54.4400797	353.584949	496.215139	157.944744	1062.18491	1.53541793	10.0096981	13.9722079	4.45614952	29.9734734
866	1ZK5A	NonEnzymeRegulator	4.37806758	18.9787279	15.9598528	7.31783525	46.6344836	682.456034	2892.65528	2463.09517	1123.23739	7161.44388	101.429917	436.971935	368.901975	168.818293	1076.12212	2.87775511	12.2847874	10.478367	4.73679668	30.3777062
867	2DRXA	NonEnzymeRegulator	9.1349956	11.4928988	8.44399729	11.3062092	40.3781009	1322.56242	1697.67159	1259.8264	1692.43381	5972.49424	208.638195	263.608877	194.111565	260.151974	926.51061	5.90704376	7.38464941	5.41658199	7.27600528	25.9842804
868	3R2QA	NonEnzymeRegulator	3.2712866	17.4344569	24.0665826	3.98337385	48.7556999	482.68292	2613.76117	3623.75106	592.132116	7312.32726	74.9012401	400.036148	552.513792	90.9418689	1118.39305	2.1184167	11.3370821	15.5364721	2.47087004	31.4628409
869	1VKKA	NonEnzymeRegulator	3.75067398	22.4086089	20.9687552	3.18228528	50.3103233	588.200424	3356.17015	3183.59332	494.852884	7622.81678	87.3860243	514.381743	482.846122	73.4424121	1158.0563	2.56061858	14.5565131	13.5245369	2.02264242	32.664311
870	1W0HA	NonEnzymeRegulator	1.71493482	9.85420225	18.9694747	19.1262097	49.6648215	260.581734	1518.74649	2901.06292	2888.75572	7569.14686	39.5321276	227.665435	437.346972	439.689739	1144.23427	1.13374899	6.48464357	12.4068042	12.345505	32.3707018
871	3IWFA	NonEnzymeRegulator	6.88770821	34.846793	6.89333479	1.70729829	50.3351343	1047.14126	5219.07743	1044.92516	263.629529	7574.77338	158.334795	798.461473	158.522724	39.4584544	1154.77745	4.50670581	22.4767381	4.46968534	1.10086979	32.553999
872	2XETA	NonEnzymeRegulator	0	23.109125	18.6406063	5.85984013	47.6095714	0	3410.18245	2795.59835	846.246024	7052.02682	0	528.158205	426.797022	133.06794	1088.02317	0	14.9655339	11.9422532	3.64930147	30.5570885
873	1RV9A	NonEnzymeRegulator	2.97313067	16.9918804	22.9178653	3.16867768	46.0515541	446.138289	2579.45613	3448.68767	479.522923	6953.80502	68.4262257	391.177496	526.382675	72.9871039	1058.9735	1.94775255	11.0486219	14.7120378	2.06137216	29.7697844
874	3OV9A	NonEnzymeRegulator	11.7974527	32.0634823	2.5964522	2.2719575	48.7293447	1820.45857	4873.1762	392.03581	352.451612	7438.12219	272.82113	737.978363	59.6066599	52.5309417	1122.93709	7.69367843	20.7609112	1.64791039	1.46047416	31.5629742
875	1EUVA	NonEnzymeRegulator	2.67109729	12.5069331	27.8137445	6.53550869	49.5272836	410.44663	1939.67268	4249.27504	957.72334	7557.11769	61.9988974	290.001996	640.932387	149.126129	1142.05941	1.79935285	8.31949626	18.0679088	4.10969204	32.29645
876	1V7WA	NonEnzymeRegulator	2.79574857	16.5289874	21.998786	6.85977809	48.1833	456.255485	2633.49409	3432.97255	1045.64445	7568.36657	65.4593349	384.650537	509.395181	157.767202	1117.27226	1.87542214	10.9390879	14.3992643	4.39548231	31.6092567
877	3BOGA	NonEnzymeRegulator	5.36292134	12.4567969	9.66704591	7.00229499	34.4890591	776.911402	1789.37513	1338.79756	951.226736	4856.31083	120.992309	281.195857	217.680925	158.056377	777.925468	3.14728061	7.38537553	5.78672224	4.2066247	20.5260031
878	1WPUA	NonEnzymeRegulator	2.24214221	16.7519769	17.2389496	11.6894404	47.9225091	344.407791	2539.5494	2608.90237	1760.3002	7253.15975	51.6952446	384.789565	395.618827	267.869096	1099.97273	1.48646747	10.8791465	11.02056	7.42532403	30.8114979
879	2ICUA	NonEnzymeRegulator	1.82735035	9.76377832	23.9935801	12.9036631	48.4883719	284.385668	1565.8305	3809.75466	2010.79815	7670.76899	42.4198121	227.474344	556.861488	297.991892	1124.74754	1.23173111	6.54809294	15.7444908	8.34270302	31.8670179
880	1DK8A	NonEnzymeRegulator	8.11959412	29.6257107	9.57475651	2.04088084	49.3609421	1288.63186	4554.26463	1419.78078	283.909137	7546.5864	189.214325	683.927394	219.355793	45.9822879	1138.4798	5.45145792	19.4432068	6.14299439	1.2581172	32.2957763
881	3GKJA	NonEnzymeRegulator	1.93581673	23.3393294	17.9137974	3.72577637	46.9147199	291.271058	3595.29265	2672.41555	522.912098	7081.89136	44.7321639	540.774992	412.18643	84.5852164	1082.2788	1.28799363	15.3867373	11.5651442	2.30564188	30.545517
882	1UGXB	NonEnzymeRegulator	3.11533343	11.9836763	11.9997902	17.0838711	44.182671	445.635733	1753.62489	1852.14742	2577.55922	6628.96726	70.8365747	273.511933	277.186336	392.05898	1013.59382	2.03713184	7.8094973	7.87468073	11.0351362	28.7564461
883	2NR7A	NonEnzymeRegulator	4.19903575	25.4472645	14.9500603	4.95146086	49.5478214	699.017945	3997.52749	2224.2019	739.700079	7660.44741	98.6691578	589.371329	341.636357	113.001949	1142.67879	2.87248219	16.8189868	9.52652308	3.08026545	32.2982575
884	1SZHA	NonEnzymeRegulator	1.9278898	12.1474749	21.1578124	13.3466632	48.9142419	275.59157	1802.42297	3171.30314	1989.89514	7289.54474	43.8937809	278.162683	486.193934	306.011317	1121.99468	1.21551054	7.7507255	13.6690271	8.49516668	31.3484225
885	4FB2A	NonEnzymeRegulator	1.67290544	10.9063732	24.0170248	12.1571038	48.7534073	258.920224	1723.0525	3732.48667	1826.82772	7541.2871	38.667791	253.187538	554.951621	278.676503	1125.48345	1.09834177	7.19484654	15.6541946	7.78823371	31.7356166
886	3FDYA	NonEnzymeRegulator	4.07260875	25.9789204	14.62093	3.14469632	47.8171555	622.309986	4014.23111	2222.38539	473.404476	7332.33096	93.9126713	600.388309	336.543278	72.2781738	1103.12243	2.6359528	16.9352484	9.45242072	2.01617887	31.0398008
887	4EBGA	NonEnzymeRegulator	1.56707514	16.0508509	22.2446558	10.3153053	50.1778871	246.92266	2419.34911	3332.43585	1540.63663	7539.34425	36.5011566	369.0309	510.249367	236.181389	1151.96281	1.06546409	10.4276323	14.2864859	6.58106567	32.360648
888	1MUWA	NonEnzymeRegulator	5.59107226	25.2698149	14.2052675	2.93250779	47.9986625	883.889635	3935.0298	2169.44028	437.15062	7425.51034	129.835072	584.200165	326.069082	67.1445749	1107.24889	3.69768573	16.4770945	8.97838235	1.85917102	31.0123336
889	3GO5A	NonEnzymeRegulator	5.91546125	19.7450891	14.6357136	9.03124191	49.3275058	931.066711	3059.2232	2202.1905	1342.01779	7534.4982	137.187482	455.462283	336.087868	206.836556	1135.57419	3.91373371	12.8431148	9.52173593	5.84727232	32.1258568
890	3ATVA	NonEnzymeRegulator	2.27474168	15.5912829	23.7520738	6.21598922	47.8340876	331.258855	2316.43102	3572.67634	940.388288	7160.7545	51.9053126	356.87784	544.683539	142.745811	1096.2125	1.45163951	10.015134	15.2771119	4.01390854	30.757794
891	2W40A	NonEnzymeRegulator	1.83001576	16.2438575	24.1860523	6.38019285	48.6401184	275.97194	2461.47099	3639.79908	947.878189	7325.12021	42.0093361	373.88966	556.134465	146.182137	1118.2156	1.17175832	10.5999174	15.7745824	4.10773721	31.6539954
892	1MNNA	NonEnzymeRegulator	3.30170575	17.5090789	22.6224054	6.09852087	49.5317109	501.170173	2701.18685	3449.37646	933.785469	7585.51895	75.934055	404.312398	520.79461	140.340439	1141.3815	2.15568705	11.4632569	14.6685354	3.92090406	32.2083834
893	1K92A	NonEnzymeRegulator	6.33860808	21.7322549	12.9076638	7.24769422	48.226221	978.044254	3312.80763	1973.19488	1071.15645	7335.20321	146.341038	500.230069	297.891746	165.794259	1110.25711	4.10458374	14.0196455	8.43381086	4.62173259	31.1797727

894	2PRVA	NonEnzymeRegulator	5.7820765	30.9231287	10.3331798	1.96713045	49.0055154	905.403992	4797.22577	1608.45613	325.069379	7636.15528	134.523667	716.062334	239.068448	46.3078667	1135.96231	3.92039879	20.4058732	6.71655848	1.30259106	32.3454216
895	3S4EA	NonEnzymeRegulator	2.27193402	20.6186416	22.3590873	2.65363175	47.9032946	341.92777	3140.26556	3368.29184	391.712191	7242.19736	52.1539179	475.111758	513.887338	60.6798895	1101.8329	1.49142479	13.5576065	14.501582	1.68261951	31.2332328
896	2Y6HA	NonEnzymeRegulator	0.84720036	12.90592	24.1964516	8.58321494	46.5327869	132.216424	2010.58054	3653.97783	1251.17581	7047.9506	19.5851482	298.558218	555.974744	195.678443	1069.79655	0.55647959	8.49373584	15.6507639	5.4308723	30.1318517
897	1KAFA	NonEnzymeRegulator	1.94514417	11.2105268	29.3309981	7.18533422	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63468	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.31524579	18.9053222	4.60031207	32.1118516
898	2RBDA	NonEnzymeRegulator	4.43144537	24.4824654	15.8686926	3.2272323	48.0098357	652.969291	3731.9865	2440.01976	491.553192	7316.52874	101.244981	563.463672	365.292714	74.1018088	1104.10318	2.83844253	15.8749237	10.2307546	2.03931553	30.9834364
899	3FCIA	NonEnzymeRegulator	1.97524363	12.6264512	24.8621691	9.64985626	49.1137203	301.114161	2005.68877	3979.44808	1516.74105	7802.99205	45.5789922	293.623397	578.070627	223.816259	1141.08928	1.32222634	8.41749564	16.3601854	6.35571302	32.4556204
900	3BT5A	NonEnzymeRegulator	2.85274009	20.4465326	18.4488069	6.71555176	48.4636314	449.253475	3083.52883	2757.97543	1016.64851	7307.40625	66.0490243	469.545359	422.679276	154.060878	1112.33454	1.81195958	12.9548443	11.6693916	4.26051249	30.696708
901	3H4TA	NonEnzymeRegulator	1.55400274	12.4830841	21.6662013	10.31369	46.0169781	228.259296	1911.11578	3260.01652	1537.31918	6936.71078	35.3790264	287.445051	496.763642	235.585861	1055.17358	0.97317424	8.07324825	13.8994235	6.51223344	29.4580794
902	3G5TA	NonEnzymeRegulator	1.73894421	15.5317903	23.7530551	8.42088798	49.4446776	278.947461	2451.78099	3677.42786	1291.88906	7700.04537	40.6136065	360.554118	549.000982	193.623542	1143.79225	1.16701255	10.2487927	15.595019	5.40433921	32.4151635
903	2QKVA	NonEnzymeRegulator	5.20722053	30.7678549	9.92124828	2.08254889	47.9788725	747.522832	4506.48582	1456.899	318.409884	7029.31754	118.770615	703.348267	226.587798	47.693534	1096.40021	3.35687406	19.900166	6.35228825	1.30947839	30.9188067
904	1XT5A	NonEnzymeRegulator	2.56560896	16.98004	20.7663662	7.29810236	47.6101175	410.743702	2653.37072	3222.06484	1116.1397	7402.31896	59.7974787	392.962964	479.768076	167.871405	1100.39992	1.71917416	11.1764548	13.524669	4.68994589	31.1102438
905	1M1FA	NonEnzymeRegulator	2.78172728	10.5774387	22.0399455	12.5325308	47.9316423	416.791768	1593.43069	3268.28666	1881.44436	7159.95347	63.7151212	242.548586	503.531174	286.606206	1096.40109	1.80879522	6.80000693	13.9747687	7.90994769	30.4935185
906	3EYEA	NonEnzymeRegulator	1.97260834	11.6606098	25.5368206	9.79219718	48.9622359	293.369957	1759.25256	3830.12144	1465.89357	7348.63752	45.1644128	267.561843	585.651856	224.644613	1123.02272	1.27542528	7.54151768	16.5615021	6.31404599	31.692491
907	3IMKA	NonEnzymeRegulator	3.50193295	17.4894797	24.7482903	2.03208911	47.771792	511.678829	2634.29227	3772.18593	297.041422	7215.19846	79.8005312	401.225049	569.116482	46.305409	1096.44747	2.24658025	11.3062014	16.0160765	1.26668378	30.8355419
908	3Q46A	NonEnzymeRegulator	2.24206193	13.234559	26.6321508	7.63365114	50.0426694	336.754653	2029.56517	4088.76264	1182.46203	7683.7157	51.7381339	306.175341	615.130643	176.788648	1156.7712	1.49747784	8.8069835	17.4687395	5.04414872	33.0161107
909	2JHFA	NonEnzymeRegulator	1.90368019	13.8076821	21.9549833	8.96404744	46.6303931	287.973379	2048.14996	3261.71187	1301.57118	6899.40639	43.8888037	316.398195	503.295316	204.433431	1068.01575	1.24966585	8.98595388	14.1773311	5.69904142	30.1119923
910	2RBKA	NonEnzymeRegulator	1.64022474	11.1770313	22.2162778	12.682789	47.7163228	245.954432	1699.72792	3306.33706	1848.94345	7100.96287	37.7258311	257.774297	509.9843	289.864485	1095.34891	1.06956403	7.33034874	14.445531	8.1537053	30.9991491
911	2ENGA	NonEnzymeRegulator	1.13186729	9.63579093	22.5196998	12.8543845	46.3259603	179.312894	1514.99495	3614.43692	2007.53318	7342.23811	26.303611	223.95734	525.476426	297.590821	1077.51218	0.74780201	6.33172944	14.9161031	8.34454033	30.4544033
912	2Y24A	NonEnzymeRegulator	2.31861407	16.7090222	21.3273132	7.34171564	47.6966651	382.371846	2560.90355	3234.05364	1093.47742	7270.80645	54.594502	385.532598	490.701515	168.295367	1099.12398	1.58615608	10.9339987	13.8333585	4.72503836	31.0785517
913	2BWFA	NonEnzymeRegulator	1.30158617	25.6546467	19.0710752	2.44292453	48.4702326	195.923617	3877.38999	2834.96112	351.440859	7259.71558	29.9238397	588.804687	436.029144	55.7201987	1110.47787	0.85418766	16.6046174	12.1222768	1.53995964	31.1210415
914	2FDNA	NonEnzymeRegulator	0	8.03274554	22.1752664	12.4519252	42.6599371	0	1154.186	3130.36642	1759.62073	6044.17315	0	183.80873	505.652155	283.601451	973.062337	0	5.17407294	13.9545189	7.81324557	26.9418374
915	1W53A	NonEnzymeRegulator	2.46078884	11.1523576	25.04478	12.3587376	51.016664	370.887652	1713.91214	3837.04969	1884.69919	7806.54867	56.4318385	256.928985	577.753195	285.839256	1176.95327	1.59653103	7.22645552	16.3644845	8.14481221	33.3322833
916	2V89A	NonEnzymeRegulator	3.8001444	19.6573469	21.8421963	3.11567516	48.4153627	632.753686	3128.46448	3476.64153	492.219175	7730.07887	89.8867347	459.444112	508.977549	71.9849005	1130.2933	2.59759348	13.0632303	14.4728948	1.99104119	32.1247598
917	1H2CA	NonEnzymeRegulator	4.15415514	24.935587	15.8445305	3.6972136	48.6314862	634.789401	3783.60049	2398.67283	560.146723	7377.20945	95.7988525	573.952473	364.766249	85.196162	1119.71374	2.76892991	16.3423676	10.3654489	2.43361757	31.910364
918	1GWMA	NonEnzymeRegulator	3.34504105	27.8454305	14.819053	2.23383873	48.2433633	518.047451	4324.97836	2278.14774	380.632878	7501.80643	77.3776389	644.398649	341.619421	52.5599188	1115.95563	2.22500105	18.3582244	9.51697306	1.41885188	31.5190504
919	2OZNA	NonEnzymeRegulator	2.08310063	17.6722063	18.3206454	7.7763152	46.2178632	296.774526	2558.93201	2663.41471	1111.22093	6681.35757	47.2654984	402.299126	417.588533	176.538002	1051.95634	1.33628759	11.3213258	11.6939769	4.91138694	29.4925423
920	1TQGA	NonEnzymeRegulator	3.24427745	24.5251552	18.4864818	2.24192123	48.4978356	478.649799	3602.23989	2665.67467	350.925743	7097.4901	74.3411329	561.434596	421.698819	52.2497224	1109.72427	2.10481736	15.8007158	11.8548873	1.48473151	31.2451519
921	3SU6A	NonEnzymeRegulator	4.74520228	27.2369223	13.1917966	1.38650723	46.5604285	730.787217	4084.13304	1946.48775	203.945688	6965.35369	109.427014	624.221069	300.521866	32.0421147	1066.21206	3.12580501	17.466855	8.21561219	0.88586696	29.6941391
922	1W7CA	NonEnzymeRegulator	5.63899119	25.6621052	14.5654838	2.41337461	48.2799548	890.383359	3985.0167	2223.44463	376.760191	7475.60488	130.820203	593.961667	335.835276	56.1188145	1116.73596	3.71205708	16.8413708	9.43602172	1.59742994	31.5868795
923	2X4WB	NonEnzymeRegulator	6.25330452	10.0244919	12.0915165	14.8347711	43.2040841	884.80351	1425.30168	1901.82614	2280.8932	6492.82452	141.025608	226.608206	278.330398	340.28366	986.247872	3.85284883	6.21757002	7.58410871	9.23728101	26.8918086
924	2W2EA	NonEnzymeRegulator	7.02669569	27.3740787	10.5461032	2.09702259	47.0439002	1077.35183	4330.13795	1663.17443	301.246001	7371.91021	162.543903	637.424505	244.88979	47.6762764	1092.53447	4.70434583	18.4655902	6.92000957	1.31442125	31.4043668

9253	DHAA	NonEnzymeRegulator	3.75018139	22.0652032	21.6189762	1.07433169	48.5086925	587.538458	3376.09355	3196.68142	158.201043	7318.51448	87.0386403	509.502933	494.891535	24.5089427	1115.94205	2.4903241	14.5206626	13.9152063	0.67843875	31.6046318
9263	KU3B	NonEnzymeRegulator	13.2018295	20.6272113	10.1753697	4.47457404	48.4789846	2017.06366	3178.58308	1577.60704	679.409013	7452.6628	304.314035	477.69417	235.449734	102.688468	1120.14641	8.57647509	13.4527699	6.62069209	2.83826269	31.4881997
9272	BAYA	NonEnzymeRegulator	1.82973659	20.9954862	23.1827838	2.4809705	48.4889771	277.549645	3072.0891	3353.28131	347.692082	7050.61214	42.2041522	479.429863	528.102517	56.2012652	1105.9378	1.21771695	13.54157	14.7797143	1.59610843	31.1351096
9282	H8EA	NonEnzymeRegulator	3.58922125	22.810946	18.9601987	4.14409064	49.5044565	546.812744	3507.44636	2916.7318	659.296782	7630.28769	82.598415	525.946738	437.490787	95.928904	1141.96484	2.33946206	14.8021143	12.1917362	2.57189408	31.9052067
9292	V2PA	NonEnzymeRegulator	3.81786604	20.8052205	17.1033425	7.31735149	49.0437805	574.88694	3152.08105	2630.35504	1115.80195	7473.12498	87.8114965	478.852064	394.587423	168.006381	1129.25736	2.49046314	13.5290132	11.0748739	4.64998019	31.7443304
9301	JF4A	NonEnzymeRegulator	0	9.83589228	19.1476976	16.5575588	45.5411486	0	1466.89624	2883.45261	2516.94095	6867.2898	0	225.935786	440.068551	381.012256	1047.01659	0	6.44030729	12.4215739	10.6554508	29.517332
9313	F40A	NonEnzymeRegulator	0.89804703	26.6630575	18.2328379	3.64984901	49.4437915	139.466859	4152.06868	2803.73487	554.547614	7649.81802	20.7702018	617.16638	420.515307	83.9217227	1142.37361	0.59689771	17.5361822	11.8203056	2.35687551	32.310261
9322	V03A	NonEnzymeRegulator	1.20049203	13.8990324	23.8189189	8.06571752	46.9841608	175.957744	2068.11479	3556.02852	1185.89223	6985.99329	27.4071576	318.530291	546.336636	184.181927	1076.45601	0.7581753	8.92197319	15.2824091	5.08189704	30.0444546
9331	EVLA	NonEnzymeRegulator	4.19893914	20.087312	19.3835134	5.84950781	49.5192723	655.131346	3170.70196	2965.36238	853.048522	7644.24422	97.3719672	466.43935	446.577443	133.463517	1143.85228	2.76906712	13.199416	12.5150186	3.69042113	32.1739229
9342	JE6A	NonEnzymeRegulator	4.5829292	23.7590463	15.4590805	4.33279038	48.1338463	659.63176	3487.53236	2274.32239	635.538738	7057.02525	104.271665	542.91742	353.502491	98.8662515	1099.55783	2.93730965	15.3717921	9.91837733	2.77571098	31.0031901
9353	PZWA	NonEnzymeRegulator	3.29421432	19.3706212	20.9183721	5.27393232	48.85714	516.267561	2995.07401	3188.46537	792.391778	7492.19871	76.3286454	447.511615	481.569351	121.204142	1126.61375	2.15936812	12.6882469	13.6086738	3.42618655	31.8824754
9363	FQ9A	NonEnzymeRegulator	0	21.3818647	23.7880657	2.42979711	47.5997275	0	3078.4828	3470.26911	378.02383	6926.77574	0	489.621448	546.921827	56.5410367	1093.08431	0	13.7261773	15.3008199	1.58413059	30.6111278
9373	B9WA	NonEnzymeRegulator	2.45464202	18.0615129	22.2614089	3.74697733	46.5245411	374.323134	2736.91967	3339.42758	569.358019	7020.0284	56.6426316	416.731397	511.341263	86.1325388	1070.84783	1.6291988	12.0528968	14.5636712	2.40850397	30.6542707
9382	AXWA	NonEnzymeRegulator	24.6314085	18.5741602	2.06599696	2.20537644	47.4769421	3906.8507	2815.27852	315.0537	416.711727	7453.89465	571.120946	425.327051	47.3752871	53.0592801	1096.88257	16.0068194	11.600345	1.30872272	1.42025121	30.3361384
9392	ZA4B	NonEnzymeRegulator	0	5.6491073	26.7334454	17.1191591	49.5017118	0	863.76387	4069.75674	2620.37954	7553.90015	0	130.05703	615.073023	394.857791	1139.98784	0	3.70956585	17.4641592	11.1635342	32.3372593
9403	F8XA	NonEnzymeRegulator	0	11.6051018	25.095909	11.0730788	47.7740895	0	1779.7936	3864.36064	1609.00274	7253.15698	0	267.928137	579.157217	251.891799	1098.97715	0	7.70324324	16.4471811	6.98871493	31.1391393
9411	YMTA	NonEnzymeRegulator	1.74959742	13.0950231	22.365251	12.0574306	49.2673021	268.843081	1982.74764	3330.60643	1822.24205	7404.4392	40.3504373	301.267296	512.612387	277.123963	1131.35408	1.15263638	8.55514194	14.4281615	7.76819159	31.9041314
9424	AAZA	NonEnzymeRegulator	3.88444813	14.0705126	22.5047417	7.42754142	47.8872439	576.277385	2108.38444	3378.0181	1105.61984	7168.29976	89.2218325	323.227984	516.632801	170.106633	1099.18925	2.45418492	8.91085363	14.3858342	4.68388003	30.4347527
9431	S9UA	NonEnzymeRegulator	1.89375307	14.52554	26.9480072	5.5456757	48.912976	299.767367	2350.64005	4296.58491	870.945539	7817.93786	44.0144286	339.118352	626.464382	128.32	1137.91716	1.2746966	9.76834495	17.8339093	3.59080257	32.4677534
9441	WUIL	NonEnzymeRegulator	1.75608841	12.9950241	22.7149348	10.6023799	48.0684272	276.33214	2021.89247	3516.3118	1591.21948	7405.75589	40.665057	300.452757	524.85491	243.183234	1109.15596	1.14017631	8.49372101	14.8556522	6.81866697	31.3082165
9454	E4RA	NonEnzymeRegulator	2.63882573	15.7070424	18.6657493	9.7639509	46.7755683	389.950887	2315.44142	2725.51337	1397.96364	6828.86931	60.413055	359.245019	425.756233	221.46632	1066.88063	1.71955682	10.1676137	11.9419701	6.13843837	29.967579
9463	FGHA	NonEnzymeRegulator	6.70146572	19.1885161	18.1446628	6.58120153	50.6158462	1062.36183	2966.90389	2783.21931	1023.17713	7835.66216	155.56467	442.609123	417.848311	152.236671	1168.25878	4.37834093	12.4146913	11.6404118	4.26212305	32.6955671
9473	JS8A	NonEnzymeRegulator	1.52766701	12.2170213	26.3122148	7.45933196	47.516235	237.553798	1876.73779	4089.04369	1156.95121	7360.28649	35.305926	281.723573	608.340262	172.43049	1097.80025	1.00071406	7.99875034	17.212744	4.87929492	31.0915033
9482	56BA	NonEnzymeRegulator	2.74419561	19.5457434	17.1846499	8.48384077	47.9584296	402.087862	2897.99705	2497.06036	1218.57434	7015.71961	62.6975084	446.87555	391.438383	192.888056	1093.8995	1.75612084	12.3805306	10.8541326	5.35026541	30.3410494
9491	WPAA	NonEnzymeRegulator	8.48663761	15.6352041	17.5328906	9.45091667	51.1056489	1258.27279	2361.09212	2732.21385	1444.02692	7795.60569	194.175898	358.760563	405.523718	217.86042	1176.3206	5.43492565	10.0733285	11.3896995	6.03897328	32.9369269
9502	IP6A	NonEnzymeRegulator	1.18909501	18.8224674	18.2408081	11.4173791	49.6697496	181.42147	2809.49979	2754.20961	1721.93752	7467.06838	27.4309079	430.895211	418.386924	261.617965	1138.33101	0.79169771	12.134817	11.7090151	7.26505099	31.9005808
9512	W7ZA	NonEnzymeRegulator	4.59323808	27.2312924	15.280274	1.37671975	48.4815243	730.21084	4307.44214	2294.46061	191.487354	7523.60094	107.042288	633.111191	351.102642	31.1394528	1122.39557	3.06954747	18.0568853	9.94732904	0.89141533	31.9651772
9523	OX7P	NonEnzymeRegulator	0	6.759527	23.2853141	16.2912834	46.3361244	0	1120.98633	3905.03744	2641.43272	7667.4565	0	159.253507	549.123922	381.262609	1089.64004	0	4.53017704	15.4521722	10.556812	30.5391611
9532	J6VA	NonEnzymeRegulator	1.56147465	11.0443619	25.462373	10.7888493	48.8570589	238.718104	1692.89569	3945.45297	1677.367	7554.43375	35.9329975	254.166426	586.609129	248.698026	1125.40658	1.01699472	7.13961479	16.3870623	6.92904838	31.4727202
9541	N4WA	NonEnzymeRegulator	1.7877376	13.4999324	24.4849444	7.74723863	47.5198531	272.409241	2050.84927	3770.05212	1188.8477	7282.15832	41.2446719	311.036053	564.926246	178.465884	1095.67285	1.17143362	8.83019893	15.9118923	4.9972801	30.9108049
9553	IPJA	NonEnzymeRegulator	7.47415903	35.7061578	5.17137288	1.02946524	49.9033759	1119.25466	5212.26569	753.290031	141.906697	7298.56346	171.334041	814.571779	117.654731	23.2051224	1138.54284	4.84131091	22.9317849	3.2427603	0.62608477	31.9644639

956	3C9UA	NonEnzymeRegulator	2.70403289	17.9311357	25.2156146	3.09420632	48.9449895	404.55932	2733.63166	3805.27127	454.109422	7397.57167	62.0542446	412.753069	579.795274	70.9301881	1125.53278	1.74580126	11.6964362	16.4458083	2.00307284	31.8911186
957	2NUHA	NonEnzymeRegulator	3.7745191	26.8445348	13.4431272	4.60302018	48.6652013	550.301014	3957.21813	2028.95081	758.451507	7294.92147	86.272768	613.292526	308.987227	107.76042	1116.31294	2.48689295	17.2190657	8.74143304	3.0789414	31.5263331
958	3KIZA	NonEnzymeRegulator	1.86745379	10.9180064	24.4736548	10.3059623	47.5650773	279.96936	1644.28204	3685.51516	1547.74478	7157.51134	42.7857345	250.777315	562.03874	236.325555	1091.92735	1.1848414	7.07051993	15.892697	6.6174531	30.7655114
959	1M22A	NonEnzymeRegulator	2.22447361	12.7937347	24.1972354	7.68148056	46.8969243	311.426138	1899.03896	3686.65473	1168.16631	7065.28615	50.373896	292.750439	556.242035	176.197516	1075.56389	1.4086963	8.21951012	15.5340273	4.86237265	30.0246064
960	3Q49B	NonEnzymeRegulator	6.98075771	25.5430455	14.067139	2.74556769	49.3365099	1086.28693	3913.55145	2170.36754	426.801241	7597.00716	161.731387	588.778861	323.884628	63.156751	1137.55163	4.57473433	16.5334436	9.01585505	1.72933278	31.8533658
961	2I5VO	NonEnzymeRegulator	4.92579077	18.7617047	17.7615099	5.88059481	47.3296002	717.051283	2660.28139	2518.52973	835.403277	6731.26568	112.080981	425.313891	402.605605	133.191276	1073.19175	3.1537237	11.9694016	11.2896956	3.66829131	30.0811122
962	2IMHA	NonEnzymeRegulator	4.73540335	28.4599325	10.7070171	1.92083315	45.8231861	699.96225	4278.29649	1648.33221	338.21577	6964.80672	108.125352	652.434075	246.237964	45.4821959	1052.27959	3.04323015	18.273689	6.78434471	1.23558147	29.3368453
963	2IT2A	NonEnzymeRegulator	2.864783	14.5247342	20.6628881	12.2869475	50.3393527	446.913318	2223.3445	3101.36638	1880.93898	7652.56317	65.9933868	333.908857	473.961111	283.227801	1157.09116	1.83240964	9.38443273	13.4339071	8.03164775	32.6823972
964	3SZVA	NonEnzymeRegulator	2.5789104	26.0915111	17.7926468	1.6672235	48.2701302	396.449468	4086.72522	2735.40661	255.125127	7495.42091	59.4768026	603.411379	409.694383	38.465867	1114.2987	1.68598012	17.0425397	11.4878417	1.08874904	31.3984467
965	3VMKA	NonEnzymeRegulator	3.88221514	22.3660443	19.6339424	0.99652853	46.9910088	565.160588	3308.90713	2974.09806	145.867328	7009.62719	88.9356114	512.121963	451.126985	22.6878845	1077.40201	2.50626467	14.3925872	12.5901937	0.60481707	30.1598551
966	2ZPMA	NonEnzymeRegulator	0	29.336533	12.8237015	4.20185641	46.3620909	0	4299.91076	1886.88995	609.94754	6796.74825	0	669.533995	292.521349	95.498575	1057.55392	0	18.8823955	8.15476922	2.63958386	29.6767486
967	3Q1CA	NonEnzymeRegulator	2.28078055	13.5157034	25.025515	6.59113184	47.4131307	335.653889	2013.21766	3697.24735	1007.94223	7054.06113	52.0336001	309.624636	572.3679	151.944921	1085.97106	1.45459754	8.67213298	15.9210371	4.20169707	30.2494647
968	3RPDA	NonEnzymeRegulator	2.6718506	14.0847406	28.519921	3.45418771	48.7306999	407.815031	2115.40469	4324.37179	519.361365	7366.95288	61.6511652	323.328985	655.184456	79.1241428	1119.28875	1.74756242	9.12047885	18.4367998	2.21804856	31.5228896
969	4F54A	NonEnzymeRegulator	2.83477463	12.5485901	26.1050087	6.38158296	48.1221339	431.955372	1990.21714	4177.68642	1011.16111	7647.31429	65.4536817	292.831827	610.317164	148.443231	1122.75987	1.884845	8.51023622	17.6344495	4.20840602	32.3936391
970	1TZPA	NonEnzymeRegulator	2.50961381	15.763592	23.6563137	6.06311841	47.9926379	393.342557	2473.12724	3605.60503	929.113563	7401.18839	58.1291012	365.174857	544.35423	139.700957	1107.35914	1.63432732	10.2967495	15.2364007	3.93842508	31.1059026
971	3U3LC	NonEnzymeRegulator	2.02063008	15.2830214	22.0830314	8.67602282	48.0627057	303.905	2312.43822	3388.93156	1324.33981	7329.61459	46.4341833	350.549644	508.049423	199.684646	1104.7179	1.31158098	9.80324925	14.0906157	5.52366312	30.7291091
972	2OVJA	NonEnzymeRegulator	1.00331284	12.4671905	21.7626377	13.4164617	48.6496027	152.420684	1867.09251	3280.73185	1950.19793	7250.44297	23.1343493	286.194517	500.509596	306.19211	1116.03057	0.66649109	8.1107008	14.0750938	8.52875371	31.3810394
973	1QLWA	NonEnzymeRegulator	3.97511142	22.7944589	16.7528282	3.77230332	47.2947018	606.056697	3549.97732	2570.97347	540.922085	7267.92957	91.6190674	528.573338	386.084586	85.610187	1091.88718	2.5898967	15.0526421	10.89041	2.37772846	30.9106773
974	1USMA	NonEnzymeRegulator	0.66577573	15.6802518	22.3433063	11.4725192	50.161853	106.423517	2474.24938	3560.23889	1889.61491	8030.52669	15.4413556	362.747473	518.005323	267.978301	1164.17245	0.43926022	10.1404468	14.4321782	7.54002697	32.5519122
975	3VL9A	NonEnzymeRegulator	4.02094982	26.727558	15.0222482	0.74088016	46.5116362	622.34759	4184.91946	2293.18676	117.451471	7217.90528	93.2467944	620.229152	346.269337	17.0445339	1076.78982	2.67661286	17.8285033	9.79981379	0.45779188	30.7627218
976	2A3NA	NonEnzymeRegulator	2.51443286	9.92286508	24.9988936	11.6166424	49.052834	383.64401	1545.58753	3860.56364	1815.35822	7605.1534	58.1004608	229.892008	576.764634	268.723923	1133.48103	1.66230797	6.59326176	16.2867185	7.56959137	32.1118796
977	3OIGA	NonEnzymeRegulator	2.48182425	17.9980788	23.0008897	3.6384193	47.1192121	368.938238	2690.73049	3433.72613	550.695273	7044.09012	56.9259981	412.475717	527.262976	83.4938334	1080.15852	1.61061971	11.6100227	14.7514393	2.31365786	30.2857395
978	2ILKA	NonEnzymeRegulator	5.54226727	14.1372786	16.5276018	13.6751174	49.882265	844.25893	2147.04033	2500.282	2072.14361	7563.72488	127.681875	325.196559	380.206951	315.663771	1148.74916	3.57654209	9.10796526	10.6611436	8.98540978	32.3310607
979	1P6OA	NonEnzymeRegulator	1.45341386	10.8085792	21.3644341	13.8328235	47.4592506	211.994857	1586.09434	3209.85248	2118.3663	7126.30797	33.2344698	247.569475	491.183226	319.131218	1091.11839	0.9300438	6.93517589	13.811099	8.96536175	30.6416805
980	3SP7A	NonEnzymeRegulator	1.26712418	11.1439094	25.4462682	11.0905453	48.947847	211.695249	1754.10472	4006.66419	1711.49658	7683.96074	29.9121367	258.762893	590.194075	256.474418	1135.34352	0.88326707	7.40406961	16.7180348	7.24973917	32.2551107
982	2XODA	NonEnzymeRegulator	2.00095682	7.53577083	26.8944499	12.0735019	48.5046795	291.384252	1116.43821	4099.77467	1863.02221	7370.61934	45.7238177	172.66877	619.546479	278.825519	1116.76459	1.31305166	4.91669781	17.530305	7.82051104	31.5805655
983	2Q9KA	NonEnzymeRegulator	2.79347122	17.5800693	22.3582069	6.53863592	49.2703834	442.903064	2691.09574	3378.44975	1008.29421	7520.74276	65.0476666	405.394533	513.163554	150.949475	1134.55523	1.90707482	11.5988587	14.3961872	4.25493728	32.157058
984	3U6GA	NonEnzymeRegulator	2.94539719	17.069036	20.7498831	5.63991638	46.4042327	424.104154	2515.73736	3136.28154	815.660066	6891.78312	67.1273716	390.243554	477.201797	128.196685	1062.76941	1.89970372	10.9389563	13.4832989	3.55332945	29.8752883
985	3RX9A	NonEnzymeRegulator	3.4274191	16.8478462	23.7872601	4.12302187	48.1855472	531.633186	2571.69492	3543.8529	581.574348	7228.75536	79.0496041	387.854719	544.363774	93.3435699	1104.61167	2.23322108	10.9922533	15.2462418	2.59312917	31.0648454
986	2YVTA	NonEnzymeRegulator	2.77176501	14.5657138	26.9023377	5.74085388	49.9806704	426.392284	2243.29556	4130.28868	894.157018	7694.13354	64.0301664	336.238634	620.148899	132.216566	1152.63426	1.84728129	9.62576316	17.5789953	3.6449326	32.6969724
987	2BFDB	NonEnzymeRegulator	2.4330385	12.7952015	22.1587286	10.3079342	47.6949029	390.92853	1969.05088	3350.99198	1552.99049	7263.96188	56.7108677	295.594408	510.101374	236.906034	1099.31268	1.6330268	8.42796438	14.4428332	6.66408955	31.1679139

988	1J98A	NonEnzymeRegulator	1.97982856	21.5146275	22.0085236	2.89163025	48.3946099	311.692506	3287.14594	3314.33491	418.827572	7332.00093	46.1081976	496.334901	505.368743	65.6799825	1113.49182	1.3371447	14.0633278	14.1434446	1.80365282	31.3475699
989	3IRPX	NonEnzymeRegulator	3.60280168	17.0802749	20.8078817	6.28981844	47.7807768	563.001742	2625.68398	3157.419	951.737092	7297.84182	83.3563586	394.532523	478.565054	144.504765	1100.9587	2.35693642	11.2606857	13.4784718	4.02485288	31.1209468
990	3KKGA	NonEnzymeRegulator	0.70602088	26.8796561	16.8644577	3.08411484	47.5342495	112.46502	4213.54213	2517.80435	447.660893	7291.47239	16.4384028	622.491901	386.469939	69.9909604	1095.3912	0.47148372	17.6845471	10.8359806	1.89079715	30.8828086
991	1HBNB	NonEnzymeRegulator	4.94099903	20.8857263	16.7529721	4.09958474	46.6792821	729.240027	3122.13582	2450.64106	595.708108	6897.72502	113.13247	479.576764	382.757403	93.7041481	1069.17079	3.18086999	13.5162368	10.755471	2.64523518	30.097813
992	3E8YX	NonEnzymeRegulator	0	15.4787456	18.5604873	12.177575	46.2168079	0	2306.41835	2779.30957	1801.2346	6886.96252	0	356.801571	428.425723	280.278785	1065.50608	0	9.96934808	12.0199289	7.88288561	29.8721626
993	3FGVA	NonEnzymeRegulator	0.5268399	14.1755319	24.9229887	10.082699	49.7080595	79.1052592	2144.268	3912.67808	1569.1507	7705.20203	12.0937193	325.863604	577.811741	232.835851	1148.60492	0.34516892	9.23853456	16.4257339	6.51145317	32.5208905
994	1NTHA	NonEnzymeRegulator	1.41326817	11.926701	23.4406077	10.2415058	47.0220827	211.720651	1757.69917	3463.0531	1540.52324	6972.99616	32.4531548	272.865698	537.52791	235.735624	1078.58239	0.90698454	7.63785623	15.1337451	6.6356261	30.314212
995	3MAOA	NonEnzymeRegulator	1.92077221	21.8327303	18.22351	5.31592019	47.2929327	317.232415	3421.24259	2831.57636	789.892706	7359.94407	45.191939	506.610406	421.629593	121.338541	1094.77048	1.3213582	14.4761553	11.8541734	3.32048916	30.972176
996	2CIWA	NonEnzymeRegulator	0.75907386	12.3826855	25.14262	8.66035306	46.9447324	116.077688	1965.2146	3864.42483	1299.69194	7245.40906	17.5122652	287.745936	580.220084	199.156684	1084.63497	0.49403334	8.17552121	16.3665806	5.59596063	30.6320957
997	3JYOA	NonEnzymeRegulator	1.73702324	10.4971707	23.6516703	10.2203963	46.1062606	261.993571	1567.25458	3486.98875	1495.28084	6811.51775	39.9423583	240.57828	540.400237	232.935694	1053.85657	1.11570865	6.71362885	15.0692074	6.46821625	29.3667612
998	2P9WA	NonEnzymeRegulator	3.46962542	18.8501268	24.4907883	0.5844581	47.3949987	515.373964	2916.08479	3789.7333	105.920745	7327.1128	79.498017	435.729417	565.171523	13.9665668	1094.36552	2.25787446	12.3751405	15.8397434	0.38035492	30.8531134
999	3A09A	NonEnzymeRegulator	1.11880632	13.6145936	26.728918	8.31584577	49.7781637	180.735661	2189.21131	4182.53091	1269.94185	7822.41973	26.0781316	317.656168	620.094735	191.478311	1155.30735	0.73443393	9.04779191	17.7158497	5.41007834	32.9081539
1000	1M0KA	NonEnzymeRegulator	1.79423421	18.0024478	21.8837943	7.24438219	48.9248585	283.261614	2764.54769	3395.02692	1137.54431	7580.38054	41.757472	416.848646	507.416822	168.326282	1134.34922	1.21234186	12.1229538	14.7454183	4.80680094	32.8875149
1001	2Y7LA	NonEnzymeRegulator	5.40863902	21.685233	15.0642311	4.02998533	46.3432976	819.111669	3306.2724	2255.97438	589.695073	6994.35405	124.610063	500.044424	346.438831	91.9357154	1066.59306	3.56467387	14.2655282	9.81353865	2.54928292	30.2951673
1002	3KYJB	NonEnzymeRegulator	2.25785333	14.3802714	25.8750924	4.33451746	47.1612977	315.815167	2078.36852	3850.06346	630.60964	6916.27479	51.4183214	328.278379	593.110712	98.832888	1078.63836	1.46928725	9.22902107	16.5555743	2.73506875	30.1803761
1003	1WTJA	NonEnzymeRegulator	1.97903731	14.7723709	22.927402	6.88654561	46.5653558	319.429943	2256.19188	3477.73191	1037.62062	7090.97435	46.2290802	340.269124	526.593798	157.513486	1070.60549	1.32697804	9.58318849	14.7592338	4.31937975	29.9887801
1004	2P8GA	NonEnzymeRegulator	1.32854376	14.6062962	24.0561267	9.96363389	49.9546006	215.577461	2322.54799	3767.88487	1546.83276	7852.84309	31.046068	339.617307	557.48131	230.201595	1158.34628	0.88764822	9.68179656	15.7931734	6.47972349	32.8423416
1005	1YE8A	NonEnzymeRegulator	2.32555529	12.9901356	25.4301372	9.84709361	50.5929217	347.76878	1936.14253	3841.98456	1490.95392	7616.8498	53.367592	297.312258	583.259069	225.895013	1159.83393	1.53402949	8.45813823	16.4249061	6.33331944	32.7503932
1006	1XMTA	NonEnzymeRegulator	0.92997433	15.9410983	23.0724534	9.34907482	49.2926008	145.174909	2499.90486	3629.40422	1457.46909	7731.95308	21.6047115	370.006665	534.833128	216.012732	1142.45724	0.61306165	10.5465015	15.1688699	6.07756512	32.4059982
1007	3ORUA	NonEnzymeRegulator	2.28395425	15.5837568	25.7928163	4.04943466	47.709962	364.312065	2376.86639	3968.91345	633.782605	7343.8745	53.1509748	358.238078	592.643897	93.6074879	1097.64044	1.52642898	9.96289603	16.334789	2.59999444	30.4241084
1008	1MK0A	NonEnzymeRegulator	1.51480669	7.37249694	27.1451963	14.4621943	50.4946942	235.028459	1159.589	4250.56983	2232.15139	7877.33868	35.1124633	171.116635	628.286001	333.788633	1168.30373	1.01120338	4.88172446	17.8350822	9.43002158	33.1580316
1009	2I51A	NonEnzymeRegulator	3.81359477	17.1591405	21.6110106	7.12258254	49.7063284	601.646949	2702.08992	3479.95582	1128.87687	7912.56956	88.4553125	397.457527	502.361549	164.979982	1153.25437	2.54698337	11.2143149	14.0368655	4.62155273	32.4197165
1010	2WZOA	NonEnzymeRegulator	2.75887878	18.0279036	18.4490814	7.82508633	47.0609501	445.048124	2757.12731	2806.22858	1149.49815	7157.90217	64.578998	416.293675	425.275104	179.44951	1085.59729	1.85987133	11.8455556	12.0037403	5.03936035	30.7485275
1011	2CMPA	NonEnzymeRegulator	0.92171781	16.2900893	25.0122338	6.13722457	48.3612655	148.256215	2452.69296	3765.22018	913.870362	7280.03971	21.5592357	373.844186	573.323145	139.988239	1108.71481	0.62199499	10.4765652	15.9617888	3.88589472	30.9462437
1012	3HJ4A	NonEnzymeRegulator	2.04104546	16.5162928	24.9989808	5.46544259	49.0217616	305.772658	2541.35377	3911.14472	832.728252	7590.9994	46.8522072	380.853795	577.805761	125.625062	1131.13683	1.31948641	10.7348056	16.1605207	3.50975864	31.7245713
1013	1DY5A	NonEnzymeRegulator	1.95402571	12.3541842	22.9224343	9.48374862	46.7143928	310.264423	1882.33855	3407.17421	1428.09914	7027.87632	45.4429107	284.699105	525.721912	218.10293	1073.96686	1.27929379	7.91671831	14.5095208	6.04431598	29.7498488
1014	1QL0A	NonEnzymeRegulator	1.61109311	10.1014211	24.370238	11.4048536	47.4876058	258.35005	1598.75757	3735.60016	1675.41935	7268.12712	37.5389343	234.60567	561.409509	260.422047	1093.97616	1.07909674	6.69422354	15.8098976	7.26274829	30.8459661
1015	3B5OA	NonEnzymeRegulator	2.54641845	24.9863343	18.7191188	1.85413643	48.106008	384.648818	3819.81659	2847.95011	270.13335	7322.54887	58.6629233	575.808254	430.685675	42.352123	1107.50897	1.68681111	16.3647097	12.1508538	1.19765705	31.4000317
1016	3C5KA	NonEnzymeRegulator	2.73471433	14.7468312	24.2542674	5.45551482	47.1913277	439.046368	2319.96623	3856.05048	870.287523	7485.3506	64.0691511	343.271559	564.610223	127.204882	1099.15582	1.86340297	9.85075105	15.9273069	3.52712505	31.168586
1017	2RA9A	NonEnzymeRegulator	3.10718908	17.2063721	18.9217753	9.60980076	49.2039226	484.514888	2641.81987	2938.17954	1464.90592	7580.31863	71.9693532	396.895897	438.245477	221.293558	1136.54348	2.08554867	11.3259091	12.570803	6.26587629	32.4754443
1018	3TG0A	NonEnzymeRegulator	2.72123896	18.1666182	19.7318323	5.07909832	45.6987878	386.369257	2706.35103	2912.83179	755.632172	6761.18426	61.7272399	416.149818	450.79984	115.938686	1044.61558	1.71855506	11.6479514	12.5174742	3.18094553	29.0649262

1019	1LLFA	NonEnzymeRegulator	1.57981015	11.0883519	23.6438468	10.5114292	46.823438	242.364627	1734.37146	3593.74993	1543.20577	7113.69178	36.6132229	257.434319	545.083752	240.084475	1079.21577	1.05240104	7.37690354	15.4801413	6.70982628	30.6192721
1020	1UGIA	NonEnzymeRegulator	2.42682347	7.69433713	22.9170653	15.1496791	48.187905	352.308816	1131.31004	3269.62744	2122.48664	6875.73293	55.5778005	176.260201	521.372266	343.046844	1096.25711	1.59942759	5.02354423	14.659167	9.44010405	30.7222428
1021	2V3IA	NonEnzymeRegulator	1.57379997	12.2378208	23.5328163	7.91471067	45.2591478	244.282383	1868.51802	3567.55261	1179.29203	6859.64504	36.6010146	282.939082	541.555752	181.641407	1042.73726	1.05289844	8.01893257	15.1382128	5.02455799	29.2346018
1022	1JEKB	NonEnzymeRegulator	10.22818	12.8242521	13.2662438	13.9352375	50.2539133	1502.31134	1927.96228	2076.46996	2325.75566	7832.49924	232.898071	293.34266	305.980829	326.238926	1158.46049	6.49699504	8.08720106	8.44037317	9.06538094	32.0899502
1023	2R01A	NonEnzymeRegulator	3.81416171	24.6597892	17.7064396	2.03863649	48.2190271	549.665315	3746.78238	2710.48083	295.260647	7302.18918	86.8060467	566.709256	406.999588	46.2366576	1106.75155	2.45777629	15.9194229	11.2985334	1.25488016	30.9306128
1024	3NDHA	NonEnzymeRegulator	6.09156226	31.3908428	11.1577296	1.48564681	50.3353531	908.714299	4769.35373	1783.58966	255.82132	7751.4567	139.545647	722.734279	259.196033	35.1945865	1161.55835	3.97210127	20.5444527	7.31107108	1.02581837	32.9920993
1025	3TE4A	NonEnzymeRegulator	1.40193331	11.9748025	27.7967715	8.03094022	49.2044476	209.816131	1809.40777	4245.04098	1211.42874	7475.69362	32.2204183	275.934806	641.492522	184.655527	1134.30327	0.92653206	7.86802729	18.1856955	5.18371707	32.1639719
1026	1IN4A	NonEnzymeRegulator	2.68806364	13.6778084	21.4152995	11.0931411	48.8743126	396.440271	2034.55751	3142.4604	1635.70563	7209.16381	61.3531744	312.943417	488.67136	253.728839	1116.69679	1.72683696	8.83085498	13.7142369	7.13749896	31.4094278
1027	3KH1A	NonEnzymeRegulator	4.57353983	27.2235481	15.1876746	1.96246799	48.9472305	720.192138	4191.57839	2336.44775	299.869721	7548.08801	105.778332	626.481476	349.608609	45.287375	1127.15579	2.9722488	17.4999638	9.78763893	1.28974704	31.5495986
1028	2CXNA	NonEnzymeRegulator	4.46413729	24.2204165	16.2526645	3.72559478	48.6628131	697.893602	3757.37098	2468.7337	542.178936	7466.17721	103.720457	560.395626	373.731858	84.7339225	1122.58186	2.96716662	15.9436499	10.5197183	2.35304308	31.7835779
1029	2AP3A	NonEnzymeRegulator	15.70922	21.0248636	11.7511505	1.70650416	50.1917383	2316.06397	3065.24888	1701.25501	261.085725	7343.65359	359.002541	478.870105	266.677753	39.3330241	1143.88342	10.116304	13.4135788	7.3018611	1.08369996	31.9154438
1030	2WQ4A	NonEnzymeRegulator	7.88222843	26.1391536	10.751833	1.47131934	46.2445344	1209.05823	3961.89887	1622.81996	203.063337	6996.8404	182.103719	601.648091	246.746403	33.1194725	1063.61768	5.26051737	17.1791878	6.92968857	0.89821792	30.2676117
1031	3Q7CA	NonEnzymeRegulator	4.41775255	24.5370028	16.3319011	3.10907415	48.3957306	682.452709	3707.01577	2416.13272	467.664447	7273.26565	102.485699	564.747624	374.027493	71.0015608	1112.26238	2.92737773	15.9043538	10.4862907	1.96108255	31.2791048
1032	3GA4A	NonEnzymeRegulator	3.30330766	16.4204018	24.7556399	3.99811587	48.4774651	520.549451	2539.78102	3702.94387	595.521737	7358.79608	77.0285932	380.297961	567.853462	91.7007448	1116.88076	2.26316401	10.9180499	15.9994896	2.49512139	31.6758249
1033	2J8KA	NonEnzymeRegulator	1.55819105	23.0234899	15.0928094	6.26902751	45.9435178	220.286123	3278.01978	2200.8624	927.797885	6626.96619	35.2643463	521.369356	343.504551	143.214322	1043.35258	0.98868421	14.3663476	9.48829233	3.96084285	28.8041669
1034	3R5TA	NonEnzymeRegulator	1.48149712	12.8509995	20.421218	13.4877724	48.2414871	232.282084	1942.61798	3098.53245	2042.78129	7316.21381	34.2963196	295.132982	469.028517	309.712572	1108.17039	0.96972166	8.30387507	13.1645908	8.69933787	31.1375254
1035	3PP5A	NonEnzymeRegulator	12.246	12.7849382	13.2127886	12.9441257	51.1878524	1843.01781	1846.65495	2023.46945	1975.24567	7688.38789	281.044313	291.074076	304.274712	297.926729	1174.31983	7.96519609	8.15314477	8.52234714	8.38820431	33.0288923
1036	2C71A	NonEnzymeRegulator	1.41084905	10.5452146	23.8286843	12.1093199	47.8940679	217.371971	1613.73537	3590.46175	1800.30548	7221.87457	32.7019697	243.202009	546.955731	277.117225	1099.97694	0.93809081	6.92079491	15.3764261	7.75001865	30.9853304
1037	2XTSA	NonEnzymeRegulator	7.20348254	26.4750799	12.5257624	2.04263925	48.246964	1138.58343	4139.84659	1946.29419	310.588961	7535.31317	167.551079	612.483522	289.784829	47.0932887	1116.91272	4.74634739	17.2210407	8.2466784	1.33834731	31.5524138
1038	2ARCA	NonEnzymeRegulator	2.26231375	9.92412027	28.5432581	9.07507216	49.8047643	367.930041	1604.1683	4584.93344	1438.68859	7995.72038	52.9883789	231.951675	665.336369	210.511707	1160.78813	1.55347877	6.70987725	18.9711459	5.88105955	33.1155615
1039	4AXOA	NonEnzymeRegulator	2.77154635	17.3641913	24.0782029	4.54809375	48.7620343	422.504529	2640.26954	3606.22628	658.650206	7327.65056	64.4203741	401.159231	552.562204	103.239554	1121.38136	1.86142306	11.5128966	15.5981974	2.86087257	31.8333897
1040	3GVEA	NonEnzymeRegulator	2.52590213	15.6212793	23.5898662	5.68932063	47.4263683	374.454387	2348.04838	3514.25335	857.87811	7094.63423	57.7478629	358.590898	539.80438	130.603859	1086.747	1.62372422	10.1705378	15.0886002	3.64520606	30.5280682
1041	2W50A	NonEnzymeRegulator	1.5457094	28.064089	17.7184425	2.12123628	49.4494771	234.57598	4130.32663	2597.50158	315.381299	7277.78549	35.7026196	643.460286	404.991044	48.5969166	1132.75087	1.02323283	18.2176766	11.3922749	1.3697666	32.0029509
1042	2D1SA	NonEnzymeRegulator	2.2594614	13.9920161	23.9194275	7.81557961	47.9864846	341.24386	2089.91149	3569.76433	1168.33115	7169.25082	52.067677	321.123312	548.326782	179.30069	1100.81846	1.48242863	9.10771694	15.5115766	5.04585384	31.147576
1043	2QOLA	NonEnzymeRegulator	2.12746796	14.0468803	20.2781874	12.6107029	49.0632386	316.300706	2167.77019	3089.91493	1852.24806	7426.23388	48.7222464	325.13306	467.692961	287.93583	1129.4841	1.37471454	9.25515238	13.2542424	8.09463832	31.9787477
1044	3K26A	NonEnzymeRegulator	2.03646389	18.6148329	25.4120296	2.81863015	48.8819566	314.496651	2936.24945	3944.42035	432.135779	7627.30224	47.0806682	432.143121	587.38605	64.9547025	1131.56454	1.33845755	12.3081279	16.5159826	1.80529814	31.9678662
1045	2RH2A	NonEnzymeRegulator	0.83284482	22.3830218	16.4700556	7.84326562	47.5291878	125.742039	3519.72248	2539.74659	1182.85625	7368.06736	19.1527433	518.762331	380.239161	179.949744	1098.10398	0.54547246	14.6897407	10.6569302	4.96264414	30.8547874
1046	3P6DA	NonEnzymeRegulator	2.19721785	32.4176963	12.3060817	1.66768445	48.5886803	326.820919	4838.75523	1849.43765	246.240426	7261.25423	50.2076013	743.290007	282.963628	38.3857922	1114.84703	1.41005451	20.9670731	7.93710279	1.03174424	31.3459746
1047	2D5WA	NonEnzymeRegulator	1.94354943	17.1519056	25.41906	4.71500584	49.2295209	311.635608	2713.9989	3948.88704	724.480533	7699.00209	45.3252115	398.856453	587.403382	108.422984	1140.00803	1.29868761	11.4037446	16.6053196	3.02744275	32.3351946
1048	1LWBA	NonEnzymeRegulator	3.10848808	19.6400779	17.9151761	6.73582127	47.3995634	507.124169	3132.32067	2878.65731	1048.96983	7567.07198	72.7649209	457.224511	418.199839	156.063383	1104.25265	2.05164147	12.9325359	11.9174805	4.39611088	31.2977687
1049	2WJ5A	NonEnzymeRegulator	11.573603	21.0264016	6.70233095	7.37991373	46.6822493	1742.20013	3239.75169	1009.60947	1087.43309	7078.99438	265.255299	484.346988	153.61564	168.77422	1071.99215	7.46630059	13.5840675	4.20747013	4.62003762	29.8778758

1050	2FHZB	NonEnzymeRegulator	3.56935042	9.68707184	27.023711	7.20214501	47.9984874	518.70274	1457.43126	4155.76537	1124.76174	7335.87712	81.3724418	222.230596	622.152079	166.440348	1104.1221	2.29763184	6.22104967	17.2821316	4.66895068	30.8096786
1051	1RYLA	NonEnzymeRegulator	0.95371204	18.4955143	18.5310963	11.3490945	49.3294171	151.698515	2845.00121	2814.27489	1674.66261	7485.63722	22.1413115	427.061013	426.048529	259.261485	1134.51234	0.63258776	12.1691416	11.9347095	7.20737821	31.9438171
1052	3GHAA	NonEnzymeRegulator	1.7809383	13.3439088	24.438071	8.94643727	48.5093553	275.621452	2074.75354	3647.59269	1282.89185	7280.85953	41.2901372	309.334877	560.575441	203.264424	1114.46488	1.18828111	8.86544941	15.8526049	5.67140757	31.577743
1053	4A02A	NonEnzymeRegulator	1.49261251	8.20101676	23.370709	14.7932605	47.8575988	240.411965	1314.85089	3642.78099	2288.85382	7486.89767	34.8914192	191.319229	540.493649	340.613135	1107.31743	1.01215556	5.53171992	15.3446747	9.45843061	31.3469808
1054	1K4NA	NonEnzymeRegulator	4.40334076	25.3593958	18.1480562	1.00093824	48.911731	686.680334	3966.24791	2760.182	159.642102	7572.75234	101.803724	586.645655	416.637941	23.2825774	1128.3699	2.90670435	16.6358668	11.6194418	0.64982022	31.8118332
1055	2GYQA	NonEnzymeRegulator	7.0364257	26.9005152	13.926294	0.42104938	48.2842843	1062.6516	3960.67669	2064.58804	52.9674321	7140.88376	161.720444	614.464652	318.732141	9.27687375	1104.19411	4.54039333	17.1848122	8.93119013	0.23798852	30.8943842
1056	2RKVA	NonEnzymeRegulator	1.19543207	11.9522185	24.5602059	9.9688431	47.6766997	185.116398	1808.95588	3696.9752	1474.38266	7165.43014	27.7727169	275.451723	564.224303	227.89801	1095.34675	0.79273053	7.81894552	15.8636834	6.35992071	30.8352802
1057	1I71A	NonEnzymeRegulator	4.79688846	31.1145261	11.1063993	1.68463311	48.7024469	804.510384	5059.97341	1822.16148	235.34009	7921.98536	113.219022	727.227206	260.590154	38.6598462	1139.69623	3.19678996	20.3345428	7.33554045	1.08489219	31.9517654
1058	1GK7A	NonEnzymeRegulator	12.0793869	13.2256477	12.9222285	12.508536	50.7357992	1895.36833	2020.37902	1853.43815	1751.27926	7520.46476	279.75211	304.190006	293.480913	282.773522	1160.19655	7.91519661	8.50331874	8.19476029	7.83320861	32.4464842
1059	1X6ZA	NonEnzymeRegulator	4.80411709	18.3676437	18.3772673	4.43384624	45.9828743	694.685813	2653.22688	2732.05629	671.129505	6751.09849	109.417385	417.949881	420.263495	101.769417	1049.40018	3.11235934	11.719819	11.7119354	2.84607233	29.3901861
1060	3PONA	NonEnzymeRegulator	8.01875619	11.9999446	8.7458187	11.5815585	40.346078	1164.93491	1779.98134	1304.79788	1727.15215	5976.86629	182.772653	275.349765	201.031777	266.174829	925.329023	5.15404986	7.72516274	5.6074432	7.41361433	25.9002701
1061	2PY5A	NonEnzymeRegulator	0.77036824	13.6952701	27.7912354	7.69773606	49.9546098	115.401983	2120.8511	4284.33852	1192.66491	7713.25651	17.702688	317.167913	642.808056	178.262178	1155.94084	0.50689191	9.09329942	18.4002366	5.08083557	33.0812635
1062	1XJUA	NonEnzymeRegulator	2.53952693	19.9442148	19.5643755	5.80977465	47.8578918	379.953689	3072.71651	3031.71732	865.562994	7349.95051	58.6114714	460.328896	451.83258	132.864487	1103.63743	1.64987774	12.85538	12.5915099	3.66077084	30.7575385
1063	2ERLA	NonEnzymeRegulator	2.20068018	17.0193981	16.9608789	9.21629981	45.397257	324.195802	2510.47863	2487.93601	1395.75993	6718.37036	50.7808913	392.317359	389.699026	213.05587	1045.85315	1.41743553	10.9511495	10.7574108	5.95940751	29.0854034
1064	3GJYA	NonEnzymeRegulator	3.97869017	26.6355466	16.1107389	0.84084594	47.5658217	614.886637	4130.34732	2483.69183	121.005985	7349.93177	91.8587199	614.6341	371.125754	19.1216761	1096.74025	2.60506552	17.2489784	10.3768637	0.52949523	30.7604028
1065	3RL5A	NonEnzymeRegulator	2.61980705	12.6824426	23.1895446	10.1850997	48.676894	413.109893	1982.51091	3581.55579	1590.22141	7567.398	60.8297192	293.95666	535.773637	235.878844	1126.43886	1.73126043	8.37516216	15.1622266	6.65662507	31.9252743
1066	3QZMA	NonEnzymeRegulator	1.58968756	26.7634382	17.284332	3.49360982	49.1310676	241.904528	4099.83386	2627.79969	528.55885	7498.09692	36.64095	617.712561	397.364985	80.4108107	1132.12931	1.04518919	17.48865	11.1111938	2.25434336	31.8993764
1067	4AWYB	NonEnzymeRegulator	3.16076059	16.7278945	23.0899119	3.32290043	46.3014674	496.054303	2570.49647	3542.43179	501.778992	7110.76155	73.1905537	385.522154	531.438118	76.1318396	1066.28267	2.06648615	10.858574	14.8117444	2.06588541	29.8026899
1068	2P4HX	NonEnzymeRegulator	2.01498167	15.130385	24.6254243	6.15248462	47.9232756	308.764645	2326.82562	3703.15414	890.973859	7229.71826	46.5208128	349.409217	565.610839	140.233128	1101.774	1.3365978	9.97323654	16.0043353	3.95280431	31.2669739
1069	2FCLA	NonEnzymeRegulator	2.34743052	16.1506794	27.601208	3.93897263	50.0382906	350.722707	2471.83204	4297.02957	628.172644	7747.75696	53.8405955	372.605595	638.458153	91.343461	1156.2478	1.53317742	10.597693	18.0551103	2.5471768	32.7331575
1070	1MF7A	NonEnzymeRegulator	1.83347209	8.0009491	26.1200257	13.3380268	49.2924737	277.123459	1221.38857	3998.29929	2030.24144	7527.05276	42.2647959	184.44795	601.179655	306.591055	1134.48346	1.22922602	5.25978697	16.8907026	8.54392219	31.9236378
1071	2IZ6A	NonEnzymeRegulator	1.71444341	9.68187796	25.5095558	8.238495	45.4455276	239.990512	1377.79515	3660.87178	1197.83234	6523.87638	38.9495639	220.20733	579.896339	187.666001	1033.66498	1.11351444	6.21739122	16.2749957	5.27052187	29.0712284
1072	3V46A	NonEnzymeRegulator	1.57609126	9.14404428	21.5508696	18.4428645	50.7138696	241.01623	1418.54037	3414.56903	2944.80841	8018.93405	36.4163291	211.752721	500.551518	428.664725	1177.38529	1.06424417	6.1157672	14.2628695	12.0869092	33.5297902
1073	1YU0A	NonEnzymeRegulator	7.98035368	25.4840515	7.30268608	4.60824205	45.487581	1284.90422	3947.67458	1127.10024	704.099484	7081.08709	186.211684	588.912076	168.528605	105.764984	1051.9904	5.32432988	16.6904309	4.73542084	2.92010899	29.7401862
1074	4ANNA	NonEnzymeRegulator	3.12452257	18.7024398	21.3097611	6.8168469	49.9535704	481.834078	2881.05307	3231.21439	1045.87522	7639.97676	72.2197652	432.128366	490.416401	157.205409	1151.96994	2.08363176	12.3400912	13.8603666	4.45084528	32.7349349
1075	1AHOA	NonEnzymeRegulator	1.56233082	8.70501773	21.5285356	15.151425	46.9473091	245.716466	1345.33494	3296.53143	2367.26118	7254.84401	36.4208602	202.573921	498.181562	351.03155	1088.20789	1.05033701	5.7506025	13.9903861	9.74023319	30.5315588
1076	1WDDS	NonEnzymeRegulator	4.27270646	27.6966764	13.9691443	4.76567383	50.704201	679.298055	4306.31262	2150.62179	804.931842	7941.16431	99.5404335	642.64114	322.754299	112.307938	1177.24381	2.89232192	18.5440325	9.13292792	3.18919455	33.7584769
1077	4G7XB	NonEnzymeRegulator	2.92610151	24.2676938	15.3138633	5.66212386	48.1697824	433.193197	3567.29212	2265.86695	876.189494	7142.54176	66.9382971	553.626676	349.740338	130.223212	1100.52852	1.89984242	15.5675945	9.72724165	3.55729792	30.7519765
1078	3A07A	NonEnzymeRegulator	0	6.00274387	23.6508098	18.2076271	47.8611808	0	943.412051	3759.78886	2852.4029	7555.60381	0	139.256317	549.546799	421.560456	1110.36357	0	3.96572072	15.5273061	11.7440871	31.2371139
1079	2QF4A	NonEnzymeRegulator	1.64658106	16.596117	18.765721	9.31054361	46.6026839	232.259377	2363.83669	2694.33208	1353.76552	6687.04416	37.3391349	376.84446	426.057898	211.543894	1058.27736	1.06261036	10.6396278	11.834939	5.7911041	29.5050704
1080	3LKMA	NonEnzymeRegulator	2.41475825	12.7358918	23.3743624	10.1631173	48.875348	370.038056	1980.83921	3546.59969	1506.05586	7430.32545	55.9618795	295.189096	538.278545	232.816794	1126.51609	1.59642079	8.44222353	15.2612462	6.54226272	31.9634725

10812	P0SA	NonEnzymeRegulator	14.8538722	26.9713505	3.5957517	3.08932625	48.5103007	2276.50896	3998.64626	575.600342	403.660253	7254.41581	342.215746	616.688716	83.9765796	68.8685782	1111.74962	9.68781936	17.2548192	2.42337168	1.86730001	31.2333103
10824	AG7A	NonEnzymeRegulator	3.16021376	14.7325933	25.3690002	5.25167754	48.5134848	465.27333	2187.15887	3872.42952	825.436128	7350.29785	72.0994678	337.142921	584.902441	121.995425	1116.14025	2.02298784	9.54342003	16.5557439	3.42989097	31.5520428
10833	GE3E	NonEnzymeRegulator	5.69796396	26.4640068	14.3766548	2.15301414	48.6916398	855.225614	3922.05483	2152.03536	305.306728	7234.62254	130.790649	605.353839	329.401925	48.678109	1114.22452	3.7228029	16.952164	9.08397058	1.31886384	31.0778013
10843	HF5A	NonEnzymeRegulator	3.555966	20.1424364	21.226409	5.39278918	50.3176005	551.001854	3202.08971	3299.82415	815.349399	7868.26511	82.4227517	469.210272	492.033157	124.126165	1167.79235	2.37184968	13.4949343	13.9228435	3.48651368	33.2761412
10851	KNGA	NonEnzymeRegulator	1.30729742	6.98044873	26.6513379	12.5823176	47.5214017	199.446457	1069.4215	4070.4555	1899.09759	7238.42105	30.1047952	161.041918	614.062856	288.485177	1093.69475	0.86132712	4.61792794	17.4007685	8.00368966	30.8837132
10862	P51A	NonEnzymeRegulator	2.40017189	13.0308727	28.5727386	5.02213185	49.025915	367.828368	2029.58546	4317.88205	785.176684	7500.47256	55.4628828	302.168831	657.889153	116.219562	1131.74043	1.58305244	8.68932976	18.6467785	3.2745277	32.1936884
10872	VB1A	NonEnzymeRegulator	0.37310397	15.1291233	24.1017421	7.9704426	47.574412	55.9412051	2350.26852	3819.9199	1266.20057	7492.33019	8.56675401	350.250349	559.510873	184.330692	1102.65867	0.24447294	9.90626118	15.6792406	5.03258587	30.8625606
10884	DN7A	NonEnzymeRegulator	2.59736408	21.4797395	20.7430225	2.94314845	47.7632745	392.036207	3186.55473	3027.19943	427.485485	7033.27585	59.6670342	491.133436	472.580794	67.0220979	1090.40336	1.67816231	13.8017068	13.1914971	1.8642827	30.535649
10894	AXYA	NonEnzymeRegulator	9.17116308	8.67977513	8.48931257	12.4320529	38.7723037	1402.6949	1309.3987	1271.90997	1851.00678	5835.01035	210.046802	198.744471	194.80171	285.249236	888.842219	5.71052599	5.46523922	5.46022962	8.03664195	24.6726368
10901	V4PA	NonEnzymeRegulator	1.58458401	13.0842353	25.2312889	10.1436817	50.04379	238.376528	1992.86489	3782.94153	1534.46567	7548.64861	36.2533229	301.38602	578.197994	232.854096	1148.69143	1.01949876	8.57955078	16.2613446	6.49669715	32.3570913
10911	FCQA	NonEnzymeRegulator	3.41910785	26.6958059	17.7274694	2.32392094	50.1663041	553.296607	4198.29751	2730.72299	383.492989	7865.8101	80.249022	619.538768	408.846329	54.23099	1162.86511	2.35517032	17.5819335	11.4551386	1.50695058	32.899193
10921	O7NA	NonEnzymeRegulator	5.08202779	27.8044047	12.9940222	1.65347484	47.5339295	816.564557	4336.42517	1991.39192	258.429797	7402.81144	118.813167	643.620916	299.126334	38.4085467	1099.96896	3.43077179	18.1808764	8.36566891	1.10581514	31.0831322
10931	R6JA	NonEnzymeRegulator	0.59668002	19.1157473	23.1286944	3.74854862	46.5896703	83.9324285	2783.0979	3342.02805	546.863108	6755.92149	13.5226464	436.12869	526.13703	85.9589184	1061.74728	0.3821839	12.2974629	14.6191154	2.36736526	29.6661275
10952	C3VA	NonEnzymeRegulator	0	15.4888509	23.0190344	8.73852427	47.2464096	0	2430.53588	3604.525	1330.45593	7365.51681	0	358.893335	532.383139	200.864663	1092.14114	0	10.2241826	14.9556172	5.54592695	30.7257268
10962	EU9A	NonEnzymeRegulator	2.68164778	14.357523	22.2156336	10.6640501	49.9188544	413.427631	2257.3194	3408.18198	1681.25765	7760.18666	61.8771539	333.298511	512.522438	247.20935	1154.90745	1.74537429	9.48599045	14.4402566	6.91474224	32.5863636
10971	TT8A	NonEnzymeRegulator	1.86350533	8.96946595	24.991253	14.0679474	50.1798574	284.879674	1378.26911	3828.21808	2146.82739	7679.3233	42.7392862	206.514546	575.400488	323.796393	1154.99019	1.19195245	5.84326311	16.3056397	9.18332313	32.7104402
10981	RYOA	NonEnzymeRegulator	1.99460768	15.6554719	24.52537	5.47694486	47.6523944	313.494881	2428.01423	3751.32749	826.210359	7319.04696	46.2446635	362.726885	565.579546	125.846836	1100.39793	1.31546917	10.3463545	15.9313031	3.51870683	31.1118336
10993	PMSA	NonEnzymeRegulator	1.90304203	10.9140567	22.2174822	13.1173802	48.1519611	296.624985	1707.72084	3463.28089	2014.8671	7482.49381	44.0420721	253.237934	514.445208	302.526912	1114.25213	1.2526702	7.26380484	14.6311346	8.51456738	31.662177
11003	G16A	NonEnzymeRegulator	3.49822489	27.6655971	14.0425814	2.95569076	48.1620941	563.656115	4427.05163	2160.21468	443.848395	7594.77083	81.5879724	643.861084	323.052154	67.4834503	1115.98466	2.32524229	18.2922081	8.98581495	1.84458313	31.4478484
11013	UADA	NonEnzymeRegulator	1.93479972	13.8704984	26.7651421	4.93802946	47.5084697	309.750097	2158.92039	4019.39179	752.63411	7240.69639	45.0582973	320.88708	615.233229	113.837733	1095.01634	1.2753802	9.08992066	17.323963	3.17576861	30.8650325
11021	WWIA	NonEnzymeRegulator	3.33672418	19.3322221	21.6592531	5.26749276	49.5956921	499.534601	2913.53973	3260.94095	784.387773	7458.40305	76.4632168	443.542811	496.208377	120.398292	1136.6127	2.17647126	12.5197787	13.8315224	3.34929277	31.8770652
11031	ZCEA	NonEnzymeRegulator	2.47591146	13.4269347	27.9607073	4.46326917	48.3268226	412.641619	2105.67654	4281.50199	680.51375	7480.3339	58.4269555	311.192906	644.139063	102.631441	1116.39037	1.72022646	8.83679318	18.023527	2.86783605	31.4483827
11041	OU8A	NonEnzymeRegulator	0.89424202	18.2549415	23.5197668	6.46151629	49.1304665	132.145532	2801.19118	3647.25341	1001.18838	7581.77851	20.536024	422.445635	544.609694	149.264301	1136.85565	0.59281271	12.1890061	15.5147607	4.19687795	32.4934575
11053	TT9A	NonEnzymeRegulator	4.93136064	23.7173991	16.7702844	3.09652277	48.5155669	740.437387	3493.24144	2535.85358	451.41734	7220.94975	113.190229	542.092765	385.088613	70.9000637	1111.27167	3.2127727	15.1994894	10.6835109	1.95344137	31.0492144
11061	QWYA	NonEnzymeRegulator	3.20223584	18.4102083	20.7835697	4.20040355	46.5964174	521.708131	2886.38206	3288.96906	677.529266	7374.58852	74.9786385	427.227398	483.025804	98.221896	1083.45374	2.12067107	12.0271828	13.5828712	2.76058836	30.4913135
11071	TUAA	NonEnzymeRegulator	4.87859958	15.8247792	23.9826294	4.94172907	49.6277373	712.199188	2324.04106	3582.67944	764.014766	7382.93446	111.473892	361.609868	548.646935	114.013932	1135.74463	3.18883996	10.1337762	15.1965852	3.16696972	31.6861711
11082	OVGA	NonEnzymeRegulator	0.89647955	29.5429448	13.0582121	4.7890553	48.2866917	135.229478	4416.99833	1972.98023	735.19149	7260.39953	20.6319466	677.545099	299.795047	110.755903	1108.728	0.5954157	19.1858595	8.40269432	3.17653805	31.3605076
11091	MCTI	NonEnzymeRegulator	1.51472843	7.63869935	17.7693513	16.878561	45.595385	222.233141	1097.44356	2653.01845	2624.87677	6870.26664	35.1760912	175.799575	410.637132	391.780184	1054.71449	0.97047612	4.81915424	11.2879504	10.8928609	29.1048455
11102	BJIA	NonEnzymeRegulator	1.45728795	10.7405068	22.3516816	12.813872	47.3633485	221.551785	1618.99411	3298.8762	1883.70919	7023.13128	33.6610451	247.3485	511.654661	292.760261	1085.42447	0.95854075	7.0392049	14.4003338	8.17719565	30.5752751
11111	JHGA	NonEnzymeRegulator	1.53153519	15.7080498	27.4639707	5.14051784	49.8440736	228.84996	2332.38311	4158.38176	780.575175	7500.19	34.9098518	358.325654	630.757609	118.158259	1142.15137	0.9614871	9.93606924	17.6628482	3.23723086	31.7976354
11122	HLRA	NonEnzymeRegulator	2.67790605	13.6425039	20.9239478	9.1275246	46.3718823	423.178093	2119.67108	3222.94855	1419.56568	7185.36341	62.754137	317.674069	484.779112	211.595392	1076.80271	1.77589642	9.01480602	13.7286518	5.95160088	30.4709551

11132	WE5A	NonEnzymeRegulator	2.50055407	16.3623711	21.4120619	6.52637591	46.801363	360.598262	2356.17983	3142.30814	969.861444	6828.94767	56.8766096	372.72606	489.037552	149.50543	1068.14565	1.5867085	10.5327471	13.7031246	4.15965909	29.9822393
11143	MC3A	NonEnzymeRegulator	2.305718	19.7349746	23.2230805	2.23051444	47.4942875	363.861843	3073.67739	3455.86961	344.33757	7237.74642	53.7631419	457.875573	532.533314	51.5113606	1095.68339	1.57895526	13.2344491	14.966692	1.43210782	31.2122042
11152	CS7A	NonEnzymeRegulator	0	16.8430757	22.099073	8.19713745	47.1392861	0	2610.0049	3374.3476	1303.62655	7287.97905	0	390.130276	509.751799	190.463248	1090.34532	0	11.2049203	14.4659407	5.33901252	31.0098736
11163	MVSA	NonEnzymeRegulator	8.96542756	16.9836204	15.3350038	6.10278572	47.3868375	1292.61508	2633.18875	2330.49799	896.148156	7152.44998	203.402576	392.50497	353.399986	139.765044	1089.07258	5.5407146	11.1674403	10.1007184	3.8425692	30.6514425
11171	Z6MA	NonEnzymeRegulator	1.77551929	9.76089649	22.54197	14.6108911	48.6892768	270.23286	1523.78158	3379.44137	2170.10355	7343.55935	40.949727	226.081837	516.784683	334.317559	1118.13381	1.18667681	6.44509124	14.5052108	9.35641259	31.4933914
11182	Z6OA	NonEnzymeRegulator	2.56924102	15.7051899	24.7822113	7.18844259	50.2450849	390.15209	2528.23755	3832.93516	1111.51931	7862.84411	59.3014201	366.867688	572.093383	165.876588	1164.13908	1.71295348	10.5979718	16.1272769	4.68385988	33.122062
11193	VMXA	NonEnzymeRegulator	12.3760362	11.6374969	14.412825	12.561882	50.9882401	1851.58511	1688.9458	2121.29627	1845.10332	7506.9305	283.717253	264.550503	328.119966	285.716084	1162.10381	7.9237772	7.32958257	9.15324389	7.93128885	32.3378925
11203	ZY7A	NonEnzymeRegulator	0.85364165	15.6318946	21.3889389	11.0277022	48.9021774	124.460346	2315.7732	3249.33282	1738.26792	7427.83428	19.4993531	358.100466	492.71563	256.199937	1126.51539	0.56077083	10.1710204	14.0031939	7.29072634	32.0257115
11211	JY2O	NonEnzymeRegulator	3.94752173	19.61746	13.2075497	10.8426538	47.6151852	577.185044	2884.59085	1965.40225	1580.57906	7007.7572	89.7411008	447.27403	301.730641	246.404775	1085.15055	2.4648924	12.2654811	8.33988916	6.72973011	29.7999927
11224	ACJA	NonEnzymeRegulator	0.86617354	8.37261457	25.2435425	14.3538854	48.836216	135.93742	1344.93614	4020.80442	2243.0229	7744.70088	20.1354946	195.954273	588.918982	332.938238	1137.94699	0.59065495	5.75938516	17.0162206	9.49395376	32.8602144
11231	PSRA	NonEnzymeRegulator	2.49344615	23.0620965	19.79657	2.82127143	48.1733841	373.863647	3460.95601	2950.45901	432.499124	7217.7778	57.4799302	531.309085	453.170408	64.6321636	1106.59159	1.66869029	15.1442789	12.4985937	1.73351811	31.045081
11244	ESUA	NonEnzymeRegulator	1.68537372	14.349586	26.0092079	8.24344883	50.2876164	258.568397	2260.65067	4002.61405	1267.68792	7789.52104	38.8182264	332.843957	600.355282	190.282387	1162.29985	1.09876398	9.41925745	16.9748703	5.34046406	32.8333558
11253	SWOA	NonEnzymeRegulator	4.57572742	24.4601423	15.651639	2.80509848	47.4926072	693.665788	3689.41767	2360.93277	427.695567	7171.7118	105.346869	561.895524	359.181428	64.4635516	1090.88737	2.98164734	15.8002626	10.0633489	1.79547862	30.6407375
11264	A2VA	NonEnzymeRegulator	2.49053267	15.6570529	24.7335267	7.31113298	50.1922452	381.658736	2425.4909	3820.30635	1132.874	7760.32999	57.3355324	362.322088	572.73467	169.783794	1162.17608	1.63754702	10.2950854	16.2665392	4.82156318	33.0207348
11273	NPDA	NonEnzymeRegulator	2.63404445	13.1396979	25.2374607	6.80047006	47.811673	403.729213	1980.87758	3778.10207	1023.94425	7186.65312	60.7155615	301.392526	577.054304	155.809492	1094.97188	1.72154384	8.42301202	15.8835072	4.32556898	30.3536321
11284	A8TA	NonEnzymeRegulator	1.91754677	12.8283385	23.514591	9.82587808	48.0863543	284.71924	1943.78247	3525.26071	1454.54529	7208.3077	43.9286631	295.591816	540.680648	225.076057	1105.27718	1.21804105	8.31957307	15.231843	6.27457653	31.0440337
11291	GMUA	NonEnzymeRegulator	2.80434188	12.5980591	20.5873993	11.9995733	47.9893737	421.447734	1875.05643	3079.28376	1784.98889	7160.77681	64.3735854	288.192313	471.600188	275.422173	1099.58826	1.81981114	8.07392427	13.2226531	7.72526415	30.8416527
11301	F9VA	NonEnzymeRegulator	2.67404097	18.4053026	20.4523919	6.51947523	48.0512106	409.062896	2760.33524	3064.238	976.782239	7210.41838	61.9125136	422.354913	468.571961	149.140331	1101.97972	1.78954705	11.9081828	13.0569822	4.13704562	30.8917577
11311	GPPA	NonEnzymeRegulator	5.8449916	23.0115746	15.7981732	4.30999801	48.9647374	926.654687	3484.44788	2353.83061	661.563963	7426.49714	135.826387	529.275088	362.204601	99.3655947	1126.67167	3.86774372	14.8928902	10.1419736	2.80284278	31.7054503
11321	MSOB	NonEnzymeRegulator	6.37837672	16.2076586	17.4999199	8.21483503	48.3007903	958.649542	2531.25039	2786.99217	1281.55153	7558.44364	146.812378	376.978772	407.860978	190.496631	1122.14876	4.21939751	10.8682486	11.6095371	5.42916971	32.1263529
11331	UZ3A	NonEnzymeRegulator	18.9802025	23.9939759	2.91704667	3.19618713	49.0874122	2830.42975	3615.64006	436.545617	505.417366	7388.0328	433.13684	548.841703	66.9081178	74.7815339	1123.66819	11.9908923	15.0686578	1.9107844	2.17790301	31.1482375
11342	IMJA	NonEnzymeRegulator	0.65941981	13.7126386	24.9128623	11.6149734	50.8998941	107.528882	2229.92051	4078.01904	1873.3526	8288.82103	15.3920544	319.818575	581.487456	270.173262	1186.87135	0.43439055	9.04381148	16.381296	7.58488446	33.4443825
11353	KEVA	NonEnzymeRegulator	4.49378775	20.3627088	19.2421867	6.36590259	50.4645858	730.052796	3170.69614	2954.39852	976.754712	7831.90217	105.249318	470.85635	444.075945	146.983297	1167.16491	3.07681873	13.4017757	12.6947338	4.1976057	33.3709339
11361	K5CA	NonEnzymeRegulator	1.89599807	14.7886592	19.5498647	9.22201145	45.4565334	277.553445	2200.68883	2942.15474	1352.28772	6772.68473	43.3218102	338.437501	448.666075	210.595259	1041.02065	1.22029573	9.45414457	12.6122392	5.89327873	29.1799582
11372	OB5A	NonEnzymeRegulator	1.62648154	13.3739153	25.559491	6.52940312	47.089291	243.064863	1954.08723	3823.50865	972.026582	6992.68733	37.3619221	304.950939	585.431104	149.792678	1077.53664	1.07938777	8.54628143	16.3415357	4.22095527	30.1881601
11383	BWHA	NonEnzymeRegulator	2.40360806	15.1888419	24.8466199	6.07555745	48.5146273	354.117274	2283.5047	3700.28227	899.727431	7237.63167	54.9026188	348.662575	569.003505	138.776887	1111.34559	1.5495188	9.92264127	16.0536282	3.87309556	31.3988838
11394	AW7A	NonEnzymeRegulator	2.26881345	11.8233128	21.7099155	12.5433134	48.3453551	354.515608	1851.14476	3367.45532	1909.51742	7482.63311	52.6505119	274.210614	502.267215	288.722403	1117.85074	1.51480542	7.81694085	14.2275448	8.11517034	31.6744614
11404	EI6A	NonEnzymeRegulator	3.23533162	17.1387963	19.1081073	7.99068228	47.4729175	490.887805	2650.67994	2975.32551	1237.38764	7354.28091	74.3225743	396.113169	442.930279	184.505279	1097.8713	2.08735196	11.1459591	12.5675397	5.14115301	30.9420038
11411	FD3A	NonEnzymeRegulator	1.06818903	13.2631733	17.7584863	13.9717361	46.0615848	155.180533	1948.53894	2595.4099	2108.00579	6807.13516	24.5941634	304.535798	406.590141	321.152169	1056.87227	0.68513709	8.5225231	11.3963555	9.00264767	29.6066634
11421	VYKA	NonEnzymeRegulator	3.13612432	17.5116038	20.6674596	7.59586127	49.2669549	482.818238	2608.32377	3099.13965	1145.85742	7388.22866	72.1404882	400.544005	473.910982	174.319698	1129.07073	2.01560254	11.2361104	13.3816837	4.917789	31.7875431
11431	GU2A	NonEnzymeRegulator	0.80671117	16.4857602	22.1025122	7.91761236	47.312596	125.128782	2516.04575	3292.32621	1185.8341	7119.33483	18.7200454	380.032432	506.035893	181.660448	1086.44882	0.546449	10.7432917	14.1115801	5.0691283	30.4704491

1144	3DSOA	NonEnzymeRegulator	1.5121394	20.3533148	23.2816776	3.6117786	48.7589104	230.940848	3001.65799	3424.9175	511.54542	7169.06175	34.9271346	467.236884	533.77843	81.9329212	1117.87537	0.99139235	13.1903097	14.9587171	2.26895175	31.4093709
1145	3RJUA	NonEnzymeRegulator	1.84224527	12.8003205	24.5861156	8.13610757	47.3647889	273.197243	1956.61413	3718.42881	1216.96849	7165.20868	42.1410926	294.809787	564.168342	186.292528	1087.41175	1.1971592	8.34331268	15.7965463	5.21436187	30.5513801
1146	2BHUA	NonEnzymeRegulator	2.5593234	15.8779489	21.9028276	7.90595861	48.2460586	399.861624	2511.80344	3464.06047	1199.62051	7575.34604	59.3865521	368.871586	507.48908	181.458602	1117.20582	1.70286215	10.4713074	14.2129387	5.08461556	31.4717239
1147	2ASKA	NonEnzymeRegulator	2.76074669	17.730793	17.1496264	9.60025244	47.2414185	433.735851	2757.51803	2666.54192	1456.43351	7314.22932	64.0881459	408.923081	394.338088	220.638147	1087.98746	1.76218562	11.1715386	10.8434233	6.20479342	29.9819409
1148	3EDOA	NonEnzymeRegulator	2.62668062	16.424325	23.5537064	5.94084709	48.545559	401.408705	2553.15604	3571.94446	865.929115	7392.43832	60.6610178	380.374133	541.950299	135.443154	1118.4286	1.75676911	10.9335521	15.2926097	3.76866408	31.751595
1149	1TUKA	NonEnzymeRegulator	0	6.90360178	28.2030252	9.77013256	44.8767596	0	1037.45963	4245.79109	1454.06659	6737.31731	0	158.549175	648.348008	224.561982	1031.45916	0	4.43292532	17.971962	6.22065183	28.6255391
1150	1ZGKA	NonEnzymeRegulator	1.17056891	10.8387692	20.2203004	15.2162946	47.4459331	172.829566	1668.02422	3188.25205	2405.7251	7434.83093	26.7498355	249.759788	468.310415	352.962306	1097.78234	0.75263301	7.03352897	13.1046439	9.87579123	30.7665971
1151	3NIRA	NonEnzymeRegulator	0.87342601	12.0500734	21.5928973	9.78356703	44.2999638	122.828685	1757.6258	3200.81051	1426.87973	6508.14472	20.0351997	276.163618	495.438269	223.943326	1015.58041	0.5580443	7.72832771	13.8131167	6.24618579	28.3456745
1152	3H8GA	NonEnzymeRegulator	4.05125076	18.8522451	18.6771631	5.10032252	46.6809815	606.61252	2827.34011	2722.08716	723.290198	6879.32999	92.9132907	432.713689	426.063882	115.407157	1067.09802	2.60827475	12.1990863	11.9458774	3.20046663	29.9537051
1153	2QNLA	NonEnzymeRegulator	3.59408789	21.8458701	19.2694253	4.17675301	48.8861363	562.357302	3370.05242	2936.5902	640.041051	7509.04097	83.0550076	503.694716	443.172419	96.032535	1125.95468	2.329561	14.2208698	12.4658462	2.66629222	31.6825692
1154	3EOJA	NonEnzymeRegulator	0.80822865	16.6023558	22.0953127	8.6006174	48.1065145	124.77621	2555.53692	3424.62525	1336.83951	7441.77788	18.641201	382.5906	510.311899	198.679357	1110.22306	0.52786418	10.7590071	14.4187423	5.59800321	31.3036168
1155	1WCWA	NonEnzymeRegulator	2.02281958	18.7621184	22.2535434	5.25496499	48.2934464	306.919093	2837.26093	3352.05233	784.674059	7280.90641	46.4919248	430.724675	510.134815	120.118738	1107.47015	1.31111694	12.1599194	14.3795263	3.36179711	31.2123597
1156	3MXNA	NonEnzymeRegulator	4.13854488	20.3126508	15.9551108	8.00019778	48.4065043	595.297932	2967.00865	2359.63633	1178.65053	7100.59345	94.7092928	464.764282	365.956435	182.872287	1108.3023	2.72038382	13.2505964	10.376018	5.12347658	31.4704748
1157	3PD7A	NonEnzymeRegulator	1.6174773	11.0386095	23.8374217	12.2754482	48.7689567	260.187856	1759.14917	3660.21593	1869.5333	7549.08626	37.7845165	256.93549	549.222541	281.836148	1125.7787	1.09525425	7.32904029	15.4493612	7.76750955	31.6411653
1158	1WDDA	NonEnzymeRegulator	5.05650494	23.2146863	17.4593502	2.25073188	47.9812734	786.110815	3574.86572	2711.43059	357.819101	7430.22623	116.758962	535.978738	403.674794	52.3425487	1108.75504	3.27396206	15.1242486	11.344198	1.50826257	31.2506713
1159	2W3QA	NonEnzymeRegulator	11.9031263	30.5369563	3.70122083	1.75371136	47.8950148	1847.83881	4662.40538	539.283639	274.058373	7323.5862	275.506478	703.300511	84.452727	40.8586534	1104.11837	7.79922441	19.7876493	2.34856034	1.16926337	31.1046975
1160	3LFRA	NonEnzymeRegulator	4.00528341	19.4299271	20.8164127	4.31097842	48.5626017	601.774352	2879.47459	3104.79589	617.293627	7203.33846	91.8707429	443.985173	476.198574	97.8021689	1109.85666	2.61890733	12.4990487	13.3309862	2.7457135	31.1946557
1161	3R87A	NonEnzymeRegulator	2.01165132	17.2402352	19.9071614	10.229352	49.3883999	328.76022	2717.59801	3052.7125	1588.00293	7687.07366	46.940691	400.230241	460.241094	236.400041	1143.81207	1.31956797	11.3618698	13.1160243	6.66459065	32.4620527
1162	1RWHA	NonEnzymeRegulator	2.89467392	16.4563369	21.3909833	5.92400264	46.6659968	442.794984	2588.10415	3230.93493	882.35244	7144.1865	66.8599141	381.327111	491.052696	135.434653	1074.67437	1.89347391	10.7819191	13.8141362	3.77076959	30.2602988
1163	2DKJA	NonEnzymeRegulator	2.45182448	16.3056177	25.6324784	3.64435464	48.0342751	372.980292	2482.97474	3855.5648	551.85607	7263.3759	56.330734	375.119812	587.751857	83.6147145	1102.81712	1.56954103	10.5788882	16.4484964	2.31952852	30.9164541
1164	2F23A	NonEnzymeRegulator	6.81594575	25.4899728	12.2303069	3.60764869	48.1438741	1019.70288	3721.81093	1721.73497	503.938355	6967.18713	155.915971	580.391353	276.711235	81.8473263	1094.86588	4.33906692	16.1261573	7.64712707	2.24897084	30.3613222
1165	1DFMA	NonEnzymeRegulator	2.45582396	15.3166331	22.8696641	8.76028091	49.4024021	365.061997	2334.03681	3482.80041	1324.27411	7506.17333	56.2869868	352.837174	525.616726	200.846178	1135.58707	1.61029258	10.0361812	14.7646202	5.58081568	31.9919096
1166	3BXUA	NonEnzymeRegulator	0.6175833	5.90123867	24.8871721	14.7199078	46.1259019	92.0925366	911.545513	3775.51349	2207.30335	6986.45489	14.2707532	136.402426	573.419969	337.409749	1061.5029	0.39117623	3.78183389	15.9253265	9.2902219	29.3885585
1167	3CZXA	NonEnzymeRegulator	1.07297912	11.9186967	25.1290165	8.75737647	46.8780689	167.558075	1809.02829	3797.41305	1286.84689	7060.84631	24.8948108	273.999265	576.269986	199.545314	1074.70938	0.71834	7.72204642	16.1098027	5.51000148	30.0601906
1168	1WNYA	NonEnzymeRegulator	1.91340443	13.7985971	26.3428796	6.49235675	48.547238	298.055019	2144.76886	3952.07974	971.27688	7366.18049	44.3043292	319.553169	604.287768	148.896016	1117.04128	1.28105599	9.20271325	17.089021	4.23067988	31.8034701
1169	3K7IB	NonEnzymeRegulator	1.81458496	17.9420258	24.8575488	4.35399486	48.9681544	290.724795	2808.54793	3856.94325	670.105698	7626.32167	42.2560511	415.152231	573.935043	100.098489	1131.44181	1.19169789	11.6858832	16.0558558	2.77789655	31.7113334
1170	1N3LA	NonEnzymeRegulator	2.34731486	20.5002153	23.3775861	3.11276444	49.3378806	367.306342	3083.69047	3489.96901	485.645587	7426.61141	54.6252923	471.263405	536.00218	71.9380102	1133.82889	1.58159033	13.4403644	15.1546299	2.02561476	32.2021994
1171	2UV4A	NonEnzymeRegulator	4.8214757	23.4329593	16.6696165	3.86026355	48.7843151	715.694791	3491.42855	2452.0104	595.85262	7254.98636	110.392989	536.574201	380.888481	89.3735674	1117.22924	3.13924523	15.102609	10.7228284	2.53991435	31.5045969
1172	1JO0A	NonEnzymeRegulator	2.10072631	14.3217554	21.1860529	11.2651542	48.8736887	306.914457	2109.35093	3130.2029	1621.57409	7168.04238	47.926207	326.875959	483.689799	255.647914	1114.13988	1.37010301	9.20881683	13.5621538	7.06770804	31.2087817
1173	3DXLA	NonEnzymeRegulator	2.06188345	13.8363483	26.4008929	7.16373453	49.4628592	321.19135	2134.9821	4046.29221	1057.70597	7560.17163	47.904551	319.990337	609.127647	163.916939	1140.93947	1.36957074	9.04995711	17.2241703	4.54702793	32.190726
1174	2ZFGA	NonEnzymeRegulator	1.89928853	13.0989528	26.3409731	5.72784527	47.0670598	296.621416	2036.32719	4050.36509	853.868634	7237.18233	44.0690377	303.056426	608.233534	131.327835	1086.68683	1.2541182	8.5872943	17.1633248	3.6858439	30.6905812

11753	GIWA	NonEnzymeRegulator	1.41269128	8.65558739	22.7944961	14.6948118	47.7226086	206.464618	1345.07781	3479.77707	2222.75426	7277.70134	32.260357	199.90527	524.186803	336.818517	1096.91184	0.9196271	5.63241572	14.7056667	9.30044052	30.6598717
11762	VW8A	NonEnzymeRegulator	3.28542915	20.2377706	23.4489301	2.3475318	49.3196616	517.091393	3162.02433	3675.95382	370.026477	7725.09603	76.1707429	468.208088	542.170051	54.3600383	1140.90892	2.160185	13.2412332	15.1824854	1.51174622	32.0956499
11773	QJAA	NonEnzymeRegulator	6.21753225	31.7207478	7.44994843	0.70137403	46.0896025	883.107361	4644.76194	1073.04066	103.057552	6703.96752	141.098263	723.054677	168.975798	16.0954002	1049.22414	3.98262468	20.0726637	4.64825395	0.4508072	29.1543496
11781	W5RA	NonEnzymeRegulator	1.720411	9.16192994	24.6528706	12.5214663	48.0566779	270.897756	1421.81725	3823.85019	1912.40454	7428.96974	39.9254073	211.270728	568.535603	287.244908	1106.97665	1.13118562	5.92763085	15.9648087	7.92008926	30.9437145
11793	SR0A	NonEnzymeRegulator	2.34647017	12.1352181	30.2100579	5.001409	49.6931552	360.68969	1830.76263	4498.9264	741.183629	7431.56235	54.112094	278.578327	691.711132	114.47446	1138.87601	1.54446995	7.88572047	19.4199187	3.22957019	32.0796793
11802	PNEA	NonEnzymeRegulator	4.89508208	12.3095346	10.412986	6.91717078	34.5347735	708.94326	1773.75269	1449.29812	942.432972	4874.42704	110.433387	277.966231	234.571844	156.193467	779.164929	2.87089785	7.29057032	6.21385024	4.15230391	20.5276223
11812	G30A	NonEnzymeRegulator	3.42708839	19.9741018	17.3295265	8.02270759	48.7534243	525.732832	3018.84733	2619.44409	1207.66967	7371.69392	79.2709839	460.268977	398.935046	184.416302	1122.89131	2.28091961	13.1105845	11.3216557	5.1388031	31.8519629
11823	C70A	NonEnzymeRegulator	1.74183633	9.54088211	29.719867	7.97035528	49.1493959	265.456622	1483.04381	4540.93715	1201.91757	7516.84324	40.084738	220.902011	685.665031	183.313595	1133.97741	1.12966149	6.35179595	19.5650487	5.20311238	32.361309
11833	GE3A	NonEnzymeRegulator	4.37812358	23.0077285	19.4414586	2.46468364	49.2919944	715.006651	3674.7599	3055.69675	394.087984	7839.55129	102.570319	536.444883	450.961608	57.3999087	1147.37672	2.95759841	15.2990649	12.7415798	1.61720604	32.6154492
11843	ED7A	NonEnzymeRegulator	1.52082521	13.4033493	23.1766411	11.0986598	49.1994754	238.808565	2138.89384	3566.52197	1680.28191	7624.50629	35.3955905	312.634979	534.640747	254.823573	1137.49489	1.01789745	8.98004854	15.0845046	7.08381087	32.1662615
11851	FM0E	NonEnzymeRegulator	3.14421689	23.3652582	18.9316932	3.30903394	48.7502022	482.306723	3606.84352	3017.02258	512.547511	7618.72033	72.5838542	539.311537	438.816461	76.0678334	1126.77969	2.0838623	15.2674422	12.2420919	2.07511436	31.6685107
11863	V68A	NonEnzymeRegulator	1.31062282	12.3362958	20.8093632	15.7694447	50.2257265	186.371856	1811.46349	3102.45245	2380.82543	7481.11323	29.6689506	281.456301	476.930981	362.274352	1150.33058	0.82462076	7.93014267	13.5251278	10.2296205	32.5095118
11873	NFTA	NonEnzymeRegulator	11.7181373	22.0445381	12.547135	1.85611164	48.165922	1756.28694	3310.18526	1871.48697	260.523126	7198.48229	268.596926	504.68233	287.427401	41.9921165	1102.69877	7.52519906	14.0232778	8.06603002	1.16249429	30.7770011
11883	B9TA	NonEnzymeRegulator	2.92343163	20.2512678	20.2605852	3.91262473	47.3479093	466.380724	3167.8712	3138.66593	583.299467	7356.21732	67.8926466	468.890641	467.767769	89.5197209	1094.07078	1.9180651	13.3337934	13.2087815	2.49595283	30.9565928
11893	AZDA	NonEnzymeRegulator	11.9055601	12.0725983	14.2356829	12.0562314	52.0583799	1842.87587	1840.19585	2169.37427	1797.01412	7921.96071	274.389244	276.497343	325.520957	274.67434	1191.95023	7.5537956	7.56940724	8.96132154	7.61552163	32.823606
11903	P02A	NonEnzymeRegulator	4.15211751	20.0912771	19.2592199	6.15950449	49.662119	675.874916	3154.89528	2950.71154	916.895883	7698.37761	96.9064713	465.911863	444.463702	141.067336	1148.34937	2.77179296	13.2940179	12.6774064	3.94064856	32.6838659
11911	Z72A	NonEnzymeRegulator	0.92160903	12.9786289	24.6226991	11.0130154	49.5359524	143.667921	2088.92256	3844.51665	1657.79783	7734.90495	21.367156	303.155588	570.389128	252.753345	1147.66522	0.61863773	8.77877373	16.2680645	7.12569311	32.7911691
11921	P1XA	NonEnzymeRegulator	1.93225281	13.8046545	26.0880687	5.47979896	47.304775	295.116508	2053.2365	3831.68405	791.765278	6971.80234	44.5102796	316.370651	595.867979	124.687123	1081.43603	1.2672101	8.9514441	16.6938799	3.48147588	30.39401
11932	W5QA	NonEnzymeRegulator	1.94332844	12.4608843	26.1731793	8.53020867	49.1076007	308.117222	1945.51879	4002.79391	1269.57202	7526.00194	45.2631188	289.065563	603.933294	195.587047	1133.84902	1.29031013	8.26239357	17.1547157	5.50473894	32.2121583
11942	R9FA	NonEnzymeRegulator	3.18068579	17.4319185	23.272971	5.14003652	49.0256119	485.12313	2717.27911	3636.86253	808.49432	7647.75909	73.3234708	403.795335	539.043034	119.054514	1135.21635	2.07935226	11.5024017	15.3423742	3.33310137	32.2572296
11953	MXNB	NonEnzymeRegulator	1.90924448	16.4998828	22.1473013	7.62020082	48.1766294	296.185775	2504.86047	3418.04164	1187.63547	7406.72335	44.4163548	379.673419	510.445564	175.221726	1109.75706	1.27775437	10.6048738	14.2075249	4.76467376	30.8548269
11962	NSZA	NonEnzymeRegulator	2.337797	16.6344187	27.5147525	3.01049768	49.8665876	356.199171	2535.34692	4126.59965	451.72787	7525.28553	53.9722679	383.973933	631.906923	69.0123582	1147.31599	1.54197999	10.9695633	17.7987215	1.9177162	32.4598566
11971	LYQA	NonEnzymeRegulator	0.49529028	18.1169056	22.0189072	6.18415949	46.8152626	77.9297741	2736.73765	3254.07503	918.845407	6987.58785	11.4909726	416.633242	504.338191	141.714863	1074.17727	0.3274255	11.7894493	14.2000854	3.91965946	30.2366197
11981	GS5A	NonEnzymeRegulator	1.9214477	9.94122621	23.6390589	11.2949616	46.7966944	276.63889	1432.00631	3459.26274	1641.22602	6809.13397	43.6502882	226.137834	539.391008	257.402134	1066.58126	1.23023506	6.38714055	15.1484907	7.17251262	29.9383789
11992	A26A	NonEnzymeRegulator	3.21450565	18.8452921	16.7550217	11.9323926	50.747212	450.631867	2641.24094	2410.02338	1781.31256	7283.20875	72.686258	425.900436	380.456476	272.629168	1151.67234	2.0444607	11.8246234	10.4970412	7.45914252	31.8252679
12004	GS3A	NonEnzymeRegulator	1.1171589	24.379772	16.1740131	8.39829036	50.0692343	171.339836	3683.22926	2474.69271	1261.67999	7590.94179	25.8129243	560.747018	372.827608	192.321756	1151.70931	0.74902097	16.0399176	10.5417949	5.34655129	32.6772847
12011	RP0A	NonEnzymeRegulator	6.24889756	28.2452078	9.50625209	2.49269944	46.4930569	889.387384	4147.72878	1423.0046	390.509841	6850.6306	142.191015	646.103689	218.260342	57.9681496	1064.5232	3.99918139	18.1750964	6.04875839	1.67583123	29.8988675
12021	MY7A	NonEnzymeRegulator	3.27262601	23.980978	18.2287281	3.68984482	49.172177	520.672138	3729.13085	2752.05332	590.695556	7592.55187	76.2515487	555.078414	418.12502	85.1048998	1134.55988	2.16524111	15.6993008	11.6226283	2.25358467	31.7407549
12032	W31A	NonEnzymeRegulator	1.33815927	13.3908071	22.2783029	12.8495412	49.8568104	208.331388	2061.18424	3456.99372	1936.07873	7662.58808	31.0093346	309.094832	514.560462	294.878384	1149.54301	0.89313692	8.75219983	14.4643826	8.22891798	32.3386373
12043	Q2IA	NonEnzymeRegulator	1.82332421	11.5271195	24.556683	9.98785258	47.8949793	275.323155	1775.87723	3732.40386	1505.25757	7288.86182	41.9233579	266.241256	565.107441	229.371132	1102.64319	1.17304959	7.5244736	15.8679428	6.386676	30.952142
12053	UFEA	NonEnzymeRegulator	4.88010598	23.5856887	16.0767261	6.62653247	51.1690533	741.15864	3569.71459	2389.17893	977.742929	7677.79509	112.291363	542.640038	368.315843	151.150927	1174.39817	3.1843753	15.3772504	10.317071	4.23949481	33.1181916

12063	KC2A	NonEnzymeRegulator	2.41521456	14.5035614	20.8989479	10.672633	48.4903569	370.530425	2267.35622	3182.95359	1599.14121	7419.98144	55.6514958	335.831316	481.084298	244.36376	1116.93087	1.57195901	9.57865308	13.6127937	6.81978163	31.5831874
12072	QJLA	NonEnzymeRegulator	0	10.4728425	26.5530134	11.3912684	48.4171242	0	1560.92791	3952.07746	1648.49893	7161.5043	0	240.165606	608.778092	259.950953	1108.89465	0	6.86975195	17.2734231	7.27713669	31.4203118
12081	KWFA	NonEnzymeRegulator	0.41090365	8.27343227	24.8118593	14.2146755	47.7108707	66.9409477	1298.88843	3918.29806	2189.10517	7473.23261	9.58380768	192.147547	576.700953	327.998662	1106.43097	0.26944586	5.50459018	16.4352087	9.19009187	31.3993366
12092	Z0JA	NonEnzymeRegulator	2.07382192	11.4034832	23.9493502	9.04088198	46.4675373	295.464238	1695.18764	3562.10027	1350.28181	6903.03395	47.0249608	260.947926	547.808584	207.147043	1062.92851	1.31080187	7.32853225	15.3770425	5.8016535	29.8180301
12101	XUBA	NonEnzymeRegulator	1.46324367	14.6025762	20.5605979	10.5502792	47.1766969	211.733417	2226.03276	3167.67251	1591.28967	7196.72835	33.3029123	336.692446	474.309525	241.956706	1086.26159	0.93019892	9.53093128	13.3925274	6.74536521	30.5990228
12114	G9PA	NonEnzymeRegulator	4.54888799	18.7608871	19.0981608	5.55454341	47.9624793	658.610622	2810.67249	2880.18974	819.841314	7169.31417	103.372207	429.519478	438.617623	126.941104	1098.45041	2.88009313	12.0281838	12.2820843	3.53333948	30.7237008
12123	JRVA	NonEnzymeRegulator	1.37549518	9.61897359	21.4740731	17.4993378	49.9678797	211.619837	1499.18646	3296.24873	2647.72789	7654.78291	31.7937508	222.744229	495.650175	402.544298	1152.73245	0.91237621	6.38501132	14.1221371	11.3878462	32.8073708
12132	XBGA	NonEnzymeRegulator	0.98125677	14.5717095	27.362066	5.0881549	48.0031872	152.338558	2297.80623	4282.87569	774.339681	7507.36016	22.738301	338.64132	633.266747	116.907432	1111.5538	0.65687854	9.71543076	17.8415976	3.26344456	31.4773514
12143	AGNA	NonEnzymeRegulator	3.04703625	15.9058727	21.9383509	4.73913913	45.630399	484.779842	2478.44826	3320.87177	727.24938	7011.34926	70.9271828	368.85458	505.442364	109.175279	1054.39941	2.03150122	10.4226741	14.0759254	2.99667266	29.5267734
12151	NKIA	NonEnzymeRegulator	3.00405323	18.3501863	19.8389146	7.49564357	48.6887977	502.45993	2979.73443	3126.42422	1179.71735	7788.33593	70.7315271	428.731589	459.08365	174.473646	1133.02041	2.03017799	12.2905474	12.8222608	4.88928918	32.0322753
12161	M9ZA	NonEnzymeRegulator	1.76981564	12.1098873	24.4794241	8.895482	47.254609	267.152359	1798.19522	3619.31031	1328.54934	7013.20722	40.8910297	279.181988	562.51365	204.097443	1086.68411	1.16092958	7.86937766	15.7905865	5.70434231	30.5252361
12173	SUKA	NonEnzymeRegulator	2.90177085	15.9626959	21.3672828	4.30459454	44.5363441	441.115021	2418.18728	3182.49748	650.611143	6692.41093	66.8444881	367.675741	489.892983	98.8940723	1023.30728	1.89301262	10.3143463	13.6318372	2.7667231	28.6059192
12181	H32A	NonEnzymeRegulator	1.74810981	15.9143661	24.544394	5.44566576	47.6525357	269.491956	2446.44855	3814.4012	830.95278	7361.29449	40.2975314	367.097928	567.67961	125.327403	1100.40247	1.13015251	10.3053502	15.914159	3.43617995	30.7858417
12192	Q6KA	NonEnzymeRegulator	2.5310164	13.642807	19.8377088	10.6487562	46.6602883	385.038881	2078.24092	3010.10433	1566.52318	7039.90732	58.3005584	313.942088	456.32366	243.5503	1072.11661	1.66941844	8.86766016	12.8093456	6.86421262	30.2106369
12201	QDDA	NonEnzymeRegulator	8.15231735	31.8939077	5.91160838	1.94251062	47.9003441	1322.42503	5076.05288	918.039437	276.044936	7592.56229	190.91636	742.973579	136.258913	43.9370119	1114.08586	5.53813887	21.1982552	3.78815181	1.17311703	31.6976629
12211	G2RA	NonEnzymeRegulator	2.77693769	18.5988598	22.8813572	5.61811217	50.4794387	419.409135	2778.35745	3465.11511	854.645164	7610.47575	63.7725918	426.25696	525.063761	128.527006	1157.46338	1.82116193	12.0767055	14.6696977	3.54122622	32.4918856
12223	G4EA	NonEnzymeRegulator	1.50146762	10.3017704	27.1652229	9.19893606	48.167397	225.852959	1591.22061	4164.7236	1401.08636	7382.88353	34.5761581	238.684279	626.677202	211.567641	1111.50528	0.97603294	6.81723192	17.6995448	5.91866142	31.4114711
12231	V6PA	NonEnzymeRegulator	4.89423901	17.316494	19.5725435	5.36645074	47.1497273	771.69946	2661.70679	2955.94645	861.157619	7250.51031	113.130715	399.466068	449.106782	124.486726	1086.19029	3.11362596	10.8461441	12.225867	3.3767159	29.5623529
12243	M6ZA	NonEnzymeRegulator	1.26994853	13.8826044	25.7298577	8.91959991	49.8020105	203.792979	2141.04148	3898.74127	1339.90623	7583.48196	29.4563929	320.35119	590.504777	204.331429	1144.64379	0.82387251	9.04014834	16.4390067	5.66862661	31.9716542
12251	YPYA	NonEnzymeRegulator	2.62601668	22.6407652	18.6225838	2.14435838	46.033724	373.304164	3285.51072	2674.77929	302.519705	6636.11388	59.835221	516.452287	423.373669	48.437928	1048.09911	1.69121323	14.4266023	11.6644486	1.33244671	29.1147109
12262	UVOA	NonEnzymeRegulator	0.99892881	10.5605904	22.5806491	7.03871367	41.178882	143.559518	1539.46894	3385.89192	1057.56799	6126.48837	22.8933683	243.33609	522.593146	162.970864	951.793469	0.63533112	6.68058972	14.4628831	4.50758591	26.2863899
12273	UZQB	NonEnzymeRegulator	0.51700905	12.4642313	21.1538218	13.9365943	48.0716564	77.5363519	1835.39756	3111.97902	2083.61354	7108.52647	11.8942731	285.264996	484.025232	319.985751	1101.17025	0.34684312	8.15233577	13.6395385	8.99582122	31.1345386
12284	E2UA	NonEnzymeRegulator	0.58289105	11.1093659	20.6437704	16.6244236	48.9604508	92.6097677	1720.35894	3171.72941	2509.95861	7494.65673	13.5379036	257.007695	476.763713	382.551802	1129.86111	0.38643076	7.32295298	13.5672256	10.8330938	32.1097031
12293	D2QA	NonEnzymeRegulator	0.69771553	13.1519279	18.2977039	16.0362851	48.1836324	108.807367	2055.8603	2819.09046	2464.83293	7448.59106	16.1168523	304.824271	422.986115	369.514807	1113.44204	0.44711796	8.58896069	11.7056446	10.0211114	30.7628347
12301	C1KA	NonEnzymeRegulator	3.07805269	19.0635482	19.8304507	9.23387531	51.2059268	473.416617	2943.26122	3063.8571	1434.63779	7915.17273	71.1264951	441.001922	458.858762	213.604317	1184.5915	2.0481957	12.6528782	13.1036028	6.06529388	33.8699706
12313	GMXA	NonEnzymeRegulator	1.60859585	8.63730153	21.40993	16.5450932	48.5093011	253.301813	1364.66842	3378.9011	2586.58106	7630.20746	37.2609712	200.929745	497.40729	383.450182	1126.13286	1.0445943	5.7027897	14.0959683	10.8262339	31.8673509
12322	C92A	NonEnzymeRegulator	5.01393983	26.5393232	12.2673879	1.63450771	45.4551586	705.717421	3863.59853	1814.91932	261.56601	6645.80128	113.32104	603.498162	279.748508	37.7516476	1034.31936	3.16615738	16.7534969	7.69472237	1.02360029	28.637977
12331	IQZA	NonEnzymeRegulator	0.6065377	10.9751273	22.9651623	11.4991503	46.0459776	88.9273325	1616.10264	3345.64142	1677.72464	6728.39603	13.8846637	252.230287	526.680029	263.640364	1056.43534	0.39895527	7.19282984	14.8894841	7.45477424	29.9360435
12344	DFXI	NonEnzymeRegulator	4.69830226	20.9287398	14.1296172	7.05906561	46.8157248	725.038792	3280.64897	2213.88846	1121.69079	7341.26702	107.566701	482.739188	326.336836	163.72243	1080.36516	2.89842386	13.3471499	9.08857307	4.50457992	29.8387268
12352	I8TA	NonEnzymeRegulator	1.5859996	11.1392738	22.9294712	13.9442066	49.5989511	249.471956	1794.38151	3672.51308	2127.18019	7843.54673	36.8009074	259.699738	533.911638	321.10384	1151.51612	1.05891313	7.42229638	15.1882899	8.99345693	32.6629563
12362	ZEXA	NonEnzymeRegulator	2.60769515	20.8953037	20.4341363	3.42320902	47.3603443	408.089011	3283.5632	3113.55432	522.11857	7327.3251	60.433838	485.615968	470.986445	78.8919235	1095.92817	1.7388591	13.9657601	13.3408594	2.19350241	31.238981

1237	2FULA	NonEnzymeRegulator	6.93065095	37.1335266	4.86113565	0.63832298	49.5636362	1050.92498	5574.02886	756.259464	86.363205	7467.57651	160.029349	852.512446	112.629837	14.3865556	1139.55819	4.57823021	24.1817351	3.2292688	0.40321413	32.3924482
1238	2VLQA	NonEnzymeRegulator	0.60134592	17.7843698	22.2441601	7.352271	47.9821468	94.7276398	2658.69643	3358.05822	1071.59745	7183.07975	14.010392	408.345594	511.418316	167.678402	1101.4527	0.40221301	11.5533844	14.4177686	4.65005884	31.0234248
1239	1Z3XA	NonEnzymeRegulator	3.84420439	15.8140013	23.0297514	6.80594247	49.4938996	631.288349	2474.36174	3637.46411	1060.60957	7803.72377	90.0397908	366.02343	534.396433	157.335783	1147.79544	2.60811442	10.4060655	15.128202	4.42418579	32.5665678
1240	2PHNA	NonEnzymeRegulator	4.17167961	20.501539	20.8587017	2.49186045	48.0237807	600.903191	2987.60093	3133.23581	385.835945	7107.57587	95.0453133	467.652006	477.632016	57.3522953	1097.68163	2.68244761	13.1233869	13.3405309	1.59314394	30.7395094
1241	1ZZ1A	NonEnzymeRegulator	2.46315888	18.3810801	22.9001574	2.63806612	46.3824625	384.051524	2855.54655	3455.84288	396.905318	7092.34628	57.0386106	425.150233	526.009192	60.553464	1068.7515	1.61729195	11.9932466	14.6506061	1.67296622	29.9341109
1242	1GVPA	NonEnzymeRegulator	4.12104465	21.8954442	15.8029512	6.42206809	48.2415081	611.555216	3258.30004	2345.02895	976.548468	7191.43268	94.1268727	502.222592	362.557185	147.690933	1106.59758	2.63485626	14.1994115	10.2712292	4.13953134	31.2450283
1243	1UJPA	NonEnzymeRegulator	4.71013747	26.1866345	16.2555965	0.57445412	47.7268226	693.975204	3918.11205	2454.53026	83.8247933	7150.44231	108.119871	600.287492	372.375913	13.1590936	1093.94237	3.13965634	16.9969547	10.3599266	0.38247676	30.8790144
1244	3TNYA	NonEnzymeRegulator	2.54879825	14.9651235	21.3024165	10.2192106	49.0355489	401.203833	2317.92063	3194.03427	1494.11255	7407.27129	59.1325872	346.214161	488.803889	233.070827	1127.22146	1.68925985	9.8631732	13.7732032	6.54837105	31.8740073
1245	2VPBB	NonEnzymeRegulator	7.89757257	30.6451488	4.03848289	3.56251846	46.1437228	1171.73649	4510.58197	583.551877	489.30585	6755.17619	180.700478	702.230673	92.0061491	81.0637006	1056.001	5.10818567	19.8355306	2.60939466	2.26195955	29.8150705
1246	1JKEA	NonEnzymeRegulator	3.40170052	19.7541179	18.9819185	5.38907567	47.5268126	497.351041	2971.16466	2806.85189	788.645215	7064.01281	77.681691	453.586059	433.823365	123.145431	1088.23655	2.23694394	12.7460291	11.9877803	3.37217905	30.3429323
1247	2YH6A	NonEnzymeRegulator	2.269886	16.2155828	19.1768613	10.7099804	48.3723105	331.461553	2411.71487	2908.61432	1623.07916	7274.8699	52.0682736	371.512218	440.683845	245.795321	1110.05966	1.47337999	10.4272105	12.2584166	6.77725478	30.9362619
1248	1JZ8A	NonEnzymeRegulator	4.24986809	20.3952686	18.1122267	5.95982801	48.7171915	675.109389	3229.39449	2872.9224	917.541406	7694.96768	98.8649408	473.579627	420.349506	137.418931	1130.213	2.79162077	13.3562508	11.8703862	3.85575953	31.8740173
1249	1WU9A	NonEnzymeRegulator	11.705847	17.0820378	15.5503429	5.46834761	49.8065753	1845.09817	2487.65447	2224.15878	749.789184	7306.7006	271.461401	389.772597	353.140284	123.762313	1138.13659	7.72239256	10.9865758	9.70429352	3.39345503	31.8067169
1250	1UOYA	NonEnzymeRegulator	1.41911203	10.7937701	22.8278411	8.97650224	44.0172255	224.66268	1692.02707	3477.72092	1332.07151	6726.48217	33.0606807	249.635664	525.275312	205.596202	1013.56786	0.91670208	6.84392851	14.3025044	5.54778371	27.6109187
1251	2OLMA	NonEnzymeRegulator	5.29611958	24.8372146	16.738766	2.695002	49.5671022	822.843563	3852.81173	2590.75349	403.08021	7669.48899	122.828184	574.114311	386.601769	61.377877	1144.92214	3.46460893	16.1396914	10.9032971	1.66043907	32.1680365
1252	2H1VA	NonEnzymeRegulator	2.41918413	20.0079391	20.3838422	5.97284044	48.7838059	380.929702	3093.00996	3080.26361	884.463758	7438.66703	56.2339037	462.763035	468.710916	136.729246	1124.4371	1.6152619	13.1761941	13.1775374	3.79422079	31.7632142
1253	3BC9A	NonEnzymeRegulator	4.27186222	20.5537038	17.1033239	6.79256453	48.7214545	689.363236	3202.56489	2680.77078	1024.35875	7597.05765	99.8503518	476.011206	396.891718	156.194559	1128.94784	2.88144199	13.5025804	11.2823244	4.43049503	32.0968418
1254	3FEGA	NonEnzymeRegulator	2.32274466	18.6226789	21.0433663	8.1381009	50.1268908	358.71146	2944.28404	3270.13013	1256.62696	7829.75259	53.7394572	433.635039	487.22074	187.580873	1162.17611	1.52231402	12.4566223	13.8334423	5.19738809	33.0097667
1255	1UKFA	NonEnzymeRegulator	2.50706161	11.6254453	28.9464257	3.50464746	46.58358	384.059001	1793.41171	4432.21539	516.26125	7125.94736	57.8067181	268.1532	666.143684	79.8668042	1071.97041	1.63830041	7.53779574	18.5094897	2.17765182	29.8632377
1256	3QL9A	NonEnzymeRegulator	2.29032858	17.1227102	20.4035248	8.34861672	48.1651803	360.729891	2629.57688	3114.63385	1255.58888	7360.5295	53.358191	396.11442	471.646541	192.049151	1113.1683	1.51595981	11.2121377	13.2439334	5.31341375	31.2854446
1257	2CWSA	NonEnzymeRegulator	1.52786427	10.9652419	25.7092587	8.96538201	47.1677469	239.735068	1681.28419	3923.16394	1344.74715	7188.93036	35.4175793	253.288553	592.839749	205.63426	1087.18014	1.01280701	7.20495645	16.7411464	5.72718899	30.6860989
1258	2WY4A	NonEnzymeRegulator	0.34647872	16.5334222	26.3943219	6.19406983	49.4682926	48.123823	2478.52442	3914.81671	906.454052	7347.919	7.88395084	380.805057	605.568404	141.625846	1135.88326	0.22573533	10.9066864	17.1314237	3.99342694	32.2572724
1259	4AIWA	NonEnzymeRegulator	1.5856775	13.4013757	24.6581589	8.2829661	47.9281782	253.949521	2120.53873	3832.71591	1282.515	7489.71917	36.9802966	311.328282	569.450163	191.390377	1109.14912	1.04430801	8.81680357	15.9465421	5.3810285	31.1886822
1260	1H16A	NonEnzymeRegulator	2.56029705	15.6752269	24.4370828	5.60716881	48.2797756	392.970911	2400.49993	3695.51326	829.772789	7318.75688	59.1862375	361.672987	562.011102	128.355359	1111.22569	1.67542596	10.2063234	15.7707963	3.61348606	31.2660318
1261	2Z72A	NonEnzymeRegulator	1.51630797	13.6394549	21.2493923	12.6129998	49.0181549	223.584369	2096.3393	3258.70074	1909.35894	7487.98335	34.7794554	314.999098	489.751568	289.756273	1129.28639	0.97708277	8.91887875	13.8669764	8.12164649	31.8845844
1262	2QJZA	NonEnzymeRegulator	1.17037912	7.41064414	27.3826707	13.8199536	49.7836476	183.935922	1172.55353	4239.97568	2132.61177	7729.07689	27.344085	172.721768	633.463594	318.743867	1152.27331	0.79014329	4.98987271	18.1056736	8.94559129	32.8312809
1263	4F87A	NonEnzymeRegulator	3.34720408	15.3561383	25.3792616	4.24700696	48.329611	544.831127	2422.65545	3775.34314	616.272271	7359.10198	78.319843	356.822589	580.943666	96.5951207	1112.68122	2.27448763	10.3098637	16.2834791	2.66937358	31.537204
1264	3GZAA	NonEnzymeRegulator	4.02589433	21.3426327	19.7174787	3.89312185	48.9791275	631.638381	3375.15704	3055.68217	599.421417	7661.89901	93.3350118	495.167384	455.177852	89.6123996	1133.29265	2.6604658	13.9962791	12.792472	2.50929654	31.9585134
1265	1N62C	NonEnzymeRegulator	1.71268224	16.7485042	18.9605572	9.0994552	46.5211987	250.508689	2509.59789	2790.82526	1324.35371	6875.28554	39.2914799	384.4034	432.757752	207.573683	1064.02631	1.09964232	10.8249873	12.0676466	5.80854542	29.8008217
1266	4DMIA	NonEnzymeRegulator	7.56093757	21.0710454	10.7507387	7.51167836	46.8944	1137.43623	3035.34816	1535.03847	1099.35132	6807.17417	173.89742	478.291727	243.147491	170.828152	1066.16479	4.96502594	13.2296964	6.6299425	4.70102688	29.5256917
1267	3SHGB	NonEnzymeRegulator	0.79877852	19.1740798	16.5253382	13.5566525	50.054849	114.335859	2809.96718	2466.51346	1999.54471	7390.36121	18.268113	436.698526	377.297858	308.897396	1141.16189	0.50582596	11.9545877	10.3021953	8.45474862	31.2173576

1268	1XGKA	NonEnzymeRegulator	2.62866989	17.6815858	25.3215562	2.62587728	48.2576892	412.824277	2777.43539	3884.42606	400.803103	7475.48883	60.9445872	410.374067	584.067179	60.5509931	1115.93683	1.73505357	11.7211802	16.501271	1.70218501	31.6596898
1269	4ERYA	NonEnzymeRegulator	0.29993596	10.4450405	24.4722772	12.7772097	47.9944633	45.4811381	1608.02917	3781.93077	1962.53521	7397.9763	6.91240635	241.21811	565.024173	294.600107	1107.7548	0.19819718	6.91522458	16.0812153	8.37308991	31.567727
1270	1I4UA	NonEnzymeRegulator	2.22459903	21.3201611	23.4245179	1.88545157	48.8547296	355.102719	3343.26359	3634.24396	291.998954	7624.60923	52.0385594	494.972809	541.952538	43.6968423	1132.66075	1.52709566	14.1631607	15.2976907	1.2503376	32.2382847
1271	1GVDA	NonEnzymeRegulator	0.97111138	18.3207967	28.1205655	4.80577742	52.218251	161.025254	2938.46248	4525.2916	762.424612	8387.20395	22.8328045	425.105199	653.195903	111.258283	1212.39219	0.63671741	11.9056436	18.3522401	3.12172764	34.0163287
1272	2BLNA	NonEnzymeRegulator	2.27923819	16.9820249	18.1868256	10.1089259	47.5570146	360.328695	2669.09906	2762.79565	1510.67051	7302.89391	52.7719605	393.683032	418.532912	231.52691	1096.51481	1.48913112	11.1240791	11.8390483	6.50894135	30.9611999
1273	3BPTA	NonEnzymeRegulator	2.16485253	14.8883065	22.2813576	9.14712823	48.4816448	325.006504	2282.23268	3367.37444	1343.18832	7317.80194	49.7006773	343.330098	511.656918	208.997309	1113.685	1.40661856	9.7718538	14.414981	5.84881418	31.4422676
1274	3F0DA	NonEnzymeRegulator	2.66612397	16.9958284	21.6991892	5.63326628	46.9944079	389.46522	2507.53673	3314.97964	867.539201	7079.52079	60.7766408	387.672898	498.546876	129.747997	1076.74441	1.70944833	10.7614444	13.9493099	3.62963611	30.0498387
1275	2CB8A	NonEnzymeRegulator	3.58219237	13.9046646	22.921026	9.4445868	49.8524698	588.843241	2153.75571	3495.24312	1456.34399	7694.18606	84.29788	322.036221	527.807426	218.156521	1152.29805	2.45174752	9.18910674	14.8611526	6.2048157	32.7068225
1276	1KOEA	NonEnzymeRegulator	1.14879152	10.1788066	28.4915247	7.82429194	47.9240101	179.82326	1590.59626	4451.99603	1217.46982	7482.22532	26.693483	235.405339	658.41169	180.517534	1107.47389	0.77211864	6.66478142	18.4464161	4.99801877	31.0638394
1277	3O3YA	NonEnzymeRegulator	12.5044581	12.2852901	17.7454969	7.22454164	49.7597868	1857.02009	1905.13947	2921.00558	1064.35385	7747.51899	285.750236	283.785391	416.125518	165.491485	1151.15263	8.01340416	7.97402097	11.8377068	4.66595034	32.4910822
1278	3MWXA	NonEnzymeRegulator	1.86182758	11.6585212	21.63212	13.7197058	48.8721745	302.198777	1842.03818	3327.79947	2107.55033	7579.58675	43.6302938	270.819803	498.89822	316.007818	1129.35613	1.27082534	7.75109958	14.125836	8.85637601	32.004137
1279	1UCDA	NonEnzymeRegulator	2.63716884	9.65828062	26.573589	9.35827739	48.2273159	436.382335	1569.4712	4217.27288	1440.37027	7663.49669	61.8968712	226.018139	617.401669	215.681902	1120.99858	1.78499434	6.4882038	17.5307296	6.05138394	31.8553116
1280	2Z6RA	NonEnzymeRegulator	2.31060448	14.8043333	22.3313173	9.37183765	48.8180928	346.585739	2227.04356	3374.04413	1388.06243	7335.73586	53.1241164	340.45262	513.362464	214.338536	1121.27774	1.51858564	9.67899616	14.5546867	6.02218548	31.774454
1281	2J05A	NonEnzymeRegulator	0.80685263	17.4012581	25.2049415	6.84381151	50.2568638	127.427938	2727.24387	3904.13828	1041.12578	7799.93587	18.7469293	402.740641	581.15438	157.13354	1159.77549	0.54580615	11.4289939	16.2754847	4.35453828	32.604823
1282	2O5GB	NonEnzymeRegulator	7.6163548	16.0652437	10.9143896	16.5834528	51.1794409	1245.198	2604.27531	1786.05777	2700.25326	8335.78433	176.760566	372.123285	253.675243	384.297297	1186.85639	4.85040897	10.2571264	7.05621031	10.5703284	32.734074
1283	4ES8A	NonEnzymeRegulator	10.9285008	22.8773913	13.4126839	1.61168739	48.8302634	1629.65935	3443.05163	2003.5907	230.359006	7306.66068	250.462886	524.9738	307.232182	36.5879758	1119.25684	7.07113574	14.7868427	8.65504919	1.02291446	31.5359421
1284	3ACXA	NonEnzymeRegulator	0.99125801	13.3177015	25.7425291	10.1544647	50.2059533	148.225229	2055.07883	3967.61429	1583.75115	7754.66949	22.730266	307.790875	594.73836	235.65818	1160.91768	0.64282878	8.76558318	16.8295469	6.67085045	32.9088093
1285	3NZNA	NonEnzymeRegulator	2.45448511	11.9949632	26.8785902	7.97477639	49.3028149	380.770308	1841.41841	4064.80527	1199.50846	7486.50245	57.0846401	277.102299	616.807639	182.691893	1133.68647	1.65497813	7.92648685	17.2423862	5.06573265	31.8895839
1286	3HPWC	NonEnzymeRegulator	4.28471359	13.0258569	19.3002875	12.7691819	49.3800398	641.216112	1983.82785	3068.43723	2152.32732	7845.8085	98.6690918	300.335479	448.212754	299.304759	1146.52208	2.75590577	8.3452518	12.4171206	8.2468263	31.7651045
1287	3SEEA	NonEnzymeRegulator	2.0782059	13.9184061	24.6590881	7.15215104	47.8078511	322.011026	2164.95428	3665.1582	1034.70127	7186.82478	48.1532326	322.378535	564.362266	162.546329	1097.44036	1.39434796	9.23570798	15.802435	4.45406587	30.8865568
1288	1HYOA	NonEnzymeRegulator	2.95049088	19.0439457	21.3508697	4.23753748	47.5828437	450.812377	2943.61578	3271.7298	651.527437	7317.68539	68.4275043	440.747567	492.156659	97.3887444	1098.72047	1.97492333	12.5271171	13.8519744	2.67994409	31.0339589
1289	3OS4A	NonEnzymeRegulator	1.10094567	11.580004	26.591878	10.0638068	49.3366344	173.217487	1788.58716	4131.55521	1534.86291	7628.22277	25.5243284	267.079869	614.619835	231.409674	1138.63371	0.7222304	7.53046451	17.411938	6.48308388	32.1477167
1290	1GYXA	NonEnzymeRegulator	1.97079758	7.6481086	29.1435647	10.0607396	48.8232105	287.681497	1126.97427	4446.05971	1489.83527	7350.55075	44.9630479	174.841859	671.613411	230.545326	1121.96364	1.26999026	4.93331136	19.0334712	6.4211762	31.657949
1291	1M1QA	NonEnzymeRegulator	1.89606139	9.23626387	22.9675307	10.7744668	44.8743227	289.315338	1416.29854	3465.88199	1585.53447	6757.03033	43.9473626	213.390656	528.083008	245.717716	1031.13874	1.21134935	5.94083984	14.5225133	6.67072954	28.345432
1292	2V1MA	NonEnzymeRegulator	1.84444745	8.08424523	28.3667909	11.2484053	49.5438888	284.374343	1269.89913	4368.1664	1701.19915	7623.63903	42.6543592	187.835129	654.767447	258.650485	1143.90742	1.23300045	5.40332166	18.4938892	7.26504203	32.3952533
1293	2J6BA	NonEnzymeRegulator	3.23177188	16.3755232	24.113723	5.82285532	49.5438734	499.247974	2457.591	3499.5711	852.5867	7308.99677	74.9155626	376.845969	549.498896	133.044719	1134.30515	2.18045502	10.8000415	15.4957331	3.74607454	32.2223041
1294	2NNUB	NonEnzymeRegulator	4.68889706	14.5468055	19.7438247	9.57447545	48.5540027	680.866582	2153.71762	2964.99379	1399.23981	7198.8178	107.213656	334.209925	455.702281	219.574026	1116.69989	3.01315734	9.50865974	13.0354492	6.22103911	31.7783053
1295	3LWXA	NonEnzymeRegulator	4.38112757	28.3420825	13.5278947	1.22521605	47.4763208	688.688571	4306.25757	2002.53149	190.564214	7188.04184	101.648956	652.406514	309.343095	28.2255238	1091.62409	2.91321256	18.5095222	8.64952873	0.78178105	30.8540445
1296	2DXAA	NonEnzymeRegulator	1.48197198	8.60381056	26.7420272	10.5785043	47.4063141	214.130842	1259.8001	3925.03654	1561.54495	6960.51243	33.7404617	196.47536	609.976767	241.489999	1081.68259	0.95738413	5.58099368	17.1262288	6.74842943	30.4130361
1297	2ACFA	NonEnzymeRegulator	2.68941751	22.2163114	19.1615114	2.59312763	46.6603679	387.228852	3243.17525	2813.67921	416.813221	6860.89653	61.2361293	507.079672	438.082094	60.6246009	1067.0225	1.74350791	14.2599141	12.2674859	1.69486146	29.9657694
1298	1IO0A	NonEnzymeRegulator	2.10277621	19.0510508	20.3609317	6.68034299	48.1951017	311.577453	2756.83739	2969.37882	1002.63516	7040.42883	48.06721	434.229188	464.593294	152.612116	1099.50181	1.35755662	12.2088562	12.8717078	4.15731536	30.595436

12993	3O4PA	NonEnzymeRegulator	1.8261459	11.6255787	28.1774789	6.33029942	47.9595028	272.623477	1789.10993	4356.34	958.066148	7376.13956	42.0333091	268.888561	651.411181	145.679339	1108.01239	1.18441556	7.66545164	18.4155851	4.10318991	31.3686422
13004	4DQAA	NonEnzymeRegulator	5.83956823	25.0088621	13.2675987	3.90070323	48.0167323	885.560428	3873.82824	2044.67776	562.173116	7366.23955	134.233302	578.584063	306.381271	88.5615511	1107.76019	3.78985732	16.5067249	8.68285294	2.46585186	31.445287
13013	3SOJA	NonEnzymeRegulator	2.5480422	12.1054087	22.2222102	8.77666935	45.6523304	376.076067	1765.99022	3279.23971	1286.02729	6707.3333	58.1185372	276.16346	507.27039	200.029021	1041.58141	1.62977489	7.70742338	14.0032932	5.49926131	28.8397528
13022	2GJ4A	NonEnzymeRegulator	2.31845083	17.903407	23.3545468	5.91646792	49.4928726	356.42826	2745.93514	3609.66604	914.734346	7626.76379	53.548929	413.255508	539.112172	136.394142	1142.31075	1.51240856	11.6771495	15.1743481	3.81868025	32.1825864
13033	3CI3A	NonEnzymeRegulator	3.46482609	17.3747621	16.4980434	12.2915904	49.629222	537.011805	2681.7576	2499.07942	1867.54544	7585.39426	79.8026372	401.052041	379.362161	282.570707	1142.78755	2.23589838	11.3283205	10.6575113	7.9329175	32.1546477
13041	T9IA	NonEnzymeRegulator	2.56485617	19.0903766	22.4577154	5.79686235	49.9098105	377.343341	2865.53058	3448.42057	883.467638	7574.76213	58.6631998	437.966069	517.522034	132.985531	1147.13683	1.68114265	12.4185649	14.6581309	3.68700004	32.4448385
13051	JK3A	NonEnzymeRegulator	1.14372074	7.06868131	18.1839142	21.187648	47.5839643	178.262342	1131.28265	2875.0339	3344.32345	7528.90234	26.4271564	164.456827	422.508074	491.601522	1104.99358	0.75363855	4.69955088	12.0477825	13.8824996	31.3834715
13062	FB6A	NonEnzymeRegulator	4.42017809	24.8759114	18.1276202	1.06014521	48.4838549	675.459721	3730.56252	2744.38707	153.824888	7304.23421	101.873617	571.090238	417.123084	24.090667	1114.17761	2.95555266	16.2598173	11.7290624	0.64000683	31.5844391
13072	XU3A	NonEnzymeRegulator	3.56121305	16.8073079	24.1271582	2.31416242	46.8098415	548.517426	2604.5505	3724.31	344.070572	7221.4485	82.3711956	389.588464	558.47751	52.9976611	1083.43483	2.36560942	11.0918166	15.7214265	1.45792132	30.6367738
13083	UP3A	NonEnzymeRegulator	2.07374209	17.1243837	24.9543973	5.08306261	49.2355857	306.876592	2624.82265	3788.73416	752.441882	7472.87528	47.5957595	395.415421	574.000591	116.228705	1133.24048	1.33873816	11.1953968	16.0755678	3.21532835	31.8250311
13092	ET1A	NonEnzymeRegulator	2.62855374	17.1900752	18.81427	7.63968127	46.2725802	413.463237	2607.07716	2787.72862	1104.2262	6912.49523	60.931333	395.91476	430.987592	174.169887	1062.00357	1.72386908	11.2005089	12.1472077	4.90180243	29.973388
13101	QGIA	NonEnzymeRegulator	0.78764283	10.7094702	21.5856829	15.1600606	48.2428566	129.317949	1681.24839	3298.89921	2250.0658	7359.53136	18.5524374	248.757442	497.020419	346.915014	1111.24531	0.54896696	7.11149585	13.9252982	9.68251444	31.2682754
13113	O9ZA	NonEnzymeRegulator	2.042779	16.0484635	23.1154383	7.69532494	48.9020057	308.463586	2496.9745	3569.83632	1184.56126	7559.83566	46.8814548	370.779834	532.989864	177.066675	1127.71783	1.32949301	10.5208545	15.0505746	4.91540407	31.8163262
13122	CVEA	NonEnzymeRegulator	6.58456861	16.6695315	16.1940748	8.63737869	48.0855537	963.75414	2530.35756	2479.23109	1316.28618	7289.62897	150.107286	382.70392	372.472516	198.644428	1103.92815	4.24146179	10.7529762	10.4569249	5.60643643	31.0577993
13132	ZDPA	NonEnzymeRegulator	2.34322058	14.8892464	23.4346166	9.22107479	49.8881584	349.558735	2306.03952	3646.21048	1400.7922	7702.60093	53.7463019	344.369446	542.380034	212.250002	1152.74578	1.52361038	9.79670206	15.3676034	5.89291488	32.5808307
13143	AJDA	NonEnzymeRegulator	2.24292899	14.3596094	26.0844489	7.25259408	49.9395814	326.763714	2123.44722	3906.36267	1081.12628	7437.69988	51.3006511	329.335991	599.005791	166.085807	1145.72824	1.45277635	9.35150824	17.0043056	4.69254603	32.5011362
13152	HP0A	NonEnzymeRegulator	3.21864862	19.314157	21.3068443	2.6140612	46.4537111	497.381308	2965.44845	3249.51676	393.043941	7105.39046	74.2701122	445.299921	490.218822	59.8079207	1069.59678	2.0964262	12.6195147	13.8187032	1.65850709	30.1931512
13161	ELUA	NonEnzymeRegulator	3.8707305	19.0101515	20.720878	4.20006697	47.801827	614.614161	2919.11331	3213.7344	644.221671	7391.68354	90.0164441	438.561631	478.449141	96.8686754	1103.89589	2.5841757	12.4387626	13.4763535	2.72866563	31.2279574
13171	NLQA	NonEnzymeRegulator	0.95191081	18.126571	18.206035	10.8886359	48.1731527	145.598708	2722.84365	2703.96094	1616.00213	7188.40542	21.9878656	416.284791	416.665175	248.889915	1103.82775	0.63695451	11.8723462	11.7426342	6.87160744	31.1235423
13181	I2TA	NonEnzymeRegulator	1.59717956	18.4519608	24.6968331	3.87909585	48.6250693	227.379556	2721.98081	3633.17289	584.267984	7166.80125	36.3864259	421.881138	564.387941	89.0357383	1111.69124	1.03878803	11.8378751	15.8122686	2.49046603	31.1793977
13193	GVOA	NonEnzymeRegulator	2.31454282	15.6410383	17.9927197	13.4662097	49.4145105	360.069272	2347.59352	2708.38084	2065.6802	7481.72383	53.4482285	359.020678	413.165113	310.148706	1135.78273	1.48953866	10.0729479	11.5790442	8.68246619	31.823997
13201	TP6A	NonEnzymeRegulator	0.40071943	12.877349	25.6815186	9.78159995	48.741187	68.474409	2061.38008	3991.40402	1502.29965	7623.55815	9.40707619	299.169851	592.470883	224.584384	1125.63219	0.25863373	8.41753835	16.5861334	6.13621267	31.3985182
13213	AJ7A	NonEnzymeRegulator	2.72204613	16.9007484	25.089311	4.83754997	49.5496554	431.045805	2667.93349	3976.25288	745.41603	7820.6482	63.2837159	392.574817	582.948191	111.555332	1150.36206	1.79904228	11.2052764	16.5673562	3.14019355	32.7118684
13223	GOHA	NonEnzymeRegulator	1.87666888	13.6578178	20.4175974	12.3231161	48.2752001	285.478046	2085.52724	3144.58307	1853.74348	7369.33183	43.2402774	314.433131	470.717815	282.482337	1110.87356	1.23150621	8.89727291	13.3015747	7.91835594	31.3487097
13233	UT2A	NonEnzymeRegulator	3.48299044	17.4807961	21.9005517	4.45522472	47.3195629	547.387315	2709.12195	3352.27341	679.077335	7287.86001	80.6479389	404.006013	504.691017	102.438608	1091.78358	2.2512416	11.3794925	14.2302615	2.86629942	30.727295
13242	PQ8A	NonEnzymeRegulator	3.66193546	17.4584469	18.8700401	10.2837356	50.2741581	576.73828	2714.07099	2926.55043	1601.70816	7819.06787	85.288189	404.122955	436.819186	238.361091	1164.59142	2.49396931	11.5516567	12.4402641	6.79145542	33.2773456
13254	F9TA	NonEnzymeRegulator	1.41961147	12.4008163	22.867798	11.1206628	47.8088886	210.750657	1865.71673	3441.49316	1643.05067	7161.01121	32.4376622	284.117016	524.395489	253.87219	1094.82236	0.9063474	7.97015526	14.7399404	7.08123674	30.6976798
13263	KFFA	NonEnzymeRegulator	0.33667424	10.8283292	26.6607509	12.1522969	49.9780512	50.8784298	1705.04522	4092.6937	1775.43189	7624.04923	7.77611721	251.996237	615.440941	277.247788	1152.46108	0.22313623	7.27930916	17.4682919	7.74306426	32.7138016
13272	HQSC	NonEnzymeRegulator	2.72402783	13.8705811	20.4908469	11.4668577	48.5523135	423.841571	2139.67978	3133.3371	1760.23586	7457.0943	62.7144841	319.725579	472.201688	264.070597	1118.71235	1.74183041	8.98686622	13.2862249	7.33601954	31.350941
13283	NSOA	NonEnzymeRegulator	2.17587845	20.3605937	20.9443123	5.67939806	49.1601825	329.994735	3077.17531	3200.19937	876.597359	7483.96677	50.1713046	469.614588	483.663914	131.401812	1134.85162	1.43358559	13.3665856	13.6192524	3.67649036	32.095914
13293	GKRA	NonEnzymeRegulator	1.33545319	12.9402658	24.0535932	10.6038268	48.933139	210.218159	2012.9902	3665.02147	1592.48776	7480.71759	31.0590387	300.134654	554.520555	243.274669	1128.98892	0.88724171	8.5593459	15.6683372	6.80926123	31.9241861

13301	O82A	NonEnzymeRegulator	0	6.10810734	24.2222661	16.6191595	46.9495329	0	883.559244	3537.1541	2456.57455	6877.2879	0	139.397095	553.147956	380.05842	1072.60347	0	4.01121883	15.7991545	10.7794186	30.5897919
13313	RQ9A	NonEnzymeRegulator	3.637921	17.4990392	17.1505497	8.82802008	47.6814582	527.866514	2565.15144	2488.40273	1285.19396	6946.06297	82.9860783	399.694778	391.108724	201.232883	1087.80564	2.31974344	11.185574	10.9425496	5.53477532	30.3212631
13322	FMAA	NonEnzymeRegulator	1.6249717	22.421503	16.420079	7.77135539	48.2379091	258.871093	3572.72004	2504.19612	1140.00712	7475.79436	37.7907462	522.462131	378.996594	178.149057	1117.39853	1.07596742	14.8257838	10.5711015	4.94856555	31.4214183
13333	EOIA	NonEnzymeRegulator	8.68156921	32.8162201	5.64195887	1.63169555	48.7714438	1395.77986	4900.71249	896.94357	251.840026	7445.27594	202.662045	751.078858	130.353912	37.3425792	1121.43739	5.83914196	20.9856994	3.56176977	1.0071562	31.3937673
13343	KPEA	NonEnzymeRegulator	10.0113896	12.606261	13.3446752	12.1758591	48.1381849	1373.31936	1758.92386	1924.25186	1764.58029	6821.07537	225.140283	284.551283	303.540552	277.319784	1090.5519	6.28398297	7.9851897	8.57866933	7.82985297	30.677695
13351	JY2P	NonEnzymeRegulator	6.43114006	13.4112234	14.1687659	13.5492282	47.5603575	983.848356	1967.58822	2104.27598	2035.41146	7091.12401	148.688008	307.111577	325.034227	311.165334	1091.99915	4.25783748	8.57922032	8.99284162	8.78804436	30.6179438
13362	X6WA	NonEnzymeRegulator	10.4992201	20.8697685	9.35597217	5.86822125	46.5931821	1624.15563	3216.99031	1442.69967	899.227761	7183.07337	242.891873	482.19481	216.125278	135.356018	1076.56798	6.88149129	13.5966695	6.11557538	3.79694509	30.3906812
13372	X32A	NonEnzymeRegulator	1.14231565	18.1695035	19.2141874	8.91381838	47.4398249	174.81394	2685.22799	2860.86007	1304.54358	7025.44558	26.3876309	415.728546	440.063063	202.87529	1085.05453	0.76364588	11.7578019	12.3180119	5.62548925	30.4649489
13383	VENA	NonEnzymeRegulator	1.70149515	15.8375904	25.3850144	4.55564369	47.4797437	254.184517	2462.80139	3899.99708	710.979701	7327.9627	39.0373656	366.222212	584.726878	105.098183	1095.08464	1.09842045	10.3312923	16.3873834	2.91935939	30.7364556
13393	QR7A	NonEnzymeRegulator	7.8649854	17.7003022	15.3759345	3.80818497	45.0628868	1109.97508	2489.61716	2318.1055	569.543842	6531.10641	178.10033	400.189994	352.343423	86.7477935	1024.42595	4.92628919	10.9606945	9.8593133	2.33575529	28.2664106
13402	V4XA	NonEnzymeRegulator	2.98541277	15.2804644	25.693383	4.3981815	48.7317764	475.369473	2402.83169	3954.6541	670.052176	7561.60224	69.4175318	354.561489	593.594912	101.038249	1127.26205	1.97744649	10.0846045	16.8362108	2.77418735	31.9063237
13412	X49A	NonEnzymeRegulator	2.08793035	13.7400015	22.051552	11.7448636	49.6243475	311.388134	2111.73437	3283.72819	1753.3898	7460.24049	47.7261126	316.868468	505.464574	268.814449	1138.8736	1.33016799	8.94932976	14.260142	7.50609632	32.0457361
13422	R16A	NonEnzymeRegulator	1.41917442	10.7457711	26.691088	9.77539036	48.6314239	206.751875	1615.34092	4082.0064	1486.03264	7390.13184	32.4236178	246.665447	614.70945	224.627379	1118.42589	0.91571832	6.95865291	17.2061618	6.22463783	31.3051708
13433	DSBA	NonEnzymeRegulator	2.42194405	16.0455314	26.2200944	6.055557	50.7431268	389.815731	2539.13212	3958.54395	961.922849	7849.41465	56.6032047	373.421248	602.888975	141.191871	1174.1053	1.63800918	10.7670071	16.9818317	4.00568232	33.3925303
13443	KPEB	NonEnzymeRegulator	11.2145437	14.0133254	16.1218435	6.6251541	47.9748667	1648.64195	2085.41461	2417.34554	986.530375	7137.93247	255.640152	320.314884	369.943579	151.543283	1097.4419	7.1159059	8.9362976	10.3443851	4.1854445	30.5820331
13452	YKZA	NonEnzymeRegulator	0.75136925	16.4885754	18.1408487	11.7652276	47.1460209	110.793019	2514.49964	2781.05988	1789.78929	7196.14182	17.2485513	379.679326	417.577008	270.883516	1085.3884	0.48812787	10.6888699	11.7051362	7.63209933	30.5142333
13463	RNQA	NonEnzymeRegulator	1.75503837	20.7191124	20.1191572	5.5473238	48.1406318	278.882085	3238.44817	3087.06722	834.230417	7438.62789	41.0272982	480.571181	463.030695	126.700147	1111.32932	1.18076257	13.6909887	12.9276071	3.47180186	31.2711602
13471	R5LA	NonEnzymeRegulator	0.96808348	14.4941271	26.6479751	7.8823866	49.9925723	141.732893	2233.34874	4180.29546	1230.35852	7785.73561	22.065294	334.104966	617.434214	181.917904	1155.52238	0.62348408	9.49462103	17.5864339	5.10721053	32.8117495
13481	ELKA	NonEnzymeRegulator	0.63617951	13.101394	22.5803261	12.0456767	48.3635763	89.6687757	1960.52346	3409.40711	1813.28773	7272.88708	14.4551024	300.188514	518.705161	276.644093	1109.99287	0.41064134	8.46397899	14.5446024	7.78161893	31.2008417
13492	HIYA	NonEnzymeRegulator	2.87059544	13.4424098	23.4879072	10.1844781	50.2578892	453.918752	2113.98106	3611.86885	1547.78028	7768.92229	66.790719	312.273228	542.304619	234.164013	1161.80596	1.9463236	9.02247376	15.4954682	6.59653472	33.2364935
13502	TPSA	NonEnzymeRegulator	0.88428977	9.84292267	22.963614	13.3667812	47.0576077	137.092178	1466.15409	3353.30085	1965.7065	6922.25361	20.5405191	226.202226	523.535141	304.714282	1074.99217	0.59536235	6.46460548	14.5551676	8.39259648	30.0077319
13511	HZ4A	NonEnzymeRegulator	4.90818463	29.3954044	13.3587752	1.63476687	49.4406399	777.868726	4506.00414	2069.16238	248.448669	7621.77263	113.882113	676.985382	308.055834	37.6286221	1139.80342	3.22252642	18.993695	8.60430267	1.04975826	31.9612971
13522	XZ2A	NonEnzymeRegulator	4.02657661	15.0657624	25.9530162	4.25906451	49.3044197	608.739177	2235.75228	3785.08171	598.833522	7228.40669	92.8246833	345.772199	594.554909	96.9262907	1130.07808	2.63436866	9.67436037	16.674459	2.70823018	31.6914182
13531	ZL0A	NonEnzymeRegulator	1.94525774	12.2133716	25.4430404	7.97107965	47.5727494	303.222167	1871.50915	3920.43571	1232.50586	7327.67289	45.0132431	281.233331	585.969249	183.529522	1095.74535	1.28751482	7.92726915	16.4111325	5.08873728	30.7146537
13542	B82A	NonEnzymeRegulator	5.30961779	27.8956034	11.6535891	3.15752918	48.0163395	817.458421	4336.66173	1812.84872	460.277234	7427.2461	122.581819	644.706888	269.434288	71.7631035	1108.4861	3.49524059	18.1940772	7.57382783	1.96681753	31.2299632
13553	O8MA	NonEnzymeRegulator	2.68226978	16.124521	21.485532	7.83144301	48.1237658	403.528949	2428.27854	3211.49372	1156.77375	7200.07496	61.6961949	370.675199	492.942637	179.413139	1104.72717	1.75221356	10.4788299	13.9402993	5.07058968	31.2419325
13561	MC2A	NonEnzymeRegulator	1.17945059	11.8168823	21.6109622	14.0459984	48.6532934	188.693201	1821.52196	3335.33873	2150.83899	7496.39288	27.6360372	274.112728	500.26552	324.552219	1126.5665	0.78374953	7.76152252	14.0831647	9.115189	31.7436257
13572	VOKA	NonEnzymeRegulator	1.34446549	10.9575842	27.0831103	9.30990861	48.6950686	223.235917	1755.73694	4283.81723	1486.94924	7749.73933	31.6842721	255.650972	629.133637	216.416201	1132.88508	0.92814301	7.37120065	17.8032637	6.03984808	32.1424554
13582	W91A	NonEnzymeRegulator	3.34432578	18.7364814	21.7074965	4.59292378	48.3812275	531.32975	2944.8746	3367.13859	694.569238	7537.91218	77.6977266	434.609013	502.042912	105.54492	1119.89457	2.20382202	12.386069	14.2336905	2.94296977	31.7665513
13594	G6CA	NonEnzymeRegulator	1.24453306	9.75098221	22.2729252	14.2675163	47.5359568	190.179557	1471.33565	3396.11207	2142.25818	7199.88546	28.7133127	224.277007	511.958691	326.602576	1091.55159	0.80833826	6.31953585	14.3242304	9.09326217	30.5453667
13601	G3PA	NonEnzymeRegulator	3.58517719	18.2080012	20.4817209	4.93060626	47.2055055	548.596639	2858.93579	3185.31932	712.926848	7305.77859	82.6645102	423.49556	474.686653	112.414435	1093.26116	2.31400444	12.0672809	13.4322724	3.13521317	30.9487709

1361	2X02A	NonEnzymeRegulator	2.60399685	12.8447032	24.4587	8.93687404	48.8442741	432.102433	2010.82708	3689.75964	1375.65375	7508.34291	61.2035284	297.785257	562.21782	206.223216	1127.42982	1.78441869	8.55290585	15.900971	5.78720973	32.0255053
1362	1BGFA	NonEnzymeRegulator	4.56536326	27.0855609	16.7446476	1.4910203	49.8865921	719.561785	4156.30558	2507.19905	211.617145	7594.68356	106.087271	624.299154	383.447074	34.1834882	1148.01699	3.01592982	17.5455542	10.6953056	0.96394831	32.220738
1363	1L9LA	NonEnzymeRegulator	1.3745643	11.6517977	26.8409649	10.0823988	49.9497256	197.770732	1781.07468	4100.36718	1578.34109	7657.55369	31.2822152	268.240023	616.454126	232.341944	1148.31831	0.88480271	7.46800036	16.9180409	6.34837347	31.6192174
1364	2DSXA	NonEnzymeRegulator	0	2.78673376	17.4131527	26.105495	46.3053815	0	439.632463	2691.10245	3893.20897	7023.94388	0	65.213911	404.27057	600.807925	1070.29241	0	1.88992686	11.6004453	16.9916812	30.4820533
1365	3DNZA	NonEnzymeRegulator	2.80691845	17.2344908	21.5499619	5.20479133	46.7961625	433.874337	2678.61062	3300.99817	798.82768	7212.31081	64.8884671	399.088303	496.48449	120.215584	1080.67684	1.84961438	11.3253913	13.9452765	3.40355717	30.5238393
1366	3CT5A	NonEnzymeRegulator	0.90372729	8.84334166	24.4604196	14.9420891	49.1495777	134.493511	1349.95697	3853.21784	2333.88811	7671.55643	20.8186746	204.286443	568.544205	346.314245	1139.96357	0.59330486	5.79236791	16.2139939	9.79395635	32.393623
1367	3L46A	NonEnzymeRegulator	2.25415449	16.1993319	25.821534	4.80455931	49.0795797	346.54252	2513.4996	3912.9824	714.650974	7487.67549	52.1219451	376.103941	595.924345	110.3243	1134.47453	1.50534349	10.8268436	16.8784803	3.12247856	32.333146
1368	2D5MA	NonEnzymeRegulator	5.09254288	28.7396797	11.1140546	2.55732417	47.5036014	764.623841	4367.54538	1675.82166	371.281364	7179.27224	117.326661	662.605273	255.07265	58.3188958	1093.32348	3.38980756	18.8148717	7.11013091	1.63981432	30.9546245
1369	2P02A	NonEnzymeRegulator	1.74516251	12.1471204	20.3409583	13.8289382	48.0621794	273.275393	1860.43066	3062.54888	2077.60507	7273.86	40.3784647	279.969262	466.762182	317.092344	1104.20225	1.14044267	7.89105167	13.1375139	8.85499474	31.0240029
1370	3NI0A	NonEnzymeRegulator	11.4380475	12.9163257	13.839822	10.4622145	48.6564096	1591.24216	1856.82067	2056.72827	1540.57708	7045.36817	258.130225	292.645484	315.302974	237.765985	1103.84467	7.10211481	7.96070089	8.57167079	6.39090199	30.0253885
1371	3JU4A	NonEnzymeRegulator	9.44635279	26.7030125	8.85443487	2.73529395	47.7390942	1518.35094	4195.12027	1317.77036	414.945155	7446.18672	220.649623	619.129065	202.386432	62.823894	1104.98901	6.30845436	17.4758518	5.59845507	1.74938952	31.1321507
1372	3GOEA	NonEnzymeRegulator	1.91772135	33.2040843	11.9864755	2.50720338	50.2395031	285.317691	4918.32347	1851.1025	471.802183	7646.28458	43.9335529	759.082761	276.121721	60.2831451	1154.509	1.25066193	21.3399601	7.72355728	1.62297102	32.3408715
1373	1ZR6A	NonEnzymeRegulator	1.80796432	14.7623564	23.4662897	7.67316531	47.7097757	292.895697	2362.22287	3611.70828	1153.5308	7420.35765	42.241341	343.915607	541.963725	176.183634	1104.30431	1.20940944	9.83097675	15.3448907	4.94100625	31.3262831
1374	2FXUA	NonEnzymeRegulator	2.81682726	14.5946626	22.6914442	8.01510352	48.1180375	415.113033	2200.5267	3454.98906	1187.65955	7258.28835	64.3337601	335.673506	523.182546	183.646576	1106.83639	1.79365703	9.51297349	14.7904438	5.12411491	31.2211892
1375	2QNGA	NonEnzymeRegulator	2.11505417	19.721513	21.6672499	3.93017085	47.433988	313.432768	3072.22202	3399.62767	602.45236	7387.73482	48.3275891	455.671778	501.241465	90.3393908	1095.58022	1.36576512	12.8596958	14.1163936	2.48586744	30.8277219
1376	3SK2A	NonEnzymeRegulator	12.4620545	33.098935	0.93612706	2.27959482	48.7767114	1932.0614	5117.4169	128.747948	332.166006	7510.39225	288.451198	764.937358	21.1265607	52.2538302	1126.76895	8.29632605	21.7519631	0.5867387	1.42198156	32.0570094
1377	3P4HA	NonEnzymeRegulator	2.62308467	19.1000415	24.4662073	4.08992172	50.6303777	424.328982	3013.80796	3755.87424	627.934155	7873.39072	61.1318376	443.227593	564.182076	94.5577448	1171.17745	1.74148514	12.6306601	15.9183852	2.66233428	33.1789107
1378	3MMHA	NonEnzymeRegulator	2.54697226	17.2496574	22.8583318	4.73406699	47.3890284	397.149276	2680.83077	3524.35504	738.166434	7340.50152	59.0776992	399.379982	526.873294	109.284438	1094.61541	1.71817692	11.4873504	14.7611926	3.02044204	30.987162
1379	2X4KA	NonEnzymeRegulator	3.23456554	18.8724368	16.1249173	9.02694613	48.0388343	459.679	2684.43593	2365.75399	1362.3705	6991.95387	73.4754199	428.163139	367.706872	206.92281	1094.15367	2.06843524	11.8999352	10.0997123	5.67703031	30.2306004
1380	1R7JA	NonEnzymeRegulator	8.9490787	31.6142297	6.16002817	3.81170955	50.5350461	1279.22676	4669.67303	903.082138	534.921333	7386.90326	203.419551	725.249167	140.870046	86.1654463	1155.70421	5.74990618	20.4331346	3.90586692	2.40549188	32.4943995
1381	3D3BJ	NonEnzymeRegulator	1.74433488	22.7998755	16.0359794	8.21429916	48.7944889	255.650695	3347.81175	2369.35257	1252.69832	7225.51333	39.6715197	518.769448	365.430253	188.598547	1112.46977	1.10732738	14.3528634	10.0588298	5.1804927	30.6995133
1382	3GWIA	NonEnzymeRegulator	2.31100143	12.1783638	24.5895502	9.91534768	48.9942631	347.662746	1846.39753	3721.71451	1505.43025	7421.20504	53.0317262	279.800387	564.261633	227.305515	1124.39926	1.49101617	7.874387	15.7566318	6.24802247	31.3700575
1383	4UBPA	NonEnzymeRegulator	3.80710783	18.7980887	20.4854328	5.33094556	48.4215749	553.930783	2743.28844	2988.31806	802.358142	7087.89542	87.0691962	429.315802	467.536581	122.419139	1106.34072	2.49501856	12.0786695	13.0397338	3.4131163	31.0265382
1384	1J77A	NonEnzymeRegulator	0.67151203	11.3699264	23.7787952	12.4026381	48.4504017	105.655489	1800.3471	3704.74049	1850.04408	7492.52768	15.6350091	264.296102	549.949033	284.328876	1119.34901	0.4478849	7.55763903	15.5207194	7.94136265	31.6089062
1385	3B64A	NonEnzymeRegulator	2.67999398	17.7537475	20.6092686	6.49099811	47.5340082	410.290744	2665.77556	3080.09914	1071.28915	7227.45459	61.8474744	407.710439	472.234246	152.766498	1094.55866	1.75816702	11.4885045	13.1692419	4.36323299	30.7791465
1386	3KM5A	NonEnzymeRegulator	1.93855723	15.4079552	21.6183537	7.81583087	46.7806971	306.900751	2469.57769	3338.91287	1168.96818	7284.35948	45.1442296	359.648968	499.754437	179.401499	1083.94913	1.31315561	10.3241861	14.1361037	5.0336198	30.8070653
1387	2FI1A	NonEnzymeRegulator	2.76745841	19.1186952	20.8241774	6.0173541	48.7276852	415.969054	2900.84958	3156.28557	910.625655	7383.72986	63.5663532	439.640574	478.869489	138.714128	1120.79054	1.81833342	12.4661727	13.4632594	3.96613885	31.7139044
1388	1E7LA	NonEnzymeRegulator	0.59094687	17.96585	21.2474293	9.64465031	49.4488765	88.5362509	2752.84923	3229.78629	1425.80187	7496.97365	13.6245926	414.593051	488.52264	221.236079	1137.97636	0.37882013	11.6771312	13.6378962	6.26121504	31.9550626
1389	2BBRA	NonEnzymeRegulator	2.18846413	12.3517038	22.5743061	11.7480095	48.8624835	333.68481	1839.74817	3298.6032	1770.69953	7242.7357	50.4327007	283.271899	514.856065	269.6092	1118.16986	1.43402502	7.99012304	14.3570705	7.54458098	31.3257995
1390	3NBMA	NonEnzymeRegulator	1.89931264	7.74105602	23.9801671	14.2805344	47.9010702	272.2777	1118.43539	3627.1558	2143.15666	7161.02555	43.2333701	176.209715	551.333831	327.330406	1098.10732	1.24751496	4.99779653	15.5420576	9.10386926	30.8912384
1391	1Y43A	NonEnzymeRegulator	1.31414211	7.01019931	23.6187032	13.0740765	45.0171211	212.718162	1098.3939	3602.81178	1872.50031	6786.42414	30.6477029	162.808759	545.757822	297.386822	1036.60111	0.87490262	4.67851775	15.5761028	8.30773036	29.4372535

13923	Q4OA	NonEnzymeRegulator	2.02389702	16.3853381	25.3448184	6.41789585	50.1719494	296.499301	2478.85172	3819.08056	943.823696	7538.25528	46.2405052	377.22095	582.937764	146.871574	1153.27079	1.28744452	10.6382468	16.5382649	4.12291309	32.5868693
13933	PODA	NonEnzymeRegulator	10.7016672	10.1251927	9.86258984	9.78915987	40.4786096	1558.22112	1500.88521	1470.9171	1460.78528	5990.80871	244.170686	232.233656	226.666293	225.021801	928.092435	6.89534333	6.49910904	6.32285284	6.27243359	25.9897388
13942	IC6A	NonEnzymeRegulator	7.65266442	16.3582034	15.180868	9.99000629	49.1817422	1131.15866	2409.1002	2185.99587	1407.81757	7134.07231	174.10316	371.901202	344.020017	225.825794	1115.85017	4.78363031	10.2263437	9.44545793	6.23224955	30.6876815
13952	VLAA	NonEnzymeRegulator	2.04551296	17.1843468	22.4189634	8.35857378	50.007397	322.870953	2675.696	3392.12594	1231.58114	7622.27404	47.5640709	398.108589	515.834101	191.074664	1152.58143	1.36240676	11.3411901	14.6039097	5.34112363	32.6486302
13962	G3RA	NonEnzymeRegulator	2.10912729	14.5203466	24.4635299	8.36267392	49.8312687	337.71987	2225.49805	3796.83603	1278.57223	7694.074	49.2974076	335.320452	565.908441	192.489911	1151.59885	1.44850005	9.60883664	16.154575	5.42072378	32.8755222
13972	J43A	NonEnzymeRegulator	3.072516	17.5706657	21.5933143	7.03779408	49.2742901	511.359418	2803.27491	3333.76535	1063.79644	7712.19612	72.2155317	409.027984	498.591227	161.629568	1141.46431	2.06145726	11.6422001	14.2010818	4.55399585	32.458735
13982	EIYA	NonEnzymeRegulator	1.20762965	11.1356778	24.5733427	11.417206	48.3338563	179.055675	1720.39234	3782.87826	1738.40031	7420.72658	27.6102152	257.173253	567.429713	263.009178	1115.22236	0.76529268	7.26943752	16.0616304	7.40363847	31.4999991
13993	Q7RA	NonEnzymeRegulator	2.71883581	11.4818387	26.6513451	9.29146759	50.1434872	411.775398	1754.20459	4123.85882	1405.56055	7695.39936	62.7557113	264.965766	615.447943	213.543391	1156.71281	1.82553716	7.65180732	17.501041	6.00612807	32.9845135
14003	G48A	NonEnzymeRegulator	3.50213333	20.0963173	20.9305884	3.44895812	47.9779971	498.551794	2943.57555	3107.77203	533.826758	7083.72613	79.4602121	458.607877	479.254019	80.1021848	1097.42429	2.25936828	12.897691	13.4615217	2.28069086	30.8992719
14012	JLIA	NonEnzymeRegulator	4.85536531	23.817965	17.6671937	3.02966107	49.3701851	725.836975	3608.16277	2645.10285	482.204861	7461.30745	111.376772	546.765664	404.340943	70.2602946	1132.74367	3.19443999	15.3616547	11.2211126	1.93833485	31.7155421
14021	PP0A	NonEnzymeRegulator	2.13763474	14.5590154	21.4615043	10.8689731	49.0271275	330.799679	2251.46699	3287.33958	1637.86094	7507.46719	49.4180425	337.001108	495.38201	249.703383	1131.50454	1.42113573	9.72319228	14.1982253	7.05257525	32.3951285
14033	D32A	NonEnzymeRegulator	2.2150853	11.2425389	24.327072	12.8225122	50.6072083	343.625082	1778.60022	3770.36385	2019.43972	7912.02887	51.3973995	261.95102	562.593304	296.388915	1172.33064	1.50469847	7.60162283	15.9691666	8.26891779	33.3444057
14043	OD9A	NonEnzymeRegulator	1.22213568	17.9218204	18.5905013	9.07274912	46.8072065	175.060047	2665.13831	2719.61954	1347.04283	6906.86073	27.8093284	410.526536	424.240194	207.844961	1070.42102	0.80026939	11.6512925	11.8947659	5.79854197	30.1448698
14052	ZZVA	NonEnzymeRegulator	2.76230886	17.4468883	25.0941436	4.05459963	49.3579404	430.234272	2781.39703	3936.1539	627.814371	7775.59957	64.0831971	406.734766	581.592066	93.4190173	1145.82905	1.83348363	11.6879524	16.5508547	2.61106743	32.6833582
14066	RLXB	NonEnzymeRegulator	5.25877635	10.7075443	27.5150138	5.32547719	48.8068117	768.02182	1578.76252	4102.64523	844.581427	7294.011	119.853119	244.507601	632.84205	124.562477	1121.76525	3.31971105	6.76440378	17.8022489	3.56452156	31.4508853
14073	ROBA	NonEnzymeRegulator	0.83110792	23.0389316	19.1771033	6.03250004	49.0796429	138.918435	3611.78457	2938.32026	937.947746	7626.97102	19.5210196	532.526776	440.923867	138.750683	1131.72235	0.55526355	14.9883004	12.3223792	3.80886913	31.6748123
14081	N57A	NonEnzymeRegulator	2.56153623	11.979463	24.2736651	8.53689814	47.3515625	393.128012	1827.27517	3734.85946	1300.92236	7256.18501	59.0658146	275.952132	560.195939	196.712066	1091.92595	1.67168413	7.86377352	15.8621813	5.54621617	30.9438551
14093	LM3A	NonEnzymeRegulator	1.84675464	14.8659121	27.0871242	5.41083815	49.2106291	299.370334	2408.03776	4262.54686	831.347987	7801.30294	43.1495761	347.077872	627.404291	124.578564	1142.2103	1.23569875	9.88376466	17.6632805	3.48777185	32.2705157
14102	IMQX	NonEnzymeRegulator	2.24029434	11.7217354	22.3233683	12.2613976	48.5467956	353.45646	1821.82813	3373.10509	1816.77392	7365.1636	51.9560191	271.281286	513.020057	280.390372	1116.64773	1.48486895	7.73894407	14.4579146	7.81942339	31.501151
14112	JEKA	NonEnzymeRegulator	1.07116796	10.1358482	26.8442276	10.7013378	48.7525815	178.330194	1592.41463	4143.70651	1629.24464	7543.69598	25.2871563	235.631119	619.276313	245.970192	1126.16478	0.74234786	6.7370586	17.4740296	6.89693929	31.8503753
14121	HXIA	NonEnzymeRegulator	7.61318833	27.6176101	8.7760741	3.21633646	47.223209	1147.36181	4185.06154	1361.22297	526.107894	7219.7542	174.478838	634.415342	202.557283	75.0431541	1086.49462	4.87898401	17.663168	5.62947635	2.15548978	30.3271181
14133	SNOA	NonEnzymeRegulator	2.47471377	13.1072104	24.1960261	8.19244736	47.9703977	371.19515	2009.56928	3711.15912	1267.58738	7359.51092	56.5954813	301.36402	556.846518	188.764069	1103.57009	1.58023426	8.45078915	15.6760379	5.27087197	30.9779332
14142	V9VA	NonEnzymeRegulator	5.03441468	22.8240486	16.3825721	5.38517114	49.6262065	825.077803	3601.6212	2443.45348	838.077799	7708.23029	117.816162	528.398328	374.654388	124.481407	1145.35028	3.37769638	14.8604844	10.4352369	3.51724333	32.190661
14151	WC2A	NonEnzymeRegulator	2.05114153	13.0602935	25.1705112	5.3601915	45.6421377	311.563281	2027.50313	3975.79566	837.53532	7152.39739	47.3035498	302.705977	584.791392	123.992332	1058.79325	1.34012171	8.52911964	16.2194934	3.40289592	29.4916307
14163	ZY2A	NonEnzymeRegulator	1.97109726	17.0769558	21.0746902	8.42415607	48.5468993	311.542043	2683.69168	3284.73024	1280.21981	7560.18377	45.7497616	396.598103	487.856118	194.087601	1124.29158	1.29220283	11.3130652	13.8158834	5.50736309	31.9285145
14172	VHKA	NonEnzymeRegulator	2.33185578	12.1884962	23.9958709	7.84945793	46.3656807	361.552164	1894.70464	3671.02765	1176.00526	7103.28972	53.9059611	282.055453	553.609883	180.631025	1070.20232	1.54374438	7.93567793	15.558523	5.05255887	30.0905042
14184	A56A	NonEnzymeRegulator	2.91228326	10.3160518	22.4108235	12.1937706	47.8329292	433.162942	1544.71495	3382.71133	1838.5923	7199.18153	66.542312	236.148062	513.524437	279.210982	1095.42579	1.84782957	6.5760127	14.2222397	7.68836355	30.3344455
14191	W6SB	NonEnzymeRegulator	2.69576866	8.99752721	18.2114281	19.192095	49.096819	387.132108	1309.7102	2778.08807	2952.83943	7427.7698	61.1537693	204.880378	419.527828	443.478123	1129.0401	1.67537979	5.61711874	11.7275063	12.5760908	31.5960956
14202	F62A	NonEnzymeRegulator	5.55499964	29.1283032	11.4561969	2.19059304	48.3300928	830.498309	4473.46942	1752.5883	377.83407	7434.3901	127.772384	672.764413	263.331459	51.6075565	1115.47581	3.6714408	19.0982469	7.27795309	1.38667618	31.434317
14212	ERFA	NonEnzymeRegulator	0.69488217	8.02038223	21.2837624	18.0788246	48.0778514	100.967243	1213.79417	3204.05078	2696.42333	7215.23552	15.810823	184.242656	488.040881	413.11441	1101.20877	0.44895942	5.24333801	13.6945709	11.4179209	30.8047892
14222	GS8A	NonEnzymeRegulator	2.68405232	18.8846871	22.6962375	3.35778046	47.6227574	394.836507	2833.18362	3419.57063	512.100747	7159.69151	61.2180282	433.293665	521.210572	77.3363773	1093.05864	1.71387658	12.2484184	14.6483889	2.17510202	30.7857859

1423	2BCMA	NonEnzymeRegulator	1.04677771	17.575309	19.9230715	7.94980966	46.4949679	148.488914	2622.57072	3052.66145	1208.43175	7032.15283	23.7563678	403.382235	458.802549	182.685463	1068.62661	0.67798999	11.4452183	12.8636746	5.0483532	30.0352361
1424	1LMIA	NonEnzymeRegulator	0.38510521	13.672464	19.9973719	12.6497984	46.7047395	62.9833058	2114.06255	3018.94658	1862.88568	7058.87811	9.0525885	316.147408	459.739336	289.119741	1074.05907	0.26184582	9.0414252	13.0090537	8.10688423	30.4192089
1425	2QSBA	NonEnzymeRegulator	0.59918488	20.1242181	20.4487786	7.29026146	48.462443	86.9661817	2917.25455	3004.21726	1072.56074	7080.99873	13.6685054	458.203041	465.966036	166.006631	1103.84421	0.39261649	12.8237387	12.8637986	4.53302166	30.6131755
1426	1NXMA	NonEnzymeRegulator	2.03268414	14.0950281	25.2038398	7.59029597	48.9218481	322.061055	2183.65382	3884.11763	1201.70144	7591.53394	47.2717096	326.11024	582.144244	176.302923	1131.82912	1.36162946	9.32678537	16.5395538	5.00770679	32.2356754
1427	1ARBA	NonEnzymeRegulator	1.90643623	10.2183979	23.0574292	10.3850661	45.5673295	293.581272	1611.03664	3606.3938	1561.90199	7072.91371	43.9200042	236.814083	533.395937	237.820632	1051.95066	1.23648323	6.68689593	14.9482335	6.52019974	29.3918124
1428	3UXJA	NonEnzymeRegulator	3.77696763	21.9351348	17.9175824	4.8162639	48.4459488	599.245974	3356.89683	2738.47842	745.650997	7440.27221	87.8241174	504.76198	412.717719	111.194007	1116.49782	2.4855477	14.1079108	11.586813	3.10852482	31.2887963
1429	2WH7A	NonEnzymeRegulator	5.90982773	24.6990247	13.4858493	2.92965957	47.0243613	902.745819	3607.86412	1978.60835	414.235704	6903.45399	136.168852	562.864547	307.592741	66.3957652	1073.0219	3.888893	15.6545029	8.47000004	1.87182485	29.8852208
1430	1N8VA	NonEnzymeRegulator	0	5.94685328	23.8505755	20.2789884	50.0764172	0	896.000143	3603.99414	3061.53887	7561.53315	0	136.615512	548.248788	465.870552	1150.73485	0	3.85385809	15.3709863	12.9845273	32.2093717
1431	3Q8JA	NonEnzymeRegulator	1.16147801	9.35242253	20.2454996	13.4076349	44.167035	173.79987	1394.46314	3062.09356	2070.53198	6700.88854	27.1076699	216.747503	469.783175	312.000669	1025.63902	0.77395174	6.15160891	13.3928312	8.9699286	29.2883205
1432	3PMCA	NonEnzymeRegulator	2.23699983	17.4911784	22.9457538	8.91851397	51.592446	341.560852	2683.59323	3480.68965	1353.8969	7859.74063	51.589309	403.891091	527.832564	205.147823	1188.46079	1.47669915	11.5343534	14.915832	5.7544838	33.6813684
1433	3EPWA	NonEnzymeRegulator	2.3717374	12.4455301	25.8739293	6.68621509	47.5223882	350.594325	1899.31786	3913.36166	1011.40059	7196.39887	54.4701736	287.465599	595.949676	153.84179	1095.06068	1.53795373	8.18680794	16.8301565	4.32469014	30.972514
1434	2CIUA	NonEnzymeRegulator	4.60711682	18.8980281	17.9555142	8.51953985	49.980199	728.433311	2904.82276	2731.91383	1299.64702	7664.81692	107.179408	435.992733	412.195262	195.487358	1150.85476	3.05602812	12.2727401	11.46255	5.36751886	32.1588371
1435	2BRJA	NonEnzymeRegulator	2.66357424	19.4525005	20.2709056	5.99793412	48.3849144	417.426983	2990.69291	3036.81876	900.821696	7345.76034	61.9545082	449.719154	465.421923	137.659234	1114.75482	1.80495275	12.922562	13.2457109	3.89653286	31.8697584
1436	4EMTA	NonEnzymeRegulator	3.28035367	18.6630908	20.1464401	7.38904691	49.4789314	495.415396	2834.04533	3105.16216	1146.26264	7580.88552	75.5922987	429.461148	464.268362	170.590231	1139.91204	2.1860718	12.1062105	12.9993399	4.73815246	32.0297747
1437	3MABA	NonEnzymeRegulator	1.71186412	12.0318682	27.3272541	8.06580288	49.1367892	257.636723	1826.47343	4100.02738	1203.25735	7387.39488	39.3742911	276.983692	626.742174	184.604827	1127.70498	1.12991813	7.90356538	17.7353348	5.18259434	31.9514126
1438	1WB4A	NonEnzymeRegulator	1.55689374	8.45055708	22.2838349	15.9714796	48.2627654	255.916021	1374.79282	3521.2767	2462.35113	7614.33667	36.7674292	198.47896	518.497062	368.970321	1122.71377	1.08666469	5.77584716	14.808132	10.3421612	32.012805
1439	4DPZX	NonEnzymeRegulator	3.20634401	19.3783595	20.7869198	5.70638682	49.0780102	509.463042	3020.69397	3163.55212	885.224811	7578.93395	74.5064969	448.020394	477.486863	131.257079	1131.27083	2.12880417	12.6406992	13.3563956	3.61144385	31.7373428
1440	2H6FB	NonEnzymeRegulator	2.31722702	15.8421195	23.7146513	6.2900676	48.1640654	379.564185	2486.15161	3627.51397	965.075788	7458.30554	54.462908	367.618142	546.942368	144.938121	1113.96154	1.57675461	10.4578568	15.4279522	4.07066838	31.533232
1441	2XOLA	NonEnzymeRegulator	1.77901898	15.9391393	21.9144926	10.5363997	50.1690506	270.426591	2482.24446	3356.72468	1552.7498	7662.14553	41.0655387	368.559373	505.517808	241.297585	1156.44031	1.17562596	10.4600273	14.3308165	6.78527964	32.7517493
1442	1W0NA	NonEnzymeRegulator	0.41185589	14.5755797	21.1305128	10.0327297	46.150678	59.7430868	2175.41917	3158.91119	1530.56309	6924.63653	9.40463049	334.355547	484.962287	230.864913	1059.58738	0.27137776	9.50528138	13.6956518	6.44460229	29.9169132
1443	2VQ2A	NonEnzymeRegulator	0.90772488	15.4821458	20.9998191	11.4288127	48.8185025	146.143076	2419.08847	3223.20699	1698.31526	7486.75379	21.2104559	359.080813	484.97938	261.779299	1127.04995	0.61257526	10.2430521	13.7476839	7.35216182	31.9554731
1445	3C9QA	NonEnzymeRegulator	3.08795634	17.1965482	24.6262655	4.08223293	48.993003	489.944239	2729.71557	3858.1613	651.82065	7729.64176	71.9646719	400.803448	570.485577	94.7365951	1137.99029	2.08026479	11.5369412	16.0788372	2.62316825	32.3192115
1446	3PLWA	NonEnzymeRegulator	1.78080959	17.1670885	19.4533359	9.14732305	48.010022	279.25128	2665.3066	3023.22741	1421.58078	7460.30674	41.1708755	397.188057	449.851308	210.618101	1109.45055	1.16257914	11.212658	12.5963845	5.76455586	31.0305155
1447	3BO6A	NonEnzymeRegulator	2.13780094	14.2833408	25.6630712	5.96496263	48.0491756	348.870398	2244.5513	3931.15991	925.194497	7449.77611	50.0564197	331.16642	591.41083	137.84323	1110.4769	1.44714871	9.34680201	16.3581809	3.80482144	30.9569531
1448	2ZQ0A	NonEnzymeRegulator	2.46094253	16.6414712	22.1059203	7.44573526	48.6540693	374.342649	2597.92672	3451.91239	1108.67567	7532.85743	56.7264632	385.782451	512.597419	170.514459	1125.62079	1.59059349	10.9409702	14.540886	4.78249318	31.8549429
1449	4F06A	NonEnzymeRegulator	1.48977615	15.1661479	21.1055018	9.62809945	47.3895254	227.957669	2315.44744	3159.94479	1410.62885	7113.97875	34.3500481	349.330403	483.940822	219.531095	1087.15237	0.96961081	9.87539883	13.695552	6.16224476	30.7028064
1450	4EQ8A	NonEnzymeRegulator	3.8210669	29.3246493	10.967419	2.47216754	46.5853028	589.260987	4526.88809	1692.25585	409.856834	7218.26176	88.5287431	677.512643	252.625393	57.5728194	1076.2396	2.54727696	19.1456553	7.02589761	1.56184309	30.280673
1451	3BHWA	NonEnzymeRegulator	1.82850448	14.7285974	22.3210185	10.9400592	49.8181795	274.490946	2200.99707	3407.81829	1723.75375	7607.06006	41.9551989	337.632993	514.06842	253.22826	1146.88487	1.19428329	9.4841058	14.4035929	7.0260705	32.1080525
1452	3T92A	NonEnzymeRegulator	8.67358166	25.4164368	8.15645484	5.8614502	48.1079235	1325.28733	3803.62597	1198.19957	841.065502	7168.17836	199.854469	581.575532	186.219206	133.528097	1101.1773	5.63915716	15.9707685	5.09035709	3.78235519	30.4826379
1453	3M9QA	NonEnzymeRegulator	2.26778495	21.4281942	19.7040987	8.02632689	51.4264048	338.434882	3357.20693	3097.89687	1245.93137	8039.47005	52.146221	496.37543	455.457089	184.611289	1188.59003	1.49646534	14.1337697	12.6541941	5.0580788	33.342508
1454	2ZBLA	NonEnzymeRegulator	1.33981264	16.0358502	29.8583514	1.85367592	49.0876901	221.603034	2575.73422	4755.73514	310.615237	7863.68764	31.4868496	373.801487	694.585987	43.5741085	1143.44843	0.90359177	10.6960924	19.7122866	1.21105522	32.523026

1455	3EURA	NonEnzymeRegulator	1.82401983	7.59707525	29.0372716	11.2697043	49.728071	277.81587	1160.1352	4402.32938	1698.08424	7538.3647	42.1264343	175.429263	668.506718	258.706032	1144.76845	1.230527	5.0744395	19.005198	7.30199558	32.6121601
1456	2B0AA	NonEnzymeRegulator	8.00106594	34.6295947	5.12223318	1.92703495	49.6799287	1176.86293	5280.27467	753.823805	285.074027	7496.03543	183.113754	798.836241	117.258142	44.1388378	1143.34698	5.18666826	22.8932061	3.34693426	1.27353891	32.7003475
1457	2CIOB	NonEnzymeRegulator	9.25771275	0	16.6923102	16.050868	42.000891	1259.17163	0	2244.30611	2160.99113	5664.46887	208.570951	0	374.670455	360.073584	943.31499	6.04669286	0	10.6582275	10.1609955	26.8659158
1458	2PYXA	NonEnzymeRegulator	2.07107021	17.4747649	22.750923	5.89447227	48.1912303	319.908975	2737.75803	3480.54841	882.067245	7420.28266	47.869194	404.8954	523.68002	134.876961	1111.32158	1.36843058	11.5167611	14.6829091	3.73502528	31.303126
1459	3O79A	NonEnzymeRegulator	1.02378469	14.301943	20.5786019	13.5438148	49.4481444	148.693706	2155.47529	3175.98452	2104.57602	7584.72955	23.4093902	329.484251	476.654878	313.692651	1143.24117	0.6562852	9.23557296	13.3931968	8.75723545	32.0422904
1460	2Q4NA	NonEnzymeRegulator	0	16.6619321	22.0292986	10.1239369	48.8151676	0	2542.68466	3383.21278	1552.69151	7478.58896	0	383.441559	507.697382	233.215638	1124.35458	0	10.8558357	14.3523025	6.57632794	31.7844661
1461	3A16A	NonEnzymeRegulator	1.54299753	13.5303018	23.8018518	9.67604336	48.5511944	246.521462	2141.20322	3751.86379	1494.54816	7634.13662	35.8301206	314.355397	551.959506	223.092117	1125.23714	1.01051871	8.90925156	15.5459388	6.22429429	31.6900033
1462	4FCHA	NonEnzymeRegulator	1.70582989	15.0703211	23.8763817	7.74249989	48.3950326	282.584925	2474.07739	3765.98461	1155.87863	7678.52555	40.4077091	354.644823	555.303912	177.506792	1127.86324	1.19880737	10.3534077	15.9541911	4.94747672	32.4538828
1463	3M3PA	NonEnzymeRegulator	4.80629905	31.7006897	10.2418752	1.17628815	47.9251522	748.886267	5002.45925	1538.0689	224.574308	7513.98872	111.324557	735.042316	234.566879	28.366948	1109.3007	3.15566689	20.7772942	6.49945132	0.75571961	31.188132
1464	4DI9A	NonEnzymeRegulator	1.28242878	9.91637955	26.7637075	10.3010829	48.2635988	207.586811	1586.6945	4137.30151	1578.32154	7509.90436	29.9330666	230.83013	618.244255	237.42622	1116.43367	0.84770629	6.55815952	17.4493076	6.64542041	31.5005938
1465	3LFTA	NonEnzymeRegulator	2.32618445	15.4443635	19.7272425	8.74888095	46.2466715	353.534603	2279.89157	2826.39147	1244.10174	6703.91938	53.5172839	353.149	448.167851	198.314789	1053.14892	1.5141896	9.94811289	12.6078529	5.54012172	29.6102771
1466	3FKEA	NonEnzymeRegulator	2.82244346	15.5046092	24.3360939	5.71432608	48.3774727	428.451207	2387.19401	3669.92197	846.788626	7332.35581	64.8925256	357.906357	558.666495	130.417171	1111.88255	1.84153828	10.1795924	15.7127493	3.61502124	31.3489012
1467	1O97D	NonEnzymeRegulator	2.39003721	16.0811224	23.9981251	3.97048679	46.4397714	359.386957	2384.40589	3492.3729	572.050567	6808.21632	54.792243	367.977312	547.508717	90.3547099	1060.63298	1.52995553	10.3364383	15.4199387	2.51398828	29.8003208
1468	3HPCX	NonEnzymeRegulator	9.22629216	19.8444437	14.662782	5.14442118	48.8779391	1430.45188	3079.01834	2172.19514	735.427779	7417.09314	212.966807	458.391929	335.923862	117.378219	1124.66082	6.03042076	12.9654247	9.4575625	3.28774632	31.7411543
1469	4ECQA	NonEnzymeRegulator	1.79864664	18.5742023	23.6181324	4.29076358	48.2817449	268.08869	2766.8246	3581.76676	655.102244	7271.78229	41.226983	425.630645	542.978896	98.7481703	1108.58469	1.14992065	11.901027	15.2270085	2.75284065	31.0307969
1470	2JE6I	NonEnzymeRegulator	5.25928192	19.1367298	19.3884532	5.6610793	49.4455443	807.873856	2895.30328	2926.38062	837.119606	7466.67736	121.488757	440.226942	445.706227	129.456147	1136.87807	3.47787528	12.5773007	12.64891	3.63861996	32.3427059
1471	2P4FA	NonEnzymeRegulator	1.2935356	16.766774	22.5938808	9.04598143	49.7001718	201.435554	2599.5071	3428.57775	1374.62185	7604.14225	29.9779943	388.450283	519.994505	208.092828	1146.51561	0.85443886	11.0919201	14.6829993	5.89522833	32.5245865
1472	2PYQA	NonEnzymeRegulator	3.14923965	18.023819	24.6651484	2.74446869	48.5826758	494.610766	2684.07267	3654.78219	393.518647	7226.98427	73.1274388	413.149286	563.837264	62.3112255	1112.42521	2.09329201	11.6624838	15.7194862	1.72578871	31.2010507
1473	3LYDA	NonEnzymeRegulator	6.1347712	30.3554693	9.97646106	1.22497294	47.6916744	919.376838	4715.60205	1609.60475	188.250507	7432.83414	140.593245	700.696465	232.267377	28.2525563	1101.80964	3.9670882	19.5825066	6.50948752	0.79761179	30.8566941
1474	2P6WA	NonEnzymeRegulator	1.71338436	8.3870264	22.768779	17.4086298	50.2778196	277.406049	1360.85082	3617.74383	2724.29009	7980.29079	40.0469355	196.157882	530.062333	403.391689	1169.65884	1.16550284	5.63952418	15.1656485	11.3632385	33.333914
1475	2VBKA	NonEnzymeRegulator	12.4793897	20.8125556	8.39053993	5.07824221	46.7607274	1927.58499	3154.36506	1237.17369	736.327365	7055.4511	288.5893	478.35631	191.687519	115.626407	1074.25954	8.18374433	13.4244373	5.36965606	3.21546914	30.1933068
1476	3Q6VA	NonEnzymeRegulator	1.83057266	12.7453537	28.4657664	5.86844668	48.9101395	276.830373	1960.29437	4340.77277	867.063257	7444.96078	42.0778429	294.499857	655.937003	134.111757	1126.62646	1.17810225	8.37338583	18.5959725	3.78002744	31.927488
1477	3PUCA	NonEnzymeRegulator	8.27341372	27.7754933	9.05478813	1.27994612	46.3836412	1263.69992	4079.27422	1272.9754	178.795219	6794.74476	191.139828	634.313606	204.365161	28.9305579	1058.74915	5.49823045	17.8866126	5.60477811	0.81282496	29.8024461
1478	1JY2N	NonEnzymeRegulator	8.95476032	12.1163774	18.4392528	9.43559747	48.945988	1289.78454	1819.67787	2973.63283	1566.36554	7649.46078	204.150016	278.459563	429.950863	221.586773	1134.14722	5.68905545	7.69534174	12.1422859	6.37320888	31.8998919
1479	1EDMB	NonEnzymeRegulator	4.52889962	22.5848975	13.8891204	3.30264153	44.305559	681.871514	3355.95549	2097.20788	482.303103	6617.33799	105.372152	521.26005	321.103686	75.5896885	1023.32558	2.94388304	14.4481537	9.01563644	2.08290679	28.49058
1480	3JTMA	NonEnzymeRegulator	1.91938724	12.2033046	23.5085732	10.5706746	48.2019397	283.779122	1830.40993	3535.84813	1604.46344	7254.50062	43.8137552	280.15505	540.381191	243.09523	1107.44523	1.2100617	7.88286288	15.2773735	6.83633581	31.2066339
1481	2Y5PA	NonEnzymeRegulator	4.34021237	23.3940878	17.5541219	4.0475548	49.3359769	728.608045	3712.21663	2720.83358	622.586469	7784.24473	102.669406	544.953272	406.970451	93.7505866	1148.34372	3.02428079	15.7029893	11.6117308	2.68691887	33.0259198
1482	1J3AA	NonEnzymeRegulator	1.12837938	15.9795553	19.6743175	13.5602279	50.3424801	167.068342	2378.1383	3015.67744	2110.0056	7670.88969	25.7389643	365.020154	452.918678	312.907556	1156.58535	0.72207301	10.2114249	12.7759545	8.77301535	32.4824678
1483	2QLWA	NonEnzymeRegulator	0.42145937	15.8740544	26.3327872	6.23047037	48.8587713	65.1897347	2497.14361	4115.75604	965.868539	7643.95792	9.72786369	367.909896	608.329265	143.86141	1129.82844	0.27672866	10.4491308	16.9856602	4.01030862	31.7218283
1484	3EA6A	NonEnzymeRegulator	2.07649926	13.1612553	21.2959267	12.9088171	49.4424984	309.881984	2029.98144	3271.17036	2000.0058	7611.03958	47.5870329	304.286653	491.378083	298.405795	1141.65756	1.34796482	8.72344321	13.9722968	8.42361108	32.4673159
1485	3S2RA	NonEnzymeRegulator	4.51319027	13.1109514	16.6605368	13.5480281	47.8327065	710.230643	2033.50896	2458.4462	1956.93158	7159.11739	105.316953	303.647903	380.026957	307.45691	1096.44872	3.02258578	8.55258515	10.5246695	8.45954504	30.5593855

1486	2XOMA	NonEnzymeRegulator	0.6946971	13.7950508	22.9930668	11.5911795	49.0739942	111.375107	2214.90781	3638.0283	1803.64492	7767.95613	16.2187244	321.583255	533.830395	267.614436	1139.24681	0.47166491	9.25734115	15.2111062	7.49820727	32.4383195
1487	3AKSA	NonEnzymeRegulator	1.32123128	7.01748346	21.6785064	17.2348264	47.2520475	215.13172	1151.39872	3456.86423	2730.31675	7553.71142	31.0104033	164.828313	504.603987	400.079798	1100.5225	0.90627739	4.77940358	14.3403375	11.272107	31.2981254
1488	3TEUA	NonEnzymeRegulator	3.46575268	22.3586205	14.8447601	4.72057206	45.8859993	516.438359	3293.82627	2165.81891	784.442376	6856.98586	79.5372462	511.238329	338.547032	110.505703	1051.86563	2.27013905	14.4265076	9.43697646	3.0110495	29.4655281
1489	3M7AA	NonEnzymeRegulator	3.13603183	17.8164598	24.6309664	1.43730222	47.0207603	460.440692	2692.79552	3744.68717	195.2616	7093.18499	71.6883722	408.750138	565.479201	32.1845294	1078.10224	2.053766	11.4949957	15.7775969	0.87001663	30.1963753
1490	3MFJA	NonEnzymeRegulator	1.52454496	9.47399689	20.5908709	14.3639439	45.9533566	225.596841	1432.47715	3086.87097	2118.91137	6863.85633	34.92972	218.355448	473.138623	328.338581	1054.76237	0.9888314	6.2156123	13.3553296	9.166773	29.7265463
1491	1MJ4A	NonEnzymeRegulator	1.84795637	17.0249947	26.2135247	2.87596033	47.9624361	289.982677	2639.42478	4122.32637	441.610571	7493.3444	42.9273791	394.097584	607.647419	66.216854	1110.88924	1.25141455	11.3503147	17.2620481	1.84769232	31.7114697
1492	3C8LA	NonEnzymeRegulator	5.65356459	20.5664605	11.6921367	9.29944354	47.2116053	815.751445	2992.58097	1764.98146	1409.67152	6982.98541	128.23506	468.1643	268.14989	213.31631	1077.86556	3.54918923	13.0626031	7.50000461	5.90903409	30.020831
1493	2EB4A	NonEnzymeRegulator	1.41760928	10.7475361	23.1608548	12.9100156	48.2360159	210.545318	1605.59164	3561.56349	1983.95599	7361.65644	32.4490153	246.40603	533.921772	297.685046	1110.46186	0.91862359	6.98348897	15.0058563	8.34733498	31.2553038
1494	1GK9B	NonEnzymeRegulator	2.59892023	19.0812079	19.9240449	6.7176784	48.3218514	417.419263	3017.64888	3102.72218	1032.03197	7569.8223	60.4955824	443.317666	460.756863	154.696011	1119.26612	1.70190782	12.608409	13.0333306	4.32616082	31.6698083
1495	2DE3A	NonEnzymeRegulator	1.05644185	12.9442848	23.211604	9.78244171	46.9947723	162.048081	2011.94113	3519.21762	1461.181	7154.38783	24.3547336	299.032627	532.616086	223.508572	1079.51202	0.69217885	8.4962808	14.9282355	6.19171992	30.3084151
1496	2BRYA	NonEnzymeRegulator	2.47425136	14.1664427	22.7432485	9.1641742	48.5481168	374.457511	2200.99074	3509.90426	1397.93782	7483.29034	56.8486077	327.727585	525.037937	210.784331	1120.39846	1.61234479	9.34699555	14.7844163	5.90749219	31.6512488
1497	3GZRA	NonEnzymeRegulator	2.71374803	28.3492133	14.1823432	3.41161669	48.6569213	425.206334	4547.61649	2179.16426	517.729312	7669.7164	62.6294561	659.532768	326.523585	78.1262703	1126.81208	1.76535352	18.750355	9.11313419	2.14089053	31.7697332
1498	3CHBD	NonEnzymeRegulator	0.49080714	11.5738348	24.9507885	11.9648093	48.9802398	76.6486868	1751.0005	3772.09311	1780.28979	7380.03208	11.3555424	266.224466	573.639498	273.707171	1124.92668	0.32557969	7.52584211	16.110861	7.55890892	31.5211917
1499	2OPCA	NonEnzymeRegulator	1.32618138	22.0386362	20.4018666	5.73766482	49.504349	207.309134	3472.4824	3232.91733	872.397045	7785.10591	30.7218157	511.197068	473.727875	132.03183	1147.67859	0.88317256	14.5448422	13.3612799	3.68154453	32.4708392
1500	2RKLA	NonEnzymeRegulator	10.502019	17.4110012	12.7351712	8.08339788	48.7315893	1503.25894	2464.91145	1816.29546	1128.98959	6913.45544	238.418281	394.583424	289.45267	182.854814	1105.30919	6.71336678	11.0585323	8.12290127	5.06426321	30.9590635
1501	1XODA	NonEnzymeRegulator	1.89368345	25.972948	17.6706151	3.50515661	49.0424031	306.329782	4084.68838	2742.5125	523.992049	7657.52271	44.1881552	600.76734	407.05889	80.0249121	1132.0393	1.26846553	16.8870301	11.349963	2.18272274	31.6881814
1502	2P17A	NonEnzymeRegulator	1.22757145	12.2755442	23.1865089	11.4974625	48.187087	190.187737	1896.67563	3555.4699	1762.78503	7405.11829	28.4391474	283.675054	533.233883	264.063953	1109.41204	0.82640246	8.09663609	14.8813884	7.27624779	31.0806747
1503	2A50B	NonEnzymeRegulator	0.90009514	20.9582574	20.3919602	6.1632289	48.4135417	141.963416	3314.05897	3133.7162	917.84566	7507.58424	20.8718497	486.443656	471.377804	141.341401	1120.03471	0.5896234	13.7600417	13.3439062	3.93304861	31.6266199
1504	1CCWB	NonEnzymeRegulator	2.17805859	14.2176717	26.2032908	5.38520624	47.9842274	337.996405	2133.11552	3909.44355	814.368627	7194.9241	50.3814337	326.574646	601.514788	123.520051	1101.99092	1.42537231	9.2103491	16.9823461	3.41170371	31.0297712
1505	1KQRA	NonEnzymeRegulator	0.29827581	11.6478968	20.4457997	15.9990546	48.391027	44.0613791	1791.02738	3158.16185	2416.19427	7409.44488	6.83167387	269.85651	473.334121	367.489492	1117.5118	0.19542772	7.79528664	13.4720019	10.2262564	31.6889727
1506	1WHZA	NonEnzymeRegulator	0.7319998	22.9137882	22.7860485	4.22722458	50.659061	111.755131	3588.63626	3610.36283	696.889243	8007.64347	16.7767563	528.802075	527.646053	98.9581309	1172.18302	0.46574269	14.8261824	14.756578	2.78539832	32.8339014
1507	1U84A	NonEnzymeRegulator	1.22454006	17.1853167	23.0420757	7.68654067	49.1384732	189.596335	2635.9572	3549.28273	1168.66108	7543.49735	28.3114375	395.984996	531.748346	176.772002	1132.81678	0.81914291	11.2292834	15.0636415	4.97390926	32.085977
1508	1JNIA	NonEnzymeRegulator	0	18.6314035	23.2057708	5.434105	47.2712793	0	2960.30685	3563.91107	825.754821	7349.97274	0	432.476652	535.43496	125.106021	1093.01763	0	11.9337902	14.7969057	3.44381989	30.1745157
1509	3NBCA	NonEnzymeRegulator	0.33644189	17.1774693	24.4391719	5.15529335	47.1083764	50.597674	2623.99947	3642.35459	754.882872	7071.83461	7.71565234	395.622173	559.161796	117.511724	1080.01134	0.22037799	11.2277474	15.594306	3.25130464	30.293736
1510	3H9CA	NonEnzymeRegulator	5.71052303	23.3826146	16.8133969	2.96920964	48.8757441	910.898746	3642.36161	2574.64594	445.402156	7573.30845	133.055214	541.490321	388.237421	68.0944347	1130.87739	3.80626501	15.3479491	11.0015164	1.90316177	32.0588922
1511	1Z2NX	NonEnzymeRegulator	1.84387305	17.5367956	20.8893709	8.91991097	49.1899506	279.799259	2654.73008	3173.85132	1327.70969	7436.09035	42.5631121	403.41414	481.065886	204.366797	1131.40993	1.22211643	11.3618683	13.6452161	5.77256849	32.0017693
1512	1WT6A	NonEnzymeRegulator	10.4103359	13.0174804	13.1762633	13.3452442	49.9493237	1575.4663	1946.54992	1948.026	1924.24002	7394.28224	238.473515	296.970522	300.194773	303.358677	1138.99749	6.46863224	7.96854329	8.16794264	8.34211957	30.9472377
1513	2X1FA	NonEnzymeRegulator	2.68000637	16.9818511	24.8122769	3.49238261	47.966517	417.300402	2562.49771	3817.17038	550.177404	7347.1459	62.3384344	391.126265	571.508416	80.8905598	1105.86367	1.82149765	11.1302084	15.9187993	2.24072641	31.1112318
1514	1I8OA	NonEnzymeRegulator	0	13.0680944	25.9716989	8.16194889	47.2017422	0	2041.16559	3940.05161	1201.19113	7182.40832	0	302.499768	597.829251	186.396512	1086.72553	0	8.63438449	16.785955	5.22001842	30.6403579
1515	1GSOA	NonEnzymeRegulator	1.58030502	13.3690672	26.036742	6.01313476	46.9992491	245.320407	2011.66642	3911.11746	898.064692	7066.16898	36.5734522	307.425412	597.794102	137.975495	1079.76846	1.0331603	8.68247915	16.8170245	3.86993641	30.4026004
1516	1RJUV	NonEnzymeRegulator	0	4.43504492	21.9477077	15.3542792	41.7370319	0	611.420061	3080.24665	2185.93739	5877.6041	0	101.757227	501.112725	350.165621	953.035572	0	2.71235485	13.3080684	9.29598323	25.3164065

1517	2PVBA	NonEnzymeRegulator	0	6.57189888	25.3586356	14.8648932	46.7954277	0	1030.60278	3798.5736	2145.07768	6974.25406	0	152.72997	583.016873	338.610777	1074.35762	0	4.43159143	16.6585867	9.46073807	30.5509162
1518	3G5SA	NonEnzymeRegulator	2.6030656	19.2840018	21.7623555	4.41205062	48.0614735	392.098848	2958.01121	3328.54207	678.10459	7356.75672	59.8803591	444.250921	500.409902	101.631594	1106.17278	1.70181035	12.5214876	14.0071083	2.84146836	31.0718747
1519	2FBAA	NonEnzymeRegulator	2.15355566	15.6236896	26.1600719	3.72352002	47.6608373	332.928013	2409.37711	4002.27756	545.897493	7290.48018	49.7798937	360.945966	603.285433	85.0331911	1099.04448	1.42676394	10.2659612	17.0469888	2.37463188	31.1143457
1520	3G9YA	NonEnzymeRegulator	0	9.83263281	26.0804941	12.1072769	48.0204038	0	1553.07981	4103.4625	2009.12571	7665.66801	0	228.558638	606.171078	284.003271	1118.73299	0	6.33176913	16.7715632	8.01250653	31.1158389
1521	3H3LA	NonEnzymeRegulator	2.11262839	14.4269597	27.0464285	5.28459534	48.870612	336.106593	2285.79274	4278.19412	776.867612	7676.96106	49.3407707	335.629062	628.340941	120.685669	1133.99644	1.4281438	9.60478155	17.8579491	3.36766053	32.2585349
1522	3HO6A	NonEnzymeRegulator	1.99367749	11.1663461	25.225995	10.4722769	48.8582955	298.914772	1686.37633	3738.8921	1547.58723	7271.77042	45.8130209	256.830033	577.691466	239.7336	1120.06812	1.31940247	7.28673742	16.2978138	6.74855441	31.6525081
1523	3F9XA	NonEnzymeRegulator	3.77371026	19.8016176	22.3241501	3.0698524	48.9693304	584.179662	3034.0665	3373.76853	445.516121	7437.53082	87.1057659	456.893058	512.066863	69.7438096	1125.8095	2.47256014	12.8855931	14.2941036	1.9171721	31.5694289
1524	1WNAA	NonEnzymeRegulator	1.1767817	8.59882483	25.5268772	12.7183811	48.0208649	178.60559	1317.6356	3810.54667	1888.65195	7195.43982	27.118033	198.443223	584.728835	290.688129	1100.97822	0.78483221	5.69657532	16.5330978	8.13246314	31.1469684
1525	3IT3A	NonEnzymeRegulator	4.2547053	21.8510759	19.5190212	3.09212005	48.7169224	649.570611	3274.19169	2991.72755	489.66086	7405.15071	98.038628	502.277147	450.389956	71.6952318	1122.40096	2.75694607	14.2254278	12.7430564	2.00910892	31.7345392
1526	1V7ZA	NonEnzymeRegulator	2.53634912	14.5855081	20.9031629	9.62952631	47.6545464	382.637777	2170.3607	3147.7335	1504.95596	7205.68794	58.514991	335.0478	479.871935	222.812367	1096.24709	1.66574668	9.50107697	13.4744008	6.26446846	30.9056929
1527	1WFBA	NonEnzymeRegulator	9.94432531	9.49645168	9.91651959	9.29740039	38.654697	1364.39084	1287.60982	1326.42964	1270.7509	5249.18121	223.302516	212.702975	221.338862	207.978499	865.322852	6.05774474	5.73305463	5.86476936	5.4359334	23.0915021
1528	4DUHA	NonEnzymeRegulator	0.7309066	11.7673118	21.1902609	13.9204779	47.6089572	107.644856	1772.45479	3216.47275	2104.96618	7201.53858	16.7276915	270.188328	486.556739	318.85244	1092.3252	0.47395471	7.58926656	13.5712509	8.7892227	30.4236949
1529	4EFPA	NonEnzymeRegulator	3.5962718	23.2300986	18.9131139	3.92554096	49.6650253	584.514765	3688.08169	2884.55355	581.756538	7738.90654	84.4536148	540.630963	435.257764	89.7449434	1150.08729	2.47223957	15.4990612	12.1947085	2.49601947	32.6620287
1530	2C4JA	NonEnzymeRegulator	1.82497606	11.0532841	24.2548558	13.374557	50.507673	285.55231	1719.41328	3750.06647	2059.27114	7814.3032	42.2022005	255.898946	561.600527	309.307776	1169.00945	1.19205029	7.266352	16.0423988	8.80572014	33.3065212
1531	3OXPA	NonEnzymeRegulator	1.31490763	5.79937202	21.7919085	18.1884661	47.0946543	190.284502	845.727443	3220.98402	2688.35863	6945.3546	29.9881776	132.452091	498.296912	415.266172	1076.00335	0.86344709	3.78839458	14.0739939	11.5129849	30.2388205
1532	1SJWA	NonEnzymeRegulator	0.69626319	20.5562156	23.2065657	5.1555235	49.6145681	112.713354	3247.35893	3661.04408	832.286897	7853.40326	16.2406373	476.325611	537.180643	120.161736	1149.90863	0.46879122	13.3770634	15.0171131	3.37330856	32.2362763
1533	3CLMA	NonEnzymeRegulator	2.87748912	15.1399558	23.3401526	5.78281632	47.1404138	443.000971	2275.59256	3471.23002	853.636641	7043.46019	66.4183812	347.310324	533.759483	131.840696	1079.32888	1.90754659	9.79845751	14.9110355	3.66617588	30.2832155
1534	3EO6A	NonEnzymeRegulator	3.27051562	17.8291173	21.5854603	4.52298336	47.2080765	488.127697	2699.88393	3230.70786	669.172563	7087.89205	74.8943961	409.168573	493.883633	103.286542	1081.23314	2.12053355	11.4480508	13.6799825	2.81990242	30.0684692
1535	2Z5WA	NonEnzymeRegulator	2.09441236	22.5768177	19.3080478	1.59758718	45.576865	298.999335	3270.63821	2724.06398	227.217417	6520.91894	47.6271357	514.903276	437.700778	36.2802981	1036.51149	1.3631419	14.6961322	12.4414671	1.04287452	29.5436157
1536	1M55A	NonEnzymeRegulator	2.68401522	14.1384871	25.4850311	7.67664124	49.9841747	437.093161	2239.80972	3896.5531	1160.20643	7733.66241	62.6711051	328.363189	587.384109	176.411989	1154.83039	1.79458952	9.39553694	16.6944366	4.99077771	32.8753408
1537	2GKPA	NonEnzymeRegulator	2.08302118	11.4030868	25.0546778	10.3984414	48.9392272	332.491175	1817.63227	3877.37634	1615.92613	7643.42591	48.488202	265.26828	578.305281	240.400552	1132.46232	1.39572601	7.60278116	16.3040043	6.7366929	32.0392044
1538	2W8XA	NonEnzymeRegulator	1.93372306	11.6255936	25.8061122	8.12701377	47.4924426	302.897455	1852.60882	4114.35143	1356.61888	7626.47658	44.710626	270.623802	598.692275	189.882282	1103.90899	1.22413589	7.43365908	16.3676008	5.12989058	30.1552863
1539	1AH7A	NonEnzymeRegulator	2.7702611	22.2867004	19.2002503	4.91715732	49.1743691	445.311703	3527.68868	3059.47849	796.433041	7828.91191	64.5453065	518.050652	447.002083	114.83179	1144.42983	1.83251067	14.7091715	12.7212104	3.2824441	32.5453367
1540	1T92A	NonEnzymeRegulator	3.15604216	22.3184782	17.0962435	4.38683695	46.9576008	460.014662	3338.72466	2664.28734	659.632386	7122.65905	72.1136745	511.956618	394.878485	100.529312	1079.47809	2.06199105	14.3892441	10.976277	2.80595405	30.2334662
1541	3R9FA	NonEnzymeRegulator	1.6589694	7.41799036	24.2698089	15.6355542	48.9823228	261.50999	1120.16831	3638.13662	2306.78023	7326.59515	38.6230411	170.823579	557.747552	357.819222	1125.01339	1.13534232	4.9269921	15.8704156	10.1358711	32.0686211
1542	4AE7A	NonEnzymeRegulator	5.69439116	29.1785186	12.3322597	1.50203575	48.7072052	860.706968	4504.30407	1881.32795	207.698672	7454.03766	131.742846	674.944906	284.09953	33.8997973	1124.68708	3.78683738	19.2588063	8.03808012	0.91763891	32.0013627
1543	3IE4A	NonEnzymeRegulator	1.02246009	16.6469061	17.7241066	14.344063	49.7375359	170.624284	2731.18901	2788.30491	2217.36499	7907.48319	24.0735971	390.115759	411.459311	332.041201	1157.68987	0.70154062	11.2468099	11.7728388	9.51865266	33.239842
1544	2XJPA	NonEnzymeRegulator	4.63258539	26.7890727	11.5606648	3.08690118	46.069224	685.394255	4127.18909	1758.90509	468.988624	7040.47707	106.45964	620.828321	267.112526	71.2938613	1065.69435	3.06447784	17.8080978	7.51107147	1.99329408	30.3769412
1545	2VK8A	NonEnzymeRegulator	2.92715075	15.0728183	22.7222834	6.87117859	47.593431	448.262127	2268.62567	3432.35675	993.951184	7143.19573	67.5183936	346.464875	522.495778	156.381324	1092.86037	1.91004685	9.79434176	14.7787883	4.38668901	30.8698659
1546	2WQKA	NonEnzymeRegulator	6.54641762	27.6505631	10.5447852	3.61643084	48.5460431	963.169467	4160.62441	1643.36475	564.01476	7360.73464	149.711108	635.117252	244.487184	84.1591316	1117.84905	4.21819993	17.9574634	6.98616657	2.44932389	31.7376523
1547	1NKDA	NonEnzymeRegulator	5.86284211	15.8980265	13.9237722	12.0788311	48.5014502	905.855531	2411.9851	2033.43075	1742.82073	7194.38487	134.860444	365.281533	317.816884	275.264837	1109.81777	3.71815848	10.148513	8.83199271	7.63497853	30.7844117

1548	4GB5A	NonEnzymeRegulator	0.99940757	24.6486708	17.8497203	4.49033546	47.9881341	156.309486	3875.80208	2842.53014	678.123621	7552.76533	23.142138	570.447428	413.947234	102.788137	1110.32494	0.66028134	16.1095376	11.6229375	2.82423828	31.2169947
1549	3LAXA	NonEnzymeRegulator	2.84281142	18.5066262	21.3904241	6.96651512	49.7063769	410.849467	2693.7057	3131.58703	1040.42512	7276.56732	64.6405586	421.573438	487.652989	159.47563	1133.34262	1.81725127	11.8771421	13.6676835	4.42840631	31.7904832
1550	3KU3A	NonEnzymeRegulator	19.8085944	22.194411	4.63170911	1.0637679	47.8165177	3023.84317	3388.92018	678.298941	152.491204	7260.25894	457.376917	510.944004	105.296734	24.2977763	1100.59143	12.9974243	14.2886294	2.88010631	0.66779345	30.9056428
1551	2WCJA	NonEnzymeRegulator	0	8.17903118	26.649169	13.2781976	48.1063978	0	1254.04403	4027.14624	1972.52047	7253.71074	0	189.029352	613.564434	304.326628	1106.92041	0	5.36176112	17.1655832	8.48658284	31.0139272
1552	1PE9A	NonEnzymeRegulator	1.34106788	14.1555175	22.6405601	8.56381395	46.7009594	199.063823	2183.50446	3410.21885	1262.23038	7055.01752	30.7591507	326.471683	519.934092	196.029136	1073.19406	0.87084655	9.21377993	14.615781	5.51773253	30.21814
1553	2BF6A	NonEnzymeRegulator	2.66025805	18.5750133	21.2346724	5.82772491	48.2976687	395.987921	2851.27854	3226.68028	870.837932	7344.78468	61.0119796	428.756863	488.536626	133.770804	1112.07627	1.73912641	12.1604913	13.7335965	3.78326464	31.4164789
1554	3Q39A	NonEnzymeRegulator	5.19727257	23.7118834	16.7479942	1.52527258	47.1824228	795.692908	3641.92591	2605.11501	218.71244	7261.44627	119.959785	547.439524	387.050323	34.582731	1089.03236	3.3876849	15.5644881	10.8525464	0.94383107	30.7485505
1555	2XRHA	NonEnzymeRegulator	3.8782209	27.9087904	14.374747	2.75331298	48.9150713	566.319505	4168.11368	2129.25818	410.794418	7274.48578	88.6564856	640.235311	329.450341	63.4263287	1121.76847	2.5032432	17.8476721	9.17387658	1.81244913	31.337241
1556	2E3NA	NonEnzymeRegulator	3.17259054	26.9856292	17.9930297	1.00130735	49.1525568	490.355753	4199.94012	2744.65374	144.560649	7579.51026	73.5351062	624.28227	413.525483	22.7004871	1134.04335	2.10783955	17.6467699	11.5266336	0.60907942	31.8903225
1557	2WNFA	NonEnzymeRegulator	0.90045677	11.3815977	23.0600517	13.885381	49.2274873	138.636766	1781.51298	3610.30315	2133.95642	7664.40932	20.8156631	263.788262	533.699384	319.920915	1138.22422	0.60328888	7.56463118	15.0793648	8.91581099	32.1630958
1558	4F6JA	NonEnzymeRegulator	0	8.65158842	22.6078708	15.0735962	46.3330554	0	1338.86118	3530.79847	2299.03708	7168.69674	0	200.325547	523.229305	346.685332	1070.24018	0	5.72922603	14.7981907	9.71853557	30.2459523
1559	1ITXA	NonEnzymeRegulator	2.1834099	15.4120915	23.6302927	5.80072584	47.0265199	349.999642	2409.78032	3628.92776	885.180322	7273.88805	51.1049468	357.326955	544.720422	133.607415	1086.75974	1.48924739	10.2118655	15.335229	3.72427536	30.7606172
1560	3Q1IA	NonEnzymeRegulator	3.06106735	19.1399747	21.4495025	6.05097239	49.7015169	480.923538	2965.52386	3270.10037	900.476263	7617.02403	71.0048261	442.69123	494.004865	138.480967	1146.18189	2.05067665	12.5954069	13.8828328	3.85421115	32.3831274
1561	3GIUA	NonEnzymeRegulator	1.98852323	13.249428	22.845188	9.04822309	47.3371364	307.01357	2032.59084	3412.82913	1338.77238	7120.24385	45.9670118	305.488877	523.555552	206.853427	1086.52005	1.3189739	8.69154086	14.7402697	5.76706743	30.6472315
1562	3N6YA	NonEnzymeRegulator	4.04573892	20.4169383	21.2063187	3.05425179	48.7232477	630.312864	3153.4668	3201.94609	447.814825	7433.54058	93.7920018	471.85453	486.404229	69.3793596	1121.43012	2.69179397	13.4702277	13.575855	1.86365729	31.601534
1563	1QQFA	NonEnzymeRegulator	1.23751392	12.7948389	26.6144148	7.97019626	48.6169639	190.986762	1948.82518	4044.64535	1245.31335	7429.77065	28.6513442	295.286442	613.007366	184.488299	1121.43345	0.82092374	8.42914736	17.3496633	5.21886506	31.8185995
1564	3AAPA	NonEnzymeRegulator	2.17094896	10.7995217	22.5721811	12.5964091	48.1390608	326.725933	1666.36492	3448.88934	1947.74009	7389.72028	50.0673949	249.877685	520.980522	291.370686	1112.29629	1.4242657	7.13526023	14.783455	8.20853945	31.5515204
1565	3POJA	NonEnzymeRegulator	0.91701284	16.4665528	23.8599988	7.47501275	48.7185772	141.659472	2606.15847	3692.37278	1145.76178	7585.95251	21.2268827	383.017437	551.73015	172.444118	1128.41859	0.61815282	11.0012503	15.5593411	4.8108076	31.9895518
1566	3MXZA	NonEnzymeRegulator	8.96639078	15.9566941	14.4487731	9.44558716	48.8174451	1334.60072	2285.78659	2047.21123	1352.7764	7020.37494	205.174594	362.379703	327.344542	215.076387	1109.97523	5.70757211	10.0285821	9.02112534	5.95353244	30.710812
1567	3MD7A	NonEnzymeRegulator	3.35558484	21.7675115	21.230999	1.85085144	48.2049468	512.374915	3377.73117	3293.87391	282.548819	7466.52881	77.2926709	502.869678	490.658057	42.7746372	1113.59504	2.18499496	14.1295613	13.7485635	1.21436775	31.2774874
1568	4ERRA	NonEnzymeRegulator	7.45361547	14.9830959	15.0707195	10.8490724	48.3565032	1139.2368	2241.60168	2220.49948	1577.79321	7179.13117	171.550168	342.983951	344.161499	246.655156	1105.35078	4.83610801	9.60158901	9.65995137	6.83696325	30.9346116
1569	3KB9A	NonEnzymeRegulator	1.81028468	18.8372844	26.3246052	2.4946983	49.4668726	310.309564	3070.38882	4132.15892	370.002575	7882.85988	42.8606679	440.521693	608.439057	56.8811786	1148.7026	1.2434593	12.566666	17.0153167	1.57261522	32.3980573
1570	3TVTB	NonEnzymeRegulator	7.39298066	14.5206165	18.2756627	10.8790916	51.0683515	1037.91804	2050.64836	2611.81089	1555.91733	7256.29463	167.799607	330.23529	415.598989	247.21669	1160.85058	4.74547132	9.1736731	11.4674229	6.90019859	32.2867659
1571	2IZXA	NonEnzymeRegulator	1.32918807	19.4230434	23.2306591	6.21999257	50.2028831	206.930113	2980.55514	3532.0988	929.690646	7649.2747	30.8680022	448.343739	533.961057	142.65299	1155.82579	0.88971744	12.7640484	14.9821652	4.05928169	32.6952128
1572	1C75A	NonEnzymeRegulator	0	5.20678869	20.464895	18.8521338	44.5238175	0	756.244777	2956.97899	2712.00538	6425.22914	0	118.797328	466.287892	428.709102	1013.79432	0	3.36187419	13.0785132	11.8760778	28.3164652
1573	1IRQA	NonEnzymeRegulator	4.03117548	9.45581794	21.9823054	14.3609438	49.8302426	572.27342	1393.5406	3318.49591	2094.79045	7379.10039	91.884705	216.28589	503.282377	328.323064	1139.77604	2.56024309	6.04237474	13.9628817	9.26388547	31.829385
1574	2XDWA	NonEnzymeRegulator	0.54796286	12.8420034	25.4443374	9.92251853	48.7568223	83.4456278	1992.37964	3965.27945	1514.31755	7555.42227	12.5914219	297.209322	589.703513	228.656835	1128.16109	0.35179864	8.43850416	16.8183756	6.44945981	32.0581382
1575	4A6QA	NonEnzymeRegulator	15.8077547	29.1653432	2.48316434	1.46571769	48.92198	2394.6378	4469.23866	354.69223	209.95543	7428.52412	363.649807	670.713596	56.2540326	33.248307	1123.86574	10.3245997	18.6489903	1.547015	0.89259866	31.4132037
1576	3LYEA	NonEnzymeRegulator	4.05256957	25.5888997	14.0901318	3.63605176	47.3676529	602.057072	3845.68561	2116.21172	532.122425	7096.07683	93.3019657	587.17135	322.832653	82.8017932	1086.10776	2.66322979	16.4513791	8.98856263	2.25865337	30.3618249
1577	2HQ2A	NonEnzymeRegulator	2.65867943	10.698923	23.9160348	11.669317	48.9429542	411.259797	1661.02405	3681.08393	1813.28926	7566.65704	61.4598585	247.578412	551.35712	269.418572	1129.81396	1.74227879	7.06100025	15.4947968	7.50522388	31.8032997
1578	1Y9LA	NonEnzymeRegulator	0	17.0726404	24.2442624	8.17221004	49.4891129	0	2639.20588	3684.11774	1204.00433	7527.32794	0	395.365089	558.729749	187.176714	1141.27155	0	11.4602487	15.9834828	5.25446115	32.6981926

1579	3AWUA	NonEnzymeRegulator	1.70307073	11.7438933	28.0207165	7.48992116	48.9576017	297.453366	1938.93441	4448.86657	1182.05715	7867.31149	40.5353143	274.928785	649.660157	173.081522	1138.20578	1.17794443	7.79490941	18.259753	4.7621245	31.9947313
1580	1GXUA	NonEnzymeRegulator	1.14013688	20.699928	23.7722982	3.68290849	49.2952716	174.025238	3273.72398	3698.52074	578.433297	7724.70325	26.1560328	479.669337	549.268127	85.3621944	1140.45569	0.72817268	13.5273664	15.4516931	2.43173593	32.1389681
1581	4EU9A	NonEnzymeRegulator	3.13898458	18.54302	20.7486042	4.74201829	47.1726271	469.145243	2757.44372	3135.54539	745.027914	7107.16228	71.9169602	424.731675	476.414413	109.538053	1082.6011	1.99042528	11.8622311	13.3242503	3.0204431	30.1973498
1582	1MG7A	NonEnzymeRegulator	3.60074245	22.2369123	19.3249215	3.12067211	48.2832484	539.593558	3342.78843	2848.73332	469.465612	7200.58093	82.6111062	510.898449	441.960858	71.4131977	1106.88361	2.33140876	14.4056007	12.3855727	1.97035678	31.0929389
1583	3GMGA	NonEnzymeRegulator	3.37403291	27.258167	11.4709317	3.72306488	45.8261965	487.796615	3935.80243	1660.98324	583.948553	6668.53084	76.7503626	620.313663	260.768441	86.0788266	1043.91129	2.15540561	17.3204823	7.21467085	2.38881965	29.0793784
1584	4DZNA	NonEnzymeRegulator	12.3886508	12.2317343	12.1585393	12.0455823	48.8245068	1740.86489	1730.11125	1758.59175	1790.13064	7019.69854	280.343409	277.288961	276.915489	276.405029	1110.95289	7.93635448	7.83350734	7.84996114	7.87975814	31.4995811
1585	1JL0A	NonEnzymeRegulator	1.62952202	11.7024198	29.2265514	6.51579981	49.0742931	246.531075	1817.46894	4483.83058	1005.68549	7553.51609	37.5635261	271.755097	675.336063	150.601498	1135.25618	1.07885989	7.83881715	19.1496015	4.25998406	32.3272626
1586	2D8DA	NonEnzymeRegulator	4.71118851	31.0998369	10.149365	5.08671587	51.0471063	728.896133	4675.60792	1538.10354	757.757904	7700.3655	108.721927	712.913455	232.281513	115.943909	1169.8608	3.11268944	19.8843179	6.39143826	3.17589847	32.5643441
1587	4G41A	NonEnzymeRegulator	2.34798375	17.8890936	21.8937784	4.77776707	46.9086228	337.967224	2622.92747	3283.54087	719.460914	6963.89647	53.448372	409.438839	502.939716	110.038367	1075.86529	1.50661318	11.5809667	14.2291927	3.10200983	30.4187824
1588	2BL8A	NonEnzymeRegulator	1.66945654	17.5432537	21.7298891	8.81459721	50.2985435	253.594869	2651.63618	3302.93746	1330.89626	7626.63803	38.4267396	403.259634	500.44305	202.258575	1157.04221	1.09806456	11.4144495	14.1807161	5.6653783	32.720361
1589	3QOOA	NonEnzymeRegulator	6.03138381	21.6929033	18.0771204	2.19946027	48.0008677	883.407277	3239.01451	2732.48767	364.457015	7219.36648	137.54201	496.064915	415.041837	51.4687566	1100.11752	3.8439379	13.8359778	11.6580174	1.45160756	30.7895407
1590	3KTPB	NonEnzymeRegulator	0	18.9460805	12.5016045	18.2801167	49.7278016	0	3265.39299	2148.835	3138.93765	8553.16564	0	450.406977	296.701461	433.947052	1181.05549	0	13.2330111	8.71881291	12.618175	34.569999
1591	2QMLA	NonEnzymeRegulator	1.34520271	9.38625922	27.8568674	11.5841198	50.4393851	222.046726	1459.79123	4387.71278	1831.45853	7941.80513	31.58268	217.360104	646.289154	269.002687	1170.38648	0.91492779	6.23976596	18.3898525	7.65136031	33.372383
1592	1OAIA	NonEnzymeRegulator	1.60734051	12.4017122	21.3415254	12.9590622	48.3096403	248.707565	1938.58419	3303.91807	1913.12508	7404.3349	37.3055987	287.977564	493.57376	296.999545	1115.85647	1.0495838	8.17137413	13.8468978	8.34367917	31.4115349
1593	1ZMIA	NonEnzymeRegulator	5.14837105	17.455384	19.294298	8.39975326	50.2978063	872.358136	2916.47975	3173.2333	1346.34316	8308.41435	122.124344	411.820268	453.463614	195.572741	1182.98097	3.51046634	11.7252385	12.8879515	5.474932	33.5985883
1594	3ULTA	NonEnzymeRegulator	1.15094654	15.6344618	14.3108113	11.2117683	42.307988	164.090169	2277.34028	2049.54523	1599.24128	6090.21696	26.0236482	354.49489	323.465003	253.236989	957.22053	0.71469351	9.4790326	8.66654871	6.80677118	25.667046
1595	3LAAA	NonEnzymeRegulator	9.10463054	18.2149759	11.8246212	2.79148272	41.9357103	1340.49297	2607.98512	1721.9188	371.301757	6041.69865	207.919465	413.133015	269.47119	62.37798	952.90165	5.78292636	11.3349212	7.46390926	1.6996056	26.2813624
1596	1NU0A	NonEnzymeRegulator	6.30607202	25.551596	14.1947318	1.74616886	47.7985687	933.441829	3868.67525	2128.69087	280.736578	7211.54453	144.34846	586.252848	324.725958	40.6172972	1095.94456	4.12138164	16.4578846	8.96162058	1.13124056	30.6721274
1597	3HWUA	NonEnzymeRegulator	1.57770087	15.0976679	21.7349637	9.0442659	47.4545984	240.206837	2277.91825	3370.93816	1385.21727	7274.28051	36.246211	346.713834	502.206987	208.544225	1093.71126	1.01801656	9.75120037	14.1693644	5.87706277	30.8156441
1598	1GJ7A	NonEnzymeRegulator	0	9.90035696	24.3595345	15.7325736	49.992465	0	1501.84922	3639.36479	2379.26435	7520.47836	0	227.826087	559.741353	362.238678	1149.80612	0	6.37958572	15.7847104	10.4165174	32.5808135
1599	2GLZA	NonEnzymeRegulator	3.1896599	22.11593	16.94021	6.54662894	48.7924288	473.973583	3425.43328	2589.40423	997.825505	7486.6366	72.9904094	511.398166	389.728361	150.011512	1124.12845	2.05622349	14.494239	10.9248819	4.1055043	31.5808487
1600	1EYHA	NonEnzymeRegulator	3.1746291	19.9659477	22.1648728	4.36461867	49.6700682	476.229609	3018.40357	3389.13726	653.448915	7537.21936	73.2472239	459.336786	509.861975	99.8515858	1142.29757	2.08872618	12.9123763	14.1783476	2.74610723	31.9255573
1601	4F6TA	NonEnzymeRegulator	2.60826407	12.5513511	25.3539168	6.30370758	46.8172395	379.73506	1870.88017	3836.76366	959.074424	7046.45331	59.3862167	287.005032	581.364724	144.548888	1072.30486	1.674074	8.02571997	16.2073052	4.01661816	29.9237173
1602	2JCQA	NonEnzymeRegulator	1.96592394	11.3651548	21.7597118	12.4904269	47.5812175	314.113567	1761.63162	3288.21748	1882.34814	7246.31081	45.9314528	263.092635	500.426215	286.314797	1095.7651	1.31991477	7.4682269	14.0065442	7.93080977	30.7254957
1603	1RU4A	NonEnzymeRegulator	3.6547832	17.5261168	20.7564903	4.28590492	46.2232952	589.839332	2744.36631	3196.33372	643.538399	7174.07776	85.2611561	405.598527	479.212441	98.4871968	1068.55932	2.4283871	11.395619	13.50634	2.75314891	30.0834949
1604	1KT6A	NonEnzymeRegulator	1.17282892	16.6015029	23.6862104	7.06209097	48.8070194	192.604412	2648.77024	3682.32598	1091.16103	7657.22805	27.5445756	387.112801	547.878578	162.999296	1132.02342	0.79924302	11.0843908	15.3768199	4.52176404	31.9524106
1605	3PVHA	NonEnzymeRegulator	1.60450374	7.4679472	23.5638239	15.1426731	47.7789479	240.930753	1097.12452	3478.38848	2230.52775	7046.97149	36.8815729	170.621078	538.806012	345.798987	1092.10765	1.06486849	4.84800557	15.2171389	9.66574422	30.7957572
1606	2CKKA	NonEnzymeRegulator	1.65599451	12.6411775	23.8168001	11.6396756	49.7536477	236.998919	1865.64593	3535.11831	1722.58587	7360.34903	37.621477	289.05952	544.778329	265.904574	1137.3639	1.06936516	8.22462818	15.341435	7.45693972	32.092368
1607	4GWBA	NonEnzymeRegulator	1.17595391	13.3823317	21.8703675	13.1150588	49.543712	184.321068	2114.65119	3442.1955	2095.88824	7837.056	27.2396131	310.571611	506.537293	304.503311	1148.85183	0.77590046	8.82019919	14.2401947	8.50926547	32.3455598
1608	2P5KA	NonEnzymeRegulator	0.7943515	22.5491408	21.6545993	5.06664322	50.0647348	111.23286	3295.94826	3228.24996	753.16325	7388.59433	18.0309549	514.152937	495.270663	115.806291	1143.26085	0.51007297	14.3686187	13.8336229	3.18943843	31.901753
1609	2GUIA	NonEnzymeRegulator	2.11354756	11.1366724	23.3201395	11.8288058	48.3991652	307.128495	1664.9809	3548.51771	1799.07272	7319.69983	48.1931892	255.692079	537.209072	272.140242	1113.23458	1.36306035	7.26651952	15.1313799	7.64032346	31.4012832

1610	3LD7A	NonEnzymeRegulator	1.18084091	21.7635071	19.7014422	5.70018588	48.3459761	180.79934	3262.53268	2916.96068	822.685562	7182.97826	27.1284247	498.797372	449.985775	129.483844	1105.39542	0.763311	14.0737118	12.5383917	3.56084275	30.9362573
1611	3UR6A	NonEnzymeRegulator	2.17588822	11.4859722	21.7570407	11.6335698	47.052471	345.168764	1810.71031	3324.62006	1757.29386	7237.793	50.6118688	267.024379	501.955109	267.203353	1086.79471	1.44611533	7.64023532	14.1583203	7.47970283	30.7243738
1612	2B3GB	NonEnzymeRegulator	1.94259393	13.997169	16.0863187	15.744608	47.7706897	264.814549	2016.05122	2445.69853	2381.57695	7108.14125	44.1441335	320.619401	371.910335	362.986277	1099.66015	1.22676427	9.06152402	10.5087885	10.2728811	31.0699579
1613	3QU3A	NonEnzymeRegulator	1.30987641	22.7517586	19.748201	6.11180298	49.921639	226.820131	3744.30506	3206.28932	911.275932	8088.69045	31.1099738	532.30694	459.649458	139.649267	1162.71564	0.91285996	15.1653004	12.8952549	3.85398383	32.8273991
1614	3S44A	NonEnzymeRegulator	2.22662365	13.1476043	23.2106242	11.3324107	49.9172629	336.363576	2025.06568	3549.39323	1749.43988	7660.26237	51.3350889	304.204403	535.181558	261.635335	1152.35638	1.46181488	8.69113067	15.2074365	7.39353979	32.7539218
1615	3F1LA	NonEnzymeRegulator	2.24989975	15.2646178	26.0047058	4.23071061	47.749934	338.411368	2281.79912	3960.0673	649.548466	7229.82625	51.6253828	350.824543	598.322042	97.6356908	1098.40766	1.46365584	9.92639854	16.6881568	2.70459637	30.7828076
1616	2IU5A	NonEnzymeRegulator	2.88845405	16.9064777	20.6276181	10.677783	51.1003329	456.271921	2635.05176	3141.4259	1680.47703	7913.22661	67.2312505	391.832497	475.861835	247.908339	1182.83392	1.94732667	11.2326666	13.5770733	7.06055758	33.8176241
1617	2WW6A	NonEnzymeRegulator	6.01786162	17.2215751	22.0468485	5.39431429	50.6805996	1002.62065	2757.53938	3434.79908	831.921287	8026.8804	141.621716	400.675706	510.364699	125.184629	1177.84675	4.11483284	11.4530402	14.4510809	3.65799468	33.6769486
1618	2NRRA	NonEnzymeRegulator	2.09713115	11.8983448	26.3957488	9.34478642	49.7360112	314.508581	1793.70204	4022.99141	1428.17114	7559.37317	48.189749	273.1251	607.539118	215.162876	1144.01684	1.38319725	7.72256358	17.0916897	6.04225574	32.2397063
1619	1W4SA	NonEnzymeRegulator	4.63541455	21.8239846	20.3210023	3.9285373	50.7089387	757.666889	3462.11483	3224.31753	621.43684	8065.53609	109.028825	508.510363	472.257419	91.1997	1180.99631	3.18548555	14.5827279	13.4869408	2.59490601	33.8500603
1620	3L9AX	NonEnzymeRegulator	1.26416732	9.98743488	25.2540604	13.5439997	50.0496623	210.208191	1609.54557	3968.2455	2097.99611	7885.99537	29.7111865	233.047814	585.578141	312.913138	1161.25028	0.86384573	6.73668256	16.6953262	8.83738885	33.1332433
1621	3NJ2A	NonEnzymeRegulator	3.01052514	16.7194951	20.8642667	8.53780742	49.460305	464.949863	2557.06002	3180.78482	1309.88332	7562.12604	69.595666	385.175926	480.023173	196.5455	1138.87902	1.99076366	10.9614091	13.524301	5.5211216	32.2101577
1622	1A1IA	NonEnzymeRegulator	2.35687074	17.4459115	23.0673263	7.48027389	50.3503824	381.902617	2811.22171	3691.81359	1165.44988	8050.3878	54.682027	404.958923	535.296933	172.908213	1167.8461	1.50212722	11.2010251	14.8048025	4.76999263	32.2779474
1623	2ENDA	NonEnzymeRegulator	1.88305755	15.7845298	20.7753709	11.9010639	50.3440221	282.542835	2447.78312	3164.29383	1894.79164	7789.41142	43.1098124	364.847517	477.849042	276.27557	1162.08194	1.19509315	10.3632449	13.4633846	7.8043853	32.826108
1624	2W3GA	NonEnzymeRegulator	1.94110932	12.6943342	24.5261473	8.27608928	47.4376801	294.203991	1917.84232	3687.66444	1260.23757	7159.94832	44.8563035	291.691252	561.990024	190.115726	1088.6533	1.28392827	8.25931131	15.6494745	5.24385368	30.4365678
1625	2DPFA	NonEnzymeRegulator	3.08340404	28.9629452	12.5482274	3.37964633	47.974223	458.404462	4435.29073	1976.65746	560.040401	7430.39306	70.6427871	667.578357	290.391336	79.2599895	1107.87247	2.02393312	18.8510284	8.04895732	2.22616885	31.1500877
1626	3MDQA	NonEnzymeRegulator	1.13661606	13.6776737	24.0974331	9.64841763	48.5601404	164.626511	2028.37195	3609.31678	1480.04763	7282.36288	25.9425032	312.744034	551.633411	221.424079	1111.74403	0.73021779	8.79467224	15.4798839	6.09389383	31.0986677
1627	1NNFA	NonEnzymeRegulator	1.51645888	10.8686115	21.6344373	13.6942984	47.7138061	232.482187	1642.6402	3242.9531	2020.38449	7138.45997	34.8968012	249.76147	496.358153	312.981868	1093.99829	0.97083305	7.04006458	14.0490004	8.80284386	30.8627419
1628	3SKXA	NonEnzymeRegulator	4.0700823	14.8017996	21.9062412	6.84018275	47.6183059	615.720807	2189.00301	3177.29232	1036.08864	7018.10478	93.248081	338.802333	498.850126	156.915803	1087.81634	2.59439855	9.52923833	13.9703671	4.37180362	30.4658076
1629	3O7IA	NonEnzymeRegulator	4.99621606	18.0959916	22.1851856	2.84032863	48.1177219	737.994514	2742.45281	3359.09236	419.91425	7259.45394	114.227701	415.561095	508.557978	64.6800236	1103.0268	3.18360291	11.5698495	14.0985927	1.74849287	30.600538
1630	3K67A	NonEnzymeRegulator	2.31484519	14.3802926	20.7171492	11.2388814	48.6511683	332.021474	2161.95659	3127.61165	1692.60025	7314.18996	52.6024022	330.309516	476.569563	258.55393	1118.03541	1.47224978	9.33386785	13.5520741	7.2864209	31.6446126
1631	3L9UA	NonEnzymeRegulator	2.27247425	19.4149756	22.040878	4.68825231	48.4165802	365.163506	3005.40072	3304.73174	709.530718	7384.82669	53.103475	449.690458	506.517653	108.018354	1117.32994	1.55191025	12.9730971	14.3757465	3.05040165	31.9511555
1632	2DHOA	NonEnzymeRegulator	1.32592384	9.98455313	26.8927684	11.6138414	49.8170868	204.308764	1566.07875	4103.19732	1714.47589	7588.06072	30.73251	231.281575	619.636068	265.481737	1147.13189	0.87938453	6.5650444	17.5302906	7.44294974	32.4176692
1633	1UUYA	NonEnzymeRegulator	1.77564289	8.72831866	26.2618302	10.0542956	46.8200873	246.890099	1234.65138	3811.24404	1463.99342	6756.77894	40.2652167	197.969527	598.384173	229.36973	1065.98865	1.1472006	5.53463454	16.7497548	6.42488204	29.856472
1634	2NQTA	NonEnzymeRegulator	2.6824206	16.3511658	22.0068105	4.85327005	45.893667	397.88152	2466.341	3326.90574	715.94764	6907.0759	61.3694786	375.201098	504.957518	110.619804	1052.1479	1.72494833	10.5717892	14.1584035	3.05032012	29.5054612
1635	3TVJI	NonEnzymeRegulator	1.25929576	19.1707856	17.4212851	6.82439327	44.6757598	185.279525	2810.69604	2513.17559	1098.09144	6607.24259	29.0212864	439.086158	397.427923	159.749616	1025.28498	0.79813842	12.0756504	10.9135983	4.49852787	28.285915
1636	3EJNA	NonEnzymeRegulator	1.75832048	14.7995077	26.2050105	6.42262985	49.1854685	285.187102	2337.18748	4071.24988	948.014417	7641.63888	41.1150397	343.803998	605.624353	146.720864	1137.26425	1.17310324	9.8164213	17.0565303	4.07395226	32.1200071
1637	3A8GB	NonEnzymeRegulator	1.64051898	13.1629538	22.4064444	10.3292053	47.5391225	258.444923	2057.60105	3468.5647	1543.52178	7328.13246	38.0282711	305.153925	517.900034	236.782798	1097.86503	1.05884014	8.579859	14.6014381	6.61219471	30.8523319
1638	2PMRA	NonEnzymeRegulator	2.55315412	16.3880222	15.1709141	15.9877937	50.0998841	386.999806	2447.16245	2257.12403	2407.84248	7499.12876	58.6871424	375.872934	347.889077	367.076488	1149.52564	1.64769216	10.5227914	9.72030291	10.2389701	32.1297565
1639	2CXAA	NonEnzymeRegulator	1.9876311	13.5316995	24.2916929	8.99958474	48.8106082	307.593929	2153.27152	3859.3675	1438.24198	7758.47493	46.0911022	314.71484	564.050247	208.688245	1133.54443	1.31024422	8.98510988	15.9930348	5.85230592	32.1406948
1640	3CECA	NonEnzymeRegulator	12.3595977	28.6472652	4.4237192	3.26335619	48.6939383	1861.15868	4282.51208	666.46424	478.042565	7288.17757	283.23412	656.091401	101.691505	74.5920525	1115.60908	7.9367523	18.4946862	2.84695039	2.08970384	31.3680927

1641	3MQDA	NonEnzymeRegulator	2.78650585	18.4872349	22.7933779	1.89112791	45.9582466	406.059738	2729.19339	3415.53973	283.14943	6833.94229	63.6379373	423.371113	523.153463	43.1507544	1053.31327	1.76834493	11.8530903	14.6080601	1.18693246	29.4164278
1642	1EZGA	NonEnzymeRegulator	0.97511002	16.5276393	12.8021721	10.1333038	40.4382252	132.698966	2284.01831	1786.11401	1394.01432	5596.8456	22.1891173	374.324707	291.226525	230.253817	917.994166	0.59161336	9.97736238	7.8133794	6.14258477	24.5249399
1643	2O9UX	NonEnzymeRegulator	5.2254487	23.4029302	18.6020262	3.20481163	50.4352167	799.633873	3633.72926	2871.37342	501.486595	7806.22314	120.539654	541.91154	429.752053	74.2419531	1166.4452	3.42963183	15.4621425	12.1803436	2.08279402	33.154912
1644	2F3YB	NonEnzymeRegulator	12.239561	15.610884	15.1650136	12.5298412	55.5452997	1981.64071	2561.90622	2475.44481	2058.98488	9077.97663	286.492253	366.321103	355.727246	293.83946	1302.38006	8.30153653	10.6470764	10.3711581	8.51946421	37.8392353
1645	2Q5CA	NonEnzymeRegulator	3.48020574	19.4572731	20.1286653	5.7826858	48.84883	499.34809	2859.78527	2939.88187	835.552433	7134.56766	78.8875264	444.112884	459.311963	131.616219	1113.92859	2.18584385	12.4857999	13.0240552	3.70087964	31.3965786
1646	2PTHA	NonEnzymeRegulator	1.98724882	10.6151707	26.1484504	9.10085241	47.8517223	306.416006	1637.33789	3971.29332	1394.44315	7309.49037	45.7604418	244.755967	601.197394	209.67636	1101.39016	1.29723218	6.93857087	16.9188767	5.91402144	31.0687012
1647	1RFYA	NonEnzymeRegulator	4.30297539	14.5465069	17.4514448	12.7548568	49.0557838	646.331097	2167.33065	2588.97082	1905.2634	7307.89597	98.9523186	332.309637	399.302028	292.567478	1123.13146	2.72752263	9.22342356	11.3391366	8.22318958	31.5132723
1648	1W5QA	NonEnzymeRegulator	6.26934878	32.4790671	6.29340517	3.02421012	48.0660312	932.608689	4881.74239	947.281631	495.184962	7256.81767	144.30701	745.623898	144.243528	70.2107536	1104.38519	4.14654948	20.8572425	4.0102729	1.90174555	30.9158104
1649	3V39A	NonEnzymeRegulator	4.18681355	18.7566481	20.8557717	3.96274916	47.7619825	626.801809	2821.93027	3076.54934	583.912184	7109.19361	96.1838716	431.777172	477.517812	90.4953064	1095.97416	2.71393576	12.257547	13.4078287	2.51007153	30.8893829
1650	2WAGA	NonEnzymeRegulator	1.39634914	11.9085316	27.7143463	8.97020169	49.9894288	225.071504	1928.41678	4328.62898	1398.30363	7880.4209	32.6855346	278.524782	642.667993	207.101079	1160.97939	0.95376759	8.05878492	18.2286668	5.73862368	32.979843
1651	3O7BA	NonEnzymeRegulator	2.6818757	14.8516638	22.3322572	10.1442412	50.0100378	421.058016	2293.43118	3428.14379	1562.53472	7705.1677	62.2409232	342.946724	514.191672	233.121769	1152.50109	1.79411281	9.75756257	14.415193	6.443222	32.4100904
1652	1NG6A	NonEnzymeRegulator	4.35877081	13.1462306	20.135029	11.4624201	49.3780058	624.707302	1871.20115	2887.41376	1647.30063	7067.82538	98.7755976	298.393279	457.782196	260.985348	1122.12115	2.73488471	8.34793048	12.7607067	7.2744463	31.2876551
1653	2J1VA	NonEnzymeRegulator	0.34774549	10.2304875	22.0162349	15.9546589	48.5491269	51.4345141	1579.10252	3371.00279	2440.43787	7441.97769	7.95642434	235.987257	506.440162	366.886217	1117.27006	0.22606585	6.69792285	14.1879811	10.1817047	31.2936746
1654	1FYEA	NonEnzymeRegulator	2.72196642	12.8065032	25.6998651	6.60591094	47.8342457	419.000105	1945.01123	3907.53663	992.441903	7263.98988	62.8934829	295.036931	590.853262	151.148827	1099.9325	1.81545861	8.43462719	16.6317111	4.21666319	31.0984601
1655	3K6YA	NonEnzymeRegulator	8.50337226	33.2969295	2.92966785	0.84050469	45.5704743	1253.45337	4878.63127	447.863396	122.647463	6702.59549	194.551348	759.711154	67.3336734	19.2036807	1040.79986	5.52935523	21.2781977	1.87547492	0.54717785	29.2302057
1656	3A0MA	NonEnzymeRegulator	8.93875704	8.66484523	8.60185055	11.6043456	37.8097984	1306.35851	1282.16578	1277.99204	1730.69083	5597.20716	204.375872	198.681604	197.427247	266.651764	867.136487	5.74850556	5.60969497	5.58241103	7.56413034	24.5047419
1657	3K5JA	NonEnzymeRegulator	3.21575301	21.1126569	24.4603876	1.10659353	49.895391	536.788726	3377.06324	3837.81488	185.171631	7936.83848	75.9639107	492.132368	566.842737	26.0476248	1160.98664	2.26348375	14.1692667	16.044834	0.74536675	33.2229512
1658	3IUWA	NonEnzymeRegulator	0.64713672	19.8195624	21.7360945	7.61209378	50.4246798	97.3108673	2944.93674	3317.41	1190.2974	7648.40909	14.8608362	454.314957	500.472578	176.641073	1160.45003	0.42100199	12.9320435	14.0804794	4.97396592	32.791725
1659	1VE4A	NonEnzymeRegulator	2.63208982	15.7915915	19.3393703	10.7502499	48.5133015	386.59583	2355.10296	2869.15282	1630.03677	7240.88839	59.9803555	361.665009	441.62806	246.128083	1109.40151	1.6812489	10.1791703	12.3855916	6.82159217	31.067603
1660	2EHZA	NonEnzymeRegulator	1.7903159	12.6310195	26.3475661	7.81690259	48.5858042	282.147715	1999.5644	4153.30948	1185.77927	7620.80087	41.6128787	293.420581	611.443044	180.056428	1126.53293	1.18534519	8.32637622	17.3355864	5.08899405	31.9363019
1661	3LFKA	NonEnzymeRegulator	8.02767934	27.5208867	10.1796143	3.80175718	49.5299376	1190.81477	4026.7542	1502.71547	562.645062	7282.9295	184.022527	628.577256	233.051854	86.7385236	1132.39016	5.25549398	17.7025156	6.46696672	2.36803419	31.7930105
1662	1G4YB	NonEnzymeRegulator	9.33419197	19.0899362	14.4021617	8.0207258	50.8470158	1416.24453	2929.52047	2229.4694	1243.68086	7818.91526	213.869254	438.419174	331.266571	184.726972	1168.28197	5.91283907	12.1383248	9.19455039	5.11740302	32.3631173
1663	1OCYA	NonEnzymeRegulator	4.65751268	16.5115323	18.2203268	7.69748642	47.0868582	726.82041	2580.35346	2807.65999	1189.02076	7303.85462	107.687132	382.30718	419.982257	177.237134	1087.2137	2.99077493	10.7196208	11.7063395	4.87604703	30.2927823
1664	3Q62A	NonEnzymeRegulator	2.01564027	20.8482052	21.8154392	3.01648459	47.6957692	320.021075	3123.64231	3318.18818	481.37766	7243.22922	47.1612659	479.632975	503.423905	70.5450071	1100.76315	1.37507566	13.6353127	14.3808019	2.04502626	31.4362165
1665	2OOAA	NonEnzymeRegulator	1.19228558	14.3339027	27.8850658	5.83504174	49.2462958	178.307094	2150.34861	4177.59892	907.480074	7413.7347	27.3410253	328.260945	638.777139	135.110019	1129.48913	0.77847448	9.22793846	17.9354315	3.87330471	31.8151491
1666	3PMEA	NonEnzymeRegulator	3.19938694	19.2090746	20.5228378	6.85557084	49.7868702	529.843413	2970.77768	3085.76077	1042.71303	7629.0949	75.3100882	444.424316	471.824664	157.955874	1149.51494	2.20232885	12.6935504	13.3585783	4.44008093	32.6945385
1667	3D9NA	NonEnzymeRegulator	2.13943022	10.9170597	28.0143689	8.45022714	49.8477246	318.451074	1670.91859	4286.01843	1273.87122	7593.49471	49.098959	251.74267	645.988004	194.238193	1148.45558	1.40328382	7.18223788	18.3501974	5.47263428	32.614929
1668	3MVCA	NonEnzymeRegulator	1.27470424	19.8421506	20.3765926	8.35202337	49.8454708	196.067082	3049.55815	3218.71025	1317.63841	7781.9739	29.4734863	457.467896	472.396285	192.896185	1152.23385	0.84679736	12.9345201	13.2560938	5.29404457	32.3314558
1669	3BFQG	NonEnzymeRegulator	2.58619179	19.1595087	13.9120359	9.54902841	45.2067648	394.563919	2870.60306	2023.94797	1382.9354	6672.05034	59.4626022	439.156774	316.96788	217.826847	1033.4141	1.67193398	12.294313	8.79110145	6.02895736	28.7863058
1670	2YVEA	NonEnzymeRegulator	2.01101791	16.9855021	19.3293289	10.9594447	49.2852936	304.405893	2640.56954	2899.04121	1623.53404	7467.55068	46.2584077	392.524271	443.188	250.647073	1132.61775	1.32027749	11.1128186	12.4239798	7.01952248	31.8765984
1671	1D4OA	NonEnzymeRegulator	2.43514439	14.4914098	25.7286874	4.30765434	46.9628959	348.767352	2131.24718	3763.40876	617.070617	6860.49391	55.4676927	331.863585	587.929744	97.8845767	1073.1456	1.59293342	9.4028065	16.4760783	2.68851217	30.1603304

1672	1TBFA	NonEnzymeRegulator	2.59009049	13.4073226	24.0165008	9.36817866	49.3820925	398.787729	2051.83477	3628.41401	1405.34874	7484.38525	59.8852499	309.402903	552.531446	214.593704	1136.4133	1.69164068	8.78971077	15.6214958	5.95083545	32.0536827
1673	3VN3A	NonEnzymeRegulator	2.37512443	17.0732631	21.0116878	4.38876617	44.8488415	351.999286	2481.87553	3050.77401	651.970125	6536.61894	54.3066815	389.265268	478.839716	100.682392	1023.09406	1.55053935	11.0092547	13.5099055	2.8765498	28.9462494
1674	2BT9A	NonEnzymeRegulator	1.64411519	18.3760188	17.9143287	9.39256912	47.3270318	265.537089	2985.15274	2916.77257	1441.20651	7608.66891	38.2941929	428.89985	418.502737	216.310893	1102.00767	1.09253163	12.1753239	11.9138099	6.05497914	31.2366446
1675	1IUQA	NonEnzymeRegulator	2.00160886	17.7591386	22.1238653	6.20881272	48.0934255	301.563047	2744.6677	3322.97549	914.317204	7283.52345	45.9590991	410.329079	507.115435	141.717348	1105.12096	1.29893086	11.6805099	14.2010896	3.93872353	31.1192539
1676	1OQJA	NonEnzymeRegulator	0.54244643	25.2769136	20.4703021	3.22024103	49.5099031	86.6922524	3921.16787	3120.29553	483.862838	7612.01849	12.6216049	585.730771	472.151609	74.1797337	1144.68372	0.36381992	16.8061388	13.3048748	2.07321883	32.5480524
1677	3I4GA	NonEnzymeRegulator	2.476593	17.7338434	22.5575708	6.10452823	48.8725355	406.842056	2813.29749	3477.8262	930.60299	7628.56874	58.0423	412.181052	520.363221	140.471954	1131.05853	1.66202649	11.7242111	14.6457872	3.92045121	31.952476
1678	3T7LA	NonEnzymeRegulator	2.55000487	15.4871359	19.7324161	10.7843093	48.5538661	402.041079	2433.24245	2987.78043	1653.97242	7477.03639	59.3039822	359.545735	454.355756	248.55721	1121.76268	1.63899502	9.99177973	12.7633554	6.98019127	31.3743214
1679	3F6VA	NonEnzymeRegulator	5.8488023	26.6926433	9.88228658	7.0988313	49.5225635	889.965887	4081.83331	1582.99472	1064.25411	7619.04803	133.702332	612.986604	229.529557	162.387758	1138.60625	3.67100641	17.0998678	6.45952032	4.49599118	31.7263857
1680	3MOZA	NonEnzymeRegulator	2.98211278	15.8074519	26.1654494	4.38762667	49.3426408	471.079038	2524.34635	4091.71353	680.238179	7767.3771	69.1260542	367.927451	605.42752	101.106512	1143.58754	1.93630173	10.4371441	17.0590893	2.81906813	32.2516032
1681	1DD9A	NonEnzymeRegulator	4.5654139	20.9903008	17.1573664	6.01137279	48.7244539	689.201691	3248.63228	2619.07446	890.335841	7447.24428	105.125435	484.915374	395.245087	137.014508	1122.3004	2.97951488	13.6285963	11.1214949	3.76399314	31.4935992
1682	1G66A	NonEnzymeRegulator	2.64287626	11.7415608	23.5506078	5.76844341	43.7034883	391.855109	1752.57927	3508.12032	843.962973	6496.51768	60.8074502	270.005591	540.621284	131.940382	1003.37471	1.73273569	7.64197151	15.0879421	3.62807561	28.0907249
1683	2G7OA	NonEnzymeRegulator	4.30065306	25.1781177	15.4107848	3.48385746	48.373413	617.975941	3691.07766	2322.46171	531.613673	7163.12899	97.7214541	576.127579	354.129033	80.3214196	1108.29949	2.72130749	16.214224	9.94469337	2.22197298	31.1021978
1684	1OI7A	NonEnzymeRegulator	2.1973117	13.1538053	22.3188198	8.69937792	46.3693147	310.054228	1904.47235	3275.55998	1268.94686	6759.03341	49.8571735	299.772024	509.597014	198.436051	1057.66226	1.42268686	8.48475966	14.286924	5.56939231	29.7637628
1685	1I1WA	NonEnzymeRegulator	1.73622202	10.4079297	27.3596062	7.76982417	47.2735821	266.482093	1602.07948	4155.52707	1170.98371	7195.07235	39.9764058	240.163597	629.093001	178.429751	1087.66276	1.12312829	6.80183461	17.6904919	5.02174991	30.6372047
1686	2X5NA	NonEnzymeRegulator	2.33222522	15.6311657	26.7947251	3.31875489	48.0768709	342.579284	2316.71234	4011.36963	489.791842	7160.45309	53.415325	358.153359	614.368321	75.6861524	1101.62316	1.53256451	10.0888348	17.1336701	2.09471555	30.849785
1687	3S5MA	NonEnzymeRegulator	0.26385736	17.3729364	28.4131018	3.68664086	49.7365364	40.5877704	2629.19972	4309.61623	545.481587	7524.88531	6.10740634	400.017071	654.147137	84.4232829	1144.6949	0.17348636	11.3901685	18.5254147	2.35272794	32.4417975
1688	2Y6XA	NonEnzymeRegulator	2.28531283	18.5025009	20.6998259	7.50691346	48.994553	336.314097	2767.5745	3148.99287	1120.64246	7373.52392	52.197377	424.083437	475.45361	171.550978	1123.2854	1.48279101	11.8727069	13.2597868	4.70343316	31.3187178
1689	4G3OA	NonEnzymeRegulator	3.71582507	24.9150033	16.6618943	3.61564232	48.908365	554.038866	3687.25944	2529.05657	560.475774	7330.83065	85.1728105	570.261805	384.180142	83.4701997	1123.08496	2.41111342	15.9106323	10.8397149	2.31456542	31.476026
1690	2DT8A	NonEnzymeRegulator	1.7487189	12.4471066	21.4157129	12.8388924	48.4504307	253.426556	1911.93837	3254.2261	1942.89172	7362.48275	39.7636245	286.774817	491.505933	294.315756	1112.36013	1.11161464	8.10551803	13.7618712	8.20880328	31.1878071
1691	4EQPA	NonEnzymeRegulator	1.5170597	12.0334819	25.2135328	10.0011263	49.1708513	225.038819	1788.96141	3785.97477	1534.1899	7395.11487	34.7632841	276.092128	579.19559	230.62877	1129.95456	0.98273835	7.83139958	16.3013094	6.51128367	31.8862962
1692	2OFCA	NonEnzymeRegulator	1.68909643	12.9255352	24.4563291	9.45552499	48.5264858	267.037674	2031.51493	3859.92091	1466.32822	7624.80173	39.1762087	299.432581	566.904948	218.295617	1123.80935	1.11697708	8.47895969	15.9160961	6.08149891	31.5935317
1693	2RILA	NonEnzymeRegulator	2.56466021	18.749402	21.0187918	6.3484377	48.6812917	384.078148	2991.11066	3262.54099	936.705619	7574.43542	58.8415819	436.408714	485.790634	144.90539	1125.94632	1.67739408	12.4544277	13.7333956	4.00459742	31.8698148
1694	2FCJA	NonEnzymeRegulator	2.67988465	14.6990751	26.2740233	6.27045233	49.9234353	397.063864	2199.01418	4031.88956	952.329179	7580.29678	61.4827137	336.765244	604.420626	144.160586	1146.82917	1.77798787	9.47557481	16.8079103	3.98785429	32.0493273
1695	2GOMA	NonEnzymeRegulator	1.59688907	22.4503682	16.7978816	10.1371319	50.9822708	241.214883	3374.45792	2516.60572	1507.36328	7639.6418	36.5487413	513.656191	384.803155	231.715809	1166.7239	1.01783182	14.2572342	10.8033524	6.49889655	32.5773149
1696	3MJOA	NonEnzymeRegulator	6.50867155	30.1645476	10.4308883	2.28013343	49.3842409	987.215349	4625.92276	1585.83022	353.999983	7552.96832	149.985972	696.818921	240.284592	52.8170519	1139.90654	4.28824043	19.8285829	6.77445527	1.48259646	32.3738751
1697	3HLZA	NonEnzymeRegulator	3.40158532	14.1821888	16.7708889	14.4592619	48.813925	521.549228	2237.71665	2595.97809	2169.126	7524.36997	78.4711216	329.644271	387.814742	331.779866	1127.71	2.24271446	9.45193887	11.0414066	9.33277319	32.0688331
1698	1FX2A	NonEnzymeRegulator	2.05127627	13.028123	21.9741162	11.1721918	48.2257073	308.595748	1986.97254	3406.8351	1723.73778	7426.14117	47.0638072	300.169566	508.028842	257.857327	1113.11954	1.31771813	8.43760496	14.2594917	7.14814606	31.1629609
1699	3B4QA	NonEnzymeRegulator	1.10581634	17.8510609	19.2988637	8.18031258	46.4360535	166.905297	2755.06771	2950.84262	1202.82944	7075.64507	25.4220939	412.190088	444.73906	186.77165	1069.12289	0.72618215	11.6194132	12.5455396	5.2077786	30.0989135
1700	3O94A	NonEnzymeRegulator	2.54316214	13.0756495	24.9838867	7.65644774	48.2591462	379.333412	2001.45899	3847.95238	1183.39912	7412.1439	58.3673271	301.622905	576.01358	176.639587	1112.6434	1.68058766	8.62174558	16.2392716	4.93240033	31.4740052
1701	1F86A	NonEnzymeRegulator	2.5453725	15.41496	20.4933818	9.20189842	48.0615106	380.830813	2325.32456	3138.49897	1455.74606	7363.48679	58.4047235	354.54353	472.715053	213.466192	1108.50282	1.66051551	10.0594766	13.3630358	6.03876276	31.3820714
1702	2OV0A	NonEnzymeRegulator	0	6.89417133	23.2519138	17.1291784	47.2752636	0	1080.75069	3543.63986	2556.84134	7181.2319	0	160.025718	536.667331	393.229206	1089.92226	0	4.57453606	15.2328995	11.0395829	30.8470185

17032	2WUUA	NonEnzymeRegulator	2.33911346	22.0910271	21.6547787	3.59379064	49.6787099	369.831356	3493.58171	3327.80163	547.50408	7738.71877	54.5476292	513.757653	499.497952	82.8020001	1150.60523	1.57571989	14.685557	14.0813912	2.31841015	32.6610783
17041	1SVFB	NonEnzymeRegulator	15.4946004	13.4552724	11.0392528	6.44481977	46.4339454	2191.38927	1951.9377	1586.67305	902.497816	6632.49784	350.20191	306.04303	251.354819	145.89748	1053.49724	9.65054102	8.49061284	7.07788387	4.14813474	29.3671725
17051	1F1EA	NonEnzymeRegulator	2.90217852	17.980767	20.9502307	6.07937136	48.2042907	433.890582	2692.1038	3094.81717	898.596015	7162.73742	66.6106941	412.355232	477.949686	138.354498	1101.91167	1.88113174	11.6159159	13.2599993	3.77881963	30.7138689
17061	1QG8A	NonEnzymeRegulator	1.39821745	12.4896198	24.7449988	11.1377905	49.7706265	216.647538	1955.9191	3821.15648	1693.40731	7687.13042	32.4596803	289.978323	571.908815	255.833676	1150.18049	0.92027571	8.26576573	16.1715483	7.13780751	32.4953973
17073	3RFEA	NonEnzymeRegulator	1.26744282	19.5348088	23.0151996	3.55626757	47.3737188	196.749965	3041.90962	3462.68963	515.166366	7216.51558	29.2700893	451.156592	528.148622	81.3097878	1089.88509	0.84030385	12.7132405	14.7056231	2.24430549	30.5034729
17082	2PU3A	NonEnzymeRegulator	1.66202402	10.8428903	26.3095647	10.7690345	49.5835136	266.895393	1736.50083	4154.89066	1728.27712	7886.564	38.7064214	252.538018	610.921513	250.447733	1152.61368	1.10103513	7.15512324	17.2727823	6.99431736	32.523258
17091	1MTPB	NonEnzymeRegulator	1.43980084	18.1265648	16.8506107	12.1972001	48.6141765	223.675808	2868.04138	2679.52133	1919.47595	7690.71446	33.2775875	420.53846	390.152368	281.238009	1125.20642	0.9662181	12.0673958	10.8863877	7.77574884	31.6957504
17103	3ME7A	NonEnzymeRegulator	3.56680355	27.6846572	15.9896261	2.23742558	49.4785124	548.695602	4224.07609	2448.69762	408.110102	7629.57942	82.4540566	638.354695	368.658557	53.4387633	1142.90607	2.41091052	18.3477776	10.4386347	1.43848018	32.635803
17113	3H74A	NonEnzymeRegulator	1.60268317	11.4626481	24.9062739	8.93816858	46.9097737	226.000387	1674.43255	3751.21268	1378.78458	7030.43019	36.3193872	261.593048	571.703164	206.079919	1075.69552	1.0266949	7.39684263	16.0736894	5.76467609	30.2619031
17121	1ZHXA	NonEnzymeRegulator	1.70302102	13.7615777	23.174787	10.4468876	49.0862734	274.090819	2126.5887	3543.57086	1567.12895	7511.37932	39.7675771	318.157937	533.849667	239.627418	1131.4026	1.14091703	9.08477976	15.111778	6.72949053	32.0669653
17133	3FIAA	NonEnzymeRegulator	4.60361975	19.2610269	21.6002379	3.11752899	48.5824136	696.456149	3005.88836	3352.47482	483.217231	7538.03657	105.872079	445.899107	498.919899	72.2006862	1122.89177	3.03315353	12.7118683	14.0730651	2.07575358	31.8938404
17141	1QV9A	NonEnzymeRegulator	2.95627721	14.5155143	24.63962	5.28183596	47.3932474	429.583465	2130.10629	3626.88676	794.507035	6981.08354	67.4728916	331.694208	562.639653	121.106629	1082.91338	1.90835105	9.35076887	15.6110871	3.3661507	30.2363577
17153	3D3BA	NonEnzymeRegulator	2.15184806	12.3574607	23.3473571	11.4152886	49.2719545	320.650277	1874.41574	3560.86988	1724.45945	7480.39535	49.2371186	284.038827	537.391193	262.221323	1132.88846	1.39473248	8.02585042	15.1387028	7.36335898	31.9226447
17163	3OYVA	NonEnzymeRegulator	2.36573615	16.7042761	21.1575285	7.10408188	47.3316226	371.847852	2568.31309	3203.57574	1074.4987	7218.23539	54.8148536	385.542719	486.555157	163.208039	1090.12077	1.5424878	10.9153914	13.7027884	4.55668603	30.7173536
17173	3BB0A	NonEnzymeRegulator	2.22339913	13.4060639	24.1424529	7.87717007	47.649086	347.339985	2118.0326	3726.63151	1187.18737	7379.19146	51.4837725	311.320254	557.516653	180.777694	1101.09837	1.45674688	8.86830281	15.7079582	5.0136871	31.046695
17181	1RTQA	NonEnzymeRegulator	1.39050198	9.41686154	25.0732722	10.524765	46.4054006	204.309482	1417.00488	3833.05059	1573.42335	7027.7883	31.8290977	216.651035	578.172723	241.047318	1067.70017	0.90122888	6.12722428	16.2694461	6.67086177	29.968761
17191	1FK5A	NonEnzymeRegulator	0	8.38474171	23.2618726	11.8226761	43.4692905	0	1198.01742	3377.50523	1768.12205	6343.6447	0	190.584919	529.726045	269.693043	990.004007	0	5.26093377	14.5120679	7.23243708	27.0054388
17203	1L6BA	NonEnzymeRegulator	2.0582254	15.5325474	24.7634653	4.7806259	47.134864	298.312326	2283.96688	3685.50691	705.959831	6973.74595	46.9323354	354.996373	567.360636	109.104872	1078.39422	1.32504518	10.0029607	15.9834277	3.04418462	30.3556182
17212	2HEWF	NonEnzymeRegulator	1.59507752	15.9255022	24.2549167	7.29482126	49.0703178	244.350868	2401.03552	3671.24183	1094.69321	7411.32144	36.7959979	365.925479	557.909202	167.854634	1128.48531	1.05791217	10.4209566	15.6808175	4.70182332	31.8615096
17222	2PBDV	NonEnzymeRegulator	0	11.0129945	15.9816157	15.6748811	42.6694913	0	1514.79555	2328.03252	2323.3381	6166.16616	0	247.934034	363.489423	358.560235	969.983692	0	6.94910996	10.2210098	10.1218238	27.2919436
17232	2OQZA	NonEnzymeRegulator	1.65539033	13.7336317	24.8745574	9.56741534	49.8309948	252.766006	2131.24515	3851.884	1449.12282	7685.01798	38.2057511	317.596364	574.698234	220.19282	1150.69317	1.10379861	9.02321955	16.1823355	6.18142039	32.4907741
17242	2GKEA	NonEnzymeRegulator	1.18369556	13.038257	20.4073453	12.9918108	47.6211087	174.098044	1984.48684	3122.67848	1956.30554	7237.56891	27.1362962	300.493643	470.535739	298.496145	1096.66182	0.74192024	8.43378979	13.2717076	8.40719487	30.8546125
17253	3U65A	NonEnzymeRegulator	2.18908533	17.2810964	23.2800621	6.22874987	48.9789936	332.45643	2626.57077	3597.01284	956.415643	7512.45568	50.4803257	397.766465	537.507511	143.491575	1129.24588	1.44178093	11.2561601	15.2134992	4.04802289	31.9594632
17261	1RG8A	NonEnzymeRegulator	0.35922518	11.0550908	23.2213495	14.5075099	49.1431754	56.9669668	1704.96514	3586.80915	2271.24746	7619.98871	8.36307286	255.950538	536.138468	335.355758	1135.80784	0.24440024	7.37791844	15.1645398	9.33232902	32.1191875
17272	2O6NA	NonEnzymeRegulator	11.1315454	12.6348824	15.5548317	12.0254595	51.346719	1615.45618	1829.30404	2231.00275	1701.24548	7377.00845	253.725498	288.094348	353.22109	272.259225	1167.30016	7.21605242	8.20825345	9.90861948	7.55116241	32.8840878
17282	2E7ZA	NonEnzymeRegulator	1.05685563	10.3551408	24.701219	11.9753306	48.088546	157.032997	1596.63815	3767.00693	1815.46671	7336.1448	24.3999214	239.404471	569.233194	275.589566	1108.62715	0.68503413	6.74486124	16.0706018	7.78934505	31.2898422
17291	1K7JA	NonEnzymeRegulator	1.59393678	9.93736233	23.2151205	13.7662993	48.512719	235.772722	1483.81991	3454.89196	2083.37542	7257.86	36.4856351	227.876651	531.198106	316.135818	1111.69621	1.03186972	6.42776849	14.8678454	8.88408539	31.2115689
17301	1V5VA	NonEnzymeRegulator	1.81452023	14.2736419	26.3147377	7.26905424	49.6719541	273.883845	2204.19533	4074.61821	1082.79401	7635.49139	41.8594553	330.230778	608.353233	166.408021	1146.85149	1.18969731	9.42802331	17.3005451	4.65840683	32.5766726
17311	1SN9A	NonEnzymeRegulator	7.64153782	15.4355138	18.598641	9.86602527	51.5417179	1156.80353	2389.32066	2942.86677	1527.89167	8016.88264	175.721757	356.628621	431.691504	227.51861	1191.56049	4.97121262	10.1223926	12.2573728	6.36323151	33.7142095
17321	1IDPA	NonEnzymeRegulator	1.04400305	23.2536187	19.2719897	6.85219954	50.421811	172.957022	3752.91211	3056.98914	1033.65825	8016.51652	24.5575454	542.41259	447.726638	157.764895	1172.46167	0.71157711	15.4625895	12.7007444	4.44567602	33.320587
17332	2FH1A	NonEnzymeRegulator	2.28756216	14.8828453	23.1796785	7.5030801	47.853166	359.849887	2311.51257	3541.02436	1130.98949	7343.37631	53.1453993	344.520082	533.925751	172.015147	1103.60638	1.52143653	9.77374063	15.0579794	4.77065012	31.1238066

1734	1Y8AA	NonEnzymeRegulator	2.34895727	17.4421591	21.0709955	7.69157235	48.5536842	362.774035	2675.70398	3187.47549	1141.99284	7367.94635	54.3063546	402.641221	484.89589	175.959844	1117.80331	1.54666834	11.4407736	13.6803583	4.94631173	31.614112
1735	3ZYPA	NonEnzymeRegulator	1.14105599	10.6974255	24.865964	9.59244075	46.2968863	181.618525	1727.27322	3813.51754	1458.34678	7180.75606	26.5621853	249.843665	573.297235	220.705667	1070.40875	0.76872017	7.18008586	16.1545181	6.13603399	30.2393581
1736	3CKCA	NonEnzymeRegulator	1.73580664	16.4321091	25.4242612	5.17064324	48.7628203	278.639892	2597.70744	3908.22798	769.452064	7554.02737	40.3989266	381.840805	586.655197	118.497712	1127.39264	1.14103162	10.8628385	16.4651247	3.29607745	31.7650722
1737	2ABSA	NonEnzymeRegulator	1.77866731	12.8954195	23.6350786	8.13629236	46.4454577	261.958042	1937.94545	3518.16335	1205.17258	6923.23942	40.6615467	296.836328	541.695924	186.143745	1065.33754	1.14230929	8.45276556	15.2368989	5.19326178	30.0252356
1738	2CZLA	NonEnzymeRegulator	1.02278412	13.7606101	22.7419825	10.9134456	48.4388223	154.748151	2147.51904	3553.07844	1649.71113	7505.05677	23.5228292	318.345127	525.609491	250.496483	1117.97393	0.6736134	9.0522899	14.8112026	7.02322313	31.560329
1739	2V52M	NonEnzymeRegulator	3.58507011	14.3672594	21.2173351	13.6860856	52.8557502	559.530631	2198.81608	3238.74136	2085.17792	8082.26598	82.3671313	329.266263	487.39822	312.896496	1211.92811	2.24230364	9.0339463	13.5381744	8.44803884	33.2624632
1740	2I7DA	NonEnzymeRegulator	2.17265652	17.0506944	23.14038	7.73048777	50.0942187	315.888238	2642.28477	3647.73971	1217.50369	7823.41641	49.6888559	393.850711	535.627193	178.419006	1157.58577	1.40531596	11.1661891	15.0201829	4.92452422	32.5162122
1741	2WDSA	NonEnzymeRegulator	1.88685806	14.604805	20.5726815	9.08039396	46.1447384	287.898402	2232.25804	3096.36164	1333.5214	6950.03948	43.3093125	335.699352	471.009488	206.938416	1056.95657	1.21673707	9.49418828	13.2174853	5.7405961	29.6690067
1742	3I4OA	NonEnzymeRegulator	0.75046644	14.0246729	23.1433329	12.4826292	50.4011014	113.85488	2135.28349	3515.12596	1927.20861	7691.47294	17.2377395	322.097468	531.749219	287.996003	1159.08043	0.48897711	9.02093543	14.8782766	8.04630528	32.4344945
1743	3GAEA	NonEnzymeRegulator	3.71050426	18.811374	19.8914531	6.4389693	48.8523007	547.118222	2818.69708	3035.2096	960.783927	7361.80883	84.9489452	432.186654	458.336643	147.608929	1123.08117	2.4082248	12.2776436	13.0464414	4.15862567	31.8909355
1744	3B0GA	NonEnzymeRegulator	1.87419851	16.0134274	24.1297864	6.59320107	48.6106134	287.836017	2465.55486	3644.93933	972.860408	7371.19062	43.1420918	369.491072	554.569942	150.480297	1117.6834	1.19914666	10.3844546	15.6134596	4.1900507	31.3871115
1745	3ELFA	NonEnzymeRegulator	5.46472479	31.484444	7.57969076	1.83589504	46.3647546	840.5291	4711.90364	1139.3781	267.890483	6959.70133	126.327022	722.413241	173.996726	41.9427141	1064.6797	3.58745317	20.340862	4.88949342	1.18721418	30.0050228
1746	1NWWA	NonEnzymeRegulator	0	13.3228191	22.2111451	12.7002921	48.2342563	0	2038.8167	3350.61382	1921.65957	7311.09009	0	307.805506	511.127602	291.518779	1110.45189	0	8.77760989	14.5133196	8.14203018	31.4329596
1747	4DMVA	NonEnzymeRegulator	5.02213437	21.7087712	19.008517	4.18974723	49.9291698	757.310868	3293.912	2868.35995	626.614666	7546.19748	115.424818	499.878521	436.921132	95.9646132	1148.18908	3.29876247	14.2009628	12.3463223	2.68823264	32.5342802
1748	2UVKA	NonEnzymeRegulator	2.50876731	14.9046765	24.9978122	4.70537119	47.1166272	381.852293	2313.7809	3923.56176	700.595459	7319.79042	57.6892553	344.60037	579.572497	107.654252	1089.51637	1.62953008	9.82511349	16.5404541	2.99420879	30.9893065
1749	1JL1A	NonEnzymeRegulator	2.45173338	17.6871502	23.389159	5.12301796	48.6510605	355.830399	2742.57285	3664.72647	831.123089	7594.25281	56.1392281	408.53522	541.017084	119.043143	1124.73467	1.58008753	11.4947349	15.1516153	3.33257276	31.5590105
1750	1Q7LB	NonEnzymeRegulator	2.07112091	17.9252129	21.0811622	7.30852223	48.3860182	323.841663	2795.30032	3263.45624	1074.26996	7456.86818	48.1994033	415.546554	486.572281	166.624233	1116.94247	1.39532785	11.8366914	13.6456784	4.58728952	31.4649872
1751	2B97A	NonEnzymeRegulator	1.94974904	5.66339949	21.4465903	15.0995548	44.1592936	279.532516	806.136795	3077.90334	2178.69843	6342.27108	44.5715063	129.570606	489.694121	344.42304	1008.25927	1.26398614	3.63396464	13.7559146	9.68714527	28.3410107
1752	3OMYA	NonEnzymeRegulator	2.75634392	18.9439291	21.7441739	6.02528463	49.4697316	380.326081	2706.45069	3198.52936	898.383899	7183.69003	62.3646061	430.694449	496.809796	138.487605	1128.35646	1.76050532	12.0573715	13.8928461	3.89946698	31.6101898
1753	1GWEA	NonEnzymeRegulator	6.11265441	27.7955914	11.6082286	2.71925639	48.2357308	974.804059	4383.82765	1814.11243	395.993009	7568.73714	141.915547	644.340325	268.1405	61.7557042	1116.15208	3.99585308	18.1546618	7.42555904	1.68672147	31.2627954
1754	2VZPA	NonEnzymeRegulator	0.77974049	15.4309989	22.4029799	6.75407077	45.3677901	119.848173	2365.28325	3396.78399	1007.18303	6889.09844	17.96382	355.551848	514.533582	154.401628	1042.45088	0.50981835	10.0733429	14.4167709	4.28426022	29.2841923
1755	1W6SA	NonEnzymeRegulator	2.97142979	22.4791232	21.1096728	0.79618376	47.4463765	476.654312	3479.95598	3252.052	124.725385	7348.46177	69.3581601	520.543632	487.427152	18.4923341	1097.93997	1.97488058	14.8478625	13.7954423	0.52172086	31.2012923
1756	1SZ7A	NonEnzymeRegulator	1.1927656	12.5780413	20.5990385	14.1028007	48.4726461	174.171556	1875.71615	3085.99514	2133.65321	7269.53605	27.2973907	288.762889	473.156068	324.532394	1113.74874	0.77433337	8.19379776	13.3864125	9.06790639	31.42245
1757	3JWAA	NonEnzymeRegulator	3.6457596	22.2135651	17.90314	3.24012206	47.0025868	528.825854	3300.55188	2700.65481	495.588976	7025.62151	83.1971146	508.785631	410.954687	74.4993726	1077.43681	2.34485548	14.3125824	11.4826487	2.07198263	30.2120692
1758	3FPWA	NonEnzymeRegulator	7.859661	26.8243401	7.14905772	2.8284893	44.6615481	1158.35768	3947.71989	1056.38761	415.814776	6578.27996	179.254529	611.154696	162.789682	64.2551171	1017.45402	5.00200494	16.9173427	4.45486975	1.74574664	28.119964
1759	3ZXKA	NonEnzymeRegulator	2.37590326	15.657592	22.779798	7.49697483	48.3102681	388.065107	2540.73442	3567.7913	1171.69666	7668.28748	55.5586155	366.053117	527.282643	173.286006	1122.18038	1.58715875	10.4799886	14.8813992	4.84730889	31.7958554
1760	7A3HA	NonEnzymeRegulator	0.98514734	9.51661653	25.1337999	11.9739985	47.7599789	161.359416	1530.85241	3871.02632	1833.55852	7419.37149	23.0915412	222.403974	580.348549	276.047426	1105.34711	0.66451577	6.42577145	16.3714639	7.72583895	31.2849223
1761	3GBWA	NonEnzymeRegulator	1.8304743	15.9285693	23.8064533	5.56397206	47.1294689	279.952776	2507.60943	3711.28672	856.71869	7355.56762	42.2076932	369.432	551.157621	128.393766	1091.19108	1.21034192	10.5507147	15.6347599	3.58085199	30.9766686
1762	2Y39A	NonEnzymeRegulator	5.34770581	18.5452119	17.7434339	7.1474194	48.783771	815.799906	2840.04164	2666.01648	1057.60196	7379.45998	122.551173	425.396748	405.803652	163.231015	1116.98259	3.36750728	11.6863543	11.1848049	4.52854865	30.7672151
1763	3CQLA	NonEnzymeRegulator	1.41604345	10.9706503	26.7938412	8.36954166	47.5500766	228.936661	1751.69373	4240.01709	1309.38299	7530.03047	33.0707934	255.459125	622.648862	193.846277	1105.02506	0.94823611	7.28718347	17.655748	5.42464552	31.3158131
1764	1N13B	NonEnzymeRegulator	4.93455666	13.8238216	17.999496	10.6060724	47.3639466	721.730464	2031.411	2676.30125	1559.7433	6989.18602	113.099109	316.711872	413.488257	242.803752	1086.10299	3.21745322	8.96807497	11.7675792	6.86796729	30.8210747

1765	2VPAA	NonEnzymeRegulator	11.0756546	21.8905706	13.5977757	2.26762024	48.8316211	1725.13322	3418.75889	2121.02147	419.384642	7684.29822	256.094396	505.444244	314.037422	54.5709869	1130.14705	7.2629745	14.1490925	8.73857818	1.51814043	31.6687856
1766	1F46A	NonEnzymeRegulator	3.51841292	15.5856271	23.6330885	5.18214601	47.9192746	534.742156	2359.57163	3536.47789	768.001944	7198.79361	81.3934729	358.98971	542.227942	118.434641	1101.04577	2.33813043	10.1805537	15.1666581	3.26564645	30.9509887
1767	2Y7EA	NonEnzymeRegulator	0.521126	8.98572236	24.0848492	14.5257783	48.1174758	80.4957443	1363.28768	3636.35901	2188.3667	7268.50913	11.9934487	206.59539	553.267544	333.130088	1104.98647	0.33466096	5.83709341	15.5853843	9.30386386	31.0610025
1768	1NF8A	NonEnzymeRegulator	2.04627173	11.6224633	23.9987075	10.7679589	48.4354015	309.91917	1797.45383	3726.25917	1680.78044	7514.41261	47.1601632	268.413858	554.433047	248.886896	1118.89396	1.3476798	7.61366002	15.5421194	6.92527412	31.4287333
1769	3UR8A	NonEnzymeRegulator	2.40950228	12.5986602	30.0222555	3.34736773	48.3777857	360.739958	1923.79034	4628.75445	537.857521	7451.14227	55.4872138	291.082202	692.782099	77.6642979	1117.01581	1.59340162	8.35861201	19.5229665	2.11938376	31.5943638
1770	3JUDA	NonEnzymeRegulator	4.85787154	29.0374565	13.6096107	1.5209312	49.0258699	769.616915	4594.01991	2179.56197	214.832809	7758.0316	112.835263	673.484296	316.397755	34.5374811	1137.2548	3.2166534	18.9944675	8.84831602	0.95096307	32.0104
1771	2DXUA	NonEnzymeRegulator	3.87023775	20.466437	22.7664174	1.92414632	49.0272384	569.596828	3067.36709	3356.2889	281.379985	7274.6328	88.4912085	469.385223	520.242979	43.8565029	1121.97591	2.53850877	13.3298511	14.6772092	1.22929897	31.774868
1772	2BKXA	NonEnzymeRegulator	1.55179518	8.30070863	25.1576523	13.1004062	48.1105622	225.661406	1242.90688	3802.20489	1967.79377	7238.56695	35.3943477	190.400368	577.538214	299.932771	1103.2657	1.0079695	5.37174072	16.1155268	8.28926729	30.7845043
1773	2XRYA	NonEnzymeRegulator	1.67182755	13.0986011	22.580374	12.033076	49.3838786	263.138718	2047.67115	3494.26918	1846.52219	7651.60124	38.7765216	303.90138	522.233044	277.152201	1142.06315	1.09256719	8.65378017	14.8926874	7.79825505	32.4372898
1774	1NNXA	NonEnzymeRegulator	3.69337775	23.5790169	19.4471735	1.16509971	47.8846679	542.720257	3494.26345	2966.46987	175.258972	7178.71255	84.1952164	538.567205	446.868537	26.6742428	1096.3052	2.35925213	15.0558465	12.4667369	0.71772122	30.5995568
1775	3PN3A	NonEnzymeRegulator	2.18551811	13.4163635	23.362826	10.0632831	49.0279907	343.979878	2038.04795	3476.89171	1485.79155	7344.71108	50.7168903	309.311837	535.62802	229.940705	1125.59745	1.4319339	8.78228122	15.1157221	6.39388768	31.7238249
1776	2J5GA	NonEnzymeRegulator	1.7915882	19.4009981	24.9062277	2.99434117	49.0931551	267.260951	2977.65757	3855.86484	460.291289	7561.07465	41.1135643	447.36511	574.835769	68.8214567	1132.1359	1.17343008	12.6806082	16.1770798	1.90692062	31.9380386
1777	2XHFA	NonEnzymeRegulator	1.84973852	10.5971821	29.0777792	6.78779094	48.3124908	277.830368	1619.62013	4455.29696	1007.21702	7359.96449	42.6543808	244.318235	670.63729	155.339354	1112.94926	1.22114794	6.91448107	18.9679544	4.33225883	31.4358423
1778	3BS1A	NonEnzymeRegulator	2.48512214	16.2820695	23.168332	8.45190502	50.3874287	404.307803	2596.28336	3592.72205	1260.92801	7854.24122	58.2783108	378.674303	535.020987	193.274053	1165.24765	1.68760611	10.7214262	15.0708824	5.3134359	32.7933506
1779	2ZOUA	NonEnzymeRegulator	1.84591943	10.8173406	24.5943671	11.6619321	48.9195593	270.786225	1668.21419	3780.59501	1799.62159	7519.21701	42.1796689	249.679829	567.474654	269.136378	1128.47053	1.21124777	7.12916268	15.911325	7.51034641	31.7620818
1780	2ZFDB	NonEnzymeRegulator	2.23265386	13.8820741	22.2509423	11.4799635	49.8456338	336.021342	2153.62527	3402.11314	1761.80979	7653.56954	51.2316946	321.038887	512.282122	264.32827	1148.88097	1.4300566	9.06570366	14.3797463	7.38263046	32.2581371
1781	3RPCA	NonEnzymeRegulator	0.68690396	9.66784929	22.5519413	15.0352564	47.941951	104.796829	1487.38341	3376.94259	2249.80306	7218.92588	15.7771729	222.885752	516.693088	344.776319	1100.13233	0.43867993	6.31427879	14.5332495	9.70708753	30.9932958
1782	3QM9A	NonEnzymeRegulator	0.68658422	9.71441986	26.9932705	10.151064	47.5453386	99.2872166	1413.01701	4056.66528	1523.29883	7092.26834	15.6507881	221.557761	619.751565	232.990314	1089.95043	0.44639297	6.3062101	17.5414532	6.58079451	30.8748507
1783	3D7JA	NonEnzymeRegulator	3.58768944	17.969329	16.9210542	9.19097578	47.6690484	540.048629	2730.62577	2618.92047	1443.32728	7332.92216	82.2014192	412.586792	389.635604	212.47325	1096.89707	2.31576142	11.5870425	10.8477038	5.90160001	30.6521078
1784	1I24A	NonEnzymeRegulator	2.53670882	21.7446909	22.7471314	1.30814923	48.3366804	392.974256	3335.03662	3468.68474	196.130171	7392.82579	58.6537493	501.467125	523.983363	29.8384883	1113.94273	1.65513368	14.1202915	14.80635	0.81375558	31.3955307
1785	1G2YA	NonEnzymeRegulator	1.55838177	13.6962245	21.0747086	10.8369971	47.1663121	216.697287	1902.99368	2917.27916	1507.08124	6544.05137	35.2414322	309.514091	475.627151	245.282825	1065.6655	0.99767802	8.68527052	13.3747675	6.838565	29.8962811
1786	3MT0A	NonEnzymeRegulator	4.62822743	27.2824331	13.4486346	2.27949379	47.6387889	666.685464	4062.04139	2037.98047	345.476787	7112.18412	105.293579	623.600475	308.557618	52.2892256	1089.7409	2.99776302	17.4625822	8.53898393	1.448619	30.4479482
1787	3FYMA	NonEnzymeRegulator	2.51824929	31.4573392	13.8458899	1.77940071	49.6008791	397.493157	4737.87605	2075.60279	293.255239	7504.22724	58.5205432	721.096356	316.89214	41.8031447	1138.31218	1.68028216	20.0288502	8.69842315	1.17989279	31.5874483
1788	3P0BA	NonEnzymeRegulator	2.08811304	17.5339486	25.0600602	4.60180073	49.2839226	331.193605	2781.68106	3957.20815	725.557071	7795.63989	48.5555777	407.495817	580.415681	106.422043	1142.88912	1.39609744	11.6076376	16.2690824	2.95680775	32.2296252
1789	2XWSA	NonEnzymeRegulator	3.48232655	20.748924	21.2821714	3.94740617	49.4608281	514.904202	3151.36139	3279.70529	620.091094	7566.06197	79.8119758	477.606707	491.141642	91.466002	1140.02633	2.30295561	13.4798215	13.7585109	2.60525387	32.1465418
1790	2UXYA	NonEnzymeRegulator	5.72852253	24.3425513	15.9704012	1.81868365	47.8601586	873.096474	3740.5928	2440.29999	278.100596	7332.08986	132.234081	563.296461	367.552444	41.811379	1104.89437	3.77461323	15.960468	10.1928935	1.15649852	31.0844731
1791	1XRKA	NonEnzymeRegulator	3.58081517	26.7539054	16.2881659	1.1992626	47.822149	577.584712	4210.59428	2514.97911	166.034949	7469.19306	83.5345575	620.579293	375.813927	27.0144189	1106.9422	2.36251331	17.6815276	10.5390022	0.76106986	31.344113
1792	2FSQA	NonEnzymeRegulator	1.25279816	10.1755083	24.6938904	12.7027565	48.8249532	197.581004	1591.26624	3882.15374	1985.00231	7656.00329	29.0366743	235.711953	572.089525	294.066667	1130.90482	0.81912661	6.69985195	16.1724403	8.30843624	31.9998551
1793	3VEJA	NonEnzymeRegulator	1.27736543	16.5570758	24.5106018	7.40543924	49.7504822	191.143482	2540.58421	3750.08017	1138.20644	7620.0143	29.4522324	381.597731	564.609735	170.712813	1146.37251	0.82016782	10.6973836	15.9246877	4.84493679	32.2871759
1794	3F6YA	NonEnzymeRegulator	3.40557233	17.7819569	25.1588734	2.62205896	48.9684616	540.129414	2735.63538	3866.0824	427.696057	7569.54325	79.1724538	410.917079	580.632688	61.1724478	1131.89467	2.27217744	11.6638894	16.3464981	1.69790265	31.9804676
1795	3E8OA	NonEnzymeRegulator	2.36334805	18.1142196	20.9365749	5.63093097	47.0450735	354.04144	2773.54174	3197.52723	820.885882	7145.99629	54.1944568	416.854236	481.09572	128.249872	1080.39429	1.53979863	11.7478899	13.4037975	3.55101144	30.2424975

17962	CCVA	NonEnzymeRegulator	2.43224615	16.8060955	18.9483619	10.129619	48.3163225	373.218551	2560.99232	2958.53774	1570.77568	7463.5243	56.0819555	387.393575	437.929078	233.806722	1115.21133	1.57800719	11.0321639	12.2998363	6.50871594	31.4187233
17972	PNDA	NonEnzymeRegulator	2.96793351	19.1123474	22.9753839	4.96593165	50.0215965	454.322386	2921.70541	3591.58069	798.048722	7765.65721	68.4441283	439.842902	530.320551	115.391129	1153.99871	1.94937597	12.4434021	14.7707479	3.23046998	32.393996
17984	EQAC	NonEnzymeRegulator	1.9708104	16.2258038	20.9675365	8.03003681	47.1941876	314.553756	2551.57778	3216.68686	1191.47388	7274.29228	45.9648334	376.411602	483.158056	183.858833	1089.39332	1.32076848	10.6894366	13.4503355	5.02905014	30.4895907
17992	AYDA	NonEnzymeRegulator	2.72528117	12.9498174	19.8783114	13.9756919	49.5291019	432.167899	2056.39722	3146.80138	2145.68517	7781.05167	63.1299776	300.61562	460.754032	322.558759	1147.05839	1.77557704	8.50396656	12.9274356	8.9685572	32.1755364
18003	NNBA	NonEnzymeRegulator	2.0199539	16.6833148	27.6887396	2.34308722	48.7350955	310.495992	2582.08886	4269.20072	358.8317	7520.61728	46.6893424	385.355171	638.96752	54.0107356	1125.02277	1.32887516	10.893156	18.0725125	1.52462581	31.8191695
18011	Y43B	NonEnzymeRegulator	2.56342476	10.1413824	23.6176699	8.75755936	45.0800364	427.310301	1561.94126	3460.52952	1233.819	6683.60007	60.3227921	234.659147	540.689763	198.430517	1034.10222	1.75797667	6.70854263	15.1499369	5.44112937	29.0575855
18021	T1VA	NonEnzymeRegulator	2.1284327	9.00980437	22.649943	14.9008666	48.6890467	325.301592	1372.68778	3384.27023	2180.96135	7263.22095	49.1032569	207.680466	518.793455	339.315734	1114.89291	1.3941345	5.86623592	14.4481584	9.31569669	31.0242255
18033	DFFA	NonEnzymeRegulator	2.30730845	12.983186	25.688602	6.81522476	47.7943212	360.919209	2032.72031	3978.42652	1058.62334	7430.68938	53.3395561	300.066925	591.971919	156.914172	1102.29257	1.49625097	8.44204842	16.5293463	4.30772983	30.7753755
18041	OD6A	NonEnzymeRegulator	1.20916436	12.6214893	26.1755028	8.60600209	48.6121585	187.666228	1884.69421	3975.14629	1311.59864	7359.10537	27.9720496	288.937076	602.07387	197.795241	1116.77824	0.79764709	8.14712776	16.9989741	5.5375625	31.4813114
18053	P0KA	NonEnzymeRegulator	2.77327026	17.3992456	21.3742454	8.90345962	50.4502209	435.215271	2710.744	3267.84711	1353.31842	7767.1248	64.6418706	404.315252	493.670373	205.054827	1167.68232	1.87756928	11.6609458	13.9852327	5.74742113	33.2711689
18063	T2CA	NonEnzymeRegulator	8.44622047	34.0018661	3.39587375	2.5463974	48.3903577	1273.67319	5237.2165	506.966003	390.533702	7408.38939	194.059255	785.480449	77.8489512	58.7233342	1116.11199	5.4876577	22.2591001	2.18861085	1.6561069	31.5914755
18072	INWA	NonEnzymeRegulator	7.78917516	30.1793782	6.65634839	2.92206757	47.5469693	1243.14597	4693.82502	1034.04917	405.634398	7376.65456	181.336983	697.869816	153.575599	66.0106907	1098.79309	5.18098809	19.6671941	4.24181396	1.83812393	30.9281201
18083	FCNA	NonEnzymeRegulator	9.52097917	21.7575617	13.475741	4.12324955	48.8775314	1470.17321	3440.80681	2041.34749	622.131403	7574.45892	219.27497	504.331827	309.067172	94.079903	1126.75387	6.17349561	14.214167	8.59235805	2.55130439	31.531325
18093	K6MA	NonEnzymeRegulator	2.40893814	17.0457426	21.1843005	7.02223732	47.6612185	355.16782	2527.68673	3162.74182	1032.35309	7077.94946	55.2293877	390.531639	485.577319	160.557397	1091.89574	1.54688723	11.0113803	13.6690633	4.53431078	30.7616417
18103	RM3A	NonEnzymeRegulator	3.10731218	16.4921749	25.9076859	2.05224292	47.5594159	454.868501	2525.90621	3930.01197	302.386945	7213.17363	71.1002289	380.494528	596.360383	47.148777	1095.10392	2.02511947	10.7928164	16.8041424	1.32508557	30.9471638
18113	MD9A	NonEnzymeRegulator	1.75799021	12.1671839	21.3364883	11.2770055	46.538668	248.722751	1745.08436	3114.12363	1631.12716	6739.0579	40.0184865	276.878849	486.764786	257.050955	1060.71308	1.1273597	7.72099492	13.6116537	7.20610714	29.6661154
18122	VN6A	NonEnzymeRegulator	3.07566802	21.3068252	17.3770165	4.32574005	46.0852498	460.820234	3181.75771	2467.71143	606.866837	6717.15621	70.7051587	489.515052	394.594334	97.8485792	1052.66312	2.04100358	14.0378565	11.0902272	2.75840149	29.9274887
18133	A38A	NonEnzymeRegulator	1.15369026	10.7839677	18.750254	15.6295545	46.3174664	194.362019	1735.62717	2865.93883	2334.70691	7130.63492	27.3395481	252.070966	432.303887	357.688939	1069.40334	0.78240976	7.1515698	12.1851437	9.90567698	30.0248003
18142	FQ3A	NonEnzymeRegulator	1.27618357	14.1191219	27.7662345	7.69440591	50.8559459	208.118949	2275.93841	4405.77196	1206.56156	8096.39088	29.8285314	329.621797	644.780697	178.3569	1182.58793	0.85069902	9.43154169	18.2629525	5.04008044	33.5852736
18154	GA2A	NonEnzymeRegulator	7.40028606	23.3263581	16.5032007	2.80524993	50.0350947	1151.45279	3582.45289	2506.125	392.552833	7632.58351	170.997945	538.704887	379.186177	63.4714655	1152.36048	4.8127701	15.3428764	10.6463022	1.73342455	32.5353732
18162	W6AA	NonEnzymeRegulator	11.0849259	14.1307732	15.6292946	8.67467621	49.5196699	1564.92019	2058.88343	2311.81837	1273.78765	7209.40964	251.209165	321.231144	357.126286	197.652864	1127.21946	6.94927109	8.91990414	9.99929922	5.46995408	31.3384285
18173	MZ0A	NonEnzymeRegulator	3.57500518	21.336264	21.6905981	1.51742405	48.1192913	552.186767	3242.58596	3158.47054	237.94558	7191.18885	82.5728784	490.886583	494.344944	34.9499013	1102.75431	2.33618836	13.8256024	13.8225924	0.97063944	30.9550226
18184	GQ4A	NonEnzymeRegulator	3.47663669	24.2612412	18.0941635	2.87184247	48.7038839	546.674393	3768.40531	2734.86462	414.127634	7464.07195	80.9550099	561.093685	415.515732	65.347924	1122.91235	2.32467727	15.89475	11.7301214	1.81989288	31.7694416
18192	V76A	NonEnzymeRegulator	0	10.7852404	27.7231412	10.161747	48.6701286	0	1721.34672	4323.89554	1526.93679	7572.17906	0	251.060577	641.149908	232.905406	1125.11589	0	7.21175689	18.0398383	6.47185647	31.7234517
18203	V1AA	NonEnzymeRegulator	3.18876257	17.6671783	15.4483474	12.3509969	48.6552852	481.276284	2716.94577	2389.4206	1860.9672	7448.60985	73.2472012	407.084675	356.619864	283.241708	1120.19345	2.07876905	11.3642317	9.94858374	7.75073884	31.1423234
18212	CCQA	NonEnzymeRegulator	1.01393743	9.9288232	21.8013241	15.9496207	48.6937054	150.977367	1481.93641	3276.85631	2382.01359	7291.78367	23.3130881	228.185551	499.968024	365.14295	1116.60961	0.67511487	6.51018438	14.0594587	10.1725652	31.4173232
18221	X54A	NonEnzymeRegulator	5.80407155	20.5598859	18.7481352	4.86380564	49.9758983	918.055056	3181.92014	2886.45901	718.302692	7704.7369	134.632929	474.923313	433.070409	111.074656	1153.70131	3.82838811	13.434429	12.3057519	3.1226891	32.6912581
18231	OI0A	NonEnzymeRegulator	2.77474578	14.5769447	26.9030991	4.22144131	48.4762308	442.816189	2236.77794	4079.06867	610.771306	7369.4341	64.6287503	337.172105	619.855607	96.6853579	1118.34182	1.85833784	9.67707501	17.5452542	2.73719352	31.8178606
18243	DB7A	NonEnzymeRegulator	2.78463548	11.4604597	22.1919865	13.0203872	49.4574689	413.537335	1731.85222	3353.40077	1937.16789	7435.95821	63.7609297	263.483637	510.09276	298.561359	1135.89869	1.79147889	7.46324473	14.4426756	8.40443315	32.1018323
18252	VFKA	NonEnzymeRegulator	2.41174009	12.1318684	24.5883437	10.0028891	49.1348413	369.812908	1843.55016	3697.68592	1499.60853	7410.65751	55.6923404	280.017041	564.70723	229.513948	1129.93056	1.60369793	8.01965627	15.9838258	6.45798055	32.0651605
18262	R4QA	NonEnzymeRegulator	1.83715711	9.75776428	24.8348359	10.9769457	47.4067029	259.827346	1405.00511	3646.49869	1594.73354	6906.06468	41.616236	221.626043	566.234517	249.84131	1079.31811	1.17931541	6.22888147	15.7456107	6.92365413	30.0774617

1827	3CP7A	NonEnzymeRegulator	2.36080091	11.390221	25.4792186	5.72652756	44.9567681	367.481116	1822.98602	4018.77714	868.806279	7078.05056	54.6575913	265.842635	591.841787	131.834932	1044.17695	1.54343456	7.62889335	16.6840479	3.66552371	29.5218995
1828	1E2WA	NonEnzymeRegulator	7.5143924	20.0722194	14.1233263	5.77143922	47.4813773	1158.53369	3002.52277	2054.48815	821.114142	7036.65875	173.575606	460.875139	322.098009	130.790777	1087.33953	4.89464883	13.0515098	9.08505567	3.6429689	30.6741832
1829	3IP0A	NonEnzymeRegulator	1.80184968	7.45832013	24.5957036	14.899285	49.0473776	263.279426	1151.00834	3762.01106	2270.51085	7491.48218	41.2479316	172.744466	566.73942	342.563794	1130.02439	1.17952199	4.9456794	16.0196869	9.57226319	31.9019515
1830	2XUVA	NonEnzymeRegulator	4.21428039	15.9844273	24.5927918	2.7522078	47.5437072	723.689866	2478.8324	3590.66202	376.86824	7170.05252	100.35685	371.770696	563.422694	61.9974681	1097.54771	2.94871471	10.6657309	15.7620635	1.67656095	31.05307
1831	3EKIA	NonEnzymeRegulator	2.87985561	17.5133662	23.9045592	5.15928285	49.4570638	442.295104	2697.15976	3692.94871	789.597257	7622.00083	66.5135228	404.746014	551.984034	118.730246	1141.97382	1.89436269	11.5895252	15.6762576	3.33011463	32.4902601
1832	2DDRA	NonEnzymeRegulator	3.27112144	18.7060917	24.2829297	1.94456259	48.2047055	488.614894	2828.61445	3706.64115	319.233586	7343.10408	75.1859351	430.365994	559.373221	45.6192316	1110.54438	2.12576474	12.1887244	15.7272206	1.3125922	31.3543019
1833	3SGZA	NonEnzymeRegulator	2.24771521	18.3733809	23.4009518	4.22082053	48.2428684	341.830351	2770.38816	3537.27682	646.333521	7295.82885	51.9040366	422.023016	537.529967	97.0748168	1108.53184	1.48708195	11.9457209	15.0609196	2.69181102	31.1855334
1834	2V1QA	NonEnzymeRegulator	0.793803	16.4605201	23.6080707	8.17324501	49.0356388	121.651842	2544.0638	3577.0113	1232.94927	7475.67621	18.4889695	381.512787	544.450983	188.24344	1132.69618	0.53078641	11.0021758	15.5132857	5.29703291	32.3432808
1835	1P9IA	NonEnzymeRegulator	12.0094476	13.4012254	9.92558583	13.0585114	48.3947702	1701.71969	1865.86392	1379.15601	1823.96041	6770.70002	271.742322	302.553002	224.166419	295.061756	1093.5235	7.53632761	8.43465443	6.33057162	8.27837684	30.5799305
1836	3OHEA	NonEnzymeRegulator	2.60812813	11.062086	25.8983776	9.15771867	48.7263105	422.244408	1711.40363	3934.54714	1443.34176	7511.53695	60.7860297	255.173784	595.257136	212.503622	1123.72057	1.74574956	7.21201751	16.6781679	5.98952942	31.6254644
1837	3LJMA	NonEnzymeRegulator	10.1976634	13.4852391	12.1251856	13.6173069	49.425395	1433.32168	1915.78989	1764.08902	2057.63672	7170.8373	230.771581	306.043935	276.330079	313.023698	1126.16929	6.46022554	8.57767457	7.77749023	8.80795937	31.6233497
1838	2QR6A	NonEnzymeRegulator	2.85255067	21.0306438	19.6438779	3.16937371	46.6964461	418.36002	3165.96914	2962.8637	499.218685	7046.41154	65.1005603	482.60526	450.078091	73.2073544	1070.99127	1.83724482	13.6047194	12.528904	2.01225248	29.9831207
1839	1GKMA	NonEnzymeRegulator	3.61962482	16.4819455	18.1958361	8.25429468	46.5517011	547.714802	2409.39024	2709.941	1223.68003	6890.72607	83.1677728	376.028455	416.277952	188.700157	1064.17434	2.34596595	10.5231136	11.6214757	5.2471282	29.7376834
1840	4F1VA	NonEnzymeRegulator	2.24203042	13.209339	20.6340674	9.41937023	45.504807	331.422587	2017.18707	3155.5943	1426.53691	6930.74086	51.2929717	304.603664	475.357875	216.197993	1047.4525	1.44576343	8.67866818	13.433226	6.0153318	29.5729894
1841	2OY9A	NonEnzymeRegulator	1.87549169	19.290599	21.8650734	7.46848569	50.4996499	310.904226	3000.77338	3339.85173	1104.88992	7756.41925	44.1544253	446.089646	503.016278	170.866192	1164.12654	1.2871027	12.6147181	14.0412803	4.80742218	32.7505232
1842	3SO6A	NonEnzymeRegulator	1.73383596	21.188779	20.8445747	4.69100219	48.4581919	271.215848	3137.11298	3083.08407	743.009297	7234.42219	40.3494966	485.400824	476.628716	109.076251	1111.45529	1.1569692	13.7889329	13.3415478	3.14328686	31.4307367
1843	3PIWA	NonEnzymeRegulator	2.29173653	21.2170449	22.3335358	3.92021203	49.7625293	344.583082	3254.9458	3455.80433	583.988574	7639.32178	52.7368985	489.404704	516.031129	89.4866255	1147.65936	1.50952282	13.8948977	14.476077	2.41065684	32.2911544
1844	1UWCA	NonEnzymeRegulator	2.12823337	7.97689702	22.7382105	13.7676121	46.610953	332.750805	1245.24608	3488.1149	2065.03534	7131.14712	49.3182344	184.852578	525.147683	316.299673	1075.61817	1.39765468	5.23903833	14.8082413	8.81457647	30.2595108
1845	1VMHA	NonEnzymeRegulator	2.61856949	19.4147147	17.6486036	8.28988272	47.9717705	402.490138	2940.47908	2634.0929	1231.93588	7208.998	60.6694246	446.80405	404.176376	189.659879	1101.30973	1.75902707	12.6611934	11.3539572	5.29795574	31.0721334
1846	2VE8A	NonEnzymeRegulator	3.59604209	28.1606613	13.4082861	2.84719257	48.0121821	540.415582	4175.89934	1994.51758	427.483135	7138.31564	82.4326001	644.533734	306.885733	65.0212598	1098.87333	2.29213896	17.8194246	8.40564411	1.75057296	30.2677806
1847	3ZWUA	NonEnzymeRegulator	1.65775144	9.57082977	23.6164438	12.246724	47.091749	251.909438	1479.47047	3674.08502	1905.60713	7311.07206	38.2234555	221.30474	545.604295	282.633111	1087.7656	1.06488163	6.2452146	15.2886059	7.83177325	30.4304754
1848	1RTTA	NonEnzymeRegulator	2.35230494	18.1457599	22.5223383	4.37357408	47.3939772	342.312068	2702.70801	3421.09443	680.715906	7146.83041	53.7313254	415.692141	517.520869	101.321929	1088.26626	1.54139278	11.7083938	14.463615	2.87296478	30.5863663
1849	3SZUA	NonEnzymeRegulator	2.31294423	14.4120284	19.8214728	11.0312807	47.5777262	343.663495	2152.59765	2947.78452	1643.64421	7087.68987	52.7686169	329.906133	453.324122	252.47625	1088.47512	1.44347012	9.15346586	12.654608	7.05989166	30.3114356
1850	2CC6A	NonEnzymeRegulator	6.3292205	18.9075757	12.7895978	9.28680067	47.3131946	901.262471	2790.00754	1911.0781	1393.33154	6995.67965	143.474416	432.146478	293.135203	213.025561	1081.78166	3.96848329	12.0489933	8.21217841	5.99832542	30.2279804
1851	3OBLA	NonEnzymeRegulator	0.71544585	16.7927696	21.8426624	6.73659104	46.0874689	101.415912	2563.33776	3329.74372	1112.00724	7106.50463	16.2823321	387.416667	502.693445	157.969712	1064.36216	0.46154835	10.9925765	13.9904739	4.46000115	29.9046
1852	4EQBA	NonEnzymeRegulator	2.26620454	16.6495677	24.0860591	6.18316422	49.1849956	369.193702	2545.03665	3626.82538	919.904397	7460.96013	53.1713462	385.168147	554.643608	141.843461	1134.82656	1.54711568	11.0107469	15.7987963	3.99463013	32.351289
1853	2QFAC	NonEnzymeRegulator	12.1222445	12.4257476	13.0361169	11.8800091	49.4641181	1795.62484	1853.5354	1930.97887	1827.596	7407.7351	279.517767	285.932935	298.453426	274.130486	1138.03461	7.92889755	8.12329737	8.34472656	7.65357548	32.050497
1854	3LLOA	NonEnzymeRegulator	1.91584583	11.8135929	26.2525763	8.06745449	48.0494695	291.70484	1798.15814	3954.68324	1199.05584	7243.60205	44.2727922	272.670252	603.986447	184.787192	1105.71668	1.29296523	7.8801927	17.1538055	5.18104536	31.5080088
1855	2ODIA	NonEnzymeRegulator	1.51772277	8.72793197	23.9132485	15.5507375	49.7096407	236.181022	1310.47482	3619.6753	2373.37517	7539.70631	35.011834	200.08343	549.304562	357.982353	1142.38218	0.99338672	5.65450114	15.4863589	10.1205026	32.2547493
1856	3H7IA	NonEnzymeRegulator	2.51823732	15.1751567	20.8052578	11.5548528	50.0535046	377.289994	2346.83952	3217.98829	1733.39878	7675.51658	57.8990562	351.037875	480.925093	265.577821	1155.43984	1.64346546	10.0550979	13.6693617	7.49562894	32.863554
1857	4AF8A	NonEnzymeRegulator	2.87182799	22.4442587	20.2228568	1.85912201	47.3980655	444.2373	3377.89256	3068.6578	263.810665	7154.59833	66.6580303	516.222505	464.939169	42.1360032	1089.95571	1.9239746	14.5492957	13.0129507	1.15842474	30.6446457

1858	1GCIA	NonEnzymeRegulator	1.44022601	8.98229644	24.9266567	8.69496514	44.0441443	206.397648	1304.89812	3728.04319	1284.8774	6524.21635	32.7087545	204.557492	570.334341	198.473427	1006.07401	0.91120619	5.71151834	15.8481199	5.49349107	27.9643355
1859	2F9HA	NonEnzymeRegulator	1.19328799	11.9947491	29.868689	4.5942582	47.6509843	177.50462	1810.05316	4447.35347	663.576136	7098.48739	27.3376464	275.634741	683.696629	104.46957	1091.13859	0.78414038	7.85933985	19.2345987	2.87224914	30.7503281
1860	3N08A	NonEnzymeRegulator	2.41247089	10.9832617	24.0646851	10.2102208	47.6706385	388.629816	1716.25294	3617.41392	1513.10367	7235.40034	56.5426137	255.213899	553.563745	233.608491	1098.92875	1.66402321	7.35873449	15.7169876	6.48912642	31.2288718
1861	2X9ZA	NonEnzymeRegulator	2.21182321	14.2051099	21.9709686	8.8349738	47.2228755	346.616047	2143.08766	3243.5736	1284.33434	7017.61165	51.235627	326.402221	502.086833	201.186761	1080.91144	1.44623777	9.21711935	14.0926078	5.59579274	30.3517576
1862	3RJPA	NonEnzymeRegulator	1.08805884	16.7376195	23.0384191	9.69312431	50.5572217	160.132641	2525.45932	3466.55782	1466.43807	7618.58784	24.9218553	385.106194	528.748097	222.749014	1161.52516	0.71110234	10.8783547	14.7128422	6.19093891	32.4932382
1863	1WZDA	NonEnzymeRegulator	0.96441624	11.485414	23.5618345	12.8970834	48.9087482	157.659808	1830.82561	3590.6572	1968.59404	7547.73666	22.5441336	267.053797	541.956452	296.327312	1127.8817	0.64173121	7.60471975	15.2027772	8.23460053	31.6838287
1864	1UI0A	NonEnzymeRegulator	1.9729385	12.6311528	26.6122389	7.75618235	48.9725126	291.921529	1923.45859	4047.38726	1165.54686	7428.31425	45.2785256	291.128075	611.846467	177.700736	1125.9538	1.2984521	8.29850812	17.20848	4.88806646	31.6935067
1865	3F7LA	NonEnzymeRegulator	1.56471585	9.11017214	23.8474398	10.5861704	45.1084983	253.053848	1404.48163	3524.33299	1548.9942	6730.86267	36.3880505	209.7392	544.071278	240.932529	1031.13106	1.02631211	5.8440163	14.9994026	6.58044813	28.4501792
1866	1M2DA	NonEnzymeRegulator	2.38587986	23.7620221	17.7701173	3.64989322	47.5679125	371.102516	3602.91876	2677.58948	576.586241	7228.19699	55.3845957	547.696918	408.77895	84.6715283	1096.53199	1.60733807	15.524782	11.4114626	2.34136477	30.8849474
1867	1N08A	NonEnzymeRegulator	2.22107039	11.0745679	25.6842947	10.7186505	49.6985834	342.004973	1691.32826	3934.00745	1661.85995	7629.20064	51.6581767	255.75214	592.039227	247.922936	1147.37248	1.49445409	7.27525672	16.6761737	7.02324978	32.4691343
1868	1GP0A	NonEnzymeRegulator	1.8989956	18.584643	19.5304019	6.82792199	46.8419625	295.850338	2856.99989	2961.41458	1022.0519	7136.31671	44.0489239	429.773096	449.872617	156.608675	1080.30331	1.28004448	12.2327866	12.6352622	4.36191618	30.5100094
1869	2J6GA	NonEnzymeRegulator	4.13407501	23.5246064	13.5129662	4.97408464	46.1457323	625.087148	3547.16842	2000.05288	744.68344	6916.99189	95.0712451	540.627035	309.096258	113.912975	1058.70751	2.72253778	15.3030603	8.64533002	3.15204009	29.8229681
1870	1VKEA	NonEnzymeRegulator	3.89482166	15.8941155	21.075628	8.42809778	49.292663	606.660467	2361.81722	3155.2659	1256.9684	7380.71199	89.960782	363.839844	482.744167	192.512496	1129.05729	2.51235022	10.1788203	13.4857559	5.3409071	31.5178335
1871	4GNRA	NonEnzymeRegulator	2.1701228	15.4064253	20.9200698	7.67665613	46.173274	326.113229	2306.09502	3082.70109	1102.85409	6817.76343	49.9269041	353.877695	478.457383	174.474518	1056.7365	1.4193529	10.0058294	13.4415697	4.87425027	29.7410024
1872	1EUWA	NonEnzymeRegulator	9.51444572	32.1590355	3.36310024	2.17202666	47.2086081	1389.40182	4793.71051	504.385537	329.390714	7016.88859	217.988949	737.327625	77.2260168	50.1586707	1082.70126	6.18606269	20.7986183	2.16838857	1.4342707	30.5873403
1873	1R8SA	NonEnzymeRegulator	2.82849591	12.3904558	26.9005162	6.7675542	49.1818626	436.688553	1884.36726	4093.11435	1012.44975	7466.91131	65.6422321	285.636589	618.918309	154.960906	1131.80349	1.92686115	8.16671153	17.2896137	4.32530015	31.897234
1874	3ITFA	NonEnzymeRegulator	3.36525631	18.4077904	21.9499904	5.65384378	49.3768809	497.701053	2838.85801	3331.91737	868.87908	7537.35552	76.6155606	423.081197	502.927693	130.082758	1132.70721	2.05471009	11.5195699	13.7357996	3.58670513	30.8967847
1875	2AHFA	NonEnzymeRegulator	0.93714297	10.3873649	27.8321461	9.81278186	48.9694358	154.60813	1681.2423	4428.66307	1526.68547	7791.19897	22.0515795	242.722814	645.672136	226.477962	1136.92449	0.64588947	6.98998017	18.161598	6.28732724	32.0847949
1876	1N7SD	NonEnzymeRegulator	11.695023	12.6345708	12.9900542	10.0732208	47.9897657	1713.53645	1867.80496	1858.77115	1455.47531	6979.50826	266.935622	288.360379	294.589497	229.072981	1092.41103	7.25008171	7.8873442	7.96404154	6.17045433	29.6209913
1877	4A37A	NonEnzymeRegulator	3.08121703	15.7555109	23.6398813	6.27999774	48.7566069	490.245644	2534.8272	3700.88655	950.001618	7675.96102	71.7994577	366.982685	546.756463	144.124804	1129.66341	2.03025553	10.3784187	15.3302632	3.96769818	31.7066356
1878	2VXNA	NonEnzymeRegulator	1.92145507	11.6206926	27.507197	6.63259649	47.6819412	288.523132	1790.84109	4138.02064	984.307584	7201.69245	44.2006888	268.436797	630.825872	151.54709	1095.01045	1.27145576	7.6449505	17.706689	4.21493353	30.8380288
1879	3UA7A	NonEnzymeRegulator	0	18.9111318	20.7791512	8.45126455	48.1415476	0	3040.82202	3287.30582	1261.43854	7589.56639	0	441.358504	482.894755	193.510031	1117.76329	0	12.7612363	13.7973016	5.39893952	31.9574774
1880	2CE2X	NonEnzymeRegulator	1.43921203	11.6064009	23.5889849	11.8654984	48.5000962	210.679495	1732.15797	3546.64792	1751.04123	7240.52662	33.0026882	266.360836	540.937872	271.183853	1111.48525	0.95205271	7.57686853	15.0639096	7.46013937	31.0529702
1881	1H4XA	NonEnzymeRegulator	0.49696256	7.41662262	20.5285938	20.800089	49.242268	83.5959495	1144.69339	3116.15212	3147.07347	7491.51493	11.7470091	171.378302	472.540831	477.947479	1133.61362	0.344862	4.90606613	13.3407113	13.3469245	31.9385639
1883	2IBNA	NonEnzymeRegulator	2.07662548	10.6327268	26.13337	10.3001012	49.1428236	343.281549	1718.69289	4154.93775	1606.92819	7823.84038	48.7834475	248.490027	608.134108	238.389498	1143.79708	1.39437386	7.14265098	17.34001	6.69912913	32.576164
1884	1TCAA	NonEnzymeRegulator	2.1721649	10.0654345	22.38147	11.1783091	45.7973785	344.805973	1529.03276	3346.68329	1647.93324	6868.45526	50.5452973	232.00824	513.265313	255.625365	1051.44422	1.45886053	6.59802589	14.4446709	7.14014644	29.6417038
1885	1XBIA	NonEnzymeRegulator	1.24190661	6.86879264	23.530336	16.3873722	48.0284074	179.183018	981.774849	3387.6313	2344.97591	6893.56508	28.3252069	156.187544	535.434622	372.432445	1092.37982	0.81813237	4.4457023	15.0839078	10.4344568	30.7821992
1886	1V05A	NonEnzymeRegulator	1.01447985	21.6567822	19.5895151	4.96658414	47.2273613	153.009103	3320.21779	2953.37796	712.958859	7139.56371	23.4396609	500.522679	450.875338	113.208882	1088.04656	0.67939646	14.310736	12.6847689	3.14197894	30.8168803
1887	3KYJA	NonEnzymeRegulator	1.80438764	19.0749977	18.6877447	7.23112315	46.7982532	266.508941	2817.57979	2724.61382	1091.50279	6900.20534	41.2972597	436.454719	426.126309	166.097202	1069.97549	1.15679524	12.2255342	11.8305748	4.62568469	29.8385889
1888	1VD6A	NonEnzymeRegulator	1.78240498	10.4461819	23.5455872	12.2925072	48.0666812	275.136642	1648.00121	3580.41502	1860.96977	7364.52264	41.106362	242.191818	540.697243	282.082713	1106.07814	1.16665725	6.91347566	15.2170506	7.90782736	31.2050109
1889	4D8BA	NonEnzymeRegulator	2.10330552	12.6772545	23.7750161	8.58771988	47.1432959	325.821721	1955.09941	3694.41322	1338.23795	7313.57231	48.7638104	293.030125	549.846314	198.631427	1090.27168	1.38365824	8.28178118	15.5688572	5.60210388	30.8364005

1890	2UUYB	NonEnzymeRegulator	1.99552445	12.2312969	24.2218021	9.0941766	47.5428	330.40262	1960.77041	3777.10618	1428.96389	7497.24309	47.1701854	286.712077	564.308023	211.441509	1109.63179	1.36269548	8.19327312	15.8867131	5.97814701	31.4208287
1891	1NLSA	NonEnzymeRegulator	3.00456934	25.4280455	16.3498792	2.06914183	46.8516359	458.052445	3876.62123	2465.74194	303.600763	7104.01638	69.2380137	585.526036	375.061699	47.0435885	1076.86934	1.99359575	16.6405061	10.4668986	1.2734276	30.374428
1892	2CI1A	NonEnzymeRegulator	0.4933288	6.84233887	22.4687067	18.0952537	47.8996281	70.8094052	1005.72715	3346.44988	2676.75229	7099.73873	11.2135631	156.487665	514.317702	413.672696	1095.69163	0.31267779	4.42185224	14.4096968	11.4931372	30.6373641
1893	1XSZA	NonEnzymeRegulator	4.48634213	25.9498609	16.7314154	1.14407725	48.4444944	673.77283	3951.00741	2485.41496	165.01575	7293.8931	102.988002	597.916643	382.939959	25.9640771	1112.80974	2.92031476	16.995429	10.7223028	0.72728035	31.450078
1894	3PF6A	NonEnzymeRegulator	1.68631995	12.9313608	26.7952687	6.87834714	48.2912966	271.854789	2012.63833	4121.1579	1054.62509	7460.27611	39.3631223	298.588641	617.746578	158.704746	1114.40309	1.12196668	8.3392859	17.2764943	4.40508468	31.1428315
1895	1J0PA	NonEnzymeRegulator	1.26145891	17.2130481	23.3527631	4.037262	45.8645321	193.062276	2649.03336	3488.95618	584.6587	6915.71052	29.2671842	397.785941	534.782088	91.6747416	1053.50996	0.81779795	11.0922528	14.7639253	2.52007599	29.194052
1896	3BQPA	NonEnzymeRegulator	0.61024594	12.1705174	24.5638974	10.4699008	47.8145615	89.7677995	1801.02928	3611.4398	1518.45911	7020.69599	13.9894233	279.785726	563.551078	239.057322	1096.38355	0.40029749	8.01655218	16.0350009	6.71096703	31.1628176
1897	1R29A	NonEnzymeRegulator	5.68263401	29.3437915	12.4155756	2.06352614	49.5055273	862.269558	4396.24927	1897.20499	323.838587	7479.5624	131.595364	673.969443	285.246027	47.7353789	1138.54621	3.80014792	18.9622419	7.9487111	1.34095849	32.0520594
1898	1S1DA	NonEnzymeRegulator	2.28622991	14.4823131	26.9766447	4.82885481	48.5740425	352.034129	2261.64925	4201.33206	749.510809	7564.52625	52.830188	335.526579	623.586633	111.402007	1123.34541	1.51344992	9.61958774	17.6282264	3.10613405	31.8673981
1899	1VRMA	NonEnzymeRegulator	2.10849296	13.6850591	24.031607	8.68016885	48.5053279	305.648492	2087.277	3720.69683	1343.81866	7457.44099	47.9855143	315.098068	555.046807	200.400988	1118.53138	1.34689345	8.92391427	15.7685152	5.63839857	31.6777215
1900	3LB2A	NonEnzymeRegulator	0	11.6024291	22.6967353	14.2705418	48.5697062	0	1790.36982	3474.25952	2137.73794	7402.36728	0	268.861261	523.635959	327.761813	1120.25903	0	7.71484335	14.7456813	9.17742479	31.6379494
1901	3NVWB	NonEnzymeRegulator	6.26943997	23.5222519	15.9599519	2.9355602	48.687204	924.496027	3526.98899	2408.89578	442.649275	7303.03008	143.610282	540.003586	366.966295	67.7855411	1118.3657	4.06498089	15.2800948	10.4125885	1.93238781	31.6900519
1902	2Q7WA	NonEnzymeRegulator	2.421358	17.0372348	23.7042203	4.59321053	47.7560236	390.828206	2648.36813	3582.48784	676.624919	7298.30909	56.5939681	393.934815	544.395279	105.131233	1100.0553	1.61615757	11.1293549	15.2748464	2.94680509	30.967164
1903	1V2BA	NonEnzymeRegulator	1.92031264	7.58396806	23.0070585	15.5830003	48.4202567	282.610598	1140.24298	3516.07681	2400.89743	7390.51775	43.9654254	174.330764	530.541279	359.32274	1115.72516	1.24746563	4.97090519	15.0964341	10.1302573	31.6617027
1904	1FM0D	NonEnzymeRegulator	1.82384101	25.6419496	18.5644073	1.44212852	47.4723265	292.063949	3939.75958	2815.7916	203.593081	7251.20821	42.5056387	591.962155	427.133019	32.6569549	1094.25777	1.22359489	16.8714766	12.0366905	0.91848165	31.0502436
1905	3NVSA	NonEnzymeRegulator	0.72539505	12.506362	21.990922	12.0372386	47.2599176	104.184105	1889.75187	3294.26225	1761.43255	7049.63077	16.4759973	287.655458	504.903754	274.477996	1083.51321	0.4535547	8.09208179	14.2905312	7.68935341	30.5255211
1906	2RFFA	NonEnzymeRegulator	5.21681191	24.9279059	17.0387068	3.23008567	50.4135102	825.981425	3836.71287	2601.01642	464.732305	7728.44303	121.597687	574.995265	392.171347	73.3024537	1162.06675	3.56541453	16.3763474	11.0331606	2.03548179	33.0104044
1907	1Z3EB	NonEnzymeRegulator	0	11.1215302	28.6753648	9.75535979	49.5522548	0	1587.33569	4103.3165	1393.4062	7084.05839	0	252.527959	651.944313	221.535757	1126.00803	0	7.07732373	18.0961993	6.13492294	31.308446
1908	3HO7A	NonEnzymeRegulator	2.01286283	17.2924269	20.6972712	9.55781238	49.5603733	303.858131	2648.61513	3131.9302	1472.26906	7556.67253	46.3045543	399.22287	475.562471	219.946207	1141.0361	1.31102649	11.3060696	13.3345917	6.11469831	32.0663861
1909	3NE0A	NonEnzymeRegulator	2.01967196	20.0213029	21.2536097	3.36299758	46.6575822	309.819801	3077.16759	3238.15138	494.523703	7119.66247	46.6734156	462.124832	489.481333	76.8680504	1075.14763	1.34436994	13.0526188	13.7662449	2.16987205	30.3331057
1910	3ZZYA	NonEnzymeRegulator	2.89118496	22.5760855	20.5821697	2.88736441	48.9368046	430.291723	3425.9434	3127.89722	429.947692	7414.08004	66.1644596	518.991082	473.844193	66.1702932	1125.17003	1.89058847	14.7390211	13.356907	1.81968585	31.8062024
1911	3PQHA	NonEnzymeRegulator	9.51002048	17.2914521	14.3480587	4.38640428	45.5359356	1345.74014	2483.06129	2139.87847	621.69552	6590.37543	215.935967	393.821523	328.6591	98.9913646	1037.40795	6.05742026	10.9676936	9.15233344	2.67442151	28.8518688
1912	1UASA	NonEnzymeRegulator	2.80405013	17.4172281	20.7098387	6.45224302	47.3833599	446.237966	2739.82953	3210.16185	998.452748	7394.6821	65.3529155	404.229137	478.831609	148.667759	1097.08142	1.87230273	11.4420251	13.4232114	4.12869231	30.8662315
1913	1S9RA	NonEnzymeRegulator	2.23197612	18.4152442	23.0250605	5.32758084	48.9998616	347.672071	2833.48873	3448.64457	785.890071	7415.69544	51.7369948	425.259954	528.369683	121.706375	1127.07301	1.45808105	12.0609467	14.9447036	3.40982281	31.8735542
1914	1ZKEA	NonEnzymeRegulator	5.63564257	23.5157589	15.5558329	5.27400375	49.9812381	805.790421	3414.89035	2283.8137	774.129743	7278.62421	127.902625	536.50996	356.258099	120.746133	1141.41682	3.56003402	15.1836735	10.1091448	3.48583841	32.3386907
1915	2HS1A	NonEnzymeRegulator	2.4215341	20.6478246	19.7243042	5.5624475	48.8381711	342.957777	2971.50097	2949.7749	879.465449	7220.25922	54.8491363	469.269655	452.360933	129.045688	1116.74615	1.55101979	13.2349148	12.8424563	3.67930859	31.6252488
1916	2W1RA	NonEnzymeRegulator	2.02335245	8.37264185	30.0922513	6.23152014	46.7197657	296.777604	1232.90128	4414.80486	902.502194	6846.98593	46.3137772	191.841184	688.27482	142.152211	1068.58199	1.33372714	5.45736097	19.2644144	3.94216826	29.9976708
1917	2IXMA	NonEnzymeRegulator	2.28294872	12.3118073	26.2915609	8.4858719	49.3721888	366.658139	1908.812	4071.16688	1329.26888	7675.9059	53.3792008	285.483851	607.988507	196.452725	1143.30428	1.54830324	8.20845215	17.3046594	5.53718862	32.5986034
1918	1GMXA	NonEnzymeRegulator	2.22319222	7.44469304	21.1617861	16.6710347	47.5007061	329.737316	1134.02395	3284.14199	2608.67452	7356.57777	51.2606408	171.899054	490.021967	387.104113	1100.28578	1.47328654	4.89594035	13.8507592	10.9128066	31.1327927
1919	3BRCA	NonEnzymeRegulator	3.67704828	21.2619349	19.265846	4.15141885	48.356248	535.306669	3211.5774	2940.42059	638.453888	7325.75854	83.6275262	486.590167	442.426454	95.1834739	1107.82762	2.34802723	13.4911928	12.2741799	2.58972945	30.7031295
1920	2OFKA	NonEnzymeRegulator	1.63170788	12.2087346	23.9862333	10.8073472	48.6340229	245.545244	1893.46392	3781.42572	1643.35716	7563.79204	37.7580322	282.822087	556.411708	248.631638	1125.62346	1.08480798	8.070587	15.7559312	6.88577983	31.797106

1921	1NWZA	NonEnzymeRegulator	1.22747153	6.78227166	23.8202081	16.0734808	47.9034321	197.546299	1068.20758	3644.52366	2403.81612	7314.09366	28.7241806	157.754376	550.321283	369.583038	1106.38288	0.84066981	4.5443968	15.7055743	10.4286767	31.5193176
1922	2RDQA	NonEnzymeRegulator	1.34737517	10.2631706	25.6275288	11.0962077	48.3342822	215.023208	1625.04961	4006.28622	1680.39711	7526.75615	31.4540905	238.59286	593.711501	254.790295	1118.54875	0.90728589	6.76896264	16.7414737	7.08842285	31.5061451
1923	3U97A	NonEnzymeRegulator	0.63741193	14.939187	24.3836693	9.20212905	49.1623973	96.4023465	2327.88906	3786.3292	1361.38853	7572.00913	14.6455637	345.950328	563.512758	210.02252	1134.13117	0.42038313	9.98385157	16.0656837	5.85169897	32.3216174
1924	1X9IA	NonEnzymeRegulator	2.47320282	17.7573819	23.9041099	4.36942001	48.5041146	369.01591	2669.29439	3620.9064	667.838624	7327.05532	56.6203009	407.639693	548.809714	100.406566	1113.47627	1.59264575	11.5472458	15.4147149	2.80294596	31.3575524
1925	1O4YA	NonEnzymeRegulator	2.40446769	15.4800801	25.8848022	4.76096141	48.5303114	379.38184	2480.25133	4113.08671	718.056664	7690.77654	56.0038552	361.082169	601.718349	109.348648	1128.15302	1.61916638	10.3412759	17.0144455	3.03230614	32.0071939
1926	1U8VA	NonEnzymeRegulator	6.38036672	27.97309	11.2595545	2.28546429	47.8984755	975.194995	4238.84213	1684.20959	330.201816	7228.44854	147.136274	644.416618	258.498448	51.9850592	1102.0364	4.09850863	18.1234762	7.24121462	1.45902686	30.9222263
1927	3D1PA	NonEnzymeRegulator	2.47382413	8.3120129	23.5324846	13.5149817	47.8333034	379.52957	1267.80913	3662.35687	2076.28466	7385.98023	57.2201091	191.483937	544.094453	311.519943	1104.31844	1.65803213	5.42308779	15.32816	8.78202004	31.1912999
1928	2J6LA	NonEnzymeRegulator	4.57248568	26.4315402	15.0877169	1.22676209	47.4090743	696.430205	3968.07025	2333.64007	188.736823	7201.11084	105.307213	606.81017	348.292189	28.2097991	1090.71369	2.9805587	17.1141151	9.83878031	0.78181873	30.7730566
1929	1O8BA	NonEnzymeRegulator	2.54684512	15.9132286	22.457054	5.17331735	46.0904451	376.174454	2314.87741	3247.26349	741.197389	6679.51274	58.2056358	362.679145	510.803069	117.440083	1049.12793	1.6486409	10.1886692	14.2977627	3.28212422	29.4171969
1930	2PAGA	NonEnzymeRegulator	1.44478808	11.3779687	25.714502	10.7166487	49.2539075	217.381235	1807.55359	3982.23346	1600.26815	7607.43643	33.3739064	265.284756	594.787745	245.894812	1139.34122	0.95916603	7.68591808	16.9425703	6.94939822	32.5370526
1931	1FT5A	NonEnzymeRegulator	2.51802265	17.3190007	22.4001394	5.77324014	48.0104029	390.15422	2724.18489	3476.28279	862.290114	7452.91201	58.3175939	401.88797	517.840278	132.158719	1110.20456	1.60912819	11.2868022	14.6247518	3.70431511	31.2249973
1932	1WPNA	NonEnzymeRegulator	2.41916468	10.1486654	25.204072	9.82358886	47.595491	349.857298	1495.46942	3735.97477	1418.399	6999.7005	55.1310708	232.240788	577.243712	223.816586	1088.43216	1.53795119	6.55741637	16.2303028	6.24650937	30.5721798
1933	2E3HA	NonEnzymeRegulator	1.7622622	14.1604412	20.7755623	11.1577851	47.8560507	283.580783	2167.15963	3194.7756	1733.68836	7379.20437	41.1587243	326.478929	479.645359	257.729003	1105.01202	1.19606744	9.33555075	13.6195657	7.22956116	31.3807451
1934	4E6FA	NonEnzymeRegulator	2.30573735	17.0202651	22.7281457	7.07447536	49.1286235	360.181093	2624.71112	3467.96346	1028.87657	7481.73224	53.4520407	392.933062	523.109347	161.06645	1130.5609	1.52325711	11.1452951	14.7114665	4.47310766	31.8531263
1935	2NMLA	NonEnzymeRegulator	1.88574905	24.2632054	15.6622088	8.37732381	50.188487	273.070215	3689.58343	2410.72418	1283.36249	7656.74032	43.4104664	560.042982	361.246659	192.437024	1157.13713	1.22131109	15.966292	10.1229315	5.27427537	32.5848099
1936	3IUOA	NonEnzymeRegulator	2.81024818	18.7296445	24.0199945	4.17366197	49.7335492	415.290775	2790.38961	3574.87738	629.220821	7409.77859	64.2351091	429.330059	550.424067	95.275805	1139.26504	1.82019991	12.1917372	15.4666682	2.6093632	32.0879684
1937	2PRXA	NonEnzymeRegulator	2.33178721	16.115905	22.8093167	5.76078209	47.017791	343.124589	2446.52256	3523.12041	908.052577	7220.82014	53.346112	370.649669	527.075264	133.851524	1084.92257	1.50164776	10.5105872	14.9651098	3.83972568	30.8170705
1938	3LGBA	NonEnzymeRegulator	1.97117958	13.4566901	23.8680811	10.4754147	49.7713654	305.111869	2130.79747	3786.82744	1611.7525	7834.48928	45.6326205	312.656062	553.869075	241.379088	1153.53685	1.30912109	8.88453571	15.6070572	6.75216137	32.5528753
1939	3ROFA	NonEnzymeRegulator	3.27081957	21.3089538	22.1574431	0.97377314	48.0203237	497.858525	3183.8924	3318.45646	156.989321	7206.7593	75.4061745	490.030994	508.705883	22.839837	1104.22809	2.12280949	13.8402805	14.2382764	0.66487528	31.0769032
1940	1VZMA	NonEnzymeRegulator	2.25921436	11.7386536	20.3152297	12.1015863	46.414684	352.795519	1754.49754	3051.58513	1747.54405	6906.42223	52.582629	270.040058	469.457066	276.587243	1068.667	1.51832839	7.58443187	13.2035109	7.78186697	30.0881381
1941	3IKWA	NonEnzymeRegulator	4.36465871	24.8244164	17.4638718	2.02431534	48.8051179	723.378535	3846.06161	2666.14471	294.007224	7548.39128	102.767077	573.704996	402.491866	45.9739948	1127.84739	2.98468149	16.1884999	11.4003139	1.25881295	31.9114637
1942	3D9AH	NonEnzymeRegulator	2.46707032	19.5039102	18.9225216	6.33565138	47.2291534	373.37615	2969.26852	2915.75564	948.300782	7206.70109	56.7690108	449.355388	437.415599	145.542555	1089.08255	1.61455482	12.7490006	12.419455	4.08097911	30.8639896
1943	1E5KA	NonEnzymeRegulator	2.02394107	8.76784603	22.6032565	14.6639747	48.0590184	315.907033	1346.86993	3475.26202	2260.01475	7398.05373	47.0084121	202.656585	521.484913	337.833268	1108.98318	1.36377492	5.7947385	14.6711308	9.40226588	31.2319101
1944	2X2SA	NonEnzymeRegulator	0	16.8410969	23.6428039	7.16701219	47.650913	0	2642.6808	3637.4801	1056.16455	7336.32545	0	390.451345	545.305432	163.626072	1099.38285	0	11.1842154	15.4205306	4.53564042	31.1403864
1945	2XHGA	NonEnzymeRegulator	1.87205957	14.6208561	27.0116769	5.23647819	48.7410708	301.134235	2281.88726	4109.00765	801.698499	7493.72764	43.559107	338.307188	621.35941	120.520601	1123.74631	1.23346675	9.59071508	17.4388375	3.36150332	31.6245227
1946	3H87A	NonEnzymeRegulator	2.19942991	15.0180633	22.4120625	9.02275464	48.6523104	328.954068	2248.58988	3404.80666	1402.49747	7384.84808	50.3417668	343.928846	514.281589	207.448079	1116.00028	1.43010825	9.67532298	14.3054279	5.67290803	31.0837672
1947	2DDXA	NonEnzymeRegulator	1.31967813	10.1077523	27.5991331	8.86090701	47.8874705	203.725222	1597.94037	4369.35836	1385.35076	7556.3747	30.5204781	234.773681	641.264308	204.912165	1111.47063	0.87558648	6.72749142	18.2172802	5.76079169	31.5811498
1948	3GWKC	NonEnzymeRegulator	11.725303	16.4459027	12.8875624	6.05035287	47.5212019	1705.52019	2370.83786	1882.46645	901.298332	6916.13714	267.226767	374.085449	294.591124	138.661001	1083.81181	7.46051045	10.4846357	8.24093533	3.87032522	30.3103111
1949	1U07A	NonEnzymeRegulator	9.59348089	28.1084121	9.07657845	2.12992914	48.9084006	1483.02058	4353.6864	1365.23512	293.321298	7495.2634	221.167799	648.624403	207.628261	47.9927882	1125.41325	6.18953156	18.2226093	5.71456841	1.31465936	31.4413686
1950	2MHRA	NonEnzymeRegulator	0.44306385	14.6346034	24.2186752	10.4185104	49.7148529	71.1492924	2303.06587	3783.88798	1556.58149	7714.68463	10.3320095	339.574626	561.843124	239.402526	1151.15229	0.29955087	9.69219314	16.0391634	6.74478501	32.7756924
1951	3KXTA	NonEnzymeRegulator	6.53151763	22.6411554	16.2507278	4.32495236	49.7483533	1042.96509	3446.4706	2423.69262	667.424812	7580.55313	151.847192	522.060596	372.574125	99.0957007	1145.57761	4.37739236	15.0066729	10.5405051	2.7264693	32.6510396

1952	1XG0C	NonEnzymeRegulator	2.05047076	18.1042849	16.9853208	8.98627447	46.1263509	312.181324	2633.52015	2492.93346	1321.40082	6760.03575	47.2141051	413.310268	387.868615	205.398972	1053.79196	1.34356298	11.5876923	10.7866041	5.7485761	29.4664355
1953	3HFOA	NonEnzymeRegulator	0.78738482	30.5029953	15.4701104	1.93600727	48.6964978	119.351877	4526.89387	2248.16247	273.920312	7168.32853	18.0651342	697.084108	351.559712	43.7079676	1110.41692	0.51701574	19.7136181	9.75777835	1.18998796	31.1784002
1954	3IOHA	NonEnzymeRegulator	1.96800685	18.4053497	23.3292518	6.12317401	49.8257824	311.674943	2906.72229	3647.41456	926.701201	7792.51299	45.9306691	427.805156	540.091	140.962622	1154.78945	1.3399702	12.2214828	15.2493713	3.94186561	32.7526899
1955	1WY3A	NonEnzymeRegulator	0	2.87435997	20.054299	27.3156555	50.2443145	0	470.398942	3147.5722	4278.835	7896.80613	0	67.653835	465.308235	632.973488	1165.93556	0	1.97494766	13.2751546	18.0344347	33.2845369
1956	2D68A	NonEnzymeRegulator	3.2344467	11.256722	21.5749805	12.8892277	48.9553769	485.619624	1707.07346	3235.20203	1919.33858	7347.23369	74.2451205	258.585941	494.373913	295.015171	1122.22015	2.1238207	7.32082171	13.9259002	8.29415311	31.6646957
1957	1GXMA	NonEnzymeRegulator	1.6748256	10.5165182	21.9539475	13.872099	48.0173903	254.449287	1642.5447	3468.91766	2159.47924	7525.39089	38.6956526	243.72913	509.886464	320.79891	1113.11016	1.09559718	6.93940287	14.4688719	9.00275776	31.5066297
1958	2VQPA	NonEnzymeRegulator	3.29210987	20.0144057	20.925339	4.36278161	48.5946362	490.07141	2989.64934	3060.30895	631.601025	7171.63073	75.6072593	459.829203	478.027498	99.0853626	1112.54932	2.19113121	13.0837944	13.4604327	2.72054505	31.4559034
1959	3S2JA	NonEnzymeRegulator	2.31136264	12.5214732	24.812508	7.35919684	47.0045407	360.906213	1920.67324	3755.05286	1130.05102	7166.68334	53.5843847	288.636483	568.831043	169.284287	1080.3362	1.50592451	8.09550992	15.729736	4.65633718	29.9875076
1960	1F94A	NonEnzymeRegulator	3.23663208	15.5974336	20.5554049	9.01075048	48.4002211	531.417982	2487.01631	3132.94459	1371.26859	7522.64747	75.9858872	364.87481	474.977033	207.543495	1123.38123	2.1948879	10.3991369	13.3489717	5.79992479	31.7429213
1961	3EINA	NonEnzymeRegulator	2.44220696	13.0285202	25.1471489	8.75026071	49.3681367	359.988491	2042.97226	3940.82711	1349.61432	7693.40218	55.9107246	302.773716	583.812547	202.232996	1144.72998	1.57517061	8.69125531	16.7727203	5.76600988	32.8051561
1962	3MOEA	NonEnzymeRegulator	3.35957413	20.3060294	22.3895539	2.29343692	48.3485944	519.602693	3133.18697	3446.63901	342.138131	7441.5668	77.8379814	469.602363	516.860885	52.5656615	1116.86689	2.21911303	13.3432146	14.6103704	1.46712264	31.6398207
1963	1LC0A	NonEnzymeRegulator	4.05186434	24.5583418	19.3842644	0.95504134	49.1116443	622.722576	3759.97232	2886.75442	137.978587	7429.35436	93.6951822	565.844099	443.666542	21.8062074	1128.70507	2.66543469	15.9914438	12.4532998	0.61532933	31.829603
1964	2FR5A	NonEnzymeRegulator	4.06371027	22.6121122	17.9827013	3.22919199	47.8877158	602.838477	3447.34507	2730.74154	467.29736	7248.22245	93.0658827	520.755131	413.860238	73.658221	1101.33947	2.61390633	14.653547	11.6052123	2.05913887	30.9318044
1965	1QWGA	NonEnzymeRegulator	2.94845096	15.9936433	26.8464784	3.43400308	49.2225757	440.44145	2411.74454	4026.3729	542.339367	7420.89826	67.772957	367.988191	616.051816	80.0432147	1131.85618	1.96012493	10.5159641	17.4003593	2.31234048	32.1887888
1966	1F8EA	NonEnzymeRegulator	2.05358909	10.1646354	27.9616587	7.72941607	47.9092992	315.02728	1583.15041	4370.28698	1197.30395	7465.76862	47.4927228	235.535235	646.900902	178.474819	1108.40368	1.33587677	6.64842662	18.1375891	5.01403953	31.135932
1967	1KQPA	NonEnzymeRegulator	2.18940092	17.8262482	23.3650012	5.09020014	48.4708504	324.79668	2672.28521	3489.30265	771.87201	7258.25654	50.0803429	408.411313	535.460676	117.162971	1111.1153	1.40586491	11.4541432	15.0082254	3.26078141	31.1290149
1968	3D0JA	NonEnzymeRegulator	6.19011544	34.1739675	8.09590241	1.04265198	49.5026374	947.875577	5217.5325	1219.29597	152.939005	7537.64305	143.027141	787.915379	186.017739	23.8299002	1140.79016	4.11490451	22.2540932	5.22972662	0.6672544	32.2659788
1969	1TU9A	NonEnzymeRegulator	0	11.5325919	23.0175217	13.7659483	48.677831	0	1829.80877	3606.76876	2126.44682	7620.00282	0	268.552697	533.207493	317.487626	1127.65424	0	7.68696549	14.9704698	8.77494016	31.6711186
1970	4FBJA	NonEnzymeRegulator	3.73735183	20.5095346	20.0625972	4.63052828	48.9400119	576.859907	3107.01863	2967.61778	670.892588	7322.3889	86.5125318	471.783006	458.321251	105.944261	1122.56105	2.49071795	13.3629897	12.7670433	2.98614345	31.6068945
1971	4E3XA	NonEnzymeRegulator	7.91533308	32.4642787	6.1554228	1.30785103	47.8428856	1210.733	4991.09684	949.501914	217.321271	7368.65302	182.54794	748.849651	141.862459	30.7727792	1104.03283	5.17661355	21.1613771	3.98055272	0.87999091	31.1985343
1972	1YBKA	NonEnzymeRegulator	11.9364299	12.8051491	12.1958711	12.273719	49.211169	1770.87102	1889.35034	1764.93875	1679.32395	7104.48406	272.662857	292.361578	277.720661	276.332227	1119.07732	7.62838189	8.14794975	7.75519954	7.69314393	31.2246751
1973	3KS3A	NonEnzymeRegulator	2.35291837	10.6284053	30.3892469	5.2587367	48.6293072	389.266032	1685.80588	4672.78457	811.396734	7559.25322	55.2089503	246.839185	700.64702	121.43624	1124.1314	1.59675314	7.04344936	19.8238434	3.42062229	31.8846681
1974	3NO7A	NonEnzymeRegulator	4.53816921	10.5626368	26.2061259	8.35348707	49.6604189	687.216706	1629.15379	4143.95966	1300.34617	7760.67633	104.272617	243.218137	605.039664	192.665775	1145.19619	2.95794013	6.77699118	16.5642163	5.25066249	31.5498101
1975	4EVUA	NonEnzymeRegulator	2.26823007	16.0946401	21.3804237	9.43690871	49.1802026	349.758127	2485.03332	3318.57778	1442.43526	7595.80449	52.2940161	371.661243	494.459378	217.561303	1135.97594	1.48070389	10.5205877	14.0525461	6.10920146	32.1630392
1976	2VXTI	NonEnzymeRegulator	0.31951198	15.037534	23.0380139	10.8525437	49.2476036	46.4077108	2266.29633	3454.95194	1630.77508	7398.43106	7.30102057	346.187314	529.20964	249.105711	1131.80369	0.21167537	9.92672451	14.9329095	6.91835422	31.9896636
1977	2NWFA	NonEnzymeRegulator	1.75433042	16.308181	25.6119452	3.89139383	47.5658504	280.158536	2600.59023	3965.41817	574.926561	7421.0935	40.7731353	378.580168	591.06485	89.1129744	1099.53113	1.15753334	10.6860081	16.6454527	2.5069691	30.9959632
1978	2QFAB	NonEnzymeRegulator	11.5440515	11.8691152	22.0978859	7.09493029	52.6059829	1685.91827	1764.7981	3498.90374	1122.93307	8072.55318	262.546759	271.388416	514.040933	163.333646	1211.30975	7.23015055	7.59930497	14.7194403	4.48998022	34.038876
1979	3P2CA	NonEnzymeRegulator	1.07131836	10.1867485	21.8820816	15.6741693	48.8143177	171.143108	1631.49284	3413.66513	2379.47771	7595.77878	24.9236342	237.466092	506.660374	360.008428	1129.05853	0.70647147	6.80351358	14.3968133	10.082758	31.9895563
1980	3ZZSA	NonEnzymeRegulator	1.49326009	20.0590371	24.2957352	2.75268523	48.6007176	220.08295	3012.88186	3701.28832	425.940595	7360.19372	34.0412957	459.726919	557.884963	63.1110508	1114.76423	0.96274641	13.0361844	15.6017446	1.71311838	31.3137937
1981	2P8IA	NonEnzymeRegulator	4.30328722	25.398897	17.624099	1.60774505	48.9340283	728.26077	4213.14031	2813.6914	257.587241	8012.67972	101.485378	595.700307	408.629336	37.4178223	1143.23284	2.92742681	17.0137801	11.4203243	1.05371859	32.4152498
1982	2DY0A	NonEnzymeRegulator	2.54175875	13.8152018	22.8296907	9.18195717	48.3686084	382.736151	2049.5948	3385.01824	1376.42288	7193.77207	58.4421895	316.281543	522.112382	210.598602	1107.43472	1.67795438	9.01286809	14.7389796	5.94822568	31.3780277

1983	2Y9FA	NonEnzymeRegulator	0	15.355892	23.1070812	10.9067083	49.3696814	0	2476.80139	3659.84589	1681.17637	7817.82365	0	358.650908	537.042987	251.840517	1147.53441	0	10.3880456	15.3507531	7.07570139	32.8145001
1984	2F1KA	NonEnzymeRegulator	3.78374206	20.5027806	17.4180483	5.67319152	47.3777625	570.327611	3020.82758	2598.34866	843.26077	7032.76461	87.0452958	468.947136	398.386774	129.681314	1084.06052	2.4641612	13.2331778	11.0820144	3.62733388	30.4066873
1985	3NY3A	NonEnzymeRegulator	1.34867281	7.97975928	24.8124914	12.6871588	46.8280823	205.217003	1239.6733	3960.31093	2008.49129	7413.69253	31.2382803	186.099439	578.686351	294.571687	1090.59576	0.8935437	5.25806746	16.3024698	8.23428592	30.6883669
1986	3LW3A	NonEnzymeRegulator	2.14101865	13.8701004	22.3196918	9.23523271	47.5660435	322.647196	2075.37159	3267.7531	1336.89633	7002.66821	49.3332443	319.123557	510.65324	210.640383	1089.75042	1.41373088	9.10170996	14.4618104	5.93910043	30.9163517
1987	2GWMA	NonEnzymeRegulator	1.72499087	17.3290224	22.835761	7.35924416	49.2490184	265.381873	2634.86028	3390.95802	1086.94943	7378.1496	39.9960872	398.965732	522.333813	168.354552	1129.65018	1.15012005	11.315101	14.6260982	4.68944027	31.7807595
1988	3KGKA	NonEnzymeRegulator	5.48674457	29.9850866	11.8777659	1.62625113	48.9758482	827.735143	4595.78211	1793.72457	231.535872	7448.77769	126.558935	692.260013	273.224287	36.898452	1128.94169	3.64691792	19.7250822	7.75399926	1.04241843	32.1684178
1989	3GE3C	NonEnzymeRegulator	1.15501466	10.5831564	21.5912198	14.9975384	48.3269293	173.572001	1600.68545	3270.39114	2267.12796	7311.77655	26.5029854	243.332954	496.481978	344.316868	1110.63479	0.74020686	6.79132169	13.896128	9.54237246	30.970029
1990	2NLSA	NonEnzymeRegulator	1.21996719	16.2391586	20.2727167	7.89868586	45.6305284	175.411777	2394.14513	3083.35095	1230.27193	6883.17979	28.0820653	373.501447	468.286057	183.431071	1053.30064	0.78048971	10.4047303	13.0839828	5.2125463	29.4817492
1991	2AKFA	NonEnzymeRegulator	9.69078462	14.3719414	12.5758742	12.3799273	50.5896825	1419.51499	2123.06945	1827.2445	1791.17896	7385.7098	220.36229	326.946578	285.306464	280.611343	1148.78407	6.08994293	8.90046564	7.73667262	7.60129439	31.3032684
1992	1X6OA	NonEnzymeRegulator	4.92450645	17.1747361	20.0338643	4.33618506	46.4692919	716.980443	2505.12588	2893.30957	623.708203	6739.1241	112.506767	392.408753	456.15484	98.3103844	1059.38074	3.17925909	11.0535157	12.680908	2.70255441	29.6162372
1993	3NO0A	NonEnzymeRegulator	1.21140248	10.4242638	25.3457396	12.3403674	49.3217733	178.24173	1539.70427	3790.25989	1813.5258	7321.73169	27.6328599	238.202313	580.270071	281.538276	1127.64352	0.78543423	6.77378057	16.3665562	7.8982803	31.8240513
1994	3NRFA	NonEnzymeRegulator	4.26636972	23.995517	15.1145111	3.12215347	46.4985512	649.034195	3581.70398	2217.20748	467.516369	6915.46202	98.0396664	549.151537	344.349368	71.3216527	1062.86222	2.78053033	15.3181265	9.51945826	1.96972473	29.5878398
1995	3M5QA	NonEnzymeRegulator	2.10320495	13.6525996	22.5474577	7.06594146	45.3692037	325.256087	2067.04587	3357.62073	1043.7714	6793.69409	48.5151485	314.265998	517.085482	161.642932	1041.50956	1.36808052	8.86941485	14.4822083	4.46937749	29.1890812
1996	2RKNA	NonEnzymeRegulator	0	8.12857137	28.0982629	8.08939941	44.3162337	0	1153.50232	4087.68288	1205.21841	6446.40361	0	185.052513	643.820274	185.784174	1014.65696	0	5.17576151	17.9693092	5.22690806	28.3719788
1997	3F1PB	NonEnzymeRegulator	2.18863313	25.042196	18.999707	3.85843472	50.0889709	340.747533	3987.84301	3002.22432	589.824617	7920.63948	50.6700724	582.412294	440.574835	89.1048382	1162.76204	1.4278158	16.5659171	12.4005035	2.48859721	32.8828336
1998	3FWKA	NonEnzymeRegulator	2.15361261	17.8318675	26.1336339	3.5980809	49.7171949	325.054583	2769.34326	4028.26069	541.208971	7663.8675	49.6277598	412.845163	603.91925	82.4924468	1148.88462	1.4230945	11.7979605	17.1268763	2.30866876	32.6566001
1999	2V7FA	NonEnzymeRegulator	5.64376294	33.1198793	9.36318721	2.33674242	50.4635719	905.057115	5085.3286	1442.72792	341.682664	7774.7963	131.101883	762.867796	216.077523	53.4161296	1163.46333	3.71822898	21.559079	6.13413655	1.52808863	32.9395332
2000	1G8QA	NonEnzymeRegulator	4.57689451	27.2886912	13.4640562	1.65671723	46.9863591	685.900857	3995.04446	1966.65912	252.053247	6899.65768	105.349469	622.553156	306.829624	38.1404818	1072.87273	2.93894579	17.3834671	8.52902367	1.07840416	29.9298407
2001	2II2A	NonEnzymeRegulator	2.87967771	15.6955185	21.0773138	9.32971229	48.9822223	452.961406	2457.3635	3223.35595	1390.55972	7524.24057	66.7042717	363.821574	485.376397	213.544485	1129.44673	1.88904872	10.2750899	13.6269277	5.97043382	31.7615002
2002	2EV1A	NonEnzymeRegulator	2.01159936	19.9258888	19.2735939	6.71670665	47.9277887	308.622345	2954.20492	2851.58355	1002.20104	7116.61186	46.2237781	455.287017	440.834016	153.811395	1096.15621	1.26346313	12.6436542	12.3172427	4.25422054	30.4785806
2003	1ZVAA	NonEnzymeRegulator	5.97850912	16.7989429	12.8036948	10.7930509	46.3741976	859.691382	2407.23974	1800.83561	1523.5713	6591.33803	135.682702	380.912265	289.331405	243.874547	1049.80092	3.78455756	10.5427508	7.99869918	6.73378046	29.059788
2004	1UWKA	NonEnzymeRegulator	1.39491163	12.4182983	23.4517786	9.94305519	47.2080437	216.990643	1923.11011	3596.89729	1474.56224	7211.56028	32.28173	286.972988	540.56478	227.447487	1087.26699	0.90681508	8.07492052	15.175965	6.33414934	30.4918499
2005	1Q5YA	NonEnzymeRegulator	3.357475	28.5453255	13.557623	2.27856627	47.7389898	503.401947	4437.58983	2070.0623	336.216476	7347.27055	76.9741256	658.517545	311.794282	52.0982602	1099.38421	2.17861392	18.3822702	8.59891761	1.43247496	30.5922767
2006	3ZUZA	NonEnzymeRegulator	5.34172064	27.5102084	15.5975224	1.76224084	50.2116923	823.492545	4227.56446	2344.61711	267.695764	7663.36988	123.583593	634.798573	358.659215	40.4534972	1157.49488	3.55507209	18.0058847	10.0810441	1.10135444	32.7433553
2007	3NZLA	NonEnzymeRegulator	0.67012271	12.9575275	25.8916056	9.42416806	48.9434238	105.571833	2044.56367	4000.86726	1514.34802	7665.35079	15.4880519	300.580445	597.565979	219.359415	1132.99389	0.43543791	8.50676499	16.7779917	6.15734281	31.8775374
2008	3JTZA	NonEnzymeRegulator	4.20554089	18.4039099	18.252259	9.65339305	50.5151028	690.868644	2919.17178	2769.51266	1439.66942	7819.2225	98.6497686	426.696255	418.578838	220.824464	1164.74933	2.87615338	12.1030638	11.7017084	6.17568417	32.8566097
2009	3NUFA	NonEnzymeRegulator	0.42482898	13.5848752	18.7970639	14.5389171	47.3456852	62.4648353	2010.21004	2762.03748	2105.11158	6939.82393	9.69117016	310.615793	429.047802	331.035464	1080.39023	0.27358156	8.77254539	12.0252497	9.21929792	30.2906745
2010	1ET1A	NonEnzymeRegulator	12.0304282	15.3196622	13.4867591	10.0859877	50.9228373	1878.28318	2408.85227	2037.51404	1542.88231	7867.5318	278.124815	354.44456	309.83668	232.096168	1174.50222	7.72922359	9.92016744	8.66989354	6.47566561	32.7949502
2011	3N4JA	NonEnzymeRegulator	2.20101396	13.8628927	25.5887521	7.01699465	48.6696533	336.641344	2115.40916	3934.88578	1084.93436	7471.87065	50.8448111	319.504427	590.2801	161.729501	1122.35884	1.47833459	9.06860913	16.6576595	4.47529529	31.6798985
2012	1BYIA	NonEnzymeRegulator	2.07720293	12.6907642	25.6363345	6.60214092	47.0064426	311.398654	1927.11465	3866.59238	1004.40557	7109.51125	47.7252378	292.125471	589.207191	151.752833	1080.81073	1.36515589	8.30408877	16.6238771	4.21145039	30.5045721
2013	2P2SA	NonEnzymeRegulator	2.21081716	15.9058226	25.4230826	4.58985275	48.1295751	343.855433	2478.92476	3921.0242	693.515475	7437.31987	51.1735066	368.145448	585.996987	105.347295	1110.66324	1.45576437	10.4296655	16.446343	2.94372523	31.2754981

2014	2V9LA	NonEnzymeRegulator	3.10114609	17.6577633	19.4549409	7.49450835	47.7083587	476.026502	2729.70514	2984.32866	1144.57828	7334.63858	71.6404877	407.867296	449.088122	172.889653	1101.48556	2.04126793	11.5406683	12.8062833	4.88161687	31.2698364
2015	3CAYA	NonEnzymeRegulator	9.94196832	13.523894	13.368768	7.28386509	44.1184954	1460.41056	1941.09859	1885.73186	1014.78635	6302.02735	227.156406	307.111158	302.16671	164.160808	1000.59508	6.34414721	8.48808462	8.29295466	4.47590173	27.6010882
2016	3DFGA	NonEnzymeRegulator	3.76693501	17.195226	16.3192963	10.8992384	48.1806957	594.711357	2654.68283	2519.98573	1667.39316	7436.77309	86.9684442	395.75734	374.894699	249.812042	1107.43253	2.40815033	10.9718587	10.3688778	6.84766993	30.5965568
2017	2GQTA	NonEnzymeRegulator	1.98968837	9.46338131	23.522962	13.4030289	48.3790605	292.105172	1430.44037	3590.28828	2025.66121	7338.49503	45.4614276	217.663707	540.968834	307.127734	1111.2217	1.27208798	6.18451168	15.1976717	8.50442189	31.1586933
2018	1CZPA	NonEnzymeRegulator	0.46815883	10.1278772	22.3382113	13.7010572	46.6353046	67.8273617	1493.28829	3287.64423	2005.7207	6854.48058	10.697233	232.125408	511.198117	313.240366	1067.26112	0.3020435	6.58296058	14.3550717	8.71433815	29.9544139
2019	2IA1A	NonEnzymeRegulator	3.4690396	26.2539005	19.8528885	1.47204697	51.0478755	593.482749	4224.4949	3069.64607	258.013266	8145.63699	82.5771168	614.435391	459.607696	34.8656734	1191.48588	2.43168218	17.7523225	13.069164	0.943018	34.1961867
2020	3TC2A	NonEnzymeRegulator	0	15.2749637	19.7859303	12.5406002	47.6014942	0	2393.12017	3024.81556	1882.82262	7300.75836	0	354.175395	456.222	288.309019	1098.70641	0	10.1832335	12.9487353	8.07744719	31.209416
2021	2QT1A	NonEnzymeRegulator	5.42089641	25.3272295	16.4543813	2.46900131	49.6715085	820.620399	3920.87229	2541.22499	371.851919	7654.5696	124.932171	586.223032	379.882868	56.465987	1147.50406	3.60684634	16.7637762	10.682369	1.56680463	32.6197962
2022	1S29A	NonEnzymeRegulator	1.10681904	22.9060964	21.3396381	3.83482653	49.18738	166.090375	3428.20585	3184.11921	581.561055	7359.9765	25.4085522	524.404866	487.994185	87.9922021	1125.7998	0.72849915	14.7406289	13.591927	2.42330658	31.4843616
2023	3VK5A	NonEnzymeRegulator	0.39496989	10.7190807	24.0177431	12.9359218	48.0677154	60.6921246	1647.16158	3752.0535	2000.90468	7460.8119	9.114938	247.688743	555.67265	298.408055	1110.88439	0.26327323	7.14950513	15.7397883	8.3709827	31.5235493
2024	1N0QA	NonEnzymeRegulator	2.08008436	10.4044532	23.3986978	11.627178	47.5104134	321.806284	1554.87441	3477.30112	1706.4427	7060.42452	47.7856376	237.494713	533.629223	264.728889	1083.63846	1.32294729	6.57787853	14.8057302	7.37663476	30.0831908
2025	2ZK9X	NonEnzymeRegulator	2.6705469	16.7796429	24.1449942	3.0882582	46.6834422	414.929986	2608.99778	3620.68763	441.657065	7086.27246	61.8500116	388.595278	555.312292	70.1437826	1075.90136	1.75354518	11.0295987	15.6072067	1.9357921	30.3261426
2026	2OKFA	NonEnzymeRegulator	2.32941041	14.1040866	26.7670347	6.62149594	49.8220277	347.293439	2179.00095	4081.36988	978.587685	7586.25195	53.4769988	325.93159	616.136056	151.269025	1146.81367	1.53611539	9.34039074	17.4645025	4.24991224	32.5909209
2027	3H56A	NonEnzymeRegulator	6.16267548	28.9895923	10.6021924	1.26001798	47.0144782	959.634913	4485.77016	1579.56808	174.923745	7199.8969	142.966657	670.447991	242.990423	28.4975423	1084.90261	4.09525267	19.0300091	6.786583	0.79111816	30.702963
2028	2IJ2A	NonEnzymeRegulator	2.3889899	13.4022255	25.0189297	8.31326209	49.1234071	358.311656	2042.40085	3825.048	1242.39156	7468.15206	54.844093	309.07327	576.913583	190.610943	1131.44189	1.55383211	8.78158241	16.2771201	5.33631952	31.9488541
2029	2PFIA	NonEnzymeRegulator	5.51823955	22.5699177	15.2523582	4.65139776	47.9919133	829.62106	3302.82826	2264.77034	693.279446	7090.49911	126.920532	515.03165	348.808383	106.720553	1097.48112	3.59120905	14.418304	9.71137217	3.01205774	30.7329429
2030	3KORA	NonEnzymeRegulator	1.5183926	8.36690343	25.0049574	14.1154132	49.0056667	223.52033	1241.6363	3756.46303	2091.34609	7312.96574	34.570018	191.12625	573.612213	323.270104	1122.57858	0.95801562	5.32144927	16.0400383	9.07420256	31.3937058
2031	3OO8A	NonEnzymeRegulator	1.96062004	13.9550246	24.9620842	7.0364477	47.9141765	311.974859	2181.32578	3844.93315	1035.4328	7373.6666	45.7833791	323.950718	576.66085	160.889531	1107.28448	1.30779376	9.26428272	16.3851811	4.52060464	31.4778622
2032	3B12A	NonEnzymeRegulator	1.57796596	7.64741134	24.4236875	14.3616213	48.010686	255.467064	1209.4564	3892.74889	2249.6109	7607.28325	36.6493175	177.707269	568.682465	332.827312	1115.86636	1.01774397	5.0355213	16.1560689	9.39322081	31.602555
2033	3LLXA	NonEnzymeRegulator	3.11939572	20.9349235	17.7131494	5.52676273	47.2942313	478.991379	3199.51447	2666.93263	849.190121	7194.6286	71.7960772	481.974993	406.198475	127.519036	1087.48858	2.00701186	13.5541348	11.3848776	3.6138899	30.5599142
2034	3TVJA	NonEnzymeRegulator	16.0503842	23.0297137	4.30076972	3.26079993	46.6416676	2390.5578	3515.77299	624.826988	489.848878	7021.00666	368.988108	532.924781	98.2581691	74.0135326	1074.18459	10.4037072	15.2176852	2.7385828	1.93145042	30.2914257
2035	4F98A	NonEnzymeRegulator	4.89999052	20.054845	20.4385479	2.08161521	48.1420431	754.429183	3112.55915	3153.71214	302.808786	7417.85461	112.75238	463.092756	470.676337	47.1931027	1108.74216	3.17442177	13.0325412	13.0669615	1.265794	30.9402537
2036	2JFRA	NonEnzymeRegulator	2.49914281	15.4336698	25.2607327	2.43302315	45.6265685	357.813132	2277.84175	3797.76332	348.292206	6781.71041	56.7466031	352.20018	578.296959	55.3983646	1042.64211	1.59019545	9.82013273	16.0179482	1.54608211	28.9743585
2037	2DS5A	NonEnzymeRegulator	3.24219587	24.4568462	12.0771119	8.13695557	47.9131095	465.011363	3619.13437	1783.34501	1177.78824	7045.27899	74.4049727	562.109103	276.568237	185.047726	1098.13004	2.10554756	15.8929276	7.78492817	5.1249261	30.9083294
2038	3LOPA	NonEnzymeRegulator	1.39695178	12.11216	23.1135778	10.5862835	47.2089731	200.8291	1782.70698	3471.11103	1592.52719	7047.17431	31.7398094	276.537495	529.273432	242.138889	1079.68962	0.88925242	7.76589242	14.7805449	6.71928664	30.1549764
2039	1RYQA	NonEnzymeRegulator	3.19282588	9.95812926	28.2316512	7.53938625	48.9219926	517.723905	1544.21978	4422.33776	1144.64012	7628.92157	74.6518605	230.196115	652.621215	172.98182	1130.45101	2.13515977	6.52754025	18.1865593	4.75862131	31.6078806
2040	1YPQA	NonEnzymeRegulator	5.412863	27.0412986	15.0385414	1.29183608	48.7845391	877.583056	4307.35271	2427.34921	197.769823	7810.05479	127.024205	630.12368	351.089529	29.8966442	1138.13406	3.71934448	18.0984143	9.96515212	0.83868347	32.6215944
2041	3BY4A	NonEnzymeRegulator	3.49259706	17.3029403	19.8759295	7.4731651	48.144632	536.531956	2614.05287	2939.46246	1102.61144	7192.65873	80.8257621	398.471841	455.391725	170.824127	1105.51346	2.35184341	11.3897375	12.7971215	4.78349162	31.322194
2042	1T7MB	NonEnzymeRegulator	4.54959885	17.7836468	17.8825551	12.3600524	52.5758531	734.454305	2906.14387	2911.02054	1939.68188	8491.3006	106.441252	417.226712	420.814603	286.806557	1231.28912	3.06580868	11.9753838	12.1943817	8.06358053	35.2991547
2043	2DWUA	NonEnzymeRegulator	2.2630733	13.0045083	24.2972968	7.96517571	47.5300541	320.371177	1894.71077	3617.61407	1170.88239	7003.57841	51.3612833	296.697948	556.717565	181.790152	1086.56695	1.43260097	8.3516544	15.7054805	5.09608504	30.5858209
2044	1X8QA	NonEnzymeRegulator	0	8.5329787	21.7538652	17.5476963	47.8345402	0	1337.49667	3309.95876	2594.72301	7242.17844	0	198.229465	501.385692	401.270578	1100.88574	0	5.71386609	14.206867	11.248182	31.1689151

2045	1YLXA	NonEnzymeRegulator	3.02756576	13.6118549	23.3288209	9.60744747	49.575689	492.137056	2132.25863	3573.37255	1455.64874	7653.41697	70.827604	315.663883	537.402734	220.791037	1144.68526	2.03510169	9.00659885	15.0875165	6.12563114	32.2548482
2046	3A9JC	NonEnzymeRegulator	0	20.0729409	20.6573352	6.9122595	47.6425356	0	3276.1921	3250.02587	1123.83449	7650.05246	0	469.445667	480.556566	162.437915	1112.44015	0	13.1220871	13.3383884	4.52688291	30.9873585
2047	1IX9A	NonEnzymeRegulator	2.14775542	12.4311972	26.0076354	7.92304106	48.5096291	363.998633	1970.00215	4058.53988	1183.09913	7575.6398	50.7721029	288.715609	602.128701	181.576222	1123.19263	1.47872359	8.21281135	17.094028	5.12017582	31.9057387
2048	2B0VA	NonEnzymeRegulator	3.44216146	22.9008464	21.0194344	1.25940672	48.621849	519.165619	3509.07228	3218.31767	199.443092	7445.99865	79.0377258	527.897943	484.16183	29.422474	1120.51997	2.22141413	14.9399174	13.6107944	0.84228935	31.6144153
2049	2HBAA	NonEnzymeRegulator	4.80769184	15.2192997	23.9895335	4.57786017	48.5943852	717.74372	2273.54678	3558.50669	653.641794	7203.43898	110.490684	349.532178	550.300657	103.795956	1114.11948	3.20705263	10.0523587	15.5980758	2.86154049	31.7190276
2050	2ORWA	NonEnzymeRegulator	3.61714632	14.6764216	21.7027521	8.52436076	48.5206808	532.67116	2179.85795	3225.00523	1275.40267	7212.93701	82.8156403	336.753813	497.333786	195.524799	1112.42804	2.36368583	9.64571799	14.0022329	5.45097887	31.4626156
2051	3NZMA	NonEnzymeRegulator	1.77776278	10.4028538	25.8509905	10.6113978	48.6430048	265.716258	1568.83054	3862.60777	1621.68473	7318.8393	40.8481559	239.054571	592.891575	244.088917	1116.88322	1.18433894	6.79577315	16.7395789	6.83255516	31.5522462
2052	1J3WA	NonEnzymeRegulator	3.32398906	18.1870892	20.2082084	6.02078988	47.7400765	490.648804	2713.78093	3013.14841	901.939349	7119.51749	76.0537912	416.063913	462.660751	137.95212	1092.73058	2.17524478	11.6682717	12.9542978	3.86790294	30.6657172
2053	2H6FA	NonEnzymeRegulator	3.10734926	15.4653129	20.5077811	11.6044427	50.8418967	516.353262	2446.02023	3164.59108	1773.42514	7926.32667	72.8326197	359.009622	473.447955	267.17524	1176.14588	2.0551522	10.1717884	13.4089469	7.47439544	33.2147393
2054	1VYIA	NonEnzymeRegulator	5.72836805	31.3897817	9.97996105	1.6067909	48.7049017	870.723707	4704.81685	1472.53022	244.985065	7293.05584	131.952014	720.535301	228.024673	36.9768582	1117.48885	3.76481898	20.3276998	6.36766642	1.0195693	31.4797545
2055	2PKFA	NonEnzymeRegulator	4.6152594	25.286648	13.4932422	3.29789688	46.6930464	684.7015	3840.2807	2015.78234	510.760817	7051.52536	105.684462	581.591821	309.422617	76.1560547	1072.85495	2.97128976	16.3875069	8.67305693	2.15575621	30.1876098
2056	1DP7P	NonEnzymeRegulator	2.10276712	23.6033329	18.4895656	6.34029928	50.5359649	345.333254	3753.61691	2903.67637	962.101376	7964.72791	49.2128579	548.577793	428.060529	145.059577	1170.91076	1.39888398	15.6233312	12.0695675	3.94790594	33.0396886
2057	3PHXB	NonEnzymeRegulator	3.24896021	26.7509827	17.8782195	1.3608262	49.2389886	491.978866	4016.86456	2678.38952	219.011534	7406.24448	74.6856556	614.037825	409.562194	31.4655966	1129.75127	2.12526048	17.3455332	11.5033832	0.86681371	31.8409905
2058	2HX0A	NonEnzymeRegulator	2.06324967	14.7388183	22.1334021	8.15339859	47.0888687	321.974853	2254.59565	3336.49154	1229.26877	7142.33081	47.6299458	339.438145	507.486536	187.134059	1081.68869	1.34381287	9.5917888	14.1739743	5.19965745	30.3092334
2059	3JSYA	NonEnzymeRegulator	5.0254373	19.3814845	16.6170704	7.78382547	48.8078177	719.923347	2830.23127	2383.60304	1118.85363	7052.61129	114.427838	442.256374	377.583814	177.307688	1111.57571	3.22332699	12.4739752	10.6671374	5.03025027	31.3946898
2060	2C78A	NonEnzymeRegulator	2.57978856	13.1764026	23.4313236	8.81381376	48.0013285	382.928337	2009.88207	3500.95403	1305.88633	7199.65077	59.1366974	303.257977	536.99009	201.664108	1101.04887	1.65561352	8.5138929	15.0763101	5.62399263	30.8698091
2061	3JQ0A	NonEnzymeRegulator	3.17973651	22.9317318	20.3516635	2.75185593	49.2149877	521.065334	3633.49671	3105.46234	412.714684	7672.73906	74.5212318	532.624409	468.953265	63.20202	1139.30093	2.14606027	15.1576484	13.2103501	1.78106682	32.2951256
2062	2Z51A	NonEnzymeRegulator	1.75569243	13.603263	20.3330289	12.3740357	48.06602	244.007174	1940.42124	2938.9605	1748.44255	6871.83147	39.7113101	309.087779	463.036369	280.60451	1092.43997	1.08778479	8.56982167	12.9496889	7.84983213	30.4571275
2063	1T61A	NonEnzymeRegulator	4.93460022	22.1062802	16.1485326	3.86535599	47.0547691	785.91787	3456.48865	2442.2083	587.476547	7272.09136	115.064839	512.860454	372.254073	89.2976974	1089.47706	3.30503502	14.4916361	10.4294675	2.49879022	30.7249288
2064	3VGLA	NonEnzymeRegulator	2.3757324	14.6899361	21.9658009	6.70224394	45.7337133	344.259542	2238.02615	3330.71455	1001.41635	6914.41659	54.0359111	337.847414	504.264702	153.197652	1049.34568	1.51220613	9.5546192	14.1199048	4.23541331	29.4221435
2065	2WUJA	NonEnzymeRegulator	13.2550759	14.1091687	15.0427701	7.91324085	50.3202555	2021.69041	2124.33679	2255.36525	1189.52145	7590.9139	304.53322	323.303221	344.865681	181.30229	1154.00441	8.49530097	9.01047096	9.63938945	5.03707591	32.1822373
2066	1X2IA	NonEnzymeRegulator	2.20918018	33.2844815	9.40095501	4.45416057	50.1054992	332.079208	5026.97161	1362.89158	668.641165	7505.00009	50.5559313	762.235411	213.760476	102.194939	1146.23864	1.42574424	21.2775852	5.93260782	2.88270873	32.0197261
2067	3LEDA	NonEnzymeRegulator	5.16016593	23.2643281	15.9946748	2.67627449	47.0954433	772.891367	3533.39029	2453.60663	410.467763	7170.35605	118.483201	534.709293	367.706012	61.6314115	1082.52992	3.3226727	15.0332643	10.2267239	1.7245104	30.3071713
2068	3JXOA	NonEnzymeRegulator	2.38074046	15.5752644	27.4166178	2.89983545	48.2724582	350.053356	2220.42758	3938.04566	434.865441	6943.39204	54.5543489	353.836491	623.52057	66.7880836	1098.69949	1.58157656	10.0359767	17.5321504	1.90333368	31.0530373
2069	2I5UA	NonEnzymeRegulator	0.65271907	9.79213861	23.324441	15.708978	49.4782766	92.6725321	1491.84365	3686.56444	2480.00616	7751.08678	14.8137098	225.648665	541.328161	364.217631	1146.00817	0.42193472	6.45655643	15.3926735	10.3250732	32.5962379
2070	3NHEA	NonEnzymeRegulator	2.90593567	17.8832624	23.0110935	5.23640156	49.0366931	459.978073	2790.133	3548.72667	780.134963	7578.97271	67.6233155	414.260393	530.438854	119.946551	1132.26911	1.96754569	11.7559648	14.8018744	3.26989831	31.7952832
2071	2NNUA	NonEnzymeRegulator	4.62509504	21.7224226	17.709885	5.46556885	49.5229714	698.082921	3407.90894	2743.72451	833.562952	7683.27932	106.554762	504.094793	409.565709	126.226671	1146.44193	3.05500061	14.3322309	11.5482883	3.54882519	32.4843451
2072	3A9SA	NonEnzymeRegulator	4.59529479	22.8573019	17.6861067	2.8855884	48.0242918	687.758532	3472.12435	2715.69425	445.311363	7320.8885	105.704621	526.718416	408.185292	66.3724881	1106.98082	3.01902265	14.9272031	11.5077337	1.82380811	31.2777676
2073	4DOIA	NonEnzymeRegulator	1.99204297	14.3137558	24.6056993	6.99996932	47.9114674	296.439258	2111.99443	3641.61375	1054.10748	7104.15492	45.7202333	327.336388	563.699381	160.968515	1097.72452	1.32488126	9.31547723	15.9961694	4.57658564	31.2131136
2074	2NLVA	NonEnzymeRegulator	5.11023225	23.0149636	18.1162559	4.02642122	50.267873	817.817919	3538.29875	2761.17611	651.436464	7768.72925	119.007425	530.56862	416.79676	93.7623363	1160.13514	3.41251245	14.9740589	11.6858321	2.6253068	32.6977103
2075	3T3LA	NonEnzymeRegulator	0	15.7581175	22.7055695	9.90952943	48.3732165	0	2405.14475	3470.45674	1508.17778	7383.77927	0	363.277538	523.297011	228.394602	1114.96915	0	10.4124162	14.8866103	6.46706377	31.7660903

2076	3LZQA	NonEnzymeRegulator	5.81082152	22.707398	17.311684	2.00057059	47.8304741	891.142727	3494.36202	2649.05607	298.581114	7333.14193	134.606013	525.862387	399.567968	45.6276033	1105.66397	3.86178787	15.066157	11.2851518	1.22926744	31.4423641
2077	4DMTA	NonEnzymeRegulator	11.5745648	8.46529341	10.6641858	9.06706402	41.1337338	1766.64268	1324.38673	1611.74489	1351.43164	6259.12276	267.356201	196.788177	245.907141	208.335556	949.788251	7.40686975	5.54208727	6.88744039	5.79876552	26.5147871
2078	4EDHA	NonEnzymeRegulator	2.34547245	12.0649348	27.7130768	6.20362379	48.3271078	357.234971	1844.13656	4180.96145	916.658173	7298.99116	53.9650072	277.658471	635.192706	141.473716	1108.2899	1.50394405	7.78567826	17.7288674	3.88675341	30.9052431
2079	1O7JA	NonEnzymeRegulator	2.07388341	13.6240569	21.1940584	10.0696612	46.9616599	320.13317	2026.8658	3124.94268	1472.92078	6944.86242	47.8747936	311.997337	484.200359	229.810223	1073.88271	1.35126687	8.74582546	13.5177113	6.41174264	30.0265463
2080	1A62A	NonEnzymeRegulator	1.59271867	14.6858691	17.1124313	15.4723921	48.8634113	243.978691	2229.27257	2573.36757	2288.09726	7334.71608	36.7774504	337.979478	392.350346	353.317002	1120.42428	1.06215991	9.64863421	11.0382129	9.84786089	31.5968679
2081	2E6FA	NonEnzymeRegulator	2.73151182	17.3777317	24.2445501	2.95616534	47.309959	398.45378	2601.14949	3688.96894	429.513138	7118.08535	62.6127486	399.757365	558.801722	67.4108602	1088.5827	1.77158814	11.3866548	15.7945971	1.87627245	30.8291125
2082	2CPGA	NonEnzymeRegulator	2.22201947	16.6662301	23.2711843	7.41132369	49.5707575	309.770789	2342.42745	3327.75888	1102.38736	7082.34449	50.5870201	378.543114	529.096893	169.64149	1127.86852	1.43559521	10.589327	14.758377	4.74365286	31.526952
2083	3L42A	NonEnzymeRegulator	3.6122491	14.9015052	24.2276748	7.23801301	49.9794421	573.496473	2351.78763	3676.22092	1068.18688	7669.6919	84.0694776	346.033397	557.278882	165.294688	1152.67644	2.45414142	9.93230734	15.622775	4.5233915	32.5326152
2084	3QZBA	NonEnzymeRegulator	6.07458565	22.2006967	15.9287034	4.75300234	48.9569881	931.849729	3460.94875	2399.5582	682.568052	7474.92473	140.152296	514.131911	365.535698	107.975474	1127.79538	4.02922646	14.6858493	10.2415811	2.97700765	31.9336645
2085	3UPLA	NonEnzymeRegulator	2.14504	15.6777229	21.1537788	7.74783942	46.724381	301.645837	2290.30334	3134.75087	1131.00341	6857.70345	48.7742215	358.302785	483.607297	176.494091	1067.17839	1.36062304	10.0890191	13.4772843	4.87500356	29.80193
2086	2NQWA	NonEnzymeRegulator	0.56481247	14.4520947	24.4698431	10.1406424	49.6273927	82.0933891	2220.75427	3778.65881	1544.23704	7625.74351	12.8813012	333.831982	565.457489	233.467747	1145.63852	0.37052987	9.61734781	16.1139691	6.59460293	32.6964498
2087	2WF7A	NonEnzymeRegulator	2.42670359	13.9065747	24.4038064	7.09064414	47.8277288	345.160532	2059.95142	3656.13682	1046.91098	7108.15975	55.0749149	318.249291	559.910053	162.135556	1095.36981	1.5446764	8.99917421	15.8296314	4.57884955	30.9523316
2088	3ZZOA	NonEnzymeRegulator	3.52291273	14.4859778	16.6837792	11.8443658	46.5370355	529.103814	2226.07547	2530.10044	1799.66913	7084.94885	80.8490577	334.071581	385.218808	274.543325	1074.68277	2.25827492	9.33592355	10.7589542	7.59009378	29.9432465
2089	3HP4A	NonEnzymeRegulator	1.56522051	10.9909725	24.2836086	11.3696061	48.2094077	220.362807	1615.74756	3617.44608	1704.87262	7158.42907	35.6087323	251.84041	556.662535	261.264717	1105.37639	1.01518648	7.14243238	15.6503892	7.3193525	31.1273605
2090	2POFA	NonEnzymeRegulator	2.4589857	16.8927214	25.6003402	3.66417301	48.6162203	387.072241	2643.73862	3890.35722	539.495874	7460.66396	56.9886839	390.609373	587.644454	83.5672105	1118.80972	1.63024653	10.9734036	16.3181613	2.27918556	31.2009971
2091	4AO6A	NonEnzymeRegulator	1.91880993	9.31264827	25.2998969	11.0837655	47.6151206	305.217348	1412.59279	3872.78112	1699.2072	7289.79845	44.772121	214.774382	583.280354	255.262985	1098.08984	1.30116821	6.14746141	16.5176182	7.14783273	31.1140806
2092	3D9XA	NonEnzymeRegulator	9.25391473	14.048767	15.8670814	6.97990649	46.1496697	1322.78209	2012.62052	2287.34222	1021.61405	6644.35888	210.036762	318.788291	360.284239	159.142518	1048.25181	5.928576	8.93385747	9.91757463	4.45034448	29.2303526
2093	4B0ZA	NonEnzymeRegulator	5.94678616	20.1156688	16.1525262	6.78004552	48.9950267	913.188976	3086.73724	2396.48086	1027.1682	7423.57527	137.813284	464.978908	369.784354	156.267049	1128.84359	3.99660459	13.2096465	10.4086414	4.45255836	32.0674508
2094	3MYXA	NonEnzymeRegulator	2.07609159	12.4012886	23.3506367	9.03906505	46.8670819	322.394677	1897.23829	3518.77831	1341.63222	7080.0435	48.1176854	285.458933	535.045781	206.607771	1075.23017	1.38219851	8.08273608	14.8869057	5.74470185	30.0965421
2095	2AEBA	NonEnzymeRegulator	4.61947697	31.2701835	10.7327597	0.81688449	47.4393047	696.507447	4635.61419	1592.96408	125.11347	7050.19919	106.237056	715.366563	245.528518	18.8997229	1086.03186	3.03326245	20.1522658	6.88767713	0.54494886	30.6181542
2096	2F3ZB	NonEnzymeRegulator	8.82421841	17.9817877	14.8403595	12.3701245	54.0164901	1445.85764	2965.15239	2436.71311	2029.81264	8877.53579	207.140322	422.584566	348.723556	289.946744	1268.39519	6.0073433	12.3147227	10.19639	8.40019038	36.9186464
2097	1NC5A	NonEnzymeRegulator	1.48951683	11.0762422	27.7890021	9.23489981	49.5896609	240.660437	1742.93877	4374.7086	1423.93719	7782.245	34.9667715	257.584312	645.207152	213.153791	1150.91203	1.0180234	7.38851079	18.3902205	5.98512453	32.7818792
2098	4A8UA	NonEnzymeRegulator	0.28086512	17.1410749	23.8973115	6.92725873	48.2465102	39.398836	2564.74242	3611.81525	1043.23648	7259.19298	6.35933674	393.333901	549.465215	158.860584	1108.01904	0.17548276	11.1821287	15.6136784	4.4317691	31.4030589
2099	1T3YA	NonEnzymeRegulator	3.49690143	23.0226219	19.2493335	3.51135356	49.2802103	566.69716	3600.1035	2863.1601	509.280227	7539.24099	81.8483793	533.230301	440.157148	79.7989808	1135.03481	2.40142051	15.2227615	12.292042	2.17871775	32.0949418
2100	2Z26A	NonEnzymeRegulator	2.36851241	15.8978257	28.0381543	1.813255	48.1177474	372.542109	2467.56981	4252.76349	275.214977	7368.09039	54.9659525	368.039809	644.064726	41.5722413	1108.64273	1.56106362	10.4518779	17.931383	1.14491846	31.089243
2101	1EGWA	NonEnzymeRegulator	2.95626545	15.1663953	17.5053513	15.4136725	51.0416846	450.118859	2340.19428	2585.57682	2303.84003	7679.72999	68.3222446	351.143783	400.863411	353.238505	1173.56794	1.969039	10.1145443	11.2540469	9.87509337	33.2127236
2102	3A57A	NonEnzymeRegulator	2.85284821	17.8809892	20.5953007	6.36112505	47.6902632	429.885207	2701.26147	3142.2114	1002.8961	7276.25418	65.9879393	412.332409	474.590772	147.536714	1100.44784	1.89849142	11.7374824	13.352929	4.15093429	31.1398371
2103	2CBZA	NonEnzymeRegulator	2.56415991	14.6714899	21.0821282	9.3702782	47.6880563	392.132497	2179.92966	3167.23532	1399.31299	7138.61047	59.2265671	336.156476	484.280032	214.542062	1094.20514	1.70915025	9.52298831	13.6732062	5.98827051	30.8936152
2104	3SBMA	NonEnzymeRegulator	1.41915263	14.4486479	22.1827933	9.48644166	47.5370355	220.835487	2201.20688	3388.6344	1429.19718	7239.87395	32.8700968	333.013359	511.418769	217.530708	1094.83293	0.93309122	9.41019948	14.4399165	6.04623402	30.8294412
2105	3S7OA	NonEnzymeRegulator	2.28469624	13.9544749	23.2751032	7.89221707	47.4064914	345.763136	2119.14655	3543.64535	1185.71573	7194.27076	52.3211487	320.554696	535.67068	180.943492	1089.49002	1.46006396	8.98257138	15.0693543	5.05662934	30.568619
2106	3H9MA	NonEnzymeRegulator	2.06158693	11.6168732	26.0952075	8.4903975	48.2640652	326.184408	1827.15159	3982.89639	1267.07911	7403.31149	47.9260817	269.992225	601.41074	194.667184	1113.99623	1.37886482	7.76796814	17.0326589	5.48821518	31.6677071

21073	FCXA	NonEnzymeRegulator	2.06508734	10.71506	23.7150027	11.5536889	48.048839	333.447818	1651.67118	3685.08959	1763.71538	7433.92397	48.3319512	248.171072	549.269057	266.551799	1112.32388	1.40698958	7.10521879	15.6250222	7.55821148	31.695442
21082	JC9A	NonEnzymeRegulator	2.64129661	17.3874922	22.9219908	6.61179569	49.5625752	406.143613	2719.00248	3545.43434	1017.43236	7688.01279	61.0268769	403.308809	530.271431	152.733425	1147.34054	1.74836417	11.5305178	15.0692094	4.31791944	32.6660108
21093	IVVA	NonEnzymeRegulator	3.33476917	19.8791674	22.898398	3.5839933	49.6963278	525.271807	3100.46912	3475.71002	520.095145	7621.54609	77.5991376	461.248941	526.578313	81.5072805	1146.93367	2.2542317	13.3008741	14.8205899	2.26171465	32.6374103
21102	QXFA	NonEnzymeRegulator	1.70346602	14.0809708	22.2947578	11.0623355	49.14153	267.784925	2237.11951	3448.1927	1673.39739	7626.49452	39.4572024	327.613535	514.83945	254.123331	1136.03352	1.10256717	9.31124199	14.5163069	7.11222188	32.0423379
21111	GK9A	NonEnzymeRegulator	4.5689434	17.4294729	18.7903769	7.86910624	48.6578994	700.755505	2756.26892	2900.8278	1162.58571	7520.43793	105.608871	405.198029	434.706938	180.136098	1125.64994	2.95640278	11.5155429	12.3941757	5.03256923	31.8986907
21121	CXQA	NonEnzymeRegulator	3.00109299	17.5961039	21.3500806	6.31338827	48.2606657	458.982745	2747.38035	3320.35774	965.700092	7492.42093	69.0636597	406.530436	492.682871	145.158932	1113.4359	1.9535114	11.4161235	13.8147981	4.05110254	31.2355356
21132	XXNA	NonEnzymeRegulator	4.58928596	19.9588269	20.3511422	4.42306427	49.3223193	733.339177	3185.72083	3265.21916	748.439352	7932.71851	107.271451	465.248781	473.613888	104.325612	1150.45973	3.12756375	13.3316538	13.359622	2.97448322	32.7933228
21143	LDCA	NonEnzymeRegulator	4.69141153	19.3153893	18.3615304	5.49346198	48.5103723	725.335783	2958.60693	2897.33112	820.99079	7498.47961	108.656024	446.847847	427.300676	126.158452	1123.84709	3.17769685	13.0145153	12.3221765	3.61702452	32.565284
21151	P9GA	NonEnzymeRegulator	2.00958148	5.18269313	16.5537266	18.474334	42.2203352	295.677586	777.949338	2502.97255	2803.13949	6379.73896	46.6548878	120.13508	383.551495	426.953643	977.295106	1.28054678	3.28086977	10.5579241	11.6479659	26.7673066
21163	A8GA	NonEnzymeRegulator	6.68446593	25.3736654	11.6200523	4.83289449	48.5110781	1030.99353	3890.36201	1801.42258	742.888867	7465.66699	154.639055	584.897283	268.212361	111.208727	1118.95743	4.43103723	16.5043264	7.54985642	3.10250624	31.5877263
21173	BY8A	NonEnzymeRegulator	2.8881533	22.4998929	19.1034433	4.00398752	48.495477	435.93363	3374.12326	2867.959	587.06977	7265.08566	66.2998087	514.957748	437.091904	91.1940094	1109.54347	1.88887446	14.4108519	12.078221	2.47270712	30.8506545
21182	Y9UA	NonEnzymeRegulator	0	22.5086143	24.8288744	2.28103327	49.618522	0	3522.45913	3830.70738	369.383555	7722.55007	0	522.197755	573.880491	53.1097625	1149.18801	0	14.9583369	16.2650618	1.48311043	32.7065091
21192	QZCA	NonEnzymeRegulator	0.46394976	8.71556178	23.5011585	17.6454296	50.3260996	75.7447571	1390.18147	3702.74978	2649.78086	7818.45686	10.9478196	203.405681	545.862644	405.009947	1165.22609	0.32053199	5.88657428	15.7264599	11.4920519	33.4256181
21202	AIBA	NonEnzymeRegulator	0	10.1276446	27.7279071	7.74795373	45.6035054	0	1487.60997	3973.61796	1110.71235	6571.94028	0	232.604266	632.795638	176.595207	1041.99511	0	6.65144462	17.7756332	4.90024517	29.327323
21212	DG5A	NonEnzymeRegulator	1.02689801	10.5658451	26.0171791	9.12052818	46.7304503	161.442962	1566.71688	3882.87584	1369.32314	6980.35882	23.7906439	241.718666	596.225648	209.397624	1071.13258	0.67321739	6.79782942	16.7726816	5.88030787	30.1240363
21221	WMHA	NonEnzymeRegulator	0	10.3788261	27.0243613	12.5096244	49.9128118	0	1608.43938	4167.61338	1925.64664	7701.69941	0	240.553148	625.315401	289.105923	1154.97447	0	6.89536072	17.7284644	8.12778636	32.7516114
21233	A35A	NonEnzymeRegulator	1.92599134	11.0566521	22.9221444	12.2008958	48.1056836	273.156121	1586.69236	3382.65591	1792.01313	7034.51753	43.6412628	251.430401	523.992121	278.473598	1097.53738	1.20789193	7.06548856	14.832854	7.81581694	30.9220514
21243	GG7A	NonEnzymeRegulator	1.38337899	8.94430897	24.0533995	13.9172913	48.2983788	220.287148	1416.16658	3688.01314	2158.65352	7483.12039	32.1364644	207.533757	553.45634	320.823953	1113.95051	0.91704579	5.92349327	15.4784115	8.94951358	31.2684642
21252	WNVB	NonEnzymeRegulator	1.52758676	18.1641449	23.86412	4.72205085	48.2779024	245.49161	2837.20663	3623.18869	725.83003	7431.71696	35.7109209	421.009164	548.96017	109.151238	1114.83149	1.03257123	11.9371294	15.3316402	3.08744722	31.3887881
21263	O2TA	NonEnzymeRegulator	3.9022467	21.5117765	18.740715	5.17150976	49.326248	576.909664	3214.22829	2782.99415	734.405729	7308.53783	89.3806136	493.175255	429.099115	117.191605	1128.84659	2.55028951	13.8777791	12.0939004	3.24172205	31.763691
21273	CU9A	NonEnzymeRegulator	2.25784056	10.1936271	25.1049832	11.0745614	48.6310122	359.186644	1630.55121	4002.58513	1742.06626	7734.38924	52.6086582	237.899477	585.427891	257.164743	1133.10077	1.51179738	6.89819019	16.8101308	7.27957177	32.4996901
21282	Y0OA	NonEnzymeRegulator	0.57172192	13.9971995	25.7004028	8.64819572	48.91752	87.4286438	2197.8421	3978.86388	1289.84358	7553.97821	13.2330032	324.489551	593.314748	198.004326	1129.04163	0.37881043	9.19916889	16.6291244	5.49424989	31.7013536
21291	RA0A	NonEnzymeRegulator	5.43794799	25.1105189	15.8860278	1.6795772	48.1140718	846.125684	3831.75018	2431.17418	245.412358	7354.46241	125.604984	577.98613	365.589551	38.4402498	1107.62092	3.52159997	16.2565427	10.2372283	1.07992568	31.0952966
21303	FRHA	NonEnzymeRegulator	2.5486037	17.3995831	23.256799	5.18995787	48.3949436	382.848827	2596.42423	3561.89437	790.023849	7331.19127	58.6772885	398.855817	535.876043	119.361892	1112.77104	1.68326462	11.2621959	15.1984151	3.33159734	31.475473
21313	U7QB	NonEnzymeRegulator	3.12921831	19.3322311	19.8818095	6.18244129	48.6172874	503.362203	3004.24889	2998.24581	932.106205	7451.91713	73.0184584	447.697795	457.405332	142.104876	1122.32951	2.08758332	12.7370816	12.8742152	3.9773142	31.734454
21322	X4LA	NonEnzymeRegulator	1.39505299	13.9825397	20.7081075	11.3621091	47.4478093	203.801462	2108.74953	3076.99313	1705.11014	7094.65426	31.8664864	321.504091	474.10343	260.630124	1088.10413	0.89451731	9.11003022	13.3935352	7.38609922	30.784182
21331	S3CA	NonEnzymeRegulator	3.30990619	18.3551253	18.4622035	8.68835343	48.8155885	502.526436	2697.35164	2715.64519	1285.60798	7201.13125	76.1027563	419.115331	421.80748	198.698307	1115.72387	2.14485988	11.7424026	11.7964258	5.56783866	31.2515269
21343	AH9A	NonEnzymeRegulator	7.70764131	10.8657953	9.28018869	9.26340021	37.1170255	1143.82071	1615.72747	1378.78201	1376.14233	5514.47251	176.832112	249.441296	212.984116	212.588114	851.845637	4.9928616	7.05655833	6.02042606	6.00889735	24.0787433
21353	BVXA	NonEnzymeRegulator	3.3247968	19.288619	21.1478212	5.17065215	48.9318891	525.892168	3003.40303	3269.56633	790.684481	7589.54601	77.193773	446.404991	488.334902	119.029117	1130.96278	2.18008504	12.6032058	13.7569363	3.34624484	31.886472
21362	PBDP	NonEnzymeRegulator	1.72811674	18.76471	22.1037693	4.51270616	47.1093023	246.994059	2774.29911	3347.79243	693.609298	7062.69489	39.3745051	430.122005	508.611204	103.890569	1081.99828	1.12310444	12.1941101	14.3470505	2.88998291	30.5542479
21373	KGYA	NonEnzymeRegulator	1.77603884	12.4467905	27.8770276	6.95721352	49.0570704	270.000482	1959.28782	4417.12441	1124.47693	7770.88965	40.7959528	288.341828	646.50565	162.342941	1137.98637	1.15111348	8.18229135	18.2593785	4.58734664	32.18013

2138	2OQEA	NonEnzymeRegulator	5.93876856	25.4794349	14.6935435	2.05985135	48.1715983	925.891146	3943.84846	2235.13105	313.209429	7418.08008	137.671447	588.786562	338.148079	47.502075	1112.10816	3.93081039	16.6231336	9.48431678	1.32693625	31.365197
2139	2FUPA	NonEnzymeRegulator	3.44659949	19.7887294	18.1126737	7.36906339	48.7170661	509.078903	2926.35562	2700.50744	1118.20401	7254.14598	78.689772	451.268279	413.352684	168.623953	1111.93469	2.20163638	12.4656837	11.3675975	4.60755566	30.6424733
2140	2YV9A	NonEnzymeRegulator	4.87960125	26.3501694	15.9964028	2.42760855	49.8213237	768.636273	4044.31264	2413.09931	355.177816	7606.27027	113.695119	607.693374	366.987405	55.5415381	1147.77255	3.24817003	17.1846553	10.2959145	1.53994887	32.3759828
2141	3FILA	NonEnzymeRegulator	0.92366294	15.1792465	22.2612412	10.0667693	48.43092	139.03563	2330.16936	3346.58575	1468.43713	7284.22787	21.2517131	350.678127	511.297101	229.663851	1112.89079	0.618662	10.118688	14.4915431	6.44390048	31.6727936
2142	6RLXA	NonEnzymeRegulator	0	9.790945	21.1409618	16.4105548	47.3424617	0	1477.23046	3169.03745	2591.69546	7237.96337	0	224.997923	485.836832	380.194782	1091.02954	0	6.27523585	13.5541468	10.5657437	30.3951264
2143	3JRVC	NonEnzymeRegulator	0	15.4669206	15.9927036	15.8473715	47.3069957	0	2493.91043	2634.84836	2530.86781	7659.6266	0	358.967763	374.933983	367.927303	1101.82905	0	10.0024816	10.7447784	10.3229457	31.0702057
2144	2YH5A	NonEnzymeRegulator	0	11.1229783	27.4946662	8.03657787	47.0335171	0	1660.65717	4145.87369	1204.08588	7070.31735	0	255.464776	632.155742	184.256655	1080.6677	0	7.26069763	17.7781197	5.09252444	30.3779041
2145	3NSXA	NonEnzymeRegulator	3.90617457	23.2365943	21.1244261	1.13521233	49.4024073	621.817314	3636.35073	3242.91851	175.606319	7676.69287	91.2734746	539.239659	488.221927	26.2525155	1144.98758	2.62174771	15.3732179	13.8314787	0.74496964	32.571414
2146	3H7CX	NonEnzymeRegulator	1.15670366	9.27039589	24.6676154	13.1085477	48.2032627	185.878606	1457.55464	3830.76588	2006.24829	7480.44741	26.9448816	215.114474	569.733334	301.202354	1112.99504	0.7610892	6.11508014	16.0482287	8.31742562	31.2418236
2147	1T7FB	NonEnzymeRegulator	0	13.1616842	13.2230289	19.6420057	52.0089603	0	2141.28327	2089.48767	3109.23214	8298.40184	0	308.659337	307.663791	457.104648	1212.89598	0	9.08361563	9.10651116	13.4748406	35.7405025
2148	1XMKA	NonEnzymeRegulator	1.27668861	25.5056953	19.6538541	2.63731455	49.0735526	184.987091	3836.21509	2937.9187	395.630658	7354.75154	29.1597604	586.07185	450.441023	60.306552	1125.97919	0.8294415	16.5086438	12.4711113	1.65907367	31.4682703
2149	4G0XA	NonEnzymeRegulator	2.63174094	18.7604027	23.6291823	3.29481178	48.3161377	382.376659	2835.54654	3553.92452	473.428732	7245.27645	60.2139129	431.737741	541.670675	74.6397103	1108.26204	1.72575118	12.2477908	15.1078623	2.05952612	31.1409305
2150	1G6XA	NonEnzymeRegulator	3.52689007	14.682415	21.1612808	8.56577316	47.936359	584.684951	2374.04782	3312.06461	1341.96254	7612.75991	83.0032592	343.812749	490.641919	197.971924	1115.42985	2.37382546	9.80759626	13.7647036	5.42695733	31.3730827
2151	3FZEA	NonEnzymeRegulator	1.59649297	11.723521	29.7905426	5.99457291	49.1051295	233.248742	1767.38346	4480.21553	917.227385	7398.07511	36.4835579	269.80329	684.438073	138.328916	1129.05384	1.05292103	7.75615495	19.4531263	3.88576438	32.1479666
2152	1NUYA	NonEnzymeRegulator	3.29559253	17.8880464	21.6811782	4.92880967	47.7936268	497.917364	2630.42449	3194.60904	749.623835	7072.57473	76.1473392	409.607582	495.917816	113.354314	1095.02705	2.18230284	11.6001069	13.955851	3.18107526	30.919336
2153	3MN5S	NonEnzymeRegulator	5.0057589	20.4053639	20.3222398	5.38642481	51.1197873	723.091609	2979.49057	2953.60552	772.047499	7428.2352	113.868889	465.188953	462.694869	122.231545	1163.98426	3.14252214	12.8201241	12.7600543	3.43197837	32.154679
2154	2QE8A	NonEnzymeRegulator	2.06371547	13.5459515	27.2577687	4.76495327	47.632389	309.466215	2077.96309	4136.48595	693.124755	7217.04001	47.3696777	312.536751	626.816224	108.450662	1095.17331	1.34542529	8.92158547	17.7528979	3.01105365	31.0309623
2155	2X5OA	NonEnzymeRegulator	1.53392556	13.3759683	21.0692677	10.7943902	46.7735517	216.396961	1987.56189	3136.20936	1633.49095	6973.65916	34.7108699	306.366016	483.125619	247.825758	1072.02826	0.96301381	8.58871112	13.5853332	6.89893985	30.035998
2156	1Z67A	NonEnzymeRegulator	3.1025244	27.275678	12.0039302	4.18828779	46.5704204	459.613461	3921.07205	1752.3658	634.790919	6767.84223	71.0391367	619.898014	273.414905	96.6660963	1061.01815	2.03524797	17.3841296	7.64370847	2.81527211	29.8783581
2157	2BDRA	NonEnzymeRegulator	4.38284355	27.5030126	14.0648756	2.27971023	48.230442	701.009238	4278.21811	2148.55619	360.435753	7488.2193	101.948742	635.145214	323.331196	52.7944945	1113.21965	2.90788969	17.9198155	8.9756086	1.47527112	31.2785849
2158	3ZYHA	NonEnzymeRegulator	2.7748599	16.6816057	19.6718661	7.21004353	46.3383753	403.807566	2524.30255	3078.87107	1116.02808	7123.00926	63.5610221	383.941643	455.681477	166.366906	1069.55105	1.82529054	10.9083297	12.9499766	4.62428202	30.3078789
2159	3PNAA	NonEnzymeRegulator	1.90024641	8.83516205	28.0240477	9.80846649	48.5679226	310.603633	1394.09076	4178.84226	1498.05826	7381.59491	44.6535492	205.470197	642.362031	225.985175	1118.47095	1.3138532	5.91568676	18.0263909	6.34094965	31.5968805
2160	4F6TB	NonEnzymeRegulator	4.52828305	21.7117777	15.5637264	4.72408356	46.5278707	670.322674	3213.31311	2326.11825	667.500698	6877.25474	103.941365	496.601116	356.470775	107.072371	1064.08563	2.96904067	13.9645051	10.0061929	2.96771421	29.9074529
2161	3PIUA	NonEnzymeRegulator	2.48982917	16.2044925	24.6159083	5.16494878	48.4751788	376.630524	2497.54116	3749.9453	800.921182	7425.03817	57.3566682	374.602081	567.35562	119.446966	1118.76134	1.62756959	10.6568754	16.0607483	3.38970568	31.7348991
2162	2VWSA	NonEnzymeRegulator	5.53535601	27.2209908	13.32868	1.56941626	47.6544431	840.224243	4069.83001	2041.92544	236.296723	7188.27641	127.583105	623.848183	306.939795	36.1691947	1094.54028	3.68193997	17.4971034	8.54950532	1.02335359	30.7519022
2163	3TYSA	NonEnzymeRegulator	3.41308898	26.3841615	14.4986645	5.51049992	49.8064149	515.139489	3930.53143	2165.68374	880.90136	7492.25602	78.623123	605.074673	331.992674	128.441914	1144.13238	2.27976427	17.2083912	9.30964974	3.64511984	32.4429251
2164	3RPEA	NonEnzymeRegulator	3.83316551	24.8276375	17.3704277	2.24998243	48.2812131	577.268973	3833.3623	2712.71402	350.832836	7474.17813	88.6110481	574.587572	401.805709	51.6746313	1116.67896	2.55638608	16.3834281	11.2760828	1.39630589	31.6122029
2165	3TU8A	NonEnzymeRegulator	1.42239506	14.8844603	23.4692744	8.30206575	48.0781956	233.940939	2372.80215	3639.75258	1284.96246	7531.45812	33.4239678	346.840501	541.99769	191.360824	1113.62298	0.97705794	9.99653712	15.2043301	5.3094089	31.487334
2166	3N2WA	NonEnzymeRegulator	1.959051	16.030279	19.1235608	8.65031906	45.7632099	279.244531	2362.54765	2897.8553	1285.56203	6825.2095	44.464969	365.916118	439.349386	198.074997	1047.80547	1.25670315	10.2141371	12.284115	5.55530824	29.3102635
2167	1XD3A	NonEnzymeRegulator	1.86860696	10.3536218	26.2339309	10.1865396	48.6426993	286.525772	1589.52828	4007.9882	1507.01733	7391.05959	43.1111148	239.01155	604.331597	233.045137	1119.4994	1.24271891	6.81387544	16.9934273	6.47815191	31.5281736
2168	2ASBA	NonEnzymeRegulator	8.55680955	25.5451198	11.5447468	1.49484831	47.1415245	1290.86688	3802.08874	1707.18021	223.86096	7023.99679	195.867635	583.673593	262.791836	34.2860831	1076.61915	5.44239289	16.1906754	7.20493913	0.95784448	29.795852

21692	WH6B	NonEnzymeRegulator	11.9031473	16.5522498	13.9959036	9.14673682	51.5980376	1873.06925	2627.48469	2246.33438	1459.30027	8206.18859	274.9862	383.807981	326.023879	213.524458	1198.34252	7.656841	10.7838757	9.20381038	6.05984081	33.7043679
21702	Y88A	NonEnzymeRegulator	0.57188321	8.90111572	23.7636958	13.0512297	46.4846789	86.0052161	1323.54555	3561.04782	1974.68983	6974.28543	13.1093097	203.443184	543.602952	299.107069	1063.74537	0.371394	5.72325095	15.1306803	8.28174371	29.629965
21713	TS3A	NonEnzymeRegulator	2.47986288	17.1035027	25.8944649	3.85735497	49.3351855	398.399248	2691.67809	4030.47391	601.679675	7722.23092	58.0549137	397.654676	599.127789	89.424592	1144.26197	1.70039512	11.4420218	16.9485726	2.537164	32.6281535
21722	LISA	NonEnzymeRegulator	7.35774493	25.1190448	16.3955495	2.31065534	51.1829946	1161.91889	3956.65946	2542.07987	366.792631	8027.45085	170.853235	584.093633	379.220069	53.6880323	1187.85497	4.84319946	16.6837952	10.825038	1.51912854	33.8711611
21731	H4AX	NonEnzymeRegulator	2.4708749	12.0832332	25.2891489	10.4419993	50.2852562	408.690259	1972.94554	4002.69626	1685.35343	8069.6855	58.2078079	282.999696	586.347649	243.170413	1170.72557	1.68975328	8.08314781	16.3528592	6.78513069	32.910891
21742	XEUA	NonEnzymeRegulator	1.48552462	9.72605725	20.842233	15.8135558	47.8673706	228.015599	1476.16829	3142.96338	2373.17295	7220.32022	34.483774	223.938618	480.057642	362.831907	1101.31194	0.98110847	6.27238357	13.4098327	10.0909398	30.7542646
21752	BRFA	NonEnzymeRegulator	0	16.8592811	23.1318385	7.59543666	47.5865563	0	2494.34978	3463.23772	1151.24693	7108.83444	0	385.548904	529.557093	174.155101	1089.2611	0	10.9369365	14.8005659	4.80846456	30.545967
21762	V8TA	NonEnzymeRegulator	3.61927493	20.9780305	17.4672661	5.69729038	47.7618618	530.297919	3230.88428	2649.63994	844.282493	7255.10463	82.8388487	484.691741	402.248582	130.552666	1100.33184	2.34203295	13.6915266	11.3915954	3.69778244	31.1229375
21771	VCCA	NonEnzymeRegulator	1.99849795	15.1605237	23.8777269	8.77469741	49.811446	321.159845	2384.90191	3756.49728	1366.55093	7829.10996	46.7947833	352.460733	554.125485	202.741584	1156.12259	1.37700075	10.1847419	15.7372853	5.6549487	32.9539766
21781	G61A	NonEnzymeRegulator	0.21024921	9.87029456	21.2544318	15.7471101	47.2982267	28.9381671	1375.67104	3031.34404	2266.61783	6733.77981	4.74741355	223.184043	482.940747	358.297836	1074.09928	0.13627788	6.3045866	13.6640139	10.0808126	30.323949
21801	N7SA	NonEnzymeRegulator	10.4097809	12.0121511	13.2315541	13.4166438	49.07013	1508.70906	1734.81513	1933.43113	2138.26003	7315.21535	236.17692	272.81187	301.273441	310.167927	1120.43016	6.45984288	7.43413067	8.25721096	8.56211618	30.7133007
21813	QB8A	NonEnzymeRegulator	1.48953952	16.6331823	25.721854	4.94680868	48.7913845	228.869149	2533.07698	3895.88913	755.503907	7413.33917	34.5007057	384.141203	592.867412	114.333633	1125.84295	1.00423015	10.9609159	16.8577673	3.26301513	32.0859285
21823	A0YA	NonEnzymeRegulator	1.03253193	12.0406351	21.0176108	15.7098372	49.800615	153.21949	1845.34567	3161.5447	2342.58038	7502.69023	23.6268819	277.473529	482.261417	360.384832	1143.74666	0.67624503	7.91183752	13.5888999	10.1326074	32.3095898
21832	GGCA	NonEnzymeRegulator	2.3663123	15.3057946	26.7222924	3.56837952	47.9627787	350.566802	2289.86931	3960.9327	518.927873	7120.29668	54.2261221	351.193358	611.847732	81.268623	1098.53584	1.51837082	9.85666702	17.1648255	2.24231755	30.7821809
21843	KWRA	NonEnzymeRegulator	7.35311842	24.531116	12.9872735	2.37695159	47.2484595	1152.19899	3858.61326	2111.2913	367.555985	7489.65953	170.42261	569.229527	303.566054	54.9848069	1098.203	4.87478106	16.258243	8.66227855	1.55408087	31.3493835
21852	DTJA	NonEnzymeRegulator	2.07239865	11.9494862	18.9456081	14.1192724	47.0867653	289.480136	1717.82832	2800.48265	2080.7763	6888.56741	46.9076437	271.664486	433.154348	322.563766	1074.29024	1.3307252	7.58131627	12.0788646	8.98992821	29.9808343
21864	DXKA	NonEnzymeRegulator	2.13708466	14.7270221	22.4041872	8.66997209	47.9382661	319.728592	2272.34198	3423.5764	1288.19316	7303.84014	49.1188286	340.098985	516.412412	198.540659	1104.17088	1.3804764	9.62631689	14.6283682	5.57638759	31.211549
21873	L51B	NonEnzymeRegulator	2.63735775	13.4934273	20.4029878	12.5327593	49.0665322	412.597608	2066.50579	3078.91141	1951.35735	7509.37216	61.182772	311.046703	468.160888	288.867696	1129.25806	1.75094055	8.85461267	13.1253027	7.98586221	31.7167182
21882	O90A	NonEnzymeRegulator	3.47495751	23.2031198	14.5726894	7.27700096	48.5277676	512.437924	3455.69627	2239.97569	1097.58887	7305.69875	79.4916209	531.508255	336.258081	166.708077	1113.96603	2.26614151	15.033468	9.49354043	4.57931108	31.3724611
21892	DEJA	NonEnzymeRegulator	2.10088446	14.5489967	21.8930106	10.3656301	48.9085219	311.519359	2208.77336	3338.4625	1566.91912	7425.67433	48.0847435	335.063659	504.060247	238.061282	1125.26993	1.35288396	9.543062	14.2842549	6.73073552	31.9109364
21902	DQAA	NonEnzymeRegulator	0.38754004	8.30116635	23.2080958	15.9124418	47.8092439	66.1427037	1298.63482	3606.45258	2445.24831	7416.47841	9.13242601	193.213708	538.77849	367.827214	1108.95184	0.25376134	5.49163854	15.2590633	10.3290478	31.333511
21913	IJJA	NonEnzymeRegulator	2.54580612	17.7420793	19.7870967	6.90299107	46.9779732	392.097386	2672.70972	2977.34409	1089.73137	7131.88256	59.0372072	408.072743	454.175186	160.550266	1081.8354	1.6984091	11.5618178	12.6581351	4.52340886	30.4417708
21924	EA9A	NonEnzymeRegulator	2.38180042	15.236379	19.2966736	8.132693	45.2513323	351.847417	2273.36781	2831.58775	1163.91005	6648.10083	54.4507186	348.340698	439.708739	184.660708	1031.73111	1.53025051	9.75069363	12.2625063	5.20145328	28.8731162
21931	IOMA	NonEnzymeRegulator	8.28765962	34.2161609	4.61507642	1.43230774	48.684266	1295.3684	5210.52109	708.884478	213.362391	7447.98112	191.988057	788.030837	106.115876	32.8383054	1122.01539	5.46709961	22.2358876	2.96463164	0.92762894	31.6793441
21942	B3GA	NonEnzymeRegulator	0.8610415	16.6875291	24.5764388	5.64491956	48.1721411	129.087466	2438.63275	3569.17262	821.027506	7019.12831	19.8961841	381.602756	560.481561	128.549621	1099.76105	0.5722917	10.7812374	15.6900267	3.55886933	30.8578727
21953	TWFA	NonEnzymeRegulator	12.0210574	12.2680801	14.7300073	14.3270822	53.3462269	1793.52328	1861.69946	2222.11285	2169.3844	8046.72	274.237505	281.293383	337.019897	327.66609	1220.21688	7.44782391	7.73949414	9.28252206	8.96061471	33.4304548
21961	P5ZB	NonEnzymeRegulator	1.31728335	10.9031995	25.4559893	12.6560325	50.3325046	201.741778	1696.20874	4001.793	1936.86748	7836.611	30.3725903	252.294386	591.0701	292.117505	1165.85458	0.86302765	7.19242142	16.8365151	8.26885528	33.1608195
21973	MQZA	NonEnzymeRegulator	1.69749673	9.71870378	24.1393585	14.2839297	49.8394887	272.936903	1540.39399	3765.74411	2272.46611	7851.54111	39.5239995	225.652816	557.502958	330.964304	1153.64408	1.13679441	6.46666768	15.700641	9.27462818	32.5787313
21982	V8IA	NonEnzymeRegulator	1.27336887	9.76623962	27.8368025	9.68546417	48.5618752	193.207273	1521.19815	4321.16744	1487.60267	7523.17554	29.3266325	226.294934	643.64795	223.087184	1122.3567	0.82415115	6.43696334	18.210428	6.2309475	31.70249
21991	T2DA	NonEnzymeRegulator	2.61031482	17.5801061	22.7488256	4.5958173	47.5350638	370.229802	2564.56042	3375.08358	677.827209	6987.70102	59.3981255	401.726131	520.788314	105.164627	1087.0772	1.69546069	11.4097032	14.6355314	2.96306409	30.7037594
22002	ZW2A	NonEnzymeRegulator	5.4797809	12.5593147	20.3993697	11.8478376	50.2863029	811.743485	1902.35095	3032.76968	1789.93098	7536.7951	125.395926	288.234176	466.077885	271.905441	1151.61343	3.58393066	8.0760656	12.8535933	7.59623918	32.1098287

2201	4DWRA	NonEnzymeRegulator	1.79165368	11.1747753	24.1498402	11.1098713	48.2261405	276.232774	1718.12422	3694.14864	1710.79637	7399.302	41.2344216	257.639514	556.074741	255.84988	1110.79856	1.14547329	7.2371776	15.6113432	7.14993733	31.1439314
2202	3NKEA	NonEnzymeRegulator	2.43221141	13.4706052	22.7344574	10.2319738	48.8692478	371.142772	2024.17463	3459.7413	1564.84882	7419.90752	56.1011071	309.318857	521.949017	235.216126	1122.58511	1.61446988	8.79184172	14.5816391	6.55229638	31.5402471
2203	1QW2A	NonEnzymeRegulator	6.74316381	35.0969817	4.09795851	1.53373957	47.4718436	1037.21105	5126.27795	623.894235	263.748588	7051.13183	156.013425	800.715159	94.5432755	36.6276025	1087.89946	4.48290979	22.466643	2.65155946	1.07039199	30.6715042
2204	1WVQA	NonEnzymeRegulator	4.14731475	27.2232675	9.64423202	8.0676188	49.0824331	634.045938	4057.454	1457.91608	1218.93141	7368.34744	95.6809012	623.563856	221.163461	184.615598	1125.02382	2.76074268	17.6451887	6.18206119	5.09196905	31.6799616
2205	1JHJA	NonEnzymeRegulator	1.5807532	15.7950217	25.2651008	6.35557316	48.9964489	241.319813	2437.952	3886.62334	974.422337	7540.31749	36.4773469	364.519825	582.233231	145.968501	1129.1989	1.04649851	10.3081231	16.2627076	4.02509903	31.6424282
2206	2DLBA	NonEnzymeRegulator	4.30816528	30.1262604	11.7604927	1.9545694	48.1494878	611.38766	4349.08643	1658.7925	304.432115	6923.6987	97.9999913	686.034305	266.389067	45.4419694	1095.86533	2.77997794	19.3141856	7.37866434	1.30491471	30.7777425
2207	1KGDA	NonEnzymeRegulator	2.01059639	14.8697488	23.5460368	8.90122134	49.3276033	297.402883	2277.82938	3595.45402	1315.6179	7486.30418	46.0352986	342.362717	542.155925	203.876414	1134.43036	1.32848544	9.71329921	15.1936441	5.61897982	31.8544085
2208	2F46A	NonEnzymeRegulator	1.37917218	10.8072732	19.760827	17.3093837	49.2566561	212.305339	1672.83538	3024.89881	2656.38844	7566.42797	31.9364638	249.605682	454.426484	397.901627	1133.87026	0.91390237	7.05202179	12.7135447	11.0158897	31.6953586
2209	3CHMA	NonEnzymeRegulator	3.1482453	18.4748131	21.7861255	5.3838265	48.7930104	481.863602	2779.90698	3217.96426	781.230148	7260.96499	72.5327434	424.492664	498.760359	122.533456	1118.31922	2.08150415	12.04757	14.0593803	3.3849749	31.5734294
2210	3DNJA	NonEnzymeRegulator	0.60887598	10.4325388	25.1610587	13.3127171	49.5151907	88.0424289	1574.86906	3857.85633	2086.84508	7607.6129	13.8940596	240.299823	579.979814	308.069503	1142.2432	0.39552074	6.82403555	16.2222762	8.58661027	32.0284427
2211	1X0TA	NonEnzymeRegulator	8.75486242	30.5791451	7.95411812	4.78501274	52.0731384	1425.8898	4665.78716	1246.20458	771.57293	8109.45447	204.313435	703.846074	183.775048	110.952039	1202.8866	5.81773564	19.8386236	5.13407339	3.08153637	33.8719689
2212	1XPPA	NonEnzymeRegulator	10.3925633	28.6989607	7.64180296	3.67755947	50.4108864	1535.72448	4252.95105	1176.94733	597.1215	7562.74436	236.901692	656.471023	176.317419	85.8189137	1155.50905	6.61576351	18.3411887	4.96301082	2.39054118	32.3105042
2213	2PXXA	NonEnzymeRegulator	1.3770532	9.80635236	23.1192041	13.8556002	48.1582098	201.654024	1506.80044	3664.2183	2189.20767	7561.88043	31.4980054	226.459153	537.215571	321.605446	1116.77817	0.89719648	6.4421119	15.2718405	9.09112449	31.7022733
2214	3U2UA	NonEnzymeRegulator	1.7787543	12.9609291	25.7399235	7.95137305	48.43098	270.952696	1976.19727	3977.61235	1220.78094	7445.54325	41.1087955	298.851	595.137311	183.456408	1118.55351	1.17804077	8.54200967	16.907608	5.20002299	31.8276814
2215	1RKIA	NonEnzymeRegulator	4.57442099	23.9091656	18.1050586	3.65908907	50.2477342	683.530011	3559.43175	2782.16711	548.63393	7573.7628	104.991785	548.417171	418.264582	83.7984197	1155.47196	3.01639717	15.5899211	11.8981443	2.29756395	32.8020266
2216	3PESA	NonEnzymeRegulator	8.97993707	23.2120629	12.5639635	4.3728119	49.1287753	1429.47403	3586.99965	1977.8936	669.897217	7664.26448	208.919839	535.758455	290.620848	101.612344	1136.91149	5.87581297	15.011468	8.12524143	2.91031034	31.9228328
2217	2WFIA	NonEnzymeRegulator	0.83620605	7.54661779	24.214831	14.9672215	47.5648763	134.601662	1179.32311	3726.44683	2254.90025	7295.27186	19.5837182	175.243707	558.832745	343.373817	1097.03399	0.56717557	5.00619173	15.7021112	9.56787337	30.8433519
2218	3BHDA	NonEnzymeRegulator	0	15.156098	25.0655131	8.37817447	48.5997856	0	2335.3714	3773.49196	1212.126	7320.98937	0	349.385493	574.852779	190.532549	1114.77082	0	9.84396442	16.1072579	5.30333177	31.2545541
2219	1KS8A	NonEnzymeRegulator	1.81434494	11.685063	25.8681831	7.92378073	47.2913718	287.090045	1843.42598	4033.03927	1222.56535	7386.12065	42.2571759	271.272953	598.476647	183.099403	1095.10618	1.21281285	7.73164652	16.8492827	5.11953129	30.9132734
2220	1DF4A	NonEnzymeRegulator	4.42098811	20.1855669	16.9594278	8.67217498	50.2381578	671.102165	3085.69793	2658.32877	1340.44997	7755.57884	101.550147	464.506942	392.76705	200.102241	1158.92638	2.85962124	13.0503797	11.0249181	5.60343957	32.5383586
2221	2MCMA	NonEnzymeRegulator	2.21670691	12.2186274	20.7305134	7.43873712	42.6045847	320.508682	1736.47102	2989.44177	1072.29854	6118.72001	50.4601753	277.30718	471.550726	169.29018	968.608261	1.39700094	7.69278596	13.1337353	4.74212016	26.9656424
2222	2YBYA	NonEnzymeRegulator	6.21115505	16.9145704	16.7878785	8.79631772	48.7099217	985.223194	2722.45275	2659.95748	1346.8643	7714.49773	144.792285	395.537679	390.904537	203.463469	1134.69797	4.13251827	11.3037589	11.1168077	5.75456733	32.3076522
2223	3QC7A	NonEnzymeRegulator	13.3818868	9.41440817	13.218605	10.3540376	46.3689375	1913.44102	1370.30918	1866.36089	1421.7332	6571.8443	303.61065	214.497611	298.705276	232.9449	1049.75844	8.44052836	5.9915504	8.32892707	6.45407257	29.2150784
2224	1L3KA	NonEnzymeRegulator	4.87863768	22.0082675	17.2417614	5.12550364	49.2541703	734.33876	3403.16155	2671.28958	776.276878	7585.06676	111.935265	508.138231	397.816396	117.176009	1135.0659	3.14447707	14.3873292	11.1071246	3.17111731	31.8100482
2225	2VQ4A	NonEnzymeRegulator	0.96561245	17.9805177	18.3964493	10.7842983	48.1268777	150.026653	2862.25926	2863.65487	1655.44366	7531.38444	22.4114835	419.607413	426.367418	248.923931	1117.31025	0.65326244	12.1672469	12.1587229	7.03736876	32.0166009
2226	1N13A	NonEnzymeRegulator	6.05421254	22.28245	10.4341884	6.53189111	45.3027421	870.462338	3196.54787	1526.29533	1094.49512	6687.80066	137.496689	505.823947	238.096384	154.172672	1035.58969	3.88438593	14.192285	6.6498896	4.47541873	29.2019793
2227	1VP8A	NonEnzymeRegulator	3.12586351	18.3466508	21.7846487	4.6131656	47.8703285	447.469433	2744.17954	3275.88316	692.845541	7160.37767	70.9910776	419.381723	498.80887	105.358588	1094.54026	1.99657985	11.6522777	13.8465259	2.89419453	30.389578
2228	2R0XA	NonEnzymeRegulator	2.69275224	15.7003609	25.9044501	3.01597191	47.3135351	411.709057	2339.97056	3931.23992	450.554405	7133.47393	62.0389864	359.935629	594.782188	69.1560409	1085.91284	1.76343543	10.1679384	16.5481599	1.93763967	30.4171735
2229	3TPDA	NonEnzymeRegulator	1.10513816	13.1715212	20.8452024	13.8610168	48.9828786	173.048389	2008.21421	3182.50848	2139.59103	7503.36211	25.6971132	303.60121	479.994055	319.503343	1128.79572	0.73678844	8.61556848	13.5893939	8.98634156	31.9280924
2230	1UTEA	NonEnzymeRegulator	2.10894647	10.374101	28.3199099	7.35906574	48.1620231	333.079652	1670.27805	4359.44286	1122.42437	7485.22493	49.0270926	242.322013	653.304967	169.142631	1113.7967	1.40786315	6.96497169	18.4392032	4.72776239	31.5398004
2231	2XTTA	NonEnzymeRegulator	6.73535738	19.5592744	13.451243	4.81945195	44.5653267	1011.83912	2991.69107	2005.49676	781.86635	6790.8933	154.87954	451.609129	309.504956	112.672864	1028.66649	4.21687654	12.3014913	8.40860957	3.10435648	28.0313339

2232	3I7MA	NonEnzymeRegulator	1.84204461	6.56091051	26.9667748	13.2099254	48.5796554	280.156188	1005.31654	4163.30756	2043.4862	7492.26648	42.5483267	151.635162	622.697243	305.049984	1121.93072	1.24017422	4.37530243	17.6314995	8.5874231	31.8343993
2233	3OSXA	NonEnzymeRegulator	2.57921438	20.8799558	20.5757822	3.94247794	47.9774303	369.756606	3032.74289	2959.60315	584.695872	6946.79852	58.6664014	475.607608	467.509363	89.9113208	1091.69469	1.67674644	13.3273859	13.0421592	2.45178032	30.4980718
2234	2XFRA	NonEnzymeRegulator	1.92892883	13.2710434	27.2333697	6.13706908	48.570411	289.235037	2064.98866	4266.72757	963.063198	7584.01446	44.363629	307.392997	631.380036	141.979547	1125.11621	1.25950654	8.7213445	17.8562917	3.97333851	31.8104813
2235	1X9DA	NonEnzymeRegulator	1.52671611	13.5120899	31.2893012	2.99503713	49.3231444	235.617514	2072.48818	4916.33691	466.640756	7691.08336	35.3212757	312.260054	725.150874	69.0971664	1141.82937	1.00950338	8.93423359	20.5777976	1.92117373	32.4427083
2236	1TJXA	NonEnzymeRegulator	2.56577154	19.9915433	22.0706346	4.19661719	48.8245667	380.659195	3038.59337	3304.81894	612.445944	7336.51745	58.7532573	460.429961	506.445215	95.9406568	1121.56909	1.67709081	13.0956371	14.2317258	2.7086932	31.7131469
2237	1FIUA	NonEnzymeRegulator	4.3535631	22.003333	15.6799683	6.10596965	48.1428341	652.580372	3361.99275	2352.91517	886.748746	7254.23704	99.9717617	505.793093	359.351888	138.918788	1104.03553	2.8389877	14.1459556	10.0410063	3.82339735	30.849347
2238	3H4XA	NonEnzymeRegulator	1.45531349	8.03008207	23.4199153	14.1818631	47.2270603	218.077449	1237.74076	3689.19752	2204.37644	7369.84042	33.4695589	185.708788	542.484142	326.977432	1091.81937	0.97208002	5.33677846	15.2507874	9.06545733	30.71127
2239	2Y1QA	NonEnzymeRegulator	2.16206115	16.9442288	24.5063146	4.43779239	48.0503969	312.911365	2466.60312	3632.30255	673.39025	7085.20729	49.1638088	385.204676	559.368036	101.607132	1095.34365	1.39616632	10.7322773	15.5379877	2.78915386	30.4555851
2240	2FOZA	NonEnzymeRegulator	2.96983393	16.9845733	24.3881418	2.78452358	47.1270726	431.389679	2571.64231	3681.08866	414.251467	7098.37212	67.85359	390.841734	560.178483	63.7262659	1082.60007	1.89739663	11.019045	15.6572205	1.76059731	30.3342594
2241	2VOVA	NonEnzymeRegulator	1.89721369	10.2161437	22.3615712	13.0143814	47.48931	309.089774	1641.41785	3462.00284	1930.2151	7342.72556	44.4795899	238.585162	517.1862	297.958916	1098.20987	1.29649178	6.87971088	14.757613	8.3519595	31.2857751
2242	2IW1A	NonEnzymeRegulator	1.47476703	13.8501843	23.7523749	9.77116141	48.8484876	225.084975	2126.54527	3691.2492	1514.3362	7557.21565	34.0129829	319.962439	549.125958	225.120533	1128.22191	0.96767304	9.1050615	15.4701486	6.2570688	31.7999519
2243	2APJA	NonEnzymeRegulator	3.4311291	19.6567415	22.3164862	2.38901133	47.7933682	524.594068	2949.24228	3388.55111	377.765766	7240.15323	79.3004841	451.033946	512.846671	55.3024621	1098.48356	2.26242902	12.7029566	14.3758604	1.52609835	30.8673444
2244	2EPLX	NonEnzymeRegulator	3.86296356	21.8899814	18.9184111	4.55199669	49.2966893	619.643029	3380.53659	2857.62218	688.757653	7557.65509	90.1133789	506.459419	434.676296	104.577406	1137.51102	2.57369957	14.397502	12.2439084	2.93337044	32.1955632
2245	1CCWA	NonEnzymeRegulator	1.82751856	7.28283989	28.9541168	9.53817038	47.6026457	274.100965	1079.04159	4260.46116	1435.75006	7049.35377	42.047229	167.003136	662.080874	219.082737	1090.21398	1.2219224	4.77360408	18.6853246	6.14253008	30.8233812
2246	2VHAA	NonEnzymeRegulator	2.16971138	14.9277773	21.8407793	9.40366685	48.3419348	333.180716	2271.21067	3287.28669	1363.79115	7255.46923	50.1523276	344.029584	501.711463	214.125133	1110.01851	1.41371016	9.68536202	14.1580297	5.98706298	31.2441648
2247	2VFOA	NonEnzymeRegulator	11.298395	21.2962348	9.16938448	5.29229306	47.0563073	1715.1153	3235.54904	1364.31524	802.834655	7117.81422	259.958525	489.842037	210.122899	121.809529	1081.73299	7.34292178	13.7734905	5.93593797	3.46266431	30.5150146
2248	2PA7A	NonEnzymeRegulator	2.9362245	28.0439071	15.0294668	3.2651566	49.274755	434.101563	4303.10785	2280.76071	475.689077	7493.6592	67.4489821	647.93606	346.041996	74.3031415	1135.73018	1.94576119	18.3546725	9.7775748	2.07691815	32.1549266
2249	1WHIA	NonEnzymeRegulator	2.68635677	17.6383065	23.812271	4.63059797	48.7675322	387.735918	2616.01296	3572.68395	725.982405	7302.41524	61.0775741	402.652898	544.656927	106.615207	1115.00261	1.70994737	11.2544786	15.1356351	2.91193547	31.0119966
2250	4DDPA	NonEnzymeRegulator	1.04427265	12.5590645	24.9543863	11.0807923	49.6385158	161.555869	1973.60889	3944.27357	1741.61419	7821.05252	24.2113937	291.809252	580.003986	257.034892	1153.05952	0.70212117	8.38661673	16.4847475	7.29111376	32.8645991
2251	4AU1A	NonEnzymeRegulator	7.09764755	29.4900471	8.61074081	1.22649623	46.4249317	1034.94525	4409.46218	1284.46501	198.637896	6927.51033	162.120759	675.707072	197.340891	28.6929552	1063.86168	4.57950259	18.911992	5.50182516	0.80729214	29.8006119
2252	3VMNA	NonEnzymeRegulator	3.13541628	17.8044724	19.6547865	7.56588352	48.1605586	489.137477	2717.75876	2976.07817	1127.65658	7310.63098	72.7585232	410.330711	452.380174	173.40344	1108.87285	2.08164695	11.5543458	12.754434	4.83575808	31.2261848
2253	4ES1A	NonEnzymeRegulator	6.35916147	26.0697405	13.5843174	3.09138903	49.1046084	967.754028	3831.18617	1982.02694	461.306839	7242.27397	146.390792	595.211088	309.941691	71.3405988	1122.88417	4.13115465	16.645088	8.5754459	2.07672625	31.4284148
2254	1WBHA	NonEnzymeRegulator	0.84444191	11.7265994	20.888317	13.1698859	46.6292443	122.194294	1731.55705	3093.08071	1934.06549	6880.89756	19.248902	268.55524	477.977074	301.156278	1066.93749	0.54833357	7.68259028	13.4931338	8.46877978	30.1928375
2255	2FG1A	NonEnzymeRegulator	2.10126817	18.5320491	25.0368309	3.0738069	48.7439551	321.527869	2822.99109	3858.09697	461.24273	7463.85866	48.4228594	426.813367	578.218881	70.5296708	1123.98478	1.3601516	12.0983501	16.4773346	1.98747603	31.9233122
2256	1VLYA	NonEnzymeRegulator	2.47345652	18.3246573	24.2142314	3.04522528	48.0575704	391.300986	2822.15577	3642.10122	473.184478	7328.74245	57.3308207	422.40936	554.986136	70.2258326	1104.95215	1.63197894	11.9512313	15.4860937	1.9586502	31.0279541
2257	1QWOA	NonEnzymeRegulator	3.62685639	20.2769955	19.4249249	4.34708417	47.675861	588.287077	3124.32228	2953.23554	660.959575	7326.80447	84.7191984	468.522478	447.125262	99.9709973	1100.33794	2.41855323	13.298128	12.582261	2.81707042	31.1160126
2258	1GQIA	NonEnzymeRegulator	2.68998328	16.0794737	23.0932336	6.90885317	48.7715438	430.302568	2551.491	3617.62566	1065.43678	7664.856	62.7536283	373.836149	534.727169	159.12687	1130.44382	1.79113016	10.614724	15.0982379	4.44569268	31.9497847
2259	2YHGA	NonEnzymeRegulator	2.00364156	13.9508699	23.4424129	7.58297607	46.9799005	329.008906	2188.63467	3605.81997	1110.88879	7234.35234	47.0134299	323.298187	541.202246	172.886502	1084.40037	1.35009257	9.11011151	15.1825894	4.76958192	30.4123754
2260	3V4KA	NonEnzymeRegulator	2.62352218	15.5683319	26.0710276	4.90884879	49.1717305	407.311571	2455.03968	4143.6965	801.962293	7808.01004	60.9004942	362.07582	605.574358	114.692456	1143.24313	1.74607335	10.3068654	17.0152165	3.21876557	32.2869208
2261	1J2JB	NonEnzymeRegulator	4.91542773	20.980102	18.2665619	6.20557387	50.3676656	705.078004	3039.78624	2657.84435	926.882512	7329.5911	111.735044	478.092068	416.212076	142.11339	1148.15258	3.13931074	13.3434838	11.4614856	3.8756541	31.8199343
2262	3TQ2A	NonEnzymeRegulator	10.3895844	14.2521698	11.4444323	13.9265702	50.0127567	1556.30751	2062.55152	1618.14904	1944.08813	7181.0962	240.624402	325.505892	259.213412	314.319017	1139.66272	7.00482187	9.29142135	7.31640052	8.82733936	32.4399831

2263	2B4HA	NonEnzymeRegulator	7.67450158	20.7960804	14.0685305	5.81065661	48.3497691	1228.93475	3207.55535	2202.6958	876.174735	7515.36064	178.980852	480.080218	326.243411	133.702748	1119.00723	5.12266759	13.5599683	9.27719236	3.80968452	31.7695128
2264	3R72A	NonEnzymeRegulator	0.44192161	11.2101175	27.1700529	10.5020276	49.3241195	76.3524088	1729.95328	4058.92937	1502.6825	7367.91755	10.5528132	260.029235	624.478174	239.411219	1134.47144	0.31401748	7.40175737	17.5348308	6.6546452	31.9052508
2265	1VYRA	NonEnzymeRegulator	1.21508475	9.1113031	24.5602546	12.5768641	47.4635065	188.165963	1404.28494	3747.9071	1893.92375	7234.28174	28.0170503	210.158978	564.631556	287.940908	1090.74849	0.78949511	5.93821787	15.7835508	7.94646552	30.4577294
2266	3KZ5A	NonEnzymeRegulator	1.07117073	20.8573665	23.1584608	4.21652985	49.3035279	157.661589	3045.62683	3450.29363	606.776662	7260.35871	24.5274076	476.030097	530.032195	95.8943097	1126.48401	0.69967643	13.3522684	14.7779161	2.69241188	31.5222729
2267	2QPXA	NonEnzymeRegulator	2.27849245	14.0266012	23.4735582	8.86419534	48.6428472	355.896219	2192.8101	3660.14321	1411.02418	7619.8737	52.7765239	325.156722	543.111946	206.131253	1127.17645	1.49428622	9.2902946	15.4002645	5.85584853	32.0406938
2268	1GY7A	NonEnzymeRegulator	0	17.5642338	24.6415355	7.03976392	49.2455332	0	2773.40667	3740.73033	1066.86321	7581.0002	0	408.741492	567.020276	162.047705	1137.80947	0	11.7341732	16.0098707	4.54755628	32.2916002
2269	2OIZD	NonEnzymeRegulator	2.52219124	12.0109849	23.6484437	7.14486814	45.326488	392.74418	1846.50908	3677.07836	1131.04446	7047.37608	58.4161565	277.866078	548.935714	166.023434	1051.24138	1.64016988	7.75104809	15.3129745	4.63140142	29.3355939
2270	2VY8A	NonEnzymeRegulator	4.46523451	34.1045488	8.5941956	1.8741819	49.0381608	678.731976	5242.29719	1272.66639	274.424495	7468.12005	102.921294	787.311767	196.503105	42.5236908	1129.25986	2.97262012	22.3356566	5.44743271	1.16565809	31.9213676
2271	3SY1A	NonEnzymeRegulator	2.91265684	14.1626768	28.0216491	2.50804343	47.6050262	448.584774	2134.87694	4183.92579	380.435674	7147.82317	67.4039618	325.305716	640.767352	57.735928	1091.21296	1.93517753	9.17142538	17.7643319	1.59772986	30.4686647
2272	3L84A	NonEnzymeRegulator	4.29536458	17.9901715	20.8445391	4.66016231	47.7902375	667.302596	2769.59854	3127.89898	688.479341	7253.27945	99.3379989	415.128961	478.071953	106.611722	1099.15064	2.83090296	11.7704842	13.4831441	3.01151972	31.096051
2273	1VH5A	NonEnzymeRegulator	2.24944353	14.2945317	24.3347657	7.08950902	47.9682499	323.411827	2169.52908	3691.35402	1073.92967	7258.2246	51.1454085	328.702903	559.057323	162.526575	1101.43221	1.4358268	9.25028124	15.6278987	4.52086944	30.8348762
2274	3NYTA	NonEnzymeRegulator	2.07930709	12.7750389	22.5191887	9.77153296	47.1450677	311.863435	1908.42178	3303.23097	1454.81833	6978.33451	47.8474658	293.603515	514.217402	223.332834	1079.00122	1.35397215	8.3253197	14.4163311	6.19878741	30.2944104
2275	2W7AA	NonEnzymeRegulator	2.0750124	21.7837235	22.5703017	3.56797448	49.9970121	308.09247	3248.03534	3378.2236	567.725239	7502.07665	47.3524876	497.395649	515.732259	82.2342303	1142.71463	1.33102892	13.84038	14.2094363	2.19995458	31.5807997
2276	4EYSA	NonEnzymeRegulator	1.4600774	9.52455914	22.8406798	14.988365	48.8136813	223.102677	1440.54303	3482.67195	2257.7186	7404.03626	33.7033404	219.228518	526.259886	344.164706	1123.35645	0.95845948	6.26081748	15.0015927	9.71580218	31.9366719
2277	1YD0A	NonEnzymeRegulator	1.16439487	7.41399794	23.5611216	19.0484832	51.1879976	179.099413	1126.9277	3567.56346	2865.78008	7739.37065	26.9837069	170.667928	541.140849	437.133157	1175.92564	0.78845347	4.86933081	15.2644717	12.2999182	33.2221741
2278	2HINA	NonEnzymeRegulator	2.28778233	24.7060278	17.0615209	4.24292362	48.2982546	342.711823	3748.05897	2631.14384	654.536678	7376.45131	52.5464624	567.697919	393.824737	97.8855586	1111.95468	1.47425137	15.9427016	11.1022495	2.67059435	31.1897968
2279	3FJUB	NonEnzymeRegulator	2.10306168	15.1086407	23.1675659	7.22917677	47.608445	305.410031	2202.28595	3494.97999	1090.36181	7093.03778	48.3233874	345.892284	533.166425	166.437638	1093.81973	1.35102742	9.5717226	14.8349177	4.63030052	30.3879682
2280	2X5YA	NonEnzymeRegulator	2.0868594	11.3437014	22.6937462	13.4025616	49.8309483	333.913245	1762.92753	3513.62774	2071.02616	7730.80482	48.8773812	263.162776	525.170161	309.927139	1154.22907	1.44144422	7.58834246	14.9300493	8.79203715	32.9535065
2281	3N0UA	NonEnzymeRegulator	1.88736449	12.2798319	25.0717449	11.4843631	50.7233045	298.625159	1913.80336	3876.47037	1737.2559	7826.15478	43.7948505	284.108079	578.519784	263.433063	1169.85578	1.23620894	8.08249351	16.3722491	7.34904041	33.039992
2282	3KLRA	NonEnzymeRegulator	1.98710476	16.6118752	24.7546569	4.33094694	47.6845838	324.249566	2559.09293	3618.3742	626.804406	7128.5211	46.4988959	384.178491	565.981965	98.73897	1095.39832	1.33839772	10.9490193	15.9490706	2.78293193	31.0194195
2283	3QNSA	NonEnzymeRegulator	1.91199165	14.4516215	21.49412	8.93821343	46.7959466	299.113637	2202.99891	3275.03649	1313.31314	7090.46218	44.3950741	333.149138	494.439812	203.7437	1075.72772	1.27912312	9.49158355	13.8649141	5.5930607	30.2286814
2284	3MBRX	NonEnzymeRegulator	2.63415722	13.1852664	28.9041429	4.35908609	49.0826526	405.105873	2087.76668	4515.45576	666.465536	7674.79385	60.8027562	306.080726	668.018401	100.271363	1135.17325	1.7405487	8.73719019	18.795672	2.8142424	32.0876532
2285	3C8CA	NonEnzymeRegulator	5.11624807	20.43342	16.4794429	5.33609853	47.3652095	765.697838	3079.66568	2498.13266	787.975027	7131.47121	117.45946	469.508173	378.957901	121.702831	1087.62837	3.359883	13.3271534	10.6915535	3.35841491	30.7370048
2286	3VMVA	NonEnzymeRegulator	1.51559675	17.7967816	21.8714742	6.14221166	47.3260642	228.398582	2789.5011	3383.24746	944.153321	7345.30046	34.9192003	412.275469	504.887498	141.251145	1093.33331	0.99529652	11.6543778	14.1699535	3.90528008	30.724908
2287	2WURA	NonEnzymeRegulator	1.30102803	18.7738235	22.3651503	6.03100477	48.4710066	195.553804	2861.03737	3413.3214	905.01286	7374.92544	29.9108826	432.429613	515.627718	138.211855	1116.18007	0.85933672	12.2357553	14.5832631	3.83683753	31.5151926
2288	2GSOA	NonEnzymeRegulator	2.60346235	16.096588	23.7882994	4.99115283	47.4795026	413.600541	2582.45874	3691.66208	749.951016	7437.67237	60.5338521	374.931332	548.420088	114.347417	1098.23269	1.71858274	10.6239646	15.2826489	3.15493068	30.7801269
2289	3M73A	NonEnzymeRegulator	3.02767571	21.4969679	23.0315896	1.41629497	48.9725282	463.265188	3367.94848	3651.31694	217.069224	7699.59983	69.9884374	499.859148	536.019198	32.777759	1138.64454	2.03532853	14.5744844	15.4693756	0.9346655	33.013854
2290	3LAGA	NonEnzymeRegulator	0	16.7093503	24.0768969	6.7130206	47.4992678	0	2592.13905	3637.43538	968.44872	7198.02315	0	385.139365	551.522252	152.330432	1088.99205	0	10.7786837	15.264842	4.17469246	30.2182182
2291	2P0NA	NonEnzymeRegulator	2.1221435	17.3223177	18.8552464	10.4688197	48.7685273	342.924218	2753.28876	2871.87393	1559.14909	7527.236	49.5648371	402.309016	434.031863	240.385758	1126.29147	1.40306452	11.3623819	12.2316138	6.80905651	31.8061168
2292	3HV8A	NonEnzymeRegulator	2.04452422	11.534858	26.289891	8.62872077	48.497994	317.96475	1745.57344	3996.26901	1264.51189	7324.31908	47.355772	265.474105	604.919554	196.832594	1114.58203	1.36423591	7.59223182	17.1550487	5.51494942	31.6264658
2293	1GKPA	NonEnzymeRegulator	2.79037936	18.1230884	22.9512463	4.06461978	47.9293338	425.852518	2793.67572	3493.41233	592.481277	7305.42185	64.3347497	418.953479	528.205856	92.6482368	1104.14232	1.81821962	11.9213917	14.8697903	2.60255659	31.2119582

2294	3A6RA	NonEnzymeRegulator	1.21956662	20.854834	20.4809138	4.65172682	47.2070412	178.860687	3138.12387	3156.047	704.197266	7177.22882	27.9119809	478.727468	472.154222	106.341094	1085.13477	0.79822494	13.5716141	13.2241141	2.89551335	30.4894665
2295	3GNZP	NonEnzymeRegulator	1.7035523	9.81761905	23.0125258	13.0060558	47.5397529	285.25129	1552.63714	3572.7357	1999.70204	7410.32617	40.2404439	228.394372	532.163438	299.957838	1100.75609	1.16709167	6.52789412	15.0296154	8.41818732	31.1427886
2296	4AY0A	NonEnzymeRegulator	2.82924995	15.3085668	22.7098582	8.13929431	48.9869693	443.852628	2349.17744	3459.85354	1229.14133	7482.02493	65.6678246	353.245243	522.83877	186.785936	1128.53777	1.89499171	10.0357747	14.828033	5.26680296	32.0256023
2297	3DK9A	NonEnzymeRegulator	1.67347674	15.3370015	22.7776273	7.32896103	47.1170665	246.162445	2280.12164	3399.92225	1102.97728	7029.1836	38.3653732	351.747191	522.179922	168.428933	1080.72142	1.09257076	9.91679843	14.6594016	4.73588492	30.4046557
2298	1Q6OA	NonEnzymeRegulator	0	10.8207004	17.3349814	19.733703	47.8893848	0	1598.89096	2627.7297	2998.15254	7224.7732	0	247.644529	398.417499	453.430194	1099.49222	0	7.02286116	11.2089048	12.6618646	30.8936305
2299	3SGGA	NonEnzymeRegulator	2.70523016	15.2603767	22.101457	8.03815558	48.1052194	416.20757	2375.42364	3363.12073	1198.33131	7353.08325	62.5408937	353.461494	508.553987	184.001848	1108.55822	1.78744978	10.0695634	14.3496751	5.14413474	31.3508231
2300	3L8WA	NonEnzymeRegulator	5.57599598	23.9768128	15.5077662	3.35256545	48.5881616	848.481261	3650.24534	2398.92821	507.497925	7434.17522	128.200346	551.877935	357.955793	76.9632958	1119.09113	3.59348622	15.5634407	10.0879653	2.14922858	31.5116169
2301	3ISXA	NonEnzymeRegulator	2.91565569	20.0374824	20.6532687	4.28145395	47.8878607	426.827967	2974.63569	3117.08169	632.115449	7150.66079	66.4853933	458.437336	473.862634	97.5794899	1096.36485	1.84762532	12.9124673	13.3311256	2.65920352	30.7504217
2302	1SVFA	NonEnzymeRegulator	10.9672021	11.4436581	11.1425985	10.8505105	44.4039691	1524.89452	1632.08941	1596.55444	1539.10509	6292.64346	247.020581	259.031068	252.484839	245.796391	1004.33288	6.74018413	7.13906783	6.94799406	6.85304685	27.6802929
2303	3ZSUA	NonEnzymeRegulator	4.12689821	25.3443656	15.3716751	3.28415105	48.5211168	610.98774	3818.9773	2285.45406	485.269438	7260.20739	94.7561517	582.07594	351.460903	75.1978751	1112.58188	2.67041495	16.2679568	9.77897657	2.11527079	31.0924184
2304	2R5OA	NonEnzymeRegulator	10.2205119	31.7489985	5.38270213	1.14317031	48.4953829	1596.78713	4830.26413	824.240302	175.342192	7426.63375	237.016357	731.100348	124.359864	26.5199893	1118.99656	6.82268654	20.6546641	3.51589811	0.75764441	31.7508932
2305	3PV8A	NonEnzymeRegulator	2.13315173	13.9738447	24.44599	8.6843772	49.317284	316.492697	2100.15124	3708.37242	1317.05718	7454.18909	48.7343303	320.7725	561.959515	199.940444	1133.24533	1.35533116	9.03778161	15.7670679	5.65920039	31.8708233
2306	3M66A	NonEnzymeRegulator	2.80303233	17.7786979	20.4866938	9.28305026	50.3514743	414.886082	2693.09431	3104.20364	1414.6983	7626.88232	64.1308641	408.858104	471.157414	213.944172	1158.09055	1.80402629	11.5701692	13.3564251	6.07233118	32.8029517
2307	3E7RL	NonEnzymeRegulator	2.15753517	19.0115727	12.2539176	11.8086243	45.2316499	334.603819	2993.47265	1934.43057	1874.86026	7137.3673	50.5743944	444.271584	285.704871	275.245311	1055.79616	1.41904454	12.4632208	8.08095928	7.84785513	29.8110797
2308	1ZZKA	NonEnzymeRegulator	0.62936955	22.7721113	19.305631	5.11196032	48.3809198	93.8064749	3334.80295	2858.58862	717.274615	7081.38475	14.4274607	518.615249	440.837798	115.749207	1102.42216	0.41107606	14.5081139	12.2839103	3.21432235	30.7776012
2309	1QMGA	NonEnzymeRegulator	1.78558902	14.3704652	23.7390638	7.61904205	47.5141601	263.338765	2184.71873	3611.64796	1135.63434	7195.3398	40.8453881	330.771969	546.566568	174.574851	1092.75878	1.14009685	9.35536495	15.4506074	4.90167669	30.8477459
2310	3NOHA	NonEnzymeRegulator	2.43941769	11.7585275	27.4027777	6.32842555	47.9291484	381.368724	1788.02354	4045.81198	907.344198	7122.54845	56.8590694	271.29118	625.976462	143.539351	1097.66606	1.66543542	7.76655769	17.4274746	3.92674538	30.7862131
2311	2FSRA	NonEnzymeRegulator	14.6794265	31.3062767	0.63907512	1.46723683	48.0920151	2325.47707	4898.88937	106.776859	228.976229	7560.11953	340.741438	724.747219	15.1501277	33.9577992	1114.59658	9.71089822	20.4514682	0.45091921	0.95191562	31.5652012
2312	2PC1A	NonEnzymeRegulator	1.43398312	7.45756698	26.3042098	14.2536824	49.4494423	234.210438	1169.98637	4069.81689	2220.40372	7694.41741	33.5008228	172.891117	607.008651	329.817178	1143.21777	0.95523302	4.93743354	17.087294	9.3200645	32.3000251
2313	1G6UA	NonEnzymeRegulator	10.1200998	16.9286469	16.2792431	5.08375556	48.4117453	1405.92372	2364.97855	2338.32242	724.474028	6833.69872	228.514209	382.50384	370.091293	115.141806	1096.25115	6.39745225	10.7549608	10.4693262	3.24523851	30.8669777
2314	3B34A	NonEnzymeRegulator	2.2124084	19.9895904	22.345235	4.16284453	48.7100783	340.362031	3074.05212	3405.81459	647.734637	7467.96337	51.1115352	461.504743	514.199438	96.2482617	1123.06398	1.44109775	13.0089915	14.455204	2.71515044	31.6204436
2315	3B5MA	NonEnzymeRegulator	2.17877625	11.6035725	22.1926808	11.8889	48.1170113	314.692101	1744.82708	3384.75278	1776.56927	7256.21157	49.5671354	265.962456	509.402888	271.421982	1102.08145	1.41167237	7.48769133	14.1775484	7.45384946	30.6883745
2316	1RDQI	NonEnzymeRegulator	4.71683792	21.0382769	16.5806526	2.38765146	47.0513917	729.304413	3305.89867	2607.10904	391.949788	7408.49166	108.043895	485.607711	383.70143	55.5640018	1086.89614	2.90825642	13.4075024	10.7010014	1.49587318	29.9510376
2317	2YIMA	NonEnzymeRegulator	2.20686103	17.1597474	21.1715637	6.69443392	47.2326061	329.245098	2634.59971	3267.74556	1023.87065	7255.46102	50.8366297	395.942607	488.499147	154.165602	1089.44399	1.45054676	11.160034	13.6811584	4.33747742	30.6292166
2318	3PB6X	NonEnzymeRegulator	2.31958778	11.7068333	27.4789801	7.05819534	48.5635965	345.706544	1792.64785	4287.44329	1079.56137	7505.35906	53.3849299	269.819776	634.886768	162.378055	1120.46953	1.5371125	7.67300386	17.8839623	4.56517476	31.6592534
2319	2BU3A	NonEnzymeRegulator	1.9287776	12.4360089	25.6844247	8.67174346	48.7209547	293.178953	1920.38115	3948.07847	1310.92432	7472.56289	44.4345074	287.205612	591.458919	199.02058	1122.11962	1.28123488	8.17936813	16.601218	5.58674107	31.6485621
2320	2CG7A	NonEnzymeRegulator	7.66877922	17.857633	14.4161621	7.82871843	47.7712927	1220.61661	2791.84291	2249.07065	1218.12466	7479.65483	178.506086	414.066575	334.109973	181.003169	1107.6858	5.0124687	11.5929164	9.34037573	5.0051687	30.9509295
2321	3ZXCA	NonEnzymeRegulator	1.20011155	13.262955	19.2771871	9.63119012	43.3714438	182.999364	1973.06986	2849.12476	1415.22647	6420.42047	27.8269443	306.323468	444.717458	221.336317	1000.20419	0.79908198	8.68341821	12.6103294	6.19214312	28.2849727
2322	1LS1A	NonEnzymeRegulator	4.76245721	19.0218345	17.9145014	7.05597304	48.7547661	710.215875	2852.48438	2669.0458	1042.12633	7273.87238	109.230931	436.056169	409.053033	160.523829	1114.86396	3.12757596	12.2600273	11.3326542	4.3854727	31.1057302
2323	3RQTA	NonEnzymeRegulator	2.1686656	18.5012706	24.7568043	3.42594986	48.8526904	343.666451	2771.54679	3671.57701	503.849282	7290.63953	50.437241	424.537834	565.690993	78.1519996	1118.81807	1.441832	11.9962169	15.800288	2.18103148	31.4193684
2324	3A02A	NonEnzymeRegulator	1.00612225	17.2434826	27.0370962	6.38454084	51.6712418	151.323546	2728.68141	4230.98371	1067.66112	8178.64979	23.1078192	399.764153	625.546234	149.672481	1198.09069	0.6595625	11.2718333	17.5552951	4.20477353	33.6914644

2325	1YN3A	NonEnzymeRegulator	1.029277	12.1180181	20.7898105	14.3981173	48.3352229	151.532731	1764.0702	3035.85566	2105.95099	7057.40958	23.5600975	276.343397	473.952466	327.941005	1101.79696	0.67267109	7.83368412	13.3139908	9.10748067	30.9278267
2326	2RKQA	NonEnzymeRegulator	1.7266198	6.17677401	18.6467337	20.8048906	47.3550181	273.640952	970.312392	2827.85182	3178.56142	7250.36659	40.1959824	143.16832	428.40358	479.510856	1091.27874	1.1648274	4.0789282	11.9502914	13.3859104	30.5799574
2327	3HDXA	NonEnzymeRegulator	1.64064443	17.0916054	23.862115	6.90555826	49.499923	268.187364	2707.20924	3673.81311	1061.49975	7710.70947	38.3804545	396.718932	550.76762	159.256272	1145.12328	1.10279709	11.2936331	15.6263891	4.48428394	32.5071032
2328	2FWHA	NonEnzymeRegulator	1.70593945	6.76904474	26.3113607	13.3615851	48.14793	252.40055	1023.96885	3978.25168	2008.30098	7262.92206	39.1853014	155.944474	605.242471	306.544213	1106.91646	1.12479231	4.46785199	17.0845738	8.55978196	31.2370001
2329	1USEA	NonEnzymeRegulator	11.8460567	14.3655455	12.8255547	12.7770988	51.8142557	1676.3153	2060.00645	1915.89546	1932.8796	7585.0968	268.241285	326.190108	293.449997	292.736711	1180.6181	7.49709728	9.11727771	8.1684086	8.0581223	32.8409059
2330	3BUXB	NonEnzymeRegulator	2.44143523	12.7454095	26.4787021	8.42776519	50.093312	369.364246	1983.92709	4153.34641	1294.85662	7801.49437	56.2744539	295.394235	614.024804	194.630115	1160.32361	1.61047171	8.4695275	17.4715021	5.51333114	33.0648324
2331	3CA7A	NonEnzymeRegulator	3.65424387	15.1099023	18.2687426	10.6831646	47.7160533	576.821738	2414.01611	2898.19188	1623.6618	7512.69153	85.7026535	354.21628	427.086353	247.329091	1114.33438	2.44985753	10.1093596	12.3073425	7.13445879	32.0010184
2332	3RWNA	NonEnzymeRegulator	8.8336779	29.0968455	6.986807	1.76993261	46.687263	1307.23931	4290.17585	1050.55593	264.084591	6912.05569	202.586017	665.426764	159.778117	40.4394606	1068.23036	5.8476699	18.8016338	4.36780418	1.11592123	30.1330291
2333	2CCWA	NonEnzymeRegulator	1.96004789	13.7749231	22.7502394	8.29911889	46.7843292	308.810583	2099.31818	3399.78078	1192.72793	7000.63747	45.6568689	317.991937	522.951546	189.293268	1075.89362	1.32880864	9.00221437	14.6799388	5.28408735	30.2950492
2334	3EWYA	NonEnzymeRegulator	0.38997958	10.0737316	22.136914	15.2554388	47.856064	59.4433965	1511.26058	3337.7876	2258.24266	7166.73424	9.0093325	231.42968	508.263351	348.814413	1097.51678	0.26138482	6.58326233	14.274201	9.74638804	30.8652362
2335	3R14A	NonEnzymeRegulator	1.74492061	10.7416601	22.0928192	13.7426023	48.3220023	260.595188	1608.13019	3356.6421	2123.88628	7349.25376	39.9994592	246.021432	507.753466	317.268309	1111.04267	1.14223948	6.93847294	14.2521669	8.95390835	31.2867877
2336	2XIOA	NonEnzymeRegulator	1.27787127	10.7515628	22.7152692	13.5701942	48.492639	192.795303	1638.6334	3401.29067	2068.14458	7329.29834	29.4463666	248.378214	521.298823	312.336408	1115.59282	0.83970673	7.08294757	14.687747	8.76518116	31.492632
2337	3PP4P	NonEnzymeRegulator	1.91559059	13.5012273	17.2799445	13.8023013	46.4990638	285.014057	2036.52703	2572.58726	2073.94351	6968.07186	44.0566445	312.312799	396.786883	318.066686	1071.22301	1.23036427	8.75578487	11.0000183	8.928178	29.9143454
2338	2IAYA	NonEnzymeRegulator	1.77160482	11.8895601	25.6836593	8.88191707	48.2267413	269.145101	1806.05236	3856.70324	1358.94556	7290.84625	40.7452842	273.59942	589.241218	204.610216	1108.19614	1.15817225	7.80268922	16.6370959	5.7533964	31.3513537
2339	2HUHA	NonEnzymeRegulator	2.07580099	15.5700031	21.9479956	9.39187926	48.985679	317.348577	2375.1162	3363.20813	1423.48565	7479.15856	48.0530827	359.298381	506.65655	215.758454	1129.76647	1.40693667	10.3128537	14.4191134	6.03057425	32.169478
2340	3UIDA	NonEnzymeRegulator	0.25810056	16.4742435	24.1959312	5.82940778	47.0428818	35.6165233	2553.10827	3701.05578	880.615928	7221.72119	5.82205474	381.29736	557.872498	133.710341	1085.45934	0.16237876	10.8935922	15.7430217	3.70015831	30.6804294
2341	2FVYA	NonEnzymeRegulator	1.36296592	16.3331921	19.7347017	9.92446966	47.3553293	203.378975	2431.23545	2919.26738	1487.36186	7041.24366	31.2970293	374.557519	451.437997	227.219486	1084.51203	0.87426047	10.5378642	12.7170576	6.34154138	30.4707237
2342	1QTWA	NonEnzymeRegulator	2.00702045	9.65752634	26.6576914	9.19203545	47.5142736	306.580582	1483.8181	4107.40042	1378.59051	7276.38961	46.3301382	222.833401	614.836976	210.781525	1094.78204	1.31105095	6.32030816	17.2480549	5.87485251	30.7542665
2343	3SUUA	NonEnzymeRegulator	3.08120105	15.6016937	21.3366286	7.55431615	47.5738395	473.202608	2427.4798	3217.3374	1160.13933	7278.15914	71.1659967	361.225933	490.061847	174.16601	1096.61979	2.02246077	10.2690715	13.7822779	4.8973904	30.9712006
2344	3GP2B	NonEnzymeRegulator	9.83962827	15.1143263	14.7256947	9.33355447	49.0132037	1435.51322	2205.71947	2154.59894	1366.38808	7162.21971	223.713209	343.933484	335.881411	213.330509	1116.85861	6.25095878	9.59265629	9.32739474	5.934808	31.1058178
2345	1U7IA	NonEnzymeRegulator	1.85585309	24.0828169	16.1636536	5.72201874	47.8243424	311.949085	3793.49	2525.90757	905.12218	7536.46884	43.8846901	558.841877	373.584394	132.667306	1108.97827	1.29247409	15.9424	10.481741	3.70017979	31.4167949
2346	1DLWA	NonEnzymeRegulator	0	7.60767021	20.6088837	17.2827659	45.4993199	0	1149.28473	3102.49202	2582.20487	6833.98162	0	174.743891	473.061341	396.094804	1043.90004	0	4.93041512	13.2765	11.1037988	29.3107139
2347	1Z70X	NonEnzymeRegulator	2.16566004	10.732485	21.1585029	14.046312	48.1029599	364.808312	1743.16629	3431.47822	2191.33877	7730.79159	51.005302	250.827197	494.427273	324.864805	1121.12458	1.47163373	7.12174697	14.0446214	9.13062241	31.7686245
2348	1Q7LA	NonEnzymeRegulator	2.73987759	15.0319974	21.1100978	9.91338045	48.7953532	409.088958	2283.53347	3308.791	1623.21998	7624.6334	62.9735471	346.307976	488.8535	231.788761	1129.92378	1.7772985	9.79008214	13.8112878	6.55224413	31.9309126
2349	3DQYA	NonEnzymeRegulator	1.80359185	14.5538973	23.7073701	7.59150736	47.6563667	270.944627	2205.42016	3584.59881	1176.18109	7237.14469	41.6247122	335.744001	545.85261	175.580503	1098.80183	1.18614431	9.53436172	15.4510665	4.95164644	31.123219
2350	4DM5A	NonEnzymeRegulator	2.17818125	12.9393447	23.3579009	9.53500879	48.0104357	346.752605	1973.26327	3529.3726	1468.59879	7317.98726	50.8975294	298.526215	535.631879	219.386413	1104.44204	1.47949451	8.46904142	14.8564683	6.06027649	30.8652807
2351	1YQSA	NonEnzymeRegulator	1.55355222	9.86619172	23.7490783	11.3980806	46.5669029	236.213188	1529.67257	3579.14861	1662.28296	7007.31734	35.6915769	228.083931	545.437057	259.74795	1068.96051	1.0051749	6.45429428	15.2630817	7.20874963	29.9313006
2352	1O2DA	NonEnzymeRegulator	0.79238495	12.4392998	23.2218207	11.743358	48.1968635	112.634076	1838.40598	3514.57886	1758.85799	7224.4769	17.9598511	284.574466	533.6377	269.082084	1105.2541	0.49491209	8.02308922	15.1025983	7.57916551	31.1997651
2353	2FCTA	NonEnzymeRegulator	1.32300227	8.24921756	25.1310773	13.8244876	48.5277847	218.059238	1344.0461	3917.49455	2131.0495	7610.64939	31.0380745	193.353071	582.074268	318.601831	1125.06725	0.8946766	5.56415073	16.414341	8.86102158	31.7341899
2354	2AKZA	NonEnzymeRegulator	1.42521064	14.4220839	21.6888969	9.84845427	47.3846457	209.344282	2126.79199	3278.90995	1471.00221	7086.04843	32.5428101	329.931457	498.380489	225.724036	1086.57879	0.91087367	9.22192418	14.0419624	6.35975164	30.5345118
2355	2OIZA	NonEnzymeRegulator	4.45058102	28.2106645	14.4591932	0.4966826	47.7499183	682.988391	4311.81891	2209.22583	69.422662	7291.43808	102.885796	650.472671	332.875858	11.2220013	1100.44587	2.93687473	18.3326332	9.33087419	0.31400417	30.9981382

2356	1US0A	NonEnzymeRegulator	1.51711396	13.22106	27.2247847	6.87350146	48.8364601	227.723853	2042.45304	4114.27201	1017.0213	7401.4702	34.8754966	305.629156	626.257442	157.20701	1123.9691	0.99048152	8.71507854	17.711967	4.39723752	31.8147646
2357	2CYJA	NonEnzymeRegulator	1.67752137	8.01307351	28.2519159	12.530002	50.4725128	243.199812	1180.89797	4173.13557	1846.23383	7443.46718	38.2180715	183.139864	646.664985	286.125085	1154.14801	1.09380733	5.1925527	18.3296121	8.05319953	32.6691717
2358	3A2ZA	NonEnzymeRegulator	2.60600643	17.3525858	20.4755314	8.29013225	48.9545616	413.250634	2793.74267	3181.03429	1252.35221	7674.0211	60.6066403	404.843492	474.055411	190.94348	1135.73382	1.7443623	11.627796	13.4792813	5.3482095	32.344776
2359	1T8KA	NonEnzymeRegulator	0	9.34119948	22.8162322	15.1034855	47.2609171	0	1325.55192	3261.3346	2149.89675	6736.78326	0	211.933927	518.647314	342.84	1073.42124	0	5.95035558	14.4518748	9.47164994	29.8738804
2360	3UAWA	NonEnzymeRegulator	2.44792325	13.8525884	22.7799335	8.32242882	47.402874	351.532248	1994.40625	3393.11425	1263.60524	7002.65799	55.6459244	315.758959	522.181725	191.767915	1085.35452	1.57236629	8.90698366	14.6708997	5.40491918	30.5551689
2361	1PFBA	NonEnzymeRegulator	3.98221391	19.3979479	18.1443239	11.2944251	52.8189108	639.271922	3074.16445	2821.20525	1782.83222	8317.47384	92.6245912	450.00411	419.013867	261.97693	1223.6195	2.63321613	12.742224	11.81179	7.41581075	34.603041
2362	1ODMA	NonEnzymeRegulator	2.21621333	15.3083694	23.1517237	7.91669984	48.5930063	340.235855	2391.62214	3590.46599	1198.84158	7521.16556	51.2880956	354.879381	534.965857	181.867302	1123.00064	1.48980109	10.13222	15.0944294	5.06366371	31.7801142
2363	4EYBA	NonEnzymeRegulator	1.69770898	10.8428457	24.9913378	8.82795539	46.3598478	257.117758	1665.29809	3811.21715	1353.23042	7086.86342	39.0544868	250.370177	575.403853	203.412823	1068.24134	1.09594845	7.09218601	16.149996	5.68323525	30.0213657
2364	4E7UA	NonEnzymeRegulator	0	13.0793998	30.4992898	2.31273974	45.8914293	0	1864.84699	4401.37806	360.538039	6626.76309	0	299.190601	698.961791	53.8456549	1051.99805	0	8.32794235	19.4677588	1.50837204	29.3040732
2365	3HM4A	NonEnzymeRegulator	1.20187079	14.7795206	22.6161288	6.91306549	45.5105856	176.316171	2152.41012	3310.19582	992.162505	6631.08462	27.510878	337.245219	515.879121	156.966522	1037.60174	0.79089648	9.52255707	14.443982	4.35432388	29.1117594
2366	3IIXA	NonEnzymeRegulator	1.7105541	13.538686	27.2184417	7.01660639	49.4842882	254.32529	2039.59519	4151.65305	1047.96372	7493.53726	39.1934314	311.171867	626.548926	160.661952	1137.57618	1.098596	8.77872137	17.6061921	4.47216639	31.9556759
2367	3PVIA	NonEnzymeRegulator	4.77176902	28.6187087	11.2510764	5.57520925	50.2167634	738.682858	4378.58582	1812.98483	889.511654	7819.76517	110.375392	659.923818	262.538772	129.635389	1162.47337	3.16764604	18.761806	7.483992	3.69656213	33.1100062
2368	3T63M	NonEnzymeRegulator	4.05923707	26.5708551	16.5682253	1.0199256	48.218243	642.68321	4136.73758	2540.11267	168.086666	7487.62014	94.6187117	614.364556	381.234855	23.9776739	1114.1958	2.74700755	17.3281306	10.5741604	0.66998104	31.3192796
2369	2FOMB	NonEnzymeRegulator	3.29452484	18.3004308	20.5000009	5.09668707	47.5239381	497.108487	2797.33945	3122.65683	769.036021	7235.48343	75.8555339	421.7758	471.879816	116.781133	1093.90804	2.16201281	12.0168771	13.3435449	3.25317894	30.9957141
2370	2IMFA	NonEnzymeRegulator	4.9136247	23.8933188	18.356301	1.86796678	49.0312112	803.842706	3772.9134	2813.9946	279.863193	7670.6139	115.450283	555.317974	423.129989	42.5887275	1136.48697	3.36140315	15.8643173	11.9438353	1.13659359	32.3061493
2371	3CJSB	NonEnzymeRegulator	1.39088439	22.2436825	16.3213029	6.43562715	46.391497	214.053613	3303.40705	2427.46171	943.357851	6888.28022	32.2432619	510.407966	373.904863	147.501007	1064.0571	0.94073598	14.6062036	10.5570845	4.14260571	30.2466297
2372	3E8TA	NonEnzymeRegulator	2.47019801	20.360715	17.9718611	7.64330819	48.4460823	362.491029	3074.59153	2724.0513	1119.25576	7280.38962	56.5225296	468.250748	414.103323	174.649568	1113.52617	1.6107479	13.3387108	11.7678803	4.90392604	31.621265
2373	2QSWA	NonEnzymeRegulator	2.30679166	18.4123612	22.5779582	5.74667037	49.0437815	342.663837	2709.60948	3341.72568	828.687194	7222.68619	52.7610264	420.382755	516.012471	130.690965	1119.84722	1.5012496	11.8997749	14.4234357	3.61769336	31.4421536
2374	2WMFA	NonEnzymeRegulator	3.17096362	19.374747	24.3608698	2.00240768	48.9089881	490.111336	3070.56487	3768.19742	315.874502	7644.74813	73.5878965	450.758543	563.212211	46.4038229	1133.96247	2.09992913	12.8729342	15.9291581	1.29856788	32.2005893
2375	1MKKA	NonEnzymeRegulator	5.25888329	18.3670747	15.8481629	9.24987383	48.7239947	773.067105	2765.24417	2411.65052	1437.05922	7387.02102	120.42803	423.482736	365.81705	214.321487	1124.0493	3.37164697	11.8563153	10.2586482	6.05368541	31.5402959
2376	3VGIA	NonEnzymeRegulator	1.1048083	7.8792918	24.6052951	15.6580008	49.247396	172.483885	1261.15165	3876.54534	2367.23572	7677.4166	25.6667677	184.112961	571.646135	359.725828	1141.15169	0.74559656	5.35747408	16.4552912	10.1458176	32.7041795
2377	2OYOA	NonEnzymeRegulator	1.49366043	17.3604865	20.135193	9.12376811	48.1131081	226.569062	2681.4688	3171.51877	1364.44774	7444.00436	34.3844113	400.836097	466.261193	208.541688	1110.02339	0.96498706	11.3343773	13.1242101	5.78032248	31.203897
2378	2EW0A	NonEnzymeRegulator	1.70899735	17.4186938	19.4204845	9.52569308	48.0738687	261.001643	2704.84868	3006.75986	1447.61323	7420.2234	39.4162752	402.642262	448.462234	218.762785	1109.28356	1.13749366	11.4234606	12.6638934	6.09779171	31.3226394
2379	2OKTA	NonEnzymeRegulator	1.95469198	13.2264186	21.6106045	12.3718647	49.1635798	297.368416	2007.93503	3293.24193	1898.40904	7496.95442	45.1128654	304.690894	498.050396	285.085315	1132.93947	1.2880653	8.66806595	14.1987549	7.98950739	32.1443935
2380	3JVLA	NonEnzymeRegulator	5.1690436	27.8550254	15.0008557	0.94562449	48.9705491	797.515349	4312.6408	2251.34177	124.60542	7486.10334	120.148967	645.774226	345.113048	21.4518192	1132.48806	3.44405698	18.3524635	9.71498993	0.58553421	32.0970446
2381	3SC7X	NonEnzymeRegulator	2.39184818	14.2658153	23.2602588	6.96933675	46.8872589	369.18496	2234.67388	3592.00084	1023.60811	7219.4678	55.3344941	330.926403	536.965679	159.009431	1082.23601	1.57566375	9.40586275	15.1576948	4.42354417	30.5627655
2382	3B49A	NonEnzymeRegulator	3.01397578	15.2016981	24.225072	7.48921381	49.9299597	477.454485	2403.27689	3756.0215	1137.5324	7774.28527	70.0341697	352.943371	559.361835	171.978234	1154.31761	2.01657891	10.0728513	15.7437236	4.79013729	32.6232911
2383	1C5EA	NonEnzymeRegulator	2.48725642	12.7887392	25.0499544	5.71979432	46.0457444	379.899003	1957.94355	3739.34786	830.634389	6907.8248	57.5160196	295.696969	573.751613	129.906043	1056.87064	1.66879193	8.49995747	16.1026699	3.5506246	29.8220439
2384	1RCQA	NonEnzymeRegulator	3.82825722	21.6688281	16.0424391	6.28371556	47.8232399	586.586483	3364.81731	2444.22004	958.173879	7353.79771	88.360791	500.482638	369.499149	143.903212	1102.24579	2.52398365	14.0712231	10.4081271	3.94257213	30.9459059
2385	3L81A	NonEnzymeRegulator	6.3844727	20.2668586	18.4136096	3.80878654	48.8737275	973.6336	3080.38448	2831.57693	583.78591	7469.38091	146.703641	465.51979	424.337477	87.7348252	1124.29573	4.1085378	13.1035839	11.9566519	2.45539043	31.6241641
2386	3LT7A	NonEnzymeRegulator	11.9580746	11.7978607	12.838672	13.285218	49.8798252	1819.60363	1801.34404	1894.02643	1944.60301	7459.57711	274.116084	270.977541	292.644518	302.053075	1139.79122	7.52539892	7.49412122	8.07969513	8.42218318	31.5213984

2387	3D06A	NonEnzymeRegulator	1.37595903	13.6622097	22.958641	10.4544602	48.4512699	203.399725	2115.29687	3530.4656	1608.49074	7457.65294	31.5116033	316.02218	529.881119	240.745205	1118.16011	0.88914834	8.93707271	14.7422064	6.58030628	31.1487337
2388	1HQ1A	NonEnzymeRegulator	2.02387597	19.9596656	25.0589328	3.5407474	50.5832218	297.810662	2969.67981	3726.77111	514.302741	7508.56432	46.3158802	457.173049	573.517992	81.2178984	1158.22482	1.30739571	12.7245877	15.8266975	2.27480118	32.1334821
2389	2C2UA	NonEnzymeRegulator	3.55100562	19.8037059	16.5966282	8.14272303	48.0940627	526.305168	3008.39475	2536.78901	1259.81969	7331.30862	81.1267963	455.643575	382.279125	187.566346	1106.61584	2.27919329	12.8091212	10.6471931	5.17834201	30.9138496
2390	1RUTX	NonEnzymeRegulator	6.87960961	17.5140221	15.6668464	7.89491478	47.9553929	1042.00868	2615.47839	2504.90059	1258.25621	7420.64388	158.595905	402.427894	365.07323	183.308662	1109.40569	4.47943318	11.2474474	10.3453522	5.15595364	31.2281864
2391	3IX3A	NonEnzymeRegulator	2.38094625	11.2832482	25.4502955	9.34374842	48.4582384	358.573645	1741.56824	3980.51994	1470.03975	7550.70158	54.8762808	261.27518	590.334775	216.294663	1122.7809	1.60016972	7.54428628	16.7998269	6.02744353	31.9717264
2392	1YFQA	NonEnzymeRegulator	1.26213479	12.2612147	25.9376019	8.99565434	48.4566057	184.604065	1846.62748	3942.78527	1334.09751	7308.11433	28.8725647	282.076586	597.111149	205.811171	1113.87147	0.81482736	8.06261587	16.9397055	5.709756	31.5269048
2393	1VR7A	NonEnzymeRegulator	3.64537394	28.1465875	13.1913456	3.77843957	48.7617466	560.038223	4336.90711	2084.66315	593.475328	7575.08381	84.0448098	649.15043	305.9592	87.6751462	1126.82959	2.3929188	18.3207876	8.60018505	2.50049444	31.8143859
2394	3V0DA	NonEnzymeRegulator	2.98704388	15.2447121	20.3680746	10.425318	49.0251486	461.236851	2365.44359	3122.24242	1597.47481	7546.39767	68.9113791	352.575409	469.73251	240.439498	1131.6588	1.93296547	10.0076095	13.293203	6.73625141	31.9700294
2395	1OF8A	NonEnzymeRegulator	3.04528024	21.4935055	20.9272007	1.61802577	47.0840123	452.850164	3203.8307	3100.3214	245.711913	7002.71418	69.9431069	491.984578	477.847162	37.1019925	1076.87684	1.99030813	13.7705485	13.2448041	1.03063921	30.0362999
2396	3TM8A	NonEnzymeRegulator	3.26709294	20.1016777	22.4571141	2.81798068	48.6438654	487.718546	3004.75353	3370.49776	427.38815	7290.35799	74.6254668	460.648035	515.130931	65.0307442	1115.43518	2.06042898	12.9060775	14.4311836	1.84157587	31.239266
2397	1ZMMA	NonEnzymeRegulator	4.69271766	17.2497768	16.9495105	9.01452194	47.9065269	741.722751	2727.20248	2575.66662	1362.59552	7407.18738	109.518448	401.722441	391.237539	207.112171	1109.5906	3.10517113	11.3062607	10.9138334	5.82275978	31.1480251
2398	2WNKA	NonEnzymeRegulator	4.28060357	11.8476508	19.7032786	9.84144986	45.6729828	618.765466	1745.84115	2859.01791	1395.73033	6619.35486	97.3844764	271.031403	449.473405	222.952826	1040.84211	2.73098775	7.63676299	12.5513939	6.11428029	29.0334249
2399	2FUFA	NonEnzymeRegulator	2.42660521	15.0565622	29.403885	2.71766446	49.6047169	385.339573	2336.31138	4544.88039	406.627303	7673.15865	56.5585777	348.596626	678.974532	62.2414256	1146.37116	1.65559011	9.99777845	19.2068535	1.72746978	32.5876918
2400	3FUTA	NonEnzymeRegulator	4.48859613	18.7518118	18.2723815	7.58369569	49.0964851	676.158206	2901.88492	2812.30607	1138.74002	7529.08922	102.873063	432.362916	420.709169	173.368726	1129.31387	2.91245765	12.2021739	11.8653788	4.81622661	31.796237
2401	1N62A	NonEnzymeRegulator	3.76275801	14.9957004	22.1965379	5.31645744	46.2714537	548.347155	2198.82456	3324.70718	795.969466	6867.84836	86.0506795	343.214182	509.723945	121.920281	1060.90909	2.38484175	9.55638547	14.2246147	3.43662778	29.6024697
2402	3R8JA	NonEnzymeRegulator	1.8872369	13.9315002	21.9112945	10.7676786	48.4977101	295.922051	2186.34151	3350.56102	1608.90794	7441.73252	43.8520073	323.214353	505.11048	246.841803	1119.01864	1.26665034	9.23717791	14.2574028	6.89752475	31.6587558
2403	1KYFA	NonEnzymeRegulator	3.61360504	19.6245657	17.9846155	7.46507845	48.6878647	559.092859	2929.17508	2715.45356	1185.44746	7389.16895	83.5937631	450.027134	413.310358	173.612758	1120.54401	2.39956505	12.7151308	11.6179235	4.93437381	31.6669932
2404	2GS5A	NonEnzymeRegulator	2.44273951	15.9800645	20.324264	8.16848132	46.9155492	364.844911	2449.12938	3107.94892	1254.22073	7176.14394	56.0042851	368.088716	468.095491	188.395207	1080.5837	1.60854294	10.4365287	13.1739289	5.30582275	30.5248232
2405	3NJNA	NonEnzymeRegulator	1.74951836	24.8400526	17.7020918	2.66403942	46.9557022	269.587348	3672.35512	2538.20066	381.195423	6861.33855	40.5582863	569.705317	402.699397	60.4190013	1073.382	1.18827538	16.3355629	11.3202384	1.65417817	30.4982549
2406	3HVIA	NonEnzymeRegulator	1.59909405	9.5087258	25.0029147	12.5270575	48.6377921	241.224653	1408.85758	3707.62977	1902.23628	7259.94828	36.8334966	218.371824	573.504177	288.350622	1117.06012	1.04962872	6.18358188	16.200928	8.12497924	31.5591178
2407	3FG9A	NonEnzymeRegulator	6.65187139	32.0660347	4.71140206	4.55379029	47.9830984	957.704483	4783.2663	689.012757	663.423761	7093.4073	151.324382	733.294627	107.351637	103.701182	1095.67183	4.27041751	20.4356266	2.99113551	2.82633351	30.5235131
2408	2PN6A	NonEnzymeRegulator	0.95843846	16.1823369	23.5109888	9.79579697	50.4475611	150.655828	2463.9629	3524.14423	1460.99527	7599.75823	22.3208419	373.527048	539.811078	224.138266	1159.79723	0.64659231	10.757621	15.2775324	6.28484843	32.9665941
2409	3ONHA	NonEnzymeRegulator	1.37529073	17.3177642	24.0298635	6.20655639	48.9294748	207.988997	2574.62867	3497.16303	865.564426	7145.34512	31.6951082	397.139524	548.555727	140.807279	1118.19764	0.92083133	11.3629181	15.3965187	3.91669011	31.5969582
2410	3ASLA	NonEnzymeRegulator	5.61314388	17.244687	17.4042245	6.81243282	47.0744883	885.337241	2660.55244	2660.52809	1022.50337	7228.92114	130.963616	399.7286	402.229894	156.211549	1089.13366	3.69594532	11.1032365	11.2011522	4.24208707	30.2424211
2411	3A72A	NonEnzymeRegulator	1.27914351	10.1885583	27.2125276	9.42251691	48.1027463	206.603534	1601.76606	4178.8884	1439.51669	7426.77469	29.9412635	236.728302	627.739819	217.184514	1111.5939	0.8663991	6.79706343	17.7720751	6.12300923	31.5585469
2412	2H5CA	NonEnzymeRegulator	1.5449569	9.45677716	21.9622789	11.9436584	44.9076714	238.786137	1465.82751	3298.30547	1758.07971	6760.99883	35.7019948	218.352962	503.063869	272.139111	1029.25794	1.00867174	6.12878996	13.9721123	7.45523259	28.5648066
2413	1HFES	NonEnzymeRegulator	0	3.44183077	30.8027233	14.9008462	49.1454003	0	565.220575	4773.61227	2203.33146	7542.16431	0	80.5430575	712.249801	340.539137	1133.332	0	2.29086146	20.1642661	9.54044039	31.995568
2414	1X6IA	NonEnzymeRegulator	2.94978556	31.2287108	15.0970331	1.5254516	50.800981	463.246617	4903.15911	2358.46196	221.8312	7946.69888	68.5434174	724.668625	348.970402	34.6669784	1176.84942	1.96592434	20.4720987	9.67492488	0.97200697	33.0849549
2415	3DOUA	NonEnzymeRegulator	1.95595944	10.4564186	25.0083845	12.1419149	49.5626774	284.572505	1585.46049	3901.21412	1858.26203	7629.50915	44.6412173	240.30762	578.134657	279.165151	1142.24865	1.27841606	6.7988299	16.3669573	7.78825634	32.2324596
2416	2R31A	NonEnzymeRegulator	4.06147299	17.3180117	17.9498048	8.8821032	48.2113927	626.717799	2605.63988	2771.60317	1423.24713	7427.20798	93.662036	397.10601	413.557496	206.328966	1110.65451	2.63384977	11.1344354	11.6045638	5.78949745	31.1623464
2417	3N01A	NonEnzymeRegulator	0	12.1146192	27.7601912	7.59240715	47.4672175	0	1781.762	4078.54139	1132.67003	6992.97342	0	276.994248	633.897298	173.63305	1084.5246	0	7.89643364	17.8315205	4.79197928	30.5199335

24184	E2XA	NonEnzymeRegulator	1.53596008	15.2717759	25.0270195	6.13913811	47.9738936	243.2331	2381.56401	3801.99867	950.533246	7377.32902	35.7126026	353.754937	575.453498	141.386483	1106.30752	1.01284658	10.0411591	16.1068857	3.91770597	31.0785973
24193	LSNA	NonEnzymeRegulator	1.87131346	15.2334451	23.9354228	5.42236135	46.4625427	282.108989	2279.35138	3568.11517	785.639675	6915.21521	42.8406613	348.870383	547.678428	123.523624	1062.9131	1.19156104	9.74968904	15.2445997	3.46047417	29.6463239
24201	SAUA	NonEnzymeRegulator	2.49921353	13.6967078	25.962358	8.10843479	50.2667141	384.533624	2161.1828	4032.31967	1208.46578	7786.50187	57.6771401	318.069533	601.01456	185.546696	1162.30793	1.6262974	9.10663335	17.0819685	5.17304794	32.9879472
24212	XTSB	NonEnzymeRegulator	3.7866889	24.354989	12.0260356	5.64799485	45.8157083	606.379778	3755.1076	1795.4978	781.123279	6938.10845	88.3227889	563.055323	275.431168	128.116882	1054.92616	2.54558437	15.9640696	7.65995938	3.54080179	29.7104151
24222	YLNA	NonEnzymeRegulator	1.48347754	15.0393798	20.1548341	10.2186986	46.89639	222.807728	2264.80521	2977.39589	1480.99575	6946.00458	34.179104	345.876769	460.642562	232.029812	1072.72825	0.96096187	9.79026421	12.9682331	6.42230943	30.1417686
24233	SD2A	NonEnzymeRegulator	8.46200556	32.0374255	5.9074551	1.54199385	47.94888	1244.05756	4781.80194	864.804626	228.476603	7119.14072	193.540146	735.172902	134.906569	35.3412799	1098.9609	5.50223562	20.8384907	3.76035866	0.98534066	31.0864256
24242	HX5A	NonEnzymeRegulator	2.49742393	17.0335737	20.028855	9.43048439	48.990337	422.748029	2756.31753	3140.12332	1454.36011	7773.54899	58.9726642	397.160216	462.975402	216.6498	1135.75808	1.67948572	11.2788577	12.9548811	5.91741563	31.8306401
24251	LNIA	NonEnzymeRegulator	2.16956839	10.7000544	24.8434325	9.63791284	47.3509681	343.615351	1657.87749	3727.1451	1442.01944	7170.65738	50.4256712	247.520023	570.68749	220.890316	1089.5235	1.44252522	7.02792782	16.0517521	6.12050824	30.6427134
24263	BEDA	NonEnzymeRegulator	12.7126678	29.3656805	1.7613029	1.10688424	45.3129222	1800.27837	4190.78791	238.492087	151.984726	6430.96059	288.22961	666.578724	39.6027089	25.0001264	1027.6514	8.10237373	18.5125219	1.09248723	0.70219301	28.6391537
24272	WCWA	NonEnzymeRegulator	2.37612477	10.6887269	26.4380534	9.64553027	49.1484353	364.253248	1651.62544	4088.09908	1497.91478	7601.89254	54.921077	247.214152	610.988485	222.977549	1136.10126	1.58540009	7.10047046	17.4147457	6.31845224	32.4190684
24283	VORA	NonEnzymeRegulator	1.54092784	8.13625243	21.6365201	14.6129778	45.9266782	225.792193	1210.88885	3158.38997	2075.21697	6670.28797	35.333463	186.51598	493.556808	330.876239	1046.28249	1.00807156	5.25014479	13.7486561	9.14295236	29.1498248
24292	VN6B	NonEnzymeRegulator	1.46491663	10.713328	24.4225212	11.8803421	48.4811079	216.600443	1598.31824	3651.50891	1776.92381	7243.35141	33.5760988	246.256615	561.338586	273.363712	1114.53501	0.95540609	7.04172414	15.9996929	7.73119896	31.728022
24303	U7QA	NonEnzymeRegulator	3.88595941	21.4043081	21.9517691	1.25752522	48.4995618	623.04517	3323.82896	3268.21635	195.623635	7410.71411	90.5206436	495.542283	503.305916	29.1280762	1118.49692	2.5500672	14.014915	14.1610359	0.83265345	31.5586716
24312	QCPX	NonEnzymeRegulator	2.52640399	21.2984984	22.2158023	2.31078454	48.3514892	390.645749	3161.14471	3294.53976	327.026817	7173.35703	58.5561863	487.929175	508.716159	52.7512394	1107.95276	1.69862095	13.8050441	14.3426643	1.44089666	31.287226
24323	OG2A	NonEnzymeRegulator	3.62283717	20.7702994	18.8417406	4.34054711	47.5754243	576.26855	3232.22083	2893.19246	657.829113	7359.51095	84.3691117	480.848048	434.525738	99.5489619	1099.29186	2.41308985	13.6882168	12.3397681	2.780627	31.2217017
24331	V8HA	NonEnzymeRegulator	8.73010526	23.788682	12.7856421	3.25517479	48.5596042	1315.0656	3635.15751	1916.86321	487.114469	7354.20079	200.275659	547.595884	293.10904	74.1510124	1115.1316	5.66248491	15.4321738	8.27969487	2.02277583	31.3971294
24343	OV5A	NonEnzymeRegulator	1.67901427	22.5473611	20.0901058	2.15465614	46.4711373	244.759768	3302.78152	2933.09922	318.374748	6799.01526	38.3183408	515.690768	459.402402	49.372661	1062.78417	1.08555539	14.5743239	12.9133877	1.39798391	29.971251
24354	ESWA	NonEnzymeRegulator	5.08063953	30.5987111	12.351621	0.61942049	48.6503922	765.882916	4642.59564	1846.51435	92.8057245	7347.79862	117.380846	704.893748	283.595076	14.2686175	1120.13829	3.37020854	19.9505256	8.0032971	0.3845028	31.7085341
24363	HZPA	NonEnzymeRegulator	0.39242206	19.0689067	20.905006	8.37196009	48.7382949	63.3586287	2966.64707	3234.22662	1280.70745	7544.93977	9.17835576	441.198268	482.940916	193.056164	1126.3737	0.26760087	12.6380455	13.7619363	5.49951806	32.1671007
24371	JETA	NonEnzymeRegulator	2.18131538	17.2246813	25.6136154	3.97884726	48.9984594	335.166382	2652.32387	3948.95664	610.001751	7546.44865	50.4628923	397.836107	590.757068	91.5729947	1130.62906	1.4299885	11.2462807	16.7157106	2.5894799	31.9814598
24382	NW8A	NonEnzymeRegulator	2.96046064	18.8983455	19.1288287	9.18088997	50.1685248	468.020958	2972.1328	3007.90908	1445.60056	7893.66341	68.8013059	437.94707	443.304221	212.91891	1162.97151	1.98035761	12.3950018	12.5089073	6.00208921	32.8863559
24393	M8JA	NonEnzymeRegulator	4.38263711	29.8146039	11.978398	2.6624594	48.8380984	655.211573	4501.17513	1831.41712	410.187002	7397.99082	100.318895	685.565896	276.530589	61.6941129	1124.10949	2.81169902	19.4297534	7.81983958	1.75895302	31.820245
24401	MUNA	NonEnzymeRegulator	1.66584801	13.5690438	23.2787013	9.86412362	48.3777167	247.590202	2071.64262	3655.20499	1540.49394	7514.93175	38.1651766	312.822891	540.011391	228.302196	1119.30165	1.07684964	8.87233134	15.3617769	6.45195126	31.7629092
24413	G91A	NonEnzymeRegulator	3.27057453	17.611848	27.9411025	1.59570063	50.4192257	524.494024	2806.32166	4412.93489	256.390792	8000.14137	76.4939376	410.149	647.670747	36.9187177	1171.2324	2.21510845	11.7864558	18.2572659	1.00873161	33.2675617
24422	CHHA	NonEnzymeRegulator	1.62817388	15.4398411	19.9514076	8.22319737	45.2426199	237.347866	2269.59809	2921.63895	1204.28791	6632.87283	37.2050643	353.099074	455.306545	187.521189	1033.13187	1.06368923	10.0235226	12.7602089	5.2072091	29.0546298
24432	O8QA	NonEnzymeRegulator	2.4070897	24.9281177	15.0969937	5.55709828	47.9892994	375.3962	3977.86643	2375.645	849.119969	7578.0276	55.8243456	579.369172	349.61615	127.805487	1112.61515	1.60714164	16.4505588	9.8334057	3.54995541	31.4410615
24441	VMGA	NonEnzymeRegulator	3.50777177	11.8812842	23.2360308	10.8299468	49.4550335	537.099337	1785.72985	3429.49982	1555.22054	7307.54955	80.9233169	273.073508	531.82776	246.320585	1132.14517	2.33245327	7.78989652	15.010628	6.928578	32.0615558
24453	GKMA	NonEnzymeRegulator	3.8963134	26.9433276	14.6393216	1.61688653	47.3900738	619.161332	4100.61095	2202.62706	237.902672	7203.56894	90.7470683	619.684034	335.621536	37.1554001	1089.96706	2.64640515	17.5361507	9.41941488	1.04588796	30.8372599
24462	W15A	NonEnzymeRegulator	1.60585581	14.1023158	24.8723799	7.54069533	48.1212468	245.445269	2184.6735	3848.99316	1162.78254	7441.89447	37.0143686	325.639212	574.124412	174.129331	1110.90732	1.03366047	9.1302513	16.0740796	4.85129556	31.0892869
24473	TNTA	NonEnzymeRegulator	3.54342629	15.0576542	17.2946226	11.4352002	47.3309033	550.436359	2325.97118	2590.16209	1716.84722	7183.41684	82.2103728	348.816773	397.223021	262.553544	1090.80371	2.33019659	9.89843633	11.1656254	7.36847091	30.7627293
24481	FSGA	NonEnzymeRegulator	2.0902859	14.4755192	22.0470149	10.5677354	49.1805554	311.437967	2212.23644	3391.87627	1621.2146	7536.76529	47.9512707	333.739605	508.900117	243.754009	1134.345	1.37114622	9.51219467	14.3939875	6.87128522	32.1486136

2449	4GUJA	NonEnzymeRegulator	0.38877198	11.7012824	25.7662727	9.39701632	47.4393778	55.985047	1740.88416	3798.11496	1356.84161	6979.27038	8.87885404	268.318049	588.705125	213.688991	1083.82856	0.25244926	7.60654267	16.4379808	5.94078802	30.3560497
2450	3F2ZA	NonEnzymeRegulator	1.05068277	18.7519012	24.450257	4.47875454	48.7315955	156.990078	2934.98203	3771.30598	693.480479	7556.75857	24.1063516	433.939452	562.834866	102.948922	1123.82959	0.69528113	12.3675413	15.6961747	2.81088291	31.5698801
2451	1MN8A	NonEnzymeRegulator	1.65930927	21.6612216	22.1533718	3.73595265	49.2098554	274.516561	3504.68856	3554.5578	572.485269	7906.24819	39.0396755	505.034475	515.372111	86.0492686	1145.49553	1.14163435	14.436776	14.6455428	2.41535829	32.6393115
2452	2FKKA	NonEnzymeRegulator	9.95846067	22.2074473	8.99250697	5.80555475	46.9639697	1533.23141	3408.32431	1348.92436	839.788917	7130.269	229.605405	512.380229	206.14397	132.382829	1080.51243	6.46537834	14.4786895	5.7057102	3.71636536	30.3661434
2453	2OHWA	NonEnzymeRegulator	1.54622501	10.1420259	26.7777337	11.2554535	49.721438	224.948484	1517.0904	4070.86596	1707.68515	7520.59	35.277957	232.404066	616.515969	259.072369	1143.27036	1.01747276	6.61307752	17.3783772	7.2493889	32.2583164
2454	3SCYA	NonEnzymeRegulator	1.2175908	13.6584592	29.4540491	2.93386278	47.2639619	188.120766	2080.1159	4436.82079	420.429714	7125.48717	28.1831602	314.501011	676.260753	66.5551082	1085.50003	0.80001516	8.92567048	19.0912781	1.81882024	30.6357839
2455	2J73A	NonEnzymeRegulator	0.48806544	16.0658116	24.098001	9.55228017	50.6774054	77.6448312	2595.15876	3811.03008	1473.55691	8027.93329	11.3483897	375.084688	559.51296	220.831146	1177.70521	0.32900553	10.8684328	15.9906343	6.24634782	33.7466565
2456	3LTIA	NonEnzymeRegulator	3.28405848	14.8207412	21.8022376	9.66986369	49.576901	494.551784	2229.3345	3334.37556	1469.05534	7527.31719	75.5415215	340.09621	501.817788	221.798759	1139.25428	2.1590394	9.56364695	14.1464037	6.13877921	32.0078692
2457	1UCRA	NonEnzymeRegulator	1.34414063	21.1712641	20.787611	5.32892752	48.6319432	216.684055	3235.38919	3091.94383	780.153743	7324.17082	31.5545671	489.600483	476.975456	121.507118	1119.63762	0.9239284	14.110368	13.4486546	3.35797663	31.8409277
2458	2RHFA	NonEnzymeRegulator	0.66827911	11.0700089	27.1564307	9.35970361	48.2544223	99.5548001	1662.13609	4008.67382	1375.86727	7146.23199	15.2885618	253.29039	619.547976	213.436538	1101.56347	0.4320989	7.07654394	17.2363043	5.92433813	30.6692853
2459	4DQ6A	NonEnzymeRegulator	1.59836288	11.6038471	26.780696	9.48191557	49.4648216	247.099569	1776.44899	4077.66286	1402.00546	7503.21688	36.9602227	267.924163	617.287926	216.970807	1139.14312	1.04229288	7.65125674	17.5334223	6.08554715	32.3125191
2460	3LHIA	NonEnzymeRegulator	1.99478071	10.5704835	24.9512763	9.26397322	46.7805138	291.443868	1605.46867	3833.05231	1379.69159	7109.65644	45.4942101	243.002081	575.114428	212.071201	1075.68192	1.29315507	6.8824793	16.2145109	5.91111052	30.3012558
2461	2ZS0B	NonEnzymeRegulator	0.64107061	9.55694409	21.4311491	15.3843465	47.0135103	94.3847505	1462.95945	3323.11284	2359.2376	7239.69464	14.6707646	220.467678	494.767727	353.746466	1083.65264	0.41735714	6.25213894	13.8521787	9.80985396	30.3315287
2462	1NKGA	NonEnzymeRegulator	3.86895325	18.1087863	20.2121211	4.27210561	46.5402443	625.682989	2827.01707	3021.46213	618.609533	7103.29347	90.1759268	420.03408	463.580531	97.2443623	1072.78494	2.53536416	11.8859145	13.0335764	2.71584549	30.2174419
2463	1XDZA	NonEnzymeRegulator	1.57235919	7.89275901	21.2153695	18.4356973	49.116185	238.660473	1192.49955	3218.38291	2731.55783	7381.10076	36.1587032	181.600223	487.929875	421.855919	1127.54472	1.02488642	5.18127543	13.7872319	11.8462841	31.8396779
2464	3BA3A	NonEnzymeRegulator	2.58247376	14.0165009	24.0378357	7.82443474	48.4612451	414.547235	2136.25927	3585.52176	1152.64232	7288.97059	60.371538	323.055848	551.234391	178.71616	1113.37794	1.77612857	9.28240146	15.6099927	4.97276167	31.6412844
2466	1KDVA	NonEnzymeRegulator	2.26095498	10.3395831	26.0785479	6.60935487	45.2884408	333.473641	1595.23687	3975.87148	994.168748	6898.75074	51.6784793	238.784803	600.463986	151.732722	1042.65999	1.46844944	6.79531481	16.8695866	4.21720021	29.3505511
2467	3PJPA	NonEnzymeRegulator	3.76655821	18.7907133	18.3901505	9.95231508	50.8997371	612.1178	2969.11807	2857.78044	1484.8071	7923.82341	88.228548	436.89758	425.398798	227.586083	1178.11101	2.56935392	12.5650716	12.103255	6.35135547	33.589036
2468	4GUCA	NonEnzymeRegulator	2.66855794	12.8457625	26.5558344	7.72825549	49.7984103	413.081316	2025.37083	4223.65262	1178.4551	7840.55987	61.7785975	298.810185	618.03589	177.662054	1156.28673	1.78718967	8.63508855	17.6984906	4.90998018	33.030749
2469	2QJWA	NonEnzymeRegulator	2.81382068	10.7070585	27.8627828	5.60651505	46.9901771	423.421988	1616.30742	4281.14242	877.975072	7198.84691	64.6012111	245.707707	640.624406	129.154212	1080.08754	1.84358163	6.95060978	17.8995478	3.54845698	30.2421962
2470	3JXYA	NonEnzymeRegulator	4.14209973	22.1397341	22.3682587	2.36208695	51.0121795	668.715267	3477.02838	3476.55788	358.785356	7981.08689	96.7389	513.671424	517.242679	54.2921532	1181.94516	2.81706908	14.7225246	14.6685386	1.51530477	33.723437
2471	1WS8A	NonEnzymeRegulator	0.97627278	15.4318838	26.1639476	4.95091339	47.5230176	155.757284	2451.66696	4088.94151	751.807503	7448.17325	22.8220332	359.558873	606.173049	113.930283	1102.48424	0.66819028	10.3715032	17.149982	3.21061269	31.4002881
2472	2G8SA	NonEnzymeRegulator	1.61544988	11.5308455	24.6264612	10.5415288	48.3142854	249.958522	1814.38552	3836.30114	1611.8389	7512.48408	37.2379474	267.114921	569.091471	242.527306	1115.97164	1.04724988	7.60161115	16.0823767	6.82897543	31.5602132
2473	3P3CA	NonEnzymeRegulator	2.16368604	12.4820364	24.8119692	10.1641387	49.6218304	328.803332	1919.28703	3754.26911	1537.55625	7539.91572	49.776014	287.572647	570.228519	233.346922	1140.9241	1.41795258	8.13796161	16.1820396	6.56612969	32.3040835
2474	2C61A	NonEnzymeRegulator	4.28353581	22.0856977	15.4563703	6.1651452	47.990749	632.786877	3302.31123	2344.90404	933.644313	7213.64647	98.0382672	506.632513	355.373369	141.580431	1101.62458	2.79509228	14.2306717	9.97578514	3.97467344	30.9762226
2475	1N7SC	NonEnzymeRegulator	11.6938229	13.6521763	12.3728681	11.3397892	49.0586564	1658.20534	1987.22793	1818.03387	1633.13604	7096.60317	265.248316	310.687697	282.32546	257.88329	1116.14476	7.32344906	8.4160655	7.61744209	7.05186198	30.4088186
2476	3N17A	NonEnzymeRegulator	1.58625469	9.51350187	23.5048795	12.9487858	47.5534218	237.657025	1468.41915	3630.45985	1971.76123	7308.29726	36.511019	220.285798	543.877017	298.2692	1098.94303	1.03463941	6.34104383	15.5433363	8.43043065	31.3494502
2477	2P14A	NonEnzymeRegulator	1.87813358	13.9357069	28.7013472	5.69380334	50.208991	276.662833	2107.51375	4422.26543	872.314382	7678.7564	43.1195929	320.697261	662.963631	131.110595	1157.89108	1.24897034	9.19687286	18.8837416	3.688284	33.0178688
2478	3NOQA	NonEnzymeRegulator	2.69839015	13.0514211	22.4240948	8.18946708	46.3633731	390.056159	1960.29219	3383.13402	1229.5192	6963.00157	61.4129504	299.40222	514.098794	187.497333	1062.4113	1.72533309	8.4914081	14.401869	5.18290461	29.8015148
2479	3H7HB	NonEnzymeRegulator	5.26894624	30.4351151	11.3897814	2.67193418	49.765777	816.982204	4653.28683	1693.74309	393.047785	7557.05991	122.129172	701.865779	261.721945	61.1634164	1146.88031	3.51718765	19.8741447	7.41940456	1.73774034	32.5484773
2480	1OW4A	NonEnzymeRegulator	0	9.96812826	25.8543578	11.2229028	47.0453889	0	1455.15974	3809.58334	1658.59148	6923.33456	0	228.01661	592.036015	257.780695	1077.83332	0	6.4404554	16.4666827	7.2343916	30.1415297

Normalize, **Randomize** and **Balance** the cases for the Enzyme Regulator/non-Enzyme Regulator classes using the synthetic minority oversampling technique (SMOTE):

EMc	EMi	EMm	EMs	EMt	PKJJc	PKJJi	PKJJm	PKJJs	PKJJt	vdWAc	vdWAi	vdWAm	vdWAs	vdWAt	AC2Pc	AC2Pi	AC2Pm	AC2Ps	AC2Pt	Class
1.32592385	9.98455313	26.8927684	11.6138414	49.8170868	204.308764	1566.07875	4103.19732	1714.47589	7588.06073	30.73251	231.281575	619.636068	265.481738	1147.13189	0.87938453	6.56504404	17.5302906	7.44294974	32.4176692	NonEnzymeReg
1.83470301	7.75297274	23.6826058	12.8317991	46.1020807	267.762819	1138.03983	3536.01471	1924.71536	6866.53272	42.02431	177.519218	542.996057	293.662295	1056.20188	1.18782601	5.04337519	15.3180627	8.14274063	29.6920045	NonEnzymeReg
0.58289105	11.1093659	20.6437704	16.6244236	48.9604508	92.6097677	1720.35894	3171.72942	2509.95861	7494.65673	13.53790	257.007695	476.763713	382.551802	1129.86111	0.38643076	7.32295298	13.5672256	10.8330938	32.1097031	NonEnzymeReg
2.10261003	12.17037	24.4302939	7.4578071	46.1610846	321.20553	1842.65279	3665.02232	1086.10232	6914.98296	48.45270	279.793605	559.554027	169.894868	1057.69521	1.38765	7.94301	15.5763781	4.70547769	29.6125333	NonEnzymeReg
2.50117124	15.4107611	24.4440699	6.3126209	48.6686233	394.627977	2378.62058	3767.15535	956.92206	7497.32597	58.10986	356.680739	564.055619	144.905978	1123.7522	1.66343116	10.16849	15.8535923	4.03236065	31.7178761	NonEnzymeReg
10.3925633	28.6989607	7.6418026	3.6775594	50.4108864	1535.7244	4252.95105	1176.94733	597.1215	7562.74436	236.90169	656.471023	176.317419	85.8189137	1155.50905	6.61576351	18.3411887	4.96301082	2.39054118	32.3105042	NonEnzymeReg
1.33815927	13.3908071	22.2783029	12.849541	49.8568104	208.331388	2061.18424	3456.99372	1936.07873	7662.58808	31.00933	309.094833	514.560462	294.878384	1149.54301	0.89313692	8.75219983	14.4643826	8.22891798	32.3386374	NonEnzymeReg
3.73629684	13.2457142	27.0956573	5.6430918	49.7207602	581.238113	2048.11722	4195.51094	869.537075	7694.40335	86.16608	305.356137	624.649134	129.66392	1145.83528	2.45155107	8.62999456	17.5456968	3.58372275	32.2109652	NonEnzymeReg
1.14372074	7.06868131	18.1839142	21.187648	47.5839643	178.262342	1131.28265	2875.0339	3344.32345	7528.90234	26.42715	164.456827	422.508074	491.601522	1104.99358	0.75363856	4.69955088	12.0477825	13.8824996	31.3834715	NonEnzymeReg
2.57921438	20.8799558	20.5757822	3.9424794	47.9774303	369.756606	3032.74289	2959.60315	584.695872	6946.79852	58.66640	475.607608	467.509363	89.9113208	1091.69469	1.67674644	13.3273859	13.0421592	2.45178032	30.4980719	NonEnzymeReg
0	13.1616842	13.2230289	19.6420057	52.00896	0	2141.28327	2089.48767	3109.23214	8298.40184	0	308.659337	307.663791	457.104648	1212.89599	0	9.08361563	9.10651116	13.4748406	35.7405025	NonEnzymeReg
1.62648154	13.3739153	25.559491	6.5294031	47.089291	243.064863	1954.08723	3823.50865	972.026582	6992.68733	37.36192	304.950939	585.431104	149.792678	1077.53664	1.07938777	8.54628143	16.3415357	4.22095527	30.1881601	NonEnzymeReg
4.93339993	32.0963123	10.1851081	1.4016374	48.6164577	768.862164	4880.5993	1559.81973	197.913651	7407.19484	114.3639	739.15654	234.757115	31.7006044	1119.97816	3.30248631	21.0930931	6.62438437	0.87128087	31.8912447	NonEnzymeReg
1.56947878	10.6308499	24.4066524	13.0931343	49.7001154	255.882793	1634.15228	3715.93908	1927.91202	7533.88617	36.89820	245.521518	561.536586	298.885546	1142.84186	1.09336246	7.00729923	15.8628494	8.31791028	32.2814214	NonEnzymeReg
0.7400058	14.6675158	26.5402179	5.0781197	47.0258602	102.593546	2042.4479	3746.59983	721.201252	6612.84253	16.83143	333.621081	603.553632	115.605923	1069.61207	0.48093413	9.44228688	16.9710256	3.22324513	30.1174917	NonEnzymeReg
3.28035367	18.6630908	20.1464401	7.3890469	49.4789314	495.415396	2834.04533	3105.16216	1146.26264	7580.88552	75.59229	429.461148	464.268362	170.590231	1139.91204	2.18607188	12.1062105	12.9993399	4.73815246	32.0297747	NonEnzymeReg
2.14101865	13.8701004	22.3196918	9.2352371	47.5660435	322.647196	2075.37159	3267.7531	1336.89633	7002.66821	49.33324	319.123557	510.65324	210.640383	1089.75042	1.41373088	9.10170996	14.4618104	5.93910043	30.9163517	NonEnzymeReg
1.34414063	21.1712641	20.7876111	5.3289275	48.6319432	216.684055	3235.38919	3091.94383	780.153743	7324.17082	31.55456	489.600483	476.975456	121.507118	1119.63762	0.92392841	14.110368	13.4486547	3.35797663	31.8409277	NonEnzymeReg
1.76129654	11.2583444	24.3892844	11.4148601	48.8237854	277.795729	1750.41542	3779.22564	1733.62293	7541.05973	40.83683	260.434404	563.852578	262.708069	1127.83189	1.16561994	7.41147008	15.9967015	7.39299636	31.9667879	NonEnzymeReg
8.51681109	24.0912327	9.7937412	6.1422386	48.5440238	1311.69114	3669.85884	1432.44721	887.511682	7301.50887	196.4007	553.756577	222.956926	139.296879	1112.41117	5.50522256	15.3913728	6.19708799	3.85036184	30.9440451	NonEnzymeReg
3.51841292	15.5856271	23.6330885	5.1821461	47.9192746	534.742156	2359.57163	3536.47789	768.001944	7198.79362	81.39347	358.98971	542.227943	118.434641	1101.04577	2.33813043	10.1805537	15.1666581	3.26564645	30.9509887	NonEnzymeReg
2.88578692	22.8406824	18.9633688	3.2612724	47.9511105	431.453675	3443.46247	2828.23985	458.816808	7161.9728	66.32993	525.093189	434.87014	73.9849177	1100.27818	1.91875437	15.013462	12.2577898	2.04004297	31.2300471	NonEnzymeReg
2.07107021	17.4747649	22.750923	5.8944727	48.1912303	319.908975	2737.75803	3480.54841	882.067245	7420.28266	47.86919	404.8954	523.68002	134.876961	1111.32158	1.36843058	11.5167611	14.6829091	3.73502528	31.3031261	NonEnzymeReg
12.246	12.7849382	13.2127886	12.944125	51.1878524	1843.01781	1846.65495	2023.46946	1975.24567	7688.38789	281.0443	291.074076	304.274712	297.926729	1174.31983	7.96519609	8.15314477	8.52234714	8.38820431	33.0288923	NonEnzymeReg
1.37705332	9.80635236	23.1192041	13.8556002	48.1582098	201.654024	1506.80044	3664.2183	2189.20767	7561.88043	31.49800	226.459153	537.215571	321.605446	1116.77818	0.89719648	6.44211119	15.2718405	9.09112449	31.7022734	NonEnzymeReg
6.11265441	27.7955914	11.6082286	2.7192563	48.2357308	974.80406	4383.82765	1814.11243	395.993009	7568.73714	141.9155	644.340325	268.1405	61.7557042	1116.15208	3.99585308	18.1546618	7.42555904	1.68672147	31.2627954	NonEnzymeReg
2.05047076	18.1042849	16.9853208	8.9862747	46.1263509	312.181324	2633.52015	2492.93346	1321.40082	6760.03575	47.21410	413.310268	387.868616	205.398972	1053.79196	1.34356298	11.5876923	10.7866041	5.74857561	29.4664355	NonEnzymeReg
1.75569243	13.603263	20.3330289	12.374035	48.06602	244.007174	1940.42124	2938.9605	1748.44255	6871.83147	39.71131	309.087779	463.036369	280.60451	1092.43997	1.08778479	8.56982167	12.9496889	7.84983213	30.4571275	NonEnzymeReg

1.94259393	13.997169	16.0863187	15.744608	47.7706897	264.814549	2016.05122	2445.69853	2381.57695	7108.14125	44.1441335	320.619401	371.910335	362.986277	1099.66015	1.22676427	9.06152402	10.5087885	10.2728811	31.0699579	NonEnzymeReg
1.89871782	23.3193028	19.6494142	4.15561085	49.0230456	295.318619	3602.09635	3025.96817	673.893831	7597.27697	44.0701205	539.276917	452.753147	96.7294604	1132.82965	1.26788026	15.3703474	12.6128969	2.68766388	31.9387885	NonEnzymeReg
1.78240498	10.4461819	23.5455872	12.2925072	48.0666812	275.136642	1648.00121	3580.41502	1860.96977	7364.52264	41.106362	242.191818	540.697243	282.082713	1106.07814	1.16665725	6.91347566	15.2170506	7.90782736	31.2050109	NonEnzymeReg
1.95595944	10.4564186	25.0083845	12.1419149	49.5626774	284.572505	1585.46049	3901.21412	1858.26203	7629.50915	44.6412173	240.30762	578.134657	279.165151	1142.24865	1.27841606	6.7988299	16.3669573	7.78825634	32.2324596	NonEnzymeReg
4.25470533	21.8510759	19.5190212	3.09212005	48.7169224	649.570611	3274.19169	2991.72755	489.66086	7405.15071	98.038628	502.277147	450.389956	71.6952318	1122.40096	2.75694607	14.2254278	12.7430564	2.00910892	31.7345392	NonEnzymeReg
1.97982856	21.5146275	22.0085236	2.89163025	48.3946099	311.692506	3287.14594	3314.33491	418.827573	7332.00093	46.1081976	496.334901	505.368743	65.6799825	1113.49182	1.33714477	14.0633278	14.1434446	1.80365282	31.3475699	NonEnzymeReg
2.08425033	13.3770109	23.3934883	8.0348855	46.889635	306.354852	2011.72135	3527.16276	1168.79325	7014.0322	47.6837595	307.486153	537.854714	182.891416	1075.91604	1.36730542	8.8080002	15.2524581	5.05210917	30.4798768	NonEnzymeReg
1.89460094	13.2078675	24.4000717	8.1264395	47.6289796	276.230714	1913.7325	3574.31446	1189.36825	6953.64593	43.2588987	300.887108	556.756395	185.180025	1086.08243	1.23813891	8.4865883	15.6212033	5.12794626	30.4738713	NonEnzymeReg
1.60268317	11.4626481	24.9062739	8.9381685	46.9097737	226.000387	1674.43255	3751.21268	1378.78458	7030.43019	36.3193872	261.593048	571.703164	206.079919	1075.69552	1.02669499	7.3968423	16.0736894	5.76467609	30.2619031	NonEnzymeReg
3.65478332	17.5261168	20.7564903	4.2859042	46.2232952	589.839332	2744.36631	3196.33372	643.538399	7174.07776	85.2611561	405.598527	479.212441	98.4871968	1068.55932	2.42838771	11.395619	13.50634	2.75314891	30.0834949	NonEnzymeReg
3.46575268	22.3586205	14.8447601	4.7205726	45.8859993	516.438359	3293.82627	2165.81891	784.442376	6856.98586	79.5372462	511.238329	338.547032	110.505703	1051.86563	2.27013905	14.4265076	9.43697646	3.0110495	29.4655281	NonEnzymeReg
1.56471585	9.1101721	23.8474398	10.586170	45.1084983	253.053848	1404.48163	3524.33299	1548.9942	6730.86267	36.3880505	209.7392	544.071278	240.932529	1031.13106	1.02631211	5.8440163	14.9994026	6.58044813	28.4501792	NonEnzymeReg
2.69312771	22.1140586	20.2268046	4.1931797	49.2271706	420.43333	3466.82353	3108.62239	659.261278	7655.14053	62.4403425	512.666577	466.786374	97.2090213	1139.10232	1.79261567	14.5837736	13.1830768	2.73678661	32.2962527	NonEnzymeReg
1.29489528	15.0194733	23.749045	9.5113577	49.5747713	198.120608	2319.73709	3562.28819	1457.7121	7537.85799	29.8964844	346.910711	544.686416	219.236356	1140.72997	0.869319	9.9151492	15.2801089	6.17641814	32.2409953	NonEnzymeReg
10.3925633	28.6989607	7.64180296	3.6775594	50.4108864	1535.72448	4252.95105	1176.94733	597.1215	7562.74436	236.901692	656.471023	176.317419	85.8189137	1155.50905	6.61576351	18.3411887	4.96301082	2.39054118	32.3105042	NonEnzymeReg
1.91183606	12.5176669	26.0393913	7.6950568	48.16395	281.756004	1903.29895	3908.72953	1164.02313	7257.80762	43.8050448	288.753444	598.15062	176.951793	1107.6609	1.25358592	8.2176280	16.8283081	4.98574642	31.2852684	NonEnzymeReg
2.58124939	11.3896074	24.3581973	9.6103904	48.3017941	413.316851	1772.59378	3673.34283	1434.80647	7349.48674	60.0782365	263.365685	559.740223	220.794871	1112.33405	1.71995648	7.4963811	15.7614046	6.14592461	31.3535559	NonEnzymeReg
2.60399685	12.8447032	24.4587	8.9368740	48.8442741	432.102433	2010.82708	3689.75964	1375.65375	7508.34291	61.2035285	297.785257	562.21782	206.223216	1127.42982	1.78441869	8.5529058	15.900971	5.78720973	32.0255053	NonEnzymeReg
1.03593503	19.8408135	22.0412572	6.2665254	49.1845311	167.501048	3158.38181	3481.7152	969.503588	7777.10165	24.1926485	461.255091	510.98502	144.623258	1141.05602	0.69502903	13.090566	14.2985814	4.03422289	32.1183998	NonEnzymeReg
2.18846413	12.3517038	22.5743061	11.748009	48.8624835	333.68481	1839.74817	3298.6032	1770.69953	7242.73571	50.4327007	283.271899	514.856065	269.6092	1118.16987	1.43402502	7.9901230	14.3570705	7.54458098	31.3257995	NonEnzymeReg
4.57442099	23.9091656	18.1050586	3.6590897	50.2477342	683.530011	3559.43175	2782.16711	548.63393	7573.7628	104.991785	548.417171	418.264582	83.7984197	1155.47196	3.01639717	15.589912	11.8981443	2.29756395	32.8020266	NonEnzymeReg
2.25909924	13.497591	27.4288169	5.1407487	48.3262558	349.714158	2158.53479	4245.69455	766.882048	7520.82555	52.2237405	314.383353	634.131398	117.775747	1118.51424	1.50226224	9.0438375	17.9953342	3.27109443	31.8125284	NonEnzymeReg
8.75486242	30.5791451	7.95411812	4.7850127	52.0731384	1425.8898	4665.78716	1246.20458	771.572931	8109.45447	204.313435	703.846074	183.775048	110.952039	1202.8866	5.81773564	19.8386236	5.13407339	3.08153637	33.871969	NonEnzymeReg
4.05125076	18.8522451	18.6771631	5.1003225	46.6809815	606.61252	2827.34011	2722.08716	723.290198	6879.32999	92.9132907	432.713689	426.063882	115.407157	1067.09802	2.60827475	12.1990863	11.9458774	3.20046664	29.9537051	NonEnzymeReg
1.94514417	11.2105268	29.3309981	7.1853342	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.3152457	18.9053222	4.60031207	32.1118516	NonEnzymeReg
1.83347209	8.0009491	26.1200257	13.338026	49.2924737	277.123459	1221.38857	3998.29929	2030.24144	7527.05276	42.2647959	184.44795	601.179655	306.591055	1134.48346	1.22922602	5.2597869	16.8907026	8.54392219	31.9236378	NonEnzymeReg
0.73199988	22.9137882	22.7860485	4.2272245	50.659061	111.755131	3588.63626	3610.36283	696.889243	8007.64347	16.776756	528.802075	527.646053	98.9581309	1172.18302	0.46574207	14.826824	14.756578	2.78539832	32.8339014	NonEnzymeReg
2.19731177	13.1538053	22.3188198	8.6993779	46.3693147	310.054228	1904.47235	3275.55998	1268.94686	6759.03341	49.8571736	299.772024	509.597014	198.436051	1057.66226	1.42268686	8.4847596	14.286924	5.56939231	29.7637628	NonEnzymeReg
3.62283717	20.7702994	18.8417406	4.3405471	47.5754243	576.26855	3232.22083	2893.19246	657.829113	7359.51095	84.3691117	480.848048	434.525738	99.5489619	1099.29186	2.41308985	13.688216	12.339768	2.780627	31.2217017	NonEnzymeReg
2.15355566	15.6236897	26.1600719	3.7235202	47.6608373	332.928013	2409.37712	4002.27756	545.897493	7290.48018	49.7798937	360.945966	603.285433	85.0331911	1099.04449	1.42676394	10.265961	17.0469888	2.37463188	31.1143457	NonEnzymeReg
5.84880283	26.6926433	9.8822865	7.0988313	49.5225635	889.965887	4081.83331	1582.99472	1064.25411	7619.04803	133.70232	612.986604	229.529557	162.387758	1138.60625	3.67100641	17.099867	6.4595203	4.49599118	31.7263857	NonEnzymeReg

0	3.44183077	30.8027233	14.9008462	49.1454003	0	565.220575	4773.61227	2203.33146	7542.16431	0	80.5430575	712.249801	340.539137	1133.332	0	2.29086146	20.1642661	9.54044039	31.995568	NonEnzymeReg
0.78866238	20.3912411	20.8376821	7.68956922	49.7071549	132.00472	3111.56248	3109.54431	1153.29945	7506.41111	18.5981188	469.826924	477.256737	175.928121	1141.6099	0.5456019	13.394350	13.3508726	4.85875797	32.149583	NonEnzymeReg
5.0057589	20.4053639	20.3222398	5.38642481	51.1197874	723.09160	2979.49057	2953.60552	772.047499	7428.2352	113.868889	465.188953	462.69487	122.231545	1163.98426	3.1425214	12.820124	12.7600543	3.43197837	32.154679	NonEnzymeReg
3.47126674	15.4790153	23.0853381	5.00666423	47.0422844	554.50573	2403.28876	3542.49028	745.893667	7246.17848	81.031492	358.04771	531.891961	114.618844	1085.59001	2.3323766	10.096686	14.894031	3.19043942	30.513533	NonEnzymeReg
3.43112911	19.6567415	22.3164863	2.38901133	47.7933682	524.59406	2949.24228	3388.55111	377.765767	7240.15323	79.300484	451.033946	512.846671	55.302462	1098.48356	2.2624292	12.702956	14.375860	1.52609835	30.867344	NonEnzymeReg
6.48234338	16.3249398	15.7564937	6.70025656	45.2640335	961.15815	2406.95146	2300.53027	1013.68748	6682.32737	149.64722	374.889824	360.775278	152.970768	1038.28319	4.1634407	10.430675	10.040683	4.10784439	28.742643	NonEnzymeReg
2.02335245	8.37264185	30.0922513	6.23152014	46.7197657	296.77704	1232.90128	4414.80486	902.502194	6846.98593	46.313772	191.841184	688.27482	142.152211	1068.58199	1.3337271	5.4573609	19.264414	3.94216826	29.997670	NonEnzymeReg
1.61544988	11.5308455	24.6264612	10.54152888	48.3142854	249.95852	1814.38552	3836.30114	1611.8389	7512.48408	37.237947	267.114921	569.091471	242.527306	1115.97165	1.0472498	7.6016115	16.082376	6.82897543	31.560213	NonEnzymeReg
0.98125677	14.5717095	27.362066	5.08815489	48.0031872	152.33855	2297.80623	4282.87569	774.339681	7507.36016	22.738301	338.64132	633.266748	116.907432	1111.5538	0.6568785	9.7154307	17.841597	3.26344457	31.477351	NonEnzymeReg
1.75832049	14.7995077	26.2050105	6.42262985	49.1854685	285.18710	2337.18748	4071.24988	948.014417	7641.63888	41.115039	343.803998	605.624353	146.720864	1137.26426	1.1731032	9.8164213	17.056530	4.07395226	32.120007	NonEnzymeReg
0.90009514	20.9582574	20.3919602	6.16322889	48.4135417	141.96341	3314.05897	3133.7162	917.845661	7507.58424	20.871849	486.443656	471.377804	141.341401	1120.03471	0.5896234	13.760041	13.343906	3.93304861	31.626619	NonEnzymeReg
2.24203042	13.209339	20.6340674	9.41937023	45.504807	331.42258	2017.18707	3155.5943	1426.53691	6930.74087	51.292971	304.603664	475.357875	216.197993	1047.4525	1.4457634	8.6786681	13.433226	6.01533186	29.572989	NonEnzymeReg
2.02335245	8.37264185	30.0922513	6.23152014	46.7197657	296.77704	1232.90128	4414.80486	902.502194	6846.98593	46.313772	191.841184	688.27482	142.152211	1068.58199	1.3337271	5.4573609	19.264414	3.94216826	29.997670	NonEnzymeReg
2.07382192	11.403483	23.9493502	9.04088198	46.4675373	295.46423	1695.18764	3562.10027	1350.28181	6903.03395	47.024960	260.947926	547.808584	207.147043	1062.92851	1.3108087	7.3285325	15.377042	5.80165355	29.818031	NonEnzymeReg
3.11533343	11.983676	11.999790	17.08387111	44.182671	445.63573	1753.62489	1852.14742	2577.55922	6628.96726	70.836574	273.511933	277.186336	392.05898	1013.59382	2.0371318	7.8094973	7.8746807	11.03513	28.756446	NonEnzymeReg
2.10276712	23.603332	18.489565	6.34029928	50.535964	345.33324	3753.61691	2903.67637	962.101376	7964.72791	49.212857	548.577793	428.060529	145.059577	1170.91076	1.3988398	15.623331	12.069567	3.94790594	33.039686	NonEnzymeReg
4.65751268	16.511532	18.220326	7.69748642	47.086858	726.82041	2580.35346	2807.65999	1189.02076	7303.85462	107.68713	382.307188	419.982257	177.237134	1087.2137	2.9907749	10.719620	11.706339	4.87604703	30.292782	NonEnzymeReg
1.94354943	17.151905	25.41906	4.71500584	49.229520	311.63560	2713.9989	3948.88704	724.480534	7699.00209	45.325211	398.856453	587.403382	108.422984	1140.00803	1.2986761	11.403746	16.605319	3.02744275	32.335194	NonEnzymeReg
1.27336887	9.7662396	27.836802	9.68546417	48.561875	193.20727	1521.19815	4321.16744	1487.60267	7523.17554	29.326632	226.294934	643.647955	223.087184	1122.3567	0.8241511	6.4369633	18.210428	6.23094755	31.702491	NonEnzymeReg
3.08626587	19.784763	18.606762	8.63913344	50.116925	482.11460	3064.43786	2903.47435	1339.48818	7789.51499	71.578519	457.457616	430.858839	199.472361	1159.36734	2.0750056	13.063340	12.213700	5.61793815	32.969985	NonEnzymeReg
2.57978856	13.176402	23.431323	8.81381376	48.001328	382.92833	2009.88207	3500.95403	1305.88633	7199.65077	59.136697	303.257977	536.99009	201.664108	1101.04887	1.6556153	8.5138929	15.076310	5.62399263	30.869809	NonEnzymeReg
1.78856021	19.545879	17.786218	9.45511049	48.575765	255.73045	2824.91482	2612.32443	1410.2671	7103.2368	40.715782	445.940901	407.067614	216.578533	1110.30283	1.1453576	12.513395	11.346518	5.97041852	30.975693	NonEnzymeReg
3.71582507	24.915003	16.661894	3.61564232	48.908365	554.03886	3687.25944	2529.05657	560.475774	7330.83065	85.172815	570.261805	384.180142	83.4701997	1123.08496	2.4111134	15.910623	10.839714	2.31456542	31.476026	NonEnzymeReg
0	12.114619	27.760191	7.59240715	47.467217	0	1781.762	4078.54139	1132.67003	6992.97342	0	276.994249	633.897298	173.63305	1084.5246	0	7.8964336	17.831520	4.79197928	30.519935	NonEnzymeReg
3.13603183	17.816459	24.630966	1.43730222	47.020760	460.44069	2692.79553	3744.68717	195.2616	7093.18499	71.688372	408.750138	565.479201	32.184529	1078.10224	2.053766	11.494995	15.777596	0.87001663	30.196375	NonEnzymeReg
4.30065306	25.178117	15.410784	3.48385746	48.373413	617.97594	3691.07767	2322.46171	531.613673	7163.12899	97.721454	576.127579	354.129034	80.321419	1108.29949	2.7213075	16.214224	9.9446933	2.22197298	31.102197	NonEnzymeReg
2.31958778	11.706833	27.478980	7.05819534	48.563596	345.70654	1792.64785	4287.44329	1079.56137	7505.35906	53.384929	269.819776	634.886768	162.378055	1120.46953	1.5371125	7.6730038	17.883962	4.56517476	31.659253	NonEnzymeReg
10.2205119	31.748998	5.3827021	1.14317031	48.495382	1596.7871	4830.26413	824.240302	175.342192	7426.63376	237.01635	731.100348	124.359864	26.519983	1118.99656	6.8226865	20.654664	3.5158981	0.75764441	31.750893	NonEnzymeReg
2.305718	19.734974	23.223080	2.23051445	47.494287	363.86184	3073.67739	3455.86961	344.33757	7237.74642	53.763141	457.875573	532.533314	51.511360	1095.68339	1.5789552	13.234491	14.966692	1.43210782	31.212204	NonEnzymeReg
3.98221391	19.397947	18.144323	11.29442451	52.818910	639.27192	3074.16445	2821.20525	1782.83222	8317.47384	92.624591	450.00411	419.013867	261.97693	1223.6195	2.6332161	12.742224	11.81179	7.41581076	34.603041	NonEnzymeReg
0	8.5329787	21.753865	17.547696	47.834540	0	1337.49667	3309.95876	2594.72301	7242.17844	0	198.229465	501.385892	401.27057	1100.8854	0	5.7138660	14.206867	11.248182	31.168915	NonEnzymeReg

2.86196332	19.042043	21.5057759	4.32571653	47.7354988	452.208318	2936.6319	3284.70365	650.393779	7323.93765	66.4650743	439.457959	494.712657	98.9681591	1099.60385	1.888455	12.3610023	13.7830276	2.72125676	30.7537417	NonEnzymeReg
1.92599134	11.056652	22.9221444	12.2008958	48.1056836	273.156121	1586.69236	3382.65592	1792.01313	7034.51753	43.6412628	251.430401	523.992121	278.473598	1097.53738	1.207891	7.0654885	14.832854	7.81581694	30.9220514	NonEnzymeReg
1.89460094	13.207867	24.4000717	8.12643945	47.6289796	276.230714	1913.7325	3574.31446	1189.36825	6953.64593	43.2588987	300.887108	556.756395	185.180025	1086.08243	1.238138	8.4865883	15.621203	5.12794626	30.4738713	NonEnzymeReg
1.26145891	17.213048	23.3527631	4.037262	45.8645321	193.062276	2649.03337	3488.95618	584.6587	6915.71052	29.2671842	397.785941	534.782088	91.67474 16	1053.50996	0.817797	11.092252	14.763925	2.52007599	29.194052	NonEnzymeReg
1.68631995	12.931360	26.7952687	6.87834714	48.2912966	271.854789	2012.63833	4121.1579	1054.62509	7460.27611	39.3631223	298.588641	617.746578	158.704746	1114.40309	1.121966	8.3392859	17.276494	4.40508468	31.1428315	NonEnzymeReg
2.6584231	13.616584	20.6506083	10.42674 84	47.7196023	421.842289	2097.69	3114.99057	1593.541 24	7298.62567	61.9436198	314.360598	473.583704	239.730282	1098.49934	1.806622 42	9.0029585	13.334673 2	6.68505995	31.0664131	NonEnzymeReg
1.92877761	12.436008 9	25.6844248	8.67174346	48.7209547	293.178953	1920.38115	3948.07847	1310.92432	7472.56289	44.4345074	287.205612	591.458919	199.02058	1122.11962	1.281234 88	8.1793681 3	16.601218	5.58674107	31.6485621	NonEnzymeReg
2.07580099	15.570003 1	21.9479956	9.39187926	48.985679	317.348577	2375.1162	3363.20813	1423.48565	7479.15856	48.0530827	359.298381	506.65655	215.758454	1129.76647	1.406936 67	10.312853 7	14.419113 4	6.03057425	32.169478	NonEnzymeReg
4.28353581	22.085697 7	15.4563703	6.1651452	47.990749	632.786877	3302.31123	2344.90404	933.64431 3	7213.64647	98.0382672	506.632513	355.373369	141.580431	1101.62458	2.795092 28	14.230671 7	9.9757851 4	3.97467344	30.9762226	NonEnzymeReg
0.85364165	15.631894 6	21.3889389	11.02770 22	48.9021774	124.460346	2315.7732	3249.33282	1738.26792	7427.83428	19.4993531	358.100466	492.71563	256.199937	1126.51539	0.560770 83	10.171020 5	14.003193 9	7.29072634	32.025711 5	NonEnzymeReg
6.48234338	16.324939 8	15.7564937	6.70025656	45.2640335	961.158151	2406.95146	2300.53027	1013.68748	6682.32737	149.647322	374.889824	360.775278	152.970768	1038.28319	4.163440 73	10.430675 6	10.040683	4.10784439	28.742643 7	NonEnzymeReg
4.80411709	18.367643 7	18.3772673	4.43384624	45.9828743	694.685813	2653.22688	2732.05629	671.129505	6751.09849	109.417385	417.949881	420.263495	101.769417	1049.40018	3.112359 34	11.719819	11.711935 4	2.84607233	29.390186 1	NonEnzymeReg
4.71683792	21.038276 9	16.5806526	2.38765146	47.0513918	729.304413	3305.89867	2607.10904	391.949788	7408.49167	108.043896	485.607711	383.70143	55.5640018	1086.89614	2.908256 42	13.407502 4	10.701001 4	1.49587318	29.951037 6	NonEnzymeReg
2.48984989	20.336003	19.411014	5.72162791	47.9584948	380.828088	3044.3808	2899.67368	874.534179	7199.41675	57.47922 95	466.812143	445.443437	132.085968	1101.82078	1.634929 17	13.106117	12.526574 2	3.74310316	31.010723 5	NonEnzymeReg
2.28531283	18.502509	20.6998259	7.50691346	48.9945533	336.314097	2767.5745	3148.99287	1120.64246	7373.52392	52.19737 7	424.083437	475.45361	171.550978	1123.2854	1.482791 01	11.872706 9	13.259786 8	4.70343316	31.318717 9	NonEnzymeReg
1.97106852	18.167427 3	27.6419835	2.35293 34	50.1334127	280.508011	2741.00081	4198.43886	391.829008	7611.77669	44.75856 1	418.102164	635.563805	54.8661001	1153.29063	1.271053 15	11.837826 7	17.793227 8	1.49328748	32.395395 1	NonEnzymeReg
1.04427265	12.559064 5	24.9543863	11.08079 23	49.6385158	161.555869	1973.60889	3944.27357	1741.6142	7821.05252	24.2113937	291.80925 2	580.003986	257.034892	1153.05952	0.702121 17	8.3866167 3	16.484747 5	7.29111377	32.864599 1	NonEnzymeReg
0	8.532978 7	21.7538652	17.5476963	47.8345402	0	1337.49667	3309.95876	2594.72301	7242.17844	0	198.229465	501.385692	401.270578	1100.88574	0	5.7138660 9	14.20686 7	11.248182	31.168915 1	NonEnzymeReg
2.66612397	16.995828 4	21.6991892	5.63326628	46.9944079	389.46522	2507.53673	3314.97964	867.539201	7079.52079	60.7766408	387.672899	498.546876	129.747997	1076.74441	1.709448 33	10.761444 4	13.949309 9	3.62963611	30.049837	NonEnzymeReg
2.18940093	17.826248 2	23.3650012	5.09020014	48.4708504	324.79668	2672.28521	3489.30265	771.87201	7258.25654	50.0803429	408.411313	535.460677	117.162971	1111.1153	1.405864 91	11.454143 2	15.008225 4	3.26078141	31.129014 9	NonEnzymeReg
1.94110932	12.694334 2	24.5261473	8.27608928	47.4376801	294.203991	1917.84233	3687.66444	1260.23757	7159.94832	44.8563035	291.691252	561.990024	190.115726	1088.65331	1.283928 27	8.2593113 1	15.649474 5	5.24385368	30.436567 8	NonEnzymeReg
6.65187139	32.066034 7	4.71140206	4.55379029	47.9830984	957.704483	4783.2663	689.012757	663.423761	7093.4073	151.324382	733.294627	107.351637	103.701182	1095.67183	4.270417 51	20.435626 6	2.9911355 1	2.82633351	30.523513 1	NonEnzymeReg
0	8.128571 37	28.0982629	8.08939941	44.3162337	0	1153.50232	4087.68288	1205.21841	6446.40361	0	185.052513	643.820274	185.784174	1014.65696	0	5.1757615 1	17.969309 2	5.22690806	28.371978 8	NonEnzymeReg
1.37705 32	9.8063523 6	23.1192041	13.8556002	48.1582098	201.654024	1506.80044	3664.2183	2189.20767	7561.88043	31.4980054	226.459153	537.215571	321.605446	1116.77818	0.897196 48	6.4421119	15.271840 5	9.09112449	31.702273 4	NonEnzymeReg
1.34867281	7.9797592 8	24.8124914	12.6871588	46.8280823	205.217004	1239.6733	3960.31093	2008.49129	7413.69253	31.2382803	186.099439	578.686351	294.571687	1090.59576	0.893543 7	5.2580674 6	16.302469 8	8.23428592	30.688366 9	NonEnzymeReg
0.91566716	9.0878367 8	20.9368745	18.0312696	48.971648	149.493948	1495.88411	3361.45518	2836.08368	7842.91692	21.4247271	213.291218	488.168729	417.720681	1140.60536	0.617611 04	6.1977745 9	13.944703 2	11.73929 75	32.499386 4	NonEnzymeReg
4.85787154	29.037456 5	13.6096107	1.5209312	49.0258699	769.616915	4594.01991	2179.56197	214.832809	7758.0316	112.835263	673.484296	316.397755	34.5374811	1137.2548	3.216653 4	18.994467 5	8.8483160 2	0.95096308	32.0104	NonEnzymeReg
3.67704828	21.261934 9	19.265846	4.15141885	48.356248	535.306669	3211.5774	2940.42059	638.453888	7325.75854	83.6275262	486.590167	442.426454	95.1834739	1107.82762	2.348027 23	13.491192 9	12.274179 9	2.58972945	30.703129 5	NonEnzymeReg
3.61714632	14.676421 6	21.7027521	8.52436077	48.5206808	532.67116	2179.85795	3225.00523	1275.40267	7212.93701	82.8156403	336.753813	497.333786	195.524799	1112.42804	2.363685 83	9.6457179 9	14.002232 9	5.45097887	31.462615 6	NonEnzymeReg
0.48806544	16.065811 6	24.0980011	9.55228017	50.6774054	77.6448312	2595.15876	3811.03008	1473.55691	8027.93329	11.3483897	375.084688	559.51296	220.831146	1177.70521	0.329005 53	10.868432 9	15.990634 3	6.24634782	33.746656 5	NonEnzymeReg
2.63415722	13.185266 4	28.9041429	4.35908609	49.0826526	405.105873	2087.76668	4515.45576	666.465536	7674.79385	60.8027562	306.080726	668.018401	100.271363	1135.17325	1.740548 7	8.7371901 9	18.795672	2.8142424	32.087653 2	NonEnzymeReg

1.26145891	17.2130481	23.3527631	4.037262	45.8645321	193.062276	2649.03337	3488.95618	584.6587	6915.71052	29.2671842	397.785941	534.782088	91.6747416	1053.50996	0.81779795	11.0922528	14.7639253	2.52007599	29.194052	NonEnzymeReg
0.50705789	8.122106	19.8915148	20.7719561	49.2926348	80.3777966	1282.37513	3110.30334	3204.84927	7677.90553	11.8295438	189.05785	461.099381	479.371811	1141.35859	0.34671357	5.4599283	13.1658428	13.5835884	32.5560736	NonEnzymeReg
8.96639078	15.9566941	14.4487731	9.44558716	48.8174451	1334.60072	2285.78659	2047.21123	1352.7764	7020.37494	205.174594	362.379703	327.344542	215.076388	1109.97523	5.70757211	10.0285821	9.02112534	5.95353244	30.710812	NonEnzymeReg
2.56560896	16.98004	20.7663662	7.29810236	47.6101175	410.74370 2	2653.37072	3222.06484	1116.1397	7402.31896	59.7974787	392.962964	479.768076	167.871405	1100.39992	1.71917416	11.1764548	13.524669	4.68994589	31.1102438	NonEnzymeReg
2.08008436	10.4044532	23.3986978	11.627178	47.5104134	321.806284	1554.87441	3477.30112	1706.4427	7060.42452	47.7856376	237.494713	533.629223	264.728889	1083.63846	1.32294729	6.5778785 3	14.8057302	7.37663476	30.083190 8	NonEnzymeReg
1.720411	9.16192994	24.6528706	12.521466 3	48.0566779	270.897756	1421.81726	3823.85019	1912.40454	7428.96974	39.9254073	211.270728	568.535603	287.244908	1106.97665	1.13118562	5.9276308 6	15.9648087	7.92008926	30.943714 5	NonEnzymeReg
4.12104465	21.8954442	15.8029512	6.42206809	48.2415081	611.555216	3258.30004	2345.02895	976.548468	7191.43268	94.1268727	502.222592	362.557185	147.690933	1106.59758	2.63485626	14.199415	10.2712292	4.13953134	31.2450283	NonEnzymeReg
4.89508208	12.3095346	10.412986	6.91717078	34.5347735	708.94326	1773.75269	1449.29812	942.43297 2	4874.42704	110.433387	277.966231	234.571844	156.193467	779.164929	2.87089785	7.2905703 2	6.21385024	4.15230391	20.527623	NonEnzymeReg
1.22747153	6.78227166	23.8202081	16.07348 08	47.9034321	197.546299	1068.20758	3644.52366	2403.81612	7314.09366	28.7241806	157.754376	550.321283	369.583038	1106.38288	0.84066981	4.5443968	15.7055743	10.4286767	31.5193176	NonEnzymeReg
1.36902581	12.6161907	24.8973866	9.72099702	48.6036001	220.793491	2021.59509	4013.15233	1544.76115	7800.30206	31.9415201	293.650434	580.485348	225.800744	1131.87805	0.91713399	8.3639340 2	16.4510299	6.35752102	32.089618 9	NonEnzymeReg
2.47382413	8.3120129	23.5324847	13.51498 17	47.8333034	379.52957	1267.80913	3662.35687	2076.28466	7385.98023	57.2201091	191.483937	544.094453	311.519943	1104.31844	1.65803213	5.4230877 9	15.32816	8.78202004	31.1913	NonEnzymeReg
1.85148729	12.2372688	21.8107793	13.08108 34	48.9806188	301.75699	1903.94223	3363.62532	2006.04935	7575.37389	43.4454965	283.297014	503.651633	301.179306	1131.57345	1.27008419	8.1264919 1	14.296245	8.46115467	32.153975	NonEnzymeReg
3.48020574	19.4572731	20.1286653	5.782685 8	48.848833	499.34809	2859.78527	2939.88187	835.55243 3	7134.56766	78.8875264	444.112885	459.311963	131.616219	1113.92859	2.18584385	12.485799 9	13.0240552	3.70087964	31.396578 6	NonEnzymeReg
4.96778412	23.8301714	18.1245459	3.43218587	50.3546873	795.074588	3784.4652	2878.67065	507.64179 3	7965.85223	116.606549	555.385943	421.241131	78.6058579	1171.83948	3.40760581	16.0424464	12.0264621	2.19808471	33.674599 1	NonEnzymeReg
0.32819871	17.5526502	23.8457957	7.22772801	48.9543726	49.104538	2644.92492	3572.07483	1054.35222	7320.45651	7.56128 86	404.425539	548.044373	165.009249	1125.04045	0.22028136	11.568757 1	15.4906993	4.57431666	31.854054 4	NonEnzymeReg
1.97109726	17.0769558	21.0746902	8.42415607	48.5468993	311.542043	2683.69168	3284.73024	1280.21981	7560.18377	45.7497616	396.598103	487.856118	194.087601	1124.29158	1.29220283	11.313065 2	13.8158834	5.50736309	31.928514 5	NonEnzymeReg
1.72128635	12.9230006	23.9757149	9.40146288	48.0214647	273.54578	2009.95564	3666.61305	1419.28414	7369.3986	40.0702039	299.882281	552.891615	216.00191	1108.84601	1.13005319	8.5420415 4	15.5990067	6.06949769	31.340599 1	NonEnzymeReg
2.09642396	12.697725	24.5640403	7.45458844	46.8127777	319.931964	1932.11926	3716.73613	1099.43419	7068.22154	48.2492736	292.091087	564.213495	170.239916	1074.79377	1.36852751	8.2504645	15.7685309	4.71691269	30.104435 6	NonEnzymeReg
12.0094476	13.4012254	9.92558583	13.05851 14	48.3947702	1701.71969	1865.86392	1379.15601	1823.96041	6770.70002	271.74232	302.553002	224.166419	295.061756	1093.5235	7.53632761	8.4346544 4	6.33057162	8.27837684	30.579930 5	NonEnzymeReg
2.18908533	17.2810964	23.2800621	6.22874987	48.9789936	332.45643	2626.57077	3597.01284	956.41564 3	7512.45568	50.4803257	397.766465	537.507511	143.491575	1129.24588	1.44178094	11.256161 01	15.2134992	4.04802289	31.959463 2	NonEnzymeReg
1.70149515	15.8375904	25.3850144	4.55564369	47.4797437	254.18451 7	2462.8014	3899.99708	710.97970 1	7327.9627	39.0373656	366.222212	584.726878	105.098183	1095.08464	1.09842045	10.331292 3	16.3873834	2.91935939	30.736455 6	NonEnzymeReg
4.73540335	28.4599325	10.7070171	1.92083315	45.8231861	699.96225	4278.29649	1648.33221	338.21577	6964.80672	108.125352	652.434075	246.237964	45.4821959	1052.27959	3.04323015	18.273689	6.78434471	1.23558147	29.336845 3	NonEnzymeReg
1.4903361	9.45858659	24.3541402	14.003396	49.306459	236.918189	1513.77224	3869.47895	2169.39559	7789.56497	34.650843	220.51358	565.849209	323.244788	1144.25842	0.98372372	6.3292171 9	16.0906913	9.04499171	32.448624	NonEnzymeReg
1.10681905	22.9060964	21.3396381	3.83482653	49.18738	166.090375	3428.20585	3184.11921	581.56105 5	7359.9765	25.4085522	524.404866	487.994185	87.9922021	1125.79981	0.72849915	14.740628 9	13.591927	2.42330658	31.484361 6	NonEnzymeReg
2.3717374	12.4455302	25.8739293	6.68621509	47.5223882	350.594325	1899.31786	3913.36166	1011.40059	7196.39887	54.4701736	287.465599	595.949676	153.84179	1095.06068	1.53795373	8.1868079 4	16.8301565	4.32469014	30.972514	NonEnzymeReg
6.3292205	18.9075757	12.7895978	9.28680067	47.3131946	901.262471	2790.00754	1911.0781	1393.33155	6995.67965	143.474416	432.146478	293.135203	213.025561	1081.78166	3.96848329	12.048993 3	8.21217842	5.99832542	30.227980 5	NonEnzymeReg
1.43980084	18.1265648	16.8506107	12.197202	48.6141765	223.675808	2868.04138	2679.52133	1919.47595	7690.71446	33.2775875	420.53846	390.152368	281.238009	1125.20642	0.96621 81	12.067395 8	10.8863877	7.77574884	31.695750 4	NonEnzymeReg
2.07609159	12.4012886	23.3506367	9.03906505	46.8670819	322.394677	1897.2383	3518.77831	1341.63222	7080.0435	48.1176854	285.458933	535.045781	206.607771	1075.23017	1.38219851	8.0827360 8	14.8869057	5.74470185	30.096542 1	NonEnzymeReg
5.33006824	18.6100368	16.7550214	7.37607582	48.4706009	801.652904	2796.17823	2606.67338	1151.77905	7418.43743	122.180178	426.769193	388.106137	171.009945	1117.28693	3.40663 68	11.931386 3	10.96636 1	4.79420409	31.350388	NonEnzymeReg
2.09713116	11.8983448	26.3957489	9.34478642	49.7360112	314.508581	1793.70204	4022.99141	1428.17114	7559.37317	48.189749	273.1251	607.539118	215.162876	1144.01684	1.38319725	7.7225635 8	17.0916897	6.04225574	32.239706 3	NonEnzymeReg
5.55499964	29.1283032	11.4561969	2.19059304	48.3300928	830.498309	4473.46942	1752.5883	377.83407	7434.3901	127.772384	672.764413	263.331459	51.6075565	1115.47581	3.67144 08	19.098246 9	7.27795309	1.38667618	31.434317	NonEnzymeReg

2.36080092	11.390221	25.4792186	5.72652757	44.9567681	367.481116	1822.98602	4018.77714	868.806279	7078.05056	54.6575913	265.842635	591.841787	131.834932	1044.17695	1.54343456	7.62889335	16.6840479	3.66552371	29.5218995	NonEnzyme Reg
6.26934878	32.479067	6.29340517	3.02421012	48.0660312	932.608689	4881.74239	947.281631	495.184962	7256.81767	144.30701	745.623898	144.243528	70.2107536	1104.38519	4.14654948	20.8572425	4.0102729	1.90174555	30.9158104	NonEnzyme Reg
6.03138381	21.692903	18.0771204	2.19946028	48.0008677	883.407277	3239.01451	2732.48767	364.457015	7219.36648	137.54201	496.064915	415.041837	51.4687566	1100.11752	3.8439379	13.8359778	11.6580174	1.45160756	30.7895407	NonEnzyme Reg
2.40446769	15.480080	25.8848022	4.76096141	48.5303114	379.38184	2480.25133	4113.08671	718.056664	7690.77654	56.0038552	361.082169	601.718349	109.348649	1128.15302	1.61916638	10.3412759	17.0144455	3.03230614	32.0071939	NonEnzyme Reg
4.06147299	17.318011	17.9498048	8.8821032	48.2113927	626.717799	2605.63988	2771.60317	1423.24713	7427.20798	93.662036	397.10601	413.557497	206.328966	1110.65451	2.63384977	11.1344354	11.6045638	5.78949745	31.1623464	NonEnzyme Reg
1.18909501	18.822467	18.2408081	11.417379	49.6697496	181.42147	2809.49979	2754.20961	1721.93752	7467.06838	27.4309079	430.895211	418.386924	261.617965	1138.33101	0.79169771	12.1348171	11.7090151	7.26505099	31.9005808	NonEnzyme Reg
2.34322058	14.889246	23.4346166	9.22107479	49.8881584	349.558735	2306.03952	3646.21048	1400.7922	7702.60093	53.7463019	344.369446	542.380034	212.250002	1152.74578	1.52361039	9.7967006	15.3676034	5.89291488	32.5808307	NonEnzyme Reg
1.77551929	9.7608964	22.54197	14.610891	48.6892769	270.23286	1523.78158	3379.44137	2170.10355	7343.55936	40.949727	226.081837	516.784683	334.317559	1118.13381	1.18667681	6.4450912	14.5052108	9.35641259	31.4933914	NonEnzyme Reg
3.23177188	16.375532	24.113723	5.82285532	49.5438734	499.247974	2457.591	3499.5711	852.5867	7308.99677	74.9155626	376.845969	549.498896	133.044719	1134.30515	2.18045502	10.8000415	15.4957331	3.74607454	32.2223041	NonEnzyme Reg
0	6.5718988	25.3586356	14.864893	46.7954277	0	1030.60279	3798.5736	2145.07768	6974.25406	0	152.72997	583.016873	338.610777	1074.35762	0	4.4315914	16.6585867	9.46073807	30.5509162	NonEnzyme Reg
0	22.508614	24.8288744	2.28103327	49.6185222	0	3522.45914	3830.70738	369.383555	7722.55007	0	522.197755	573.880491	53.1097625	1149.18801	0	14.958336	16.2650618	1.48311043	32.7065091	NonEnzyme Reg
0.71083271	11.868624	27.1719071	7.40808442	47.1594485	105.572061	1750.38641	3981.8879	1085.72213	6923.56851	16.2936632	271.571896	620.581378	169.343499	1077.79044	0.46557834	7.6994225	17.3706454	4.70959897	30.2452453	NonEnzyme Reg
2.56577154	19.991543	22.0706346	4.19661719	48.8245667	380.659195	3038.59337	3304.81894	612.445944	7336.51745	58.7532573	460.429961	506.445215	95.9406568	1121.56909	1.67709081	13.095631	14.2317258	2.70869332	31.7131469	NonEnzyme Reg
1.05644185	12.944284	23.2116004	9.78244171	46.9947723	162.048081	2011.94113	3519.21762	1461.181	7154.38783	24.3547336	299.032627	532.616086	223.508572	1079.51202	0.69217885	8.4962808	14.9282355	6.19171993	30.3084151	NonEnzyme Reg
2.01498167	15.130385	24.6254243	6.15248462	47.9232756	308.764645	2326.82562	3703.15414	890.973859	7229.71826	46.5208128	349.409217	565.610839	140.233128	1101.774	1.33659778	9.9732365	16.0043353	3.95280431	31.2669744	NonEnzyme Reg
2.08209553	16.631803	24.6949179	5.30692863	48.7157456	326.985395	2591.27122	3689.61376	763.560195	7371.43057	48.2132846	384.435159	566.637285	120.798718	1120.08445	1.34546196	10.833815	15.9899487	3.39400994	31.5632359	NonEnzyme Reg
1.71055541	13.538686	27.218447	7.01660639	49.4842882	254.32529	2039.5952	4151.65305	1047.96372	7493.53726	39.1934314	311.171867	626.548926	160.661952	1137.57618	1.09859639	8.7787213	17.6061921	4.47216639	31.9556759	NonEnzyme Reg
1.92077221	21.832730	18.22351	5.31592019	47.2929327	317.232415	3421.24259	2831.57636	789.892706	7359.94407	45.191939	506.610406	421.629593	121.338541	1094.77048	1.32135832	14.476153	11.8541734	3.32048916	30.9721761	NonEnzyme Reg
1.70355233	9.8176190	23.0125258	13.0060558	47.5397529	285.25129	1552.63714	3572.73507	1999.70204	7410.32617	40.2404439	228.394373	532.163438	299.957838	1100.75609	1.16709167	6.5278941	15.0296154	8.41818732	31.1427886	NonEnzyme Reg
9.25391473	14.04876	15.8670814	6.97990649	46.1496697	1322.78209	2012.62052	2287.34222	1021.61405	6644.35888	210.036763	318.788291	360.284239	159.142518	1048.25181	5.928576	8.9338574	9.9175746	4.45034448	29.2303526	NonEnzyme Reg
3.01397578	15.201698	24.225072	7.48921381	49.9299597	477.454485	2403.27689	3756.0215	1137.5324	7774.28527	70.0341697	352.943371	559.361835	171.978234	1154.31761	2.01657891	10.072851	15.7437236	4.79013729	32.6232911	NonEnzyme Reg
1.87131346	15.233445	23.9354228	5.42236135	46.4625427	282.108989	2279.35138	3568.11517	785.639675	6915.21521	42.8406613	348.870383	547.678428	123.523624	1062.9131	1.19156104	9.7496890	15.2445997	3.46047417	29.6463239	NonEnzyme Reg
1.64022474	11.177031	22.2162778	12.68278	47.7163228	245.95432	1699.72792	3306.33706	1848.94345	7100.96287	37.7258311	257.77497	509.9843	289.864486	1095.34891	1.06956403	7.3303487	14.445531	8.1537053	30.9991491	NonEnzyme Reg
0.521126	8.9857223	24.0848492	14.5257783	48.1174759	80.495743	1363.28768	3636.35901	2188.3667	7268.50913	11.9934487	206.59539	553.267544	333.130088	1104.98647	0.33466096	5.8370934	15.5853843	9.30386386	31.0610025	NonEnzyme Reg
1.77776278	10.402853	25.8509905	10.61139	48.6430048	265.716258	1568.83054	3862.60777	1621.68473	7318.8393	40.8481559	239.054571	592.891575	244.088917	1116.88322	1.18433894	6.7957731	16.7395789	6.83255516	31.5522462	NonEnzyme Reg
1.45341386	10.808579	21.3644341	13.8328235	47.4592506	211.99485	1586.09434	3209.85248	2118.3663	7126.30797	33.2344698	247.569475	491.183226	319.131218	1091.11839	0.93004308	6.9351758	13.811099	8.96536175	30.6416805	NonEnzyme Reg
1.03593503	19.840813	22.0412572	6.26652544	49.1845311	167.501048	3158.38181	3481.7152	969.503588	7777.10165	24.1926485	461.255091	510.98502	144.623258	1141.05602	0.69502903	13.090566	14.2985814	4.03422289	32.1183998	NonEnzyme Reg
1.97260834	11.660609	25.5368206	9.79219718	48.9622359	293.369957	1759.25256	3830.12144	1465.89357	7348.63753	45.1644128	267.561843	585.651856	224.644613	1123.02273	1.27542528	7.5415176	16.5615021	6.31404599	31.692491	NonEnzyme Reg
1.74983903	14.481172	21.8781758	9.25070472	47.3598968	263.462775	2227.88165	3322.67667	1357.04517	7171.06626	40.1972097	334.160547	503.440596	211.279163	1089.07752	1.12771966	9.4425573	14.2058812	5.91486584	30.6910241	NonEnzyme Reg
3.12586351	18.346650	21.7846487	4.6131656	47.8703285	447.469433	2744.17954	3275.88316	692.845541	7160.37767	70.9910777	419.381723	498.80887	105.358589	1094.54026	1.99657985	11.652277	13.8465259	2.89419453	30.389578	NonEnzyme Reg
18.980202	23.993975	2.9170466	3.19618714	49.0874122	2830.42975	3615.64006	436.545617	505.417366	7388.0328	433.13684	548.841703	66.9081178	74.781539	1123.66819	11.990892	15.0686579	1.9107844	2.17790301	31.1482375	NonEnzyme Reg

0.6175833	5.90123867	24.8871721	14.7199079	46.1259019	92.0925366	911.545513	3775.51349	2207.30335	6986.45489	14.2707532	136.402426	573.419969	337.409749	1061.5029	0.39117623	3.78183389	15.9253265	9.2902219	29.3885585	NonEnzymeReg
3.10718908	17.2063721	18.9217754	9.60980076	49.2039226	484.514888	2641.81987	2938.17954	1464.90592	7580.31863	71.9693532	396.895897	438.245477	221.293558	1136.54348	2.08554867	11.3259091	12.570803	6.2658763	32.4754443	NonEnzymeReg
1.70302103	13.7615777	23.174787	10.4468876	49.0862734	274.090819	2126.5887	3543.57086	1567.12895	7511.37932	39.7675771	318.157937	533.849667	239.627418	1131.4026	1.14091703	9.0847976	15.111778	6.7294953	32.0669653	NonEnzymeReg
1.14372074	7.06868131	18.1839142	21.187648	47.5839643	178.262342	1131.28265	2875.0339	3344.32345	7528.90234	26.4271564	164.456827	422.508074	491.601522	1104.99358	0.75363656	4.6995588	12.047782	13.882496	31.3834715	NonEnzymeReg
2.13780094	14.2833408	25.6630712	5.96496263	48.0491756	348.870398	2244.55131	3931.15991	925.194497	7449.77611	50.0564197	331.16642	591.41083	137.843231	1110.4769	1.44714871	9.3468001	16.358189	3.8048144	30.9569531	NonEnzymeReg
2.54641845	24.9863343	18.7191188	1.85413643	48.106008	384.648818	3819.81659	2847.95011	270.13335	7322.54887	58.6629233	575.808254	430.685675	42.352123	1107.50898	1.68681111	16.364097	12.150853	1.1976705	31.4000317	NonEnzymeReg
1.56292248	12.4328846	25.7013239	8.46937746	48.1665084	235.825646	1860.76681	3820.73902	1256.44053	7173.77201	35.9526436	285.586281	589.212195	193.95332	1104.70444	1.04202246	8.2182975	16.826142	5.4824812	31.5689439	NonEnzymeReg
1.65539033	13.7336317	24.8745574	9.56741534	49.8309948	252.766006	2131.24515	3851.884	1449.12282	7685.01798	38.2057511	317.596364	574.698234	220.19282	1150.69317	1.10379861	9.0232195	16.182335	6.1814203	32.4907741	NonEnzymeReg
4.57572742	24.4601423	15.651639	2.80509848	47.4926072	693.665788	3689.41767	2360.93277	427.695568	7171.7118	105.346869	561.895524	359.181429	64.4635516	1090.88737	2.98164735	15.800267	10.063348	1.7954786	30.6407375	NonEnzymeReg
2.22459903	21.3201611	23.4245179	1.88545157	48.8547296	355.102719	3343.26359	3634.24396	291.998954	7624.60923	52.0385594	494.972809	541.952538	43.6968423	1132.66075	1.52709566	14.163167	15.297697	1.2503376	32.2382847	NonEnzymeReg
1.39214142	20.5488431	22.8925039	6.70295024	51.5364387	200.610736	3015.57261	3425.88001	1000.59632	7642.65967	31.72055	469.493022	524.939238	153.174507	1179.32732	0.90603436	13.287924	14.793748	4.2312946	33.2190021	NonEnzymeReg
2.02387597	19.9596656	25.0589328	3.5407474	50.5832218	297.810662	2969.67981	3726.77111	514.302741	7508.56432	46.3158802	457.173049	573.517992	81.21789284	1158.22482	1.30739571	12.724587	15.826697	2.2748018	32.1334821	NonEnzymeReg
0	20.0729409	20.6573352	6.91225955	47.6425356	0	3276.1921	3250.02587	1123.83449	7650.05247	0	469.445667	480.556566	162.437915	1112.44015	0	13.122087	13.338384	4.5268829	30.9873585	NonEnzymeReg
9.59551847	19.2318756	9.37102569	9.36877509	47.5671948	1366.15185	2736.64528	1324.42552	1306.48752	6733.71016	217.211402	435.256102	211.944849	211.448204	1075.86056	5.96285281	11.910508	5.7604673	5.6840437	29.3178719	NonEnzymeReg
0	5.64910733	26.7334454	17.1191591	49.5017118	0	863.76387	4069.75674	2620.37954	7553.90015	0	130.05703	615.073023	394.857791	1139.98784	0	3.7095658	17.464159	11.163534	32.3372593	NonEnzymeReg
2.24944353	14.2945317	24.3347657	7.08950902	47.9682499	323.411827	2169.52909	3691.35402	1073.92967	7258.2246	51.1454085	328.702903	559.057323	162.526575	1101.43221	1.43582688	9.2502812	15.627898	4.5208694	30.8348762	NonEnzymeReg
2.07720293	12.6907643	25.6363345	6.60214092	47.0064426	311.398654	1927.11465	3866.59238	1004.40557	7109.51125	47.7252379	292.125471	589.207191	151.752833	1080.81073	1.36515589	8.3040887	16.623877	4.2114503	30.5045721	NonEnzymeReg
3.58376622	18.4566652	18.7541673	10.0109225	50.8055213	568.924987	2907.59513	2847.21811	1531.66478	7855.40301	83.5608033	428.934995	431.816465	231.049827	1175.36209	2.42193631	12.337268	12.283046	6.6191345	33.6613864	NonEnzymeReg
1.92892883	13.2710434	27.2333697	6.13706908	48.5704111	289.235037	2064.98866	4266.72757	963.063198	7584.01446	44.3636299	307.392997	631.380036	141.979547	1125.11621	1.25950654	8.7213445	17.856291	3.9733385	31.8104813	NonEnzymeReg
5.20336809	33.3884128	8.47738923	1.54614931	48.6153194	837.399305	5139.68999	1264.96906	224.408361	7466.46671	121.741141	770.856324	193.869204	35.06951313	1121.53618	3.52612183	21.684439	5.4090974	0.9660432	31.5857064	NonEnzymeReg
1.08805884	16.7376195	23.0384191	9.69312431	50.5572217	160.132641	2525.45932	3466.55782	1466.43807	7618.58784	24.9218553	385.106194	528.748097	222.749014	1161.52516	0.71110234	10.87835	14.71284	6.1909389	32.4932382	NonEnzymeReg
2.47345652	18.3246573	24.2142314	3.04522529	48.0575705	391.300987	2822.15577	3642.10122	473.184478	7328.74245	57.3308207	422.409361	554.986136	70.22583026	1104.95215	1.63197894	11.951213	15.486093	1.9586502	31.0279541	NonEnzymeReg
2.40950228	12.5986602	30.0222555	3.34736773	48.3777857	360.739958	1923.79034	4628.75445	537.857522	7451.14227	55.4872139	291.082202	692.782099	77.66429079	1117.01581	1.59340162	8.3586121	19.52296	2.1193837	31.5943639	NonEnzymeReg
12.0793869	13.2256478	12.9222285	12.508536	50.7357992	1895.36834	2020.37902	1853.43816	1751.27926	7520.46476	279.75211	304.190006	293.480913	282.773522	1160.19655	7.91519661	8.5033174	8.1947629	7.8332086	32.4464842	NonEnzymeReg
2.1221435	17.3223177	18.8552464	10.4688197	48.7685273	342.924218	2753.28876	2871.87393	1559.14909	7527.236	49.5648371	402.309016	434.031863	240.385758	1126.29147	1.40306452	11.362381	12.231638	6.8090565	31.8061168	NonEnzymeReg
3.22978946	20.4956886	20.9933048	2.07679079	46.7955736	477.890721	3095.27359	3197.4515	306.760366	7077.37618	73.9242179	470.222154	482.188608	47.33390064	1073.66889	2.12790191	13.306008	13.515252	1.3173492	30.2665154	NonEnzymeReg
8.55680955	25.5451198	11.5447468	1.49484831	47.1415245	1290.86688	3802.08874	1707.18021	223.86096	7023.99679	195.867635	583.673594	262.791836	34.28608031	1076.61915	5.44239289	16.190655	7.2049413	0.9578448	29.795852	NonEnzymeReg
1.71444341	9.68187796	25.5095558	8.238495	45.4455276	239.990512	1377.79515	3660.87178	1197.83234	6523.87638	38.9495639	220.20733	579.896339	187.666001	1033.66498	1.11351445	6.2173922	16.274995	5.2705218	29.0712284	NonEnzymeReg
2.87238306	14.7735715	24.5700071	5.36111633	47.577078	456.200559	2259.2769	3700.0934	795.191787	7210.76265	66.5883209	340.103383	562.995247	122.496383	1092.18333	1.88177063	9.6079501	15.699048	3.3695469	30.5583125	NonEnzymeReg
1.09809462	16.554704	22.8840992	7.39041221	47.92731	168.400239	2570.07482	3555.25901	1135.7768	7429.51086	25.3966279	383.151673	529.120916	170.268461	1107.93768	0.73776356	10.971019	14.996866	4.7488751	31.4545245	NonEnzymeReg
1.44478808	11.3779687	25.714502	10.7166487	49.2539075	217.381235	1807.55359	3982.23346	1600.26815	7607.43644	33.3739064	265.284756	594.787745	245.894812	1139.34122	0.95916603	7.6859108	16.942570	6.9493982	32.5370526	NonEnzymeReg

3.24896021	26.7509827	17.8782195	1.3608262	49.2389886	491.978866	4016.86456	2678.38952	219.011534	7406.24448	74.6856556	614.037825	409.562194	31.4655966	1129.75127	2.12526048	17.3455332	11.5033832	0.86681371	31.8409906	NonEnzyme Reg
0.95843846	16.1823369	23.5109888	9.79579697	50.4475611	150.655828	2463.9629	3524.14423	1460.99527	7599.75823	22.3208419	373.527048	539.811078	224.138266	1159.79724	0.64659231	10.757621	15.2775324	6.28484843	32.9665941	NonEnzyme Reg
0.70602088	26.8796561	16.8644577	3.08411484	47.5342495	112.46502	4213.54213	2517.80435	447.660893	7291.47239	16.4384028	622.491901	386.46994	69.9909604	1095.3912	0.47148372	17.6845471	10.8359806	1.89079715	30.8828086	NonEnzyme Reg
0	14.3701378	22.8252062	12.4705914	49.6659354	0	2228.9596	3485.72626	1877.620553	7592.30639	0	332.822699	526.090467	286.276573	1145.18974	0	9.510124	14.8903956	8.03273897	32.4332585	NonEnzyme Reg
2.93622245	28.0439071	15.0294668	3.2651566	49.274755	434.101563	4303.10785	2280.76071	475.689077	7493.6592	67.4489821	647.93606	346.041996	74.3031415	1135.73018	1.94576119	18.3546725	9.7775748	2.07691815	32.1549266	NonEnzyme Reg
2.13708466	14.7270221	22.4041872	8.66997209	47.9382661	319.728592	2272.34198	3423.5764	1288.193116	7303.84014	49.1188286	340.098985	516.412412	198.540659	1104.17089	1.3804764	9.6263168	14.6283682	5.57638759	31.211549	NonEnzyme Reg
2.54580612	17.7420793	19.7870967	6.90299107	46.9779732	392.097386	2672.70972	2977.34409	1089.731337	7131.88256	59.0372072	408.072743	454.175186	160.550266	1081.8354	1.69840911	11.561878	12.6581351	4.52340886	30.4417708	NonEnzyme Reg
3.00405323	18.3501863	19.8389146	7.49564357	48.6887977	502.45993	2979.73443	3126.42422	1179.717135	7788.33593	70.7315271	428.731589	459.08365	174.473646	1133.02041	2.03017799	12.290574	12.8222608	4.88928918	32.0322753	NonEnzyme Reg
1.01447985	21.6567822	19.5895151	4.96658414	47.2273613	153.009103	3320.21779	2953.37796	712.958859	7139.56371	23.4396609	500.522679	450.875338	113.208882	1088.04656	0.67939646	14.310736	12.6847689	3.14197894	30.8168803	NonEnzyme Reg
3.33672418	19.3322221	21.6592531	5.26749276	49.5956921	499.534601	2913.53973	3260.94095	784.387773	7458.40305	76.4632168	443.542811	496.208377	120.398292	1136.6127	2.17647126	12.519787	13.8315224	3.34929277	31.8770652	NonEnzyme Reg
5.11023225	23.0149636	18.1162559	4.02642122	50.267873	817.817919	3538.29875	2761.17611	651.436464	7768.72925	119.00745	530.56862	416.79676	93.7623363	1160.13514	3.41251245	14.974058	11.6858321	2.62530688	32.6977103	NonEnzyme Reg
3.10114609	17.6577633	19.4549441	7.49450835	47.7083587	476.026502	2729.70514	2984.32866	1144.57828	7334.63858	71.6404877	407.867296	449.088122	172.889653	1101.48556	2.04126793	11.540668	12.8062833	4.88161687	31.2698364	NonEnzyme Reg
2.20101396	13.8628927	25.5887521	7.01699465	48.6696533	336.641345	2115.40916	3934.88578	1084.93436	7471.87065	50.8448111	319.50442	590.2801	161.729501	1122.35884	1.47833459	9.0686091	16.6576595	4.47529529	31.6798985	NonEnzyme Reg
4.15361481	16.5784294	22.4297911	4.40043067	47.562266	682.046017	2646.46976	3480.50924	687.94102	7496.96603	97.4855234	386.171006	518.413023	101.75063	1103.82018	2.83002219	10.950107	14.45763	2.80901938	31.0467883	NonEnzyme Reg
3.77371026	19.8016176	22.3241501	3.06985243	48.9693304	584.179662	3034.0665	3373.76854	445.516121	7437.53082	87.1057659	456.893058	512.066863	69.7438096	1125.8095	2.47256014	12.885593	14.2941036	1.91717211	31.5694289	NonEnzyme Reg
2.28622991	14.4823131	26.9766447	4.82885481	48.5740425	352.034129	2261.64926	4201.33206	749.51081	7564.52625	52.830188	335.526579	623.586633	111.402007	1123.34541	1.51344992	9.6195874	17.6282264	3.10613405	31.8673981	NonEnzyme Reg
6.50867155	30.1645476	10.4308883	2.28013343	49.3842409	987.21535	4625.92276	1585.83023	353.999983	7552.96832	149.98597	696.818921	240.284592	52.8170519	1139.90654	4.28824043	19.8285829	6.7744552	1.48259646	32.3738751	NonEnzyme Reg
2.16866556	18.5012707	24.7568043	3.42594986	48.8526904	343.666451	2771.54679	3671.57701	503.849282	7290.63953	50.437241	424.537835	565.690993	78.1519996	1118.81807	1.441832	11.996219	15.800288	2.18103148	31.4193684	NonEnzyme Reg
4.68333453	20.0382659	15.7637296	10.1122808	50.5976109	754.787912	3208.08266	2443.75682	1537.275114	7943.90254	109.27019	467.098275	364.332681	232.143925	1172.84507	3.13643429	13.380402	10.2947988	6.46154952	33.2731855	NonEnzyme Reg
1.74492061	10.7416601	22.0928192	13.7426023	48.3220023	260.595188	1608.13019	3356.6421	2123.886228	7349.25376	39.9994592	246.021433	507.753466	317.268309	1111.04267	1.14223948	6.9384729	14.2521669	8.95390835	31.2867877	NonEnzyme Reg
0.66952812	12.2585861	22.3379481	13.2274861	48.4935484	106.682683	1874.39771	3372.93358	1965.011339	7319.02536	15.6040334	282.561361	513.113062	302.302071	1113.58053	0.44652996	8.0111641	14.4631758	8.42487739	31.3457456	NonEnzyme Reg
2.00160886	17.7591386	22.1238653	6.20881272	48.0934255	301.563047	2744.6677	3322.97549	914.317204	7283.52345	45.9590992	410.329079	507.115436	141.717349	1105.12096	1.29893086	11.680599	14.2010896	3.93872353	31.1192539	NonEnzyme Reg
1.8037525	18.4907435	22.1916262	5.06577978	47.551902	279.091791	2802.16204	3319.04139	753.767044	7154.06226	41.7802351	426.103802	509.70892	116.160946	1093.7539	1.20149477	12.180926	14.3268316	3.25846327	30.9677622	NonEnzyme Reg
4.63258539	26.7890727	11.5606648	3.08690118	46.069224	685.394255	4127.18909	1758.90551	468.988624	7040.47707	106.45964	620.828321	267.112526	71.2938613	1065.69435	3.06447784	17.808078	7.51107147	1.99329408	30.3769412	NonEnzyme Reg
3.67704828	21.2619349	19.265846	4.15141885	48.356248	535.306669	3211.5774	2940.42059	638.453888	7325.75854	83.6275262	486.590167	442.426454	95.1834739	1107.82762	2.34802723	13.491192	12.2741799	2.58972945	30.7031295	NonEnzyme Reg
1.14105599	10.6974255	24.865964	9.59244075	46.2968863	181.618525	1727.27322	3813.51754	1458.346778	7180.75606	26.5621853	249.843665	573.297235	220.705667	1070.40875	0.76872017	7.1800886	16.1545181	6.13603399	30.2393581	NonEnzyme Reg
0.21024921	9.8702945	21.2544318	15.747101	47.2982267	28.9381671	1375.67104	3031.34404	2266.617883	6733.77981	4.7474135	223.184043	482.940747	358.297836	1074.09928	0.13627788	6.304586	13.6640139	10.0808126	30.32394	NonEnzyme Reg
2.10849296	13.6850591	24.031607	8.68016885	48.5053279	305.648492	2087.277	3720.69683	1343.818666	7457.44099	47.9855143	315.098068	555.046807	200.400988	1118.53138	1.34689345	8.9239142	15.7685152	5.63839857	31.6777215	NonEnzyme Reg
2.07112091	17.9252129	21.0811622	7.30852223	48.3860182	323.841663	2795.30032	3263.45624	1074.269696	7456.86818	48.1994033	415.546554	486.572281	166.624233	1116.94247	1.39532785	11.836691	13.6456784	4.58728952	31.4649872	NonEnzyme Reg
2.68998328	16.0794737	23.0932336	6.90885317	48.7715438	430.302568	2551.491	3617.62566	1065.436778	7664.856	62.7536283	373.836149	534.727169	159.12687	1130.44382	1.79113016	10.614724	15.0982379	4.44569268	31.9497847	NonEnzyme Reg
3.61962482	16.4819455	18.1958361	8.25429468	46.5517011	547.714802	2409.39024	2709.941	1223.680303	6890.72607	83.1677728	376.028455	416.277952	188.700157	1064.17434	2.34596595	10.523113	11.6214757	5.2471282	29.7376834	NonEnzyme Reg

5.83956824	25.0088622	13.2675987	3.90070323	48.0167323	885.560428	3873.82824	2044.67776	562.173116	7366.23955	134.233302	578.584063	306.381272	88.5615511	1107.76019	3.78985732	16.5067249	8.68285294	2.46585186	31.445287	NonEnzyme Reg
3.23533162	17.1387963	19.1081073	7.99068228	47.4729175	490.887805	2650.67994	2975.32551	1237.38764	7354.28091	74.3225743	396.113169	442.930279	184.505279	1097.8713	2.08735196	11.1459591	12.5675397	5.14115301	30.9420038	NonEnzyme Reg
1.56947878	10.6308499	24.4066524	13.0931343	49.7001154	255.882793	1634.15228	3715.93908	1927.91202	7533.88617	36.8982054	245.521518	561.536586	298.885546	1142.84186	1.09336246	7.00729923	15.8628494	8.31791028	32.2814214	NonEnzyme Reg
2.13708466	14.7270221	22.4041872	8.66997209	47.9382661	319.728592	2272.34198	3423.5764	1288.19316	7303.84014	49.1188286	340.098985	516.412412	198.540659	1104.17089	1.3804764	9.62631689	14.6283682	5.57638759	31.211549	NonEnzyme Reg
1.92599134	11.0566521	22.9221444	12.2008958	48.1056836	273.156121	1586.69236	3382.65592	1792.01313	7034.51753	43.6412628	251.430401	523.992121	278.473598	1097.53738	1.20789193	7.06548856	14.832854	7.81581694	30.9220514	NonEnzyme Reg
2.02281958	18.7621184	22.2535434	5.25496499	48.2934464	306.919093	2837.26093	3352.05233	784.674059	7280.90641	46.4919248	430.724675	510.134815	120.118738	1107.47015	1.31111694	12.1599194	14.3795263	3.36179711	31.2123597	NonEnzyme Reg
2.31100143	12.1783638	24.5895502	9.91534768	48.9942631	347.662746	1846.39753	3721.71451	1505.43025	7421.20504	53.0317262	279.800387	564.261633	227.305515	1124.39926	1.49101617	7.87438701	15.7566318	6.24802248	31.3700575	NonEnzyme Reg
1.41917442	10.7457711	26.691088	9.77539036	48.6314239	206.751875	1615.34092	4082.0064	1486.03264	7390.13184	32.4236178	246.665447	614.70945	224.62738	1118.42589	0.91571832	6.95865291	17.2061618	6.22463783	31.3051709	NonEnzyme Reg
2.16566004	10.732485	21.1585029	14.046312	48.10296	364.808312	1743.16629	3431.47822	2191.33877	7730.79159	51.005302	250.827197	494.427273	324.864805	1121.12458	1.47163373	7.12174697	14.0446214	9.13062241	31.7686245	NonEnzyme Reg
9.94432531	9.4964568	9.9165195	9.29740039	38.654697	1364.39084	1287.60982	1326.42964	1270.7509	5249.18121	223.30251	212.702975	221.338862	207.978499	865.322852	6.05774474	5.73305463	5.86476937	5.43593344	23.0915021	NonEnzyme Reg
8.44622047	34.0018661	3.3958735	2.5463974	48.3903577	1273.67319	5237.2165	506.966003	390.533702	7408.38939	194.059255	785.480449	77.8489512	58.7233342	1116.11199	5.48765777	22.2591001	2.18861085	1.65610695	31.5914755	NonEnzyme Reg
8.93875704	8.6648452	8.6018505	11.604345	37.80979	1306.35851	1282.16578	1277.99204	1730.69083	5597.20716	204.375873	198.681604	197.427247	266.651764	867.136487	5.74850556	5.60969497	5.58241103	7.56413034	24.5047419	NonEnzyme Reg
2.36589194	11.4082965	21.4338383	13.584452	48.7924788	361.194082	1737.00226	3249.13859	2066.74653	7414.08147	54.3424145	262.175426	492.18522	312.201358	1120.90442	1.51617782	7.34367984	13.8061493	8.76734011	31.4333471	NonEnzyme Reg
0	6.6981906	30.973099	13.401503	51.072795	0	1068.89335	4902.74851	2107.39086	8079.03273	0	155.882946	718.366619	309.730526	1183.98009	0	4.48952355	20.32134	8.68546104	33.4963304	NonEnzyme Reg
3.40557233	17.7819569	25.1588734	2.6220589	48.9684616	540.12941	2735.63538	3866.08241	427.696057	7569.54325	79.1724538	410.91708	580.632688	61.1724478	1131.89467	2.27217744	11.6638894	16.3464981	1.69790266	31.9804676	NonEnzyme Reg
2.26778495	21.4281943	19.7040987	8.02632689	51.4264048	338.434882	3357.20693	3097.89687	1245.93137	8039.47005	52.146221	496.37543	455.457089	184.611289	1188.59003	1.49646534	14.1337697	12.6541941	5.05807888	33.342508	NonEnzyme Reg
2.40360806	15.188842	24.8466199	6.07555745	48.5146273	354.117274	2283.5047	3700.28227	899.727431	7237.63167	54.9026188	348.662575	569.003505	138.776887	1111.34559	1.54951848	9.92264127	16.0536282	3.87309556	31.3988838	NonEnzyme Reg
0.41185589	14.5755797	21.1305128	10.032727	46.150678	59.7430868	2175.41917	3158.91119	1530.56309	6924.63653	9.4046304	334.355547	484.962287	230.864913	1059.58738	0.27137776	9.50528138	13.6956518	6.44460229	29.9169132	NonEnzyme Reg
2.26600072	12.7063837	26.4181311	7.49186237	48.8823778	352.66409	1988.05608	4006.23718	1114.80498	7461.76233	52.4912877	294.197443	607.154308	171.26861	1125.11165	1.51133609	8.35706337	17.0475228	4.73322148	31.6491437	NonEnzyme Reg
3.635921	19.8050564	20.4781915	5.1982465	49.1174154	556.966073	3074.97101	3134.59601	774.258894	7540.79199	83.8360301	457.605328	471.290892	118.853214	1131.58546	2.36926124	12.9449206	13.2361567	3.31340658	31.8637451	NonEnzyme Reg
2.90217852	17.980767	20.9502307	6.07937136	48.2042907	433.890582	2692.1038	3094.81717	898.596015	7162.73742	66.6106941	412.355232	477.949686	138.354498	1101.91167	1.88113174	11.6159159	13.2599993	3.77881964	30.7138689	NonEnzyme Reg
6.36126765	27.6921374	11.7393544	2.52803266	48.3207921	1074.53955	4349.63869	1768.84001	379.755386	7572.77363	150.420197	641.343659	268.523621	57.858709	1118.14619	4.39221571	18.1749312	7.35341477	1.57731359	31.4978752	NonEnzyme Reg
2.23622942	13.1089835	22.7962532	9.40319425	47.5446604	333.77746	1954.21388	3490.3572	1389.08506	7167.43359	51.3045989	300.393325	524.694963	214.783917	1091.1768	1.45842858	8.44715202	14.7588892	6.00102354	30.6654933	NonEnzyme Reg
1.87419852	16.0134274	24.1297864	6.59320107	48.6106134	287.836017	2465.55486	3644.93933	972.860408	7371.19062	43.1420918	369.491072	554.569942	150.480297	1117.6834	1.19914667	10.3844546	15.6134596	4.1900507	31.3871115	NonEnzyme Reg
2.55218759	15.7945012	25.7124923	5.78638964	49.8455707	412.210564	2488.23363	4005.18061	872.32188	7777.94668	59.3286473	366.501395	594.303095	132.826766	1152.9599	1.65980512	10.3972784	16.6646356	3.69230141	32.4140205	NonEnzyme Reg
2.23539644	14.753777	26.2822991	6.16513267	49.4366051	344.373114	2256.85858	4059.69274	947.801199	7608.72563	51.6889171	340.283178	607.678142	142.568826	1142.21906	1.45901499	9.64814237	17.215184	4.06263894	32.3849803	NonEnzyme Reg
0.70602088	26.8796561	16.8644577	3.08411484	47.5342495	112.46502	4213.54213	2517.80435	447.660893	7291.47239	16.4384028	622.491901	386.46994	69.9909604	1095.3912	0.47148372	17.6845471	10.8359806	1.89079715	30.8828086	NonEnzyme Reg
2.00702045	9.6575263	26.6576914	9.19203545	47.5142736	306.580582	1483.8181	4107.40042	1378.59051	7276.38961	46.3301382	222.833401	614.836976	210.781525	1094.78204	1.31105095	6.32030816	17.2480549	5.87485251	30.7542665	NonEnzyme Reg
1.87549169	19.290599	21.8650734	7.46848569	50.4996499	310.904226	3000.77338	3339.85173	1104.88992	7756.41925	44.1544254	446.089646	503.016278	170.866192	1164.12654	1.2871027	12.6147181	14.0412803	4.80742218	32.7505232	NonEnzyme Reg
2.46094253	16.6414712	22.1059203	7.44573526	48.6540693	374.342649	2597.92672	3451.91239	1108.67567	7532.85743	56.7264632	385.782451	512.597419	170.514459	1125.62079	1.59059349	10.9409702	14.540886	4.78249318	31.8549429	NonEnzyme Reg
2.07239865	11.9494862	18.9456081	14.119272	47.0867654	289.480136	1717.82833	2800.48265	2080.7763	6888.56741	46.9076437	271.664486	433.154348	322.563766	1074.29024	1.3307252	7.58131627	12.0788646	8.98992821	29.9808343	NonEnzyme Reg

1.87745959	10.8301167	22.7243393	13.9270708	49.6146789	289.389907	1681.81752	3480.68528	2063.45224	7551.6078	43.5669823	251.043184	524.190336	318.788868	1143.39131	1.26599737	7.18249954	14.8530834	8.9580672	32.4216565	NonEnzymeReg
5.01393983	26.5393232	12.2673879	1.63450771	45.4551586	705.717421	3863.59853	1814.91932	261.56601	6645.80128	113.32104	603.498162	279.748508	37.7516476	1034.31936	3.16615738	16.7534969	7.69472237	1.0236002	28.637977	NonEnzymeReg
0.69469971	13.7950508	22.9930668	11.5911795	49.0739942	111.375107	2214.90781	3638.0283	1803.64492	7767.95613	16.2187244	321.58325	533.830395	267.614436	1139.24681	0.47166491	9.25734115	15.2111062	7.4982027	32.4383195	NonEnzymeReg
1.39214142	20.5488431	22.8925039	6.70295024	51.5364387	200.610736	3015.57261	3425.88001	1000.59632	7642.65967	31.72055	469.493022	524.939238	153.174507	1179.32732	0.90603436	13.2879247	14.7937483	4.2312946	33.2190021	NonEnzymeReg
1.47810819	17.3422147	25.0769489	4.60522286	48.5024953	226.648141	2692.4476	3784.26685	689.64075	7393.00334	33.9442164	400.346608	574.430674	105.211618	1113.93312	0.94273489	11.2442013	15.9621456	2.8751251	31.0242103	NonEnzymeReg
2.05047076	18.1042849	16.9853208	8.98627447	46.1263509	312.181324	2633.52015	2492.93346	1321.40082	6760.03575	47.2141051	413.310268	387.868616	205.398972	1053.79196	1.34356298	11.5876923	10.7866041	5.7485761	29.4664355	NonEnzymeReg
0.78866238	20.3912411	20.8376821	7.68956922	49.7071549	132.004872	3111.56248	3109.54431	1153.29945	7506.41111	18.5981188	469.826924	477.256737	175.928121	1141.6099	0.54560219	13.3943508	13.3508726	4.8587597	32.1495835	NonEnzymeReg
0.33644189	17.1774693	24.4391719	5.15529335	47.1083764	50.597674	2623.99947	3642.35459	754.88287	7071.83461	7.7156523	395.622173	559.161796	117.511724	1080.01135	0.22037799	11.2277474	15.594306	3.2513046	30.293736	NonEnzymeReg
1.49366043	17.3604865	20.1351933	9.12376811	48.1131081	226.569062	2681.4688	3171.51877	1364.44774	7444.00437	34.3844113	400.836097	466.261193	208.541688	1110.02339	0.96498706	11.3343773	13.1242101	5.7803224	31.2038897	NonEnzymeReg
12.4620545	33.098935	0.9361270 6	2.27959482	48.7767114	1932.0614	5117.4169	128.747948	332.166006	7510.39225	288.451198	764.937358	21.1265607	52.2538302	1126.76895	8.29632605	21.7519631	0.5867387	1.4219815 6	32.0570094	NonEnzymeReg
1.27618357	14.1191219	27.7662345	7.69440591	50.8559459	208.118949	2275.93842	4405.77196	1206.56156	8096.39088	29.8285314	329.621797	644.780697	178.3569	1182.58793	0.85069902	9.43154169	18.2629525	5.0400804 4	33.5852736	NonEnzymeReg
1.45801205	14.281448	24.8771395	8.67450254	49.2911021	234.592046	2252.05069	3911.43288	1335.38836	7733.46397	34.1688155	331.525324	575.969113	199.70319	1141.36644	0.99342675	9.4254038	16.2156502	5.5674694 2	32.2019501	NonEnzymeReg
3.64429053	17.1713537	19.6705641	7.94147465	48.4276833	562.30103	2637.24592	3047.63196	1224.11437	7471.29329	84.2013644	396.235419	454.687093	183.242378	1118.36625	2.37536255	11.1578558	12.7874004	5.1552954 5	31.4759142	NonEnzymeReg
9.26289114	10.4016316	7.7074563 5	10.4037267	37.7757061	1378.50466	1549.28101	1145.81627	1551.65382	5625.25576	212.736025	238.919187	176.926009	239.064182	867.645404	5.94625944	6.7468363 1	5.0025151 1	6.7815480 1	24.4771589	NonEnzymeReg
2.22662365	13.1476043	23.2106242	11.3324107	49.9172629	336.363577	2025.06568	3549.39323	1749.43989	7660.26237	51.3350889	304.204403	535.181558	261.635335	1152.35638	1.46181488	8.6911306 7	15.2074365	7.3935397 9	32.7539218	NonEnzymeReg
0.99940757	24.6486708	17.8497203	4.49033546	47.9881341	156.309486	3875.80208	2842.53014	678.123621	7552.76533	23.142138	570.447428	413.947234	102.788137	1110.32494	0.66028134	16.1095376	11.6229375	2.8242382 8	31.2169947	NonEnzymeReg
1.74871899	12.4471066	21.4157129	12.8388924	48.4504307	253.426556	1911.93837	3254.22611	1942.89172	7362.48275	39.7636246	286.774817	491.505933	294.315756	1112.36013	1.11161464	8.1055180 3	13.7618712	8.2088032 8	31.1878071	NonEnzymeReg
1.92077221	21.8327303	18.22351	5.31592019	47.2929327	317.232415	3421.24259	2831.57636	789.892706	7359.94407	45.191939	506.610406	421.629593	121.338541	1094.77048	1.32135832	14.4761553	11.8541734	3.3204891 6	30.9721761	NonEnzymeReg
3.29559253	17.8880464	21.6811782	4.92880967	47.7936268	497.917364	2630.42449	3194.60904	749.623835	7072.57473	76.1473392	409.607582	495.917816	113.354314	1095.02705	2.18230284	11.6001069	13.9558551	3.1810752 6	30.9193356	NonEnzymeReg
9.51444572	32.1590355	3.3631002 4	2.17202666	47.2086081	1389.40182	4793.71051	504.38553 7	329.390715	7016.88859	217.98894 9	737.327625	77.2260168	50.1586707	1082.70126	6.18606269	20.7986183	2.1683885 7	1.4342707	30.5873403	NonEnzymeReg
2.43221141	13.4706052	22.7344574	10.2319738	48.8692478	371.142772	2024.17463	3459.74131	1564.84882	7419.90752	56.1011071	309.318857	521.949017	235.216126	1122.58511	1.61446988	8.7918417 2	14.5816391	6.5522963 8	31.5402471	NonEnzymeReg
11.573603	21.0264016	6.7023309 6	7.37991373	46.6822493	1742.20013	3239.75169	1009.60947	1087.43309	7078.99438	265.255299	484.346988	153.61564	168.77422	1071.99215	7.46630059	13.5840675	4.2074701 3	4.6200376 2	29.8778758	NonEnzymeReg
2.07580099	15.5700031	21.9479956	9.39187926	48.985679	317.348577	2375.1162	3363.20813	1423.48565	7479.15856	48.0530827	359.298381	506.65655	215.758454	1129.76647	1.40693667	10.3128537	14.4191134	6.0305742 5	32.169478	NonEnzymeReg
1.64701947	7.1202080 9	25.4982699	14.6186082	48.8841056	254.8137	1067.94181	3852.5524	2212.75737	7388.06528	38.1073286	163.225574	584.500483	334.849382	1120.68277	1.11274885	4.6649489 5	16.3723648	9.2401013 2	31.3901639	NonEnzymeReg
5.54226727	14.1372786	16.5276018	13.6751174	49.882265	844.258931	2147.04033	2500.282	2072.14361	7563.72488	127.68187 5	325.196559	380.206951	315.663771	1148.74916	3.57654209	9.1079652 6	10.6611436	8.9854097 8	32.3310607	NonEnzymeReg
2.13708466	14.7270221	22.4041872	8.66997209	47.9382661	319.728592	2272.34198	3423.5764	1288.19316	7303.84014	49.1188286	340.098985	516.412412	198.540659	1104.17089	1.38047664	9.6263168 9	14.6283682	5.5763875 9	31.211549	NonEnzymeReg
5.20722053	30.7678549	9.9212482 8	2.08254889	47.9788726	747.522832	4506.48582	1456.899	318.409884	7029.31754	118.77061 5	703.348268	226.587798	47.693534	1096.40021	3.35687407	19.900166	6.3522882 5	1.3094783 9	30.9188067	NonEnzymeReg
2.337797	16.6344187	27.5147525	3.01049768	49.8665876	356.199171	2535.34692	4126.59965	451.72787	7525.28553	53.9722679	383.973934	631.906923	69.012358 2	1147.31599	1.54197999	10.9695633	17.7987215	1.9177162	32.4598566	NonEnzymeReg
2.02063008	15.2830214	22.0830314	8.67602282	48.0627057	303.905	2312.43822	3388.93156	1324.33981	7329.61459	46.4341833	350.549644	508.049423	199.684647	1104.7179	1.31158098	9.8032492 5	14.0906157	5.5236631 2	30.7291091	NonEnzymeReg
2.26823007	16.0946401	21.3804237	9.43690871	49.1802026	349.758127	2485.03332	3318.57778	1442.43526	7595.80449	52.2940161	371.661243	494.459378	217.561303	1135.97594	1.48070389	10.5205877	14.0525461	6.1092014 6	32.1630392	NonEnzymeReg
2.94539719	17.069036	20.7498831	5.63991638	46.4042327	424.104154	2515.73736	3136.28154	815.660066	6891.78312	67.1273716	390.243554	477.201797	128.196685	1062.76941	1.89970372	10.9389563	13.4832989	3.5533294 5	29.8752883	NonEnzymeReg

4.895082 08	12.30953 46	10.41298 6	6.917170 78	34.53477 35	708.9432 6	1773.752 69	1449.298 12	942.4329 72	4874.427 04	110.4333 87	277.9662 31	234.5718 44	156.1934 67	779.1649 29	2.870897 85	7.290570 32	6.213850 24	4.152303 91	20.52762 23	NonEnzyme Reg
2.679884 65	14.69907 51	26.27402 33	6.270452 33	49.92343 53	397.0638 64	2199.014 18	4031.889 56	952.3291 79	7580.296 78	61.48271 37	336.7652 44	604.4206 26	144.1605 86	1146.829 17	1.777987 87	9.475574 81	16.80791 03	3.987854 3	32.04932 73	NonEnzyme Reg
1.970046 21	10.67287 75	24.16457 54	11.65402 55	48.46152 46	317.1464 93	1639.205 24	3704.694 38	1761.594 5	7422.640 61	45.94335 79	245.9061 42	557.1814 28	267.7921 27	1116.823 06	1.299592 85	6.905885 57	15.71039 74	7.523133 37	31.43900 92	NonEnzyme Reg
4.378123 58	23.00772 85	19.44145 86	2.464683 64	49.29199 44	715.0066 51	3674.759 9	3055.696 75	394.0879 84	7839.551 29	102.5703 19	536.4448 83	450.9616 08	57.39990 88	1147.376 72	2.957598 41	15.29906 49	12.74157 98	1.617206 04	32.61544 92	NonEnzyme Reg
8.462005 56	32.03742 55	5.907455 1	1.541993 85	47.94888	1244.057 56	4781.801 94	864.8046 26	228.4766 03	7119.140 72	193.5401 46	735.1729 02	134.9065 7	35.34127 99	1098.960 9	5.502235 62	20.83849 07	3.760358 66	0.985340 66	31.08642 56	NonEnzyme Reg
2.078205 9	13.91840 61	24.65908 81	7.152151 04	47.80785 11	322.0110 27	2164.954 28	3665.158 2	1034.701 27	7186.824 78	48.15323 26	322.3785 35	564.3622 66	162.5463 29	1097.440 36	1.394347 96	9.235707 98	15.80243 5	4.454065 87	30.88655 68	NonEnzyme Reg
1.984981 71	12.27614 97	25.97922 81	8.013513 54	48.25387 3	315.1223 5	1912.169 28	3986.178 48	1206.440 87	7419.910 98	46.08819 3	283.5422 39	598.3915 39	183.4604 39	1111.482 41	1.309603 82	7.958239 99	16.75479 23	5.073767 98	31.09640 41	NonEnzyme Reg
0.601345 92	17.78436 98	22.24416 01	7.352271	47.98214 68	94.72763 98	2658.696 43	3358.058 22	1071.597 46	7183.079 75	14.01039 2	408.3455 94	511.4183 16	167.6784 02	1101.452 7	0.402213 01	11.55338 44	14.41776 86	4.650058 84	31.02342 48	NonEnzyme Reg
10.96720 21	11.44365 81	11.14259 85	10.85051 05	44.40396 91	1524.894 52	1632.089 41	1596.554 44	1539.105 09	6292.643 47	247.0205 81	259.0310 68	252.4848 4	245.7963 91	1004.332 88	6.740184 13	7.139067 84	6.947994 06	6.853046 85	27.68029 29	NonEnzyme Reg
2.073883 41	13.62405 69	21.19405 84	10.06966 12	46.96165 99	320.1331 7	2026.865 8	3124.942 68	1472.920 78	6944.862 42	47.87479 36	311.9973 37	484.2003 59	229.8102 23	1073.882 71	1.351266 87	8.745825 46	13.51771 13	6.411742 64	30.02654 63	NonEnzyme Reg
5.542267 27	14.13727 86	16.52760 18	13.67511 74	49.88226 5	844.2589 31	2147.040 33	2500.282	2072.143 61	7563.724 88	127.6818 75	325.1965 59	380.2069 51	315.6637 71	1148.749 16	3.576542 09	9.107965 26	10.66114 36	8.985409 78	32.33106 07	NonEnzyme Reg
2.286229 91	14.48231 31	26.97664 47	4.828854 81	48.57404 25	352.0341 29	2261.649 26	4201.332 06	749.5108 1	7564.526 25	52.83018 8	335.5265 79	623.5866 33	111.4020 07	1123.345 41	1.513449 92	9.619587 74	17.62822 64	3.106134 05	31.86739 81	NonEnzyme Reg
2.079307 09	12.77503 9	22.51918 87	9.771532 96	47.14506 77	311.8634 36	1908.421 78	3303.230 97	1454.818 33	6978.334 51	47.84746 58	293.6035 15	514.2174 02	223.3328 34	1079.001 22	1.353972 15	8.325319 7	14.41633 11	6.198787 41	30.29441 04	NonEnzyme Reg
0.923662 94	15.17924 65	22.26124 12	10.06676 93	48.43092	139.0356 3	2330.169 36	3346.585 75	1468.437 13	7284.227 87	21.25171 31	350.6781 27	511.2971 01	229.6638 51	1112.890 79	0.618662	10.11868 8	14.49154 31	6.443900 48	31.67279 36	NonEnzyme Reg
3.115333 43	11.98367 63	11.99979 02	17.08387 11	44.18267 1	445.6357 33	1753.624 89	1852.147 42	2577.559 22	6628.967 26	70.83657 47	273.5119 33	277.1863 36	392.0589 8	1013.593 82	2.037131 84	7.809497 3	7.874680 73	11.03513 62	28.75644 61	NonEnzyme Reg
0.770368 24	13.69527 01	27.79123 54	7.697736 07	49.95460 98	115.4019 83	2120.851 11	4284.338 52	1192.664 91	7713.256 51	17.70268 8	317.1679 13	642.8080 57	178.2621 78	1155.940 84	0.506891 91	9.093299 42	18.40023 66	5.080835 57	33.08126 35	NonEnzyme Reg
4.880105 98	23.58568 87	16.07672 61	6.626532 47	51.16905 33	741.1586 4	3569.714 59	2389.178 93	977.7429 29	7677.795 09	112.2913 63	542.6400 38	368.3158 43	151.1509 27	1174.398 17	3.184375 3	15.37725 04	10.31707 1	4.239494 81	33.11819 16	NonEnzyme Reg
1.313701 22	16.30982 68	24.93319 84	6.953697 58	49.51042 4	213.3530 59	2610.945 03	3881.366 78	1081.527 17	7787.192 03	30.7404	379.9928 52	577.6305 92	160.9651 52	1149.329	0.895014 67	10.90912 86	16.42694 82	4.572650 45	32.80374 2	NonEnzyme Reg
2.128233 37	7.976897 02	22.73821 05	13.76761 21	46.61095 3	332.7508 05	1245.246 08	3488.114 9	2065.035 34	7131.147 12	49.31823 44	184.8525 78	525.1476 83	316.2996 73	1075.618 17	1.397654 68	5.239038 33	14.80824 13	8.814576 47	30.25951 08	NonEnzyme Reg
1.674825 6	10.51651 82	21.95394 75	13.87209 9	48.01739 03	254.4492 87	1642.544 7	3468.917 66	2159.479 24	7525.390 89	38.69565 26	243.7291 3	509.8864 65	320.7989 1	1113.110 16	1.095597 18	6.939402 87	14.46887 19	9.002757 76	31.50662 97	NonEnzyme Reg
4.147314 75	27.22326 75	9.644232 03	8.067618 8	49.08243 31	634.0459 38	4057.454 01	1457.916 08	1218.931 41	7368.347 44	95.68090 12	623.5638 56	221.1634 61	184.6155 98	1125.023 82	2.760742 68	17.64518 87	6.182061 19	5.091969 05	31.67996 16	NonEnzyme Reg
2.956277 21	14.51551 43	24.63962	5.281835 96	47.39324 74	429.5834 65	2130.106 29	3626.886 76	794.5070 35	6981.083 54	67.47289 16	331.6942 09	562.6396 53	121.1066 29	1082.913 38	1.908351 05	9.350768 87	15.61108 71	3.366150 71	30.23635 77	NonEnzyme Reg
1.898995 6	18.58464 3	19.53040 19	6.827921 99	46.84196 25	295.8503 38	2856.999 89	2961.414 58	1022.051 9	7136.316 71	44.04892 39	429.7730 96	449.8726 17	156.6086 75	1080.303 31	1.280044 48	12.23278 66	12.63526 22	4.361916 18	30.51000 94	NonEnzyme Reg
2.861963 32	19.04204 3	21.50577 59	4.325716 53	47.73549 88	452.2083 18	2936.631 9	3284.703 65	650.3937 79	7323.937 65	66.46507 43	439.4579 59	494.7126 57	98.96815 91	1099.603 85	1.888455	12.36100 23	13.78302 76	2.721256 76	30.75374 17	NonEnzyme Reg
2.641296 62	17.38749 22	22.92199 08	6.611795 69	49.56257 52	406.1436 13	2719.002 48	3545.434 34	1017.432 36	7688.012 79	61.02687 69	403.3088 09	530.2714 31	152.7334 25	1147.340 54	1.748364 17	11.53051 78	15.06920 94	4.317919 44	32.66601 08	NonEnzyme Reg
4.193355 69	28.68173 75	12.90128 56	5.159529 99	50.93590 88	616.7415 72	4362.905 93	2011.466 86	832.6411 78	7823.755 53	95.97957 25	661.9375 03	299.4700 29	119.6913 8	1177.078 48	2.685096 82	18.77536 46	8.505916 98	3.258996 35	33.22537 48	NonEnzyme Reg
2.482035 97	12.55730 31	23.30338 7	9.642856 28	47.98558 24	389.0249 75	1925.213 56	3533.167 86	1437.410 68	7284.817 08	57.45242 89	289.7013 25	536.8623 74	221.2131 19	1105.229 25	1.616576 28	8.232547 67	15.22746 05	6.227671 75	31.30425 62	NonEnzyme Reg
1.662024 02	10.84289 03	26.30956 47	10.76903 45	49.58351 36	266.8953 93	1736.500 83	4154.890 66	1728.277 12	7886.564	38.70642 14	252.5380 18	610.9215 13	250.4477 33	1152.613 69	1.101035 13	7.155123 24	17.27278 23	6.994317 36	32.52325 8	NonEnzyme Reg
3.783742 06	20.50278 06	17.41804 83	5.673191 52	47.37776 25	570.3276 11	3020.827 58	2598.348 66	843.2607 7	7032.764 61	87.04529 58	468.9471 36	398.3867 74	129.6813 14	1084.060 52	2.464161 2	13.23317 78	11.08201 44	3.627333 88	30.40668 74	NonEnzyme Reg
0.980265 27	11.12225 28	24.61681 68	12.47874 59	49.68070 26	143.1908 97	1654.873 48	3736.068 52	1841.452 93	7447.379 11	22.38794 92	254.7711 23	566.2549 2	285.0227 44	1139.472 63	0.642885 54	7.227046 04	15.97543 48	7.957163 32	32.10655 63	NonEnzyme Reg
1.984981 71	12.27614 97	25.97922 81	8.013513 54	48.25387 3	315.1223 5	1912.169 28	3986.178 48	1206.440 87	7419.910 98	46.08819 3	283.5422 39	598.3915 39	183.4604 39	1111.482 41	1.309603 82	7.958239 99	16.75479 23	5.073767 98	31.09640 41	NonEnzyme Reg

2.564660 21	18.74940 2	21.01879 18	6.348437 71	48.68129 17	384.0781 48	2991.110 66	3262.540 99	936.7056 19	7574.435 42	58.84158 19	436.4087 14	485.7906 34	144.9053 9	1125.946 32	1.677394 08	12.45442 77	13.73339 56	4.004597 42	31.86981 48	NonEnzyme Reg
0.999407 57	24.64867 08	17.84972 03	4.490335 46	47.98813 41	156.3094 86	3875.802 08	2842.530 14	678.1236 21	7552.765 33	23.14213 8	570.4474 28	413.9472 34	102.7881 37	1110.324 94	0.660281 34	16.10953 76	11.62293 75	2.824238 28	31.21699 47	NonEnzyme Reg
1.972938 5	12.63115 28	26.61223 89	7.756182 35	48.97251 26	291.9215 3	1923.458 59	4047.387 26	1165.546 86	7428.314 25	45.27852 56	291.1280 75	611.8464 67	177.7007 36	1125.953 8	1.298452 11	8.298508 12	17.20848	4.888066 46	31.69350 67	NonEnzyme Reg
0.900456 77	11.38159 77	23.06005 17	13.88538 1	49.22748 73	138.6367 66	1781.512 98	3610.303 15	2133.956 42	7664.409 32	20.81566 31	263.7882 62	533.6993 84	319.9209 15	1138.224 22	0.603288 88	7.564631 18	15.07936 48	8.915810 99	32.16309 58	NonEnzyme Reg
2.905935 67	17.88326 24	23.01109 35	5.236401 56	49.03669 31	459.9780 73	2790.133	3548.726 68	780.1349 63	7578.972 71	67.62331 55	414.2603 93	530.4388 54	119.9465 51	1132.269 11	1.967545 69	11.75596 48	14.80187 44	3.269898 31	31.79528 32	NonEnzyme Reg
1.814520 23	14.27364 19	26.31473 77	7.269054 24	49.67195 41	273.8838 45	2204.195 33	4074.618 21	1082.794 01	7635.491 39	41.85945 53	330.2307 78	608.3532 33	166.4080 21	1146.851 49	1.189697 31	9.428023 31	17.30054 52	4.658406 83	32.57667 26	NonEnzyme Reg
4.283535 81	22.08569 77	15.45637 03	6.165145 2	47.99074 9	632.7868 77	3302.311 23	2344.904 04	933.6443 13	7213.646 47	98.03826 72	506.6325 13	355.3733 69	141.5804 31	1101.624 58	2.795092 28	14.23067 17	9.975785 14	3.974673 44	30.97622 26	NonEnzyme Reg
2.352918 37	10.62840 53	30.38924 69	5.258736 7	48.62930 73	389.2660 32	1685.805 88	4672.784 57	811.3967 34	7559.253 22	55.20895 03	246.8391 85	700.6470 2	121.4362 4	1124.131 4	1.596753 14	7.043449 36	19.82384 34	3.420622 29	31.88466 81	NonEnzyme Reg
1.826145 9	11.62557 87	28.17747 89	6.330299 42	47.95950 29	272.6234 77	1789.109 93	4356.34	958.0661 48	7376.139 56	42.03330 91	268.8885 61	651.4111 81	145.6793 39	1108.012 39	1.184415 56	7.665451 64	18.41558 51	4.103189 91	31.36864 22	NonEnzyme Reg
1.943549 43	17.15190 56	25.41906	4.715005 84	49.22952 09	311.6356 08	2713.998 9	3948.887 04	724.4805 34	7699.002 09	45.32521 16	398.8564 53	587.4033 82	108.4229 84	1140.008 03	1.298687 61	11.40374 46	16.60531 96	3.027442 75	32.33519 46	NonEnzyme Reg
1.143720 74	7.068681 31	18.18391 42	21.18764 8	47.58396 43	178.2623 42	1131.282 65	2875.033 9	3344.323 45	7528.902 34	26.42715 64	164.4568 27	422.5080 74	491.6015 22	1104.993 58	0.753638 56	4.699550 88	12.04778 25	13.88249 96	31.38347 15	NonEnzyme Reg
9.941968 32	13.52389 4	13.36876 8	7.283865 09	44.11849 54	1460.410 56	1941.098 59	1885.731 86	1014.786 35	6302.027 35	227.1564 06	307.1111 58	302.1667 1	164.1608 08	1000.595 08	6.344147 21	8.488084 62	8.292954 66	4.475901 73	27.60108 82	NonEnzyme Reg
10.40978 09	12.01215 11	13.23155 41	13.41664 39	49.07013	1508.709 06	1734.815 13	1933.431 13	2138.260 03	7315.215 35	236.1769 2	272.8118 7	301.2734 41	310.1679 27	1120.430 16	6.459842 89	7.434130 67	8.257210 96	8.562116 18	30.71330 07	NonEnzyme Reg
1.791640 42	9.815662 35	27.18703 89	9.959511 55	48.75385 32	270.4142 99	1473.158 87	4150.283 51	1508.009 58	7401.866 25	41.34166 56	225.7052 3	626.6623 08	228.7232 63	1122.432 47	1.188823 84	6.467520 19	17.86817 77	6.428787 1	31.95330 88	NonEnzyme Reg
3.368286 16	13.13120 12	20.33631 39	14.45119 69	51.28699 82	528.5951 77	1977.815 48	3186.158 12	2219.651 39	7912.220 17	77.87539 85	301.8855 33	471.4951 56	332.5139 43	1183.770 03	2.156310 86	8.450909 52	13.37137 85	9.193210 77	33.17180 97	NonEnzyme Reg
0	5.946853 28	23.85057 55	20.27898 84	50.07641 72	0	896.0001 43	3603.994 14	3061.538 87	7561.533 15	0	136.6155 12	548.2487 88	465.8705 52	1150.734 85	0	3.853858 09	15.37098 63	12.98452 73	32.20937 17	NonEnzyme Reg
1.975243 63	12.62645 12	24.86216 91	9.649856 26	49.11372 03	301.1141 61	2005.688 77	3979.448 08	1516.741 05	7802.992 05	45.57899 22	293.6233 97	578.0706 27	223.8162 59	1141.089 28	1.322226 34	8.417495 64	16.36018 54	6.355713 02	32.45562 05	NonEnzyme Reg
1.827518 56	7.282839 89	28.95411 68	9.538170 38	47.60264 57	274.1009 66	1079.041 59	4260.461 16	1435.750 06	7049.353 77	42.04722 9	167.0031 37	662.0808 74	219.0827 37	1090.213 98	1.221922 4	4.773604 08	18.68532 46	6.142530 08	30.82338 12	NonEnzyme Reg
2.141018 65	13.87010 04	22.31969 18	9.235232 71	47.56604 35	322.6471 96	2075.371 59	3267.753 1	1336.896 33	7002.668 21	49.33324 43	319.1235 57	510.6532 4	210.6403 83	1089.750 42	1.413730 88	9.101709 96	14.46181 04	5.939100 43	30.91635 17	NonEnzyme Reg
0	6.894171 33	23.25191 38	17.12917 84	47.27526 36	0	1080.750 69	3543.639 86	2556.841 34	7181.231 9	0	160.0257 18	536.6673 31	393.2292 06	1089.922 26	0	4.574536 06	15.23289 95	11.03958 29	30.84701 85	NonEnzyme Reg
0.968083 48	14.49412 71	26.64797 51	7.882386 6	49.99257 23	141.7328 93	2233.348 74	4180.295 46	1230.358 52	7785.735 61	22.06529 4	334.1049 66	617.4342 14	181.9179 04	1155.522 38	0.623484 08	9.494621 03	17.58643 39	5.107210 53	32.81174 96	NonEnzyme Reg
3.192825 88	9.958129 26	28.23165 12	7.539386 25	48.92199 26	517.7239 05	1544.219 78	4422.337 76	1144.640 12	7628.921 57	74.65186 05	230.1961 15	652.6212 15	172.9818 2	1130.451 01	2.135159 77	6.527540 26	18.18655 93	4.758621 31	31.60788 06	NonEnzyme Reg
1.881450 41	13.17088 44	23.70019 51	10.45762 66	49.21015 64	289.1080 54	1991.769	3592.608 32	1591.425 56	7464.910 94	43.52190 5	303.3635 6	545.4046 17	240.3760 9	1132.666 17	1.247948 8	8.667485 51	15.48604 28	6.721449 43	32.12292 66	NonEnzyme Reg
1.138217 34	10.04472 47	24.88211 3	12.06612 96	48.13118 46	186.1256 84	1574.228 42	3806.697 13	1809.776 3	7376.827 54	26.68394 64	232.9303 95	573.5345 25	276.3750 09	1109.523 88	0.781059 38	6.656015 2	16.15287 99	7.664104 99	31.25405 95	NonEnzyme Reg
5.216826 43	26.28509 9	13.44800 01	2.426951 12	47.37687 66	785.1271 38	4036.141 02	2094.614 84	391.7226 97	7307.605 7	119.4935 36	604.4283 39	309.8114 98	56.24624 3	1089.979 62	3.341249 44	16.75937 33	8.491225 36	1.538832 96	30.13068 11	NonEnzyme Reg
4.607116 82	18.89802 81	17.95551 42	8.519539 85	49.98019 9	728.4333 11	2904.822 76	2731.913 83	1299.647 02	7664.816 92	107.1794 08	435.9927 33	412.1952 62	195.4873 59	1150.854 76	3.056028 12	12.27274 01	11.46255	5.367518 86	32.15883 71	NonEnzyme Reg
11.26816 19	12.59931 73	13.11966 84	11.87073 08	48.85787 84	1618.421 98	1905.376 45	1979.011 89	1694.395 45	7197.205 77	258.9335 55	289.5994 91	300.4819 07	268.5026 93	1117.517 65	7.261039 19	8.031426 68	8.317351 12	7.383004 2	30.99282 12	NonEnzyme Reg
15.70922	21.02486 36	11.75115 05	1.706504 16	50.19173 83	2316.063 97	3065.248 88	1701.255 01	261.0857 25	7343.653 59	359.0025 41	478.8701 05	266.6777 53	39.33302 41	1143.883 42	10.11630 4	13.41357 88	7.301861 1	1.083699 96	31.91544 38	NonEnzyme Reg
2.436435 92	13.85032 96	26.25469 38	6.484232 47	49.02569 18	374.7958 97	2162.990 99	4054.470 36	1003.514 01	7595.771 26	56.40952 17	321.0563 65	605.8786 39	149.6824 66	1133.026 99	1.647802 35	9.162279 2	17.05672 72	4.207478 46	32.07428 72	NonEnzyme Reg
3.027565 76	13.61185 49	23.32882 09	9.607447 47	49.57568 9	492.1370 56	2132.258 63	3573.372 55	1455.648 74	7653.416 97	70.82760 4	315.6638 83	537.4027 34	220.7910 37	1144.685 26	2.035101 69	9.006598 86	15.08751 65	6.125631 14	32.25484 82	NonEnzyme Reg
0	4.435044 92	21.94770 77	15.35427 92	41.73703 19	0	611.4200 61	3080.246 65	2185.937 39	5877.604 1	0	101.7572 27	501.1127 25	350.1656 21	953.0355 72	0	2.712354 85	13.30806 84	9.295983 23	25.31640 65	NonEnzyme Reg

1.39505299	13.9825397	20.7081075	11.3621091	47.4478093	203.801462	2108.74953	3076.99313	1705.11014	7094.65426	31.8664864	321.504091	474.10343	260.630124	1088.10413	0.89451731	9.11003022	13.3935352	7.38609922	30.784182	NonEnzymeReg
2.21621333	15.3083694	23.1517237	7.91669984	48.5930063	340.235855	2391.62214	3590.46599	1198.84158	7521.16556	51.2880956	354.879381	534.96857	181.867302	1123.00064	1.48980109	10.13222	15.0944294	5.06366371	31.7801142	NonEnzymeReg
4.29536458	17.9901715	20.8445391	4.66016231	47.7902375	667.30259	2769.59854	3127.89898	688.479341	7253.27946	99.337999	415.128961	478.07193	106.611722	1099.15064	2.83090296	11.7704842	13.4831441	3.01151972	31.096051	NonEnzymeReg
0	15.7581176	22.7055695	9.90952943	48.3732165	0	2405.14475	3470.45674	1508.17778	7383.77927	0	363.277538	523.29701	228.394602	1114.96915	0	10.4124162	14.8866103	6.46706377	31.7660903	NonEnzymeReg
1.02378469	14.301943	20.5786019	13.5438148	49.4481444	148.693706	2155.47529	3175.98452	2104.57602	7584.72955	23.4093903	329.484251	476.65478	313.692651	1143.24117	0.65628552	9.23557296	13.3931968	8.75723545	32.0422904	NonEnzymeReg
1.27736543	16.5570758	24.5106018	7.40543924	49.7504823	191.143482	2540.58421	3750.08017	1138.20644	7620.0143	29.4522324	381.597732	564.60935	170.712814	1146.37251	0.82016782	10.6973836	15.9246877	4.84493679	32.2871759	NonEnzymeReg
0.49080714	11.5738348	24.9507885	11.9648093	48.9802398	76.6486868	1751.0005	3772.09311	1780.28979	7380.03208	11.3555424	266.224466	573.63998	273.707171	1124.92668	0.32557969	7.52584211	16.110861	7.55890892	31.5211918	NonEnzymeReg
3.76275801	14.9957004	22.1965379	5.31645744	46.2714537	548.347155	2198.82456	3324.70718	795.969466	6867.84837	86.0506796	343.214182	509.72345	121.920281	1060.90909	2.38484175	9.55638547	14.2246147	3.43662778	29.6024697	NonEnzymeReg
1.48803779	12.9232021	22.6823585	9.94630788	47.0399063	226.320184	2005.4479	3484.93288	1482.30802	7199.00898	34.3037143	298.92786	523.24416	227.911874	1084.38746	0.96373705	8.46891778	14.7587612	6.37323953	30.564656	NonEnzymeReg
2.50961381	15.763592	23.6563137	6.06311841	47.9926379	393.342557	2473.12724	3605.60503	929.113563	7401.18839	58.1291012	365.174857	544.35423	139.700957	1107.35914	1.63432732	10.2967495	15.2364007	3.93842508	31.1059026	NonEnzymeReg
1.27618357	14.1191219	27.7662345	7.69440591	50.8559459	208.118949	2275.93842	4405.77196	1206.56156	8096.39088	29.8285314	329.621797	644.78069	178.3569	1182.58793	0.85069902	9.43154169	18.2629525	5.04008044	33.5852736	NonEnzymeReg
6.05421254	22.28245	10.4341884	6.53189111	45.3027421	870.462338	3196.54787	1526.29533	1094.49512	6687.80066	137.496689	505.823947	238.096384	154.172672	1035.58969	3.88438593	14.192285	6.6498896	4.47541873	29.2019793	NonEnzymeReg
1.13399755	8.26293957	26.6196836	11.5663084	47.5829291	171.058681	1259.36971	4033.08015	1757.09313	7220.60166	26.0056149	190.10277	610.96343	265.938858	1093.01067	0.72559742	5.37694589	17.1172969	7.48384519	30.7036854	NonEnzymeReg
5.65822019	22.9938247	16.0316264	4.23658382	48.9202551	873.433548	3484.20786	2399.1854	627.211138	7384.03795	130.483323	528.456496	367.530365	97.0553494	1123.52553	3.66784456	14.6971308	10.1600793	2.68271255	31.2077673	NonEnzymeReg
4.88010598	23.5856887	16.0767261	6.62653247	51.1690533	741.15864	3569.71459	2389.17893	977.74292	7677.79509	112.291363	542.640038	368.31583	151.150927	1174.39817	3.18437533	15.3772504	10.317071	4.23949481	33.1181916	NonEnzymeReg
11.4380475	12.9163257	13.8398282	10.4622145	48.6564096	1591.24216	1856.82067	2056.72827	1540.57708	7045.36817	258.130225	292.645484	315.302974	237.765986	1103.84467	7.10211481	7.96070089	8.57167079	6.39090199	30.0253885	NonEnzymeReg
2.54175875	13.8152018	22.8296907	9.18195717	48.3686084	382.736151	2049.5948	3385.01824	1376.42288	7193.77207	58.4421895	316.281543	522.11238	210.598602	1107.43472	1.67795438	9.01286809	14.7389796	5.94822569	31.3780277	NonEnzymeReg
2.48203597	12.5573031	23.303387	9.64285628	47.9855824	389.024975	1925.21356	3533.16786	1437.41068	7284.81708	57.4524289	289.701325	536.86237	221.213119	1105.22925	1.61657628	8.23254767	15.2274605	6.22767175	31.3042562	NonEnzymeReg
2.19942991	15.0180633	22.4120625	9.02275464	48.6523104	328.954068	2248.58988	3404.80666	1402.49747	7384.84808	50.3417668	343.928846	514.28158	207.448079	1116.00028	1.43010825	9.67532298	14.3054279	5.67290803	31.0837672	NonEnzymeReg
2.81651953	16.2560905	19.9675989	10.0046976	49.0449065	412.097964	2415.08412	3002.58456	1498.53201	7328.29866	64.3440223	372.583054	458.01319	229.144457	1124.08472	1.80081473	10.450714	12.789951	6.37026539	31.4117451	NonEnzymeReg
1.17056891	10.8387692	20.2203004	15.2162946	47.4459331	172.829566	1668.02422	3188.25205	2405.7251	7434.83093	26.7498355	249.759788	468.31041	352.962307	1097.78234	0.75263301	7.03352897	13.1046439	9.87579123	30.7665971	NonEnzymeReg
0.62936955	22.7721113	19.305631	5.11196032	48.3809198	93.8064749	3334.80295	2858.58862	717.27461	7081.38475	14.4274607	518.615249	440.83779	115.749207	1102.42216	0.41107606	14.5081139	12.2839103	3.21432236	30.7776012	NonEnzymeReg
10.502019	17.4110012	12.7351712	8.08339788	48.7315893	1503.25894	2464.91145	1816.29546	1128.98959	6913.45544	238.418281	394.583424	289.45267	182.854814	1105.30919	6.71336678	11.0585323	8.12290127	5.06426321	30.9590635	NonEnzymeReg
0	14.3701378	22.8252062	12.4705914	49.6659354	0	2228.9596	3485.72626	1877.62053	7592.30639	0	332.822699	526.09046	286.276573	1145.18974	0	9.510124	14.8903956	8.03273897	32.4332585	NonEnzymeReg
4.04573892	20.4169383	21.2063187	3.05425179	48.7232478	630.312864	3153.4668	3201.94609	447.814825	7433.54058	93.7920018	471.85453	486.40429	69.37935796	1121.43012	2.69179397	13.4702277	13.57585	1.86365729	31.601534	NonEnzymeReg
0.69469771	13.7950508	22.9930668	11.5911795	49.0739942	111.375107	2214.90781	3638.0283	1803.64492	7767.95613	16.2187244	321.583255	533.83095	267.614436	1139.24681	0.47166491	9.25734115	15.2111062	7.49820727	32.4383195	NonEnzymeReg
1.59688908	22.4503682	16.7978816	10.137319	50.9822708	241.214883	3374.45792	2516.60572	1507.36329	7639.6418	36.548741	513.656191	384.80315	231.715809	1166.7239	1.01783182	14.2572342	10.8033524	6.49889655	32.577314	NonEnzymeReg
3.12586351	18.3466508	21.7846487	4.6131656	47.8703285	447.469433	2744.17954	3275.88316	692.845541	7160.37767	70.9910777	419.381723	498.80887	105.358589	1094.54026	1.99657985	11.6522777	13.8465259	2.89419453	30.389578	NonEnzymeReg
1.72863044	14.3212009	19.9699987	11.8137494	47.8335794	259.713628	2177.52314	3024.41228	1779.82961	7241.47866	39.6985388	329.728817	459.15989	270.888453	1099.4757	1.11695437	9.27804535	12.9586881	7.61377827	30.967466	NonEnzymeReg
0.60887598	10.4325388	25.1610587	13.3127171	49.5151907	88.0424289	1574.86906	3857.85633	2086.84508	7607.6129	13.8940596	240.299823	579.97914	308.069503	1142.2432	0.39552074	6.82403555	16.2222762	8.58661027	32.0284427	NonEnzymeReg
1.14372074	7.06868131	18.1839142	21.187648	47.5839643	178.262342	1131.28265	2875.0339	3344.32345	7528.90234	26.4271564	164.456827	422.50874	491.601522	1104.99358	0.75363856	4.69955088	12.0477825	13.8824996	31.3834715	NonEnzymeReg

1.217590 8	13.65845 92	29.45404 91	2.933862 78	47.26396 19	188.1207 66	2080.115 9	4436.820 79	420.4297 14	7125.487 17	28.18316 02	314.5010 11	676.2607 53	66.55510 82	1085.500 03	0.800015 16	8.925670 48	19.09127 81	1.818820 24	30.63578 4	NonEnzyme Reg
3.314607 78	13.58111 73	27.07416 43	2.434094 77	46.40398 41	513.6503 51	2102.186 84	4144.940 58	379.6276 59	7140.405 42	76.67166 7	313.8466 65	624.1702 63	56.15810 81	1070.846 7	2.207150 55	8.870575 21	17.42680 42	1.535434 2	30.03996 42	NonEnzyme Reg
2.259461 4	13.99201 61	23.91942 76	7.815579 61	47.98648 46	341.2438 6	2089.911 49	3569.764 33	1168.331 15	7169.250 82	52.06767 7	321.1233 12	548.3267 82	179.3006 9	1100.818 46	1.482428 63	9.107716 94	15.51157 66	5.045853 84	31.14757 6	NonEnzyme Reg
2.222019 47	16.66623 01	23.27118 43	7.411323 7	49.57075 76	309.7707 89	2342.427 46	3327.758 88	1102.387 36	7082.344 49	50.58702 01	378.5431 14	529.0968 93	169.6414 9	1127.868 52	1.435595 21	10.58932 7	14.75837 7	4.743652 86	31.52695 2	NonEnzyme Reg
0.694882 17	8.020382 23	21.28376 24	18.07882 46	48.07785 14	100.9672 43	1213.794 17	3204.050 78	2696.423 33	7215.235 53	15.81082 3	184.2426 56	488.0408 81	413.1144 1	1101.208 77	0.448959 42	5.243338 01	13.69457 09	11.41792 09	30.80478 92	NonEnzyme Reg
4.272706 46	27.69667 64	13.96914 43	4.765673 83	50.70420 1	679.2980 55	4306.312 62	2150.621 8	804.9318 42	7941.164 31	99.54043 35	642.6411 4	322.7542 99	112.3079 38	1177.243 81	2.892321 92	18.54403 25	9.132927 93	3.189194 55	33.75847 69	NonEnzyme Reg
3.774519 1	26.84453 48	13.44312 72	4.603020 18	48.66520 13	550.3010 14	3957.218 13	2028.950 81	758.4515 07	7294.921 47	86.27276 8	613.2925 26	308.9872 27	107.7604 2	1116.312 94	2.486892 95	17.21906 57	8.741433 04	3.078941 4	31.52633 31	NonEnzyme Reg
1.723636 22	12.36276 75	24.97997 79	9.708663 08	48.77504 47	263.9057 74	1917.197 51	3821.464 1	1469.067 67	7471.635 06	39.76502 3	286.3925 9	575.2001 78	222.8850 16	1124.242 81	1.126570 01	8.197630 15	16.15708 85	6.203153 24	31.68444 19	NonEnzyme Reg
3.768714 29	18.01245 31	19.39323 75	5.282363 04	46.45676 79	558.5935 13	2732.457 46	2931.569 37	847.3248 21	7069.945 17	86.51334 93	415.2410 87	446.5281 77	123.0612 7	1071.343 88	2.438289 75	11.76176 08	12.61116 27	3.470233 27	30.28144 65	NonEnzyme Reg
1.611093 12	10.10142 11	24.37023 8	11.40485 36	47.48760 58	258.3500 5	1598.757 57	3735.600 16	1675.419 35	7268.127 13	37.53893 43	234.6056 7	561.4095 1	260.4220 47	1093.976 16	1.079096 74	6.694223 54	15.80989 76	7.262748 29	30.84596 62	NonEnzyme Reg
2.076827 86	14.54105 25	24.95959 17	4.734170 27	46.31164 22	308.1916 52	2155.037 29	3636.550 84	700.2021 89	6799.981 97	47.68832 22	333.0745 66	568.8503 25	108.1719 79	1057.785 19	1.320091 25	9.363188 96	15.89549 41	2.979704 57	29.55847 89	NonEnzyme Reg
1.795462 66	6.394069 06	24.67725 17	16.12607 09	48.99285 43	279.3818 51	981.4408 69	3692.686 27	2391.693 52	7345.202 51	41.64028 14	147.8178 01	566.9291 01	369.2944 64	1125.681 65	1.211941 56	4.278817 71	16.12395 09	10.37690 89	31.99161 91	NonEnzyme Reg
4.940999 03	20.88572 63	16.75297 21	4.099584 74	46.67928 21	729.2400 27	3122.135 82	2450.641 06	595.7081 08	6897.725 02	113.1324 7	479.5767 64	382.7574 03	93.70414 81	1069.170 79	3.180869 99	13.51623 68	10.75547 11	2.645235 18	30.09781 3	NonEnzyme Reg
2.045512 96	17.18434 68	22.41896 34	8.358573 78	50.00739 7	322.8709 53	2675.696	3392.125 94	1231.581 14	7622.274 04	47.56407 09	398.1085 89	515.8341 01	191.0746 64	1152.581 43	1.362406 76	11.34119 02	14.60390 97	5.341123 64	32.64863 02	NonEnzyme Reg
2.290328 58	17.12271 02	20.40352 48	8.348616 73	48.16518 03	360.7298 92	2629.576 88	3114.633 85	1255.588 88	7360.529 5	53.35819 1	396.1144 2	471.6465 41	192.0491 51	1113.168 3	1.515959 81	11.21213 77	13.24393 34	5.313413 75	31.28544 46	NonEnzyme Reg
1.030355 72	17.99682 32	16.84487 97	8.586638 89	44.45869 75	153.2649 81	2650.589 6	2458.628 48	1243.702 96	6506.186 01	23.57974 55	411.4355 99	384.5439 45	195.3313 86	1014.890 68	0.669083 08	11.56321 95	10.68395 39	5.376021 45	28.29227 79	NonEnzyme Reg
1.903042 04	10.91405 67	22.21748 22	13.11738 02	48.15196 11	296.6249 85	1707.720 84	3463.280 89	2014.867 1	7482.493 81	44.04207 21	253.2379 34	514.4452 08	302.5269 12	1114.252 13	1.252670 2	7.263804 84	14.63113 46	8.514567 38	31.66217 7	NonEnzyme Reg
2.476593	17.73384 34	22.55757 08	6.104528 23	48.87253 55	406.8420 56	2813.297 49	3477.826 2	930.6029 91	7628.568 74	58.0423	412.1810 52	520.3632 21	140.4719 54	1131.058 53	1.662026 49	11.72421 11	14.64578 72	3.920451 21	31.95247 6	NonEnzyme Reg
6.508671 55	30.16454 76	10.43088 83	2.280133 43	49.38424 09	987.2153 5	4625.922 76	1585.830 23	353.9999 83	7552.968 32	149.9859 72	696.8189 21	240.2845 92	52.81705 19	1139.906 54	4.288240 43	19.82858 29	6.774455 27	1.482596 46	32.37387 51	NonEnzyme Reg
1.455313 49	8.030082 07	23.41991 53	14.18186 31	47.22706 03	218.0774 49	1237.740 76	3689.197 52	2204.376 44	7369.840 42	33.46955 89	185.7087 88	542.4841 42	326.9774 32	1091.819 37	0.972080 02	5.336778 46	15.25078 74	9.065457 33	30.71127	NonEnzyme Reg
6.879609 61	17.51402 21	15.66684 64	7.894914 78	47.95539 29	1042.008 69	2615.478 39	2504.900 59	1258.256 21	7420.643 88	158.5959 05	402.4278 94	365.0732 3	183.3086 62	1109.405 69	4.479433 18	11.24744 74	10.34535 22	5.155953 64	31.22818 64	NonEnzyme Reg
3.336724 18	19.33222 21	21.65925 31	5.267492 76	49.59569 21	499.5346 01	2913.539 73	3260.940 95	784.3877 73	7458.403 05	76.46321 68	443.5428 11	496.2083 77	120.3982 92	1136.612 7	2.176471 26	12.51977 87	13.83152 24	3.349292 77	31.87706 52	NonEnzyme Reg
0.578006 67	14.21792 19	21.44262 73	11.12228 37	47.36083 97	89.17649 66	2246.530 58	3358.537 19	1736.378 4	7430.622 67	13.27024 94	329.5081 34	496.2056 31	257.0353 55	1096.019 37	0.365534 19	9.264261 67	13.93075 93	7.127048 78	30.68760 39	NonEnzyme Reg
1.514728 43	7.638699 35	17.76935 14	16.87856 1	45.59538 5	222.2331 41	1097.443 57	2653.018 45	2624.876 77	6870.266 64	35.17609 12	175.7995 75	410.6371 32	391.7801 84	1054.714 49	0.970476 12	4.819154 24	11.28795 04	10.89286 1	29.10484 55	NonEnzyme Reg
1.617477 3	11.03860 95	23.83742 17	12.27544 82	48.76895 67	260.1878 56	1759.149 17	3660.215 93	1869.533 3	7549.086 26	37.78451 66	256.9354 9	549.2225 42	281.8361 48	1125.778 7	1.095254 25	7.329040 29	15.44936 12	7.767509 55	31.64116 53	NonEnzyme Reg
0.731999 8	22.91378 82	22.78604 85	4.227224 58	50.65906 1	111.7551 31	3588.636 26	3610.362 83	696.8892 43	8007.643 47	16.77675 63	528.8020 75	527.6460 53	98.95813 09	1172.183 02	0.465742 7	14.82618 24	14.75657 8	2.785398 32	32.83390 14	NonEnzyme Reg
1.771604 82	11.88956 01	25.68365 93	8.881917 07	48.22674 13	269.1451 01	1806.052 36	3856.703 24	1358.945 56	7290.846 25	40.74528 42	273.5994 2	589.2412 18	204.6102 16	1108.196 14	1.158172 25	7.802689 22	16.63709 59	5.753396 4	31.35135 38	NonEnzyme Reg
0	20.06829 96	19.94930 41	6.657327 71	46.67493 14	0	2866.311	2870.879 28	979.7611 15	6716.951 39	0	458.8181 88	457.0360 1	153.4372 41	1069.291 44	0	12.83506 89	12.73536 89	4.267971 91	29.83840 97	NonEnzyme Reg
3.242195 87	24.45684 62	12.07711 19	8.136955 58	47.91310 95	465.0113 63	3619.134 37	1783.345 01	1177.788 24	7045.278 99	74.40497 27	562.1091 03	276.5682 38	185.0477 26	1098.130 04	2.105547 56	15.89292 76	7.784928 17	5.124926 1	30.90832 94	NonEnzyme Reg
6.815945 75	25.48997 28	12.23030 69	3.607648 69	48.14387 41	1019.702 88	3721.810 93	1721.734 97	503.9383 55	6967.187 13	155.9159 71	580.3913 53	276.7112 35	81.84732 63	1094.865 89	4.339066 92	16.12615 73	7.647127 07	2.248970 84	30.36132 22	NonEnzyme Reg
4.560022 55	26.32847 74	16.01570 75	2.015620 83	48.91982 82	713.621	4098.814 24	2492.220 99	297.8473 43	7602.503 57	105.9033 29	609.7131 98	370.8601 31	45.96156 85	1132.438 23	3.067079 64	17.35866 83	10.49518 1	1.243425 28	32.16435 42	NonEnzyme Reg

2.870595 44	13.44240 98	23.48790 72	10.18447 81	50.25788 92	453.9187 52	2113.981 06	3611.868 85	1547.780 28	7768.922 29	66.79071 9	312.2732 28	542.3046 19	234.1640 13	1161.805 96	1.946323 6	9.022473 76	15.49546 82	6.596534 72	33.23649 35	NonEnzyme Reg
1.106740 22	12.31167 84	25.69606 57	8.636807 25	47.75129 15	171.1022 35	1880.796 4	3909.232 15	1325.800 84	7286.931 63	25.71874 2	284.0960 23	591.4170 29	198.6103 52	1099.842 15	0.737252 2	8.039276 41	16.57129 31	5.531719 43	30.87954 11	NonEnzyme Reg
2.352918 37	10.62840 53	30.38924 69	5.258736 7	48.62930 73	389.2660 32	1685.805 88	4672.784 57	811.3967 34	7559.253 22	55.20895 03	246.8391 85	700.6470 2	121.4362 4	1124.131 4	1.596753 14	7.043449 36	19.82384 34	3.420622 29	31.88466 81	NonEnzyme Reg
11.90556 01	12.07259 83	14.23568 29	12.05623 14	52.05837 99	1842.875 87	1840.195 85	2169.374 27	1797.014 12	7921.960 71	274.3892 44	276.4973 43	325.5209 57	274.6743 4	1191.950 23	7.553795 6	7.569407 24	8.961321 54	7.615521 63	32.82360 61	NonEnzyme Reg
2.078205 9	13.91840 61	24.65908 81	7.152151 04	47.80785 11	322.0110 27	2164.954 28	3665.158 2	1034.701 27	7186.824 78	48.15323 26	322.3785 35	564.3622 66	162.5463 29	1097.440 36	1.394347 96	9.235707 98	15.80243 5	4.454065 87	30.88655 68	NonEnzyme Reg
1.987248 82	10.61517 07	26.14845 04	9.100852 41	47.85172 23	306.4160 06	1637.337 89	3971.293 32	1394.443 15	7309.490 37	45.76044 18	244.7559 67	601.1973 94	209.6763 6	1101.390 16	1.297232 18	6.938570 87	16.91887 67	5.914021 44	31.06870 12	NonEnzyme Reg
1.032531 93	12.04063 51	21.01761 08	15.70983 72	49.80061 5	153.2194 91	1845.345 67	3161.544 7	2342.580 38	7502.690 23	23.62688 19	277.4735 29	482.2614 17	360.3848 32	1143.746 66	0.676245 03	7.911837 52	13.58889 99	10.13260 74	32.30958 99	NonEnzyme Reg
0.596680 02	19.11574 73	23.12869 44	3.748548 62	46.58967 03	83.93242 85	2783.097 91	3342.028 05	546.8631 08	6755.921 49	13.52264 64	436.1286 9	526.1370 3	85.95891 84	1061.747 28	0.382183 9	12.29746 29	14.61911 54	2.367365 26	29.66612 75	NonEnzyme Reg
3.119395 72	20.93492 35	17.71314 94	5.526762 73	47.29423 13	478.9913 79	3199.514 47	2666.932 63	849.1901 21	7194.628 6	71.79607 72	481.9749 93	406.1984 75	127.5190 36	1087.488 58	2.007011 86	13.55413 48	11.38487 76	3.613889 91	30.55991 42	NonEnzyme Reg
4.493787 75	20.36270 88	19.24218 67	6.365902 59	50.46458 58	730.0527 96	3170.696 14	2954.398 52	976.7547 12	7831.902 17	105.2493 18	470.8563 5	444.0759 45	146.9832 97	1167.164 91	3.076818 73	13.40177 57	12.69473 38	4.197605 7	33.37093 39	NonEnzyme Reg
1.282428 78	9.916379 55	26.76370 75	10.30108 29	48.26359 88	207.5868 11	1586.694 5	4137.301 51	1578.321 54	7509.904 36	29.93306 66	230.8301 3	618.2442 55	237.4262 21	1116.433 67	0.847706 29	6.558159 52	17.44930 76	6.645420 41	31.50059 38	NonEnzyme Reg
2.654923 83	17.99696 28	20.84629 94	9.045758 05	50.54394 41	416.4764 19	2808.460 81	3258.697 13	1400.379 51	7884.013 87	61.39115 5	416.0909 9	481.3784 46	208.3006 67	1167.161 26	1.725039 61	11.79558 94	13.41641 65	5.690202 46	32.62724 79	NonEnzyme Reg
2.681875 7	14.85166 38	22.33225 72	10.14424 12	50.01003 78	421.0580 16	2293.431 18	3428.143 79	1562.534 72	7705.167 7	62.24092 32	342.9467 24	514.1916 72	233.1217 69	1152.501 09	1.794112 81	9.757562 57	14.41519 3	6.443222	32.41009 04	NonEnzyme Reg
1.675031 8	14.90093 96	24.49544 49	6.829078	47.90049 43	255.9488 01	2244.415 6	3675.889 47	1028.366 63	7204.620 5	38.69172 55	342.6914 17	561.8837 66	156.8468 2	1100.113 73	1.111625 76	9.764575 75	15.74989 75	4.387501 85	31.01360 08	NonEnzyme Reg
1.585677 5	13.40137 57	24.65815 89	8.282966 1	47.92817 82	253.9495 21	2120.538 73	3832.715 91	1282.515	7489.719 17	36.98029 66	311.3282 82	569.4501 63	191.3903 78	1109.149 12	1.044308 01	8.816803 57	15.94654 21	5.381028 5	31.18868 22	NonEnzyme Reg
1.728116 74	18.76471	22.10376 93	4.512706 16	47.10930 23	246.9940 59	2774.299 11	3347.792 43	693.6092 98	7062.694 89	39.37450 51	430.1220 05	508.6112 05	103.8905 69	1081.998 28	1.123104 44	12.19411 01	14.34705 05	2.889982 91	30.55424 79	NonEnzyme Reg
8.018756 19	11.99994 46	8.745818 7	11.58155 85	40.34607 8	1164.934 91	1779.981 35	1304.797 88	1727.152 15	5976.866 29	182.7726 53	275.3497 65	201.0317 77	266.1748 29	925.3290 24	5.154049 86	7.725162 74	5.607443 2	7.413614 33	25.90027 01	NonEnzyme Reg
2.489849 89	20.33600 3	19.41101 4	5.721627 91	47.95849 48	380.8280 88	3044.380 8	2899.673 68	874.5341 79	7199.416 75	57.47922 95	466.8121 43	445.4434 37	132.0859 68	1101.820 78	1.634929 17	13.10611 7	12.52657 42	3.743103 16	31.01072 35	NonEnzyme Reg
1.035935 03	19.84081 35	22.04125 72	6.266525 44	49.18453 11	167.5010 48	3158.381 81	3481.715 2	969.5035 88	7777.101 65	24.19264 85	461.2550 91	510.9850 2	144.6232 58	1141.056 02	0.695029 03	13.09056 65	14.29858 14	4.034222 89	32.11839 98	NonEnzyme Reg
3.405572 33	17.78195 69	25.15887 34	2.622058 96	48.96846 16	540.1294 15	2735.635 38	3866.082 41	427.6960 57	7569.543 25	79.17245 38	410.9170 8	580.6326 88	61.17244 78	1131.894 67	2.272177 44	11.66388 94	16.34649 81	1.697902 66	31.98046 76	NonEnzyme Reg
1.748109 81	15.91436 61	24.54439 4	5.445665 76	47.65253 57	269.4919 56	2446.448 55	3814.401 2	830.9527 8	7361.294 49	40.29753 14	367.0979 28	567.6796 1	125.3274 03	1100.402 47	1.130152 51	10.30535 02	15.91415 91	3.436179 95	30.78584 17	NonEnzyme Reg
2.072900 92	12.78136 22	22.40955 8	8.986958 27	46.25077 94	299.1210 32	1845.751 58	3278.391 04	1360.335 31	6783.598 96	47.30077 86	290.8413 96	510.1775 19	205.8415 25	1054.161 22	1.341143 41	8.120048 44	14.09453 01	5.659439 96	29.21516 19	NonEnzyme Reg
1.887364 49	12.27983 2	25.07174 5	11.48436 31	50.72330 45	298.6251 59	1913.803 36	3876.470 37	1737.255 9	7826.154 78	43.79485 05	284.1080 79	578.5197 84	263.4330 63	1169.855 78	1.236208 94	8.082493 51	16.37224 91	7.349040 41	33.03999 2	NonEnzyme Reg
2.169711 38	14.92777 73	21.84077 93	9.403666 85	48.34193 48	333.1807 16	2271.210 68	3287.286 69	1363.791 15	7255.469 23	50.15232 76	344.0295 84	501.7114 64	214.1251 33	1110.018 51	1.413710 16	9.685362 02	14.15802 97	5.987062 98	31.24416 49	NonEnzyme Reg
1.823841 02	25.64194 96	18.56440 73	1.442128 53	47.47232 65	292.0639 49	3939.759 58	2815.791 6	203.5930 81	7251.208 21	42.50563 87	591.9621 55	427.1330 19	32.65695 49	1094.257 77	1.223594 89	16.87147 66	12.03669 05	0.918481 65	31.05024 36	NonEnzyme Reg
1.262134 79	12.26121 47	25.93760 19	8.995654 34	48.45660 58	184.6040 65	1846.627 48	3942.785 27	1334.097 51	7308.114 33	28.87256 47	282.0765 86	597.1111 49	205.8111 71	1113.871 47	0.814827 36	8.062615 87	16.93970 56	5.709756 01	31.52690 48	NonEnzyme Reg
0	6.178227 27	29.37788 65	10.94837 68	46.50449 06	0	948.3851 68	4375.345 04	1575.367 96	6899.098 17	0	142.4106 16	674.1504 43	249.2099 98	1065.771 06	0	4.032651 5	19.03466 95	6.990334 35	30.05765 54	NonEnzyme Reg
0	15.46692 06	15.99270 36	15.84737 15	47.30699 57	0	2493.910 43	2634.848 36	2530.867 81	7659.626 6	0	358.9677 63	374.9339 83	367.9273 03	1101.829 05	0	10.00248 16	10.74477 84	10.32294 57	31.07020 57	NonEnzyme Reg
0.980265 27	11.12225 28	24.61681 68	12.47874 59	49.68070 26	143.1908 97	1654.873 48	3736.068 52	1841.452 93	7447.379 11	22.38794 92	254.7711 23	566.2549 2	285.0227 44	1139.472 63	0.642885 54	7.227046 04	15.97543 48	7.957163 32	32.10655 63	NonEnzyme Reg
2.023941 07	8.767846 03	22.60325 65	14.66397 47	48.05901 84	315.9070 33	1346.869 93	3475.262 02	2260.014 75	7398.053 73	47.00841 21	202.6565 85	521.4849 13	337.8332 68	1108.983 18	1.363774 92	5.794738 5	14.67113 08	9.402265 88	31.23191 01	NonEnzyme Reg
0	15.75811 76	22.70556 95	9.909529 43	48.37321 65	0	2405.144 75	3470.456 74	1508.177 78	7383.779 27	0	363.2775 38	523.2970 11	228.3946 02	1114.969 15	0	10.41241 62	14.88661 03	6.467063 77	31.76609 03	NonEnzyme Reg

2.01286283	17.2924269	20.6972712	9.55781238	49.5603733	303.858131	2648.61513	3131.9302	1472.26906	7556.67253	46.3045543	399.22287	475.562471	219.946207	1141.0361	1.31102649	11.3060696	13.3345917	6.11469831	32.0663861	NonEnzymeReg
2.81651953	16.2560905	19.9675989	10.0046976	49.0449065	412.097964	2415.08412	3002.58456	1498.53201	7328.29866	64.3440223	372.58305	458.01319	229.144457	1124.08472	1.80081473	10.450714	12.789951	6.37026539	31.4117451	NonEnzymeReg
3.58517719	18.2080012	20.4817209	4.93060626	47.2055055	548.596639	2858.93579	3185.31932	712.926848	7305.77859	82.6645102	423.49556	474.686653	112.414435	1093.26116	2.31400444	12.0672809	13.4322724	3.13521317	30.9487709	NonEnzymeReg
1.41084905	10.5452146	23.8286843	12.1093199	47.8940679	217.371971	1613.73537	3590.46175	1800.30548	7221.87457	32.7019697	243.20209	546.955731	277.117225	1099.97694	0.93809081	6.9207949	15.3764261	7.75001865	30.9853304	NonEnzymeReg
12.0210574	12.2680801	14.7300073	14.3270822	53.3462269	1793.52328	1861.69946	2222.11285	2169.3844	8046.72	274.237505	281.29333	337.019897	327.66609	1220.21688	7.44782391	7.7394914	9.2825206	8.96061471	33.4304548	NonEnzymeReg
1.66909058	15.2029257	23.8579789	8.5598584	49.289854	252.009486	2283.38163	3670.89516	1285.54897	7491.83525	38.5429323	349.80887	550.770976	196.488337	1135.61083	1.10678876	9.9655277	15.5790677	5.51187269	32.1632569	NonEnzymeReg
0.44192161	11.2101175	27.1700529	10.5020276	49.3241195	76.3524088	1729.95328	4058.92937	1502.6825	7367.91755	10.5528132	260.02935	624.478174	239.411219	1134.47144	0.31401748	7.4017737	17.5348308	6.65464552	31.9052508	NonEnzymeReg
7.68023922	31.1192945	7.2116708	2.3864736	48.3976381	1160.31527	4741.42132	1129.4192	400.56053	7431.71615	175.93124	714.66324	167.181524	56.251741	1114.0278	4.89219745	19.911806	4.77419401	1.6307147	31.2089121	NonEnzymeReg
0.69771553	13.1519279	18.2977039	16.0362851	48.1836324	108.807367	2055.8603	2819.09046	2464.83293	7448.59106	16.1168523	304.82471	422.986115	369.514807	1113.44205	0.44711796	8.5889606	11.705646	10.021115	30.7628347	NonEnzymeReg
0.66577573	15.6802518	22.3433063	11.4725193	50.161853	106.423517	2474.24938	3560.23889	1889.61491	8030.52669	15.4413556	362.74773	518.005323	267.978301	1164.17245	0.43926022	10.140468	14.432178	7.54002697	32.5519122	NonEnzymeReg
0.46815883	10.1278772	22.3382113	13.7010572	46.6353046	67.8273617	1493.28829	3287.64423	2005.7207	6854.48058	10.697233	232.12540	511.198117	313.240367	1067.26112	0.30204355	6.5829608	14.355071	8.71433815	29.9544139	NonEnzymeReg
3.2712866	17.4344569	24.0665826	3.9833738	48.7556999	482.68292	2613.76117	3623.75106	592.132116	7312.32726	74.9012401	400.03614	552.513792	90.941868	1118.39305	2.11841677	11.337082	15.536472	2.47087004	31.4628409	NonEnzymeReg
1.37917218	10.8072732	19.760827	17.3093837	49.2566561	212.305339	1672.83538	3024.89881	2656.38844	7566.42797	31.9364638	249.60568	454.426484	397.901627	1133.87026	0.91390237	7.0520217	12.713547	11.01588797	31.6953586	NonEnzymeReg
1.43980084	18.1265648	16.8506107	12.1972002	48.6141765	223.675808	2868.04138	2679.52133	1919.47595	7690.71446	33.2775875	420.53846	390.152368	281.238009	1125.20642	0.96621861	12.067395	10.886377	7.77574884	31.6957504	NonEnzymeReg
1.44815652	11.222294	26.5224756	8.7546767	47.9476029	219.821708	1744.80644	4133.02086	1360.09462	7457.74362	33.3533381	259.48213	612.789677	202.026444	1107.65158	0.96404188	7.4032624	17.374226	5.71005007	31.4515812	NonEnzymeReg
5.40863902	21.685233	15.0642311	4.0299853	46.3432976	819.111669	3306.2724	2255.97438	589.695073	6994.35405	124.610063	500.04424	346.438831	91.9357154	1066.59306	3.56467387	14.265528	9.8135386	2.54928292	30.2951673	NonEnzymeReg
1.96885897	15.4189659	24.6850896	5.5917990	47.6647135	305.063395	2421.82942	3907.39086	849.295708	7483.57938	45.5798879	356.41470	570.751892	128.11415	1100.86063	1.30693926	10.001721	15.873042	3.54216623	30.7238718	NonEnzymeReg
0.65941981	13.7126386	24.9128623	11.6149734	50.8998941	107.528882	2229.92051	4078.01904	1873.3526	8288.82103	15.3920544	319.81857	581.487456	270.173262	1186.87135	0.43439055	9.0438114	16.381296	7.58488446	33.4443825	NonEnzymeReg
3.24896021	26.7509827	17.8782195	1.3608262	49.2389886	491.978866	4016.86456	2678.38952	219.011534	7406.24448	74.6856556	614.03782	409.562194	31.465596	1129.75127	2.12526048	17.345533	11.503383	0.86681371	31.8409906	NonEnzymeReg
2.44273951	15.9800645	20.324264	8.1684813	46.9155492	364.844911	2449.12938	3107.94892	1254.22073	7176.14394	56.0042851	368.08871	468.095491	188.395207	1080.5837	1.60854294	10.436528	13.173929	5.30582275	30.5248232	NonEnzymeReg
5.91546125	19.7450891	14.6357136	9.0312419	49.3275058	931.066711	3059.2232	2202.1905	1342.01779	7534.4982	137.18748	455.46228	336.087868	206.836556	1135.57419	3.91373371	12.843114	9.5217359	5.84727232	32.1258568	NonEnzymeReg
1.03593503	19.8408135	22.0412572	6.2665254	49.1845311	167.501048	3158.38181	3481.7152	969.503588	7777.10165	24.1926485	461.25509	510.98502	144.623258	1141.05602	0.69502903	13.090566	14.298581	4.03422289	32.1183998	NonEnzymeReg
2.3757324	14.6899361	21.9658009	6.7022439	45.7337133	344.259542	2238.02615	3330.71455	1001.41635	6914.41659	54.0359111	337.84741	504.264702	153.197652	1049.34568	1.51220613	9.5546192	14.119904	4.23541332	29.422143	NonEnzymeReg
5.29611958	24.8372146	16.738766	2.695002	49.5671022	822.843563	3852.81173	2590.75349	403.08021	7669.48899	122.828184	574.11431	386.601769	61.377877	1144.92214	3.46460893	16.139691	10.903297	1.66043907	32.1680365	NonEnzymeReg
0	13.4156307	26.0139137	10.880957	50.3105022	0	2138.19681	4083.82456	1665.60798	7887.62934	0	311.94354	601.387898	250.678105	1164.00954	0	8.8306436	16.783863	6.94064015	32.5551474	NonEnzymeReg
1.57379997	12.2378208	23.5328163	7.9147106	45.2591478	244.282384	1868.51802	3567.55261	1179.29203	6859.64504	36.6010146	282.93908	541.555752	181.641407	1042.73726	1.05289844	8.0189325	15.138212	5.02455799	29.2346018	NonEnzymeReg
1.34583716	10.8552214	26.1503614	9.6775156	48.0289352	197.48466	1640.02894	3939.93188	1419.68955	7197.13504	30.8706606	249.48291	600.469748	221.074024	1101.89735	0.86854698	7.0353761	16.868725	6.20379913	30.9764952	NonEnzymeReg
1.53196557	15.2704263	23.9641771	7.5453511	48.31192	236.298283	2324.89453	3589.88978	1111.53861	7262.6212	35.3503311	352.05013	550.896954	172.575039	1110.87246	0.99145309	9.9582597	15.651401	4.85409657	31.455211	NonEnzymeReg
2.81651953	16.2560905	19.9675989	10.0046976	49.0449065	412.097964	2415.08412	3002.58456	1498.53201	7328.29866	64.3440223	372.58305	458.01319	229.144457	1124.08472	1.80081473	10.450714	12.789951	6.37026539	31.4117451	NonEnzymeReg
2.10261003	12.170371	24.4302939	7.4578097	46.1610846	321.205534	1842.65279	3665.02232	1086.10232	6914.98296	48.4527077	279.79360	559.554027	169.894868	1057.69521	1.38765855	7.9430191	15.576378	4.70547769	29.6125333	NonEnzymeReg
3.08340404	28.9629452	12.5482274	3.3796463	47.97423	458.404462	4435.29073	1976.65746	560.040401	7430.39306	70.6427871	667.57835	290.391336	79.259989	1107.87247	2.02393312	18.851028	8.0489573	2.22616886	31.1500877	NonEnzymeReg

2.791439 02	18.43506 21	23.03256 8	4.158066 65	48.41713 57	416.3941 45	2801.098 18	3479.769 84	612.0437 34	7309.305 9	63.97249 21	423.2543 21	527.8519 03	94.85315 02	1109.931 87	1.824290 91	11.88658 43	14.69213 03	2.658523 18	31.06152 87	NonEnzyme Reg
2.658423 1	13.61658 48	20.65060 83	10.42674 84	47.71960 23	421.8422 89	2097.69	3114.990 57	1593.541 24	7298.625 67	61.94361 98	314.3605 98	473.5837 04	239.7302 82	1098.499 34	1.806622 42	9.002956 85	13.33467 32	6.685059 95	31.06641 31	NonEnzyme Reg
1.703021 03	13.76157 77	23.17478 7	10.44688 76	49.08627 34	274.0908 19	2126.588 7	3543.570 86	1567.128 95	7511.379 32	39.76757 71	318.1579 37	533.8496 67	239.6274 18	1131.402 6	1.140917 03	9.084779 76	15.11177 8	6.729490 53	32.06696 53	NonEnzyme Reg
1.827518 56	7.282839 89	28.95411 68	9.538170 38	47.60264 57	274.1009 66	1079.041 59	4260.461 16	1435.750 06	7049.353 77	42.04722 9	167.0031 37	662.0808 74	219.0827 37	1090.213 98	1.221922 4	4.773604 08	18.68532 46	6.142530 08	30.82338 12	NonEnzyme Reg
1.686319 95	12.93136 08	26.79526 87	6.878347 14	48.29129 66	271.8547 89	2012.638 33	4121.157 9	1054.625 09	7460.276 11	39.36312 23	298.5886 41	617.7465 78	158.7047 46	1114.403 09	1.121966 68	8.339285 9	17.27649 43	4.405084 68	31.14283 15	NonEnzyme Reg
0.665775 73	15.68025 18	22.34330 63	11.47251 93	50.16185 3	106.4235 17	2474.249 38	3560.238 89	1889.614 91	8030.526 69	15.44135 56	362.7474 73	518.0053 23	267.9783 01	1164.172 45	0.439260 22	10.14044 68	14.43217 82	7.540026 97	32.55191 22	NonEnzyme Reg
19.80859 44	22.19441 11	4.631709 11	1.063767 9	47.81651 77	3023.843 17	3388.920 18	678.2989 41	152.4912 04	7260.258 94	457.3769 17	510.9440 04	105.2967 34	24.29777 63	1100.591 43	12.99742 44	14.28862 94	2.880106 31	0.667793 45	30.90564 28	NonEnzyme Reg
0.727184 29	11.46487 71	27.06613 75	9.583410 5	49.21390 11	116.6283 62	1767.441 76	4123.331 27	1461.042 79	7528.575 2	16.96301 88	264.6547 08	622.6385 12	220.1864 89	1133.053 01	0.491171 33	7.530572 44	17.56317 28	6.135366 34	31.94962 96	NonEnzyme Reg
7.789175 16	30.17937 82	6.656348 39	2.922067 57	47.54696 94	1243.145 97	4693.825 02	1034.049 17	405.6343 98	7376.654 56	181.3369 83	697.8698 16	153.5755 99	66.01069 07	1098.793 09	5.180988 09	19.66719 41	4.241813 96	1.838123 93	30.92812 01	NonEnzyme Reg
7.392980 66	14.52061 65	18.27566 27	10.87909 16	51.06835 15	1037.918 04	2050.648 36	2611.810 89	1555.917 33	7256.294 63	167.7996 07	330.2352 9	415.5989 89	247.2166 9	1160.850 58	4.745471 32	9.173673 1	11.46742 29	6.900198 59	32.28676 59	NonEnzyme Reg
1.896061 39	9.236263 87	22.96753 07	10.77446 68	44.87432 27	289.3153 38	1416.298 54	3465.881 99	1585.534 47	6757.030 33	43.94736 26	213.3906 56	528.0830 08	245.7177 16	1031.138 74	1.211349 35	5.940839 84	14.52251 33	6.670729 54	28.34543 2	NonEnzyme Reg
1.562330 82	8.705017 73	21.52853 56	15.15142 5	46.94730 91	245.7164 66	1345.334 94	3296.531 43	2367.261 18	7254.844 01	36.42086 02	202.5739 21	498.1815 62	351.0315 5	1088.207 89	1.050337 01	5.750602 5	13.99038 61	9.740233 19	30.53155 88	NonEnzyme Reg
1.375495 18	9.618973 59	21.47407 31	17.49933 78	49.96787 97	211.6198 37	1499.186 46	3296.248 73	2647.727 89	7654.782 91	31.79375 08	222.7442 29	495.6501 75	402.5442 98	1152.732 45	0.912376 21	6.385011 32	14.12213 71	11.38784 62	32.80737 08	NonEnzyme Reg
0.917012 84	16.46655 28	23.85999 88	7.475012 75	48.71857 72	141.6594 72	2606.158 48	3692.372 78	1145.761 78	7585.952 51	21.22688 27	383.0174 37	551.7301 5	172.4441 19	1128.418 59	0.618152 82	11.00125 03	15.55934 11	4.810807 6	31.98955 18	NonEnzyme Reg
1.526716 11	13.51208 99	31.28930 12	2.995037 13	49.32314 44	235.6175 14	2072.488 18	4916.336 91	466.6407 56	7691.083 36	35.32127 57	312.2600 54	725.1508 74	69.09716 64	1141.829 37	1.009503 38	8.934233 59	20.57779 76	1.921173 73	32.44270 83	NonEnzyme Reg
2.286229 91	14.48231 31	26.97664 47	4.828854 81	48.57404 25	352.0341 29	2261.649 26	4201.332 06	749.5108 1	7564.526 25	52.83018 8	335.5265 79	623.5866 33	111.4020 07	1123.345 41	1.513449 92	9.619587 74	17.62822 64	3.106134 05	31.86739 81	NonEnzyme Reg
5.040898 87	28.20320 85	14.88800 51	1.421565 39	49.55367 79	746.5738 47	4259.563 97	2237.803 37	235.0542 15	7478.995 4	115.7180 67	649.5996 15	342.2498 13	33.41535 69	1140.982 85	3.281899 44	18.28220 78	9.498783 32	0.909168 47	31.97205 9	NonEnzyme Reg
2.365736 15	16.70427 61	21.15752 85	7.104081 88	47.33162 26	371.8478 52	2568.313 09	3203.575 74	1074.498 7	7218.235 39	54.81485 36	385.5427 2	486.5551 57	163.2080 39	1090.120 77	1.542487 81	10.91539 14	13.70278 84	4.556686 03	30.71735 36	NonEnzyme Reg
0.424828 98	13.58487 52	18.79706 39	14.53891 71	47.34568 52	62.46483 53	2010.210 04	2762.037 48	2105.111 58	6939.823 93	9.691170 16	310.6157 93	429.0478 02	331.0354 64	1080.390 23	0.273581 56	8.772545 39	12.02524 97	9.219297 92	30.29067 45	NonEnzyme Reg
1.326181 38	22.03863 62	20.40186 66	5.737664 82	49.50434 9	207.3091 34	3472.482 4	3232.917 33	872.3970 45	7785.105 91	30.72181 57	511.1970 68	473.7278 75	132.0318 3	1147.678 59	0.883172 56	14.54484 22	13.36127 99	3.681544 53	32.47083 92	NonEnzyme Reg
1.906436 23	10.21839 79	23.05742 92	10.38506 61	45.56732 95	293.5812 72	1611.036 64	3606.393 8	1561.901 99	7072.913 71	43.92000 42	236.8140 83	533.3959 37	237.8206 32	1051.950 66	1.236483 23	6.686895 93	14.94823 35	6.520199 74	29.39181 24	NonEnzyme Reg
2.314542 82	15.64103 83	17.99271 97	13.46620 97	49.41451 05	360.0692 72	2347.593 52	2708.380 84	2065.680 2	7481.723 83	53.44822 85	359.0206 78	413.1651 13	310.1487 06	1135.782 73	1.489538 66	10.07294 79	11.57904 42	8.682466 19	31.82399 7	NonEnzyme Reg
2.318614 07	16.70902 22	21.32731 32	7.341715 64	47.69666 51	382.3718 46	2560.903 55	3234.053 64	1093.477 42	7270.806 45	54.59450 21	385.5325 98	490.7015 15	168.2953 67	1099.123 98	1.586156 08	10.93399 87	13.83335 85	4.725038 37	31.07855 17	NonEnzyme Reg
2.473202 82	17.75738 19	23.90410 99	4.369420 01	48.50411 47	369.0159 1	2669.294 39	3620.906 4	667.8386 24	7327.055 32	56.62030 09	407.6396 93	548.8097 14	100.4065 66	1113.476 27	1.592645 75	11.54724 58	15.41471 49	2.802945 96	31.35755 24	NonEnzyme Reg
9.257712 75	0	16.69231 02	16.05086 8	42.00089 1	1259.171 63	0	2244.306 11	2160.991 13	5664.468 87	208.5709 51	0	374.6704 55	360.0735 85	943.3149 9	6.046692 86	0	10.65822 75	10.16099 55	26.86591 58	NonEnzyme Reg
2.230449 51	16.18949 07	23.48815 73	6.998587 04	48.90668 45	352.0756 3	2538.897 76	3618.358 53	1056.649 02	7565.980 94	51.93859 75	375.4648 41	543.0615 14	161.3890 64	1131.854 02	1.496602 11	10.71426 4	15.33302 58	4.536084 16	32.07997 61	NonEnzyme Reg
2.634044 46	13.13969 79	25.23746 07	6.800470 06	47.81167 3	403.7292 13	1980.877 59	3778.102 07	1023.944 25	7186.653 12	60.71556 15	301.3925 26	577.0543 04	155.8094 92	1094.971 88	1.721543 84	8.423012 02	15.88350 72	4.325568 98	30.35363 21	NonEnzyme Reg
1.579810 15	11.08835 19	23.64384 68	10.51142 92	46.82343 81	242.3646 27	1734.371 46	3593.749 93	1543.205 77	7113.691 78	36.61322 29	257.4343 19	545.0837 52	240.0844 75	1079.215 77	1.052401 04	7.376903 54	15.48014 13	6.709826 28	30.61927 21	NonEnzyme Reg
1.783793 45	13.21497 96	23.26919 4	10.02259 09	48.29055 78	257.1939 79	1985.936 32	3505.212 7	1507.074 41	7255.417 4	40.58517 17	303.0501 4	533.8935 13	229.9969 44	1107.525 77	1.163743 85	8.510528 64	14.89083 99	6.415593 97	30.98070 63	NonEnzyme Reg
1.913404 43	13.79859 71	26.34287 97	6.492356 75	48.54723 8	298.0550 19	2144.768 86	3952.079 74	971.2768 8	7366.180 49	44.30432 92	319.5531 69	604.2877 68	148.8960 17	1117.041 28	1.281055 99	9.202713 25	17.08902 1	4.230679 89	31.80347 01	NonEnzyme Reg
4.603619 75	19.26102 69	21.60023 79	3.117528 99	48.58241 36	696.4561 49	3005.888 36	3352.474 82	483.2172 31	7538.036 57	105.8720 79	445.8991 07	498.9198 99	72.20068 62	1122.891 77	3.033153 53	12.71186 83	14.07306 51	2.075753 58	31.89384 05	NonEnzyme Reg

1.65775144	9.57082977	23.6164438	12.246724	47.091749	251.909438	1479.47047	3674.08502	1905.60713	7311.07206	38.2234555	221.30474	545.604295	282.633111	1087.7656	1.06488163	6.2452146	15.2886059	7.83177325	30.4304754	NonEnzymeReg
3.3247968	19.288619	21.1478212	5.17065215	48.9318891	525.892168	3003.40303	3269.56633	790.684481	7589.54601	77.193773	446.404991	488.334902	119.029117	1130.96278	2.18008504	12.6032058	13.7569363	3.34624484	31.886472	NonEnzymeReg
0.6374119	14.939187	24.3836693	9.20212906	49.1623973	96.4023465	2327.88906	3786.3292	1361.38853	7572.00913	14.645563	345.950328	563.512758	210.02252	1134.13117	0.42038313	9.9838515	16.0656837	5.85169897	32.3216174	NonEnzymeReg
9.2539147	14.048767	15.8670814	6.97990649	46.1496697	1322.78209	2012.62052	2287.34222	1021.61405	6644.35888	210.03763	318.788291	360.284239	159.142518	1048.25181	5.928576	8.9338574	9.9175763	4.45034448	29.2303526	NonEnzymeReg
2.4070897	24.928117	15.0969937	5.55709828	47.9892994	375.3962	3977.86643	2375.645	849.119969	7578.0276	55.824345	579.369172	349.61615	127.805487	1112.61516	1.60714164	16.450558	9.8334057	3.54995542	31.4410615	NonEnzymeReg
3.6136050	19.624565	17.9846155	7.46507845	48.6878647	559.092859	2929.17508	2715.45356	1185.44746	7389.16895	83.593763	450.027134	413.310358	173.612758	1120.54401	2.39956505	12.715108	11.617923	4.93437381	31.6669932	NonEnzymeReg
2.042779	16.048463	23.1154383	7.69532494	48.9020057	308.463586	2496.9745	3569.83632	1184.56126	7559.83566	46.881454	370.779834	532.989864	177.066675	1127.71783	1.32949301	10.520854	15.050574	4.91540407	31.8163262	NonEnzymeReg
8.5168110	24.091232	9.7937412	6.14223865	48.544023	1311.69114	3669.85884	1432.44721	887.51168	7301.50887	196.40078	553.756577	222.956926	139.296879	1112.41117	5.50522256	15.391372	6.1970879	3.85036184	30.9440451	NonEnzymeReg
0.8067111	16.485760	22.1025122	7.91761236	47.312596	125.128782	2516.04575	3292.32621	1185.8341	7119.33483	18.720054	380.032432	506.035893	181.660448	1086.44882	0.546449	10.743291	14.111580	5.06912833	30.4704491	NonEnzymeReg
4.5488879	18.760887	19.0981608	5.55454341	47.962479	658.610622	2810.67249	2880.18974	819.84131	7169.31417	103.37220	429.519479	438.617623	126.941104	1098.45041	2.88009313	12.028183	12.282084	3.53333948	30.7237008	NonEnzymeReg
1.5267161	13.512089	31.2893012	2.99503713	49.323144	235.617514	2072.48818	4916.33691	466.64075	7691.08336	35.321275	312.260054	725.150874	69.097164	1141.82937	1.00950338	8.9342335	20.577796	1.92117373	32.4427083	NonEnzymeReg
5.7283680	31.389781	9.9799610	1.6067909	48.704901	870.723707	4704.81685	1472.53022	244.985065	7293.05584	131.95201	720.535301	228.024673	36.976858	1117.48885	3.76481898	20.327699	6.3676664	1.01956933	31.4797545	NonEnzymeReg
3.7627580	14.995700	22.1965379	5.31645744	46.271453	548.347155	2198.82456	3324.70718	795.96946	6867.84837	86.050679	343.214182	509.723945	121.920281	1060.90909	2.38484175	9.5563854	14.224614	3.43662778	29.6024697	NonEnzymeReg
4.3646587	24.824416	17.4638718	2.02431534	48.805117	723.378535	3846.06161	2666.14471	294.007225	7548.39128	102.76707	573.704996	402.491866	45.973994	1127.8474	2.98468149	16.188499	11.400313	1.25881295	31.9114637	NonEnzymeReg
2.5500048	15.487135	19.7324161	10.78430993	48.553861	402.041079	2433.24245	2987.78043	1653.97242	7477.03639	59.303982	359.545735	454.355756	248.55721	1121.76268	1.63899502	9.9917797	12.763354	6.98019127	31.3743214	NonEnzymeReg
2.3633480	18.114219	20.9365749	5.63093097	47.045073	354.04144	2773.54174	3197.52723	820.885882	7145.99629	54.194456	416.854236	481.09572	128.249872	1080.39429	1.53979863	11.747889	13.403795	3.55101144	30.2424975	NonEnzymeReg
1.3759590	13.662209	22.9586411	10.45446003	48.451269	203.399725	2115.29687	3530.4656	1608.49074	7457.65294	31.511603	316.02218	529.881119	240.745205	1118.16011	0.88914834	8.9370727	14.742206	6.58030628	31.1487337	NonEnzymeReg
2.0632496	14.738818	22.1334021	8.15339859	47.088868	321.974853	2254.59565	3336.49154	1229.26877	7142.33081	47.629945	339.438145	507.486536	187.134059	1081.68869	1.34381287	9.5917888	14.173974	5.19965745	30.3092334	NonEnzymeReg
2.0832320	13.901605	21.2512244	13.29775222	50.533813	333.702575	2201.78503	3413.27195	2129.79317	8078.55272	48.529311	323.336586	495.613713	310.263721	1177.74333	1.37040838	9.0932035	14.063818	8.93268269	33.4601131	NonEnzymeReg
2.14504	15.677722	21.1537788	7.74783942	46.724381	301.645837	2290.30334	3134.75087	1131.00341	6857.70345	48.774221	358.302785	483.607297	176.494091	1067.17839	1.36062304	10.089019	13.477284	4.87500356	29.8019301	NonEnzymeReg
2.6661239	16.995828	21.6991892	5.63326628	46.994407	389.46522	2507.53673	3314.97964	867.539201	7079.52079	60.776648	387.672899	498.546876	129.747997	1076.74441	1.70944833	10.761444	13.949309	3.62963611	30.0498387	NonEnzymeReg
4.8796012	26.350169	15.9964029	2.42760855	49.821323	768.636273	4044.31264	2413.09931	355.177816	7606.27027	113.69511	607.693374	366.987405	55.541538	1147.77255	3.24817003	17.184653	10.295914	1.53994887	32.3759828	NonEnzymeReg
2.8725773	16.135443	24.4470676	5.64040278	49.095492	449.184062	2494.24176	3749.55893	830.48281	7523.46756	66.490957	372.928928	564.638246	129.00083	1133.05896	1.88836394	10.631907	16.085626	3.62082662	32.2267185	NonEnzymeReg
0	15.274963	19.7859303	12.54060202	47.601494	0	2393.12017	3024.81557	1882.82262	7300.75836	0	354.175395	456.222	288.309019	1098.70642	0	10.183235	12.948735	8.07744719	31.209416	NonEnzymeReg
3.5850701	14.367259	21.2173351	13.68608656	52.855750	559.530631	2198.81608	3238.74136	2085.17792	8082.26598	82.367133	329.266263	487.39822	312.896496	1211.92811	2.24230364	9.0339463	13.538174	8.44803884	33.2624632	NonEnzymeReg
3.8859594	21.404308	21.9517691	1.25752522	48.499561	623.04517	3323.82896	3268.21635	195.623635	7410.71412	90.520643	495.542284	503.305916	29.128076	1118.49692	2.55006702	14.014915	14.161035	0.83265345	31.5586716	NonEnzymeReg
3.5837662	18.456665	18.7541673	10.01092025	50.805521	568.924987	2907.59513	2847.21811	1531.66478	7855.40301	83.560803	428.934995	431.816465	231.049827	1175.36209	2.42193631	12.337268	12.283046	6.61913456	33.6613864	NonEnzymeReg
1.2195662	20.854834	20.4809138	4.65172682	47.207041	178.860688	3138.12387	3156.047	704.197266	7177.22882	27.911980	478.727468	472.154222	106.341094	1085.13477	0.79822494	13.571614	13.224114	2.89551335	30.4894665	NonEnzymeReg
1.7552806	14.344376	19.025406	11.68762671	46.812689	263.570578	2143.05861	2914.5557	1787.88224	7109.06713	40.320701	328.968338	438.820945	268.889851	1076.99984	1.14831332	9.3360192	12.500264	7.564112	30.5487092	NonEnzymeReg
1.8371571	9.7577642	24.8348359	10.97694357	47.406703	259.827346	1405.00511	3646.49869	1594.73354	6906.06468	41.616236	221.626043	566.234517	249.84131	1079.31811	1.17931541	6.2288814	15.745610	6.92365413	30.0774617	NonEnzymeReg
2.3759032	15.657592	22.779798	7.49697483	48.310268	388.065107	2540.73442	3567.7913	1171.69666	7668.28748	55.558615	366.053117	527.282644	173.286006	1122.18038	1.58715875	10.479986	14.881392	4.84730889	31.7958554	NonEnzymeReg

3.585070 11	14.36725 94	21.21733 51	13.68608 56	52.85575 02	559.5306 31	2198.816 08	3238.741 36	2085.177 92	8082.265 98	82.36713 13	329.2662 63	487.3982 2	312.8964 96	1211.928 11	2.242303 64	9.033946 3	13.53817 44	8.448038 84	33.26246 32	NonEnzyme Reg
0	20.06829 96	19.94930 41	6.657327 71	46.67493 14	0	2866.311	2870.879 28	979.7611 15	6716.951 39	0	458.8181 88	457.0360 1	153.4372 41	1069.291 44	0	12.83506 89	12.73536 89	4.267971 91	29.83840 97	NonEnzyme Reg
3.303307 66	16.42040 18	24.75563 99	3.998115 87	48.47746 52	520.5494 51	2539.781 02	3702.943 87	595.5217 37	7358.796 08	77.02859 32	380.2979 61	567.8534 62	91.70074 48	1116.880 76	2.263164 01	10.91804 99	15.99948 96	2.495121 39	31.67582 49	NonEnzyme Reg
6.253304 52	10.02449 19	12.09151 65	14.83477 11	43.20408 41	884.8035 1	1425.301 68	1901.826 14	2280.893 2	6492.824 52	141.0256 08	226.6082 07	278.3303 98	340.2836 6	986.2478 72	3.852848 83	6.217570 02	7.584108 71	9.237281 01	26.89180 86	NonEnzyme Reg
1.994607 68	15.65547 19	24.52537	5.476944 86	47.65239 44	313.4948 81	2428.014 23	3751.327 49	826.2103 59	7319.046 96	46.24466 35	362.7268 85	565.5795 46	125.8468 36	1100.397 93	1.315469 17	10.34635 45	15.93130 32	3.518706 83	31.11183 36	NonEnzyme Reg
2.346470 17	12.13521 81	30.21005 79	5.001409	49.69315 52	360.6896 9	1830.762 63	4498.926 4	741.1836 29	7431.562 35	54.11209 4	278.5783 27	691.7111 33	114.4744 6	1138.876 01	1.544469 95	7.885720 47	19.41991 87	3.229570 19	32.07967 93	NonEnzyme Reg
0	5.137478 36	27.76470 62	14.57387 79	47.47606 25	0	764.2370 91	4087.904 54	2092.863 71	6945.005 34	0	117.9010 26	635.4615 15	331.7479 28	1085.110 47	0	3.385384 52	17.99078 96	9.298799 25	30.67497 34	NonEnzyme Reg
3.878220 9	27.90879 05	14.37474 7	2.753312 98	48.91507 13	566.3195 05	4168.113 68	2129.258 18	410.7944 18	7274.485 78	88.65648 56	640.2353 11	329.4503 42	63.42632 87	1121.768 47	2.503243 2	17.84767 21	9.173876 58	1.812449 13	31.33724 1	NonEnzyme Reg
1.711864 12	12.03186 82	27.32725 41	8.065802 88	49.13678 92	257.6367 23	1826.473 43	4100.027 38	1203.257 35	7387.394 88	39.37429 11	276.9836 92	626.7421 74	184.6048 27	1127.704 98	1.129918 13	7.903565 38	17.73533 48	5.182594 34	31.95141 26	NonEnzyme Reg
5.259281 92	19.13672 98	19.38845 32	5.661079 3	49.44554 43	807.8738 56	2895.303 28	2926.380 62	837.1196 06	7466.677 36	121.4887 57	440.2269 42	445.7062 27	129.4561 47	1136.878 07	3.477875 28	12.57730 07	12.64891	3.638619 96	32.34270 59	NonEnzyme Reg
2.107315 15	18.93445 99	24.05987 9	4.329291 87	49.43094 59	316.0628 08	2863.317 13	3652.839 94	645.4683 26	7477.688 21	48.44945 47	435.2651 66	552.6971 69	99.20008 1	1135.611 87	1.381469 57	12.36945 38	15.51013 13	2.757835 32	32.01889	NonEnzyme Reg
2.311362 64	12.52147 32	24.81250 81	7.359196 85	47.00454 07	360.9062 13	1920.673 25	3755.052 86	1130.051 02	7166.683 34	53.58438 47	288.6364 83	568.8310 43	169.2842 87	1080.336 2	1.505924 51	8.095509 92	15.72973 6	4.656337 18	29.98750 76	NonEnzyme Reg
1.800438 51	19.30418 89	21.19324 64	6.913156 58	49.21103 04	281.5512 94	3027.028 93	3322.823 4	1107.069 82	7738.473 43	41.63406 67	446.7139 64	489.9018 22	160.5704 88	1138.820 34	1.183389 39	12.65802 73	13.76352 41	4.473025 16	32.07796 59	NonEnzyme Reg
0.582891 05	11.10936 59	20.64377 04	16.62442 36	48.96045 08	92.60976 77	1720.358 94	3171.729 42	2509.958 61	7494.656 73	13.53790 36	257.0076 95	476.7637 13	382.5518 02	1129.861 11	0.386430 76	7.322952 98	13.56722 56	10.83309 38	32.10970 31	NonEnzyme Reg
2.172656 52	17.05069 44	23.14038	7.730487 77	50.09421 87	315.8882 38	2642.284 77	3647.739 71	1217.503 69	7823.416 41	49.68885 59	393.8507 11	535.6271 93	178.4190 06	1157.585 77	1.405315 96	11.16618 91	15.02018 29	4.924524 23	32.51621 22	NonEnzyme Reg
1.396951 78	12.11216	23.11357 79	10.58628 35	47.20897 31	200.8291	1782.706 98	3471.111 03	1592.527 19	7047.174 31	31.73980 94	276.5374 95	529.2734 32	242.1388 89	1079.689 63	0.889252 42	7.765892 42	14.78054 49	6.719286 64	30.15497 64	NonEnzyme Reg
2.518249 29	31.45733 92	13.84588 99	1.779400 71	49.60087 91	397.4931 57	4737.876 05	2075.602 79	293.2552 39	7504.227 24	58.52054 32	721.0963 57	316.8921 4	41.80314 47	1138.312 18	1.680282 16	20.02885 02	8.698423 15	1.179892 79	31.58744 83	NonEnzyme Reg
0.706020 88	26.87965 61	16.86445 77	3.084114 84	47.53424 95	112.4650 2	4213.542 13	2517.804 35	447.6608 93	7291.472 39	16.43840 28	622.4919 01	386.4699 4	69.99096 04	1095.391 2	0.471483 72	17.68454 71	10.83598 06	1.890797 15	30.88280 86	NonEnzyme Reg
2.366312 3	15.30579 46	26.72229 24	3.568379 52	47.96277 87	350.5668 02	2289.869 31	3960.932 7	518.9278 73	7120.296 68	54.22612 21	351.1933 58	611.8477 32	81.26862 3	1098.535 84	1.518370 82	9.856667 03	17.16482 55	2.242317 55	30.78218 09	NonEnzyme Reg
0	21.38186 47	23.78806 57	2.429797 11	47.59972 75	0	3078.482 8	3470.269 11	378.0238 3	6926.775 74	0	489.6214 48	546.9218 27	56.54103 67	1093.084 31	0	13.72617 73	15.30081 99	1.584130 59	30.61112 78	NonEnzyme Reg
2.681647 78	14.35752 3	22.21563 36	10.66405 01	49.91885 44	413.4276 31	2257.319 4	3408.181 98	1681.257 65	7760.186 66	61.87715 39	333.2985 11	512.5224 38	247.2093 5	1154.907 45	1.745374 29	9.485990 45	14.44025 66	6.914742 24	32.58636 36	NonEnzyme Reg
2.637357 75	13.49342 73	20.40298 78	12.53275 93	49.06653 23	412.5976 08	2066.505 79	3078.911 41	1951.357 35	7509.372 16	61.18277 2	311.0467 03	468.1608 88	288.8676 96	1129.258 06	1.750940 55	8.854612 67	13.12530 28	7.985862 21	31.71671 82	NonEnzyme Reg
1.917546 77	12.82833 85	23.51459 1	9.825878 08	48.08635 43	284.7192 4	1943.782 47	3525.260 71	1454.545 29	7208.307 7	43.92866 31	295.5918 16	540.6806 48	225.0760 58	1105.277 19	1.218041 05	8.319573 07	15.23184 3	6.274576 53	31.04403 37	NonEnzyme Reg
2.094412 36	22.57681 77	19.30804 78	1.597587 18	45.57686 5	298.9993 35	3270.638 21	2724.063 98	227.2174 17	6520.918 94	47.62713 57	514.9032 76	437.7007 78	36.28029 81	1036.511 49	1.363141 9	14.69613 22	12.44146 71	1.042874 52	29.54361 57	NonEnzyme Reg
3.119395 72	20.93492 35	17.71314 94	5.526762 73	47.29423 13	478.9913 79	3199.514 47	2666.932 63	849.1901 21	7194.628 6	71.79607 72	481.9749 93	406.1984 75	127.5190 36	1087.488 58	2.007011 86	13.55413 48	11.38487 76	3.613889 91	30.55991 42	NonEnzyme Reg
1.933459 72	21.31497 4	10.63403 92	10.79589 15	44.67836 45	299.5688 94	3076.525 32	1533.861 24	1531.197 96	6441.153 42	45.01287 14	487.8785 01	242.8029 3	244.8568 22	1020.551 12	1.287427 79	13.56386 07	6.708900 08	6.795925 06	28.35611 36	NonEnzyme Reg
4.931360 64	23.71739 91	16.77028 44	3.096522 77	48.51556 69	740.4373 87	3493.241 44	2535.853 58	451.4173 4	7220.949 75	113.1902 29	542.0927 65	385.0886 13	70.90006 37	1111.271 67	3.212772 7	15.19948 94	10.68351 09	1.953441 37	31.04921 44	NonEnzyme Reg
2.347314 86	20.50021 53	23.37758 61	3.112764 44	49.33788 06	367.3063 42	3083.690 47	3489.969 01	485.6455 87	7426.611 41	54.62529 23	471.2634 05	536.0021 8	71.93801 02	1133.828 89	1.581590 33	13.44036 44	15.15462 99	2.025614 76	32.20219 94	NonEnzyme Reg
5.203368 09	33.38841 28	8.477389 23	1.546149 31	48.61531 94	837.3993 05	5139.689 99	1264.969 06	224.4083 61	7466.466 71	121.7411 41	770.8563 24	193.8692 04	35.06951 13	1121.536 18	3.526121 83	21.68444 39	5.409097 46	0.966043 22	31.58570 64	NonEnzyme Reg
2.671097 29	12.50693 32	27.81374 45	6.535508 69	49.52728 36	410.4466 3	1939.672 68	4249.275 04	957.7233 41	7557.117 69	61.99889 74	290.0019 96	640.9323 87	149.1261 29	1142.059 41	1.799352 85	8.319496 26	18.06790 89	4.109692 04	32.29645	NonEnzyme Reg
5.782076 5	30.92312 87	10.33317 98	1.967130 45	49.00551 54	905.4039 92	4797.225 77	1608.456 13	325.0693 79	7636.155 28	134.5236 67	716.0623 34	239.0684 48	46.30786 67	1135.962 32	3.920398 79	20.40587 32	6.716558 48	1.302591 06	32.34542 16	NonEnzyme Reg

3.1746291	19.9659477	22.1648728	4.36461867	49.6700682	476.229609	3018.40357	3389.13726	653.448915	7537.21936	73.2472239	459.336786	509.861975	99.8515858	1142.29757	2.08872618	12.9123763	14.1783476	2.74610723	31.9255573	NonEnzyme Reg
8.3625942	23.8122991	14.2918649	2.08336864	48.5501268	1319.79152	3693.02525	2201.24258	315.836715	7529.89606	194.17502	551.574645	329.802536	47.9480096	1123.50109	5.48866485	15.6646969	9.2621589	1.35624457	31.7717653	NonEnzyme Reg
6.2111550	16.9145704	16.7878785	8.79631772	48.7099217	985.223194	2722.45275	2659.95749	1346.86431	7714.49773	144.79228	395.537679	390.904537	203.463469	1134.69797	4.13251827	11.3037589	11.1168077	5.75456733	32.3076522	NonEnzyme Reg
2.4775395	17.5151043	23.6068513	2.86366114	46.4631563	372.008995	2632.49953	3498.52269	409.668614	6912.69982	56.842440	401.741402	539.569668	65.0557628	1063.20927	1.61413081	11.2765234	15.0426802	1.82034251	29.7536769	NonEnzyme Reg
4.5653632	27.0855609	16.7446476	1.49102033	49.8865921	719.561785	4156.30558	2507.19905	211.617145	7594.68356	106.08727	624.299154	383.447074	34.1834882	1148.01699	3.01592982	17.5455542	10.6953056	0.96394831	32.220738	NonEnzyme Reg
0.8082286	16.6023558	22.0953127	8.60061744	48.1065146	124.77621	2555.53692	3424.62525	1336.83951	7441.77789	18.641201	382.5906	510.311899	198.679357	1110.22306	0.52786418	10.7590071	14.4187424	5.59800321	31.3036168	NonEnzyme Reg
0	9.9681282	25.8543578	11.2229028	47.0453889	0	1455.15974	3809.58334	1658.59148	6923.33456	0	228.01661	592.036015	257.780695	1077.83332	0	6.4404554	16.4666827	7.23439116	30.1415297	NonEnzyme Reg
1.3382348	15.0431647	21.0563567	9.85430142	47.2920576	215.068291	2448.70445	3264.06904	1464.91886	7392.76064	31.284979	352.504566	487.232878	225.58184	1096.60426	0.90932648	10.2179568	13.8220032	6.22911572	31.1784022	NonEnzyme Reg
1.7915882	19.4009981	24.9062277	2.99434117	49.0931551	267.260951	2977.65757	3855.86484	460.291289	7561.07466	41.113564	447.365111	574.835769	68.8214567	1132.1359	1.17343008	12.6806082	16.1770798	1.90692062	31.9380386	NonEnzyme Reg
14.679426	31.3062767	0.6390751	1.46723683	48.0920152	2325.47707	4898.88937	106.77685	228.976229	7560.11953	340.74143	724.747219	15.150178	33.957792	1114.59658	9.71089822	20.4514682	0.4509121	0.95191562	31.5652012	NonEnzyme Reg
2.2498997	15.2646178	26.0047058	4.23071061	47.749934	338.411368	2281.79912	3960.0673	649.548466	7229.82625	51.625382	350.824543	598.322042	97.6356908	1098.40766	1.46365584	9.9263985	16.6881568	2.70459637	30.7828076	NonEnzyme Reg
0	11.960892	25.9333632	8.40440604	46.298661	0	1762.73465	3828.03838	1240.31092	6831.08395	0	275.431478	595.262329	192.78864	1063.48245	0	7.6178675	16.4889023	5.27915974	29.3859296	NonEnzyme Reg
6.3292205	18.9075757	12.7895978	9.28680067	47.3131946	901.262471	2790.00754	1911.0781	1393.33155	6995.67965	143.47441	432.146478	293.135203	213.025561	1081.78166	3.96848329	12.0489933	8.2121784	5.99832542	30.2279805	NonEnzyme Reg
11.718137	22.0445381	12.547135	1.85611164	48.165922	1756.28694	3310.18526	1871.48697	260.523126	7198.48229	268.59692	504.68233	287.427401	41.9921165	1102.69877	7.52519906	14.0232778	8.0660302	1.16249429	30.7770012	NonEnzyme Reg
5.2072205	30.7678549	9.9212482	2.08254889	47.9788732	747.52283	4506.48582	1456.899	318.409884	7029.31754	118.77061	703.348268	226.587798	47.6935344	1096.40021	3.35687407	19.900166	6.3522882	1.30947839	30.9188067	NonEnzyme Reg
3.4362108	18.5327631	19.6494032	7.40394241	49.0223196	544.04752	2852.64968	3103.39056	1206.29017	7706.37794	79.820026	428.581297	456.793098	173.073578	1138.268	2.26835848	12.2060825	13.0241638	4.90116125	32.399766	NonEnzyme Reg
0.4969625	7.4166226	20.5285938	20.800089	49.242268	83.595949	1144.69339	3116.15212	3147.07347	7491.51493	11.747009	171.378302	472.540831	477.947479	1133.61362	0.344862	4.9060661	13.3407113	13.3469245	31.9385639	NonEnzyme Reg
8.5033726	33.2969295	2.9296678	0.84050469	45.5704743	1253.45337	4878.63127	447.86339	122.647463	6702.59549	194.55134	759.711154	67.3336734	19.2036807	1040.79986	5.52935523	21.2781977	1.8754749	0.54717785	29.2302057	NonEnzyme Reg
1.7808095	17.1670885	19.4533359	9.14732305	48.010022	279.251281	2665.30661	3023.22742	1421.58078	7460.30674	41.170875	397.188057	449.851308	210.618101	1109.45055	1.16257914	11.2126588	12.5963845	5.76455586	31.0305155	NonEnzyme Reg
3.8629635	21.8899814	18.9184111	4.55199669	49.2966893	619.643029	3380.53659	2857.62218	688.757653	7557.65509	90.113378	506.45942	434.676296	104.577407	1137.51102	2.57369957	14.397502	12.2439084	2.93337044	32.1955632	NonEnzyme Reg
1.8674537	10.9180064	24.4736548	10.3059623	47.5650773	279.96936	1644.28204	3685.51516	1547.74478	7157.51134	42.785734	250.77731	562.03874	236.325555	1091.92735	1.18484144	7.0705193	15.892697	6.61745341	30.7655115	NonEnzyme Reg
4.4248324	28.3820087	13.7737429	2.08544918	48.6660332	699.383865	4530.03394	2166.98956	302.555673	7698.96303	102.38729	659.143175	318.414014	47.4254316	1127.36992	2.86079621	18.4500656	8.8714739	1.31255731	31.4948931	NonEnzyme Reg
4.2547053	21.8510759	19.5190212	3.09212005	48.7169224	649.570611	3274.19169	2991.72755	489.66086	7405.15071	98.038628	502.277147	450.389956	71.6952318	1122.40096	2.75694607	14.2254278	12.7430564	2.00910892	31.7345392	NonEnzyme Reg
1.1567036	9.2703958	24.6676154	13.1085477	48.2032627	185.878606	1457.55464	3830.76588	2006.24829	7480.44741	26.944881	215.114474	569.733334	301.202354	1112.99504	0.76108921	6.1150801	16.0482287	8.31742562	31.2418236	NonEnzyme Reg
2.1994291	15.0180633	22.4120625	9.02275464	48.6523104	328.954068	2248.58988	3404.80666	1402.49747	7384.84808	50.341768	343.928846	514.281589	207.448079	1116.00028	1.43010825	9.6753229	14.3054279	5.67290803	31.0837672	NonEnzyme Reg
0.4952902	18.1169056	22.0189072	6.1841595	46.8152626	77.929741	2736.73765	3254.07503	918.845407	6987.58785	11.490972	416.633242	504.338191	141.714863	1074.17727	0.32742545	11.7894493	14.2000854	3.91965946	30.2366197	NonEnzyme Reg
1.7776278	10.4028538	25.8509905	10.6113978	48.6430048	265.716258	1568.83054	3862.60777	1621.68473	7318.8393	40.848159	239.054571	592.891575	244.088917	1116.88322	1.18433894	6.7957731	16.7395789	6.83255516	31.5522462	NonEnzyme Reg
0.6410706	9.5569440	21.4311491	15.3843465	47.0135103	94.3847505	1462.95945	3323.11284	2359.2376	7239.69464	14.670764	220.467678	494.767727	353.746466	1083.65264	0.41735714	6.2521389	13.8521787	9.80985396	30.3315287	NonEnzyme Reg
10.502019	17.4110012	12.7351712	8.08339788	48.7315893	1503.25894	2464.91145	1816.29546	1128.98959	6913.45544	238.41281	394.583424	289.45267	182.854814	1105.30919	6.71336678	11.0585323	8.1229012	5.06426321	30.9590635	NonEnzyme Reg
1.1366160	13.6776737	24.0974331	9.64841763	48.5601405	164.626511	2028.37195	3609.31678	1480.04763	7282.36288	25.942503	312.744034	551.633411	221.424079	1111.74403	0.73021778	8.7946724	15.4798839	6.09389383	31.0986677	NonEnzyme Reg
2.1834099	15.4120915	23.6302927	5.80072584	47.0265199	349.999642	2409.78032	3628.92776	885.180322	7273.88805	51.104946	357.326955	544.720422	133.607415	1086.75974	1.48924739	10.2118655	15.335229	3.72427536	30.7606172	NonEnzyme Reg

3.35228576	17.6564257	20.8315875	8.39650887	50.2368079	608.020768	3111.78468	3503.58381	1345.26636	8568.65561	80.8789248	422.286583	490.521216	195.305042	1188.99177	2.38597224	12.3168377	14.0707994	5.48143035	34.2550397	NonEnzyme Reg
1.9667665	16.305998	23.8425365	6.17710137	48.2914024	306.19269	2520.2726	3653.65063	946.601181	7426.7171	45.3714404	376.620808	549.793825	142.378066	1114.16414	1.26483527	10.6271786	15.2833174	3.86476599	31.0400973	NonEnzyme Reg
1.9659239	11.365154	21.7597118	12.4904269	47.5812175	314.113567	1761.63162	3288.21748	1882.34814	7246.31081	45.9314528	263.092635	500.426215	286.314797	1095.7651	1.31991477	7.4682269	14.0065442	7.93080977	30.7254957	NonEnzyme Reg
1.5121394	20.353314	23.2816776	3.6117786	48.7589104	230.940848	3001.65799	3424.9175	511.54542	7169.06175	34.9271346	467.236884	533.778431	81.9329213	1117.87537	0.99139235	13.1903097	14.9587171	2.26895175	31.4093709	NonEnzyme Reg
4.5653626	27.085560	16.7446476	1.4910203	49.8865921	719.561785	4156.30558	2507.19905	211.617145	7594.68356	106.08727	624.299154	383.447074	34.1834882	1148.01699	3.01592982	17.5455542	10.6953056	0.96394831	32.220738	NonEnzyme Reg
0.5991848	20.124218	20.4487786	7.2902614	48.462443	86.9661817	2917.25455	3004.21726	1072.56074	7080.99873	13.6685054	458.203041	465.966036	166.006631	1103.84421	0.3926165	12.8237387	12.8637986	4.53302166	30.6131755	NonEnzyme Reg
0.9912580	13.317701	25.7425292	10.154467	50.2059533	148.225229	2055.07883	3967.61429	1583.75115	7754.66949	22.730266	307.790875	594.73836	235.65818	1160.91768	0.64282878	8.7655831	16.8295469	6.67085045	32.9088093	NonEnzyme Reg
1.5657154	13.123967	22.8538838	10.337158	47.8807259	243.511429	2045.58081	3489.83432	1554.59324	7333.5198	36.3293319	304.260522	526.208162	237.1813	1103.97932	1.03732753	8.6960861	14.8582797	6.66052278	31.252216	NonEnzyme Reg
1.5429975	13.530301	23.8018518	9.6760433	48.5511944	246.521462	2141.20322	3751.86379	1494.54816	7634.13662	35.8301206	314.355397	551.959507	223.092117	1125.23714	1.01051871	8.9092515	15.5459388	6.22429429	31.6900033	NonEnzyme Reg
2.3094217	13.959427	24.5381533	8.8273846	49.6343869	366.060041	2136.67914	3739.33938	1338.03117	7580.10973	53.5876111	322.435539	566.011956	203.151773	1145.18688	1.53215526	9.2729887	16.1372883	5.70107841	32.6435118	NonEnzyme Reg
2.0737420	17.124383	24.9543973	5.0830626	49.2355857	306.876592	2624.82265	3788.73416	752.441882	7472.87528	47.5957595	395.415421	574.000591	116.228705	1133.24048	1.33873816	11.195396	16.0755678	3.21532835	31.8250311	NonEnzyme Reg
1.6853737	14.34958	26.0092079	8.2434488	50.2876165	258.568397	2260.65067	4002.61405	1267.68792	7789.52104	38.8182264	332.843957	600.355282	190.282387	1162.29985	1.09876398	9.4192574	16.9748703	5.34046406	32.8333558	NonEnzyme Reg
2.9731306	16.991880	22.9178654	3.1686776	46.0515541	446.13829	2579.45613	3448.68767	479.52292	6953.80502	68.4262257	391.177496	526.382675	72.9871039	1058.9735	1.94775255	11.048621	14.7120378	2.06137216	29.7697844	NonEnzyme Reg
2.269886	16.215582	19.1768613	10.709985	48.3723105	331.461553	2411.71487	2908.61432	1623.07917	7274.8699	52.0682736	371.512218	440.683845	245.795321	1110.05966	1.47337999	10.427210	12.2584166	6.77725478	30.9362619	NonEnzyme Reg
0.9519108	18.126571	18.206035	10.888635	48.1731527	145.598708	2722.84365	2703.96094	1616.00213	7188.40542	21.9878656	416.284791	416.665175	248.889915	1103.82775	0.63695451	11.872346	11.7426342	6.87160745	31.1235423	NonEnzyme Reg
4.3032872	25.398897	17.624099	1.6077450	48.9340283	728.26077	4213.14031	2813.6914	257.587241	8012.67972	101.485378	595.700307	408.629336	37.4178223	1143.23284	2.92742681	17.013781	11.4203243	1.05371859	32.4152498	NonEnzyme Reg
8.7548624	30.579141	7.9541181	4.7850127	52.0731384	1425.8898	4665.78716	1246.20458	771.57293	8109.45447	204.31343	703.846074	183.775048	110.95203	1202.8866	5.81773564	19.838623	5.13407339	3.08153637	33.871969	NonEnzyme Reg
2.0410454	16.516292	24.9989808	5.4654425	49.0217616	305.772658	2541.35377	3911.14472	832.728252	7590.9994	46.8522072	380.853795	577.805761	125.625063	1131.13683	1.31948641	10.734805	16.1605207	3.50975864	31.7245713	NonEnzyme Reg
1.9451441	11.210526	29.3309981	7.1853342	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.3152457	18.9053222	4.60031207	32.1118516	NonEnzyme Reg
2.4905326	15.657052	24.7335267	7.3111329	50.1922453	381.658736	2425.4909	3820.30635	1132.87401	7760.32999	57.3355324	362.322088	572.73467	169.783794	1162.17609	1.63754702	10.295085	16.2665392	4.82156318	33.0207348	NonEnzyme Reg
1.9920429	14.313755	24.6056993	6.9999693	47.9114674	296.439258	2111.99443	3641.61375	1054.10748	7104.15492	45.7202333	327.336388	563.699381	160.968515	1097.72452	1.32488126	9.3154772	15.9961694	4.57658564	31.2131136	NonEnzyme Reg
1.8305726	12.745353	28.4657664	5.8684468	48.9101395	276.830374	1960.29437	4340.77278	867.06325	7444.96078	42.0778429	294.499858	655.937003	134.111757	1126.62646	1.17810225	8.3733858	18.5959725	3.78002744	31.927488	NonEnzyme Reg
2.2124084	19.989590	22.345235	4.1628445	48.7100783	340.362031	3074.05212	3405.81459	647.73463	7467.96338	51.1115352	461.504743	514.199438	96.2482617	1123.06398	1.44109775	13.008991	14.455204	2.71515044	31.6204436	NonEnzyme Reg
2.9171954	15.918612	12.606291	17.609433	49.0515331	452.460208	2522.29906	1949.33088	2702.00543	7626.09558	67.5486771	370.417777	291.115129	404.871453	1133.95304	1.91792333	10.543617	8.21589233	11.19729	31.87473	NonEnzyme Reg
1.3098764	22.751758	19.748201	6.1118029	49.9216399	226.820131	3744.30506	3206.28932	911.27593	8088.69045	31.109973	532.30694	459.649458	139.649267	1162.71564	0.91285996	15.165304	12.8952549	3.85398383	32.8273991	NonEnzyme Reg
5.8108215	22.707398	17.311684	2.0005705	47.8304741	891.142727	3494.36202	2649.05607	298.58111	7333.14193	134.606013	525.862387	399.567968	45.6276034	1105.66397	3.86178787	15.066171	11.2851518	1.22926744	31.4423641	NonEnzyme Reg
4.7717690	28.618708	11.251076	5.5752092	50.2167634	738.682858	4378.58582	1812.98483	889.51165	7819.76517	110.375392	659.923818	262.538772	129.635389	1162.47337	3.16764604	18.761806	7.483992	3.69656213	33.1100062	NonEnzyme Reg
5.1102325	23.014963	18.116259	4.0264212	50.267873	817.817919	3538.29875	2761.17611	651.43664	7768.72925	119.007425	530.56862	416.79676	93.762336	1160.13514	3.41251245	14.974058	11.6858321	2.62530688	32.6977103	NonEnzyme Reg
11.936429	12.805149	12.195871	12.27371	49.211169	1770.87102	1889.35034	1764.93875	1679.32395	7104.48406	272.662857	292.361578	277.720661	276.332227	1119.07732	7.62838189	8.1479497	7.7551995	7.69314393	31.2246751	NonEnzyme Reg
1.3613664	10.510018	23.407479	11.520472	46.799336	197.41227	1564.90419	3490.30425	1731.17377	6983.79447	31.148269	240.988581	535.796604	263.927229	1071.86068	0.89672796	6.7927125	14.929287	7.33038299	29.9491022	NonEnzyme Reg
3.8948216	15.894115	21.075628	8.4280978	49.292663	606.660467	2361.81722	3155.2659	1256.9684	7380.71199	89.960782	363.839844	482.744167	192.512496	1129.05729	2.51235022	10.178820	13.485756	5.3409071	31.5178335	NonEnzyme Reg

2.55000487	15.4871359	19.7324161	10.7843093	48.5538661	402.041079	2433.24245	2987.78043	1653.97242	7477.03639	59.3039822	359.545735	454.355756	248.55721	1121.76268	1.63899502	9.99177973	12.7633554	6.98019127	31.3743214	NonEnzymeReg
7.0364257	26.9005152	13.926294	0.4210493	48.2842843	1062.6516	3960.67669	2064.58804	52.967432	7140.88376	161.72044	614.464652	318.732141	9.2768775	1104.19411	4.54039334	17.18481	8.9311901	0.2379885	30.8943842	NonEnzymeReg
0.4835341	15.8969905	21.4426683	10.666448	48.4896408	71.2312818	2403.32943	3181.26052	1619.01621	7274.83744	11.076813	365.80105	491.355624	245.240289	1113.47373	0.31965213	10.3703819	13.896870	6.8822518	31.4691561	NonEnzymeReg
1.6467986	12.4595151	29.300068	5.3359173	48.74229	257.715746	1988.06305	4546.11208	812.19296	7604.08384	38.250123	290.5994	677.464814	122.54002	1128.85444	1.10237315	8.3662277	19.165524	3.3791018	32.0132271	NonEnzymeReg
2.13315173	13.9738447	24.44599	8.6843772	49.31728	316.492697	2100.15124	3708.37243	1317.05718	7454.18909	48.734333	320.7725	561.959515	199.94044	1133.24533	1.35533116	9.0377816	15.767067	5.6592003	31.8708233	NonEnzymeReg
7.35311842	24.531116	12.987273	2.3769559	47.24845	1152.19899	3858.61326	2111.2913	367.55595	7489.65953	170.42261	569.229527	303.566054	54.9848069	1098.203	4.87478106	16.258243	8.6622785	1.5540808	31.3493835	NonEnzymeReg
1.1048083	7.8792918	24.605295	15.658000	49.247396	172.483885	1261.15165	3876.54534	2367.23572	7677.4166	25.666767	184.112962	571.646135	359.725828	1141.15169	0.74559656	5.3574748	16.455291	10.145817	32.7041795	NonEnzymeReg
3.06854446	15.4145253	23.738072	6.2982418	48.51938	477.98759	2397.59373	3648.72879	964.86610	7489.17622	71.014054	356.891585	547.213242	145.20143	1120.32032	2.03537084	10.192368	15.344136	4.0616568	31.6335325	NonEnzymeReg
1.3230022	8.2492175	25.131073	13.824487	48.52778	218.059238	1344.04611	3917.49455	2131.0495	7610.64939	31.038074	193.353071	582.074268	318.601831	1125.06725	0.89467666	5.5641507	16.414341	8.8610215	31.7341899	NonEnzymeReg
3.23177188	16.3755232	24.113723	5.8228553	49.54387	499.247974	2457.591	3499.5711	852.5867	7308.99677	74.915562	376.845969	549.498896	133.04471	1134.30515	2.18045502	10.800041	15.495733	3.7460745	32.2223041	NonEnzymeReg
0	15.7581176	22.705569	9.9095294	48.37321	0	2405.14475	3470.45674	1508.17778	7383.77927	0	363.27753	523.297011	228.39462	1114.96915	0	10.412416	14.886610	6.4670637	31.7660903	NonEnzymeReg
2.2630733	13.0045083	24.297296	7.9651757	47.53005	320.371177	1894.71077	3617.61407	1170.88239	7003.57841	51.361283	296.697948	556.717565	181.79015	1086.56695	1.43260097	8.3516544	15.705485	5.0960850	30.5858209	NonEnzymeReg
2.88578692	22.8406824	18.963368	3.2612724	47.95111	431.453675	3443.46247	2828.23985	458.81680	7161.9728	66.329936	525.093189	434.87014	73.984917	1100.27818	1.91875437	15.01346	12.257789	2.0400429	31.2300471	NonEnzymeReg
3.59408789	21.8458701	19.269425	4.1767530	48.88613	562.357302	3370.05242	2936.5902	640.04105	7509.04097	83.055007	503.694716	443.172419	96.032535	1125.95468	2.329561	14.220869	12.465846	2.6662922	31.6825692	NonEnzymeReg
1.29489528	15.0194733	23.749045	9.5113577	49.57477	198.120608	2319.73709	3562.28819	1457.7121	7537.85799	29.896484	346.910711	544.686416	219.23635	1140.72997	0.86931977	9.9151492	15.280108	6.1764181	32.2409953	NonEnzymeReg
4.57442099	23.9091656	18.105058	3.6590890	50.24773	683.530011	3559.43175	2782.16711	548.63393	7573.7628	104.99178	548.417171	418.264582	83.798419	1155.47196	3.01639717	15.589912	11.898144	2.2975639	32.8020266	NonEnzymeReg
3.56680355	27.6846572	15.989626	2.2374258	49.47851	548.695602	4224.07609	2448.69762	408.11010	7629.57942	82.454056	638.354695	368.658557	53.438763	1142.90607	2.41091052	18.347776	10.438634	1.4384801	32.635803	NonEnzymeReg
2.24029434	11.7217354	22.323368	12.261396	48.54679	353.45646	1821.82813	3373.10509	1816.77392	7365.1636	51.956019	271.28128	513.020057	280.39037	1116.64773	1.48486895	7.7389440	14.457914	7.8194233	31.501151	NonEnzymeReg
1.94514417	11.2105268	29.330998	7.1853342	49.67200	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.143456	257.79901	671.733945	164.82918	1139.50561	1.29097153	7.3152457	18.905322	4.6003120	32.1118516	NonEnzymeReg
6.26934878	32.4790671	6.2934051	3.0242101	48.06603	932.608689	4881.74239	947.28163	495.18496	7256.81767	144.30701	745.623898	144.243528	70.210753	1104.38519	4.14654948	20.857242	4.0102729	1.9017455	30.9158104	NonEnzymeReg
4.80769184	15.2192997	23.989533	4.5778601	48.59438	717.74372	2273.54678	3558.50669	653.64179	7203.43898	110.49068	349.532178	550.300657	103.79596	1114.11948	3.20705263	10.052358	15.598075	2.8615404	31.7190276	NonEnzymeReg
2.76074669	17.730793	17.149626	9.6002524	47.24141	433.735851	2757.51804	2666.54193	1456.43351	7314.22932	64.088145	408.923081	394.338088	220.638147	1087.98746	1.76218562	11.171538	10.843423	6.2047934	29.9819409	NonEnzymeReg
0.98768619	17.158974	24.078895	6.4298855	48.96487	155.295731	2697.9108	3716.74468	993.03564	7612.6318	22.933078	397.887434	556.860671	148.78949	1133.77478	0.65566779	11.296516	15.775242	4.2046382	32.1430227	NonEnzymeReg
2.45898571	16.8927214	25.600340	3.6641730	48.61622	387.072241	2643.73862	3890.35722	539.49587	7460.66396	56.988683	390.609373	587.644454	83.567210	1118.80972	1.63024653	10.973403	16.318161	2.2791855	31.2009971	NonEnzymeReg
2.44273951	15.9800645	20.324264	8.1684813	46.91554	364.844911	2449.12938	3107.94892	1254.22073	7176.14394	56.00428	368.088716	468.095491	188.39527	1080.5837	1.60854294	10.436528	13.173928	5.3058227	30.5248232	NonEnzymeReg
11.1315454	12.6348824	15.554831	12.025459	51.34671	1615.45618	1829.30404	2231.00275	1701.24548	7377.00846	253.72549	288.094348	353.22109	272.25925	1167.30016	7.21605242	8.2082534	9.9086194	7.5511624	32.8840878	NonEnzymeReg
1.52671611	13.5120899	31.289301	2.9950371	49.32314	235.617514	2072.48818	4916.33691	466.64056	7691.08336	35.321275	312.260054	725.150874	69.097164	1141.82937	1.00950338	8.9342335	20.577976	1.9211737	32.4427083	NonEnzymeReg
4.87863768	22.0082675	17.241761	5.1255036	49.25417	734.33876	3403.16155	2671.28958	776.27678	7585.06676	111.93526	508.138231	397.816396	117.17609	1135.0659	3.14447707	14.387329	11.107124	3.1711173	31.8100482	NonEnzymeReg
3.81416171	24.659789	17.706439	2.0386364	48.21902	549.665316	3746.78238	2710.48083	295.26064	7302.18918	86.806046	566.709257	406.999588	46.236576	1106.75155	2.45777629	15.919422	11.298533	1.2548801	30.9306128	NonEnzymeReg
1.77603884	12.4467905	27.877027	6.9572135	49.05707	270.000482	1959.28782	4417.12441	1124.47693	7770.88965	40.795952	288.341828	646.50565	162.34294	1137.98637	1.15111349	8.1822913	18.259378	4.5873466	32.18013	NonEnzymeReg
1.21135182	17.2536691	22.193378	8.8305199	49.48891	181.123604	2640.0439	3407.2379	1337.90426	7566.30967	27.617391	397.080181	511.408408	202.93867	1139.04466	0.74956459	11.161639	14.424452	5.6982377	32.0338939	NonEnzymeReg

5.554999 64	29.12830 32	11.45619 69	2.190593 04	48.33009 28	830.4983 09	4473.469 42	1752.588 3	377.8340 7	7434.390 1	127.7723 84	672.7644 13	263.3314 59	51.60755 65	1115.475 81	3.671440 8	19.09824 69	7.277953 09	1.386676 18	31.43431 7	NonEnzyme Reg
2.259099 24	13.49759 1	27.42881 69	5.140748 7	48.32625 58	349.7141 58	2158.534 79	4245.694 55	766.8820 48	7520.825 55	52.22374 05	314.3833 53	634.1313 98	117.7757 47	1118.514 24	1.502262 24	9.043837 58	17.99533 42	3.271094 43	31.81252 84	NonEnzyme Reg
1.703070 73	11.74389 33	28.02071 65	7.489921 16	48.95760 17	297.4533 66	1938.934 41	4448.866 57	1182.057 15	7867.311 49	40.53531 43	274.9287 86	649.6601 57	173.0815 22	1138.205 78	1.177944 43	7.794909 41	18.25975 3	4.762124 5	31.99473 13	NonEnzyme Reg
1.928928 83	13.27104 34	27.23336 97	6.137069 08	48.57041 1	289.2350 37	2064.988 66	4266.727 57	963.0631 98	7584.014 46	44.36362 9	307.3929 97	631.3800 36	141.9795 47	1125.116 21	1.259506 54	8.721344 5	17.85629 17	3.973338 51	31.81048 13	NonEnzyme Reg
1.864978 52	10.95863 85	22.40721 33	12.34086 63	47.57169 67	271.5426 92	1660.476 69	3401.491 48	1856.300 24	7189.811 11	42.54884 46	252.0770 23	515.0549 08	282.7935 36	1092.474 31	1.178483 53	7.061751 13	14.42037 91	7.854833 77	30.51544 75	NonEnzyme Reg
2.319587 78	11.70683 33	27.47898 01	7.058195 34	48.56359 65	345.7065 44	1792.647 85	4287.443 29	1079.561 37	7505.359 06	53.38492 99	269.8197 76	634.8867 68	162.3780 55	1120.469 53	1.537112 5	7.673003 86	17.88396 23	4.565174 76	31.65925 35	NonEnzyme Reg
2.102776 22	19.05105 08	20.36093 17	6.680342 99	48.19510 17	311.5774 53	2756.837 39	2969.378 82	1002.635 16	7040.428 83	48.06721	434.2291 88	464.5932 94	152.6121 17	1099.501 81	1.357556 62	12.20885 62	12.87170 78	4.157315 36	30.59543 6	NonEnzyme Reg
2.019953 9	16.68331 48	27.68873 96	2.343087 22	48.73509 55	310.4959 92	2582.088 87	4269.200 72	358.8317	7520.617 28	46.68934 24	385.3551 71	638.9675 2	54.01073 56	1125.022 77	1.328875 16	10.89315 6	18.07251 25	1.524625 81	31.81916 95	NonEnzyme Reg
1.644115 19	18.37601 88	17.91432 87	9.392569 12	47.32703 18	265.5370 89	2985.152 75	2916.772 57	1441.206 51	7608.668 91	38.29419 29	428.8998 5	418.5027 37	216.3108 93	1102.007 67	1.092531 63	12.17532 39	11.91380 99	6.054979 14	31.23664 46	NonEnzyme Reg
8.730105 26	23.78868 2	12.78564 21	3.255174 79	48.55960 42	1315.065 6	3635.157 51	1916.863 21	487.1144 69	7354.200 79	200.2756 59	547.5958 84	293.1090 4	74.15101 24	1115.131 6	5.662484 91	15.43217 38	8.279694 87	2.022775 83	31.39712 94	NonEnzyme Reg
2.368512 41	15.89782 57	28.03815 43	1.813255 01	48.11774 74	372.5421 09	2467.569 81	4252.763 49	275.2149 77	7368.090 39	54.96595 25	368.0398 09	644.0647 26	41.57224 13	1108.642 73	1.561063 62	10.45187 79	17.93138 3	1.144918 46	31.08924 3	NonEnzyme Reg
2.169568 39	10.70005 44	24.84343 25	9.637912 84	47.35096 81	343.6153 51	1657.877 49	3727.145 1	1442.019 44	7170.657 38	50.42567 12	247.5200 23	570.6874 9	220.8903 16	1089.523 5	1.442525 22	7.027927 82	16.05175 21	6.120508 24	30.64271 34	NonEnzyme Reg
4.582929 2	23.75904 63	15.45908 05	4.332790 38	48.13384 63	659.6317 6	3487.532 36	2274.322 39	635.5387 38	7057.025 25	104.2716 66	542.9174 2	353.5024 91	98.86625 15	1099.557 83	2.937309 65	15.37179 21	9.918377 33	2.775710 98	31.00319 01	NonEnzyme Reg
11.13154 54	12.63488 24	15.55483 17	12.02545 95	51.34671 9	1615.456 18	1829.304 04	2231.002 75	1701.245 48	7377.008 46	253.7254 99	288.0943 48	353.2210 9	272.2592 25	1167.300 16	7.216052 42	8.208253 45	9.908619 48	7.551162 41	32.88408 78	NonEnzyme Reg
1.960620 04	13.95502 46	24.96208 42	7.036447 7	47.91417 65	311.9748 59	2181.325 78	3844.933 15	1035.432 8	7373.666 6	45.78337 91	323.9507 18	576.6608 5	160.8895 31	1107.284 48	1.307793 77	9.264282 72	16.38518 11	4.520604 64	31.47786 22	NonEnzyme Reg
2.375732 4	14.68993 61	21.96580 09	6.702243 94	45.73371 33	344.2595 42	2238.026 15	3330.714 55	1001.416 35	6914.416 59	54.03591 11	337.8474 14	504.2647 02	153.1976 52	1049.345 68	1.512206 13	9.554619 2	14.11990 48	4.235413 32	29.42214 35	NonEnzyme Reg
1.824976 06	11.05328 41	24.25485 58	13.37455 7	50.50767 3	285.5523 1	1719.413 28	3750.066 47	2059.271 14	7814.303 2	42.20220 05	255.8989 46	561.6005 27	309.3077 76	1169.009 45	1.192050 29	7.266352	16.04239 88	8.805720 14	33.30652 12	NonEnzyme Reg
1.094362 31	18.72397 47	18.14843 28	9.335061 93	47.30183 17	169.5257 49	2930.551 2	2829.737 15	1423.183 73	7352.997 83	25.37126 75	435.6016 45	422.1391 09	215.5198 75	1098.631 9	0.735697 78	12.54773 09	12.07349 64	6.022218 54	31.37914 36	NonEnzyme Reg
2.075012 4	21.78372 35	22.57030 17	3.567974 48	49.99701 21	308.0924 7	3248.035 34	3378.223 6	567.7252 39	7502.076 65	47.35248 76	497.3956 49	515.7322 59	82.23423 03	1142.714 63	1.331028 92	13.84038	14.20943 63	2.199954 58	31.58079 97	NonEnzyme Reg
3.248960 21	26.75098 27	17.87821 95	1.360826 2	49.23898 86	491.9788 66	4016.864 56	2678.389 52	219.0115 34	7406.244 48	74.68565 56	614.0378 25	409.5621 94	31.46559 66	1129.751 27	2.125260 48	17.34553 32	11.50338 32	0.866813 71	31.84099 06	NonEnzyme Reg
1.887364 49	12.27983 2	25.07174 5	11.48436 31	50.72330 45	298.6251 59	1913.803 36	3876.470 37	1737.255 9	7826.154 78	43.79485 05	284.1080 79	578.5197 84	263.4330 63	1169.855 78	1.236208 94	8.082493 51	16.37224 91	7.349040 41	33.03999 2	NonEnzyme Reg
4.488596 13	18.75181 18	18.27238 15	7.583695 69	49.09648 51	676.1582 06	2901.884 92	2812.306 07	1138.740 02	7529.089 22	102.8730 63	432.3629 17	420.7091 69	173.3687 26	1129.313 87	2.912457 65	12.20217 39	11.86537 88	4.816226 61	31.79623 7	NonEnzyme Reg
2.553154 12	16.38802 22	15.17091 41	15.98779 37	50.09988 41	386.9998 06	2447.162 45	2257.124 03	2407.842 48	7499.128 76	58.68714 24	375.8729 34	347.8890 77	367.0764 88	1149.525 64	1.647692 16	10.52279 14	9.720302 91	10.23897 01	32.12975 65	NonEnzyme Reg
0	11.12153 02	28.67536 48	9.755359 79	49.55225 48	0	1587.335 69	4103.316 5	1393.406 2	7084.058 39	0	252.5279 59	651.9443 13	221.5357 57	1126.008 03	0	7.077323 73	18.09619 93	6.134922 94	31.30844 6	NonEnzyme Reg
1.925991 34	11.05665 21	22.92214 44	12.20089 58	48.10568 36	273.1561 21	1586.692 36	3382.655 92	1792.013 13	7034.517 53	43.64126 28	251.4304 01	523.9921 21	278.4735 98	1097.537 38	1.207891 93	7.065488 56	14.83285 4	7.815816 94	30.92205 14	NonEnzyme Reg
2.724027 83	13.87058 11	20.49084 69	11.46685 77	48.55231 35	423.8415 71	2139.679 78	3133.337 1	1760.235 86	7457.094 3	62.71448 41	319.7255 79	472.2016 88	264.0705 97	1118.712 35	1.741830 41	8.986866 22	13.28622 49	7.336019 54	31.35094 1	NonEnzyme Reg
8.019814 07	15.56809 22	10.43969 45	15.62075 84	49.64835 91	1184.450 67	2295.750 73	1571.999 11	2323.714 28	7375.914 79	184.4100 59	357.3077 39	241.3185 71	359.8167 61	1142.853 13	5.291827 96	10.15726 09	6.881433 11	10.13507 21	32.46559 4	NonEnzyme Reg
4.925790 77	18.76170 48	17.76150 99	5.880594 81	47.32960 02	717.0512 83	2660.281 39	2518.529 73	835.4032 77	6731.265 68	112.0809 81	425.3138 91	402.6056 05	133.1912 77	1073.191 75	3.153723 7	11.96940 16	11.28969 56	3.668291 31	30.08111 22	NonEnzyme Reg
1.339812 64	16.03585 02	29.85835 14	1.853675 92	49.08769 01	221.6030 34	2575.734 22	4755.735 14	310.6152 37	7863.687 64	31.48684 96	373.8014 87	694.5859 87	43.57410 85	1143.448 43	0.903591 77	10.69609 24	19.71228 66	1.211055 22	32.52302 6	NonEnzyme Reg
3.471266 74	15.47901 53	23.08533 81	5.006664 23	47.04228 44	554.5057 73	2403.288 76	3542.490 28	745.8936 67	7246.178 48	81.03149 23	358.0477 1	531.8919 61	114.6188 44	1085.590 01	2.332376 66	10.09668 6	14.89403 1	3.190439 42	30.51353 31	NonEnzyme Reg
5.909827 73	24.69902 47	13.48584 93	2.929659 57	47.02436 13	902.7458 19	3607.864 12	1978.608 35	414.2357 04	6903.453 99	136.1688 52	562.8645 47	307.5927 41	66.39576 52	1073.021 91	3.888893	15.65450 29	8.470000 04	1.871824 85	29.88522 08	NonEnzyme Reg

2.28469624	13.9544749	23.2751032	7.89221707	47.4064914	345.763136	2119.14655	3543.64535	1185.71573	7194.27076	52.3211487	320.554696	535.67068	180.943492	1089.49002	1.46006396	8.98257138	15.0693543	5.05662934	30.568619	NonEnzymeReg
0.90772488	15.4821458	20.9998192	11.4288127	48.8185025	146.143076	2419.08847	3223.20699	1698.31526	7486.7538	21.2104559	359.080813	484.97938	261.7793	1127.04995	0.61257526	10.2430521	13.7476839	7.35216182	31.9554731	NonEnzymeReg
3.82825722	21.6688281	16.0424391	6.28371556	47.8232399	586.586483	3364.81731	2444.22004	958.173879	7353.79771	88.360791	500.482638	369.49149	143.90312	1102.24579	2.52398365	14.0712231	10.4081271	3.94257213	30.9459059	NonEnzymeReg
0.29993596	10.4450405	24.4722772	12.7772097	47.9944634	45.4811381	1608.02917	3781.93077	1962.53521	7397.9763	6.91240635	241.21811	565.02173	294.60007	1107.7548	0.19819719	6.9152245	16.0812153	8.37308991	31.567727	NonEnzymeReg
2.49921353	13.6967078	25.962358	8.10843479	50.2667141	384.533624	2161.1828	4032.31967	1208.46578	7786.50187	57.6771401	318.069533	601.01456	185.546696	1162.30793	1.62629774	9.1066335	17.0819685	5.17304794	32.9879472	NonEnzymeReg
1.63170788	12.2087346	23.9862333	10.8073472	48.6340229	245.545244	1893.46392	3781.42572	1643.35716	7563.79204	37.7580322	282.822087	556.41708	248.631638	1125.62347	1.08480798	8.070587	15.7559312	6.88577983	31.797106	NonEnzymeReg
2.56029705	15.6752269	24.4370828	5.60716881	48.2797756	392.970911	2400.49993	3695.51326	829.772789	7318.75688	59.1862375	361.672987	562.01102	128.355359	1111.22569	1.67542596	10.2063235	15.7707963	3.61348606	31.2660318	NonEnzymeReg
2.55000487	15.4871359	19.7324161	10.7843093	48.5538661	402.041079	2433.24245	2987.78043	1653.97242	7477.03639	59.3039822	359.545735	454.35756	248.55721	1121.76268	1.63899502	9.9917793	12.7633554	6.98019127	31.374321	NonEnzymeReg
1.93581673	23.3393294	17.9137974	3.72577637	46.9147199	291.271058	3595.29265	2672.41555	522.912098	7081.89136	44.7321639	540.774992	412.18643	84.5852164	1082.2788	1.28799363	15.3867373	11.5651442	2.30564188	30.545517	NonEnzymeReg
1.55689374	8.45055708	22.2838349	15.9714797	48.2627654	255.916021	1374.79282	3521.2767	2462.35113	7614.33667	36.7674292	198.47896	518.49062	368.97021	1122.71377	1.08666469	5.7758471	14.808132	10.3421612	32.0128051	NonEnzymeReg
7.64153782	15.4355138	18.5986401	9.86602527	51.5417179	1156.80353	2389.32066	2942.86677	1527.89168	8016.88264	175.72177	356.628621	431.69154	227.51861	1191.56049	4.97121262	10.1223926	12.2573728	6.36323195	33.7142095	NonEnzymeReg
2.62352218	15.5683319	26.0710276	4.90884879	49.1717305	407.311571	2455.03968	4143.6965	801.962293	7808.01004	60.9004942	362.07582	605.57458	114.69245	1143.24313	1.74607335	10.3068654	17.0152165	3.21876557	32.2869208	NonEnzymeReg
1.41917442	10.7457711	26.6910888	9.77539036	48.6314239	206.751875	1615.34092	4082.0064	1486.03264	7390.13184	32.4236178	246.665447	614.70945	224.62738	1118.42589	0.91571832	6.9586529	17.2061618	6.22463783	31.3051709	NonEnzymeReg
3.17462911	19.9659477	22.1648728	4.36461867	49.6700682	476.229609	3018.40357	3389.13726	653.448915	7537.21936	73.2472239	459.336786	509.86197	99.851588	1142.29757	2.08872618	12.9123763	14.1783476	2.74610723	31.9255573	NonEnzymeReg
3.01383898	18.0989622	18.5675842	7.51777599	47.1981614	469.227635	2798.0934	2823.19266	1125.738	7216.25169	69.9542775	418.323202	427.94008	172.46053	1088.6781	2.00012808	11.8034965	12.0902783	4.82412533	30.7180282	NonEnzymeReg
2.33178721	16.115905	22.8093167	5.76078209	47.017791	343.124589	2446.52256	3523.12041	908.052577	7220.82014	53.346112	370.649669	527.07526	133.85152	1084.92257	1.50164776	10.5105872	14.9651098	3.83972568	30.8170705	NonEnzymeReg
7.25749651	18.3588956	15.9205852	8.63666448	50.1736386	1122.55844	2831.82673	2469.15491	1314.49949	7738.03956	167.32636	422.856591	366.01618	197.35372	1153.55293	4.70547736	11.8449802	10.0887779	5.32934829	31.9685837	NonEnzymeReg
3.42708839	19.9741018	17.3295265	8.02270759	48.7534243	525.732832	3018.84733	2619.44409	1207.66967	7371.69392	79.2709839	460.268977	398.93504	184.41630	1122.89131	2.28091961	13.1105846	11.3216557	5.13880031	31.8519629	NonEnzymeReg
1.36902581	12.6161907	24.8973866	9.72099702	48.6036001	220.793491	2021.59509	4013.15233	1544.76115	7800.30206	31.9415201	293.650434	580.48534	225.80074	1131.87805	0.91713399	8.3639342	16.4510299	6.35752102	32.0896189	NonEnzymeReg
0.46394976	8.71556178	23.5011585	17.6454296	50.3260996	75.7447571	1390.18147	3702.74978	2649.78086	7818.45686	10.9478196	203.405681	545.86244	405.00994	1165.22609	0.32053199	5.8865742	15.7264599	11.4920519	33.4256181	NonEnzymeReg
7.11502222	33.3325013	7.09192279	0.7066676	48.2461139	1115.72068	5071.08082	1047.02372	108.69482	7342.51981	165.271815	768.778162	162.17995	16.336869	1112.56673	4.72236615	21.8020543	4.54911729	0.46769332	31.541231	NonEnzymeReg
9.26289114	10.4016316	7.70745635	10.4037267	37.7757061	1378.50466	1549.28101	1145.81627	1551.65382	5625.25576	212.736025	238.919187	176.92609	239.06418	867.645404	5.94625944	6.7468331	5.00251511	6.78154801	24.4771589	NonEnzymeReg
1.59717956	18.4519608	24.6968331	3.87909585	48.6250693	227.379556	2721.98082	3633.17289	584.267984	7166.80125	36.3864259	421.881138	564.38794	89.035783	1111.69124	1.03878803	11.8378751	15.8122686	2.49046603	31.1793977	NonEnzymeReg
4.03382281	23.7145679	18.9798988	2.48097959	49.2092691	594.399497	3569.38941	2876.73279	353.478581	7394.00028	92.1802319	544.25216	434.97072	56.270335	1127.67345	2.62242883	15.3762183	12.0384657	1.56771487	31.6048277	NonEnzymeReg
5.83956824	25.0088622	13.2675987	3.90070323	48.0167323	885.560428	3873.82824	2044.67776	562.173116	7366.23955	134.233302	578.584063	306.38172	88.561511	1107.76019	3.78985732	16.5067249	8.68285294	2.46585186	31.44528	NonEnzymeReg
3.65478332	17.5261168	20.7564903	4.28590492	46.2232952	589.839332	2744.36631	3196.33372	643.538399	7174.07776	85.2611561	405.598527	479.21241	98.487198	1068.55932	2.42838711	11.395619	13.50634	2.75314891	30.0834949	NonEnzymeReg
4.56541439	20.9903008	17.1573664	6.01137279	48.7244539	689.201692	3248.63228	2619.07446	890.335841	7447.24428	105.125435	484.915374	395.24508	137.01458	1122.3004	2.97951488	13.6285963	11.1214949	3.76399314	31.4935992	NonEnzymeReg
1.93479972	13.8704984	26.7651421	4.93802946	47.5084697	309.750097	2158.92039	4019.39179	752.63411	7240.69639	45.0582973	320.88708	615.23329	113.83773	1095.01634	1.27538002	9.0899206	17.323963	3.17576861	30.8650325	NonEnzymeReg
2.69111842	14.6889574	19.7630559	10.5055756	47.6487073	416.864912	2216.80746	2908.26182	1515.23199	7057.16618	62.2912456	337.670184	451.05832	238.64053	1089.66028	1.79493336	9.6242836	12.6130185	6.58059833	30.6128334	NonEnzymeReg
2.05358911	10.1646354	27.9616587	7.72941608	47.9092992	315.02728	1583.15041	4370.28698	1197.30395	7465.76862	47.4927228	235.535235	646.90002	178.47419	1108.40368	1.33587677	6.6484262	18.1375891	5.01403953	31.135932	NonEnzymeReg
3.01397578	15.2016981	24.225072	7.48921381	49.9299597	477.454485	2403.27689	3756.0215	1137.5324	7774.28527	70.0341697	352.943371	559.36183	171.97823	1154.31761	2.01657891	10.0728513	15.7437236	4.79013729	32.6232911	NonEnzymeReg

2.98541277	15.2804644	25.696383	4.3981815	48.7317764	475.369473	2402.83169	3954.6541	670.052176	7561.60224	69.4175318	354.561489	593.594912	101.038249	1127.26205	1.97744649	10.0846046	16.8362108	2.77418735	31.9063237	NonEnzymeReg
1.73580665	16.4321092	25.4242612	5.1706432	48.7628203	278.63992	2597.70744	3908.22798	769.4520	7554.02738	40.3989266	381.840805	586.655197	118.49712	1127.39264	1.14103162	10.8628385	16.4651247	3.29607745	31.7650722	NonEnzymeReg
0	6.9036078	28.2030252	9.7701325	44.8767596	0	1037.45964	4245.79109	1454.06659	6737.31731	0	158.549175	648.348008	224.56198	1031.45917	0	4.4329253	17.971962	6.22065183	28.6255391	NonEnzymeReg
2.1834099	15.4120915	23.6302927	5.8007258	47.0265199	349.999642	2409.78032	3628.92776	885.180322	7273.88805	51.1049468	357.326955	544.720422	133.60741	1086.75974	1.48924739	10.2118655	15.335229	3.72427536	30.7606172	NonEnzymeReg
2.98704388	15.2447121	20.3680746	10.425318	49.0251486	461.236851	2365.44359	3122.24242	1597.47481	7546.39767	68.9113792	352.575409	469.73251	240.43949	1131.6588	1.93296547	10.0076095	13.293203	6.73625141	31.9700294	NonEnzymeReg
4.46523451	34.1045488	8.5941956	1.8741819	49.0381608	678.731976	5242.29719	1272.66639	274.424495	7468.12005	102.921294	787.311768	196.503105	42.523690	1129.25986	2.97262012	22.3356566	5.4474327	1.16565809	31.9213676	NonEnzymeReg
0	6.6981906	30.9730995	13.401503	51.0727905	0	1068.89335	4902.74851	2107.39086	8079.03273	0	155.882946	718.366619	309.73052	1183.98009	0	4.4895235	20.321345	8.68546104	33.4963304	NonEnzymeReg
0.98514734	9.5166165	25.133799	11.973998	47.7599789	161.35941	1530.85241	3871.02632	1833.55852	7419.37149	23.091541	222.403974	580.348549	276.04742	1105.34711	0.66451577	6.4257714	16.371463	7.72583895	31.2849223	NonEnzymeReg
3.555966	20.1424364	21.226409	5.3927891	50.3176005	551.001854	3202.08971	3299.82415	815.349399	7868.26511	82.4227517	469.210272	492.033157	124.12616	1167.79235	2.37184968	13.494934	13.922843	3.48651368	33.2761412	NonEnzymeReg
1.9278898	12.1474749	21.157812	13.346663	48.9142419	275.59157	1802.42297	3171.30314	1989.89514	7289.54474	43.893780	278.162684	486.193934	306.01131	1121.99468	1.21551054	7.7507255	13.669027	8.49516668	31.3484225	NonEnzymeReg
7.73232161	30.3408056	6.0653767	3.3061304	47.4446344	1122.37723	4588.68359	913.336369	494.583385	7118.98057	175.963148	694.282659	138.730602	75.455895	1084.4323	4.93980006	19.147328	3.8105416	2.06959609	29.9672669	NonEnzymeReg
4.27270646	27.6966764	13.969144	4.7656738	50.704201	679.298055	4306.31262	2150.6218	804.931842	7941.16431	99.540433	642.64114	322.754299	112.30793	1177.24381	2.89232192	18.544032	9.1329279	3.18919455	33.7584769	NonEnzymeReg
2.40708977	24.9281177	15.096993	5.5570982	47.9892994	375.3962	3977.86643	2375.645	849.119969	7578.0276	55.824345	579.369172	349.616155	127.80547	1112.61516	1.60714164	16.450558	9.8334057	3.54995542	31.4410615	NonEnzymeReg
2.24989975	15.2646178	26.004705	4.2307106	47.749934	338.411368	2281.79912	3960.0673	649.548466	7229.82625	51.625382	350.824543	598.322042	97.635690	1098.40766	1.46365584	9.9263985	16.688156	2.70459637	30.7828076	NonEnzymeReg
1.48347754	15.0393798	20.154834	10.218698	46.89639	222.807728	2264.80521	2977.39589	1480.99575	6946.00458	34.179104	345.876769	460.642562	232.02981	1072.72825	0.96096187	9.7902642	12.968233	6.42230943	30.1417686	NonEnzymeReg
2.53952693	19.9442148	19.564375	5.8097746	47.8578919	379.953689	3072.71651	3031.71732	865.562994	7349.95051	58.611471	460.328896	451.83258	132.86448	1103.63743	1.64987774	12.85538	12.591509	3.66077084	30.7575385	NonEnzymeReg
4.92579077	18.7617048	17.761509	5.8805948	47.3296002	717.051283	2660.28139	2518.52973	835.403277	6731.26568	112.08094	425.313891	402.605605	133.19127	1073.19175	3.15372377	11.969401	11.289695	3.66829131	30.0811122	NonEnzymeReg
2.26307333	13.0045083	24.297296	7.9651757	47.5300541	320.371177	1894.71077	3617.61407	1170.88239	7003.57841	51.361283	296.697948	556.717565	181.79015	1086.56695	1.43260097	8.3516544	15.705480	5.09608504	30.5858209	NonEnzymeReg
2.87748912	15.1399558	23.340152	5.7828163	47.1404138	443.000971	2275.59256	3471.23002	853.636641	7043.46019	66.418381	347.310324	533.759483	131.84069	1079.32888	1.90754659	9.7984575	14.911035	3.66617588	30.2832155	NonEnzymeReg
3.77286677	22.5955733	15.415705	4.8506109	47.183844	582.485885	3479.41941	2377.51319	736.335816	7256.56648	87.443678	523.079082	355.712281	111.83478	1090.60986	2.45310773	14.585577	9.8387299	3.12710023	30.3530855	NonEnzymeReg
5.46472479	31.484444	7.5796907	1.8358950	46.364754	840.5291	4711.90364	1139.3781	267.890483	6959.70133	126.32702	722.413241	173.996726	41.942741	1064.6797	3.58745317	20.340862	4.8894942	1.18721418	30.0050228	NonEnzymeReg
2.03430153	16.4271272	21.547990	8.7456860	48.7551051	316.007199	2538.97253	3385.12934	1340.39641	7580.50547	46.948956	378.88915	498.883464	201.06809	1125.78966	1.32218518	10.666408	14.048359	5.61229328	31.6492459	NonEnzymeReg
8.3467784	13.7864857	15.952545	9.6624068	47.7482167	1234.91804	2106.88161	2385.25613	1419.7038	7146.75959	190.61733	317.349396	365.138322	220.25028	1093.35534	5.27917983	8.8946757	10.21337	6.11147852	30.4987087	NonEnzymeReg
3.35228576	17.6564257	20.831587	8.3965087	50.2368079	608.020768	3111.78468	3503.58381	1345.26636	8568.65561	80.878924	422.286583	490.521216	195.30504	1188.99177	2.38597224	12.316837	14.070794	5.48143035	34.2550397	NonEnzymeReg
1.57796596	7.6474113	24.423687	14.361621	48.010686	255.467064	1209.4564	3892.74889	2249.6109	7607.28325	36.649317	177.707269	568.682465	332.82731	1115.86636	1.01774397	5.0355213	16.156068	9.39322081	31.6025555	NonEnzymeReg
1.70593945	6.7690447	26.311360	13.361585	48.14793	252.40055	1023.96885	3978.25168	2008.30098	7262.92206	39.185301	155.944474	605.242471	306.54421	1106.91646	1.12479231	4.4678519	17.084573	8.55978196	31.2370001	NonEnzymeReg
3.9022467	21.5117765	18.740715	5.1715097	49.326248	576.909664	3214.22829	2782.99415	734.405729	7308.53783	89.380613	493.175255	429.099115	117.19165	1128.84659	2.55028951	13.877791	12.093904	3.24172205	31.763691	NonEnzymeReg
2.00095682	7.5357708	26.894449	12.073501	48.5046795	291.384252	1116.43821	4099.77467	1863.02221	7370.61934	45.723817	172.66877	619.546479	278.82551	1116.76459	1.31305166	4.9166978	17.530305	7.82051104	31.5805655	NonEnzymeReg
9.52097917	21.7575617	13.475741	4.1232495	48.877531	1470.17321	3440.80681	2041.34749	622.131403	7574.45892	219.27497	504.331827	309.067172	94.079903	1126.75387	6.17349561	14.214167	8.59235805	2.55130439	31.531325	NonEnzymeReg
2.28531283	18.5025009	20.699825	7.5069134	48.994553	336.314097	2767.5745	3148.99287	1120.64246	7373.52392	52.197377	424.083437	475.45361	171.55097	1123.2854	1.48279101	11.872706	13.259786	4.70343316	31.3187179	NonEnzymeReg
11.9580746	11.7978607	12.838672	13.285218	49.879825	1819.60363	1801.34404	1894.02643	1944.60301	7459.57711	274.11608	270.977541	292.644518	302.05307	1139.79122	7.52539892	7.4941212	8.07969513	8.42218318	31.5213985	NonEnzymeReg

5.848802 3	26.69264 33	9.882286 58	7.098831 3	49.52256 35	889.9658 87	4081.833 31	1582.994 72	1064.254 11	7619.048 03	133.7023 32	612.9866 04	229.5295 57	162.3877 58	1138.606 25	3.671006 41	17.09986 78	6.459520 32	4.495991 18	31.72638 57	NonEnzyme Reg
2.722046 14	16.90074 84	25.08931 1	4.837549 97	49.54965 54	431.0458 05	2667.933 49	3976.252 88	745.4160 3	7820.648 2	63.28371 59	392.5748 17	582.9481 91	111.5553 32	1150.362 06	1.799042 28	11.20527 64	16.56735 62	3.140193 55	32.71186 85	NonEnzyme Reg
1.608595 85	8.637301 53	21.40993	16.54509 32	48.50930 11	253.3018 13	1364.668 42	3378.901 1	2586.581 06	7630.207 46	37.26097 12	200.9297 45	497.4072 9	383.4501 82	1126.132 86	1.044594 3	5.702789 7	14.09596 83	10.82623 39	31.86735 09	NonEnzyme Reg
10.81735 98	11.06492 4	10.30790 59	10.44443 6	42.63462 57	1561.854 51	1579.022 98	1502.052 78	1538.281 78	6181.212 05	244.2524 08	249.6156	233.1562 3	236.7462 45	963.7704 82	6.323979 06	6.553948 05	6.067928 62	6.169645 15	25.11550 09	NonEnzyme Reg
1.918809 93	9.312648 27	25.29989 69	11.08376 55	47.61512 06	305.2173 48	1412.592 79	3872.781 12	1699.207 2	7289.798 45	44.77212 1	214.7743 82	583.2803 54	255.2629 85	1098.089 84	1.301168 21	6.147461 41	16.51761 82	7.147832 73	31.11408 06	NonEnzyme Reg
1.867453 79	10.91800 64	24.47365 48	10.30596 23	47.56507 73	279.9693 6	1644.282 04	3685.515 16	1547.744 78	7157.511 34	42.78573 45	250.7773 15	562.0387 4	236.3255 55	1091.927 35	1.184841 4	7.070519 93	15.89269 7	6.617453 1	30.76551 15	NonEnzyme Reg
1.516458 89	10.86861 15	21.63443 73	13.69429 84	47.71380 61	232.4821 87	1642.640 2	3242.953 1	2020.384 49	7138.459 97	34.89680 12	249.7614 71	496.3581 54	312.9818 68	1093.998 29	0.970833 05	7.040064 58	14.04900 04	8.802843 86	30.86274 19	NonEnzyme Reg
2.518237 32	15.17515 67	20.80525 78	11.55485 28	50.05350 46	377.2899 94	2346.839 52	3217.988 29	1733.398 78	7675.516 58	57.89905 62	351.0378 75	480.9250 93	265.5778 21	1155.439 85	1.643465 46	10.05509 79	13.66936 17	7.495628 94	32.86355 4	NonEnzyme Reg
3.081201 05	15.60169 37	21.33662 86	7.554316 15	47.57383 95	473.2026 08	2427.479 81	3217.337 4	1160.139 33	7278.159 14	71.16599 67	361.2259 33	490.0618 47	174.1660 1	1096.619 79	2.022460 77	10.26907 15	13.78227 79	4.897390 4	30.97120 06	NonEnzyme Reg
5.839568 24	25.00886 22	13.26759 87	3.900703 23	48.01673 23	885.5604 28	3873.828 24	2044.677 76	562.1731 16	7366.239 55	134.2333 02	578.5840 63	306.3812 72	88.56155 11	1107.760 19	3.789857 32	16.50672 49	8.682852 94	2.465851 86	31.44528 7	NonEnzyme Reg
3.285429 15	20.23777 06	23.44893 01	2.347531 8	49.31966 16	517.0913 93	3162.024 33	3675.953 82	370.0264 77	7725.096 03	76.17074 29	468.2080 88	542.1700 51	54.36003 83	1140.908 92	2.160185	13.24123 32	15.18248 54	1.511746 22	32.09564 99	NonEnzyme Reg
1.979828 56	21.51462 75	22.00852 36	2.891630 25	48.39460 99	311.6925 06	3287.145 94	3314.334 91	418.8275 73	7332.000 93	46.10819 76	496.3349 01	505.3687 43	65.67998 25	1113.491 82	1.337144 7	14.06332 78	14.14344 46	1.803652 82	31.34756 99	NonEnzyme Reg
1.803752 5	18.49074 35	22.19162 62	5.065779 78	47.55190 2	279.0917 91	2802.162 04	3319.041 39	753.7670 44	7154.062 26	41.78023 51	426.1038 02	509.7089 2	116.1609 46	1093.753 9	1.201494 77	12.18097 26	14.32683 16	3.258463 27	30.96776 22	NonEnzyme Reg
4.181647 37	11.18498 4	24.61229 2	8.254944 26	48.23386 76	659.3854 52	1669.956 98	3677.739 89	1251.635 37	7258.717 7	97.16603 09	256.2887	562.8729 42	189.3106 71	1105.638 34	2.812161 72	7.273857 97	15.69465 88	5.239139 24	31.01981 77	NonEnzyme Reg
0	15.47874 56	18.56048 73	12.17757 5	46.21680 79	0	2306.418 35	2779.309 57	1801.234 6	6886.962 52	0	356.8015 71	428.4257 23	280.2787 85	1065.506 08	0	9.969348 08	12.01992 89	7.882885 61	29.87216 26	NonEnzyme Reg
4.716994 76	17.64133 81	20.35845 98	5.898659 89	48.61545 25	717.6739 13	2730.172 92	3245.832 63	962.5559 79	7656.235 45	108.5508 48	407.6787 36	471.9770 71	136.9098 83	1125.116 54	3.093927 72	11.54825 4	13.21427 91	3.768864 32	31.62532 51	NonEnzyme Reg
0.889703 18	9.197993 72	19.50451 71	16.38950 84	45.98172 24	144.4380 63	1490.594 28	2986.999 39	2432.997 73	7055.029 45	20.81117 85	215.8001 25	451.7774 19	377.6086 1	1065.997 33	0.601647 39	6.158051 15	12.78712 96	10.56158 8	30.10841 61	NonEnzyme Reg
1.211351 82	17.25366 91	22.19337 89	8.830519 99	49.48891 98	181.1236 04	2640.043 9	3407.237 9	1337.904 26	7566.309 67	27.61739 15	397.0801 81	511.4084 08	202.9386 75	1139.044 66	0.749564 59	11.16163 95	14.42445 21	5.698237 77	32.03389 39	NonEnzyme Reg
2.209180 18	33.28448 15	9.400955 01	4.454160 57	50.10549 92	332.0792 08	5026.971 61	1362.891 58	668.6411 65	7505.000 09	50.55593 13	762.2354 11	213.7604 76	102.1949 39	1146.238 64	1.425744 24	21.27758 52	5.932607 82	2.882708 73	32.01972 61	NonEnzyme Reg
1.379172 18	10.80727 32	19.76082 7	17.30938 37	49.25665 61	212.3053 39	1672.835 38	3024.898 81	2656.388 44	7566.427 97	31.93646 38	249.6056 82	454.4264 84	397.9016 27	1133.870 26	0.913902 37	7.052021 79	12.71354 47	11.01588 97	31.69535 86	NonEnzyme Reg
2.638825 73	15.70704 24	18.66574 93	9.763950 9	46.77556 83	389.9508 87	2315.441 42	2725.513 37	1397.963 64	6828.869 31	60.41305 5	359.2450 19	425.7562 33	221.4663 2	1066.880 63	1.719556 83	10.16761 37	11.94197 01	6.138438 37	29.96757 9	NonEnzyme Reg
2.827366 19	17.46043 73	22.23374 39	6.964818 27	49.48636 57	432.7565 42	2688.320 61	3417.937 16	1044.041 52	7583.055 83	65.33294 66	403.3598 18	513.0312 68	159.9039 02	1141.627 94	1.865253 76	11.48572 04	14.55584 98	4.517155 85	32.42397 97	NonEnzyme Reg
2.339113 46	22.09102 71	21.65477 87	3.593790 64	49.67870 99	369.8313 56	3493.581 71	3327.801 63	547.5040 8	7738.718 77	54.54762 92	513.7576 54	499.4979 52	82.80200 01	1150.605 24	1.575719 9	14.68555 7	14.08139 12	2.318410 15	32.66107 83	NonEnzyme Reg
3.514833	17.83401 66	20.58795 08	8.380152 02	50.31695 24	549.1826 25	2678.043 72	3118.717 71	1279.565 26	7625.509 32	81.23836 86	409.3480 49	473.1148 84	192.5204 84	1156.221 79	2.308789 25	11.61748 67	13.26030 22	5.349086 37	32.53566 45	NonEnzyme Reg
11.95807 46	11.79786 07	12.83867 2	13.28521 8	49.87982 52	1819.603 63	1801.344 04	1894.026 43	1944.603 01	7459.577 11	274.1160 84	270.9775 41	292.6445 18	302.0530 75	1139.791 22	7.525398 92	7.494121 22	8.079695 13	8.422183 18	31.52139 85	NonEnzyme Reg
7.882228 43	26.13915 36	10.75183 3	1.471319 34	46.24453 44	1209.058 23	3961.898 87	1622.819 96	203.0633 37	6996.840 4	182.1037 19	601.6480 91	246.7464 03	33.11947 25	1063.617 69	5.260517 37	17.17918 78	6.929688 57	0.898217 92	30.26761 17	NonEnzyme Reg
12.23956 1	15.61088 4	15.16501 36	12.52984 12	55.54529 97	1981.640 71	2561.906 22	2475.444 81	2058.984 88	9077.976 63	286.4922 53	366.3211 03	355.7272 46	293.8394 6	1302.380 06	8.301536 53	10.64707 64	10.37115 81	8.519464 21	37.83923 53	NonEnzyme Reg
4.377753 65	26.44029 09	16.12805 33	0.899183 35	47.84528 12	684.0500 64	3963.127 51	2425.366 01	144.9054 15	7217.449	101.4416 43	607.3929 38	369.9410 44	21.01624 7	1099.791 87	2.926418 22	17.13767 56	10.28001 91	0.571241	30.91535 38	NonEnzyme Reg
1.374729 24	14.42110 65	22.15117 55	10.54572 25	48.49273 38	203.6133 83	2224.826 39	3401.746 89	1606.395 22	7436.581 88	31.50754 58	333.0985 11	510.3287 51	242.8903 27	1117.825 14	0.903650 93	9.472007 01	14.35498 81	6.812307 88	31.54295 39	NonEnzyme Reg
1.314142 11	7.010199 31	23.61870 32	13.07407 65	45.01712 11	212.7181 62	1098.393 9	3602.811 78	1872.500 31	6786.424 14	30.64770 29	162.8087 59	545.7578 22	297.3868 22	1036.601 11	0.874902 62	4.678517 75	15.57610 28	8.307730 36	29.43725 35	NonEnzyme Reg
10.19766 34	13.48523 91	12.12518 56	13.61730 69	49.42539 5	1433.321 68	1915.789 89	1764.089 02	2057.636 72	7170.837 3	230.7715 81	306.0439 35	276.3300 79	313.0236 98	1126.169 29	6.460225 54	8.577674 57	7.777490 23	8.807959 37	31.62334 97	NonEnzyme Reg

2.063249 67	14.73881 83	22.13340 21	8.153398 59	47.08886 87	321.9748 53	2254.595 65	3336.491 54	1229.268 77	7142.330 81	47.62994 58	339.4381 45	507.4865 36	187.1340 59	1081.688 69	1.343812 87	9.591788 8	14.17397 43	5.199657 45	30.30923 34	NonEnzyme Reg
1.934799 72	13.87049 84	26.76514 21	4.938029 46	47.50846 97	309.7500 97	2158.920 39	4019.391 79	752.6341 1	7240.696 39	45.05829 73	320.8870 8	615.2332 29	113.8377 33	1095.016 34	1.275380 2	9.089920 66	17.32396 3	3.175768 61	30.86503 25	NonEnzyme Reg
2.061586 93	11.61687 32	26.09520 75	8.490397 5	48.26406 52	326.1844 08	1827.151 59	3982.896 39	1267.079 11	7403.311 49	47.92608 17	269.9922 25	601.4107 4	194.6671 84	1113.996 23	1.378864 83	7.767968 14	17.03265 89	5.488215 19	31.66770 71	NonEnzyme Reg
1.493660 43	17.36048 65	20.13519 3	9.123768 11	48.11310 81	226.5690 62	2681.468 8	3171.518 77	1364.447 74	7444.004 37	34.38441 13	400.8360 97	466.2611 93	208.5416 88	1110.023 39	0.964987 06	11.33437 73	13.12421 01	5.780322 48	31.20389 7	NonEnzyme Reg
2.023875 97	19.95966 56	25.05893 28	3.540747 4	50.58322 18	297.8106 62	2969.679 81	3726.771 11	514.3027 41	7508.564 32	46.31588 02	457.1730 49	573.5179 92	81.21789 84	1158.224 82	1.307395 71	12.72458 77	15.82669 75	2.274801 18	32.13348 21	NonEnzyme Reg
4.235952 45	25.43653 37	17.93315 26	2.084761 03	49.69039 99	677.4501 47	3880.554 42	2708.444 57	314.4842 88	7580.933 42	98.95700 99	585.9782 35	411.0685 99	48.14882 73	1144.152 67	2.884754 93	16.68690 2	11.45941 05	1.377707 86	32.40877 53	NonEnzyme Reg
0.495290 28	18.11690 56	22.01890 72	6.184159 5	46.81526 26	77.92977 41	2736.737 65	3254.075 03	918.8454 07	6987.587 85	11.49097 26	416.6332 42	504.3381 91	141.7148 63	1074.177 27	0.327425 5	11.78944 93	14.20008 54	3.919659 46	30.23661 97	NonEnzyme Reg
1.911991 65	14.45162 15	21.49412	8.938213 43	46.79594 66	299.1136 37	2202.998 91	3275.036 49	1313.313 15	7090.462 18	44.39507 41	333.1491 38	494.4398 12	203.7437	1075.727 72	1.279123 12	9.491583 55	13.86491 41	5.593060 7	30.22868 15	NonEnzyme Reg
1.979037 31	14.77237 09	22.92740 2	6.886545 61	46.56535 58	319.4299 43	2256.191 88	3477.731 91	1037.620 62	7090.974 35	46.22908 02	340.2691 24	526.5937 98	157.5134 86	1070.605 49	1.326978 04	9.583188 49	14.75923 38	4.319379 75	29.98878 01	NonEnzyme Reg
2.666123 97	16.99582 84	21.69918 92	5.633266 28	46.99440 79	389.4652 2	2507.536 73	3314.979 64	867.5392 01	7079.520 79	60.77664 08	387.6728 99	498.5468 76	129.7479 97	1076.744 41	1.709448 33	10.76144 44	13.94930 99	3.629636 11	30.04983 87	NonEnzyme Reg
3.270515 62	17.82911 73	21.58546 03	4.522983 36	47.20807 65	488.1276 97	2699.883 93	3230.707 86	669.1725 63	7087.892 05	74.89439 61	409.1685 73	493.8836 33	103.2865 43	1081.233 14	2.120533 55	11.44805 08	13.67998 25	2.819902 42	30.06846 93	NonEnzyme Reg
3.270574 53	17.61184 8	27.94110 25	1.595700 63	50.41922 57	524.4940 24	2806.321 66	4412.934 89	256.3907 92	8000.141 37	76.49393 76	410.149	647.6707 48	36.91871 77	1171.232 4	2.215108 45	11.78645 58	18.25726 59	1.008731 61	33.26756 17	NonEnzyme Reg
3.107189 08	17.20637 21	18.92177 54	9.609800 76	49.20392 26	484.5148 88	2641.819 87	2938.179 54	1464.905 92	7580.318 63	71.96935 32	396.8958 97	438.2454 77	221.2935 58	1136.543 48	2.085548 67	11.32590 91	12.57080 3	6.265876 3	32.47544 43	NonEnzyme Reg
2.189085 33	17.28109 64	23.28006 21	6.228749 87	48.97899 36	332.4564 3	2626.570 77	3597.012 84	956.4156 43	7512.455 68	50.48032 57	397.7664 65	537.5075 11	143.4915 75	1129.245 88	1.441780 94	11.25616 01	15.21349 92	4.048022 89	31.95946 32	NonEnzyme Reg
7.251779 65	11.68918 23	8.727528 78	11.58113 87	39.24962 95	1081.396 58	1747.723 24	1302.937 84	1727.120 55	5859.178 21	166.6654 63	268.8648 61	200.6507 17	266.1664 49	902.3474 9	4.640847 25	7.509342 58	5.594552 94	7.413305 03	25.15804 78	NonEnzyme Reg
0	17.70323 9	23.36818 37	7.227906 83	48.29932 95	0	2700.653 35	3559.241 47	1133.720 27	7393.615 09	0	407.3767 14	537.2023 11	167.5233 13	1112.102 34	0	11.49605 58	15.08679 07	4.722777 44	31.30562 39	NonEnzyme Reg
7.864985 4	17.70030 22	15.37593 45	3.808184 97	45.06288 68	1109.975 09	2489.617 16	2318.105 5	569.5438 42	6531.106 41	178.1003 3	400.1899 95	352.3434 23	86.74779 35	1024.425 95	4.926289 19	10.96069 45	9.859313 3	2.335755 29	28.26641 06	NonEnzyme Reg
1.971097 26	17.07695 58	21.07469 02	8.424156 07	48.54689 93	311.5420 43	2683.691 68	3284.730 24	1280.219 81	7560.183 77	45.74976 16	396.5981 03	487.8561 18	194.0876 01	1124.291 58	1.292202 83	11.31306 52	13.81588 34	5.507363 09	31.92851 45	NonEnzyme Reg
2.553154 12	16.38802 22	15.17091 41	15.98779 37	50.09988 41	386.9998 06	2447.162 45	2257.124 03	2407.842 48	7499.128 76	58.68714 24	375.8729 34	347.8890 77	367.0764 88	1149.525 64	1.647692 16	10.52279 14	9.720302 91	10.23897 01	32.12975 65	NonEnzyme Reg
1.629522 02	11.70241 98	29.22655 14	6.515799 81	49.07429 31	246.5310 75	1817.468 94	4483.830 58	1005.685 49	7553.516 09	37.56352 61	271.7550 97	675.3360 63	150.6014 98	1135.256 18	1.078859 89	7.838817 15	19.14960 15	4.259984 06	32.32726 26	NonEnzyme Reg
1.569478 78	10.63084 99	24.40665 24	13.09313 43	49.70011 54	255.8827 93	1634.152 28	3715.939 08	1927.912 02	7533.886 17	36.89820 54	245.5215 18	561.5365 86	298.8855 46	1142.841 86	1.093362 46	7.007299 23	15.86284 94	8.317910 28	32.28142 14	NonEnzyme Reg
5.946786 16	20.11566 88	16.15252 62	6.780045 52	48.99502 67	913.1889 76	3086.737 24	2396.480 86	1027.168 2	7423.575 27	137.8132 84	464.9789 08	369.7843 54	156.2670 49	1128.843 59	3.996604 59	13.20964 65	10.40864 14	4.452558 36	32.06745 08	NonEnzyme Reg
9.257712 75	0	16.69231 02	16.05086 8	42.00089 1	1259.171 63	0	2244.306 11	2160.991 13	5664.468 87	208.5709 51	0	374.6704 55	360.0735 85	943.3149 9	6.046692 86	0	10.65822 75	10.16099 55	26.86591 58	NonEnzyme Reg
2.137634 74	14.55901 54	21.46150 43	10.86897 31	49.02712 75	330.7996 79	2251.466 99	3287.339 58	1637.860 94	7507.467 19	49.41804 25	337.0011 08	495.3820 1	249.7033 83	1131.504 54	1.421135 73	9.723192 28	14.19822 53	7.052575 25	32.39512 85	NonEnzyme Reg
2.758878 78	18.02790 36	18.44908 14	7.825086 33	47.06095 01	445.0481 24	2757.127 31	2806.228 58	1149.498 15	7157.902 17	64.57899 8	416.2936 75	425.2751 04	179.4495 1	1085.597 29	1.859871 33	11.84555 56	12.00374 03	5.039360 35	30.74852 75	NonEnzyme Reg
1.737023 24	10.49717 07	23.65167 03	10.22039 63	46.10626 06	261.9935 72	1567.254 58	3486.988 75	1495.280 84	6811.517 75	39.94235 83	240.5782 8	540.4002 37	232.9356 94	1053.856 57	1.115708 65	6.713628 85	15.06920 75	6.468216 25	29.36676 12	NonEnzyme Reg
6.980757 71	25.54304 55	14.06713 9	2.745567 69	49.33650 99	1086.286 93	3913.551 45	2170.367 54	426.8012 41	7597.007 16	161.7313 87	588.7788 61	323.8846 28	63.15675 1	1137.551 63	4.574734 33	16.53344 36	9.015855 05	1.729332 78	31.85336 58	NonEnzyme Reg
2.522191 24	12.01098 49	23.64844 37	7.144868 14	45.32648 8	392.7441 8	1846.509 08	3677.078 36	1131.044 46	7047.376 08	58.41615 65	277.8660 78	548.9357 14	166.0234 34	1051.241 38	1.640169 88	7.751048 09	15.31297 45	4.631401 42	29.33559 39	NonEnzyme Reg
2.199429 91	15.01806 33	22.41206 25	9.022754 64	48.65231 04	328.9540 68	2248.589 88	3404.806 66	1402.497 47	7384.848 08	50.34176 68	343.9288 46	514.2815 89	207.4480 79	1116.000 28	1.430108 25	9.675322 98	14.30542 79	5.672908 03	31.08376 72	NonEnzyme Reg
1.426677 2	11.22467 05	24.53656 35	11.59741 13	48.78532 25	221.3624 46	1752.196 8	3781.430 48	1765.467 84	7520.457 57	32.90546 99	259.3339 16	565.1943 48	266.0425 47	1123.476 28	0.923070 34	7.321552 7	15.87038 65	7.368613 66	31.48362 32	NonEnzyme Reg
1.834703 01	7.752972 74	23.68260 58	12.83179 91	46.10208 07	267.7628 19	1138.039 83	3536.014 71	1924.715 36	6866.532 72	42.02431 06	177.5192 18	542.9960 57	293.6622 95	1056.201 88	1.187826 01	5.043375 19	15.31806 27	8.142740 63	29.69200 45	NonEnzyme Reg

3.13541628	17.8044724	19.6547865	7.56588352	48.1605586	489.137477	2717.75876	2976.07817	1127.65658	7310.63099	72.7585232	410.330711	452.380174	173.40344	1108.87285	2.08164696	11.5543458	12.754434	4.83575808	31.2261848	NonEnzymeReg
0.66952812	12.2585861	22.3379481	13.2274861	48.4935484	106.682683	1874.39771	3372.93358	1965.01139	7319.02536	15.6040334	282.56161	513.113062	302.302071	1113.58053	0.44652996	8.0111641	14.463158	8.42487739	31.3457456	NonEnzymeReg
3.12921831	19.3322311	19.8818095	6.18244129	48.6172874	503.362203	3004.24889	2998.24581	932.106205	7451.91713	73.0184584	447.697795	457.405332	142.104876	1122.32951	2.08758332	12.7370816	12.874252	3.97731421	31.734454	NonEnzymeReg
0.60588847	14.6572769	22.2423215	11.3095004	48.8149873	89.7190528	2199.37542	3363.31562	1679.60979	7332.01989	13.8540457	336.4654	511.697017	259.118159	1121.13462	0.39368324	9.5529440	14.476662	7.23130381	31.6545963	NonEnzymeReg
7.61318833	27.6176101	8.7760741	3.21633647	47.223209	1147.36181	4185.06154	1361.22297	526.107894	7219.7542	174.47883	634.415342	202.557283	75.0431541	1086.49462	4.87898401	17.663168	5.629476	2.15548978	30.3271181	NonEnzymeReg
1.94974904	5.6633994	21.4465903	15.0995548	44.1592936	279.532516	806.136795	3077.90334	2178.69843	6342.27108	44.5715063	129.570606	489.694121	344.42304	1008.25927	1.26398614	3.6339664	13.755914	9.68714527	28.3410107	NonEnzymeReg
1.67182755	13.0986011	22.580374	12.033076	49.3838686	263.138718	2047.67115	3494.26918	1846.52219	7651.60124	38.7765216	303.90138	522.233044	277.152201	1142.06315	1.09256719	8.6537801	14.892684	7.79825505	32.4372898	NonEnzymeReg
0.90009514	20.9582574	20.3919602	6.1632289	48.413541	141.963416	3314.05897	3133.7162	917.845661	7507.58424	20.8718497	486.443656	471.377804	141.341401	1120.03471	0.58962374	13.760041	13.343906	3.93304861	31.6266199	NonEnzymeReg
0.51700905	12.4642313	21.1538218	13.9365943	48.0716564	77.5363519	1835.39756	3111.97902	2083.61354	7108.52647	11.8942731	285.264997	484.025232	319.985751	1101.17025	0.34684312	8.1523357	13.639538	8.99582123	31.1345386	NonEnzymeReg
2.37573244	14.6899361	21.9658009	6.7022439	45.7337133	344.259542	2238.02615	3330.71455	1001.41635	6914.41659	54.0359111	337.847414	504.264702	153.197652	1049.34568	1.51220613	9.5546192	14.119904	4.23541332	29.4221435	NonEnzymeReg
1.34867281	7.9797592	24.8124914	12.6871588	46.8280823	205.217004	1239.6733	3960.31093	2008.49129	7413.69253	31.2382803	186.099439	578.686351	294.571687	1090.59576	0.89354377	5.2580674	16.302469	8.23428592	30.6883669	NonEnzymeReg
2.22459903	21.3201611	23.4245179	1.8854557	48.8547296	355.102719	3343.26359	3634.24396	291.998954	7624.60923	52.0385594	494.972809	541.952538	43.6968423	1132.66075	1.52709566	14.163167	15.297697	1.25033776	32.2382847	NonEnzymeReg
3.40158532	14.1821889	16.7708889	14.4592619	48.8139255	521.549228	2237.71665	2595.97809	2169.126	7524.36997	78.4711216	329.644271	387.814742	331.779866	1127.71	2.24271446	9.4519387	11.041406	9.33277319	32.0688331	NonEnzymeReg
3.75067398	22.4086089	20.9687552	3.1822852	50.3103233	588.200424	3356.17015	3183.59332	494.852884	7622.81678	87.3860243	514.381743	482.846122	73.4424121	1158.0563	2.56061858	14.556531	13.524536	2.02264242	32.664311	NonEnzymeReg
1.82751856	7.2828398	28.9541168	9.5381703	47.6026457	274.100966	1079.04159	4260.46116	1435.75006	7049.35377	42.047229	167.00313	662.080874	219.082737	1090.21398	1.22192224	4.7736040	18.685324	6.14253008	30.8233812	NonEnzymeReg
3.14824533	18.4748131	21.7861255	5.3838265	48.7930104	481.863602	2779.90698	3217.96426	781.230148	7260.96499	72.5327434	424.492664	498.760359	122.533456	1118.31922	2.08150415	12.04757	14.059383	3.38497499	31.5734294	NonEnzymeReg
2.54175875	13.8152018	22.8296907	9.1819571	48.3686084	382.736151	2049.5948	3385.01824	1376.42288	7193.77207	58.4421895	316.281543	522.112382	210.598602	1107.43472	1.67795438	9.0128680	14.738979	5.94822569	31.3780277	NonEnzymeReg
1.48951683	11.0762422	27.7890021	9.2348998	49.5896609	240.660437	1742.93877	4374.7086	1423.93719	7782.245	34.9667715	257.584312	645.207152	213.153791	1150.91203	1.01802304	7.3885107	18.390220	5.98512453	32.7818792	NonEnzymeReg
2.92610151	24.2676938	15.3138633	5.6621238	48.1697824	433.193197	3567.29213	2265.86695	876.189494	7142.54176	66.9382971	553.626676	349.740339	130.223212	1100.52852	1.89984242	15.567594	9.72724165	3.55729792	30.7519765	NonEnzymeReg
4.53816921	10.5626368	26.2061259	8.3534870	49.6604189	687.216706	1629.15379	4143.95966	1300.34617	7760.67633	104.272617	243.218137	605.039664	192.665775	1145.19619	2.95794013	6.7769911	16.564216	5.25066249	31.5498101	NonEnzymeReg
3.12921831	19.3322311	19.8818095	6.1824412	48.6172874	503.362203	3004.24889	2998.24581	932.106205	7451.91713	73.0184584	447.697795	457.405332	142.104876	1122.32951	2.08758332	12.7370816	12.874252	3.97731421	31.734454	NonEnzymeReg
2.04627173	11.6224634	23.9987075	10.7679589	48.4354015	309.91917	1797.45383	3726.25917	1680.78044	7514.41261	47.1601632	268.413858	554.433047	248.886896	1118.89396	1.34767978	7.6136602	15.542119	6.92527412	31.4287333	NonEnzymeReg
1.61544988	11.5308455	24.6264612	10.5415288	48.3142854	249.958522	1814.38552	3836.30114	1611.8389	7512.48408	37.2379474	267.114921	569.091471	242.527306	1115.97165	1.04724988	7.6016115	16.082376	6.82897543	31.5602132	NonEnzymeReg
4.83203661	31.1768067	11.2156002	2.0612107	49.2856537	723.397111	4781.43408	1753.44686	315.302213	7573.58026	110.988911	719.153884	258.883003	47.1813922	1136.20719	3.19172023	20.428104	7.17264745	1.25481339	32.0472856	NonEnzymeReg
0.46484003	22.355075	21.3314974	4.6419944	48.7934069	76.3406928	3348.28966	3117.87015	687.575863	7230.07637	10.9243581	514.446929	487.434695	106.088809	1118.89479	0.31802797	14.708919	13.677079	2.89583028	31.5998572	NonEnzymeReg
2.33911346	22.0910271	21.6547787	3.5937906	49.6787099	369.831356	3493.58171	3327.80163	547.50408	7738.71877	54.5476292	513.757654	499.497952	82.8020001	1150.60524	1.57571979	14.685557	14.081391	2.31841015	32.6610783	NonEnzymeReg
0	13.9551667	19.7867355	13.817276	47.5591784	0	2122.39066	3038.4518	2080.8613	7241.70376	0	320.686758	455.354648	316.608553	1092.64996	0	9.0772749	12.802786	8.79099107	30.6710472	NonEnzymeReg
1.32618138	22.0386362	20.4018666	5.7376648	49.504349	207.309134	3472.4824	3232.91733	872.397045	7785.10591	30.7218157	511.197068	473.727875	132.03183	1147.67859	0.88317256	14.544842	13.361279	3.68154453	32.4708392	NonEnzymeReg
3.07261042	20.5912243	21.4209118	2.6445288	47.7292754	453.454125	3094.71032	3200.21077	393.65493	7142.02941	70.2942795	473.293505	491.533515	60.6062551	1095.72755	1.94880063	13.348460	13.855803	1.70970539	30.8627699	NonEnzymeReg
1.74871899	12.4471066	21.4157129	12.8388924	48.4504307	253.426556	1911.93837	3254.22611	1942.89172	7362.48275	39.7636246	286.774817	491.505933	294.315756	1112.36013	1.11161464	8.1055180	13.761871	8.20880328	31.1878071	NonEnzymeReg
2.39184818	14.2658153	23.2602588	6.9693367	46.8872589	369.18496	2234.67389	3592.00085	1023.60811	7219.4678	55.3344941	330.926404	536.96568	159.009431	1082.23601	1.57566375	9.4058627	15.157694	4.42354417	30.5627655	NonEnzymeReg

1.89871782	23.3193028	19.6494142	4.15561085	49.0230456	295.318619	3602.09635	3025.96817	673.893831	7597.27697	44.0701205	539.276917	452.753147	96.7294604	1132.82965	1.26788026	15.3703474	12.6128969	2.68766388	31.9387885	NonEnzymeReg
3.23663208	15.5974336	20.5554049	9.01075048	48.4002211	531.417982	2487.01631	3132.94459	1371.26859	7522.64747	75.9858872	364.87481	474.977033	207.543495	1123.38123	2.1948879	10.3991369	13.3489717	5.79992479	31.7429213	NonEnzymeReg
3.03463158	12.0617381	26.0663761	11.1771398	52.3398857	490.960003	2033.21351	4245.34096	1816.84397	8586.35844	70.7289243	283.899745	607.447695	259.960531	1222.0369	2.02961041	8.11545895	17.1529013	7.23494711	34.5329178	NonEnzymeReg
2.0535891	10.1646354	27.9616587	7.72941608	47.9092992	315.02728	1583.15041	4370.28698	1197.30395	7465.76862	47.4927228	235.535235	646.900902	178.474819	1108.40368	1.33587677	6.64842662	18.1375891	5.01403953	31.135932	NonEnzymeReg
12.5044581	12.2852901	17.7454969	7.22454164	49.7597868	1857.02009	1905.13947	2921.00558	1064.35385	7747.51899	285.75023	283.785391	416.125518	165.491485	1151.15263	8.01340416	7.97402097	11.8377068	4.66595034	32.4910822	NonEnzymeReg
0	20.0729409	20.6573352	6.9122595	47.6425356	0	3276.1921	3250.02587	1123.83449	7650.05247	0	469.445667	480.556566	162.437915	1112.44015	0	13.1220871	13.3383884	4.52688291	30.9873585	NonEnzymeReg
3.84420439	15.8140013	23.0297514	6.80594247	49.4938996	631.288349	2474.36174	3637.46411	1060.60957	7803.72377	90.0397909	366.02343	534.396433	157.335783	1147.79544	2.60811442	10.4060655	15.128202	4.42418579	32.5665678	NonEnzymeReg
2.6070078	18.0364887	20.4970053	7.27285829	48.41336	376.530409	2662.06532	3086.56018	1064.20498	7189.36089	59.2556256	412.462259	471.80955	166.639155	1110.16659	1.65419999	11.6428238	13.4311802	4.67886259	31.4070665	NonEnzymeReg
1.83715712	9.75776428	24.8348359	10.9769457	47.406703	259.827346	1405.00511	3646.49869	1594.73354	6906.06468	41.616236	221.626043	566.234517	249.84131	1079.31811	1.17931541	6.22888147	15.7456107	6.92365413	30.0774617	NonEnzymeReg
2.7957485	16.5289874	21.998786	6.85977809	48.1833	456.255485	2633.49409	3432.97255	1045.64445	7568.36657	65.4593349	384.650537	509.395181	157.767202	1117.27226	1.87542214	10.9390879	14.3992643	4.39548231	31.6092567	NonEnzymeReg
1.23884902	30.4220899	11.2533769	3.13062781	46.0449437	185.356485	4626.9885	1705.17173	494.209083	7011.7258	28.4782523	700.721782	258.556901	72.3784314	1060.13537	0.82458482	19.8704479	7.18136135	2.00434136	29.8807354	NonEnzymeReg
5.55353388	31.8221885	8.2083278	1.17419039	46.7582406	813.274696	4685.94617	1266.40894	185.211626	6950.84143	127.17582	727.697257	189.909658	27.1510382	1071.93378	3.61704829	20.326293	5.35607356	0.75301517	30.05243	NonEnzymeReg
1.52671611	13.5120899	31.2893012	2.99503713	49.3231444	235.617514	2072.48818	4916.33691	466.640756	7691.08336	35.3212757	312.260054	725.150874	69.0971664	1141.82937	1.00950338	8.93423359	20.5777976	1.92117373	32.4427083	NonEnzymeReg
2.91719542	15.9186123	12.6062916	17.6094337	49.0515331	452.460208	2522.29906	1949.33088	2702.00543	7626.09558	67.5486771	370.417777	291.115129	404.871453	1133.95304	1.91792333	10.5436171	8.21589233	11.1972973	31.87473	NonEnzymeReg
3.71050426	18.811374	19.8914531	6.43896933	48.8523007	547.118222	2818.69708	3035.2096	960.783927	7361.80883	84.9489452	432.186654	458.336643	147.608929	1123.08117	2.40822488	12.2776436	13.0464414	4.15862567	31.8909355	NonEnzymeReg
1.97524363	12.6264512	24.8621691	9.64985626	49.1137203	301.114161	2005.68877	3979.44808	1516.74105	7802.99205	45.5789922	293.623397	578.070627	223.816259	1141.08928	1.32222634	8.41749564	16.3601854	6.35571302	32.4556205	NonEnzymeReg
4.89999052	20.0548455	20.4385488	2.08161521	48.1420431	754.429183	3112.55915	3153.71214	302.808787	7417.85461	112.75238	463.092756	470.676337	47.1931027	1108.74216	3.17442177	13.0325412	13.0669615	1.265794	30.9402538	NonEnzymeReg
9.04334109	16.0352203	14.6382648	9.37448491	49.0913111	1355.38211	2385.2623	2159.12386	1345.26902	7245.03728	207.37788	366.281144	333.58452	213.280448	1120.52391	5.80814047	10.1623838	9.24334453	5.88216707	31.0960359	NonEnzymeReg
1.96800685	18.4053497	23.3292518	6.12317401	49.8257824	311.674943	2906.72229	3647.41456	926.701201	7792.51299	45.9306691	427.805157	540.091	140.962622	1154.78945	1.33997002	12.2214828	15.2493713	3.94186561	32.7526899	NonEnzymeReg
0.59668002	19.1157473	23.1286944	3.74854862	46.5896703	83.9324285	2783.09791	3342.02805	546.863108	6755.92149	13.5226464	436.12869	526.13703	85.9589184	1061.74728	0.38218339	12.2974629	14.6191154	2.36736526	29.6661275	NonEnzymeReg
3.56680355	27.6846572	15.9896261	2.23742558	49.4785124	548.695602	4224.07609	2448.69762	408.110102	7629.57942	82.4540566	638.354695	368.658557	53.4387633	1142.90607	2.41091052	18.3477776	10.4386348	1.43848018	32.635803	NonEnzymeReg
0.91701284	16.4665528	23.8599988	7.47501275	48.7185772	141.659472	2606.15848	3692.37278	1145.76178	7585.95251	21.2268827	383.017437	551.73015	172.444119	1128.41859	0.61815282	11.0012503	15.5593411	4.8108076	31.9895518	NonEnzymeReg
1.64049518	12.8809576	22.1702511	10.3460149	47.0377187	255.668714	1971.05003	3348.63624	1536.98172	7112.3367	38.001872	296.977489	509.167812	236.939418	1081.08659	1.07106219	8.38360221	14.3609486	6.6699391	30.4855521	NonEnzymeReg
8.15231735	31.8939077	5.91160838	1.94251062	47.9003441	1322.42503	5076.05288	918.039437	276.044936	7592.56229	190.91636	742.973579	136.258913	43.9370119	1114.08586	5.53813887	21.1982552	3.78815181	1.17311703	31.6976629	NonEnzymeReg
1.20273826	16.7667557	25.2504998	4.70481758	47.9248114	193.646429	2706.5336	3983.80173	726.807336	7610.78909	28.081114	391.360278	586.557182	108.964398	1114.96297	0.80109393	11.2024175	16.6273697	3.06843621	31.6993173	NonEnzymeReg
1.58567755	13.4013757	24.6581589	8.28296661	47.9281782	253.949521	2120.53873	3832.71591	1282.515	7489.71917	36.9802966	311.328282	569.450163	191.390378	1109.14912	1.04430801	8.81680357	15.9465421	5.3810285	31.1886822	NonEnzymeReg
1.19276576	12.5780413	20.5990385	14.1020807	48.4726462	174.171556	1875.71615	3085.99514	2133.653121	7269.53605	27.2973907	288.762889	473.156069	324.532394	1113.74874	0.77433337	8.19379776	13.3864125	9.06790639	31.42245	NonEnzymeReg
2.56153623	11.9794631	24.2736651	8.53689814	47.3515625	393.128012	1827.27517	3734.85946	1300.922636	7256.18501	59.0658146	275.952132	560.195939	196.712066	1091.92595	1.67168413	7.86377352	15.8621813	5.54621617	30.9438551	NonEnzymeReg
2.82174363	12.3527858	24.9543289	8.48583559	48.6146939	438.020172	1900.06603	3831.65624	1308.944939	7478.68684	65.8708492	286.192928	576.910619	196.62793	1125.60233	1.91676849	8.07339314	16.1918347	5.57500329	31.7569996	NonEnzymeReg
2.33057955	14.4821469	23.6878731	7.64768007	48.1482801	361.365506	2254.50601	3708.51191	1185.2888	7509.67223	54.0017282	335.597857	549.112284	176.656035	1115.3679	1.53804769	9.55243268	15.5666097	4.96879477	31.6258849	NonEnzymeReg
1.51630797	13.6394549	21.2493923	12.6129998	49.0181549	223.584369	2096.3393	3258.70074	1909.35894	7487.98335	34.779454	314.999098	489.751568	289.756273	1129.28639	0.97708277	8.91887875	13.8669764	8.12164649	31.8845844	NonEnzymeReg

8.833677 9	29.09684 55	6.986807	1.769932 61	46.68726 3	1307.239 31	4290.175 85	1050.555 93	264.0845 91	6912.055 69	202.5860 17	665.4267 64	159.7781 17	40.43946 06	1068.230 36	5.847669 9	18.80163 38	4.367804 18	1.115921 23	30.13302 91	NonEnzyme Reg
2.689417 51	22.21631 14	19.16151 14	2.593127 63	46.66036 79	387.2288 52	3243.175 25	2813.679 21	416.8132 21	6860.896 53	61.23612 93	507.0796 72	438.0820 94	60.62460 09	1067.022 5	1.743507 91	14.25991 41	12.26748 59	1.694861 46	29.96576 94	NonEnzyme Reg
4.915427 73	20.98010 2	18.26656 19	6.205573 87	50.36766 56	705.0780 04	3039.786 24	2657.844 35	926.8825 12	7329.591 1	111.7350 44	478.0920 68	416.2120 76	142.1133 9	1148.152 58	3.139310 74	13.34348 39	11.46148 56	3.875654 1	31.81993 43	NonEnzyme Reg
3.766935 01	17.19522 6	16.31929 63	10.89923 84	48.18069 57	594.7113 57	2654.682 84	2519.985 73	1667.393 16	7436.773 09	86.96844 42	395.7573 41	374.8946 99	249.8120 42	1107.432 53	2.408150 33	10.97185 87	10.36887 78	6.847669 93	30.59655 68	NonEnzyme Reg
10.01138 96	12.60626 1	13.34467 52	12.17585 92	48.13818 49	1373.319 36	1758.923 86	1924.251 86	1764.580 29	6821.075 37	225.1402 83	284.5512 83	303.5405 52	277.3197 84	1090.551 9	6.283982 97	7.985189 7	8.578669 33	7.829852 97	30.67769 5	NonEnzyme Reg
3.135416 28	17.80447 24	19.65478 65	7.565883 52	48.16055 86	489.1374 77	2717.758 76	2976.078 17	1127.656 58	7310.630 99	72.75852 32	410.3307 11	452.3801 74	173.4034 4	1108.872 85	2.081646 96	11.55434 58	12.75443 4	4.835758 08	31.22618 48	NonEnzyme Reg
1.749597 42	13.09502 31	22.36525 1	12.05743 06	49.26730 21	268.8430 82	1982.747 64	3330.606 43	1822.242 05	7404.439 2	40.35043 73	301.2672 96	512.6123 88	277.1239 63	1131.354 08	1.152636 38	8.555141 94	14.42816 15	7.768191 59	31.90413 14	NonEnzyme Reg
2.109127 29	14.52034 66	24.46352 99	8.362673 92	49.83126 87	337.7198 71	2225.498 05	3796.836 03	1278.572 23	7694.074	49.29740 76	335.3204 52	565.9084 41	192.4899 11	1151.598 85	1.448500 05	9.608836 64	16.15457 5	5.420723 78	32.87552 22	NonEnzyme Reg
7.097647 55	29.49004 71	8.610740 81	1.226496 23	46.42493 17	1034.945 25	4409.462 18	1284.465 01	198.6378 96	6927.510 33	162.1207 59	675.7070 72	197.3408 92	28.69295 52	1063.861 68	4.579502 59	18.91199 2	5.501825 16	0.807292 14	29.80061 19	NonEnzyme Reg
6.380366 72	27.97309	11.25955 45	2.285464 29	47.89847 55	975.1949 95	4238.842 13	1684.209 59	330.2018 16	7228.448 54	147.1362 74	644.4166 18	258.4984 48	51.98505 92	1102.036 4	4.098508 63	18.12347 62	7.241214 62	1.459026 86	30.92222 63	NonEnzyme Reg
9.171163 08	8.679775 13	8.489312 57	12.43205 29	38.77230 37	1402.694 9	1309.398 7	1271.909 97	1851.006 78	5835.010 35	210.0468 02	198.7444 71	194.8017 1	285.2492 36	888.8422 19	5.710525 99	5.465239 23	5.460229 62	8.036641 95	24.67263 68	NonEnzyme Reg
2.658679 44	10.69892 3	23.91603 48	11.66931 7	48.94295 42	411.2597 97	1661.024 05	3681.083 93	1813.289 26	7566.657 04	61.45985 85	247.5784 12	551.3571 2	269.4185 72	1129.813 96	1.742278 79	7.061000 25	15.49479 68	7.505223 88	31.80329 97	NonEnzyme Reg
1.886858 06	14.60480 5	20.57268 15	9.080393 96	46.14473 85	287.8984 03	2232.258 04	3096.361 65	1333.521 4	6950.039 48	43.30931 25	335.6993 52	471.0094 88	206.9384 16	1056.956 57	1.216737 07	9.494188 28	13.21748 53	5.740596 1	29.66900 67	NonEnzyme Reg
1.878133 58	13.93570 69	28.70134 72	5.693803 34	50.20899 1	276.6628 33	2107.513 75	4422.265 44	872.3143 82	7678.756 4	43.11959 29	320.6972 61	662.9636 31	131.1105 95	1157.891 08	1.248970 34	9.196872 86	18.88374 16	3.688284	33.01786 88	NonEnzyme Reg
0.319511 98	15.03753 4	23.03801 39	10.85254 37	49.24760 36	46.40771 08	2266.296 33	3454.951 94	1630.775 08	7398.431 06	7.301020 57	346.1873 14	529.2096 41	249.1057 11	1131.803 69	0.211675 37	9.926724 51	14.93290 95	6.918354 22	31.98966 36	NonEnzyme Reg
1.579455 59	11.85243 72	24.30429 5	9.764982 95	47.50117 08	244.7719 19	1814.843 15	3698.123 77	1465.335 97	7223.074 81	36.46335 44	273.2140 03	559.0801 64	224.0561 01	1092.813 62	1.027140 32	7.704849 92	15.67133 41	6.245866 16	30.64919 05	NonEnzyme Reg
8.626592 91	31.65629 57	7.196282 9	2.936654 93	50.41582 64	1429.044 36	5082.990 62	1140.545 34	453.7788 27	8106.359 15	202.0666 8	735.3824 15	166.6038 89	67.21819 5	1171.271 18	5.755445 03	20.64698 04	4.614524 91	1.811835 58	32.82878 59	NonEnzyme Reg
0.410903 65	8.273432 27	24.81185 93	14.21467 55	47.71087 07	66.94094 77	1298.888 43	3918.298 06	2189.105 17	7473.232 61	9.583807 68	192.1475 48	576.7009 53	327.9986 62	1106.430 97	0.269445 86	5.504590 18	16.43520 87	9.190091 87	31.39933 66	NonEnzyme Reg
0.394969 89	10.71908 07	24.01774 31	12.93592 18	48.06771 54	60.69212 46	1647.161 59	3752.053 5	2000.904 68	7460.811 9	9.114938	247.6887 43	555.6726 5	298.4080 55	1110.884 39	0.263273 23	7.149505 13	15.73978 83	8.370982 7	31.52354 93	NonEnzyme Reg
2.103305 52	12.67725 45	23.77501 61	8.587719 88	47.14329 59	325.8217 21	1955.099 41	3694.413 22	1338.237 95	7313.572 31	48.76381 04	293.0301 25	549.8463 14	198.6314 27	1090.271 68	1.383658 24	8.281781 18	15.56885 72	5.602103 88	30.83640 05	NonEnzyme Reg
2.477539 53	17.51510 43	23.60685 13	2.863661 14	46.46315 63	372.0089 95	2632.499 53	3498.522 69	409.6686 14	6912.699 82	56.84244 01	401.7414 02	539.5696 68	65.05576 28	1063.209 27	1.614130 81	11.27652 34	15.04268 02	1.820342 51	29.75367 69	NonEnzyme Reg
2.075012 4	21.78372 35	22.57030 17	3.567974 48	49.99701 21	308.0924 7	3248.035 34	3378.223 6	567.7252 39	7502.076 65	47.35248 76	497.3956 49	515.7322 59	82.23423 03	1142.714 63	1.331028 92	13.84038	14.20943 63	2.199954 58	31.58079 97	NonEnzyme Reg
4.710137 47	26.18663 45	16.25559 65	0.574454 12	47.72682 26	693.9752 04	3918.112 05	2454.530 26	83.82479 33	7150.442 31	108.1198 71	600.2874 92	372.3759 13	13.15909 36	1093.942 37	3.139656 34	16.99695 47	10.35992 66	0.382476 76	30.87901 44	NonEnzyme Reg
9.510020 49	17.29145 21	14.34805 87	4.386404 28	45.53593 56	1345.740 14	2483.061 29	2139.878 47	621.6955 2	6590.375 43	215.9359 67	393.8215 23	328.6591	98.99136 46	1037.407 96	6.057420 26	10.96769 36	9.152333 44	2.674421 51	28.85186 88	NonEnzyme Reg
11.08492 59	14.13077 32	15.62929 46	8.674676 21	49.51966 99	1564.920 19	2058.883 43	2311.818 37	1273.787 65	7209.409 64	251.2091 65	321.2311 44	357.1262 86	197.6528 64	1127.219 46	6.949271 09	8.919904 14	9.999299 22	5.469954 08	31.33842 85	NonEnzyme Reg
0.359225 18	11.05509 08	23.22134 95	14.50750 99	49.14317 54	56.96696 68	1704.965 14	3586.809 15	2271.247 46	7619.988 71	8.363072 86	255.9505 38	536.1384 68	335.3557 58	1135.807 84	0.244400 24	7.377918 44	15.16453 98	9.332329 02	32.11918 75	NonEnzyme Reg
9.593480 89	28.10841 21	9.076578 45	2.129929 14	48.90840 06	1483.020 59	4353.686 4	1365.235 12	293.3212 98	7495.263 4	221.1677 99	648.6244 03	207.6282 61	47.99278 82	1125.413 25	6.189531 56	18.22260 93	5.714568 41	1.314659 36	31.44136 86	NonEnzyme Reg
1.893683 45	25.97294 8	17.67061 51	3.505156 61	49.04240 31	306.3297 82	4084.688 38	2742.512 5	523.9920 49	7657.522 71	44.18815 52	600.7673 4	407.0588 9	80.02491 21	1132.039 3	1.268465 53	16.88703 01	11.34996 3	2.182722 74	31.68818 14	NonEnzyme Reg
1.855853 09	24.08281 69	16.16365 37	5.722018 74	47.82434 24	311.9490 85	3793.49	2525.907 57	905.1221 8	7536.468 84	43.88469 01	558.8418 77	373.5843 94	132.6673 06	1108.978 27	1.292474 09	15.9424	10.48174 1	3.700179 79	31.41679 49	NonEnzyme Reg
2.247715 21	18.37338 09	23.40095 18	4.220820 53	48.24286 84	341.8303 51	2770.388 16	3537.276 82	646.3335 21	7295.828 85	51.90403 66	422.0230 16	537.5299 67	97.07481 68	1108.531 84	1.487081 95	11.94572 09	15.06091 96	2.691811 02	31.18553 35	NonEnzyme Reg
2.451733 38	17.68715 02	23.38915 9	5.123017 96	48.65106 05	355.8303 99	2742.572 85	3664.726 47	831.1230 89	7594.252 81	56.13922 81	408.5352 2	541.0170 84	119.0431 43	1124.734 68	1.580087 53	11.49473 49	15.15161 53	3.332572 76	31.55901 05	NonEnzyme Reg

3.59604209	28.1606613	13.4082862	2.84719257	48.0121821	540.415582	4175.89934	1994.51758	427.483135	7138.31564	82.4326001	644.533734	306.885733	65.0212598	1098.87333	2.29213896	17.8194246	8.40564411	1.75057296	30.2677806	NonEnzyme Reg
4.80411709	18.3676437	18.3772673	4.43384624	45.9828743	694.685813	2653.22688	2732.05629	671.129505	6751.09849	109.417385	417.949881	420.263495	101.769417	1049.40018	3.11235934	11.719819	11.7119354	2.84607233	29.3901861	NonEnzyme Reg
5.412863	27.0412986	15.0385414	1.29183608	48.7845391	877.583056	4307.35271	2427.34921	197.769823	7810.05479	127.024205	630.123681	351.089529	29.8966442	1138.13406	3.71934448	18.0984143	9.96515212	0.83868347	32.6215944	NonEnzyme Reg
1.26145891	17.2130481	23.3527631	4.037262	45.8645321	193.062276	2649.03337	3488.95618	584.6587	6915.71052	29.26718	397.785941	534.782088	91.67474	1053.50996	0.81779795	11.0922528	14.7639253	2.52007599	29.194052	NonEnzyme Reg
5.20722053	30.7678549	9.92124828	2.08254889	47.9788726	747.522832	4506.48582	1456.899	318.409884	7029.31754	118.770615	703.348268	226.587798	47.693534	1096.40021	3.35687407	19.900166	6.35228825	1.30947839	30.9188067	NonEnzyme Reg
3.29559253	17.8880464	21.6811782	4.92880967	47.7936268	497.917364	2630.42449	3194.60904	749.623835	7072.57473	76.1473392	409.607582	495.917816	113.35414	1095.02705	2.18230284	11.600106	13.955851	3.18107526	30.919336	NonEnzyme Reg
2.31484519	14.3802926	20.7171492	11.2388814	48.6511683	332.021474	2161.95659	3127.61165	1692.60025	7314.18997	52.6024022	330.309516	476.569563	258.55393	1118.03541	1.47224978	9.33386785	13.5520741	7.28642009	31.6446126	NonEnzyme Reg
2.53634912	14.5855081	20.9031629	9.62952631	47.6545464	382.637777	2170.3607	3147.7335	1504.955596	7205.68794	58.514991	335.0478	479.871935	222.812367	1096.24709	1.66574668	9.50107697	13.4744009	6.26446846	30.905693	NonEnzyme Reg
3.10848808	19.6400779	17.9151761	6.73582128	47.3995634	507.124169	3132.32067	2878.65731	1048.96983	7567.07198	72.7649209	457.224511	418.199839	156.063383	1104.25265	2.05164147	12.9325359	11.9174805	4.39611088	31.2977687	NonEnzyme Reg
3.00456934	25.4280455	16.3498792	2.06914183	46.8516359	458.052445	3876.62123	2465.74194	303.600763	7104.01638	69.2380137	585.526036	375.061699	47.04358	1076.86934	1.99359575	16.6405061	10.4668986	1.2734276	30.374428	NonEnzyme Reg
4.74520228	27.2369223	13.1917966	1.38650723	46.5604285	730.787217	4084.13304	1946.48775	203.945688	6965.35369	109.427014	624.221069	300.521866	32.04211	1066.21206	3.12580501	17.466855	8.21561219	0.88586696	29.6941391	NonEnzyme Reg
6.37837672	16.2076586	17.49992	8.21483503	48.3007903	958.649542	2531.25039	2786.99218	1281.551553	7558.44364	146.81237	376.978772	407.860978	190.496631	1122.14876	4.21939751	10.8682487	11.6095371	5.42916971	32.126353	NonEnzyme Reg
1.21759088	13.6584592	29.4540491	2.93386278	47.2639619	188.120766	2080.1159	4436.82079	420.429714	7125.48717	28.183162	314.501011	676.260753	66.55510	1085.50003	0.80001516	8.9256704	19.0912781	1.81882024	30.635784	NonEnzyme Reg
2.40360806	15.188842	24.8466199	6.07555745	48.5146273	354.117274	2283.5047	3700.28227	899.727431	7237.63167	54.90261	348.662575	569.003505	138.77687	1111.34559	1.5495188	9.92264127	16.053628	3.87309556	31.3988838	NonEnzyme Reg
1.64022474	11.1770313	22.2162778	12.682789	47.7163228	245.954432	1699.72792	3306.33706	1848.943145	7100.96287	37.725831	257.774297	509.9843	289.864486	1095.34891	1.06956403	7.3303484	14.445531	8.15370533	30.9991491	NonEnzyme Reg
1.40193331	11.9748025	27.7967715	8.03094022	49.2044476	209.816131	1809.40777	4245.04098	1211.428474	7475.69362	32.2204183	275.934806	641.492522	184.65552	1134.30327	0.92653206	7.8680272	18.185695	5.18371707	32.1639719	NonEnzyme Reg
1.65775144	9.5708297	23.6164438	12.246724	47.0917499	251.909438	1479.47047	3674.08502	1905.607113	7311.07206	38.223455	221.30474	545.604295	282.63311	1087.7656	1.06488163	6.2452146	15.288605	7.83177325	30.4304754	NonEnzyme Reg
4.51319027	13.1109514	16.6605368	13.5480281	47.8327065	710.230643	2033.50896	2458.4462	1956.931158	7159.11739	105.31695	303.647904	380.026957	307.45691	1096.44872	3.02258578	8.5525855	10.5246695	8.45954504	30.5593855	NonEnzyme Reg
1.37529073	17.3177642	24.0298635	6.20655639	48.9294748	207.988997	2574.62867	3497.16303	865.564426	7145.34512	31.695108	397.139524	548.555727	140.80727	1118.19764	0.92083133	11.3629181	15.3965187	3.91669011	31.5969582	NonEnzyme Reg
1.74983903	14.4811772	21.8781758	9.25070472	47.3598968	263.462775	2227.88165	3322.67667	1357.045117	7171.06626	40.197209	334.160547	503.440596	211.279163	1089.07752	1.12771966	9.4425573	14.205881	5.91486584	30.6910241	NonEnzyme Reg
2.22662365	13.1476043	23.2106242	11.332410	49.9172629	336.363577	2025.06568	3549.39323	1749.439889	7660.26237	51.335089	304.204403	535.181558	261.635335	1152.35638	1.46181488	8.6911306	15.207436	7.39353979	32.7539218	NonEnzyme Reg
3.35228576	17.6564257	20.8315875	8.39650887	50.2368079	608.020768	3111.78468	3503.58381	1345.266336	8568.65561	80.878924	422.286583	490.521216	195.305042	1188.99177	2.38597224	12.3168377	14.070794	5.48143035	34.2550397	NonEnzyme Reg
1.90024641	8.8351625	28.0240477	9.80846649	48.5679226	310.603633	1394.09076	4178.84226	1498.058226	7381.59491	44.653549	205.470197	642.362031	225.985175	1118.47095	1.3138532	5.9156876	18.026390	6.34094965	31.5968805	NonEnzyme Reg
1.20187079	14.7795206	22.6161288	6.91306549	45.5105856	176.316171	2152.41012	3310.19582	992.162505	6631.08462	27.510878	337.245219	515.879121	156.966522	1037.60174	0.79089648	9.5225507	14.443982	4.35432388	29.1117594	NonEnzyme Reg
9.59348089	28.1084121	9.07657845	2.12992914	48.9084006	1483.02059	4353.6864	1365.23512	293.321298	7495.2634	221.167799	648.624403	207.628261	47.99278	1125.41325	6.18953156	18.2226093	5.71456841	1.31465936	31.4413686	NonEnzyme Reg
3.75067398	22.4086089	20.9687552	3.18228528	50.3103233	588.200424	3356.17015	3183.59332	494.852884	7622.81678	87.386024	514.381743	482.846122	73.44241	1158.0563	2.56061858	14.5565131	13.5245369	2.02264242	32.664311	NonEnzyme Reg
1.8872369	13.9315002	21.9112945	10.767686	48.4977101	295.922051	2186.34151	3350.56102	1608.907994	7441.73252	43.852007	323.214353	505.11048	246.841803	1119.01864	1.26665034	9.2371779	14.257402	6.89752475	31.6587558	NonEnzyme Reg
2.12823337	7.9768970	22.7382105	13.767621	46.610953	332.750805	1245.24608	3488.1149	2065.035334	7131.14712	49.318234	184.852578	525.147683	316.299673	1075.61817	1.39765468	5.2390383	14.808241	8.81457647	30.2595108	NonEnzyme Reg
0.46484003	22.355075	21.3314974	4.64199445	48.7934069	76.3406928	3348.28966	3117.87015	687.575863	7230.07637	10.924358	514.446929	487.434695	106.088809	1118.89479	0.31802797	14.708919	13.677079	2.89583028	31.5998572	NonEnzyme Reg
2.16956839	10.7000544	24.8434325	9.63791284	47.3509681	343.615351	1657.87749	3727.1451	1442.019444	7170.65738	50.425671	247.520023	570.68749	220.890316	1089.5235	1.44252522	7.0279278	16.051752	6.12050824	30.6427134	NonEnzyme Reg
2.48725642	12.7887392	25.0499544	5.71979432	46.0457444	379.899003	1957.94355	3739.34786	830.634389	6907.8248	57.516019	295.696969	573.751613	129.906043	1056.87065	1.66879193	8.4999574	16.102669	3.5506246	29.8220439	NonEnzyme Reg

3.06106735	19.1399747	21.4495025	6.05097239	49.7015169	480.923538	2965.52386	3270.10037	900.476263	7617.02403	71.0048261	442.69123	494.004866	138.480967	1146.18189	2.05067665	12.5954069	13.8828328	3.85421115	32.3831274	NonEnzyme Reg
1.69384739	10.9826105	27.9445497	6.84522293	47.4662305	248.233602	1676.66546	4233.1554	1037.39478	7195.44924	38.758259	253.49117	642.562071	157.248827	1092.06033	1.09665559	7.22728955	18.0243474	4.37034164	30.7186341	NonEnzyme Reg
4.28148587	23.2828932	17.1859702	2.44032626	47.1906755	641.913872	3506.88994	2531.36589	350.302676	7030.47237	98.4007983	535.43732	393.314116	55.3313763	1082.48352	2.76322009	15.1115611	11.0584437	1.52397327	30.4571982	NonEnzyme Reg
3.02767571	21.4969679	23.0315896	1.41629497	48.9725282	463.265188	3367.94848	3651.31694	217.069224	7699.59983	69.9884374	499.85914	536.019198	32.777759	1138.64454	2.03532853	14.5744844	15.4693756	0.9346655	33.013854	NonEnzyme Reg
1.029277	12.1180181	20.7898105	14.3981173	48.3352229	151.532731	1764.0702	3035.85566	2105.95099	7057.40958	23.5600975	276.34339	473.952466	327.941005	1101.79697	0.67267109	7.83368412	13.3139908	9.10748067	30.9278267	NonEnzyme Reg
1.96241014	16.5176341	19.0349232	6.03867344	43.5536409	325.069414	2591.62463	2924.34426	912.816147	6753.85445	46.3905243	382.73486	438.806017	138.919567	1006.85097	1.31524697	10.5707064	11.8688755	3.74909622	27.5039251	NonEnzyme Reg
4.09367005	15.2701309	22.0693263	8.77885857	50.2119857	600.088984	2255.18453	3308.72318	1325.78707	7489.78376	93.6433193	349.47397	505.964972	201.165206	1150.24748	2.64731615	9.88642106	14.2462195	5.56991338	32.34987	NonEnzyme Reg
2.63716884	9.6582806	26.573589	9.35827774	48.2273159	436.382335	1569.4712	4217.27288	1440.37027	7663.49669	61.8968712	226.01814	617.401669	215.681902	1120.99858	1.78499434	6.48820308	17.5307296	6.05138394	31.8553117	NonEnzyme Reg
2.09441236	22.5768177	19.3080478	1.59758718	45.576865	298.999335	3270.63821	2724.06398	227.217417	6520.91894	47.6271357	514.90327	437.700778	36.2802981	1036.51149	1.36314119	14.6961322	12.4414671	1.04287452	29.5436157	NonEnzyme Reg
1.77866732	12.8954195	23.6350786	8.13629236	46.4454577	261.958042	1937.94545	3518.16335	1205.17258	6923.23942	40.6615467	296.83628	541.695924	186.143745	1065.33754	1.14230929	8.45276556	15.2368989	5.19326178	30.0252356	NonEnzyme Reg
2.24989975	15.2646178	26.0047058	4.23071061	47.749934	338.411368	2281.79912	3960.0673	649.548466	7229.82625	51.6253828	350.82454	598.322042	97.6356908	1098.40766	1.46365584	9.92639855	16.6881568	2.70459637	30.7828076	NonEnzyme Reg
4.30065306	25.1781177	15.4107848	3.48385746	48.373413	617.975941	3691.07767	2322.46171	531.613673	7163.12899	97.7214541	576.12757	354.129034	80.3214196	1108.29949	2.72130745	16.214224	9.94469337	2.22197298	31.1021978	NonEnzyme Reg
4.09367005	15.2701309	22.0693263	8.77885857	50.2119857	600.088984	2255.18453	3308.72318	1325.78707	7489.78376	93.6433193	349.47397	505.964972	201.165206	1150.24748	2.64731615	9.88642106	14.2462195	5.56991338	32.34987	NonEnzyme Reg
1.95595944	10.4564186	25.0083845	12.1419149	49.5626774	284.572505	1585.46049	3901.21412	1858.26203	7629.50915	44.6412173	240.30762	578.134657	279.165151	1142.24865	1.27841606	6.7988299	16.3669573	7.78825634	32.2324596	NonEnzyme Reg
1.56947878	10.6308499	24.4066524	13.0931343	49.7001154	255.882793	1634.15228	3715.93908	1927.91202	7533.88617	36.8982054	245.52151	561.536586	298.885546	1142.84186	1.09336246	7.00729923	15.8628494	8.31791028	32.2814214	NonEnzyme Reg
1.76129654	11.2583444	24.3892844	11.4148601	48.8237854	277.795729	1750.41542	3779.22564	1733.62293	7541.05973	40.8368364	260.43440	563.852578	262.708069	1127.83189	1.16561994	7.41147008	15.9967015	7.39299636	31.9667879	NonEnzyme Reg
2.44220696	13.0285202	25.1471489	8.75026071	49.3681367	359.988491	2042.97226	3940.82711	1349.61432	7693.40218	55.9107246	302.77371	583.812547	202.232996	1144.72998	1.57517061	8.69125531	16.7727203	5.76600988	32.8051561	NonEnzyme Reg
1.32300227	8.2492175	25.1310773	13.8244876	48.5277847	218.059238	1344.04611	3917.49455	2131.0495	7610.64939	31.0380746	193.35307	582.074268	318.601831	1125.06725	0.89467666	5.56415073	16.414341	8.86102158	31.7341899	NonEnzyme Reg
2.61856949	19.4147147	17.6486036	8.28988272	47.9717705	402.490138	2940.47908	2634.0929	1231.93588	7208.998	60.6694246	446.80405	404.176376	189.659879	1101.30973	1.75902708	12.6611934	11.3539572	5.29795574	31.0721334	NonEnzyme Reg
16.0503843	23.0297137	4.3007697	3.26079993	46.6416676	2390.5578	3515.77299	624.826988	489.848878	7021.00666	368.9881008	532.92478	98.2581691	74.0135326	1074.18459	10.4037072	15.2176852	2.7385828	1.93145042	30.2914257	NonEnzyme Reg
2.33222522	15.6311657	26.7947251	3.31875489	48.0768709	342.579284	2316.71234	4011.36963	489.791842	7160.45309	53.415325	358.15339	614.368321	75.6861524	1101.62316	1.53256452	10.0888349	17.1336701	2.09471556	30.849785	NonEnzyme Reg
2.90177085	15.9626959	21.3672828	4.30459454	44.5363441	441.115021	2418.18728	3182.49748	650.611143	6692.41093	66.8444881	367.67574	489.892983	98.8940723	1023.30728	1.89301262	10.3143463	13.6318372	2.76672311	28.6059192	NonEnzyme Reg
3.77286677	22.5955733	15.415705	4.85061009	47.183844	582.485885	3479.41941	2377.51319	736.335816	7256.56648	87.4436778	523.07908	355.712281	111.834788	1090.60986	2.45310773	14.585577	9.8387299	3.12710023	30.3530855	NonEnzyme Reg
7.1150222	33.3325013	7.0919227	0.7066676	48.2461139	1115.72068	5071.08082	1047.02372	108.694582	7342.51981	165.27181	768.77816	162.179905	16.3368469	1112.56673	4.72236615	21.8020543	4.54911729	0.46769332	31.541231	NonEnzyme Reg
2.91565569	20.0374824	20.6532687	4.28145395	47.8878607	426.827967	2974.63569	3117.08169	632.11545	7150.66079	66.4853933	458.43736	473.862634	97.5794899	1096.36485	1.84762532	12.9124673	13.3311256	2.65920352	30.7504217	NonEnzyme Reg
1.43980084	18.1265648	16.8506107	12.1972002	48.6141765	223.675808	2868.04138	2679.52133	1919.47595	7690.71446	33.2775875	420.53846	390.152368	281.238009	1125.20642	0.96621861	12.0673958	10.8863877	7.77574884	31.6957504	NonEnzyme Reg
1.09436231	18.7239747	18.1484328	9.33506193	47.3018317	169.525749	2930.5512	2829.73715	1423.18373	7352.99783	25.3712675	435.60164	422.139109	215.519875	1098.6319	0.73569778	12.5477309	12.0734964	6.02221854	31.3791436	NonEnzyme Reg
1.70593945	6.7690447	26.3113607	13.3615851	48.14793	252.40055	1023.96885	3978.25168	2008.30098	7262.92206	39.1853015	155.94474	605.242471	306.544213	1106.91646	1.12479231	4.46785199	17.0845738	8.55978196	31.2370001	NonEnzyme Reg
3.24219587	24.4568462	12.0771119	8.13695558	47.9131095	465.011363	3619.13437	1783.34501	1177.78824	7045.27899	74.4049727	562.10913	276.568238	185.047726	1098.13004	2.10554756	15.8929276	7.7849281	5.12492601	30.9083294	NonEnzyme Reg
2.27849245	14.0266012	23.4735582	8.86419534	48.6428472	355.896219	2192.8101	3660.14321	1411.02418	7619.8737	52.7765239	325.15672	543.111947	206.131253	1127.17645	1.49428622	9.2902946	15.4002645	5.85584853	32.0406938	NonEnzyme Reg
3.78374206	20.5027806	17.4180483	5.67319152	47.3777625	570.327611	3020.82758	2598.34866	843.26077	7032.76461	87.0452958	468.94713	398.386774	129.681314	1084.06052	2.46416122	13.2331778	11.0820144	3.62733388	30.4066874	NonEnzyme Reg

1.42220378	16.7808777	23.121805	8.21110077	49.5359872	212.537166	2498.18518	3426.61514	1183.91507	7321.25255	32.5582402	383.99234	528.163759	187.092977	1131.80732	0.91827976	10.7797811	14.6823854	5.20635556	31.5868018	NonEnzyme Reg
0	6.17822727	29.3778865	10.9483768	46.5044906	0	948.385168	4375.34504	1575.367996	6899.09817	0	142.410616	674.150443	249.209998	1065.77106	0	4.0326515	19.0346695	6.99033435	30.0576554	NonEnzyme Reg
2.36080092	11.390221	25.4792186	5.72652757	44.9567681	367.481116	1822.98602	4018.77714	868.806279	7078.05056	54.6575913	265.842635	591.841787	131.834932	1044.17695	1.54343456	7.62889335	16.6840479	3.66552371	29.5218995	NonEnzyme Reg
1.20916436	12.62148 93	26.1755028	8.60600 21	48.6121585	187.666228	1884.69421	3975.14629	1311.598 64	7359.10537	27.9720496	288.937076	602.0738 7	197.795241	1116.77824	0.79764709	8.14712776	16.9989741	5.53756 25	31.4813114	NonEnzyme Reg
2.54907901	6.89890613	24.5418139	14.10457 8	48.09437 7	394.203431	1079.07784	3751.47362	2108.20661	7332.961 5	59.10988 9	160.90362	567.351819	323.897419	1111.26239	1.69549057	4.61272109	15.9585065	9.01711 53	31.2838335	NonEnzyme Reg
1.92599134	11.056652 1	22.922144 4	12.2008958	48.1056836	273.156121	1586.69236	3382.65592	1792.01313	7034.51753	43.6412628	251.430401	523.992121	278.473598	1097.53738	1.20789193	7.06548856	14.832854	7.81581694	30.9220514	NonEnzyme Reg
1.97903731	14.772370 9	22.92740 2	6.88654561	46.5653558	319.429943	2256.19188	3477.73191	1037.62062	7090.97435	46.2290802	340.269124	526.593798	157.513486	1070.60549	1.32697804	9.58318849	14.7592338	4.31937975	29.9887801	NonEnzyme Reg
1.70302103	13.761577 7	23.174787	10.446887 6	49.0862734	274.090819	2126.588 7	3543.57086	1567.12895	7511.37932	39.7675771	318.157937	533.849667	239.627418	1131.402 6	1.14091703	9.08477976	15.111778	6.72949053	32.0669653	NonEnzyme Reg
2.79143902	18.435062 1	23.032568	4.15806665	48.4171357	416.394145	2801.09818	3479.76984	612.043734	7309.3059	63.9724921	423.254321	527.851903	94.8531502	1109.93187	1.82429091	11.8865843	14.6921303	2.65852318	31.0615287	NonEnzyme Reg
1.33981264	16.035850 2	29.858351 4	1.85367592	49.0876901	221.603034	2575.73422	4755.73514	310.615237	7863.68764	31.4868496	373.801487	694.585987	43.5741085	1143.44843	0.90359177	10.6960924	19.7122866	1.21105522	32.523026	NonEnzyme Reg
12.4793897	20.812555 6	8.3905393	5.07824221	46.7607274	1927.58499	3154.36506	1237.17369	736.32736 5	7055.4511	288.5893	478.35631	191.687519	115.626407	1074.25954	8.18374433	13.4244373	5.36965606	3.21546914	30.1933068	NonEnzyme Reg
3.00405323	18.350186 3	19.838914 6	7.49564357	48.6887977	502.45993	2979.73443	3126.42422	1179.71735	7788.33593	70.7315271	428.731589	459.08365	174.473646	1133.02041	2.03017799	12.2905474	12.8222608	4.88928918	32.0322753	NonEnzyme Reg
2.16566004	10.732485	21.158502 9	14.046312	48.10296	364.808312	1743.16629	3431.47822	2191.33877	7730.79159	51.005302	250.827197	494.427273	324.864805	1121.12458	1.47163373	7.12174697	14.0446214	9.13062241	31.7686245	NonEnzyme Reg
2.02281958	18.762118 4	22.253543 4	5.25496499	48.2934464	306.919093	2837.26093	3352.05233	784.674059	7280.90641	46.4919248	430.724675	510.134815	120.118738	1107.47015	1.31111694	12.1599194	14.3795263	3.36179711	31.2123597	NonEnzyme Reg
0.521126	8.9857223 6	24.084849 2	14.525778 3	48.1174759	80.4957443	1363.28768	3636.35901	2188.3667	7268.50913	11.9934487	206.59539	553.267544	333.130088	1104.98647	0.33466096	5.8370934 1	15.5853843	9.30386386	31.0610025	NonEnzyme Reg
2.10276712	23.603332 9	18.489565 6	6.34029928	50.5359649	345.333254	3753.61691	2903.67637	962.101376	7964.72791	49.2128579	548.577793	428.060529	145.059577	1170.91076	1.39888398	15.6233312	12.0695675	3.94790594	33.0396886	NonEnzyme Reg
2.54641845	24.986334 3	18.719118 8	1.85413643	48.1060088	384.648818	3819.81659	2847.95011	270.13335	7322.54887	58.6629233	575.80825 4	430.685675	42.352123	1107.50898	1.68681111	16.3647097	12.1508538	1.19765705	31.4000317	NonEnzyme Reg
1.81263665	11.974330 3	26.712485 7	7.63604596	48.1354986	271.632424	1796.57034	4006.25083	1123.55285	7198.00645	41.7284232	275.426612	613.365632	174.341994	1104.86266	1.19536147	7.81426085	17.4106352	4.89801369	31.3182712	NonEnzyme Reg
1.51213944	20.353314 8	23.281676 6	3.61177846	48.7589104	230.940848	3001.65799	3424.9175	511.54542	7169.06175	34.9271346	467.236884	533.778431	81.932921 3	1117.87537	0.99139235	13.1903097	14.9587171	2.26895175	31.4093709	NonEnzyme Reg
0	17.368454 6	27.917552 7	3.88028703	49.1662943	0	2576.67014	4085.19584	547.848037	7209.71401	0	398.015481	638.168245	88.322302 7	1124.50603	0	11.3387732	18.0370207	2.47178315	31.847577	NonEnzyme Reg
2.17265652	17.050694 4	23.140387	7.73048777	50.0942187	315.888238	2642.28477	3647.73971	1217.50369	7823.41641	49.6888559	393.850711	535.627193	178.419006	1157.58577	1.40531596	11.1661891	15.0201829	4.92452423	32.5162122	NonEnzyme Reg
6.24889756	28.245207 8	9.5062520 9	2.49269944	46.4930569	889.387384	4147.72878	1423.0046	390.509841	6850.6306	142.191015	646.103689	218.260342	57.9681496	1064.5232	3.99918139	18.1750965	6.04875839	1.67583123	29.8988675	NonEnzyme Reg
2.08310063	17.672206 3	18.320645 4	7.77631 52	46.2178632	296.774526	2558.93201	2663.41472	1111.22093	6681.35757	47.2654984	402.299126	417.588533	176.538002	1051.95635	1.33628759	11.3213258	11.6939 77	4.91138694	29.4925423	NonEnzyme Reg
2.21714033	11.426326 3	27.464645 9	7.79614077	48.9042532	334.376187	1734.49903	4152.23746	1153.13906	7374.25173	51.0722341	263.820966	632.557531	178.199081	1125.64981	1.46843182	7.55795516	17.9368536	4.97573534	31.9389759	NonEnzyme Reg
3.83316552	24.827637 5	17.370427 7	2.24998243	48.2812131	577.268973	3833.3623	2712.71402	350.832836	7474.17813	88.6110481	574.587572	401.805709	51.674631 3	1116.67896	2.55638608	16.3834281	11.2760828	1.39630589	31.6122029	NonEnzyme Reg
2.15361261	17.831867 5	26.133633 9	3.59808 09	49.7171949	325.054583	2769.34326	4028.26069	541.208971	7663.8675	49.6277598	412.845163	603.91925	82.4924468	1148.88462	1.42309 45	11.7979605	17.1268763	2.30866876	32.6566001	NonEnzyme Reg
2.25909924	13.497591	27.428816 9	5.14074 87	48.3262558	349.714158	2158.53479	4245.69455	766.882048	7520.82555	52.2237405	314.383353	634.131398	117.775747	1118.51424	1.50226224	9.0438375 8	17.9953342	3.27109443	31.8125284	NonEnzyme Reg
2.24292899	14.359609 4	26.084448 9	7.25259408	49.9395814	326.763714	2123.44722	3906.36267	1081.12628	7437.69988	51.3006511	329.335991	599.005791	166.085807	1145.72824	1.45277635	9.3515082 4	17.0043056	4.69254603	32.5011362	NonEnzyme Reg
2.66612397	16.995828 4	21.699189 92	5.63326628	46.9944079	389.46522	2507.53673	3314.97964	867.539201	7079.52079	60.7766408	387.672899	498.546876	129.747997	1076.74441	1.70944833	10.761444	13.9493099	3.62963611	30.0498387	NonEnzyme Reg
1.04405506	17.580077 1	21.362790 3	7.23699261	47.2239151	160.269925	2589.35057	3197.01063	1095.11926	7041.75039	24.0999541	402.376626	490.028838	166.142136	1082.64755	0.69720088	11.4121892	13.7608864	4.60574579	30.4760222	NonEnzyme Reg
2.81382068	10.707058 5	27.862782 9	5.60651505	46.9901771	423.421988	1616.30742	4281.14242	877.975072	7198.84691	64.6012111	245.707708	640.624406	129.154212	1080.08754	1.84358163	6.9506097 8	17.8995478	3.54845699	30.2421962	NonEnzyme Reg

3.585070 11	14.36725 94	21.21733 51	13.68608 56	52.85575 02	559.5306 31	2198.816 08	3238.741 36	2085.177 92	8082.265 98	82.36713 13	329.2662 63	487.3982 2	312.8964 96	1211.928 11	2.242303 64	9.033946 3	13.53817 44	8.448038 84	33.26246 32	NonEnzyme Reg
4.615259 4	25.28664 8	13.49324 22	3.297896 88	46.69304 64	684.7015	3840.280 7	2015.782 34	510.7608 17	7051.525 36	105.6844 62	581.5918 21	309.4226 17	76.15605 47	1072.854 96	2.971289 76	16.38750 69	8.673056 93	2.155756 21	30.18760 98	NonEnzyme Reg
2.189400 93	17.82624 82	23.36500 12	5.090200 14	48.47085 04	324.7966 8	2672.285 21	3489.302 65	771.8720 1	7258.256 54	50.08034 29	408.4113 13	535.4606 77	117.1629 71	1111.115 3	1.405864 91	11.45414 32	15.00822 54	3.260781 41	31.12901 49	NonEnzyme Reg
1.425210 64	14.42208 39	21.68889 69	9.848454 28	47.38464 57	209.3442 82	2126.791 99	3278.909 95	1471.002 21	7086.048 43	32.54281 01	329.9314 57	498.3804 89	225.7240 36	1086.578 79	0.910873 67	9.221924 19	14.04196 24	6.359751 64	30.53451 18	NonEnzyme Reg
2.327524 39	16.91547 2	24.24869 64	4.518654 06	48.01034 68	350.0603 9	2570.784 63	3761.121 17	719.1330 02	7401.099 2	53.84165 94	389.8506 78	560.0717 32	104.6809 41	1108.445 01	1.556645 28	11.01333 94	15.64827 52	2.918306 95	31.13656 68	NonEnzyme Reg
1.824976 06	11.05328 41	24.25485 58	13.37455 7	50.50767 3	285.5523 1	1719.413 28	3750.066 47	2059.271 14	7814.303 2	42.20220 05	255.8989 46	561.6005 27	309.3077 76	1169.009 45	1.192050 29	7.266352	16.04239 88	8.805720 14	33.30652 12	NonEnzyme Reg
2.565608 96	16.98004	20.76636 62	7.298102 36	47.61011 75	410.7437 02	2653.370 72	3222.064 84	1116.139 7	7402.318 96	59.79747 87	392.9629 64	479.7680 76	167.8714 05	1100.399 92	1.719174 16	11.17645 48	13.52466 9	4.689945 89	31.11024 38	NonEnzyme Reg
0.421459 37	15.87405 44	26.33278 72	6.230470 37	48.85877 13	65.18973 47	2497.143 61	4115.756 04	965.8685 39	7643.957 92	9.727863 69	367.9098 97	608.3292 65	143.8614 1	1129.828 44	0.276728 66	10.44913 08	16.98566 03	4.010308 62	31.72182 83	NonEnzyme Reg
5.938768 56	25.47943 49	14.69354 35	2.059851 35	48.17159 83	925.8911 46	3943.848 46	2235.131 05	313.2094 3	7418.080 09	137.6714 47	588.7865 62	338.1480 79	47.50207 5	1112.108 16	3.930810 39	16.62313 36	9.484316 78	1.326936 25	31.36519 7	NonEnzyme Reg
2.072900 92	12.78136 22	22.40955 8	8.986958 27	46.25077 94	299.1210 32	1845.751 58	3278.391 04	1360.335 31	6783.598 96	47.30077 86	290.8413 96	510.1775 19	205.8415 25	1054.161 22	1.341143 41	8.120048 44	14.09453 01	5.659439 96	29.21516 19	NonEnzyme Reg
13.20182 95	20.62721 13	10.17536 98	4.474574 04	48.47898 46	2017.063 67	3178.583 08	1577.607 04	679.4090 13	7452.662 8	304.3140 35	477.6941 7	235.4497 34	102.6884 68	1120.146 41	8.576475 09	13.45276 99	6.620692 09	2.838262 69	31.48819 97	NonEnzyme Reg
2.172656 52	17.05069 44	23.14038 77	7.730487 02	50.09421 87	315.8882 38	2642.284 77	3647.739 71	1217.503 69	7823.416 41	49.68885 59	393.8507 11	535.6271 93	178.4190 06	1157.585 77	1.405315 96	11.16618 91	15.02018 29	4.924524 23	32.51621 22	NonEnzyme Reg
0	6.571898 88	25.35863 56	14.86489 32	46.79542 77	0	1030.602 79	3798.573 6	2145.077 68	6974.254 06	0	152.7299 7	583.0168 73	338.6107 77	1074.357 62	0	4.431591 43	16.65858 67	9.460738 07	30.55091 62	NonEnzyme Reg
1.783793 45	13.21497 96	23.26919 4	10.02259 09	48.29055 78	257.1939 79	1985.936 32	3505.212 7	1507.074 41	7255.417 4	40.58517 17	303.0501 4	533.8935 13	229.9969 44	1107.525 77	1.163743 85	8.510528 64	14.89083 99	6.415593 97	30.98070 63	NonEnzyme Reg
2.680743 44	13.29479 25	23.21293 43	9.450347 02	48.63881 73	401.6395 83	2027.478 72	3515.775 78	1383.863 71	7328.757 79	61.40157 82	306.2054 87	533.4321 49	215.3254 84	1116.364 7	1.718903 77	8.694708 42	15.06384 53	5.964599 9	31.44205 74	NonEnzyme Reg
1.516307 97	13.63945 49	21.24939 23	12.61299 98	49.01815 49	223.5843 69	2096.339 3	3258.700 74	1909.358 94	7487.983 35	34.77945 54	314.9990 98	489.7515 68	289.7562 73	1129.286 39	0.977082 77	8.918878 75	13.86697 64	8.121646 49	31.88458 44	NonEnzyme Reg
1.830474 3	15.92856 93	23.80645 33	5.563972 06	47.12946 89	279.9527 76	2507.609 43	3711.286 72	856.7186 9	7355.567 62	42.20769 32	369.432	551.1576 21	128.3937 66	1091.191 08	1.210341 92	10.55071 47	15.63475 99	3.580851 99	30.97666 86	NonEnzyme Reg
2.770261 1	22.28670 04	19.20025 03	4.917157 32	49.17436 91	445.3117 03	3527.688 68	3059.478 49	796.4330 41	7828.911 91	64.54530 65	518.0506 52	447.0020 83	114.8317 9	1144.429 83	1.832510 67	14.70917 15	12.72121 05	3.282444 1	32.54533 67	NonEnzyme Reg
1.002413 78	12.79131 52	25.81569 76	10.48585 31	50.09527 96	152.4141 37	1981.958 52	3987.171 32	1615.245 28	7736.789 26	23.11692 74	295.5054 78	595.5143 11	241.6164 28	1155.753 15	0.666164 37	8.394035 88	16.79725 74	6.793957 5	32.65141 51	NonEnzyme Reg
4.832036 1	31.17680 67	11.21560 02	2.061210 78	49.28565 37	723.3971 11	4781.434 08	1753.446 86	315.3022 13	7573.580 26	110.9889 11	719.1538 84	258.8830 03	47.18139 22	1136.207 19	3.191720 23	20.42810 45	7.172647 45	1.254813 39	32.04728 56	NonEnzyme Reg
0.496962 56	7.416622 62	20.52859 38	20.80008 9	49.24226 8	83.59594 95	1144.693 39	3116.152 12	3147.073 47	7491.514 93	11.74700 91	171.3783 02	472.5408 31	477.9474 79	1133.613 62	0.344862	4.906066 14	13.34071 13	13.34692 45	31.93856 39	NonEnzyme Reg
1.301586 17	25.65464 67	19.07107 52	2.442924 53	48.47023 26	195.9236 17	3877.389 99	2834.961 12	351.4408 59	7259.715 58	29.92383 97	588.8046 87	436.0291 44	55.72019 87	1110.477 87	0.854187 66	16.60461 74	12.12227 68	1.539959 64	31.12104 15	NonEnzyme Reg
2.023941 07	8.767846 03	22.60325 65	14.66397 47	48.05901 84	315.9070 33	1346.869 93	3475.262 02	2260.014 75	7398.053 73	47.00841 21	202.6565 85	521.4849 13	337.8332 68	1108.983 18	1.363774 92	5.794738 5	14.67113 08	9.402265 88	31.23191 01	NonEnzyme Reg
1.629522 02	11.70241 98	29.22655 14	6.515799 81	49.07429 31	246.5310 75	1817.468 94	4483.830 58	1005.685 49	7553.516 09	37.56352 61	271.7550 97	675.3360 63	150.6014 98	1135.256 18	1.078859 89	7.838817 15	19.14960 15	4.259984 06	32.32726 26	NonEnzyme Reg
1.558381 77	13.69622 45	21.07470 86	10.83699 71	47.16631 21	216.6972 87	1902.993 68	2917.279 16	1507.081 24	6544.051 37	35.24143 22	309.5140 91	475.6271 51	245.2828 26	1065.665 5	0.997678 02	8.685270 53	13.37476 75	6.838565	29.89628 11	NonEnzyme Reg
1.913404 43	13.79859 71	26.34287 97	6.492356 75	48.54723 8	298.0550 19	2144.768 86	3952.079 74	971.2768 8	7366.180 49	44.30432 92	319.5531 69	604.2877 68	148.8960 17	1117.041 28	1.281055 99	9.202713 25	17.08902 1	4.230679 89	31.80347 01	NonEnzyme Reg
2.388989 9	13.40222 55	25.01892 97	8.313262 09	49.12340 71	358.3116 56	2042.400 85	3825.048	1242.391 56	7468.152 06	54.84409 31	309.0732 7	576.9135 83	190.6109 43	1131.441 89	1.553832 11	8.781582 41	16.27712 01	5.336319 52	31.94885 41	NonEnzyme Reg
2.322744 66	18.62267 89	21.04336 63	8.138100 9	50.12689 08	358.7114 6	2944.284 04	3270.130 13	1256.626 96	7829.752 59	53.73945 73	433.6350 39	487.2207 4	187.5808 73	1162.176 11	1.522314 02	12.45662 23	13.83344 23	5.197388 09	33.00976 67	NonEnzyme Reg
1.044055 06	17.58007 71	21.36279 03	7.236992 61	47.22391 51	160.2699 25	2589.350 57	3197.010 63	1095.119 26	7041.750 39	24.09995 41	402.3766 26	490.0288 38	166.1421 36	1082.647 55	0.697200 88	11.41218 92	13.76088 64	4.605745 79	30.47602 22	NonEnzyme Reg
3.294214 32	19.37062 12	20.91837 22	5.273932 32	48.85714	516.2675 61	2995.074 01	3188.465 37	792.3917 78	7492.198 71	76.32864 54	447.5116 16	481.5693 51	121.2041 42	1126.613 75	2.159368 12	12.68824 69	13.60867 38	3.426186 55	31.88247 54	NonEnzyme Reg
6.361267 65	27.69213 74	11.73935 44	2.528032 66	48.32079 21	1074.539 55	4349.638 69	1768.840 01	379.7553 86	7572.773 63	150.4201 97	641.3436 59	268.5236 21	57.85870 9	1118.146 19	4.392215 71	18.17493 12	7.353414 77	1.577313 59	31.49787 52	NonEnzyme Reg

6.26934878	32.4790671	6.29340517	3.02421012	48.0660312	932.608689	4881.74239	947.281631	495.184962	7256.81767	144.30701	745.623898	144.243528	70.2107536	1104.38519	4.14654948	20.8572425	4.0102729	1.90174555	30.9158104	NonEnzymeReg
1.57609127	9.14404428	21.5508696	18.4428645	50.7138696	241.01623	1418.54038	3414.56903	2944.80841	8018.93405	36.4163291	211.752721	500.551518	428.664725	1177.38529	1.06424417	6.1157672	14.2628696	12.0869092	33.5297902	NonEnzymeReg
1.73383596	21.188779	20.8445747	4.69100219	48.4581919	271.215848	3137.11298	3083.08407	743.009297	7234.42219	40.3494966	485.400825	476.628716	109.076251	1111.45529	1.1569692	13.7889329	13.3415478	3.14328686	31.4307367	NonEnzymeReg
1.70149515	15.8375904	25.3850144	4.55564369	47.4797437	254.184517	2462.8014	3899.99708	710.979701	7327.9627	39.0373656	366.222212	584.726878	105.098183	1095.08464	1.09842045	10.3312923	16.3873834	2.91935939	30.7364556	NonEnzymeReg
2.80405013	17.4172281	20.7098387	6.45224302	47.3833599	446.237966	2739.82953	3210.16185	998.452748	7394.6821	65.3529155	404.229137	478.831609	148.667759	1097.08142	1.87230273	11.4420251	13.4232114	4.12869231	30.8662315	NonEnzymeReg
1.2175908	13.6584592	29.4540491	2.93386278	47.2639619	188.120766	2080.1159	4436.82079	420.429714	7125.48717	28.1831602	314.501011	676.260753	66.5551082	1085.50003	0.80001516	8.9256748	19.0912781	1.81882024	30.635784	NonEnzymeReg
1.10681905	22.9060964	21.3396381	3.83482653	49.18738	166.090375	3428.20585	3184.11921	581.561055	7359.9765	25.4085522	524.404866	487.994185	87.9922021	1125.79981	0.72849915	14.7406289	13.591927	2.42330658	31.4843616	NonEnzymeReg
0	9.83263281	26.0804941	12.1072769	48.0204038	0	1553.07981	4103.4625	2009.12571	7665.66801	0	228.558638	606.171079	284.003271	1118.73299	0	6.3317691	16.7715632	8.01250653	31.1158389	NonEnzymeReg
3.76693501	17.195226	16.3192963	10.8992384	48.1806957	594.711357	2654.68284	2519.98573	1667.39316	7436.77309	86.9684442	395.757341	374.894699	249.812042	1107.43253	2.40815033	10.9718587	10.3688778	6.84766993	30.5965568	NonEnzymeReg
1.48803779	12.9232021	22.6823585	9.94630788	47.0399063	226.320184	2005.4479	3484.93288	1482.30802	7199.00898	34.3037143	298.92786	523.244016	227.911874	1084.38746	0.96373705	8.4689178	14.7587612	6.37323953	30.564656	NonEnzymeReg
2.10894648	10.374101	28.3199099	7.35906574	48.1620231	333.079652	1670.27805	4359.44286	1122.42437	7485.22493	49.0270926	242.322013	653.304967	169.142631	1113.7967	1.40786315	6.9649717	18.4392032	4.72776239	31.5398004	NonEnzymeReg
2.79347122	17.5800693	22.3582069	6.53863592	49.2703834	442.903064	2691.09574	3378.44975	1008.29421	7520.74276	65.0476666	405.394533	513.163554	150.949475	1134.55523	1.90707482	11.598857	14.396187	4.25493728	32.157058	NonEnzymeReg
0	22.5086143	24.8288744	2.28103327	49.6185222	0	3522.45914	3830.70738	369.383555	7722.55007	0	522.197755	573.880491	53.1097625	1149.18801	0	14.958336	16.2650618	1.48311043	32.7065091	NonEnzymeReg
2.25415449	16.1993319	25.821534	4.80455932	49.0795797	346.54252	2513.4996	3912.9824	714.650975	7487.67549	52.1219451	376.103941	595.924345	110.324301	1134.47453	1.50534349	10.826843	16.8784803	3.12247856	32.333146	NonEnzymeReg
4.13407501	23.5246064	13.5129663	4.97408464	46.1457323	625.087148	3547.16842	2000.05288	744.68344	6916.99189	95.0712451	540.627036	309.096258	113.912975	1058.70751	2.72253778	15.303063	8.6453302	3.15204009	29.8229681	NonEnzymeReg
1.54092784	8.13625243	21.6365201	14.6129778	45.9266782	225.792193	1210.88885	3158.38997	2075.21697	6670.28797	35.333463	186.51598	493.556808	330.876239	1046.28249	1.00807156	5.2501447	13.748656	9.14295236	29.1498248	NonEnzymeReg
3.01383898	18.0989622	18.5675842	7.51777599	47.1981614	469.227635	2798.0934	2823.19266	1125.738	7216.25169	69.9542775	418.323202	427.940081	172.460543	1088.6781	2.00012808	11.803496	12.090278	4.82412533	30.7180282	NonEnzymeReg
1.86860696	10.3536218	26.233931	10.1865396	48.6426993	286.525772	1589.52828	4007.9882	1507.01733	7391.05959	43.1111148	239.01155	604.331597	233.045137	1119.4994	1.24271891	6.8138754	16.993427	6.47815191	31.5281736	NonEnzymeReg
0.49529028	18.1169056	22.0189072	6.18415955	46.8152626	77.9297741	2736.73765	3254.07503	918.845407	6987.58785	11.4909726	416.633242	504.338191	141.714863	1074.17727	0.32742555	11.789449	14.200085	3.91965946	30.2366197	NonEnzymeReg
2.87257733	16.1354443	24.4470676	5.64040278	49.095492	449.184062	2494.24176	3749.55893	830.482841	7523.46756	66.4909578	372.928928	564.638246	129.00083	1133.05896	1.88836394	10.631907	16.085626	3.62082662	32.2267185	NonEnzymeReg
1.64701947	7.12020809	25.4982699	14.6186082	48.8841056	254.8137	1067.94181	3852.5524	2212.75737	7388.06528	38.1073286	163.225574	584.500483	334.849382	1120.68277	1.11274885	4.6649495	16.372364	9.24010132	31.3901639	NonEnzymeReg
2.15361261	17.8318675	26.1336339	3.5980809	49.7171949	325.054583	2769.34326	4028.26069	541.208971	7663.8675	49.6277598	412.845163	603.91925	82.4924468	1148.88462	1.42309445	11.797965	17.126876	2.30866876	32.6566001	NonEnzymeReg
4.42017809	24.8759114	18.1276202	1.06014521	48.4838549	675.459721	3730.56252	2744.38707	153.824888	7304.23421	101.873617	571.090238	417.123084	24.090667	1114.17761	2.95555266	16.259817	11.729062	0.64000683	31.5844391	NonEnzymeReg
0	13.4156307	26.0139137	10.8809578	50.3105022	0	2138.19681	4083.82456	1665.60798	7887.62934	0	311.94354	601.387898	250.678105	1164.00954	0	8.8306436	16.783863	6.94064015	32.5551474	NonEnzymeReg
1.58030502	13.3690672	26.036742	6.01313477	46.9992491	245.320407	2011.66642	3911.11746	898.064692	7066.16898	36.5734522	307.425412	597.794102	137.975495	1079.76846	1.03316003	8.6824791	16.817024	3.86993641	30.4026004	NonEnzymeReg
0.69771553	13.1519279	18.2977039	16.0362851	48.1836324	108.807367	2055.8603	2819.09046	2464.83293	7448.59106	16.1168523	304.824271	422.986115	369.514807	1113.44205	0.44711796	8.5889606	11.705646	10.0211115	30.7628347	NonEnzymeReg
3.04528024	21.4935055	20.9272008	1.61802577	47.0840123	452.850164	3203.8307	3100.3214	245.711913	7002.71418	69.9431069	491.984578	477.847162	37.1019925	1076.87684	1.99030813	13.770585	13.244804	1.03063921	30.0362999	NonEnzymeReg
2.80303233	17.7786979	20.4866938	9.28305026	50.3514743	414.886082	2693.09431	3104.20364	1414.69833	7626.88232	64.1308642	408.858105	471.157414	213.944172	1158.09056	1.80402629	11.570169	13.356425	6.07233118	32.8029517	NonEnzymeReg
0.96808348	14.4941271	26.6479751	7.8823866	49.9925723	141.732893	2233.34874	4180.29546	1230.35852	7785.73561	22.065294	334.104966	617.434214	181.917904	1155.52238	0.62348408	9.4946203	17.586439	5.10721053	32.8117496	NonEnzymeReg
6.87960961	17.5140221	15.6668464	7.89491478	47.9553929	1042.00869	2615.47839	2504.90059	1258.25621	7420.64388	158.595905	402.427894	365.07323	183.308662	1109.40569	4.47943318	11.247474	10.345352	5.15595364	31.2281864	NonEnzymeReg
0.71958576	18.0724716	16.7313738	13.785055	49.3084861	106.024379	2699.97153	2477.40886	2046.48978	7329.89454	16.4338372	413.653321	382.344345	315.124145	1127.55565	0.46376039	11.571346	10.67494	8.76882506	31.4788777	NonEnzymeReg

0.49529028	18.1169056	22.0189072	6.1841595	46.8152626	77.9297741	2736.73765	3254.07503	918.845407	6987.58785	11.4909726	416.633242	504.338191	141.714863	1074.17727	0.3274255	11.7894493	14.2000854	3.91965946	30.2366197	NonEnzymeReg
3.50213333	20.0963173	20.9305884	3.4489581212	47.9779971	498.55179	2943.57555	3107.77203	533.826758	7083.72613	79.4602121	458.607877	479.254019	80.1021848	1097.42429	2.2593628	12.897691	13.4615217	2.28069086	30.8992719	NonEnzymeReg
9.17116308	8.67977513	8.48931257	12.4320529	38.7723037	1402.6949	1309.3987	1271.90997	1851.00678	5835.01035	210.046802	198.744471	194.80171	285.249236	888.842219	5.7105259	5.4652323	5.46022962	8.03664195	24.6726368	NonEnzymeReg
1.91754677	12.8283385	23.514591	9.8258708	48.0863543	284.71924	1943.78247	3525.26071	1454.54529	7208.3077	43.9286631	295.591816	540.680648	225.076058	1105.27719	1.2180405	8.3195737	15.231843	6.27457653	31.0440337	NonEnzymeReg
3.61927493	20.9780305	17.4672661	5.6972903838	47.7618618	530.297919	3230.88428	2649.63994	844.282493	7255.10463	82.8388488	484.691741	402.248583	130.552666	1100.33184	2.3420329	13.691526	11.39159555	3.69778244	31.1229375	NonEnzymeReg
2.00702045	9.65752634	26.6576914	9.1920354545	47.5142736	306.58058	1483.8181	4107.40042	1378.59051	7276.38961	46.3301382	222.833401	614.836976	210.781525	1094.78204	1.3110509	6.3203081	17.24805	5.87485251	30.7542665	NonEnzymeReg
9.94432531	9.49645168	9.91651959	9.2974003939	38.654697	1364.39084	1287.60982	1326.42964	1270.7509	5249.18121	223.302516	212.702975	221.338862	207.978499	865.322852	6.0577447	5.7330543	5.86476937	5.43593344	23.0915021	NonEnzymeReg
5.1690436	27.8550254	15.0008557	0.9456244949	48.9705492	797.51534949	4312.6408	2251.34177	124.60542	7486.10334	120.148967	645.774226	345.113048	21.4518192	1132.48806	3.4440569	18.352463	9.71498993	0.58553421	32.0970446	NonEnzymeReg
5.90982773	24.6990247	13.4858493	2.9296595752	47.0243613	902.74581919	3607.86412	1978.60835	414.235704	6903.45399	136.168852	562.864547	307.592741	66.39576 52	1073.02191	3.888893	15.654502	8.47000004	1.87182485	29.8852208	NonEnzymeReg
3.29210987	20.0144057	20.925339	4.3627816162	48.5946362	490.07141	2989.64934	3060.30895	631.601025	7171.63073	75.60725 93	459.829203	478.027498	99.08536 26	1112.54932	2.1911321	13.083794	13.46043 27	2.72054505	31.4559034	NonEnzymeReg
3.13541628	17.8044724	19.6547865	7.5658835252	48.1605586	489.137477	2717.75876	2976.07817	1127.65658	7310.63099	72.75852 32	410.330711	452.380174	173.40344	1108.87285	2.0816469 6	11.554345 8	12.754434	4.83575808	31.2261848	NonEnzymeReg
0	14.370137 8	22.8252062	12.4705914	49.6659354	0	2228.9596	3485.72626	1877.62053	7592.30639	0	332.822699	526.090467	286.276573	1145.18974	0	9.510124	14.890395 6	8.03273897	32.4332585	NonEnzymeReg
0.95371204	18.4955143	18.5310963	11.3490945	49.3294171	151.69851 5	2845.00121	2814.27489	1674.66261	7485.63722	22.141311 5	427.061013	426.048529	259.261485	1134.51234	0.6325876	12.169141 6	11.934709 5	7.20737821	31.9438171	NonEnzymeReg
2.66170838	15.4162783	25.7424174	5.4594092139	49.2798134	444.922812	2456.08917	3998.14396	817.638579	7716.79452	62.965120 9	359.399836	595.646895	125.270526	1143.28238	1.8549988 3	10.330140 9	16.866657 7	3.49114931	32.5429467	NonEnzymeReg
1.78856021	19.5458797	17.7862181	9.4551104949	48.5757685	255.730456	2824.91482	2612.32443	1410.2671	7103.2368	40.715782 8	445.940901	407.067614	216.578533	1110.30283	1.1453576 4	12.513395	11.346518	5.97041852	30.9756936	NonEnzymeReg
2.41700577	16.6206604	21.4065639	7.7728210601	48.217051	352.376127	2502.25189	3233.44468	1165.87324	7253.94593	55.263479	382.043058	492.261604	178.507287	1108.07543	1.5523752 8	10.809222 9	13.880488 3	5.00362588	31.2457123	NonEnzymeReg
2.62866989	17.6815858	25.3215562	2.6258772828	48.2576892	412.824277	2777.4354	3884.42606	400.803103	7475.48883	60.944587 2	410.374067	584.067179	60.550993 1	1115.93683	1.7350535 7	11.721180 2	16.501271	1.70218501	31.6596898	NonEnzymeReg
2.24029434	11.7217354	22.3233683	12.2613976	48.5467956	353.45646	1821.82813	3373.10509	1816.77392	7365.1636	51.956019 1	271.281286	513.020057	280.390372	1116.64773	1.4848689 5	7.7389440 7	14.457914 6	7.81942339	31.501151	NonEnzymeReg
5.30961779	27.8956034	11.6535891	3.1575291895	48.0163395	817.458421	4336.66173	1812.84872	460.277234	7427.2461	122.581819	644.706888	269.434288	71.763103 5	1108.4861	3.4952405 9	18.194077 2	7.57382783	1.96681753	31.2299632	NonEnzymeReg
3.56935042	9.6870718 4	27.023711	7.2021450 1	47.9984874	518.70274	1457.43127	4155.76537	1124.76174	7335.87712	81.372441 8	222.230596	622.152079	166.440348	1104.1221	2.2976318 4	6.2210496 7	17.282131 6	4.66895068	30.8096786	NonEnzymeReg
3.04528024	21.4935055	20.9272008	1.6180257 7	47.0840123	452.850164	3203.8307	3100.3214	245.711913	7002.71418	69.943106 9	491.984578	477.847162	37.101992 5	1076.87684	1.9903081 3	13.770548 5	13.24480 41	1.03063921	30.0362999	NonEnzymeReg
2.57891044	26.0915111	17.7926468	1.6672235	48.2701302	396.449468	4086.72522	2735.40661	255.125127	7495.42091	59.476802 6	603.411379	409.694383	38.465867	1114.2987	1.6859801 2	17.042539 7	11.48784 17	1.08874904	31.3984467	NonEnzymeReg
0	7.6076702 1	20.6088837	17.2827659	45.4993199	0	1149.28473	3102.49202	2582.20487	6833.98162	0	174.743891	473.061341	396.094804	1043.90004	0	4.9304151 2	13.2765	11.1037988	29.3107139	NonEnzymeReg
1.87419852	16.0134274	24.1297864	6.5932010734	48.6106134	287.836017	2465.55486	3644.93933	972.860408	7371.19062	43.142091 8	369.491072	554.569942	150.480297	1117.6834	1.1991466 7	10.384454 6	15.61345 96	4.19005 07	31.3871115	NonEnzymeReg
5.39306156	26.8225356	14.2459729	3.2574134242	49.7189835	849.291157	4233.5717	2225.17842	488.284849	7796.32613	125.408744	623.220834	329.987531	74.640 28	1153.25759	3.6036691 2	17.764773 1	9.33683312	2.05696968	32.76224 5	NonEnzymeReg
11.705847	17.0820378	15.550343	5.4683476161	49.8065753	1845.09817	2487.65447	2224.15878	749.789184	7306.7006	271.461401	389.772597	353.140284	123.762313	1138.13659	7.7223925 6	10.986575 8	9.70429352	3.39345503	31.8067169	NonEnzymeReg
3.90224667	21.5117765	18.740715	5.1715097676	49.326248	576.909664	3214.22829	2782.99415	734.405729	7308.53783	89.380613 6	493.175255	429.099115	117.191605	1128.84659	2.5502895 1	13.877779 1	12.09390 04	3.24172205	31.763691	NonEnzymeReg
0.63620361	10.5023	25.2866662	12.7633284	49.1884982	96.1055429	1612.99548	3905.12828	1918.87211	7533.1014	14.607056 1	241.806955	582.34002	292.109363	1130.86339	0.4186973 8	6.8666842 5	16.35630 52	8.14221452	31.7839014	NonEnzymeReg
12.5044581	12.2852901	17.7454969	7.2245416468	49.7597868	1857.02009	1905.13947	2921.00558	1064.35385	7747.51899	285.750236	283.785391	416.125518	165.491485	1151.15263	8.0134041 6	7.9740209 7	11.83770 68	4.66595034	32.4910822	NonEnzymeReg
5.20722053	30.7678549	9.9212482 8	2.0825488 9	47.9788726	747.522832	4506.48582	1456.899	318.409884	7029.31754	118.770615	703.348268	226.587798	47.693534	1096.40021	3.3568740 7	19.900166	6.35228825	1.30947839	30.9188067	NonEnzymeReg
2.18863313	25.042196	18.999707	3.8584372	50.0889709	340.747533	3987.84301	3002.22432	589.824618	7920.63948	50.670072 4	582.412294	440.574835	89.104 82	1162.76204	1.4278158	16.565 71	12.40050 35	2.48859721	32.8828336	NonEnzymeReg

1.22747153	6.78227166	23.8202081	16.0734808	47.9034321	197.546299	1068.20758	3644.52366	2403.81612	7314.09366	28.7241806	157.754376	550.321283	369.583038	1106.38288	0.84066981	4.5443968	15.7055743	10.4286767	31.5193176	NonEnzymeReg
0.38510521	13.672464	19.9973719	12.6497984	46.7047395	62.9833058	2114.06255	3018.94658	1862.88568	7058.87811	9.0525885	316.147408	459.739336	289.119741	1074.05907	0.26184582	9.0414252	13.0090537	8.10688423	30.4192089	NonEnzymeReg
1.72835953	12.88289	24.3182651	8.49522244	47.424743	269.433763	1995.25222	3685.7004	1261.39393	7211.78031	40.0488963	297.292914	558.16252	194.012705	1089.51704	1.13726396	8.3243236	15.5191285	5.35285947	30.3335813	NonEnzymeReg
1.91754677	12.82833485	23.514591	9.82587808	48.0863543	284.71924	1943.78247	3525.26071	1454.54529	7208.3077	43.9286631	295.591816	540.680648	225.076058	1105.27719	1.21804105	8.3195737	15.231843	6.27457653	31.0440337	NonEnzymeReg
2.31484519	14.38029026	20.7171492	11.2388814	48.6511683	332.021474	2161.95659	3127.61165	1692.60025	7314.18997	52.6024022	330.309516	476.569563	258.55393	1118.03541	1.47224978	9.3338678	13.5520741	7.28642009	31.6446126	NonEnzymeReg
2.88578692	22.84068024	18.9633688	3.26127244	47.9511105	431.453675	3443.46247	2828.23985	458.816808	7161.9728	66.3299367	525.093189	434.87014	73.9849177	1100.27818	1.91875437	15.01346	12.2577898	2.04004297	31.2300471	NonEnzymeReg
11.9580746	11.7978607	12.838672	13.285218	49.8798252	1819.60363	1801.34404	1894.02643	1944.60301	7459.57711	274.116084	270.977541	292.644518	302.053075	1139.79122	7.52539892	7.4941222	8.07969513	8.42218318	31.5213985	NonEnzymeReg
11.5440515	11.8691152	22.0978859	7.09493029	52.6059829	1685.91827	1764.7981	3498.90374	1122.93307	8072.55318	262.546759	271.388416	514.040933	163.333646	1211.30975	7.23015055	7.5993049	14.7194403	4.48998022	34.038876	NonEnzymeReg
0	18.9111318	20.7791512	8.45126455	48.1415476	0	3040.82202	3287.30582	1261.43854	7589.56639	0	441.358504	482.894755	193.510031	1117.76329	0	12.7612363	13.7973016	5.39893952	31.9574774	NonEnzymeReg
2.17877625	11.6035725	22.1926808	11.8889	48.1170113	314.692101	1744.82708	3384.75278	1776.56927	7256.21157	49.5671354	265.962456	509.402888	271.421982	1102.08145	1.41167237	7.4876913	14.1775484	7.45384946	30.6883746	NonEnzymeReg
5.63564257	23.5157589	15.5558329	5.27400375	49.9812381	805.790421	3414.89035	2283.8137	774.129743	7278.62421	127.90265	536.50996	356.258099	120.746133	1141.41682	3.56003402	15.1836735	10.1091448	3.48583842	32.3386907	NonEnzymeReg
3.28542915	20.2377706	23.4489301	2.3475318	49.3196616	517.091393	3162.02433	3675.95382	370.026477	7725.09603	76.1707429	468.208088	542.170051	54.3600383	1140.90892	2.160185	13.2412332	15.1824854	1.51174622	32.0956499	NonEnzymeReg
1.51472843	7.63869935	17.7693514	16.878561	45.595385	222.233141	1097.44357	2653.01845	2624.87677	6870.26664	35.1760912	175.799575	410.637132	391.780184	1054.71449	0.97047612	4.8191542	11.2879504	10.892861	29.1048455	NonEnzymeReg
5.11023225	23.0149636	18.1162559	4.02642122	50.267873	817.817919	3538.29875	2761.17611	651.436464	7768.72925	119.00742	530.56862	416.79676	93.7623363	1160.13514	3.41251245	14.9740589	11.6858321	2.62530682	32.6977103	NonEnzymeReg
5.30961779	27.8956034	11.6535891	3.15752918	48.0163395	817.458421	4336.66173	1812.84872	460.277234	7427.2461	122.581819	644.706888	269.434288	71.7631035	1108.48661	3.49524059	18.1940772	7.57382783	1.96681753	31.2299632	NonEnzymeReg
3.29210987	20.0144057	20.925339	4.36278161	48.5946362	490.07141	2989.64934	3060.30895	631.601025	7171.63073	75.6072593	459.829203	478.027498	99.0853626	1112.54932	2.19113121	13.0837944	13.4604327	2.72054505	31.4559034	NonEnzymeReg
2.269886	16.2155828	19.1768613	10.7099805	48.3723105	331.461553	2411.71487	2908.61432	1623.07917	7274.8699	52.0682736	371.512218	440.683845	245.795321	1110.05966	1.47337999	10.4272105	12.2584166	6.77725478	30.9362619	NonEnzymeReg
1.42384593	19.1019809	23.933161	4.58438665	49.5172319	243.543437	3070.12007	3668.79497	674.252605	7724.34354	33.6893445	445.583021	552.427575	104.727671	1147.15509	0.96961894	12.7572325	15.5812853	2.88379949	32.4858476	NonEnzymeReg
3.30919526	18.8289759	22.0054634	5.85059344	49.994228	525.845462	2967.57689	3384.22469	923.272083	7800.91913	76.954911	437.523677	508.05596	135.852053	1158.38661	2.20278151	12.4937953	14.4008204	3.85206336	32.9494606	NonEnzymeReg
3.64782641	14.8775228	21.9595967	8.65799376	49.1429395	569.280646	2283.9368	3393.09973	1336.82246	7583.13964	84.7711766	343.702671	506.710843	199.503465	1134.68816	2.47479356	9.8506846	14.2918549	5.59746304	32.2147919	NonEnzymeReg
2.32929702	15.8139326	25.1899059	5.24681128	48.5799469	363.945214	2400.28114	3869.98206	810.022062	7444.23048	54.0393268	363.737743	580.32094	120.537555	1118.63556	1.55482606	10.2830887	16.3819145	3.31462899	31.5344582	NonEnzymeReg
4.93339993	32.0963123	10.1851081	1.40163774	48.6164577	768.862164	4880.5993	1559.81973	197.913651	7407.19484	114.363901	739.15654	234.757115	31.7006044	1119.97816	3.30248631	21.0930931	6.62438437	0.87128087	31.8912447	NonEnzymeReg
2.43224615	16.8060955	18.9483619	10.129619	48.3163225	373.218551	2560.99232	2958.53774	1570.77568	7463.5243	56.0819555	387.393575	437.929078	233.806722	1115.21133	1.57800719	11.0321639	12.2998363	6.50871594	31.4187233	NonEnzymeReg
2.22447361	12.7937347	24.1972354	7.68148056	46.8969243	311.426138	1899.03896	3686.65474	1168.16631	7065.28615	50.373896	292.750439	556.242035	176.197516	1075.56389	1.40869633	8.2195112	15.5340274	4.86237265	30.0246064	NonEnzymeReg
2.79574857	16.5289874	21.998786	6.85977809	48.1833	456.255485	2633.49409	3432.97255	1045.64445	7568.36657	65.4593349	384.650537	509.395181	157.767202	1117.27226	1.87542214	10.9390879	14.3992643	4.39548231	31.6092567	NonEnzymeReg
4.09367005	15.2701309	22.0693263	8.77885857	50.2119857	600.088984	2255.18453	3308.72318	1325.78707	7489.78376	93.6433193	349.473979	505.964972	201.165206	1150.24748	2.64731615	9.8864210	14.2462195	5.56991338	32.34987	NonEnzymeReg
10.7877204	13.3041234	11.6971553	11.4476057	47.2366048	1621.47178	1947.82531	1703.73581	1670.74581	6943.77871	248.254579	303.309096	265.501757	259.559792	1076.62522	6.97293507	8.4226194	7.23573052	6.99504499	29.6263307	NonEnzymeReg
4.57353983	27.2235481	15.1876746	1.96246799	48.9472305	720.192138	4191.5784	2336.44775	299.869721	7548.08801	105.778332	626.481476	349.608609	45.2873755	1127.15579	2.97224878	17.4999638	9.78763893	1.28974705	31.5495986	NonEnzymeReg
0.69626319	20.5562156	23.2065657	5.1555235	49.6145681	112.713354	3247.35893	3661.04408	832.286897	7853.40326	16.240673	476.325611	537.180643	120.161736	1149.90863	0.46879122	13.3770634	15.0171131	3.37330856	32.2362763	NonEnzymeReg
1.48197198	8.60381056	26.7420272	10.5785043	47.4063141	214.130842	1259.8001	3925.03654	1561.54495	6960.51243	33.7404617	196.47536	609.976767	241.489999	1081.68259	0.95738413	5.5809936	17.1262288	6.74842943	30.4130361	NonEnzymeReg
4.26636972	23.995517	15.1145111	3.12215347	46.4985512	649.034195	3581.70398	2217.20748	467.516369	6915.46202	98.0396664	549.151537	344.349369	71.3216527	1062.86223	2.78053033	15.3181265	9.51945826	1.96972473	29.5878398	NonEnzymeReg

6.384472	20.26685	18.41360	3.808786	48.87372		3080.384	2831.576	583.7859	7469.380	146.7036	465.5197	424.3374	87.73482	1124.295	4.108537	13.10358	11.95665	2.455390	31.62416	
7	86	96	54	75	973.6336	48	93	1	91	41	9	77	52	73	8	39	19	43	41	NonEnzyme Reg
2.671850	14.08474	28.51992	3.454187	48.73069	407.8150	2115.404	4324.371	519.3613	7366.952	61.65116	323.3289	655.1844	79.12414	1119.288	1.747562	9.120478	18.43679	2.218048	31.52288	
6	06	1	71	99	31	69	79	65	88	52	85	56	28	75	42	85	98	56	96	NonEnzyme Reg
1.925991	11.05665	22.92214	12.20089	48.10568	273.1561	1586.692	3382.655	1792.013	7034.517	43.64126	251.4304	523.9921	278.4735	1097.537	1.207891	7.065488	14.83285	7.815816	30.92205	
34	21	44	58	36	21	36	92	13	53	28	01	21	98	38	93	56	4	94	14	NonEnzyme Reg
1.674825	10.51651	21.95394	13.87209	48.01739	254.4492	1642.544	3468.917	2159.479	7525.390	38.69565	243.7291	509.8864	320.7989	1113.110	1.095597	6.939402	14.46887	9.002757	31.50662	
6	82	75	9	03	87	7	66	24	89	26	3	65	1	16	18	87	19	76	97	NonEnzyme Reg
0.900095	20.95825	20.39196	6.163228	48.41354	141.9634	3314.058	3133.716	917.8456	7507.584	20.87184	486.4436	471.3778	141.3414	1120.034	0.589623	13.76004	13.34390	3.933048	31.62661	
14	74	02	9	17	16	97	2	61	24	97	56	04	01	71	4	17	62	61	99	NonEnzyme Reg
1.785589	14.37046	23.73906	7.619042	47.51416	263.3387	2184.718	3611.647	1135.634	7195.339	40.84538	330.7719	546.5665	174.5748	1092.758	1.140096	9.355364	15.45060	4.901676	30.84774	
02	53	38	05	01	65	73	97	35	8	81	69	69	51	78	86	95	74	69	59	NonEnzyme Reg
1.920772	21.83273		5.315920	47.29293	317.2324	3421.242	2831.576	789.8927	7359.944	45.19193	506.6104	421.6295	121.3385	1094.770	1.321358	14.47615	11.85417	3.320489	30.97217	
21	03	18.22351	19	27	15	59	36	06	07	9	06	93	41	48	2	53	34	16	61	NonEnzyme Reg
1.227471	6.782271	23.82020	16.07348	47.90343	197.5462	1068.207	3644.523	2403.816	7314.093	28.72418	157.7543	550.3212	369.5830	1106.382	0.840669	4.544396	15.70557	10.42867	31.51931	
53	66	81	08	21	99	58	66	12	66	06	76	83	38	88	81	8	43	67	76	NonEnzyme Reg
2.151848	12.35746	23.34735	11.41528	49.27195	320.6502	1874.415	3560.869	1724.459	7480.395	49.23711	284.0388	537.3911	262.2213	1132.888	1.394732	8.025850	15.13870	7.363358	31.92264	
06	07	71	86	45	77	74	88	45	35	86	27	93	23	46	48	42	28	98	47	NonEnzyme Reg
6.980757	25.54304	14.06713	2.745567	49.33650	1086.286	3913.551	2170.367	426.8012	7597.007	161.7313	588.7788	323.8846	63.15675	1137.551	4.574734	16.53344	9.015855	1.729332	31.85336	
71	55	9	69	99	93	45	54	41	16	87	61	28	1	63	33	36	05	78	58	NonEnzyme Reg
1.580305	13.36906	26.03674	6.013134	46.99924	245.3204	2011.666	3911.117	898.0646	7066.168	36.57345	307.4254	597.7941	137.9754	1079.768	1.033160	8.682479	16.81702	3.869936	30.40260	
02	72	2	77	91	07	42	46	92	98	22	12	02	95	46	3	16	45	41	04	NonEnzyme Reg
3.236632	15.59743	20.55540	9.010750	48.40022	531.4179	2487.016	3132.944	1371.268	7522.647	75.98588	364.8748	474.9770	207.5434	1123.381	2.194887	10.39913	13.34897	5.799924	31.74292	
08	36	49	48	11	82	31	59	59	47	72	1	33	95	23	9	69	17	79	13	NonEnzyme Reg
1.933459	21.31497	10.63403	10.79589	44.67836	299.5688	3076.525	1533.861	1531.197	6441.153	45.01287	487.8785	242.8029	244.8568	1020.551	1.287427	13.56386	6.708900	6.795925	28.35611	
72	4	92	15	45	94	32	24	96	42	14	01	3	22	12	79	07	08	06	36	NonEnzyme Reg
2.216706	12.21862	20.73051	7.438737	42.60458	320.5086	1736.471	2989.441	1072.298	6118.720	50.46017	277.3071	471.5507	169.2901	968.6082	1.397000	7.692785	13.13373	4.742120	26.96564	
91	74	34	12	48	82	02	77	54	01	54	8	26	8	61	94	96	53	16	24	NonEnzyme Reg
0.731999	22.91378	22.78604	4.227224	50.65906	111.7551	3588.636	3610.362	696.8892	8007.643	16.77675	528.8020	527.6460	98.95813	1172.183	0.465742	14.82618	14.75657	2.785398	32.83390	
8	82	85	58	1	31	26	83	43	47	63	75	53	09	02	7	24	8	32	14	NonEnzyme Reg
1.979828	21.51462	22.00852	2.891630	48.39460	311.6925	3287.145	3314.334	418.8275	7332.000	46.10819	496.3349	505.3687	65.67998	1113.491	1.337144	14.06332	14.14344	1.803652	31.34756	
56	75	36	25	99	06	94	91	73	93	76	01	43	25	82	7	78	46	82	99	NonEnzyme Reg
2.178181	12.93934	23.35790	9.535008	48.01043	346.7526	1973.263	3529.372	1468.598	7317.987	50.89752	298.5262	535.6318	219.3864	1104.442	1.479494	8.469041	14.85646	6.060276	30.86528	
25	48	09	79	57	05	27	6	79	26	94	15	79	13	04	51	42	83	49	07	NonEnzyme Reg
3.870730	19.01015	20.72087	4.200066	47.80182	614.6141	2919.113	3213.734	644.2216	7391.683	90.01644	438.5616	478.4491	96.86867	1103.895	2.584175	12.43876	13.47635	2.728665	31.22795	
5	15	8	97	7	61	31	4	71	54	41	31	41	54	89	7	26	35	63	74	NonEnzyme Reg
3.068544	15.41452	23.73807	6.298241	48.51938	477.9875	2397.593	3648.728	964.8661	7489.176	71.01405	356.8915	547.2132	145.2014	1120.320	2.035370	10.19236	15.34413	4.061656	31.63353	
46	53	28	86	44	94	73	79	08	22	41	85	42	38	32	84	89	6	84	25	NonEnzyme Reg
	10.78524	27.72314	10.16174	48.67012		1721.346	4323.895	1526.936	7572.179		251.0605	641.1499	232.9054	1125.115		7.211756	18.03983	6.471856	31.72345	
0	04	12	7	86	0	72	55	79	06	0	77	08	06	89	0	89	83	47	17	NonEnzyme Reg
8.152317	31.89390	5.911608	1.942510	47.90034	1322.425	5076.052	918.0394	276.0449	7592.562	190.9163	742.9735	136.2589	43.93701	1114.085	5.538138	21.19825	3.788151	1.173117	31.69766	
35	77	38	62	41	03	88	37	36	29	6	79	13	19	86	87	52	81	03	29	NonEnzyme Reg
4.796888	31.11452	11.10639	1.684633	48.70244	804.5103	5059.973	1822.161	235.3400	7921.985	113.2190	727.2272	260.5901	38.65984	1139.696	3.196789	20.33454	7.335540	1.084892	31.95176	
46	61	93	11	7	84	41	48	9	36	22	06	55	62	23	96	28	45	19	54	NonEnzyme Reg
2.165660	10.73248	21.15850	14.04631		364.8083	1743.166	3431.478	2191.338	7730.791	51.00530	250.8271	494.4272	324.8648	1121.124	1.471633	7.121746	14.04462	9.130622	31.76862	
04	5	29	2	48.10296	12	29	22	77	59	2	97	73	05	58	73	97	14	41	45	NonEnzyme Reg
2.548798	14.96512	21.30241	10.21921	49.03554	401.2038	2317.920	3194.034	1494.112	7407.271	59.13258	346.2141	488.8038	233.0708	1127.221	1.689259	9.863173	13.77320	6.548371	31.87400	
25	35	65	06	89	33	63	27	55	29	72	62	89	27	47	85	2	32	05	73	NonEnzyme Reg
5.694391	29.17851	12.33225	1.502035	48.70720	860.7069	4504.304	1881.327	207.6986	7454.037	131.7428	674.9449	284.0995	33.89979	1124.687	3.786837	19.25880	8.038080	0.917638	32.00136	
16	86	97	75	52	68	07	95	73	66	46	06	3	73	08	38	63	12	91	28	NonEnzyme Reg
2.721966	12.80650	25.69986	6.605910	47.83424	419.0001	1945.011	3907.536	992.4419	7263.989	62.89348	295.0369	590.8532	151.1488	1099.932	1.815458	8.434627	16.63171	4.216663	31.09846	
42	32	52	94	57	05	23	64	03	88	29	31	62	27	5	61	19	12	19	01	NonEnzyme Reg
1.803591	14.55389	23.70737	7.591507	47.65636	270.9446	2205.420	3584.598	1176.181	7237.144	41.62471	335.7440	545.8526	175.5805	1098.801	1.186144	9.534361	15.45106	4.951646	31.12321	
85	73	01	36	67	27	16	81	1	7	22	01	1	03	83	31	72	65	44	9	NonEnzyme Reg
2.888153	22.49989	19.10344	4.003987	48.49547	435.9336	3374.123		587.0697	7265.085	66.29980	514.9577	437.0919	91.19400	1109.543	1.888874	14.41085	12.07822	2.472707	30.85065	
3	29	33	52	7	3	26	2867.959	7	66	87	48	04	94	47	46	19	1	12	45	NonEnzyme Reg
0.328198	17.55265	23.84579	7.227728	48.95437	49.10453	2644.924	3572.074	1054.352	7320.456	7.561288	404.4255	548.0443	165.0092	1125.040	0.220281	11.56875	15.49069	4.574316	31.85405	
71	02	57	01	26	8	92	83	22	51	6	39	73	49	45	36	71	93	66	44	NonEnzyme Reg
0.808228	16.60235	22.09531	8.600617	48.10651	124.7762	2555.536	3424.625	1336.839	7441.777	18.64120		510.3118	198.6793	1110.223	0.527864	10.75900	14.41874	5.598003	31.30361	
65	58	27	4	46	1	92	25	51	89	1	382.5906	99	57	06	18	71	24	21	68	NonEnzyme Reg
0.483534	15.89699	21.44266	10.66644	48.48964	71.23128	2403.329	3181.260	1619.016	7274.837	11.07681	365.8010	491.3556	245.2402	1113.473	0.319652	10.37038	13.89687	6.882251	31.46915	
11	05	83	8	08	18	43	52	21	44	32	05	24	89	73	13	19	02	84	61	NonEnzyme Reg

1.131867 29	9.635790 93	22.51969 98	12.85438 45	46.32596 03	179.3128 94	1514.994 95	3614.436 92	2007.533 18	7342.238 11	26.30361 1	223.9573 4	525.4764 26	297.5908 21	1077.512 18	0.747802 02	6.331729 44	14.91610 31	8.344540 34	30.45440 33	NonEnzyme Reg
3.906174 57	23.23659 43	21.12442 61	1.135212 33	49.40240 73	621.8173 14	3636.350 73	3242.918 51	175.6063 19	7676.692 87	91.27347 46	539.2396 59	488.2219 27	26.25251 55	1144.987 58	2.621747 71	15.37321 79	13.83147 87	0.744969 64	32.57141 4	NonEnzyme Reg
2.050470 76	18.10428 49	16.98532 08	8.986274 47	46.12635 09	312.1813 24	2633.520 15	2492.933 46	1321.400 82	6760.035 75	47.21410 51	413.3102 68	387.8686 16	205.3989 72	1053.791 96	1.343562 98	11.58769 23	10.78660 41	5.748576 1	29.46643 55	NonEnzyme Reg
4.364658 71	24.82441 65	17.46387 18	2.024315 34	48.80511 79	723.3785 35	3846.061 61	2666.144 71	294.0072 25	7548.391 28	102.7670 77	573.7049 96	402.4918 66	45.97399 48	1127.847 4	2.984681 49	16.18849 99	11.40031 39	1.258812 95	31.91146 37	NonEnzyme Reg
0.637411 93	14.93918 7	24.38366 93	9.202129 06	49.16239 73	96.40234 65	2327.889 06	3786.329 2	1361.388 53	7572.009 13	14.64556 37	345.9503 28	563.5127 58	210.0225 2	1134.131 17	0.420383 13	9.983851 57	16.06568 37	5.851698 97	32.32161 74	NonEnzyme Reg
1.945144 17	11.21052 68	29.33099 81	7.185334 22	49.67200 33	305.0055 3	1686.093 45	4326.858 24	1055.677 46	7373.634 69	45.14345 61	257.7990 19	671.7339 45	164.8291 89	1139.505 61	1.290971 53	7.315245 79	18.90532 22	4.600312 07	32.11185 16	NonEnzyme Reg
2.842811 42	18.50662 62	21.39042 42	6.966515 12	49.70637 69	410.8494 68	2693.705 7	3131.587 03	1040.425 12	7276.567 32	64.64055 86	421.5734 38	487.6529 89	159.4756 3	1133.342 62	1.817251 27	11.87714 21	13.66768 35	4.428406 31	31.79048 32	NonEnzyme Reg
1.715852 65	10.38787 02	27.83298 52	7.001502 25	46.93821 03	277.0447 42	1665.750 36	4378.816 9	1088.743 89	7410.355 89	40.09552 91	242.6407 35	645.7379 01	161.8845 64	1090.358 73	1.156440 06	6.989174 95	18.29890 46	4.538172 72	30.98269 24	NonEnzyme Reg
0	15.27496 37	19.78593 03	12.54060 02	47.60149 42	0	2393.120 17	3024.815 57	1882.822 62	7300.758 36	0	354.1753 95	456.222	288.3090 19	1098.706 42	0	10.18323 35	12.94873 53	8.077447 19	31.20941 6	NonEnzyme Reg
2.493446 15	23.06209 65	19.79657	2.821271 43	48.17338 41	373.8636 47	3460.956 01	2950.459 01	432.4991 24	7217.777 8	57.47993 02	531.3090 85	453.1704 08	64.63216 37	1106.591 59	1.668690 29	15.14427 89	12.49859 37	1.733518 11	31.04508 1	NonEnzyme Reg
2.842811 42	18.50662 62	21.39042 42	6.966515 12	49.70637 69	410.8494 68	2693.705 7	3131.587 03	1040.425 12	7276.567 32	64.64055 86	421.5734 38	487.6529 89	159.4756 3	1133.342 62	1.817251 27	11.87714 21	13.66768 35	4.428406 31	31.79048 32	NonEnzyme Reg
2.474251 36	14.16644 28	22.74324 85	9.164174 2	48.54811 68	374.4575 11	2200.990 74	3509.904 26	1397.937 82	7483.290 34	56.84860 77	327.7275 85	525.0379 37	210.7843 31	1120.398 46	1.612344 79	9.346995 55	14.78441 63	5.907492 19	31.65124 88	NonEnzyme Reg
2.607007 8	18.03648 87	20.49700 53	7.272858 29	48.41336	376.5304 09	2662.065 32	3086.560 18	1064.204 98	7189.360 89	59.25562 56	412.4622 59	471.8095 5	166.6391 55	1110.166 59	1.654199 99	11.64282 38	13.43118 02	4.678862 59	31.40706 65	NonEnzyme Reg
2.141018 65	13.87010 04	22.31969 18	9.235232 71	47.56604 35	322.6471 96	2075.371 59	3267.753 1	1336.896 33	7002.668 21	49.33324 43	319.1235 57	510.6532 4	210.6403 83	1089.750 42	1.413730 88	9.101709 96	14.46181 04	5.939100 43	30.91635 17	NonEnzyme Reg
9.335896 45	18.38220 33	14.76375 97	8.700615 28	51.18247 47	1481.394 45	2850.647 73	2221.630 94	1241.190 46	7794.863 57	217.9065 2	425.4397 24	339.8552 46	198.2781 44	1181.479 64	6.172018 18	11.94786 46	9.504075 98	5.494004 96	33.11796 37	NonEnzyme Reg
1.162983 25	17.01658 97	17.91965 6	13.56953 68	49.66876 58	171.1256 79	2624.590 34	2788.023 35	2095.758 2	7679.497 57	26.74332 69	392.9186 47	414.7903 88	313.9157 14	1148.368 08	0.755018 49	11.06438 78	11.75194 06	8.883642 52	32.45498 94	NonEnzyme Reg
1.170568 91	10.83876 92	20.22030 04	15.21629 46	47.44593 31	172.8295 66	1668.024 22	3188.252 05	2405.725 1	7434.830 93	26.74983 55	249.7597 88	468.3104 15	352.9623 07	1097.782 34	0.752633 01	7.033528 97	13.10464 39	9.875791 23	30.76659 71	NonEnzyme Reg
3.236632 08	15.59743 36	20.55540 49	9.010750 48	48.40022 11	531.4179 82	2487.016 31	3132.944 59	1371.268 59	7522.647 47	75.98588 72	364.8748 1	474.9770 33	207.5434 95	1123.381 23	2.194887 9	10.39913 69	13.34897 17	5.799924 79	31.74292 13	NonEnzyme Reg
1.677521 37	8.013073 51	28.25191 59	12.53000 2	50.47251 28	243.1998 12	1180.897 97	4173.135 57	1846.233 83	7443.467 18	38.21807 15	183.1398 64	646.6649 85	286.1250 85	1154.148 01	1.093807 33	5.192552 7	18.32961 22	8.053199 53	32.66917 17	NonEnzyme Reg
2.871828	22.44425 87	20.22285 68	1.859122 01	47.39806 55	444.2373	3377.892 56	3068.657 8	263.8106 65	7154.598 33	66.65803 03	516.2225 05	464.9391 69	42.13600 32	1089.955 71	1.923974 6	14.54929 58	13.01295 07	1.158424 74	30.64464 58	NonEnzyme Reg
3.215753 01	21.11265 69	24.46038 76	1.106593 53	49.89539 1	536.7887 26	3377.063 24	3837.814 88	185.1716 31	7936.838 48	75.96391 07	492.1323 68	566.8427 37	26.04762 48	1160.986 64	2.263483 75	14.16926 67	16.04483 4	0.745366 75	33.22295 12	NonEnzyme Reg
0	8.384741 71	23.26187 26	11.82267 61	43.46929 05	0	1198.017 42	3377.505 23	1768.122 05	6343.644 7	0	190.5849 19	529.7260 45	269.6930 43	990.0040 07	0	5.260933 77	14.51206 79	7.232437 08	27.00543 88	NonEnzyme Reg
4.913624 7	23.89331 88	18.35630 1	1.867966 78	49.03121 12	803.8427 06	3772.913 4	2813.994 6	279.8631 93	7670.613 9	115.4502 83	555.3179 74	423.1299 89	42.58872 75	1136.486 97	3.361403 15	15.86431 73	11.94383 53	1.136593 59	32.30614 93	NonEnzyme Reg
4.138415 07	28.09044 97	13.19848 29	2.195729 24	47.62307 69	656.6026 79	4438.506 71	2037.741	319.2103 34	7452.060 71	96.30695 9	651.8238 33	304.7154 86	50.02704 36	1102.873 32	2.704101 77	18.27409 52	8.485044 9	1.382119 06	30.84536 09	NonEnzyme Reg
4.576894 51	27.28869 12	13.46405 62	1.656717 23	46.98635 91	685.9008 58	3995.044 46	1966.659 12	252.0532 47	6899.657 68	105.3494 69	622.5531 56	306.8296 24	38.14048 18	1072.872 73	2.938945 79	17.38346 71	8.529023 67	1.078404 16	29.92984 07	NonEnzyme Reg
7.674501 58	20.79608 04	14.06853 05	5.810656 61	48.34976 91	1228.934 75	3207.555 35	2202.695 8	876.1747 35	7515.360 64	178.9808 52	480.0802 18	326.2434 11	133.7027 48	1119.007 23	5.122667 59	13.55996 83	9.277192 36	3.809684 52	31.76951 28	NonEnzyme Reg
1.419152 63	14.44864 79	22.18279 33	9.486441 66	47.53703 55	220.8354 87	2201.206 88	3388.634 4	1429.197 18	7239.873 95	32.87009 68	333.0133 59	511.4187 69	217.5307 08	1094.832 93	0.933091 22	9.410199 48	14.43991 65	6.046234 02	30.82944 12	NonEnzyme Reg
1.769815 64	12.10988 73	24.47942 41	8.895482	47.25460 9	267.1523 59	1798.195 22	3619.310 31	1328.549 34	7013.207 23	40.89102 97	279.1819 88	562.5136 5	204.0974 43	1086.684 11	1.160929 58	7.869377 66	15.79058 65	5.704342 31	30.52523 61	NonEnzyme Reg
2.317227 02	15.84211 95	23.71465 13	6.290067 6	48.16406 54	379.5641 85	2486.151 61	3627.513 97	965.0757 88	7458.305 55	54.46290 8	367.6181 42	546.9423 68	144.9381 21	1113.961 54	1.576754 61	10.45785 68	15.42795 22	4.070668 38	31.53323 2	NonEnzyme Reg
1.344140 63	21.17126 41	20.78761 1	5.328927 52	48.63194 32	216.6840 55	3235.389 19	3091.943 83	780.1537 43	7324.170 82	31.55456 71	489.6004 83	476.9754 56	121.5071 18	1119.637 62	0.923928 41	14.11036 8	13.44865 47	3.357976 63	31.84092 77	NonEnzyme Reg
2.019671 96	20.02130 29	21.25360 97	3.362997 58	46.65758 22	309.8198 01	3077.167 59	3238.151 38	494.5237 03	7119.662 47	46.67341 56	462.1248 32	489.4813 33	76.86805 04	1075.147 63	1.344369 94	13.05261 88	13.76624 49	2.169872 05	30.33310 57	NonEnzyme Reg

8.28765962	34.2161609	4.61507642	1.43230774	48.684266	1295.3684	5210.52109	708.884478	213.362391	7447.98112	191.988057	788.030837	106.115876	32.8383054	1122.01539	5.46709961	22.2358876	2.96463164	0.92762894	31.6793441	NonEnzymeReg
3.97869017	26.6355467	16.1107389	0.84084594	47.5658217	614.88663	4130.34732	2483.69183	121.005985	7349.93177	91.8587199	614.6341	371.125754	19.1216761	1096.74025	2.60506552	17.2489784	10.3768637	0.52949523	30.7604029	NonEnzymeReg
2.31100143	12.1783638	24.5895502	9.91534768	48.9942631	347.66274	1846.39753	3721.71451	1505.43025	7421.20504	53.0317262	279.800387	564.261633	227.30555	1124.39926	1.49101617	7.87438701	15.7566318	6.24802248	31.3700575	NonEnzymeReg
0	8.38474171	23.2618726	11.8226761	43.4692905	0	1198.01742	3377.50523	1768.12205	6343.6447	0	190.584919	529.726045	269.693043	990.004007	0	5.26093377	14.5120679	7.23243708	27.0054388	NonEnzymeReg
4.84825365	29.514098	12.8826678	1.81325019	49.0582696	784.89144	4735.73878	2013.34477	270.94759	7804.92258	113.434325	687.034836	297.458538	41.3198243	1139.24752	3.25198777	19.4596874	8.25537425	1.10993645	32.0769859	NonEnzymeReg
11.5440515	11.8691152	22.0978859	7.09493029	52.6059829	1685.91827	1764.7981	3498.90374	1122.93307	8072.55318	262.546759	271.388416	514.040933	163.333646	1211.30975	7.23015055	7.59930497	14.7194403	4.48998022	34.038876	NonEnzymeReg
7.65266442	16.3582034	15.180868	9.99000629	49.1817422	1131.15866	2409.1002	2185.99587	1407.81758	7134.07231	174.10316	371.901202	344.020017	225.825794	1115.85017	4.78363031	10.2263437	9.44545793	6.23224955	30.6876815	NonEnzymeReg
4.56002255	26.3284774	16.0157075	2.01562083	48.9198282	713.621	4098.81424	2492.22099	297.847343	7602.50357	105.903329	609.713198	370.860131	45.9615685	1132.43823	3.06707964	17.3586683	10.495181	1.24342528	32.1643542	NonEnzymeReg
1.64411519	18.3760188	17.9143287	9.39256912	47.3270318	265.537089	2985.15275	2916.77257	1441.20651	7608.66891	38.2941929	428.89985	418.502737	216.310893	1102.00767	1.09253163	12.1753239	11.9138099	6.05497914	31.2366446	NonEnzymeReg
3.23444667	11.256722	21.5749805	12.8892277	48.9553769	485.619624	1707.07346	3235.20203	1919.33858	7347.23369	74.2451205	258.585941	494.373913	295.015171	1122.22015	2.12382007	7.32082171	13.9259002	8.29415311	31.6646957	NonEnzymeReg
0.60713598	9.71465815	20.5543518	18.7168589	49.5930048	98.080234	1508.34049	3153.1201	2937.33986	7696.88068	14.2090917	225.535947	475.635027	434.220114	1149.60018	0.41845557	6.50028994	13.5470197	12.2732976	32.7390628	NonEnzymeReg
3.58507011	14.3672594	21.2173351	13.6860856	52.8557502	559.530631	2198.81608	3238.74136	2085.17792	8082.26598	82.3671313	329.266263	487.39822	312.896496	1211.92811	2.24230364	9.03394633	13.5381744	8.44803884	33.2624632	NonEnzymeReg
2.45464202	18.061513	22.2614089	3.74697733	46.5245412	374.323134	2736.91967	3339.42758	569.358019	7020.0284	56.6426316	416.731397	511.341263	86.1325388	1070.84783	1.62919888	12.0528968	14.5636712	2.40850397	30.6542707	NonEnzymeReg
1.14013688	20.699928	23.7722982	3.68290849	49.2952716	174.025238	3273.72398	3698.52074	578.433297	7724.70325	26.1560328	479.669337	549.268127	85.3621944	1140.45569	0.72817268	13.5273664	15.4516931	2.43173593	32.1389681	NonEnzymeReg
6.07458565	22.2006967	15.9287034	4.75300234	48.9569881	931.84972	3460.94875	2399.5582	682.568052	7474.92473	140.152296	514.131911	365.535698	107.975474	1127.79538	4.02922646	14.6858493	10.2415811	2.97700765	31.9336645	NonEnzymeReg
0	8.65158842	22.6078708	15.0735962	46.3330554	0	1338.86118	3530.79847	2299.03708	7168.69674	0	200.325547	523.229305	346.685332	1070.24018	0	5.72922603	14.7981907	9.71853557	30.2459523	NonEnzymeReg
4.30065306	25.1781177	15.4107848	3.48385746	48.3734133	617.975941	3691.07767	2322.46171	531.613673	7163.12899	97.7214541	576.127579	354.129034	80.3214196	1108.29949	2.72130755	16.214224	9.94469337	2.22197298	31.1021978	NonEnzymeReg
0.79380301	16.4605201	23.6080707	8.17324501	49.0356388	121.651842	2544.0638	3577.0113	1232.94927	7475.67621	18.4889695	381.512787	544.450983	188.24344	1132.69618	0.53078641	11.0021758	15.5132857	5.29703292	32.3432808	NonEnzymeReg
4.82147577	23.4329593	16.6696165	3.86026355	48.7843151	715.694791	3491.42855	2452.0104	595.85262	7254.98636	110.392989	536.574201	380.888481	89.3735674	1117.22924	3.13924523	15.1026009	10.7228284	2.53991435	31.5045969	NonEnzymeReg
3.40158532	14.1821889	16.7708889	14.4592619	48.813925	521.549228	2237.71665	2595.97809	2169.126	7524.36997	78.4711216	329.644271	387.814742	331.779866	1127.71	2.24271446	9.45193887	11.0414066	9.33277319	32.0688331	NonEnzymeReg
1.14013688	20.699928	23.7722982	3.68290849	49.2952716	174.025238	3273.72398	3698.52074	578.433297	7724.70325	26.1560328	479.669337	549.268127	85.3621944	1140.455569	0.72817268	13.5273664	15.4516931	2.43173593	32.1389681	NonEnzymeReg
6.25330452	10.0244919	12.0915165	14.8347711	43.2040841	884.80351	1425.30168	1901.82614	2280.8932	6492.82452	141.025608	226.608207	278.330398	340.28366	986.247872	3.85284883	6.21757002	7.58410871	9.23728101	26.8918086	NonEnzymeReg
0.52112636	8.98572236	24.0848492	14.5257783	48.1174759	80.495743	1363.28768	3636.35901	2188.3667	7268.50913	11.9934487	206.59539	553.267544	333.130088	1104.98647	0.33466096	5.83709341	15.5853843	9.30386386	31.0610025	NonEnzymeReg
5.16904366	27.8550254	15.0008557	0.94562449	48.9705492	797.515349	4312.6408	2251.34177	124.60542	7486.10334	120.148967	645.774226	345.113048	21.4518192	1132.48806	3.44405698	18.3524635	9.71498993	0.58553421	32.0970446	NonEnzymeReg
2.31100143	12.1783638	24.5895502	9.91534768	48.9942631	347.66274	1846.39753	3721.71451	1505.43025	7421.20504	53.0317262	279.800387	564.261633	227.30555	1124.39926	1.49101617	7.87438701	15.7566318	6.24802248	31.3700575	NonEnzymeReg
0.60357766	17.5004667	24.6207766	5.33307483	48.057896	90.678255	2620.33367	3612.01856	773.843446	7096.87393	13.8941013	402.331581	563.247555	121.517213	1100.99045	0.40034869	11.4612041	15.8115195	3.32383331	30.9969055	NonEnzymeReg
5.65822019	22.9938247	16.0316264	4.23658382	48.9202551	873.433548	3484.20786	2399.1854	627.211138	7384.03795	130.483323	528.456496	367.530365	97.0553494	1123.52553	3.66784456	14.6971308	10.1600793	2.68271255	31.2077673	NonEnzymeReg
2.28395425	15.5837568	25.7928163	4.04943466	47.709962	364.312066	2376.86639	3968.91345	633.782605	7343.87451	53.1509748	358.238078	592.643897	93.6074879	1097.64044	1.52642898	9.96289603	16.334789	2.59999444	30.4241084	NonEnzymeReg
8.46200556	32.0374255	5.9074551	1.54199385	47.94888	1244.05756	4781.80194	864.804626	228.476603	7119.14072	193.540146	735.172902	134.90657	35.3412799	1098.9609	5.50223562	20.8384907	3.76035866	0.98534066	31.0864256	NonEnzymeReg
1.83057266	12.7453537	28.4657664	5.86844668	48.9101395	276.830374	1960.29437	4340.77278	867.063258	7444.96078	42.0778429	294.499858	655.937003	134.111757	1126.62646	1.17810225	8.37338583	18.5959725	3.78002744	31.927488	NonEnzymeReg
1.55838177	13.6962245	21.0747086	10.8369971	47.1663121	216.697287	1902.99368	2917.27916	1507.08124	6544.05137	35.2414322	309.514091	475.627151	245.282826	1065.6655	0.99767802	8.68527053	13.3747675	6.838565	29.8962811	NonEnzymeReg

6.88770821	34.8467931	6.89333479	1.70729829	50.3351343	1047.14126	5219.07743	1044.92516	263.629529	7574.77338	158.334795	798.461473	158.522724	39.4584544	1154.77745	4.50670581	22.4767381	4.46968534	1.10086979	32.553999	NonEnzymeReg
4.38284355	27.5030126	14.0648756	2.27971023	48.230442	701.009238	4278.21811	2148.55619	360.435753	7488.2193	101.948743	635.145214	323.331196	52.7944945	1113.21965	2.90788969	17.9198155	8.9756086	1.47527112	31.2785849	NonEnzymeReg
0.38877198	11.7012824	25.7662727	9.39701632	47.4393778	55.985047	1740.88416	3798.11496	1356.84161	6979.27038	8.87885404	268.318049	588.705125	213.688991	1083.82856	0.25244926	7.6065467	16.4379808	5.94078802	30.3560497	NonEnzymeReg
1.51472843	7.63869935	17.7693514	16.878561	45.595385	222.233141	1097.44357	2653.01845	2624.87677	6870.26664	35.176091	175.799575	410.637132	391.780184	1054.71449	0.97047612	4.8191524	11.2879504	10.892861	29.1048455	NonEnzymeReg
10.22818	12.8242521	13.2662438	13.9352375	50.2539133	1502.31134	1927.96228	2076.46996	2325.75566	7832.49924	232.898071	293.34266	305.980829	326.238926	1158.46049	6.49699504	8.0872006	8.44037317	9.06538094	32.0899502	NonEnzymeReg
6.98075771	25.5430455	14.0671379	2.74556769	49.3365099	1086.28693	3913.55145	2170.36754	426.801241	7597.00716	161.731387	588.778861	323.884628	63.156751	1137.55163	4.57473433	16.5334436	9.01585505	1.72933278	31.8533658	NonEnzymeReg
0.44306385	14.6346034	24.2186752	10.4185104	49.7148529	71.1492924	2303.06587	3783.88798	1556.58149	7714.68463	10.3320095	339.574626	561.843124	239.402527	1151.15229	0.29955087	9.6921934	16.0391634	6.74478501	32.7756924	NonEnzymeReg
11.2681619	12.5993173	13.1196684	11.870708	48.8578784	1618.42198	1905.37645	1979.01189	1694.39545	7197.20577	258.933555	289.599491	300.481907	268.502693	1117.51765	7.26103919	8.0314268	8.31735112	7.38300402	30.9928212	NonEnzymeReg
1.76981564	12.1098873	24.4794241	8.895482	47.254609	267.152359	1798.19522	3619.31031	1328.54934	7013.20723	40.8910297	279.181988	562.51365	204.097443	1086.68411	1.16092958	7.8693776	15.7905865	5.70434231	30.5252361	NonEnzymeReg
1.624971	22.421503	16.420079	7.77135539	48.2379091	258.871093	3572.72004	2504.19612	1140.00712	7475.79436	37.790746	522.462131	378.996594	178.149057	1117.39853	1.07596742	14.8257838	10.571101	4.94856555	31.4214183	NonEnzymeReg
1.09809462	16.554704	22.8840992	7.39041221	47.92731	168.400239	2570.07482	3555.25901	1135.7768	7429.51086	25.396627	383.151673	529.120916	170.268461	1107.93768	0.73776356	10.971019	14.996866	4.74887561	31.4545245	NonEnzymeReg
1.58458401	13.0842353	25.2312889	10.1436817	50.04379	238.376528	1992.86489	3782.94153	1534.46567	7548.64861	36.253322	301.38602	578.197994	232.854096	1148.69143	1.01949876	8.5795507	16.261344	6.49669715	32.3570913	NonEnzymeReg
7.70764131	10.8657953	9.28018869	9.26340021	37.1170255	1143.82071	1615.72747	1378.78201	1376.14233	5514.47252	176.832112	249.441296	212.984116	212.588114	851.845637	4.99286176	7.0565583	6.02042606	6.00889736	24.0787434	NonEnzymeReg
1.47810891	17.3422147	25.0769489	4.60522286	48.5024953	226.648141	2692.4476	3784.26685	689.64075	7393.00334	33.944216	400.346608	574.430674	105.211618	1113.93312	0.94273489	11.244201	15.962145	2.87512851	31.0242103	NonEnzymeReg
0.40071943	12.877349	25.6815186	9.78159995	48.741187	68.474409	2061.38008	3991.40402	1502.29965	7623.55815	9.4070761	299.169851	592.470883	224.584384	1125.63219	0.25863373	8.4175385	16.586134	6.13621267	31.3985182	NonEnzymeReg
2.56924102	15.7051899	24.7822114	7.18844259	50.2450849	390.15209	2528.23755	3832.93516	1111.51931	7862.84411	59.301420	366.867688	572.093383	165.876589	1164.13908	1.71295348	10.597918	16.127269	4.68385988	33.122062	NonEnzymeReg
0.84720036	12.90592	24.1964516	8.58321494	46.5327869	132.216424	2010.58054	3653.97783	1251.17581	7047.95061	19.585148	298.558218	555.974744	195.678443	1069.79655	0.55647959	8.4937384	15.650763	5.43087233	30.1318517	NonEnzymeReg
3.35558484	21.7675115	21.230999	1.85085144	48.2049468	512.374915	3377.73117	3293.87391	282.548819	7466.52881	77.292670	502.869678	490.658057	42.7746372	1113.59504	2.18499496	14.129561	13.748563	1.21436775	31.2774875	NonEnzymeReg
1.97982856	21.5146275	22.0085236	2.89163025	48.3946099	311.692506	3287.14594	3314.33491	418.827573	7332.00093	46.108197	496.334901	505.368743	65.679982	1113.49182	1.33714477	14.063327	14.143446	1.80365282	31.3475699	NonEnzymeReg
9.44635279	26.7030125	8.85443487	2.73529395	47.7390942	1518.35094	4195.12027	1317.77036	414.945155	7446.18672	220.64962	619.129065	202.386432	62.823894	1104.98901	6.30845436	17.475851	5.59845507	1.74938952	31.1321507	NonEnzymeReg
1.76226222	14.1604412	20.7755623	11.1577851	47.8560507	283.580783	2167.15963	3194.7756	1733.68836	7379.20437	41.158724	326.478929	479.645359	257.729003	1105.01202	1.19606744	9.3355075	13.619557	7.22956116	31.3807451	NonEnzymeReg
2.45898571	16.8927214	25.6003402	3.66417301	48.6162203	387.072241	2643.73862	3890.35722	539.495874	7460.66396	56.988683	390.609373	587.644454	83.5672105	1118.80972	1.63024653	10.973403	16.318163	2.27918556	31.2009971	NonEnzymeReg
3.24219587	24.4568462	12.0771119	8.13695558	47.9131095	465.011363	3619.13437	1783.34501	1177.78824	7045.27899	74.404972	562.109103	276.568238	185.047726	1098.13004	2.10554756	15.892976	7.78492817	5.12492601	30.9083294	NonEnzymeReg
6.26943997	23.5222519	15.9599519	2.93556024	48.687204	924.496027	3526.98899	2408.89578	442.649275	7303.03008	143.610282	540.003586	366.966295	67.7855411	1118.3657	4.06498089	15.280094	10.412585	1.93238781	31.6900519	NonEnzymeReg
1.14013688	20.699928	23.7722982	3.68290849	49.2952716	174.025238	3273.72398	3698.52074	578.433297	7724.70325	26.156032	479.669337	549.268127	85.3621944	1140.45569	0.72817268	13.527364	15.451693	2.43173593	32.1389681	NonEnzymeReg
3.86296356	21.8899814	18.9184111	4.55199669	49.2966893	619.643029	3380.53659	2857.62218	688.757653	7557.65509	90.113389	506.45942	434.676296	104.577407	1137.51102	2.57369957	14.397502	12.243908	2.93337044	32.1955632	NonEnzymeReg
1.97004621	10.6728775	24.1645754	11.6540255	48.4615246	317.146493	1639.20524	3704.69438	1761.5945	7422.64061	45.943357	245.906142	557.181428	267.792127	1116.82306	1.29959285	6.9058857	15.710397	7.52313337	31.4390092	NonEnzymeReg
2.18908533	17.2810964	23.2800621	6.22874987	48.9789936	332.45643	2626.57077	3597.01284	956.415643	7512.45568	50.480325	397.766465	537.507511	143.491575	1129.24588	1.44178094	11.256161	15.213492	4.04802289	31.9594632	NonEnzymeReg
4.06147299	17.3180117	17.9498048	8.8821032	48.2113927	626.717799	2605.63988	2771.60317	1423.24713	7427.20798	93.662036	397.10601	413.557497	206.328966	1110.65451	2.63384977	11.134454	11.604563	5.78949745	31.1623464	NonEnzymeReg
4.05186434	24.5583418	19.3842644	0.95504134	49.1116443	622.722576	3759.97233	2886.75443	137.978587	7429.35437	93.695182	565.844099	443.666542	21.806207	1128.70507	2.66543469	15.991443	12.453298	0.61532933	31.829603	NonEnzymeReg
1.35659488	11.6548752	21.8421978	14.3487246	49.2023924	207.149292	1824.41764	3423.73383	2259.63511	7714.93586	31.221864	269.502327	504.983494	331.810548	1137.51823	0.89416825	7.6269531	14.134543	9.22919959	31.8848647	NonEnzymeReg

7.19363065	19.4852482	15.4281447	6.5123255	48.6193491	1098.66929	2897.29535	2295.24109	1011.92965	7303.13538	166.25794	447.272277	353.705527	150.719255	1117.955	4.77432957	12.7548569	10.0323095	4.30582006	31.867316	NonEnzymeReg
2.87238306	14.7735715	24.5700071	5.36111633	47.57707 8	456.20055 9	2259.2769	3700.0934	795.191787	7210.76265	66.5883209	340.103383	562.995247	122.496383	1092.18333	1.88177063	9.6079501 1	15.690448	3.36954692	30.5583125	NonEnzymeReg
1.20762965	11.1356778	24.5733427	11.417206	48.3338563	179.05567 5	1720.39234	3782.87826	1738.40031	7420.72658	27.6102152	257.17323	567.429713	263.009178	1115.22236	0.76529268	7.2694375 2	16.061630 4	7.40363847	31.499999 1	NonEnzymeReg
0.88254638	11.8141437	28.930092	7.67500329	49.3017854	141.16909 8	1860.11811	4490.08397	1167.27941	7658.65059	20.59671	274.350194	669.1608	176.65568	1140.76338	0.59105531	7.8022449 4	18.954762	4.97996809	32.3280303	NonEnzymeReg
0.68052717	12.9976631	24.1638609	10.8282269	48.6702781	100.91351 3	2003.87253	3672.62476	1603.78135	7381.19216	15.5733952	300.764406	556.219343	247.467546	1120.02469	0.44119254	8.6030074 3	15.704702 8	6.87995123	31.628854	NonEnzymeReg
2.72528117	12.9498174	19.8783114	13.975691 9	49.529101 9	432.16789 9	2056.39722	3146.80138	2145.68517	7781.05167	63.1299777	300.61562	460.754032	322.558759	1147.05839	1.77557704	8.5039665 6	12.927435 6	8.96855 72	32.1755364	NonEnzymeReg
2.77693769	18.5988598	22.8813572	5.61811217	50.4794387	419.40913 5	2778.35745	3465.11511	854.645164	7610.47575	63.7725918	426.25696	525.063761	128.527006	1157.46338	1.82116193	12.076705 5	14.669697 7	3.54122622	32.4918856	NonEnzymeReg
4.48634213	25.9498609	16.7314154	1.14407725	48.4444944	673.77283	3951.00741	2485.41496	165.01575	7293.8931	102.988002	597.916644	382.939959	25.9640771	1112.80974	2.92031476	16.995429	10.722302 8	0.72728035	31.450078	NonEnzymeReg
5.14837105	17.455384	19.2942988	8.39975326	50.2978063	872.35813 6	2916.47975	3173.2333	1346.34316	8308.41435	122.124344	411.820269	453.463614	195.572741	1182.98097	3.51046634	11.725238 5	12.887951 6	5.474932	33.595883	NonEnzymeReg
2.45464202	18.061513	22.2614089	3.74697733	46.5245412	374.32313 4	2736.91967	3339.42758	569.358019	7020.0284	56.6426316	416.731397	511.341263	86.1325388	1070.84783	1.62919 8	12.052896 8	14.563671 2	2.40850397	30.6542707	NonEnzymeReg
1.86860696	10.3536218	26.2339331	10.1865396	48.6426993	286.52572 8	1589.52828	4007.9882	1507.01733	7391.05959	43.1111148	239.01155	604.331597	233.045137	1119.4994	1.24271891	6.8138754 4	16.993427 3	6.47815191	31.528173 6	NonEnzymeReg
4.80769184	15.2192997	23.9895335	4.57786017	48.594385 2	717.74372	2273.54678	3558.50669	653.641794	7203.43898	110.490684	349.532178	550.300657	103.795956	1114.11948	3.20705263	10.052358 7	15.598075 8	2.86154049	31.719027 6	NonEnzymeReg
2.16566004	10.732485	21.1585029	14.046312	48.10296	364.80831 2	1743.16629	3431.47822	2191.33877	7730.79159	51.005302	250.82719 7	494.427273	324.864805	1121.12458	1.47163373	7.1217469 7	14.044621 4	9.13062241	31.768624 5	NonEnzymeReg
2.83904462	14.8475701	23.2544255	7.12520553	48.0662458	457.80793 8	2286.88239	3597.07124	1088.6681	7430.42966	66.4033198	342.92201	537.261529	164.163959	1110.75082	1.92813622	9.7605525 7	15.19214 7	4.63301103	31.513846 8	NonEnzymeReg
2.12214355	17.3223177	18.8552464	10.4688197	48.7685273	342.92421 8	2753.28876	2871.87393	1559.14909	7527.236	49.5648371	402.309016	434.031863	240.385758	1126.29147	1.40306452	11.362381 9	12.231613 8	6.80905652	31.806116 8	NonEnzymeReg
2.80434188	12.5980591	20.5873994	11.9995733	47.9893737	421.44773 4	1875.05643	3079.28376	1784.98889	7160.77681	64.3735854	288.192313	471.600188	275.422173	1099.58826	1.81981114	8.0739242 7	13.222653 1	7.72526415	30.841652 7	NonEnzymeReg
4.60711682	18.8980281	17.9555142	8.51953985	49.980199	728.43331 1	2904.82276	2731.91383	1299.64702	7664.81692	107.179408	435.992733	412.195262	195.487359	1150.85476	3.05602812	12.272740 1	11.46255	5.36751886	32.158837 1	NonEnzymeReg
1.96004789	13.7749231	22.7502394	8.29911889	46.7843292	308.81058 3	2099.31818	3399.78078	1192.72793	7000.63747	45.6568689	317.991937	522.951546	189.293268	1075.89362	1.32880864	9.0022143 7	14.679938 8	5.28408735	30.295049 2	NonEnzymeReg
1.34106788	14.1555175	22.6405601	8.56381395	46.7009594	199.06382 3	2183.50446	3410.21885	1262.23038	7055.01752	30.7591507	326.471683	519.934092	196.029136	1073.19406	0.87084655	9.2137799 3	14.615781	5.51773253	30.21814	NonEnzymeReg
1.41760928	10.7475361	23.1608549	12.9100156	48.2360159	210.54531 9	1605.59164	3561.56349	1983.95599	7361.65644	32.4490153	246.40603	533.921772	297.685046	1110.46186	0.91862359	6.9834889 7	15.005856 3	8.34733498	31.255303 8	NonEnzymeReg
2.13708466	14.7270221	22.4041872	8.66997209	47.9382661	319.72859 2	2272.34198	3423.5764	1288.19316	7303.84014	49.1188286	340.098985	516.412412	198.540659	1104.17089	1.38047 64	9.6263168 9	14.628368 2	5.57638759	31.211549	NonEnzymeReg
0.21024921	9.8702945 6	21.2544318	15.7471101	47.2982267	28.938167 1	1375.67104	3031.34404	2266.61783	6733.77981	4.7474135 5	223.184043	482.940747	358.297836	1074.09928	0.13627788	6.3045866	13.664013 9	10.080812 6	30.323949	NonEnzymeReg
0	11.6051018	25.095909	11.0730788	47.7740895	0	1779.7936	3864.36064	1609.00274	7253.15698	0	267.928137	579.157217	251.891799	1098.97715	0	7.7032432 4	16.447181 1	6.98871493	31.139139 3	NonEnzymeReg
1.05453063	9.9827674 1	23.7337113	12.845196	47.6162054	147.34890 3	1429.9187	3481.22235	1848.79591	6907.28586	23.8653387	227.196093	542.75953	292.745536	1086.5665	0.67429696	6.4390323 5	15.342922 8	8.23186448	30.688116 6	NonEnzymeReg
3.08795634	17.1965482	24.6262655	4.08223293	48.993003	489.94423 9	2729.71557	3858.1613	651.82065	7729.64176	71.964671 9	400.803448	570.485577	94.73659 51	1137.99029	2.08026479	11.53694 12	16.078837 2	2.62316825	32.319211 5	NonEnzymeReg
2.07388341	13.6240569	21.1940584	10.0696612	46.9616599	320.13317	2026.8658	3124.94268	1472.92078	6944.86242	47.8747936	311.997337	484.200359	229.810223	1073.88271	1.35126687	8.7458254 6	13.517711 3	6.41174264	30.026546 3	NonEnzymeReg
11.9364299	12.8051491	12.1958711	12.27371 9	49.211169	1770.87102	1889.35034	1764.93875	1679.32395	7104.48406	272.66285 7	292.361578	277.720661	276.332227	1119.07732	7.62838189	8.1479497 5	7.7551995 4	7.69314393	31.224675 1	NonEnzymeReg
3.16076059	16.7278945	23.0899119	3.32290043	46.3014674	496.05403	2570.49647	3542.43179	501.77899 2	7110.76156	73.1905537	385.522154	531.438118	76.1318396	1066.28267	2.06648615	10.858574	14.811744 4	2.06588541	29.80269	NonEnzymeReg
1.19228558	14.3339027	27.8850658	5.83504174	49.2462958	178.30709 4	2150.34861	4177.59892	907.48007 4	7413.7347	27.3410253	328.260945	638.777139	135.110019	1129.48913	0.77847448	9.2279384 6	17.935431 5	3.87330471	31.815149 1	NonEnzymeReg
1.56606245	15.4119711	26.4009528	7.67723475	51.0562211	248.73176 3	2440.78916	4158.27268	1215.61992	8063.41353	36.5436586	358.230666	611.704978	177.988975	1184.46828	1.06815439	10.252824 3	17.231879 4	4.94743127	33.500289 4	NonEnzymeReg
2.05047076	18.1042849	16.9853208	8.98627447	46.1263509	312.18132 4	2633.52015	2492.93346	1321.40082	6760.03575	47.2141051	413.310268	387.868616	205.398972	1053.79196	1.34356298	11.587692 3	10.786604 1	5.74857 61	29.466435 5	NonEnzymeReg

12.5044581	12.28529 01	17.74549 69	7.224541 64	49.75978 68	1857.020 09	1905.139 47	2921.005 58	1064.353 85	7747.518 99	285.7502 36	283.7853 91	416.1255 18	165.4914 85	1151.152 63	8.013404 16	7.974020 97	11.83770 68	4.665950 34	32.49108 22	NonEnzyme Reg
0.9989281	10.56059 04	22.58064 91	7.038713 67	41.17888 2	143.5595 18	1539.468 94	3385.891 92	1057.567 99	6126.488 37	22.89336 84	243.3360 9	522.5931 46	162.9708 64	951.7934 69	0.635331 12	6.680589 72	14.46288 31	4.507585 91	26.28638 99	NonEnzyme Reg
2.6863567 7	17.63830 65	23.81227 1	4.630597 97	48.76753 22	387.7359 18	2616.012 96	3572.683 95	725.9824 05	7302.415 24	61.07757 41	402.6528 98	544.6569 27	106.6152 07	1115.002 61	1.709947 37	11.25447 86	15.13563 51	2.911935 47	31.01199 66	NonEnzyme Reg
2.5602975	15.67522 69	24.43708 28	5.607168 81	48.27977 56	392.9709 11	2400.499 93	3695.513 26	829.7727 89	7318.756 88	59.18623 75	361.6729 87	562.0111 02	128.3553 59	1111.225 69	1.675425 96	10.20632 35	15.77079 63	3.613486 06	31.26603 18	NonEnzyme Reg
4.0265766 1	15.06576 24	25.95301 62	4.259064 51	49.30441 97	608.7391 77	2235.752 28	3785.081 71	598.8335 22	7228.406 69	92.82468 34	345.7721 99	594.5549 09	96.92629 07	1130.078 08	2.634368 66	9.674360 37	16.67445 9	2.708230 18	31.69141 82	NonEnzyme Reg
1.5339256	13.37596 83	21.06926 77	10.79439 02	46.77355 17	216.3969 61	1987.561 89	3136.209 36	1633.490 95	6973.659 16	34.71086 99	306.3660 16	483.1256 19	247.8257 58	1072.028 26	0.963013 81	8.588711 13	13.58533 32	6.898939 86	30.03599 8	NonEnzyme Reg
2.1331517 3	13.97384 47	24.44599	8.684377 2	49.31728 4	316.4926 97	2100.151 24	3708.372 43	1317.057 18	7454.189 09	48.73433 03	320.7725	561.9595 15	199.9404 44	1133.245 33	1.355331 16	9.037781 61	15.76706 79	5.659200 39	31.87082 33	NonEnzyme Reg
0.8067111 7	16.48576 02	22.10251 22	7.917612 36	47.31259 6	125.1287 82	2516.045 75	3292.326 21	1185.834 1	7119.334 83	18.72004 54	380.0324 32	506.0358 93	181.6604 48	1086.448 82	0.546449	10.74329 17	14.11158 01	5.069128 3	30.47044 91	NonEnzyme Reg
1.7059394 5	6.769044 74	26.31136 07	13.36158 51	48.14793	252.4005 5	1023.968 85	3978.251 68	2008.300 98	7262.922 06	39.18530 15	155.9444 74	605.2424 71	306.5442 13	1106.916 46	1.124792 31	4.467851 99	17.08457 38	8.559781 96	31.23700 01	NonEnzyme Reg
3.7669350 1	17.19522 6	16.31929 63	10.89923 84	48.18069 57	594.7113 57	2654.682 84	2519.985 73	1667.393 16	7436.773 09	86.96844 42	395.7573 41	374.8946 99	249.8120 42	1107.432 53	2.408150 33	10.97185 87	10.36887 78	6.847669 93	30.59655 68	NonEnzyme Reg
3.3008926	19.48593 26	20.85760 73	5.081062 66	48.72549 51	537.7098 6	3046.381 3	3223.494 67	804.0253 49	7611.611 17	77.18814 54	452.0431 22	482.6481 46	117.8552 7	1129.734 68	2.198802 26	12.86754 84	13.59071 78	3.263714 9	31.92078 33	NonEnzyme Reg
7.0976475 5	29.49004 71	8.610740 81	1.226496 23	46.42493 17	1034.945 25	4409.462 18	1284.465 01	198.6378 96	6927.510 33	162.1207 59	675.7070 72	197.3408 92	28.69295 52	1063.861 68	4.579502 59	18.91199 2	5.501825 16	0.807292 14	29.80061 19	NonEnzyme Reg
10.701667 2	10.12519 27	9.862589 84	9.789159 87	40.47860 96	1558.221 12	1500.885 21	1470.917 1	1460.785 28	5990.808 71	244.1706 86	232.2336 56	226.6662 93	225.0218 01	928.0924 35	6.895343 33	6.499109 04	6.322852 84	6.272433 59	25.98973 88	NonEnzyme Reg
0	11.60510 18	25.09590 9	11.07307 88	47.77408 95	0	1779.793 6	3864.360 64	1609.002 74	7253.156 98	0	267.9281 37	579.1572 17	251.8917 99	1098.977 15	0	7.703243 24	16.44718 11	6.988714 93	31.13913 93	NonEnzyme Reg
9.5144457 2	32.15903 55	3.363100 24	2.172026 66	47.20860 81	1389.401 82	4793.710 51	504.3855 37	329.3907 15	7016.888 59	217.9889 49	737.3276 25	77.22601 68	50.15867 07	1082.701 26	6.186062 69	20.79861 83	2.168388 57	1.434270 7	30.58734 03	NonEnzyme Reg
1.5896875 6	26.76343 82	17.28433 2	3.493609 82	49.13106 76	241.9045 28	4099.833 86	2627.799 69	528.5588 5	7498.096 92	36.64095	617.7125 61	397.3649 85	80.41081 07	1132.129 31	1.045189 19	17.48865	11.11119 39	2.254343 36	31.89937 64	NonEnzyme Reg
1.0139374 3	9.928823 2	21.80132 41	15.94962 07	48.69370 54	150.9773 67	1481.936 41	3276.856 31	2382.013 59	7291.783 67	23.31308 82	228.1855 51	499.9680 24	365.1429 5	1116.609 61	0.675114 87	6.510184 38	14.05945 87	10.17256 52	31.41732 32	NonEnzyme Reg
2.8030323 3	17.77869 79	20.48669 38	9.283050 26	50.35147 43	414.8860 82	2693.094 31	3104.203 64	1414.698 3	7626.882 32	64.13086 42	408.8581 05	471.1574 14	213.9441 72	1158.090 56	1.804026 29	11.57016 92	13.35642 51	6.072331 18	32.80295 17	NonEnzyme Reg
2.3433797 37	10.24222 01	22.17796 19	10.80769 59	45.57125 73	356.5175 09	1528.336 97	3293.348 38	1592.469 44	6770.672 3	53.87781 79	234.4500 27	508.1010 78	247.3676 91	1043.796 62	1.507314 75	6.511585 92	14.14278 64	6.840792 38	29.00247 94	NonEnzyme Reg
2.6230846 7	19.10004 16	24.46620 73	4.089921 72	50.63037 77	424.3289 82	3013.807 96	3755.874 24	627.9341 55	7873.390 72	61.13183 76	443.2275 94	564.1820 76	94.55774 48	1171.177 45	1.741485 14	12.63066 01	15.91838 52	2.662334 28	33.17891 07	NonEnzyme Reg
2.0156402 7	20.84820 52	21.81543 92	3.016484 59	47.69576 93	320.0210 75	3123.642 31	3318.188 18	481.3776 6	7243.229 22	47.16126 59	479.6329 75	503.4239 05	70.54500 71	1100.763 15	1.375075 66	13.63531 27	14.38080 19	2.045026 26	31.43621 65	NonEnzyme Reg
2.6317409 4	18.76040 27	23.62918 23	3.294811 78	48.31613 77	382.3766 59	2835.546 54	3553.924 52	473.4287 32	7245.276 45	60.21391 29	431.7377 41	541.6706 75	74.63971 03	1108.262 04	1.725751 18	12.24779 08	15.10786 24	2.059526 12	31.14093 05	NonEnzyme Reg
1.8347030 1	7.752972 74	23.68260 58	12.83179 91	46.10208 07	267.7628 19	1138.039 83	3536.014 71	1924.715 36	6866.532 72	42.02431 06	177.5192 18	542.9960 57	293.6622 95	1056.201 88	1.187826 01	5.043375 19	15.31806 27	8.142740 63	29.69200 45	NonEnzyme Reg
2.2402943 4	11.72173 54	22.32336 83	12.26139 76	48.54679 56	353.4564 6	1821.828 13	3373.105 09	1816.773 92	7365.163 6	51.95601 91	271.2812 86	513.0200 57	280.3903 72	1116.647 73	1.484868 95	7.738944 07	14.45791 46	7.819423 39	31.50115 1	NonEnzyme Reg
5.1718997 17	22.11513 16	17.11248 01	5.980458 6	50.37996 94	802.6880 09	3319.733 79	2656.726 77	946.1849 72	7725.333 53	119.5128 17	507.8168 26	396.0226 89	138.9577 17	1162.310 05	3.405372 35	14.39592 23	11.24263 69	3.912835 26	32.95676 68	NonEnzyme Reg
1.8872369	13.93150 02	21.91129 45	10.76767 86	48.49771 01	295.9220 51	2186.341 51	3350.561 02	1608.907 94	7441.732 52	43.85200 73	323.2143 53	505.1104 8	246.8418 03	1119.018 64	1.266650 34	9.237177 91	14.25740 28	6.897524 75	31.65875 58	NonEnzyme Reg
2.7040328 9	17.93113 57	25.21561 47	3.094206 32	48.94498 95	404.5593 2	2733.631 66	3805.271 27	454.1094 22	7397.571 67	62.05424 46	412.7530 69	579.7952 74	70.93018 81	1125.532 78	1.745801 26	11.69643 62	16.44580 83	2.003072 84	31.89111 86	NonEnzyme Reg
0.8067111 7	16.48576 02	22.10251 22	7.917612 36	47.31259 6	125.1287 82	2516.045 75	3292.326 21	1185.834 1	7119.334 83	18.72004 54	380.0324 32	506.0358 93	181.6604 48	1086.448 82	0.546449	10.74329 17	14.11158 01	5.069128 3	30.47044 91	NonEnzyme Reg
2.3186140 7	16.70902 22	21.32731 32	7.341715 64	47.69666 51	382.3718 46	2560.903 55	3234.053 64	1093.477 42	7270.806 45	54.59450 21	385.5325 98	490.7015 15	168.2953 67	1099.123 98	1.586156 08	10.93399 87	13.83335 85	4.725038 37	31.07855 17	NonEnzyme Reg
5.1483710 5	17.45538 4	19.29429 8	8.399753 26	50.29780 63	872.3581 36	2916.479 75	3173.233 3	1346.343 16	8308.414 35	122.1243 44	411.8202 69	453.4636 14	195.5727 41	1182.980 97	3.510466 34	11.72523 85	12.88795 16	5.474932	33.59858 83	NonEnzyme Reg
9.3389787 2	12.11350 97	8.573541 48	10.93915 53	40.96518 53	1440.972 3	1904.051 24	1307.053 34	1628.942 79	6281.019 67	214.7964 02	281.2916 4	198.0705 26	251.2265 79	945.3851 46	5.849424 44	7.919397 8	5.565135	6.980320 03	26.31427 73	NonEnzyme Reg

0.907724 88	15.48214 58	20.99981 92	11.42881 27	48.81850 25	146.1430 76	2419.088 47	3223.206 99	1698.315 26	7486.753 8	21.21045 59	359.0808 13	484.9793 8	261.7793	1127.049 95	0.612575 26	10.24305 21	13.74768 39	7.352161 82	31.95547 31	NonEnzyme Reg
1.172828 92	16.60150 29	23.68621 04	7.062090 97	48.80701 94	192.6044 12	2648.770 24	3682.325 98	1091.161 03	7657.228 05	27.54457 56	387.1128 01	547.8785 78	162.9992 97	1132.023 42	0.799243 02	11.08439 08	15.37681 99	4.521764 04	31.95241 06	NonEnzyme Reg
2.071120 91	17.92521 29	21.08116 22	7.308522 23	48.38601 82	323.8416 63	2795.300 32	3263.456 24	1074.269 96	7456.868 18	48.19940 33	415.5465 54	486.5722 81	166.6242 33	1116.942 47	1.395327 85	11.83669 14	13.64567 84	4.587289 52	31.46498 72	NonEnzyme Reg
6.112654 41	27.79559 14	11.60822 86	2.719256 39	48.23573 08	974.8040 6	4383.827 65	1814.112 43	395.9930 09	7568.737 14	141.9155 47	644.3403 25	268.1405	61.75570 42	1116.152 08	3.995853 08	18.15466 18	7.425559 04	1.686721 47	31.26279 54	NonEnzyme Reg
2.791070 91	18.66360 25	19.33591 7	4.183740 6	44.97433 1	403.0173 17	2736.791 76	2846.312 81	621.7798 84	6607.901 77	63.64485 17	425.8820 17	440.7505 52	95.49495 49	1025.772 38	1.815613 58	11.89933 15	12.16427 94	2.625465 1	28.50468 96	NonEnzyme Reg
1.244533 06	9.750982 21	22.27292 52	14.26751 63	47.53595 68	190.1795 57	1471.335 65	3396.112 08	2142.258 18	7199.885 46	28.71331 27	224.2770 07	511.9586 91	326.6025 76	1091.551 59	0.808338 26	6.319535 85	14.32423 05	9.093262 17	30.54536 67	NonEnzyme Reg
4.934600 22	22.10628 02	16.14853 27	3.865355 99	47.05476 91	785.9178 7	3456.488 65	2442.208 3	587.4765 47	7272.091 36	115.0648 4	512.8604 54	372.2540 73	89.29769 75	1089.477 06	3.305035 02	14.49163 61	10.42946 75	2.498790 22	30.72492 88	NonEnzyme Reg
5.412863	27.04129 86	15.03854 14	1.291836 08	48.78453 91	877.5830 56	4307.352 71	2427.349 21	197.7698 23	7810.054 79	127.0242 05	630.1236 81	351.0895 29	29.89664 42	1138.134 06	3.719344 48	18.09841 43	9.965152 12	0.838683 47	32.62159 44	NonEnzyme Reg
1.595077 52	15.92550 22	24.25491 67	7.294821 26	49.07031 78	244.3508 68	2401.035 52	3671.241 84	1094.693 21	7411.321 44	36.79599 79	365.9254 79	557.9092 02	167.8546 35	1128.485 31	1.057912 17	10.42095 66	15.68081 75	4.701823 32	31.86150 96	NonEnzyme Reg
2.744195 61	19.54574 34	17.18464 99	8.483840 77	47.95842 96	402.0878 62	2897.997 05	2497.060 36	1218.574 34	7015.719 62	62.69750 84	446.8755 5	391.4383 83	192.8880 56	1093.899 5	1.756120 84	12.38053 06	10.85413 26	5.350265 41	30.34104 94	NonEnzyme Reg
3.807107 83	18.79808 87	20.48543 28	5.330945 56	48.42157 49	553.9307 83	2743.288 44	2988.318 06	802.3581 43	7087.895 42	87.06919 62	429.3158 02	467.5365 81	122.4191 39	1106.340 72	2.495018 56	12.07866 95	13.03973 39	3.413116 3	31.02653 82	NonEnzyme Reg
1.527864 27	10.96524 19	25.70925 87	8.965382 01	47.16774 69	239.7350 68	1681.284 19	3923.163 94	1344.747 15	7188.930 36	35.41757 93	253.2885 53	592.8397 49	205.6342 6	1087.180 14	1.012807 01	7.204956 45	16.74114 64	5.727188 99	30.68609 89	NonEnzyme Reg
5.782076 5	30.92312 87	10.33317 98	1.967130 45	49.00551 54	905.4039 92	4797.225 77	1608.456 13	325.0693 79	7636.155 28	134.5236 67	716.0623 34	239.0684 48	46.30786 67	1135.962 32	3.920398 79	20.40587 32	6.716558 48	1.302591 06	32.34542 16	NonEnzyme Reg
1.955485 25	10.86935 75	25.14380 65	11.08317 17	49.05182 09	312.3911 93	1698.962 31	3883.714 44	1673.569 17	7568.637 11	45.71217 95	252.4891 4	581.7241 86	255.0312 67	1134.956 77	1.333828 6	7.278192 7	16.63179 85	7.210441 47	32.45426 12	NonEnzyme Reg
2.404467 69	15.48008 01	25.88480 22	4.760961 41	48.53031 14	379.3818 4	2480.251 33	4113.086 71	718.0566 64	7690.776 54	56.00385 52	361.0821 69	601.7183 49	109.3486 49	1128.153 02	1.619166 38	10.34127 59	17.01444 55	3.032306 14	32.00719 39	NonEnzyme Reg
1.401933 31	11.97480 25	27.79677 15	8.030940 22	49.20444 76	209.8161 31	1809.407 77	4245.040 98	1211.428 74	7475.693 62	32.22041 83	275.9348 06	641.4925 22	184.6555 27	1134.303 27	0.926532 06	7.868027 29	18.18569 55	5.183717 07	32.16397 19	NonEnzyme Reg
2.546845 12	15.91322 86	22.45705 4	5.173317 35	46.09044 51	376.1744 54	2314.877 41	3247.263 49	741.1973 89	6679.512 74	58.20563 58	362.6791 45	510.8030 69	117.4400 83	1049.127 93	1.648640 91	10.18866 92	14.29776 27	3.282124 22	29.41719 69	NonEnzyme Reg
12.12224 45	12.42574 76	13.03611 69	11.88000 91	49.46411 81	1795.624 84	1853.535 4	1930.978 87	1827.596	7407.735 1	279.5177 67	285.9329 35	298.4534 26	274.1304 86	1138.034 61	7.928897 55	8.123297 37	8.344726 56	7.653575 48	32.05049 7	NonEnzyme Reg
2.036463 89	18.61483 29	25.41202 96	2.818630 15	48.88195 66	314.4966 51	2936.249 45	3944.420 36	432.1357 79	7627.302 24	47.08066 82	432.1431 21	587.3860 51	64.95470 25	1131.564 54	1.338457 55	12.30812 79	16.51598 26	1.805298 14	31.96786 62	NonEnzyme Reg
2.020630 08	15.28302 14	22.08303 14	8.676022 82	48.06270 57	303.905	2312.438 22	3388.931 56	1324.339 81	7329.614 59	46.43418 33	350.5496 44	508.0494 23	199.6846 47	1104.717 9	1.311580 98	9.803249 25	14.09061 57	5.523663 12	30.72910 91	NonEnzyme Reg
2.436435 92	13.85032 96	26.25469 38	6.484232 47	49.02569 18	374.7958 97	2162.990 99	4054.470 36	1003.514 01	7595.771 26	56.40952 17	321.0563 65	605.8786 39	149.6824 66	1133.026 99	1.647802 35	9.162279 2	17.05672 72	4.207478 46	32.07428 72	NonEnzyme Reg
2.654923 83	17.99696 28	20.84629 94	9.045758 05	50.54394 41	416.4764 19	2808.460 81	3258.697 13	1400.379 51	7884.013 87	61.39115 5	416.0909 9	481.3784 46	208.3006 67	1167.161 26	1.725039 61	11.79558 94	13.41641 65	5.690202 46	32.62724 79	NonEnzyme Reg
1.241906 61	6.868792 64	23.53033 6	16.38737 22	48.02840 74	179.1830 18	981.7748 49	3387.631 3	2344.975 91	6893.565 08	28.32520 69	156.1875 44	535.4346 22	372.4324 45	1092.379 82	0.818132 38	4.445702 3	15.08390 78	10.43445 68	30.78219 92	NonEnzyme Reg
1.655390 33	13.73363 17	24.87455 74	9.567415 34	49.83099 48	252.7660 06	2131.245 15	3851.884	1449.122 82	7685.017 98	38.20575 11	317.5963 64	574.6982 34	220.1928 2	1150.693 17	1.103798 61	9.023219 55	16.18233 55	6.181420 39	32.49077 41	NonEnzyme Reg
2.080084 36	10.40445 32	23.39869 78	11.62717 8	47.51041 34	321.8062 84	1554.874 41	3477.301 12	1706.442 7	7060.424 52	47.78563 76	237.4947 13	533.6292 23	264.7288 89	1083.638 46	1.322947 29	6.577878 53	14.80573 02	7.376634 76	30.08319 08	NonEnzyme Reg
2.539526 93	19.94421 48	19.56437 55	5.809774 65	47.85789 19	379.9536 89	3072.716 51	3031.717 32	865.5629 94	7349.950 51	58.61147 14	460.3288 96	451.8325 8	132.8644 87	1103.637 43	1.649877 74	12.85538	12.59150 99	3.660770 84	30.75753 85	NonEnzyme Reg
1.615449 88	11.53084 55	24.62646 12	10.54152 88	48.31428 54	249.9585 22	1814.385 52	3836.301 14	1611.838 9	7512.484 08	37.23794 74	267.1149 21	569.0914 71	242.5273 06	1115.971 65	1.047249 88	7.601611 15	16.08237 67	6.828975 43	31.56021 32	NonEnzyme Reg
1.598362 88	11.60384 71	26.78069 6	9.481915 57	49.46482 16	247.0995 69	1776.448 99	4077.662 86	1402.005 46	7503.216 88	36.96022 28	267.9241 63	617.2879 26	216.9708 07	1139.143 12	1.042292 88	7.651256 74	17.53342 23	6.085547 15	32.31251 91	NonEnzyme Reg
0.564812 47	14.45209 47	24.46984 31	10.14064 24	49.62739 27	82.09338 91	2220.754 27	3778.658 81	1544.237 04	7625.743 51	12.88130 12	333.8319 82	565.4574 89	233.4677 47	1145.638 52	0.370529 87	9.617347 81	16.11396 92	6.594602 93	32.69644 98	NonEnzyme Reg
1.689096 43	12.92553 52	24.45632 91	9.455524 99	48.52648 58	267.0376 74	2031.514 93	3859.920 91	1466.328 22	7624.801 73	39.17620 87	299.4325 81	566.9049 48	218.2956 17	1123.809 35	1.116977 08	8.478959 69	15.91609 61	6.081498 91	31.59353 17	NonEnzyme Reg
1.708997 35	17.41869 38	19.42048 45	9.525693 08	48.07386 87	261.0016 43	2704.848 68	3006.759 86	1447.613 23	7420.223 4	39.41627 52	402.6422 62	448.4622 35	218.7627 85	1109.283 56	1.137493 66	11.42346 06	12.66389 34	6.097791 71	31.32263 94	NonEnzyme Reg

2.54804221	12.1054087	22.2222102	8.77666935	45.6523304	376.076067	1765.99022	3279.23972	1286.0273	6707.3333	58.1185372	276.16346	507.27039	200.029021	1041.58141	1.62977489	7.70742338	14.0032932	5.49926131	28.8397528	NonEnzyme Reg
0	6.57189888	25.3586356	14.8648932	46.7954277	0	1030.60279	3798.5736	2145.07768	6974.25406	0	152.72997	583.01673	338.61077	1074.35762	0	4.43159143	16.6585867	9.46073807	30.5509162	NonEnzyme Reg
0	18.0375647	21.7869845	10.267602	50.0921512	0	2779.03687	3307.5267	1517.97699	7604.54056	0	415.70628	500.01062	234.44625	1150.16305	0	11.630735	13.7882259	6.41827457	31.8372355	NonEnzyme Reg
2.72196642	12.8065032	25.6998652	6.60591094	47.8342457	419.000105	1945.01123	3907.53664	992.441903	7263.98988	62.8934829	295.03693	590.85362	151.14882	1099.9325	1.81545861	8.43462719	16.6317112	4.21666319	31.0984601	NonEnzyme Reg
1.40193331	11.9748025	27.7967715	8.03094022	49.2044476	209.816131	1809.40777	4245.04098	1211.42874	7475.69362	32.2204183	275.93480	641.49252	184.65552	1134.30327	0.92653206	7.86802729	18.1856955	5.18371707	32.1639719	NonEnzyme Reg
11.6938229	13.6521763	12.3728681	11.3397892	49.0586564	1658.20534	1987.22793	1818.03387	1633.13604	7096.60317	265.248316	310.68769	282.32546	257.88329	1116.14476	7.32344906	8.41606505	7.6174420	7.05186198	30.4088186	NonEnzyme Reg
5.40863902	21.685233	15.0642311	4.02998533	46.3432976	819.111669	3306.2724	2255.97438	589.695073	6994.35405	124.610063	500.04424	346.43883	91.935715	1066.59306	3.56467387	14.2655282	9.81353865	2.54928292	30.2951673	NonEnzyme Reg
3.75018139	22.0652032	21.6189763	1.07433169	48.5086925	587.538458	3376.09355	3196.68142	158.201043	7318.51448	87.038643	509.50293	494.89135	24.508947	1115.94205	2.4903241	14.5206626	13.9152063	0.67843875	31.6046318	NonEnzyme Reg
11.695023	12.6345708	12.9900542	10.0732208	47.9897657	1713.53645	1867.80496	1858.77115	1455.47531	6979.50826	266.935622	288.36037	294.58947	229.072981	1092.41103	7.25008171	7.8873442	7.96404154	6.17045433	29.6209913	NonEnzyme Reg
1.32630424	11.9086192	21.7935832	12.1519832	47.1804899	194.362854	1788.7112	3230.1375	1771.12092	6984.33247	30.2459757	273.62545	499.68348	277.29946	1080.85416	0.83823809	7.72310156	14.1684862	7.78155692	30.5113827	NonEnzyme Reg
1.26145891	17.2130481	23.3527631	4.037262	45.8645321	193.062276	2649.03337	3488.95618	584.6587	6915.71052	29.2671842	397.78594	534.78208	91.674741	1053.50996	0.81779795	11.092252	14.7639253	2.52007599	29.194052	NonEnzyme Reg
2.12746796	14.0468803	20.2781874	12.610703	49.0632386	316.300706	2167.77019	3089.91493	1852.24806	7426.23388	48.7222464	325.13306	467.69296	287.93583	1129.4841	1.37471454	9.25515238	13.2542424	8.09463832	31.9787477	NonEnzyme Reg
1.67347674	15.3370015	22.7776273	7.32896103	47.1170666	246.162445	2280.12164	3399.92225	1102.97728	7029.18361	38.3653732	351.74719	522.17992	168.42893	1080.72142	1.09257076	9.91679843	14.6594016	4.73588492	30.4046557	NonEnzyme Reg
0.78866238	20.3912411	20.8376821	7.68956922	49.7071549	132.004872	3111.56248	3109.54431	1153.29945	7506.41111	18.5981188	469.82692	477.25673	175.92812	1141.6099	0.54560219	13.3943508	13.3508726	4.85875797	32.1495835	NonEnzyme Reg
1.17595391	13.3823317	21.8703675	13.1150588	49.5437122	184.321068	2114.65119	3442.1955	2095.88824	7837.056	27.2396131	310.57161	506.53729	304.50331	1148.85183	0.77590047	8.82019919	14.2401947	8.50926547	32.3455598	NonEnzyme Reg
4.05125076	18.8522451	18.6771631	5.10032252	46.6809815	606.61252	2827.34011	2722.08716	723.290198	6879.32999	92.9132907	432.71389	426.06382	115.40715	1067.09802	2.60827475	12.1990863	11.9458774	3.20046664	29.9537051	NonEnzyme Reg
1.81028468	18.8372845	26.3246052	2.49469833	49.4668726	310.309564	3070.38882	4132.15892	370.00257	7882.85988	42.8606679	440.52163	608.43905	56.881178	1148.7026	1.24345933	12.566666	17.0153167	1.57261522	32.3980573	NonEnzyme Reg
1.51630797	13.6394549	21.2493923	12.6129998	49.0181549	223.584369	2096.3393	3258.70074	1909.35894	7487.98335	34.7794554	314.99909	489.75156	289.75627	1129.28639	0.97708277	8.91887875	13.8669764	8.12164649	31.8845844	NonEnzyme Reg
2.06371547	13.5459515	27.2577687	4.76495327	47.6323859	309.466215	2077.96309	4136.48595	693.124755	7217.04001	47.3696777	312.53675	626.81622	108.45062	1095.17331	1.34542529	8.92158547	17.7528979	3.01105365	31.0309623	NonEnzyme Reg
3.89482166	15.8941155	21.075628	8.42809778	49.292663	606.660467	2361.81722	3155.2659	1256.96844	7380.71199	89.960782	363.83984	482.74416	192.51249	1129.05729	2.51235022	10.178820	13.485756	5.34090671	31.5178335	NonEnzyme Reg
2.58443613	18.1346394	25.506198	2.07367961	48.2989532	411.924534	2856.78681	4029.20713	301.673498	7599.59197	60.0541888	420.21794	591.37393	47.193511	1118.83958	1.69773906	11.854123	16.6510651	1.31275867	31.5156867	NonEnzyme Reg
1.77901898	15.9391393	21.9144926	10.5363997	50.1690507	270.426591	2482.24446	3356.72468	1552.7498	7662.14553	41.0655387	368.55937	505.51780	241.29758	1156.44031	1.17562596	10.460027	14.3308165	6.78527964	32.7517493	NonEnzyme Reg
4.34021237	23.3940878	17.5541219	4.0475548	49.3359769	728.608045	3712.21663	2720.83358	622.586469	7784.24473	102.669406	544.95327	406.97051	93.750586	1148.34372	3.02428079	15.7029894	11.6117308	2.68691887	33.0259198	NonEnzyme Reg
0	18.9111318	20.7791512	8.45126455	48.1415476	0	3040.82202	3287.30582	1261.43854	7589.56639	0	441.35850	482.89475	193.51003	1117.76329	0	12.761236	13.7973016	5.39893952	31.9574774	NonEnzyme Reg
1.68631995	12.9313608	26.7952687	6.87834714	48.2912966	271.854789	2012.63833	4121.1579	1054.62509	7460.27611	39.3631223	298.58864	617.74657	158.70474	1114.40309	1.12196668	8.3392859	17.2764943	4.40508468	31.1428315	NonEnzyme Reg
1.76619928	12.3706398	25.9330346	8.80686921	48.8767429	267.770988	1900.60186	4011.95464	1358.16625	7538.49375	40.68522	285.47416	598.58694	202.91334	1127.65967	1.14460578	8.0772942	16.7753221	5.61495228	31.6121744	NonEnzyme Reg
3.60074245	22.2369123	19.3249215	3.12067211	48.2832484	539.593558	3342.78844	2848.73332	469.465612	7200.58093	82.6111062	510.89849	441.96058	71.413197	1106.88361	2.33140876	14.4056007	12.3855727	1.97035678	31.092939	NonEnzyme Reg
4.54888799	18.7608871	19.0981608	5.55454341	47.9624793	658.610622	2810.67249	2880.18974	819.841314	7169.31417	103.372207	429.51947	438.61762	126.94110	1098.45041	2.88009313	12.0281839	12.2820843	3.53333948	30.7237008	NonEnzyme Reg
0.85364165	15.6318946	21.3889389	11.0277022	48.9021774	124.460346	2315.7732	3249.33282	1738.26792	7427.83428	19.4993531	358.10046	492.71563	256.19993	1126.51539	0.56077083	10.171020	14.0031939	7.29072634	32.0257115	NonEnzyme Reg
1.83001576	16.2438575	24.1860523	6.38019285	48.6401184	275.97194	2461.47099	3639.79908	947.878189	7325.12021	42.0093361	373.88966	556.13446	146.18213	1118.2156	1.17175832	10.599917	15.7745824	4.10773721	31.6539954	NonEnzyme Reg
6.11265441	27.7955914	11.6082286	2.71925639	48.2357308	974.80406	4383.82765	1814.11243	395.993009	7568.73714	141.91554	644.34032	268.1405	61.755704	1116.15208	3.99585308	18.1546618	7.42555904	1.68672147	31.2627954	NonEnzyme Reg

0	16.6619321	22.0292986	10.1239369	48.8151676	0	2542.68466	3383.21278	1552.69151	7478.58896	0	383.44156	507.697382	233.215638	1124.35458	0	10.8558357	14.3523025	6.57632794	31.7844661	NonEnzymeReg
2.53952693	19.9442148	19.5643755	5.80977465	47.8578919	379.953689	3072.71651	3031.71732	865.562994	7349.95051	58.611414	460.328896	451.83258	132.864487	1103.63743	1.64987774	12.85538	12.5915099	3.66077084	30.7575385	NonEnzymeReg
11.298395	21.2962348	9.16938448	5.29229306	47.0563073	1715.1153	3235.54904	1364.31524	802.834655	7117.81423	259.958526	489.842037	210.122899	121.809529	1081.73299	7.34292178	13.7734905	5.93593797	3.46266431	30.5150146	NonEnzymeReg
1.17056891	10.8387692	20.2203004	15.2162946	47.4459331	172.829566	1668.02422	3188.25205	2405.7251	7434.83093	26.7498355	249.759788	468.310415	352.962307	1097.78234	0.75263301	7.0335289	13.1046439	9.87579123	30.7665971	NonEnzymeReg
3.77286677	22.5955733	15.415705	4.85061009	47.183844	582.485885	3479.41941	2377.51319	736.335816	7256.56648	87.4436778	523.079082	355.712281	111.834788	1090.60986	2.45310773	14.585577	9.8387299	3.12710023	30.3530855	NonEnzymeReg
1.27470424	19.8421506	20.3765926	8.35202337	49.8454708	196.067082	3049.55815	3218.71025	1317.63841	7781.9739	29.4734863	457.467896	472.396285	192.896185	1152.23385	0.84679736	12.9345201	13.2560938	5.29404457	32.3314558	NonEnzymeReg
10.1976634	13.4852391	12.1251856	13.6173069	49.425395	1433.32168	1915.78989	1764.08902	2057.63672	7170.8373	230.771581	306.043935	276.330079	313.023698	1126.16929	6.46022554	8.5776745	7.77749023	8.80795937	31.6233497	NonEnzymeReg
10.1200998	16.9286469	16.2792431	5.08375556	48.4117454	1405.92372	2364.97855	2338.32242	724.474028	6833.69872	228.514209	382.50384	370.091293	115.141806	1096.25115	6.39745225	10.754960	10.4693262	3.24523851	30.8669777	NonEnzymeReg
0	8.1790311	26.6491676	13.2781976	48.1063978	0	1254.04403	4027.14624	1972.52047	7253.71074	0	189.029352	613.564434	304.326628	1106.92042	0	5.3617612	17.1655832	8.48658284	31.0139272	NonEnzymeReg
1.88305755	15.7845298	20.7753709	11.9010639	50.3440221	282.542835	2447.78312	3164.29383	1894.79164	7789.41142	43.1098125	364.847517	477.849042	276.27557	1162.08194	1.19509315	10.3632449	13.4633847	7.8043853	32.826108	NonEnzymeReg
2.51802265	17.3190007	22.4001394	5.77324014	48.0104029	390.15422	2724.18489	3476.28279	862.290114	7452.91201	58.3175939	401.887977	517.840278	132.158719	1110.20456	1.60912819	11.2868022	14.6247518	3.70431511	31.2249973	NonEnzymeReg
4.19893914	20.087312	19.3835134	5.84950781	49.5192723	655.131346	3170.70196	2965.36238	853.048522	7644.24422	97.3719672	466.43935	446.577443	133.463517	1143.85228	2.76906712	13.199416	12.5150186	3.69042113	32.1739229	NonEnzymeReg
0.98104028	10.5824479	23.3248001	13.6147422	48.5030313	165.437288	1720.60298	3694.23911	2098.59747	7678.87685	23.2194533	247.488437	541.312445	313.9914	1126.01174	0.68737418	7.1627728	15.3284477	8.76842177	31.9470165	NonEnzymeReg
5.8488023	26.6926433	9.8822865	7.0988313	49.5225635	889.965887	4081.83331	1582.99472	1064.25411	7619.04803	133.70232	612.986604	229.529557	162.387758	1138.60625	3.67100641	17.099867	6.45952032	4.49599118	31.7263857	NonEnzymeReg
1.96004789	13.7749231	22.7502394	8.29911889	46.7843292	308.810583	2099.31818	3399.78078	1192.72793	7000.63747	45.6568689	317.991937	522.951546	189.293268	1075.89362	1.32880864	9.0022143	14.6799388	5.28408735	30.2950492	NonEnzymeReg
1.97117958	13.4566901	23.8680811	10.4754147	49.7713654	305.111869	2130.79747	3786.82744	1611.7525	7834.48928	45.6326205	312.656062	553.869075	241.379088	1153.53685	1.30912109	8.8845357	15.6070572	6.75216137	32.5528753	NonEnzymeReg
1.71268224	16.7485042	18.9605572	9.09945522	46.5211988	250.508689	2509.59789	2790.82526	1324.35371	6875.28554	39.2914799	384.4034	432.757752	207.573683	1064.02632	1.09964232	10.8249873	12.0676466	5.80854542	29.8008217	NonEnzymeReg
6.58456861	16.6695315	16.1940748	8.63737869	48.0855537	963.754141	2530.35756	2479.23109	1316.28618	7289.62897	150.10728	382.703932	372.472516	198.644428	1103.92815	4.24146179	10.7529762	10.4569249	5.60643643	31.0577993	NonEnzymeReg
3.072516	17.5706657	21.5933143	7.03779408	49.2742901	511.359418	2803.27491	3333.76535	1063.79644	7712.19612	72.2155317	409.027984	498.591227	161.629568	1141.46431	2.06145726	11.6422001	14.2010818	4.55399585	32.458735	NonEnzymeReg
10.22818	12.8242521	13.2662438	13.9352375	50.2539133	1502.31134	1927.96228	2076.46996	2325.75566	7832.49924	232.898071	293.34266	305.980829	326.238926	1158.46049	6.49699504	8.0872006	8.44037317	9.06538094	32.0899502	NonEnzymeReg
2.96500061	18.8899338	25.749343	1.73438182	49.7654651	446.148965	2908.76992	4008.31102	246.297925	7669.79074	68.2049886	435.677125	595.213178	39.28374 6	1148.03633	1.92536565	12.2446737	16.6825654	1.08097892	32.1971771	NonEnzymeReg
2.23539647	14.753777	26.2822991	6.16513267	49.4366051	344.373114	2256.85858	4059.69274	947.801199	7608.72563	51.6889171	340.283178	607.678142	142.568826	1142.21906	1.45901499	9.6481423	17.215184	4.06263894	32.3849803	NonEnzymeReg
1.94354943	17.1519056	25.41906	4.71500584	49.2295209	311.635608	2713.9989	3948.88704	724.480534	7699.00209	45.3252116	398.856453	587.403382	108.422984	1140.00803	1.29868761	11.403746	16.6053196	3.02744275	32.3351946	NonEnzymeReg
0	11.960892	25.9333632	8.40440604	46.2986617	0	1762.73465	3828.03838	1240.31092	6831.08395	0	275.431478	595.262329	192.78864	1063.48245	0	7.6178657	16.4889023	5.27915974	29.3859296	NonEnzymeReg
2.42670359	13.9065747	24.4038064	7.09064414	47.8277288	345.160532	2059.95142	3656.13682	1046.91098	7108.15975	55.0749149	318.249291	559.910053	162.135556	1095.36981	1.5446764	8.9991742 1	15.8296314	4.57884955	30.952331 6	NonEnzymeReg
11.9580746	11.7978607	12.838672	13.285218	49.8798252	1819.60363	1801.34404	1894.02643	1944.60301	7459.57711	274.116084	270.977541	292.644518	302.053075	1139.79122	7.52539892	7.4941212 2	8.0796951 3	8.42218318	31.5213985	NonEnzymeReg
1.44815652	11.222294	26.5224756	8.75467675	47.9476029	219.821708	1744.80644	4133.02086	1360.09462	7457.74362	33.3533381	259.482136	612.78967	202.02644	1107.65158	0.96404 18	7.4032624 9	17.374226 8	5.71005007	31.4515812	NonEnzymeReg
3.14927762	15.0755627	23.5399979	8.54665203	50.3114902	494.407191	2270.9547	3516.12385	1287.35975	7568.84549	72.996079	346.830869	540.216593	196.764048	1156.80759	2.09230701	9.8408195 9	15.251660 2	5.58967052	32.7744573	NonEnzymeReg
0.60713598	9.7146581 5	20.5543518	18.7168589	49.5930048	98.0802341	1508.34049	3153.1201 1	2937.33986	7696.88068	14.2090917	225.535947	475.635027	434.220114	1149.60018	0.41845557	6.5002899	13.547019 7	12.27329 76	32.739062 8	NonEnzymeReg
15.8077547	29.1653433	2.4831643 4	1.4657176 9	48.92198	2394.6378	4469.23866	354.69223	209.95543	7428.52413	363.649807	670.713597	56.254032 6	33.248307	1123.86574	10.324599 8	18.648990 3	1.547015	0.89259866	31.4132037	NonEnzymeReg
2.08685 94	11.3437014	22.6937463	13.4025616	49.8309483	333.913245	1762.92753	3513.62774	2071.02616	7730.80482	48.87738 12	263.162776	525.170161	309.927139	1154.22907	1.44144422	7.5883426	14.930049 3	8.79203715	32.9535065	NonEnzymeReg

1.96592394	11.3651548	21.7597118	12.4904269	47.5812175	314.113567	1761.63162	3288.21748	1882.34814	7246.31081	45.9314528	263.092635	500.426215	286.314797	1095.7651	1.31991477	7.4682269	14.0065442	7.93080977	30.7254957	NonEnzyme Reg
2.79347122	17.5800693	22.3582069	6.53863592	49.2703834	442.903064	2691.09574	3378.44975	1008.29421	7520.74276	65.0476666	405.394533	513.163554	150.949475	1134.555523	1.90707482	11.5988587	14.3961872	4.25493728	32.157058	NonEnzyme Reg
4.57248568	26.4315402	15.0877169	1.22676209	47.4090743	696.430205	3968.07025	2333.64007	188.736823	7201.11084	105.30721	606.81017	348.292189	28.2097991	1090.71369	2.9805587	17.1141152	9.8387803	0.78181873	30.7730566	NonEnzyme Reg
2.04551296	17.1843468	22.4189634	8.35857378	50.00739	322.87095	2675.696	3392.12594	1231.58114	7622.27404	47.5640709	398.108589	515.834101	191.074664	1152.581443	1.36240676	11.3411902	14.6039097	5.34112364	32.6486302	NonEnzyme Reg
2.48512214	16.2820695	23.168332	8.45190502	50.3874287	404.307803	2596.28336	3592.72205	1260.92801	7854.24122	58.2783108	378.674304	535.020987	193.274053	1165.247665	1.68760611	10.7214262	15.0708824	5.31343539	32.7933506	NonEnzyme Reg
2.15355566	15.6236897	26.1600719	3.72352002	47.6608373	332.928013	2409.37712	4002.27756	545.897493	7290.48018	49.7798937	360.945966	603.285433	85.0331911	1099.044949	1.42676394	10.2659612	17.0469888	2.37463188	31.1143457	NonEnzyme Reg
2.12823337	7.97689702	22.7382105	13.7676121	46.610953	332.750805	1245.24608	3488.1149	2065.03534	7131.14712	49.3182344	184.852578	525.147683	316.299673	1075.618117	1.39765468	5.2390383	14.8082413	8.81457647	30.2595108	NonEnzyme Reg
1.89460094	13.2078675	24.4000717	8.12643945	47.6289796	276.230714	1913.7325	3574.31446	1189.36825	6953.64593	43.2588987	300.887108	556.756395	185.180025	1086.082443	1.23813891	8.4865283	15.6212033	5.12794626	30.4738713	NonEnzyme Reg
3.49259707	17.3029403	19.8759295	7.4731651	48.144632	536.531956	2614.05287	2939.46246	1102.61144	7192.65873	80.8257621	398.471841	455.391726	170.824127	1105.513446	2.35184341	11.3897375	12.7971215	4.78349162	31.322194	NonEnzyme Reg
5.80407155	20.5598859	18.7481352	4.86380564	49.9758983	918.055056	3181.92014	2886.45901	718.302692	7704.7369	134.63229	474.923313	433.070409	111.074656	1153.701731	3.82838811	13.434429	12.3057519	3.12268951	32.6912581	NonEnzyme Reg
3.57500518	21.336264	21.6905981	1.51742405	48.1192913	552.186767	3242.58596	3158.47054	237.94558	7191.18885	82.5728784	490.886583	494.344944	34.9499013	1102.754131	2.33618836	13.8256024	13.8225924	0.97063944	30.9550226	NonEnzyme Reg
3.08795634	17.1965482	24.6262655	4.08223293	48.993003	489.944239	2729.71557	3858.1613	651.82065	7729.64176	71.9646719	400.803448	570.485577	94.7365951	1137.990929	2.08026479	11.536912	16.0788372	2.62316825	32.3192115	NonEnzyme Reg
2.31136264	12.5214732	24.8125081	7.35919685	47.0045407	360.906213	1920.67325	3755.05286	1130.05102	7166.68334	53.5843847	288.636483	568.831043	169.284287	1080.3362	1.50592451	8.0955092	15.729736	4.65633718	29.9875076	NonEnzyme Reg
2.07112091	17.9252129	21.0811622	7.30852223	48.3860182	323.841663	2795.30032	3263.45624	1074.26996	7456.86818	48.1994033	415.546554	486.572281	166.624233	1116.942747	1.39532785	11.836691	13.6456784	4.58728952	31.4649872	NonEnzyme Reg
1.959051	16.030279	19.1235608	8.65031906	45.7632099	279.244532	2362.54765	2897.8553	1285.56203	6825.2095	44.4649609	365.916118	439.349386	198.074997	1047.805747	1.25670315	10.214131	12.284115	5.55530824	29.3102635	NonEnzyme Reg
5.83956824	25.0088622	13.2675987	3.90070323	48.0167323	885.560428	3873.82824	2044.67776	562.173116	7366.23955	134.23302	578.584063	306.381272	88.5615511	1107.760119	3.78985732	16.5067249	8.68285294	2.46585186	31.445287	NonEnzyme Reg
4.30816528	30.1262604	11.7604927	1.95456944	48.1494878	611.38766	4349.08643	1658.7925	304.43215	6923.6987	97.9999913	686.034305	266.389067	45.4419694	1095.865333	2.77997794	19.3141856	7.37866434	1.30491471	30.7777425	NonEnzyme Reg
4.73540335	28.4599325	10.7070171	1.92083315	45.8231861	699.96225	4278.29649	1648.33221	338.21577	6964.80672	108.125352	652.434075	246.237964	45.4821959	1052.279559	3.04323015	18.273689	6.78434471	1.23558147	29.3368453	NonEnzyme Reg
2.95049088	19.0439457	21.3508697	4.23753748	47.5828438	450.812378	2943.61578	3271.72938	651.52743	7317.68539	68.4275043	440.747567	492.156659	97.3887444	1098.720747	1.97492333	12.5271171	13.8519744	2.67994409	31.0339589	NonEnzyme Reg
2.4708749	12.0832332	25.2891489	10.4419993	50.2852562	408.690259	1972.94554	4002.69626	1685.35343	8069.6855	58.2078079	282.999696	586.347649	243.170413	1170.725757	1.68975328	8.0831478	16.3528592	6.78513069	32.910891	NonEnzyme Reg
3.47663669	24.2612412	18.0941635	2.87184247	48.7038839	546.674393	3768.40531	2734.86462	414.127634	7464.07195	80.9550099	561.093685	415.515732	65.3479244	1122.912335	2.32467727	15.89475	11.730121	1.81989288	31.7694416	NonEnzyme Reg
2.83120039	10.0268234	21.9660913	12.9825176	47.8066327	413.276618	1538.17082	3326.70662	1902.32973	7180.48379	64.7879332	231.259193	504.246673	296.071798	1096.3656	1.85324804	6.5693501	14.1125871	8.27439449	30.8095807	NonEnzyme Reg
0.56481247	14.4520947	24.4698431	10.1406424	49.6273927	82.0933891	2220.75427	3778.65881	1544.23704	7625.74351	12.8813012	333.831982	565.457489	233.467747	1145.638552	0.37052987	9.6173478	16.1139692	6.59460293	32.6964498	NonEnzyme Reg
2.50876732	14.9046765	24.9978122	4.70537119	47.1166272	381.852293	2313.7809	3923.56176	700.59545	7319.79042	57.6892553	344.60037	579.572497	107.654252	1089.516737	1.62953008	9.8251134	16.5404541	2.99420879	30.9893065	NonEnzyme Reg
0.77142255	11.8095201	26.7588622	9.61419229	48.9539972	119.616377	1823.14364	4173.8094	1563.35837	7679.92778	17.8500616	272.286221	617.635897	223.948884	1131.721706	0.50954084	7.6954063	17.2293609	6.2669985	31.7013066	NonEnzyme Reg
2.07501214	21.7837235	22.5703017	3.56797448	49.9970121	308.09247	3248.03534	3378.2236	567.72523	7502.07665	47.3524876	497.395649	515.732259	82.2342303	1142.714763	1.33102892	13.84038	14.2094363	2.19995458	31.5807997	NonEnzyme Reg
1.87205957	14.6208561	27.0116769	5.23647819	48.7410708	301.134235	2281.88726	4109.00765	801.69849	7493.72765	43.559107	338.307188	621.359411	120.520601	1123.746131	1.23346675	9.5907508	17.4388375	3.36150332	31.6245227	NonEnzyme Reg
3.88444813	14.0705127	22.5047417	7.42754142	47.8872439	576.277385	2108.38444	3378.0181	1105.61984	7168.29976	89.2218325	323.227984	516.632801	170.106633	1099.189225	2.45418492	8.9108536	14.3858342	4.68388003	30.4347528	NonEnzyme Reg
0.49080714	11.5738348	24.9507885	11.9648093	48.9802398	76.6486868	1751.0005	3772.09311	1780.28979	7380.03208	11.3555424	266.224466	573.639498	273.707171	1124.926768	0.32557969	7.5258421	16.11086	7.55890892	31.5211918	NonEnzyme Reg
2.31454282	15.6410383	17.9927197	13.4662097	49.4145105	360.069272	2347.59352	2708.38084	2065.6802	7481.72383	53.4482285	359.020678	413.165113	310.148706	1135.782773	1.48953866	10.072947	11.5790442	8.68246619	31.823997	NonEnzyme Reg
2.13315173	13.9738447	24.44599	8.68437772	49.317284	316.492697	2100.15124	3708.37243	1317.05718	7454.18909	48.7343303	320.7725	561.959515	199.940444	1133.245333	1.35533116	9.0377816	15.7670679	5.65920039	31.8708233	NonEnzyme Reg

2.70403289	17.9311357	25.2156147	3.09420632	48.9449895	404.55932	2733.63166	3805.27127	454.109422	7397.57167	62.0542446	412.753069	579.795274	70.9301881	1125.53278	1.74580126	11.6964362	16.4458083	2.00307284	31.8911186	NonEnzyme Reg
2.63404446	13.1396979	25.2374607	6.80047006	47.81167 3	403.72921 3	1980.87759	3778.10207	1023.94425	7186.65312	60.7155615	301.39252 6	577.054304	155.80949 2	1094.97188	1.72154384	8.42301202	15.8835072	4.32556898	30.3536321	NonEnzyme Reg
3.07233346	15.2270732	25.4128166	4.54828812	48.2605113	447.51631 8	2253.96887	3697.36594	653.631449	7052.48258	70.2145447	348.724453	578.811628	103.25345 1	1101.00408	2.00866177	9.93439326	16.2421838	2.85125086	31.0364897	NonEnzyme Reg
2.56466021	18.749402	21.0187918	6.34843771	48.6812917	384.07814 8	2991.11066	3262.54099	936.705619	7574.43542	58.8415819	436.408714	485.790634	144.90539	1125.94632	1.67739408	12.4544277	13.7333956	4.00459742	31.8698148	NonEnzyme Reg
2.36080092	11.390221	25.4792186	5.72652757	44.9567681	367.48111 6	1822.98602	4018.77714	868.806279	7078.05056	54.6575913	265.842635	591.841787	131.83493 2	1044.17695	1.54343456	7.62889335	16.6840479	3.66552371	29.5218995	NonEnzyme Reg
1.91772135	33.2040843	11.9864755	2.50720338	50.2395032	285.31769 1	4918.32347	1851.1025	471.802183	7646.28458	43.9335529	759.082761	276.121721	60.2831451	1154.509	1.25066193	21.3399601	7.72355728	1.62297102	32.3408715	NonEnzyme Reg
1.62952202	11.7024198	29.2265514	6.51579981	49.0742931	246.53107 5	1817.46894	4483.83058	1005.68549	7553.51609	37.5635261	271.755097	675.336063	150.601498	1135.25618	1.07885989	7.83881715	19.1496015	4.25998406	32.3272626	NonEnzyme Reg
19.8085944	22.1944111	4.63170911	1.06376 79	47.8165177	3023.8431 7	3388.92018	678.298941	152.491204	7260.25894	457.37691 7	510.944004	105.296734	24.2977763	1100.59143	12.9974244	14.2886294	2.88010631	0.66779345	30.9056428	NonEnzyme Reg
2.68226978	16.124521	21.485532	7.83144301	48.1237658	403.52894 9	2428.27854	3211.49372	1156.77375	7200.07496	61.6961949	370.675199	492.942637	179.41313 9	1104.72717	1.75221357	10.4788299	13.9402993	5.07058968	31.2419325	NonEnzyme Reg
6.81594575	25.4899728	12.2303069	3.60764869	48.1438741	1019.7028 8	3721.81093	1721.73497	503.938355	6967.18713	155.915971	580.391353	276.711235	81.84732 63	1094.86589	4.33906692	16.1261573	7.64712707	2.24897084	30.3613222	NonEnzyme Reg
1.21956662	20.8548334	20.4809138	4.65172682	47.2070412	178.86068 8	3138.12387	3156.047	704.197266	7177.22882	27.9119809	478.727468	472.154222	106.34109 4	1085.13477	0.79822494	13.5716141	13.2241141	2.89551335	30.4894665	NonEnzyme Reg
3.56935042	9.6870718 4	27.023711	7.20214501	47.9984874	518.70274	1457.43127	4155.76537	1124.76174	7335.87712	81.3724418	222.230596	622.152079	166.44034 8	1104.1221	2.29763184	6.22104967	17.2821316	4.66895068	30.8096786	NonEnzyme Reg
1.83715712	9.7577642 8	24.8348359	10.9769457	47.4067 03	259.82734 6	1405.00511	3646.49869	1594.73354	6906.06468	41.6162 36	221.626043	566.234517	249.84131	1079.31811	1.17931541	6.22888147	15.7456107	6.92365413	30.0774617	NonEnzyme Reg
1.959051	16.030279	19.1235608	8.65031906	45.7632099	279.24453 2	2362.54765	2897.8553	1285.56203 5	6825.20995	44.4649 69	365.916118	439.349386	198.07499 7	1047.80547	1.25670315	10.2141371	12.28411 5	5.55530824	29.3102635	NonEnzyme Reg
2.92610151	24.2676938	15.3138633	5.66212386	48.1697824	433.19319 7	3567.29213	2265.86695	876.189494	7142.54176	66.9382971	553.626676	349.740339	130.22321 2	1100.52852	1.89984242	15.5675945	9.72724165	3.55729792	30.7519765	NonEnzyme Reg
2.53101644	13.642807	19.8377088	10.6487562	46.6602883	385.03888 1	2078.24092	3010.10433	1566.52319	7039.90732	58.3005584	313.942088	456.32366	243.5503	1072.11661	1.66941844	8.86766017	12.8093456	6.86421262	30.2106369	NonEnzyme Reg
3.56675084	20.8691492	20.6039762	3.49501863	48.5348949	584.57928	3330.4178	3127.5292	524.818753	7567.34497	83.4444283	485.798321	474.081672	80.122793 7	1123.44722	2.38039811	13.8246619	13.3090878	2.25067622	31.7648244	NonEnzyme Reg
2.68187577	14.8516638	22.3322572	10.1442412	50.0100378	421.05801 6	2293.43118	3428.14379	1562.53472	7705.1677	62.2409232	342.946724	514.191672	233.12176 9	1152.50109	1.79411281	9.75756257	14.415193	6.443222	32.4100904	NonEnzyme Reg
0.98104028	10.5824479	23.324801	13.6147422	48.5030313	165.43728 8	1720.60298	3694.23911	2098.59747	7678.87685	23.2194533	247.488437	541.312445	313.9914	1126.01174	0.68737418	7.16277288	15.3284477	8.76842177	31.9470165	NonEnzyme Reg
4.90818463	29.3954044	13.3587752	1.63476687	49.4406399	777.86872 6	4506.00414	2069.16238	248.448669	7621.77263	113.88213	676.985382	308.055834	37.6286221	1139.80342	3.22252642	18.993695	8.60430267	1.04975827	31.9612971	NonEnzyme Reg
1.2935356	16.766774	22.5938808	9.04598143	49.7001718	201.43555 4	2599.5071	3428.57775	1374.62186	7604.14226	29.9779944	388.450283	519.994505	208.092828	1146.51561	0.85443886	11.0919201	14.6829993	5.89522833	32.5245865	NonEnzyme Reg
1.53153519	15.7080498	27.4639707	5.14051785	49.8440736	228.84996	2332.38311	4158.38176	780.575175	7500.19	34.9098518	358.325654	630.757609	118.158259	1142.15137	0.96148 71	9.93606924	17.6628482	3.23723086	31.7976354	NonEnzyme Reg
0	6.1081073 4	24.2222661	16.6191595	46.9495329	0	883.55924 4	3537.1541	2456.57455	6877.2879	0	139.397095	553.147956	380.05842	1072.60347	0	4.01121883	15.7991545	10.7794186	30.5897919	NonEnzyme Reg
0	10.3721458	22.9007613	15.6067662	48.8796734	0	1550.36259	3447.84543	2343.56315	7341.77116	0	238.169919	526.684779	359.150757	1124.00546	0	6.77867196	14.9013633	10.1624351	31.8424703	NonEnzyme Reg
2.75634392	18.9439291	21.7441739	6.02528463	49.4697316	380.32608 1	2706.45069	3198.52936	898.3839	7183.69003	62.3646061	430.69445	496.809796	138.487605	1128.35646	1.76050532	12.0573715	13.8928461	3.89946698	31.6101898	NonEnzyme Reg
2.55315412	16.3880222	15.1709141	15.9877937	50.0998841	386.99980 6	2447.16245	2257.12403	2407.84248	7499.12876	58.6871424	375.872934	347.889077	367.076488	1149.52564	1.64769216	10.5227914	9.72030291	10.2389701	32.1297565	NonEnzyme Reg
3.62685639	20.2769955	19.4249249	4.34708417	47.675861	588.28707 7	3124.32228	2953.23554	660.959575	7326.80447	84.7191984	468.522479	447.125262	99.9709973	1100.33794	2.41855323	13.2981 28	12.582261	2.81707042	31.1160126	NonEnzyme Reg
0	9.9681282 6	25.8543578	11.2229028	47.0453889	0	1455.15974	3809.58334	1658.59148	6923.33456	0	228.01661	592.036015	257.780695	1077.83332	0	6.44045 54	16.4666827	7.23439 16	30.1415297	NonEnzyme Reg
1.04797535	15.7163734	23.1953533	7.87852384	48.140002	166.95528 5	2466.92381	3584.94532	1204.98175	7469.14026	24.4533928	365.270073	536.10639	181.543091	1114.30654	0.71943165	10.5501753	15.1763365	5.07086051	31.7076167	NonEnzyme Reg
3.90617457	23.2365943	21.1244261	1.13521233	49.4024073	621.81731 4	3636.35073	3242.91851	175.606319	7676.69287	91.2734746	539.239659	488.221927	26.2525155	1144.98758	2.62174771	15.3732179	13.8314787	0.74496964	32.5714 4	NonEnzyme Reg
4.92579077	18.7617048	17.7615099	5.88059481	47.3296002	717.05128 3	2660.28139	2518.52973	835.403277	6731.26568	112.080981	425.313891	402.605605	133.191277	1073.19175	3.15372 37	11.9694016	11.2896956	3.66829131	30.0811122	NonEnzyme Reg

2.345472 45	12.06493 48	27.71307 68	6.203623 79	48.32710 78	357.2349 71	1844.136 56	4180.961 45	916.6581 73	7298.991 16	53.96500 72	277.6584 71	635.1927 06	141.4737 16	1108.289 9	1.503944 05	7.785678 26	17.72886 74	3.886753 41	30.90524 31	NonEnzyme Reg
9.593480 89	28.10841 21	9.076578 45	2.129929 14	48.90840 06	1483.020 59	4353.686 4	1365.235 12	293.3212 98	7495.263 4	221.1677 99	648.6244 03	207.6282 61	47.99278 82	1125.413 25	6.189531 56	18.22260 93	5.714568 41	1.314659 36	31.44136 86	NonEnzyme Reg
1.141055 99	10.69742 55	24.86596 4	9.592440 75	46.29688 63	181.6185 25	1727.273 22	3813.517 54	1458.346 78	7180.756 06	26.56218 53	249.8436 65	573.2972 35	220.7056 67	1070.408 75	0.768720 17	7.180085 86	16.15451 81	6.136033 99	30.23935 81	NonEnzyme Reg
1.932252 81	13.80465 46	26.08806 87	5.479798 96	47.30477 5	295.1165 08	2053.236 5	3831.684 05	791.7652 78	6971.802 34	44.51027 96	316.3706 51	595.8679 79	124.6871 23	1081.436 03	1.267210 11	8.951444 1	16.69387 99	3.481475 88	30.39401	NonEnzyme Reg
0.976272 78	15.43188 38	26.16394 76	4.950913 39	47.52301 76	155.7572 84	2451.666 96	4088.941 51	751.8075 03	7448.173 25	22.82203 32	359.5588 73	606.1730 49	113.9302 83	1102.484 24	0.668190 28	10.37150 32	17.14998 2	3.210612 69	31.40028 81	NonEnzyme Reg
4.931360 64	23.71739 91	16.77028 44	3.096522 77	48.51556 69	740.4373 87	3493.241 44	2535.853 58	451.4173 4	7220.949 75	113.1902 29	542.0927 65	385.0886 13	70.90006 37	1111.271 67	3.212772 7	15.19948 94	10.68351 09	1.953441 37	31.04921 44	NonEnzyme Reg
2.049989 23	9.974450 86	22.40055 36	11.98011 07	46.40510 44	313.2436 12	1552.916 95	3518.176 23	1853.185 97	7237.522 77	47.08570 71	230.7704 42	518.9285 27	276.4253 12	1073.209 99	1.293935 15	6.485323 88	14.48854 14	7.606193 3	29.87399 37	NonEnzyme Reg
1.995524 45	12.23129 69	24.22180 21	9.094176 6	47.5428	330.4026 2	1960.770 41	3777.106 18	1428.963 89	7497.243 1	47.17018 54	286.7120 77	564.3080 23	211.4415 09	1109.631 79	1.362695 48	8.193273 12	15.88671 31	5.978147 01	31.42082 87	NonEnzyme Reg
2.236229 42	13.10898 35	22.79625 32	9.403194 25	47.54466 04	333.7774 6	1954.213 88	3490.357 2	1389.085 06	7167.433 59	51.30459 89	300.3933 25	524.6949 63	214.7839 17	1091.176 8	1.458428 58	8.447152 02	14.75888 92	6.001023 54	30.66549 33	NonEnzyme Reg
1.573850 58	23.97557 56	17.81182 04	3.836278 77	47.19752 54	242.1089 46	3673.912 17	2688.511 96	557.3872 99	7161.920 38	36.42153 61	552.8999 87	408.7360 82	87.46034 67	1085.517 95	1.048655 22	15.62465 99	11.32189 74	2.402860 64	30.39807 31	NonEnzyme Reg
1.013937 43	9.928823 2	21.80132 41	15.94962 07	48.69370 54	150.9773 67	1481.936 41	3276.856 31	2382.013 59	7291.783 67	23.31308 82	228.1855 51	499.9680 24	365.1429 5	1116.609 61	0.675114 87	6.510184 38	14.05945 87	10.17256 52	31.41732 32	NonEnzyme Reg
2.482035 97	12.55730 31	23.30338 7	9.642856 28	47.98558 24	389.0249 75	1925.213 56	3533.167 86	1437.410 68	7284.817 08	57.45242 89	289.7013 25	536.8623 74	221.2131 19	1105.229 25	1.616576 28	8.232547 67	15.22746 05	6.227671 75	31.30425 62	NonEnzyme Reg
2.635979 54	16.68529 97	23.98682	4.857043 93	48.16514 32	419.6776 17	2507.387 99	3602.643 84	746.9264 93	7276.635 93	61.08686 34	382.7794 99	550.1478 66	111.8794 97	1105.893 73	1.712425 79	10.73880 02	15.48740 72	3.106338 66	31.04497 18	NonEnzyme Reg
2.679993 98	17.75374 75	20.60926 86	6.490998 11	47.53400 82	410.2907 44	2665.775 56	3080.099 14	1071.289 15	7227.454 59	61.84747 44	407.7104 4	472.2342 46	152.7664 99	1094.558 66	1.758167 02	11.48850 45	13.16924 19	4.363232 99	30.77914 65	NonEnzyme Reg
1.374729 24	14.42110 65	22.15117 55	10.54572 25	48.49273 38	203.6133 83	2224.826 39	3401.746 89	1606.395 22	7436.581 88	31.50754 58	333.0985 11	510.3287 51	242.8903 27	1117.825 14	0.903650 93	9.472007 01	14.35498 81	6.812307 88	31.54295 39	NonEnzyme Reg
0.603577 6	17.50046 7	24.62077 66	5.333074 83	48.05789 6	90.67826 55	2620.333 67	3612.018 56	773.8434 46	7096.873 93	13.89410 13	402.3315 81	563.2475 55	121.5172 13	1100.990 45	0.400348 69	11.46120 41	15.81151 95	3.323833 31	30.99690 55	NonEnzyme Reg
2.666123 97	16.99582 84	21.69918 92	5.633266 28	46.99440 79	389.4652 2	2507.536 73	3314.979 64	867.5392 01	7079.520 79	60.77664 08	387.6728 99	498.5468 76	129.7479 97	1076.744 41	1.709448 33	10.76144 44	13.94930 99	3.629636 11	30.04983 87	NonEnzyme Reg
2.861963 32	19.04204 3	21.50577 59	4.325716 53	47.73549 88	452.2083 18	2936.631 9	3284.703 65	650.3937 79	7323.937 65	66.46507 43	439.4579 59	494.7126 57	98.96815 91	1099.603 85	1.888455	12.36100 23	13.78302 76	2.721256 76	30.75374 17	NonEnzyme Reg
0.210249 21	9.870294 56	21.25443 18	15.74711 01	47.29822 67	28.93816 71	1375.671 04	3031.344 04	2266.617 83	6733.779 81	4.747413 55	223.1840 43	482.9407 47	358.2978 36	1074.099 28	0.136277 88	6.304586 6	13.66401 39	10.08081 26	30.32394 9	NonEnzyme Reg
0.578006 67	14.21792 19	21.44262 73	11.12228 37	47.36083 97	89.17649 66	2246.530 58	3358.537 19	1736.378 4	7430.622 67	13.27024 94	329.5081 34	496.2056 31	257.0353 55	1096.019 37	0.365534 19	9.264261 67	13.93075 93	7.127048 78	30.68760 39	NonEnzyme Reg
2.828495 91	12.39045 59	26.90051 62	6.767554 2	49.18186 26	436.6885 53	1884.367 26	4093.114 35	1012.449 75	7466.911 31	65.64223 21	285.6365 9	618.9183 09	154.9609 06	1131.803 49	1.926861 15	8.166711 53	17.28961 37	4.325300 15	31.89723 4	NonEnzyme Reg
3.750673 98	22.40860 89	20.96875 52	3.182285 28	50.31032 33	588.2004 24	3356.170 15	3183.593 32	494.8528 84	7622.816 78	87.38602 43	514.3817 43	482.8461 22	73.44241 21	1158.056 3	2.560618 58	14.55651 31	13.52453 69	2.022642 42	32.66431 1	NonEnzyme Reg
1.640644 43	17.09160 54	23.86211 5	6.905558 26	49.49992 31	268.1873 64	2707.209 24	3673.813 12	1061.499 75	7710.709 47	38.38045 45	396.7189 32	550.7676 2	159.2562 72	1145.123 28	1.102797 09	11.29363 31	15.62638 91	4.484283 94	32.50710 32	NonEnzyme Reg
1.883057 55	15.78452 98	20.77537 09	11.90106 39	50.34402 21	282.5428 35	2447.783 12	3164.293 83	1894.791 64	7789.411 42	43.10981 25	364.8475 17	477.8490 42	276.2755 7	1162.081 94	1.195093 15	10.36324 49	13.46338 47	7.804385 3	32.82610 8	NonEnzyme Reg
0.496962 56	7.416622 62	20.52859 38	20.80008 9	49.24226 8	83.59594 95	1144.693 39	3116.152 12	3147.073 47	7491.514 93	11.74700 91	171.3783 02	472.5408 31	477.9474 79	1133.613 62	0.344862	4.906066 14	13.34071 13	13.34692 45	31.93856 39	NonEnzyme Reg
2.380946 26	11.28324 82	25.45029 55	9.343748 42	48.45823 84	358.5736 45	1741.568 24	3980.519 94	1470.039 75	7550.701 58	54.87628 08	261.2751 8	590.3347 75	216.2946 63	1122.780 9	1.600169 72	7.544286 28	16.79982 69	6.027443 53	31.97172 64	NonEnzyme Reg
3.001092 99	17.59610 39	21.35008 06	6.313388 27	48.26066 57	458.9827 45	2747.380 35	3320.357 74	965.7000 92	7492.420 93	69.06365 97	406.5304 36	492.6828 72	145.1589 32	1113.435 9	1.953511 41	11.41612 35	13.81479 81	4.051102 54	31.23553 56	NonEnzyme Reg
1.023784 69	14.30194 3	20.57860 19	13.54381 48	49.44814 44	148.6937 06	2155.475 29	3175.984 52	2104.576 02	7584.729 55	23.40939 03	329.4842 51	476.6548 78	313.6926 51	1143.241 17	0.656285 2	9.235572 96	13.39319 68	8.757235 45	32.04229 04	NonEnzyme Reg
0.652719 07	9.792138 61	23.32444 1	15.70897 8	49.47827 66	92.67253 21	1491.843 65	3686.564 44	2480.006 16	7751.086 78	14.81370 98	225.6486 65	541.3281 61	364.2176 32	1146.008 17	0.421934 72	6.456556 43	15.39267 35	10.32507 33	32.59623 79	NonEnzyme Reg
1.861827 58	11.65852 12	21.63212	13.71970 58	48.87217 45	302.1987 77	1842.038 18	3327.799 47	2107.550 33	7579.586 75	43.63029 38	270.8198 03	498.8982 2	316.0078 18	1129.356 13	1.270825 34	7.751099 58	14.12583 6	8.856376 01	32.00413 7	NonEnzyme Reg
1.586254 69	9.513501 88	23.50487 95	12.94878 58	47.55342 18	237.6570 25	1468.419 16	3630.459 85	1971.761 23	7308.297 26	36.51101 9	220.2857 98	543.8770 17	298.2692	1098.943 03	1.034639 41	6.341043 83	15.54333 63	8.430430 65	31.34945 02	NonEnzyme Reg

2.780936	15.35161	23.75742	7.064012	48.95398	400.0870	2267.736	3588.723	1078.896	7335.443	63.17935	350.6569	545.7402	162.9053	1122.481	1.793395	9.916335	15.47823	4.625418	31.81338	NonEnzyme
	61	03	83	52	83	02	02	97	09	03	12	38	04	8	03	67	57	81	52	Reg
6.211155	16.91457	16.78787	8.796317	48.70992	985.2231	2722.452	2659.957	1346.864	7714.497	144.7922	395.5376	390.9045	203.4634	1134.697	4.132518	11.30375	11.11680	5.754567	32.30765	NonEnzyme
05	04	85	72	17	94	75	49	31	73	85	79	37	69	97	27	89	77	33	22	Reg
2.249443	14.29453	24.33476	7.089509	47.96824	323.4118	2169.529	3691.354	1073.929	7258.224	51.14540	328.7029	559.0573	162.5265	1101.432	1.435826	9.250281	15.62789	4.520869	30.83487	NonEnzyme
53	17	57	02	99	27	09	02	67	6	85	03	23	75	21	8	24	87	44	62	Reg
0.844441	11.72659	20.88831	13.16988	46.62924	122.1942	1731.557	3093.080	1934.065	6880.897	19.24890	268.5552	477.9770	301.1562	1066.937	0.548333	7.682590	13.49313	8.468779	30.19283	NonEnzyme
91	94	7	59	43	94	05	71	49	56	2	4	74	78	49	58	28	38	78	75	Reg
	10.12764	27.72790	7.747953	45.60350		1487.609	3973.617	1110.712	6571.940		232.6042	632.7956	176.5952	1041.995		6.651444	17.77563	4.900245	29.32732	NonEnzyme
0	46	71	73	54	0	97	96	35	28	0	67	38	07	11	0	62	32	17	3	Reg
6.930650	37.13352	4.861135	0.638322	49.56363	1050.924	5574.028	756.2594	86.36320	7467.576	160.0293	852.5124	112.6298	14.38655	1139.558	4.578230	24.18173	3.229268	0.403214	32.39244	NonEnzyme
95	66	65	98	62	98	86	64	5	51	5	46	37	56	19	21	51	8	13	82	Reg
0.636203		25.28666	12.76332	49.18849	96.10554	1612.995	3905.128	1918.872	7533.101	14.60705	241.8069	582.3400	292.1093	1130.863	0.418697	6.866684	16.35630	8.142214	31.78390	NonEnzyme
61	10.5023	62	84	82	29	48	28	11	4	61	55	2	63	39	38	25	52	52	14	Reg
	9.341199	22.81623	15.10348	47.26091		1325.551	3261.334	2149.896	6736.783		211.9339	518.6473		1073.421		5.950355	14.45187	9.471649	29.87388	NonEnzyme
0	48	22	55	71	0	92	6	75	26	0	27	14	342.84	24	0	58	48	94	04	Reg
0.601345	17.78436	22.24416		47.98214	94.72763	2658.696	3358.058	1071.597	7183.079	14.01039	408.3455	511.4183	167.6784	1101.452	0.402213	11.55338	14.41776	4.650058	31.02342	NonEnzyme
92	98	01	7.352271	68	98	43	22	46	75	2	94	16	02	7	01	44	86	84	48	Reg
4.417752	24.53700	16.33190	3.109074	48.39573	682.4527	3707.015	2416.132	467.6644	7273.265	102.4856	564.7476	374.0274	71.00156	1112.262	2.927377	15.90435	10.48629	1.961082	31.27910	NonEnzyme
55	28	11	15	06	09	77	73	47	65	99	24	93	08	38	73	38	07	55	48	Reg
2.292516	9.434396	27.46021	10.09894	49.28607	369.9501	1507.992	4225.650	1543.041	7646.634	53.68060	220.0340	633.9451	232.9779	1140.637	1.571433	6.350684	17.92102	6.552894	32.39603	NonEnzyme
03	84	79	22	3	45	58	61	33	67	38	6	07	73	74	61	72	67	75	98	Reg
2.209180	33.28448	9.400955	4.454160	50.10549	332.0792	5026.971	1362.891	668.6411	7505.000	50.55593	762.2354	213.7604	102.1949	1146.238	1.425744	21.27758	5.932607	2.882708	32.01972	NonEnzyme
18	15	01	57	92	08	61	58	65	09	13	11	76	39	64	24	52	82	73	61	Reg
1.501467	10.30177	27.16522	9.198936	48.16739	225.8529	1591.220	4164.723	1401.086	7382.883	34.57615	238.6842	626.6772	211.5676	1111.505	0.976032	6.817231	17.69954	5.918661	31.41147	NonEnzyme
62	04	29	06	7	59	61	6	36	53	81	79	02	41	28	95	92	48	42	11	Reg
2.549079	6.898906	24.54181	14.10457	48.09437	394.2034	1079.077	3751.473	2108.206	7332.961	59.10988	160.9032	567.3518	323.8974	1111.262	1.695490	4.612721	15.95850	9.017115	31.28383	NonEnzyme
01	13	39	8	7	31	84	62	61	5	9	62	19	19	39	57	09	65	3	35	Reg
7.392980	14.52061	18.27566	10.87909	51.06835	1037.918	2050.648	2611.810	1555.917	7256.294	167.7996	330.2352	415.5989	247.2166	1160.850	4.745471	9.173673	11.46742	6.900198	32.28676	NonEnzyme
66	65	27	16	15	04	36	89	33	63	07	9	89	9	58	32	1	29	59	59	Reg
1.463243	14.60257	20.56059	10.55027	47.17669	211.7334	2226.032	3167.672	1591.289	7196.728	33.30291	336.6924	474.3095	241.9567	1086.261	0.930198	9.530931	13.39252	6.745365	30.59902	NonEnzyme
67	62	79	92	69	17	76	51	67	35	23	46	25	06	59	92	28	74	22	28	Reg
	8.032745	22.17526	12.45192	42.65993			3130.366	1759.620	6044.173		183.8087	505.6521	283.6014	973.0623		5.174072	13.95451	7.813245	26.94183	NonEnzyme
0	54	64	52	71	0	1154.186	42	73	15	0	3	55	51	37	0	94	89	57	74	Reg
2.395508	17.27879	27.66947	1.291000	48.63478	392.5905	2702.686	4310.047	207.4983	7612.823	56.08987	400.5892	639.4165	29.90720	1126.002	1.600237	11.40392	17.92544	0.819268	31.74887	NonEnzyme
75	68	8	97	46	7	66	69	64	29	2	62	13	99	86	93	11	41	9	2	Reg
5.635642	23.51575	15.55583	5.274003	49.98123	805.7904	3414.890	2283.813	774.1297	7278.624	127.9026	536.5099	356.2580	120.7461	1141.416	3.560034	15.18367	10.10914	3.485838	32.33869	NonEnzyme
57	89	29	75	81	21	35	7	43	21	25	6	99	33	82	02	35	48	42	07	Reg
2.692752	15.70036	25.90445	3.015971	47.31353	411.7090	2339.970	3931.239	450.5544	7133.473	62.03898	359.9356	594.7821	69.15604	1085.912	1.763435	10.16793		1.937639	30.41717	NonEnzyme
24	09	01	91	51	57	56	92	05	94	64	29	88	09	84	43	84	16.54816	67	35	Reg
1.569478	10.63084	24.40665	13.09313	49.70011	255.8827	1634.152	3715.939	1927.912	7533.886	36.89820	245.5215	561.5365	298.8855	1142.841	1.093362	7.007299	15.86284	8.317910	32.28142	NonEnzyme
78	99	24	43	54	93	28	08	02	17	54	18	86	46	86	46	23	94	28	14	Reg
4.691411	19.31538	18.36153	5.493461	48.51037	725.3357	2958.606	2897.331	820.9907	7498.479	108.6560	446.8478	427.3006	126.1584	1123.847	3.177696	13.01451	12.32217	3.617024	32.56528	NonEnzyme
53	93	04	98	23	84	93	12	9	61	24	47	76	52	09	85	53	65	52	4	Reg
	18.94608	12.50160	18.28011	49.72780		3265.392		3138.937	8553.165		450.4069	296.7014	433.9470	1181.055		13.23301	8.718812	12.61817	34.56999	NonEnzyme
0	05	45	67	16	0	99	2148.835	65	64	0	78	61	52	49	0	11	91	5	9	Reg
8.833677	29.09684		1.769932	46.68726	1307.239	4290.175	1050.555	264.0845	6912.055	202.5860	665.4267	159.7781	40.43946	1068.230	5.847669	18.80163	4.367804	1.115921	30.13302	NonEnzyme
9	55	6.986807	61	3	31	85	93	91	69	17	64	17	06	36	9	38	18	23	91	Reg
3.800144	19.65734	21.84219	3.115675	48.41536	632.7536	3128.464	3476.641	492.2191	7730.078	89.88673	459.4441	508.9775	71.98490	1130.293	2.597593	13.06323	14.47289	1.991041	32.12475	NonEnzyme
4	69	63	16	27	86	48	53	75	87	47	12	49	05	3	48	03	48	19	98	Reg
4.235952	25.43653	17.93315	2.084761	49.69039	677.4501	3880.554	2708.444	314.4842	7580.933	98.95700	585.9782	411.0685	48.14882	1144.152	2.884754	16.68690	11.45941	1.377707	32.40877	NonEnzyme
45	37	26	03	99	47	42	57	88	42	99	35	99	73	67	93	2	05	86	53	Reg
2.189400	17.82624	23.36500	5.090200	48.47085	324.7966	2672.285	3489.302	771.8720	7258.256	50.08034	408.4113	535.4606	117.1629	1111.115	1.405864	11.45414	15.00822	3.260781	31.12901	NonEnzyme
93	82	12	14	04	8	21	65	1	54	29	13	77	71	3	91	32	54	41	49	Reg
4.052569	25.58889	14.09013	3.636051	47.36765	602.0570	3845.685	2116.211	532.1224	7096.076	93.30196	587.1713	322.8326	82.80179	1086.107	2.663229	16.45137	8.988562	2.258653	30.36182	NonEnzyme
57	97	18	76	29	72	61	72	25	83	57	5	53	32	76	79	91	63	37	49	Reg
3.832944	21.27898	21.04522	2.685363	48.84251	562.2283	3286.263	3304.010	418.5549	7571.057	87.82140	492.3330	487.5892	62.06019	1129.803	2.530950	14.02363	13.75923	1.712393	32.02621	NonEnzyme
17	59	39	57	76	55	06	97	37	32	78	93	71	25	96	37	54	95	1	83	Reg
1.413268	11.92670	23.44060	10.24150	47.02208	211.7206	1757.699	3463.053	1540.523	6972.996	32.45315	272.8656	537.5279	235.7356	1078.582	0.906984	7.637856	15.13374	6.635626	30.31421	NonEnzyme
17	1	77	58	27	51	17	1	24	16	48	98	1	25	39	54	23	51	1	2	Reg
1.014479	21.65678	19.58951	4.966584	47.22736	153.0091	3320.217	2953.377	712.9588	7139.563	23.43966	500.5226	450.8753	113.2088	1088.046	0.679396	14.31073	12.68476	3.141978	30.81688	NonEnzyme
85	22	51	14	13	03	79	96	59	71	09	79	38	82	56	46	6	89	94	03	Reg

1.86350533	8.96946595	24.991253	14.0679474	50.1798574	284.879674	1378.26911	3828.21808	2146.82739	7679.3233	42.7392862	206.514546	575.400488	323.796393	1154.99019	1.19195246	5.84326311	16.3056397	9.18332313	32.7104402	NonEnzymeReg
1.17678171	8.59882483	25.5268772	12.7183811	48.0208649	178.60559	1317.6356	3810.54667	1888.65195	7195.43982	27.118033	198.443223	584.728835	290.688129	1100.97822	0.78483221	5.69657532	16.5330978	8.13246314	31.1469684	NonEnzymeReg
1.53596008	15.2717759	25.0270195	6.13913811	47.9738936	243.2331	2381.56401	3801.99867	950.533246	7377.32902	35.7126026	353.754937	575.453499	141.386483	1106.30752	1.01284658	10.0411591	16.1068857	3.91770597	31.0785973	NonEnzymeReg
1.86745379	10.9180064	24.4736548	10.3059623	47.5650773	279.96936	1644.28204	3685.51516	1547.74478	7157.51134	42.7857345	250.777315	562.03874	236.325555	1091.92735	1.18484144	7.07051993	15.892697	6.61745341	30.7655115	NonEnzymeReg
3.57500518	21.336264	21.6905981	1.51742405	48.1192913	552.186767	3242.58596	3158.47054	237.94558	7191.18885	82.5728784	490.886583	494.344944	34.9499013	1102.75431	2.33618836	13.8256024	13.8225924	0.97063944	30.9550226	NonEnzymeReg
4.53816921	10.5626368	26.2061259	8.35348707	49.6604189	687.216706	1629.15379	4143.95966	1300.34617	7760.67633	104.27261	243.218137	605.039664	192.665775	1145.19619	2.95794013	6.77699118	16.5642163	5.25066249	31.5498101	NonEnzymeReg
2.10912729	14.5203466	24.4635299	8.36267392	49.8312687	337.719871	2225.49805	3796.83603	1278.57223	7694.074	49.2974076	335.320452	565.908441	192.489911	1151.59885	1.44850005	9.60883664	16.154575	5.42072378	32.8755222	NonEnzymeReg
3.18068579	17.4319186	23.272971	5.14003652	49.0256119	485.12313	2717.27911	3636.86253	808.49432	7647.75909	73.3234708	403.795335	539.043034	119.05451	1135.21635	2.07935226	11.5024017	15.3423742	3.33310137	32.2572296	NonEnzymeReg
0.63620361	10.5023	25.2866662	12.7633284	49.1884982	96.1055429	1612.99548	3905.12828	1918.87211	7533.1014	14.6070561	241.806955	582.34002	292.109363	1130.86339	0.41869738	6.86668425	16.3563052	8.14221452	31.7839014	NonEnzymeReg
1.70899735	17.4186938	19.4204845	9.52569308	48.0738687	261.001643	2704.84868	3006.75986	1447.61323	7420.2234	39.4162752	402.642262	448.462235	218.762785	1109.28356	1.13749366	11.4234606	12.6638934	6.09779171	31.3226394	NonEnzymeReg
1.31967813	10.1077523	27.5991331	8.86090701	47.8874705	203.725222	1597.94037	4369.35836	1385.35076	7556.3747	30.5204781	234.773681	641.264308	204.912165	1111.47063	0.87558648	6.72749142	18.2172802	5.76079169	31.5811498	NonEnzymeReg
2.67185006	14.0847406	28.519921	3.45418771	48.7306999	407.815031	2115.40469	4324.37179	519.361365	7366.95288	61.6511652	323.328985	655.184456	79.1241428	1119.28875	1.74756242	9.12047885	18.4367998	2.21804856	31.5228896	NonEnzymeReg
2.47986288	17.1035027	25.8944649	3.85735497	49.3351855	398.399249	2691.67809	4030.47391	601.67967	7722.23092	58.0549137	397.654676	599.127789	89.424592	1144.26197	1.70039513	11.4420218	16.9485726	2.537164	32.6281535	NonEnzymeReg
2.01498167	15.130385	24.6254243	6.15248462	47.9232756	308.764645	2326.82562	3703.15414	890.973859	7229.71826	46.5208128	349.409217	565.610839	140.233128	1101.774	1.33659778	9.97323654	16.0043353	3.95280431	31.2669774	NonEnzymeReg
3.87073015	19.0101515	20.720878	4.20006697	47.8018261	614.614161	2919.11331	3213.7344	644.221671	7391.68354	90.0164441	438.561631	478.449141	96.8686754	1103.89589	2.58417507	12.4387626	13.4763535	2.72866563	31.2279574	NonEnzymeReg
3.76275801	14.9957004	22.1965379	5.31645744	46.2714537	548.347155	2198.82456	3324.70718	795.969466	6867.84837	86.0506796	343.214182	509.723945	121.920281	1060.90909	2.38484175	9.55638547	14.2246147	3.43662778	29.6024697	NonEnzymeReg
1.58625469	9.51350188	23.5048795	12.9487858	47.5534218	237.657025	1468.41916	3630.45985	1971.76123	7308.29726	36.5110191	220.285798	543.877017	298.2692	1098.94303	1.03463941	6.34104383	15.5433363	8.43043065	31.3494502	NonEnzymeReg
1.33815927	13.3908071	22.2783029	12.8495412	49.8568104	208.331388	2061.18424	3456.99372	1936.07873	7662.58808	31.0093346	309.094833	514.560462	294.878384	1149.54301	0.89313692	8.75219983	14.4643826	8.22891798	32.3386374	NonEnzymeReg
0.63741193	14.939187	24.3836693	9.20212906	49.1623973	96.4023465	2327.88906	3786.3292	1361.38853	7572.00913	14.6455637	345.950328	563.512758	210.02252	1134.13117	0.42038313	9.98385157	16.0656837	5.85169897	32.3216174	NonEnzymeReg
2.32274466	18.6226789	21.0433663	8.13810009	50.1268908	358.71146	2944.28404	3270.13013	1256.62696	7829.75259	53.7394573	433.635039	487.22074	187.580873	1162.17611	1.52231402	12.4566223	13.8334423	5.19738809	33.0097667	NonEnzymeReg
3.35957413	20.3060294	22.3895539	2.29343692	48.3485944	519.602693	3133.18697	3446.63901	342.138131	7441.5668	77.8379814	469.602363	516.860885	52.5656615	1116.86689	2.21911303	13.3432146	14.6103704	1.46712264	31.6398207	NonEnzymeReg
1.92877761	12.4360089	25.6844248	8.67174346	48.7209547	293.178953	1920.38115	3948.07847	1310.92432	7472.56289	44.4345074	287.205612	591.458919	199.02058	1122.11962	1.28123488	8.17936813	16.601218	5.58674107	31.6485621	NonEnzymeReg
2.63144831	17.9462812	25.6992771	1.78870242	48.065709	429.752199	2838.77625	3943.97324	275.488777	7487.99047	61.6561813	417.446398	592.827742	41.2670134	1113.19733	1.76919408	11.9871984	16.8014059	1.16831942	31.7261178	NonEnzymeReg
1.1171589	24.379772	16.1740131	8.39829036	50.0692343	171.339836	3683.22926	2474.69271	1261.67999	7590.94179	25.8129243	560.747018	372.827608	192.321756	1151.70931	0.74902097	16.0399176	10.5417949	5.34655133	32.6772847	NonEnzymeReg
8.36259423	23.8122991	14.2918649	2.08336864	48.5501268	1319.79152	3693.02525	2201.24258	315.836715	7529.89606	194.175902	551.574645	329.802536	47.9480096	1123.50109	5.48866485	15.6646969	9.26215895	1.35624457	31.7717653	NonEnzymeReg
1.55355222	9.86619172	23.7490783	11.3980806	46.5669029	236.213188	1529.67257	3579.14861	1662.28296	7007.31734	35.6915769	228.083931	545.437057	259.74795	1068.96052	1.00517491	6.45429428	15.2630817	7.20874963	29.9313006	NonEnzymeReg
7.35311842	24.531116	12.9872735	2.37695159	47.2484595	1152.19899	3858.61326	2111.2913	367.555985	7489.65953	170.42261	569.229527	303.566054	54.9848069	1098.203	4.87478106	16.258243	8.66227855	1.55408088	31.3493835	NonEnzymeReg
7.77943301	22.036001	13.631395	3.58869497	47.0355243	1194.01923	3381.37712	2009.51789	553.052495	7137.96673	179.642028	508.140629	311.368797	82.626369	1081.77782	5.11848991	14.3228651	8.69464252	2.30647479	30.4424723	NonEnzymeReg
3.47479189	19.9543637	18.8243156	5.24338216	47.4968533	567.425626	3057.90261	2863.29138	802.007907	7290.62752	81.3875903	459.844319	432.726703	120.68288	1094.64149	2.34646252	13.0360482	12.1781429	3.39657456	30.9572282	NonEnzymeReg
3.34720408	15.3561383	25.3792616	4.24700696	48.329611	544.831127	2422.65545	3775.34314	616.272271	7359.10198	78.319843	356.822589	580.943666	96.5951207	1112.68122	2.27448763	10.3098637	16.2834791	2.66937358	31.537204	NonEnzymeReg
4.88010598	23.5856887	16.0767261	6.62653247	51.1690533	741.15864	3569.71459	2389.17893	977.742929	7677.79509	112.291363	542.640038	368.315843	151.150927	1174.39817	3.18437533	15.3772504	10.317071	4.23949481	33.1181916	NonEnzymeReg

2.02281958	18.7621184	22.2535434	5.25496499	48.2934464	306.919093	2837.26093	3352.05233	784.674059	7280.90641	46.4919248	430.724675	510.134815	120.118738	1107.47015	1.31111694	12.1599194	14.3795263	3.36179711	31.2123597	NonEnzymeReg
4.56002255	26.3284774	16.0157075	2.01562083	48.9198282	713.621	4098.81424	2492.22099	297.847343	7602.50357	105.903329	609.713198	370.860131	45.9615685	1132.43823	3.06707964	17.3586683	10.495181	1.24342528	32.1643542	NonEnzymeReg
1.27914351	10.1885583	27.2125276	9.42251692	48.1027463	206.603534	1601.76606	4178.8884	1439.51669	7426.77469	29.9412635	236.728302	627.739819	217.184514	1111.5939	0.86639901	6.79706343	17.7720751	6.12300923	31.5585469	NonEnzymeReg
2.61856949	19.4147147	17.6486036	8.28988272	47.9717705	402.490138	2940.47908	2634.0929	1231.93588	7208.998	60.6694246	446.80405	404.176376	189.65979	1101.30973	1.75902708	12.6611934	11.3539572	5.29795574	31.0721334	NonEnzymeReg
1.91199165	14.4516215	21.49412	8.93821343	46.7959466	299.113637	2202.99891	3275.03649	1313.31315	7090.46218	44.3950741	333.149138	494.439812	203.7437	1075.72772	1.27912312	9.49158355	13.8649141	5.5930607	30.2286815	NonEnzymeReg
9.94196832	13.523894	13.368768	7.28386509	44.1184954	1460.41056	1941.09859	1885.73186	1014.78635	6302.02735	227.156406	307.111158	302.16671	164.160808	1000.59508	6.34414721	8.48808462	8.29295466	4.47590173	27.6010882	NonEnzymeReg
1.75608841	12.9950241	22.7149348	10.6023799	48.0684272	276.33214	2021.89247	3516.3118	1591.21948	7405.7559	40.6650557	300.452757	524.85491	243.183235	1109.15596	1.14017631	8.49372101	14.8556522	6.81866698	31.3082165	NonEnzymeReg
2.35291837	10.6284053	30.3892469	5.2587367	48.6293073	389.266032	1685.80588	4672.78457	811.396734	7559.25322	55.2089503	246.839185	700.64702	121.43624	1124.1314	1.59675314	7.04344936	19.8238434	3.42062229	31.8846681	NonEnzymeReg
1.93479972	13.8704984	26.7651421	4.93802946	47.5084697	309.750097	2158.92039	4019.39179	752.63411	7240.69639	45.0582973	320.88708	615.233229	113.837733	1095.01634	1.27538002	9.08992066	17.323963	3.17576861	30.8650325	NonEnzymeReg
7.02669569	27.3740787	10.5461032	2.09702259	47.0439002	1077.35183	4330.13795	1663.17443	301.246001	7371.91021	162.543903	637.424505	244.88979	47.67627 64	1092.53447	4.70434583	18.4655902	6.92000957	1.31442125	31.4043668	NonEnzymeReg
3.13898458	18.54302	20.7486042	4.74201829	47.1726271	469.145243	2757.44373	3135.5454	745.027915	7107.16228	71.9169602	424.731675	476.414413	109.538053	1082.6011	1.99042528	11.8622311	13.3242503	3.02044301	30.1973498	NonEnzymeReg
3.58507011	14.3672594	21.2173351	13.6860856	52.8557502	559.530631	2198.81608	3238.74136	2085.17792	8082.26598	82.3671313	329.266263	487.39822	312.896496	1211.92811	2.24230364	9.0339463	13.5381744	8.44803884	33.2624632	NonEnzymeReg
2.62308467	19.1000416	24.4662073	4.08992172	50.6303777	424.32898	3013.80796	3755.87424	627.934155	7873.39072	61.1318376	443.227594	564.182076	94.557748	1171.17745	1.74148514	12.6306601	15.9183852	2.66233428	33.1789107	NonEnzymeReg
2.11262839	14.4269597	27.0464285	5.28459534	48.870612	336.106593	2285.79274	4278.19412	776.867612	7676.96106	49.3407707	335.629062	628.340941	120.685669	1133.99644	1.4281438	9.60478155	17.8579491	3.36766053	32.2585349	NonEnzymeReg
2.07374209	17.1243837	24.9543973	5.08306261	49.2355857	306.876592	2624.82265	3788.73416	752.441882	7472.87528	47.5957595	395.415421	574.000591	116.228705	1133.24048	1.33873816	11.1953968	16.0755678	3.21532835	31.8250311	NonEnzymeReg
2.59892023	19.0812079	19.9240449	6.71767784	48.3218514	417.419263	3017.64889	3102.72218	1032.03197	7569.8223	60.4955825	443.317666	460.756864	154.696011	1119.26612	1.70190782	12.608409	13.0333306	4.32616082	31.6698083	NonEnzymeReg
2.44143523	12.7454095	26.4787021	8.42776519	50.0933102	369.364246	1983.92709	4153.34641	1294.85662	7801.49437	56.2744539	295.394235	614.024804	194.630115	1160.32361	1.61047171	8.46952705	17.4715021	5.51333114	33.0648324	NonEnzymeReg
1.83347209	8.0009491	26.1200257	13.3380268	49.2924737	277.123459	1221.38857	3998.29929	2030.24144	7527.05276	42.2647959	184.44795	601.179655	306.591055	1134.48346	1.22922602	5.25978697	16.8907026	8.54392219	31.9236378	NonEnzymeReg
3.59627188	23.2300986	18.9131139	3.92554096	49.6650253	584.514765	3688.08169	2884.55355	581.756538	7738.90654	84.4536148	540.630963	435.257764	89.74494 34	1150.08729	2.47223957	15.4990612	12.1947085	2.49601947	32.6620288	NonEnzymeReg
10.1200998	16.9286469	16.2792431	5.08375556	48.4117454	1405.92372	2364.97855	2338.32242	724.474028	6833.69872	228.514209	382.503884	370.091293	115.141806	1096.25115	6.39745225	10.7549608	10.4693262	3.24523851	30.8669777	NonEnzymeReg
1.94514417	11.2105268	29.3309981	7.18533422	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.31524579	18.9053222	4.60031207	32.1118516	NonEnzymeReg
2.31861407	16.7090222	21.3273132	7.34171564	47.6966651	382.371846	2560.90355	3234.05364	1093.47742	7270.80645	54.5945021	385.532598	490.701515	168.295367	1099.12398	1.58615608	10.9339987	13.8333585	4.72503837	31.0785517	NonEnzymeReg
2.1834099	15.4120915	23.6302927	5.80072584	47.0265199	349.999642	2409.78032	3628.92776	885.180322	7273.88805	51.1049468	357.326955	544.720422	133.607415	1086.75974	1.48924739	10.2118655	15.335229	3.72427536	30.7606172	NonEnzymeReg
3.12937527	31.8082281	12.7510613	1.26262486	48.9512895	496.721044	4950.55684	1958.17018	194.826761	7600.27482	72.8403701	736.039749	294.346236	29.2084661	1132.43482	2.09268051	20.7803335	8.26927146	0.79900267	31.9412882	NonEnzymeReg
3.49822489	27.6655971	14.0425814	2.95569076	48.1620941	563.656115	4427.05163	2160.21468	443.848395	7594.77083	81.5879724	643.861084	323.052154	67.4834503	1115.98466	2.3252423	18.2922081	8.98581495	1.84458313	31.4478484	NonEnzymeReg
2.26778495	21.4281943	19.7040987	8.02632689	51.4264048	338.434882	3357.20693	3097.89687	1245.93137	8039.47005	52.146221	496.37543	455.457089	184.611289	1188.59003	1.49646534	14.1337697	12.6541941	5.0580788	33.342508	NonEnzymeReg
2.17588822	11.4859722	21.7570407	11.6335699	47.052471	345.168764	1810.71032	3324.62006	1757.29386	7237.793	50.6118688	267.024379	501.955109	267.203353	1086.79471	1.44611533	7.64023532	14.1583203	7.47970283	30.7243738	NonEnzymeReg
1.95387325	12.520286	24.1250522	10.812339	49.4115505	299.156078	1923.95438	3666.2541	1607.55868	7496.92324	45.0237918	288.714625	555.015508	247.690331	1136.44426	1.28441689	8.21910933	15.702691	7.00783371	32.214051	NonEnzymeReg
3.03784052	17.2357053	24.2617275	3.85721579	48.3924891	448.984311	2570.12196	3671.24419	569.220783	7259.57125	69.6956429	395.587231	558.108195	88.0863957	1111.47747	1.99427107	11.270864	15.8012089	2.43701592	31.5033599	NonEnzymeReg
5.47561983	26.6368633	12.1735913	4.22049459	48.506569	783.782402	3967.215	1879.85661	685.248119	7316.10213	124.154803	608.283047	280.099857	97.9610837	1110.49879	3.46379125	16.9504919	7.8200574 6	2.70986273	30.9442033	NonEnzymeReg
2.39184818	14.2658153	23.2602588	6.96933675	46.8872589	369.18496	2234.67389	3592.00085	1023.60811	7219.4678	55.3344941	330.926404	536.96568	159.009431	1082.23601	1.57566375	9.40586275	15.1576948	4.42354417	30.5627655	NonEnzymeReg

1.32300227	8.24921756	25.1310773	13.8244876	48.5277847	218.059238	1344.04611	3917.49455	2131.0495	7610.64939	31.0380746	193.353071	582.074268	318.601831	1125.06725	0.8946766	5.56415073	16.414341	8.86102158	31.7341899	NonEnzymeReg
1.91754677	12.82833 85	23.514591	9.82587808	48.0863543	284.71924	1943.78247	3525.26071	1454.54529	7208.3077	43.9286631	295.591816	540.680648	225.076058	1105.27719	1.2180405	8.31957307	15.231843	6.27457653	31.0440337	NonEnzymeReg
2.30573735	17.02026 52	22.728145 7	7.07447537	49.1286235	360.181093	2624.71112	3467.96346	1028.87657	7481.73224	53.4520407	392.933062	523.109347	161.06645	1130.5609	1.5232571	11.14529 51	14.711466 5	4.47310766	31.8531263	NonEnzymeReg
0.71083271	11.86862 43	27.171907 1	7.40808442	47.1594485	105.572061	1750.38641	3981.8879	1085.72213	6923.56851	16.2936632	271.571896	620.581378	169.343499	1077.79044	0.4655784	7.69942258	17.370645 4	4.70959897	30.2452453	NonEnzymeReg
0.26385736	17.37293 64	28.413101 8	3.68664086	49.7365364	40.5877704	2629.19972	4309.61624	545.48158 7	7524.88531	6.1074063 5	400.017071	654.147137	84.4232829	1144.6949	0.1734863 6	11.39016 85	18.525414 7	2.35272794	32.4417975	NonEnzymeReg
6.24889756	28.24520 78	9.5062520 9	2.49269944	46.4930569	889.38738 4	4147.72878	1423.0046	390.50984 1	6850.6306	142.19101 5	646.103689	218.260342	57.96814 96	1064.5232	3.9991813 9	18.17509 65	6.048758 39	1.67583123	29.8988675	NonEnzymeReg
0.79877852	19.17407 98	16.525338 2	13.55665 25	50.054849	114.335859	2809.96718	2466.51346	1999.54471	7390.36121	18.268113	436.698526	377.297858	308.897396	1141.16189	0.5058259 6	11.95458 77	10.302195 3	8.45474862	31.2173576	NonEnzymeReg
2.62601668	22.64076 52	18.622583 8	2.14435838	46.033724	373.304164	3285.51072	2674.77929	302.51970 5	6636.11388	59.835221	516.45227 87	423.373669	48.437928	1048.09911	1.6912132 3	14.42660 23	11.664446 86	1.33244671	29.1147109	NonEnzymeReg
1.33981264	16.03585 02	29.858351 4	1.85367592	49.0876901	221.603034	2575.73422	4755.73514	310.61523 7	7863.68764	31.4868496	373.801487	694.585987	43.574108 5	1143.44843	0.9035917 7	10.69609 24	19.712286 6	1.21105522	32.523026	NonEnzymeReg
1.82751856	7.28283989	28.954116 8	9.53817038	47.6026457	274.100966	1079.04159	4260.46116	1435.75006	7049.35377	42.047229	167.003137	662.080874	219.082737	1090.21398	1.2219224	4.77360408	18.685324 6	6.14253008	30.8233812	NonEnzymeReg
1.97982856	21.51462 75	22.008523 6	2.89163025	48.3946099	311.692506	3287.14594	3314.33491	418.82757 3	7332.00093	46.1081976	496.334901	505.368743	65.679982 5	1113.49182	1.3371447	14.06332 78	14.143446	1.80365282	31.3475699	NonEnzymeReg
1.30102803	18.77382 35	22.365150 3	6.03100477	48.471006 7	195.553804	2861.03737	3413.3214	905.01286	7374.92544	29.9108826	432.429613	515.627719	138.21185 5	1116.18007	0.8593367 2	12.23575 53	14.583263 1	3.83683753	31.5151926	NonEnzymeReg
1.81028468	18.83728 45	26.324605 2	2.49469833	49.4668726	310.309564	3070.38882	4132.15892	370.00257 5	7882.85988	42.8606679	440.521693	608.439057	56.881178 6	1148.7026	1.2434593	12.56666 6	17.015316 7	1.57261522	32.3980573	NonEnzymeReg
0	6.17822727	29.377886 5	10.94837 68	46.504490 6	0	948.38516 8	4375.34504	1575.36796	6899.09817	0	142.410616	674.150443	249.20999 8	1065.77106	0	4.03265 15	19.034669 5	6.99033435	30.0576554	NonEnzymeReg
2.54804221	12.10540 87	22.222210 2	8.77666935	45.6523304	376.076067	1765.99022	3279.23972	1286.0273	6707.3333	58.1185372	276.16346	507.270 39	200.02902 1	1041.58141	1.6297748 9	7.70742338	14.003293 2	5.49926131	28.8397528	NonEnzymeReg
9.94196832	13.52389 4	13.368768	7.28386509	44.1184954	1460.41056	1941.09859	1885.73186	1014.78635	6302.02735	227.156406	307.111158	302.166 71	164.160808	1000.59508	6.3441472 1	8.48808462	8.292954 66	4.47590173	27.6010882	NonEnzymeReg
5.16016593	23.26432 81	15.994674 8	2.67627449	47.0954433	772.891367	3533.39029	2453.60663	410.46773	7170.35605	118.48321	534.709293	367.706012	61.631415	1082.52992	3.3226727	15.03326 43	10.226723 9	1.7245104	30.3071713	NonEnzymeReg
3.12921831	19.33223 11	19.881809 5	6.18244129	48.6172874	503.362203	3004.24889	2998.24581	932.10620 5	7451.91713	73.018458 4	447.697795	457.405332	142.10487 6	1122.32951	2.0875833 2	12.73708 16	12.874215 2	3.97731421	31.734454	NonEnzymeReg
1.64064443	17.09160 54	23.862115	6.90555826	49.4999231	268.187364	2707.20924	3673.81312	1061.49975	7710.70947	38.380455	396.718932	550.767 62	159.25627 2	1145.12328	1.1027970 9	11.29363 31	15.626389 1	4.48428394	32.5071032	NonEnzymeReg
3.59627178	23.23009 86	18.913113 9	3.92554096	49.6650253	584.514765	3688.08169	2884.55355	581.75653 8	7738.90654	84.453614 8	540.630963	435.257764	89.744943 4	1150.08729	2.4722395 7	15.49906 12	12.194708 5	2.49601947	32.6620288	NonEnzymeReg
2.54580612	17.74207 93	19.787096 7	6.90299107	46.9779732	392.097386	2672.70972	2977.34409	1089.73137	7131.88256	59.037207 2	408.072743	454.175186	160.550266	1081.8354	1.6984091	11.56181 78	12.658135 1	4.52340886	30.4417708	NonEnzymeReg
1.31414211	7.01019931	23.618703 2	13.07407 65	45.0171211	212.718162	1098.3939	3602.81178	1872.50031	6786.42414	30.647702 9	162.80875 9	545.757822	297.386822	1036.60111	0.8749026 2	4.67851775	15.576102 8	8.30773036	29.4372535	NonEnzymeReg
2.48982917	16.20449 25	24.615908 4	5.16494878	48.4751788	376.630524	2497.54117	3749.9453	800.92118 2	7425.03817	57.356668 2	374.602081	567.3556 2	119.446966	1118.76134	1.6275695 9	10.65687 54	16.060748 3	3.38970568	31.7348991	NonEnzymeReg
2.30679166	18.41236 13	22.577958 2	5.74667037	49.0437815	342.663837	2709.60948	3341.72568	828.68719 4	7222.68619	52.761026 4	420.382755	516.012472	130.690966	1119.84722	1.5012496	11.89977 49	14.423435 7	3.61769336	31.4421536	NonEnzymeReg
2.96793351	19.11234 74	22.975383 9	4.96593165	50.021596 5	454.322386	2921.70541	3591.58069	798.04872 2	7765.65721	68.444128 3	439.842902	530.320551	115.391129	1153.99871	1.9493759 7	12.44340 21	14.770749	3.23046998	32.393996	NonEnzymeReg
2.98704388	15.24471 21	20.368074 6	10.42531 8	49.0251486	461.236851	2365.44359	3122.24242	1597.47481	7546.39767	68.911379 2	352.575409	469.732 51	240.43949 8	1131.6588	1.9329654 7	10.00760 95	13.293203	6.73625141	31.9700294	NonEnzymeReg
1.27336887	9.76623962	27.836802 5	9.68546417	48.5618752	193.207273	1521.19815	4321.16744	1487.60267	7523.17554	29.326632 5	226.294934	643.647 95	223.087184	1122.3567	0.8241511 5	6.43696334	18.210428 1	6.23094705	31.7024901	NonEnzymeReg
3.17164493	17.86966 08	20.837354 7	3.76601728	45.6446777	472.304698	2687.6554	3149.98782	558.91568 1	6868.8636	72.81286	410.40314	478.943197	86.153105 1	1048.3123	2.0813017 8	11.57777 04	13.472309 5	2.40978348	29.5411652	NonEnzymeReg
1.77603884	12.44679 05	27.877027 6	6.95721352	49.0570704	270.000482	1959.28782	4417.12441	1124.47693	7770.88965	40.795952 8	288.341828	646.505 65	162.342941	1137.98637	1.1511134 9	8.18229135	18.259378 5	4.58734664	32.18013	NonEnzymeReg
1.13821734	10.04472 47	24.882113	12.06612 96	48.1311846	186.125684	1574.22842	3806.69713	1809.7763	7376.82754	26.683946 4	232.930395	573.534525	276.375009	1109.52388	0.7810593 8	6.65601 52	16.152879 9	7.66410499	31.2540595	NonEnzymeReg
3.24463898	13.84516 72	26.444786 2	4.84946944	48.3840618	525.627616	2165.54888	4140.77578	749.83991 9	7581.79219	76.428397 9	321.829243	612.735285	111.782476	1122.7754	2.2307179 4	9.20709985	17.255548 5	3.11011213	31.8034784	NonEnzymeReg

8.730105 26	23.78868 2	12.78564 21	3.255174 79	48.55960 42	1315.065 6	3635.157 51	1916.863 21	487.1144 69	7354.200 79	200.2756 59	547.5958 84	293.1090 4	74.15101 24	1115.131 6	5.662484 91	15.43217 38	8.279694 87	2.022775 83	31.39712 94	NonEnzyme Reg
6.384472 7	20.26685 86	18.41360 96	3.808786 54	48.87372 75	973.6336	3080.384 48	2831.576 93	583.7859 1	7469.380 91	146.7036 41	465.5197 9	424.3374 77	87.73482 52	1124.295 73	4.108537 8	13.10358 39	11.95665 19	2.455390 43	31.62416 41	NonEnzyme Reg
1.778667 32	12.89541 95	23.63507 86	8.136292 36	46.44545 77	261.9580 42	1937.945 45	3518.163 35	1205.172 58	6923.239 42	40.66154 67	296.8363 28	541.6959 24	186.1437 45	1065.337 54	1.142309 29	8.452765 56	15.23689 89	5.193261 78	30.02523 56	NonEnzyme Reg
2.481824 26	17.99807 88	23.00088 97	3.638419 3	47.11921 21	368.9382 38	2690.730 49	3433.726 13	550.6952 73	7044.090 12	56.92599 81	412.4757 17	527.2629 77	83.49383 34	1080.158 53	1.610619 71	11.61002 27	14.75143 93	2.313657 86	30.28573 95	NonEnzyme Reg
2.201013 96	13.86289 27	25.58875 21	7.016994 65	48.66965 33	336.6413 45	2115.409 16	3934.885 78	1084.934 36	7471.870 65	50.84481 11	319.5044 27	590.2801	161.7295 01	1122.358 84	1.478334 59	9.068609 13	16.65765 95	4.475295 29	31.67989 85	NonEnzyme Reg
2.490532 67	15.65705 29	24.73352 67	7.311132 98	50.19224 53	381.6587 36	2425.490 9	3820.306 35	1132.874 01	7760.329 99	57.33553 24	362.3220 88	572.7346 7	169.7837 94	1162.176 09	1.637547 02	10.29508 54	16.26653 92	4.821563 18	33.02073 48	NonEnzyme Reg
1.782404 98	10.44618 19	23.54558 72	12.29250 72	48.06668 12	275.1366 42	1648.001 21	3580.415 02	1860.969 77	7364.522 64	41.10636 2	242.1918 18	540.6972 43	282.0827 13	1106.078 14	1.166657 25	6.913475 66	15.21705 06	7.907827 36	31.20501 09	NonEnzyme Reg
4.735403 35	28.45993 25	10.70701 71	1.920833 15	45.82318 61	699.9622 5	4278.296 49	1648.332 21	338.2157 7	6964.806 72	108.1253 52	652.4340 75	246.2379 64	45.48219 59	1052.279 59	3.043230 15	18.27368 9	6.784344 71	1.235581 47	29.33684 53	NonEnzyme Reg
0	10.37214 58	22.90076 13	15.60676 62	48.87967 34	0	1550.362 59	3447.845 43	2343.563 15	7341.771 16	0	238.1699 19	526.6847 79	359.1507 57	1124.005 46	0	6.778671 96	14.90136 33	10.16243 51	31.84247 03	NonEnzyme Reg
2.451733 38	17.68715 02	23.38915 9	5.123017 96	48.65106 05	355.8303 99	2742.572 85	3664.726 47	831.1230 89	7594.252 81	56.13922 81	408.5352 2	541.0170 84	119.0431 43	1124.734 68	1.580087 53	11.49473 49	15.15161 53	3.332572 76	31.55901 05	NonEnzyme Reg
5.938768 56	25.47943 49	14.69354 35	2.059851 35	48.17159 83	925.8911 46	3943.848 46	2235.131 05	313.2094 3	7418.080 09	137.6714 47	588.7865 62	338.1480 79	47.50207 5	1112.108 16	3.930810 39	16.62313 36	9.484316 78	1.326936 25	31.36519 7	NonEnzyme Reg
1.564715 85	9.110172 15	23.84743 98	10.58617 05	45.10849 83	253.0538 48	1404.481 63	3524.332 99	1548.994 2	6730.862 67	36.38805 05	209.7392	544.0712 78	240.9325 29	1031.131 06	1.026312 11	5.844016 3	14.99940 26	6.580448 13	28.45017 92	NonEnzyme Reg
0.400719 43	12.87734 9	25.68151 86	9.781599 95	48.74118 7	68.47440 9	2061.380 08	3991.404 02	1502.299 65	7623.558 15	9.407076 19	299.1698 51	592.4708 83	224.5843 84	1125.632 19	0.258633 73	8.417538 35	16.58613 34	6.136212 67	31.39851 82	NonEnzyme Reg
1.392141 42	20.54884 31	22.89250 39	6.702950 24	51.53643 87	200.6107 36	3015.572 61	3425.880 01	1000.596 32	7642.659 67	31.72055	469.4930 22	524.9392 38	153.1745 07	1179.327 32	0.906034 36	13.28792 47	14.79374 83	4.231294 65	33.21900 21	NonEnzyme Reg
0.951910 81	18.12657 1	18.20603 5	10.88863 59	48.17315 27	145.5987 08	2722.843 65	2703.960 94	1616.002 13	7188.405 42	21.98786 56	416.2847 91	416.6651 75	248.8899 15	1103.827 75	0.636954 51	11.87234 62	11.74263 42	6.871607 45	31.12354 23	NonEnzyme Reg
2.950490 88	19.04394 57	21.35086 97	4.237537 48	47.58284 38	450.8123 78	2943.615 78	3271.729 8	651.5274 38	7317.685 39	68.42750 43	440.7475 67	492.1566 59	97.38874 44	1098.720 47	1.974923 33	12.52711 71	13.85197 44	2.679944 09	31.03395 89	NonEnzyme Reg
3.115333 43	11.98367 63	11.99979 02	17.08387 11	44.18267 1	445.6357 33	1753.624 89	1852.147 42	2577.559 22	6628.967 26	70.83657 47	273.5119 33	277.1863 36	392.0589 8	1013.593 82	2.037131 84	7.809497 3	7.874680 73	11.03513 62	28.75644 61	NonEnzyme Reg
2.097676 93	13.46068 11	26.25724 59	3.980943 84	45.79654 78	320.5676 91	2068.934 34	4036.414 79	643.0780 29	7068.994 85	48.32771 74	311.0877 14	606.9970 27	93.29571 81	1059.708 18	1.360073 3	8.814813 27	17.13831 45	2.684088 97	29.99729	NonEnzyme Reg
4.360185 94	26.41871 94	14.40713 27	1.955485 91	47.14152 39	627.1841 86	3865.439 06	2148.976 47	287.2116 63	6928.811 38	99.39186 01	603.5795 85	330.2945 28	44.74985 17	1078.015 83	2.820724 19	17.04580 1	9.296761 53	1.256812 33	30.42009 9	NonEnzyme Reg
2.045512 96	17.18434 68	22.41896 34	8.358573 78	50.00739 7	322.8709 53	2675.696	3392.125 94	1231.581 14	7622.274 04	47.56407 09	398.1085 89	515.8341 01	191.0746 64	1152.581 43	1.362406 76	11.34119 02	14.60390 97	5.341123 64	32.64863 02	NonEnzyme Reg
3.492597 07	17.30294 03	19.87592 95	7.473165 1	48.14463 2	536.5319 56	2614.052 87	2939.462 46	1102.611 44	7192.658 73	80.82576 21	398.4718 41	455.3917 26	170.8241 27	1105.513 46	2.351843 41	11.38973 75	12.79712 15	4.783491 62	31.32219 4	NonEnzyme Reg
2.141018 65	13.87010 04	22.31969 18	9.235232 71	47.56604 35	322.6471 96	2075.371 59	3267.753 1	1336.896 33	7002.668 21	49.33324 43	319.1235 57	510.6532 4	210.6403 83	1089.750 42	1.413730 88	9.101709 96	14.46181 04	5.939100 43	30.91635 17	NonEnzyme Reg
1.404755 94	13.92801 55	17.23692 99	17.09762 15	49.66732 28	215.9641 01	2121.774 83	2650.058 91	2608.581 85	7596.379 68	32.30173 63	319.9991 5	397.2750 85	393.8585 95	1143.434 57	0.900674 96	8.953624 05	11.24890 9	11.19983 36	32.30304 16	NonEnzyme Reg
3.280353 67	18.66309 08	20.14644 01	7.389046 91	49.47893 14	495.4153 96	2834.045 33	3105.162 16	1146.262 64	7580.885 52	75.59229 87	429.4611 48	464.2683 62	170.5902 31	1139.912 04	2.186071 8	12.10621 05	12.99933 99	4.738152 46	32.02977 47	NonEnzyme Reg
1.703021 03	13.76157 77	23.17478 7	10.44688 76	49.08627 34	274.0908 19	2126.588 7	3543.570 86	1567.128 95	7511.379 32	39.76757 71	318.1579 37	533.8496 67	239.6274 18	1131.402 6	1.140917 03	9.084779 76	15.11177 8	6.729490 53	32.06696 53	NonEnzyme Reg
3.583766 22	18.45666 52	18.75416 73	10.01092 25	50.80552 13	568.9249 87	2907.595 13	2847.218 11	1531.664 78	7855.403 01	83.56080 33	428.9349 95	431.8164 65	231.0498 27	1175.362 09	2.421936 31	12.33726 89	12.28304 67	6.619134 56	33.66138 64	NonEnzyme Reg
2.426823 47	7.694337 13	22.91706 54	15.14967 91	48.18790 5	352.3088 16	1131.310 04	3269.627 44	2122.486 64	6875.732 93	55.57780 05	176.2602 01	521.3722 66	343.0468 44	1096.257 11	1.599427 59	5.023544 23	14.65916 7	9.440104 05	30.72224 28	NonEnzyme Reg
2.197217 85	32.41769 63	12.30608 17	1.667684 45	48.58868 03	326.8209 19	4838.755 23	1849.437 65	246.2404 26	7261.254 23	50.20760 13	743.2900 07	282.9636 28	38.38579 22	1114.847 03	1.410054 51	20.96707 31	7.937102 79	1.031744 24	31.34597 46	NonEnzyme Reg
1.778667 32	12.89541 95	23.63507 86	8.136292 36	46.44545 77	261.9580 42	1937.945 45	3518.163 35	1205.172 58	6923.239 42	40.66154 67	296.8363 28	541.6959 24	186.1437 45	1065.337 54	1.142309 29	8.452765 56	15.23689 89	5.193261 78	30.02523 56	NonEnzyme Reg
2.888153 3	22.49989 29	19.10344 33	4.003987 52	48.49547 7	435.9336 3	3374.123 26	2867.959	587.0697 7	7265.085 66	66.29980 87	514.9577 48	437.0919 04	91.19400 94	1109.543 47	1.888874 46	14.41085 19	12.07822 1	2.472707 12	30.85065 45	NonEnzyme Reg
4.899990 52	20.05484 5	20.43854 8	2.081615 21	48.14204 31	754.4291 83	3112.559 15	3153.712 14	302.8087 87	7417.854 61	112.7523 8	463.0927 56	470.6763 37	47.19310 27	1108.742 16	3.174421 77	13.03254 12	13.06696 15	1.265794	30.94025 38	NonEnzyme Reg

2.15753517	19.0115727	12.2539176	11.8086243	45.2316499	334.603819	2993.47265	1934.43057	1874.86026	7137.3673	50.5743944	444.271584	285.704871	275.245311	1055.79616	1.41904454	12.4632208	8.08095928	7.84785513	29.8110798	NonEnzyme Reg
3.81416171	24.6597892	17.7064397	2.03863649	48.2190271	549.665316	3746.78238	2710.48083	295.260647	7302.18918	86.8060467	566.709257	406.999588	46.2366576	1106.75155	2.45777629	15.9194229	11.2985334	1.25488016	30.9306128	NonEnzyme Reg
2.14101865	13.8701004	22.3196918	9.23523271	47.5660435	322.647196	2075.37159	3267.7531	1336.89633	7002.66821	49.3332443	319.123557	510.65324	210.640383	1089.75042	1.41373088	9.10170996	14.4618104	5.93910043	30.9163517	NonEnzyme Reg
1.52454496	9.47399689	20.5908709	14.3639439	45.9533566	225.596841	1432.47715	3086.87097	2118.91137	6863.85633	34.92972	218.355448	473.138623	328.338581	1054.76237	0.98883104	6.21561263	13.3553296	9.166773	29.7265463	NonEnzyme Reg
1.73957671	7.83295028	26.0155145	11.6623655	47.250407	251.046733	1150.83027	3908.3214	1786.22691	7096.42532	39.5545684	178.67478	595.981949	268.017344	1082.22864	1.12005223	5.02952609	16.7079314	7.43762782	30.2951376	NonEnzyme Reg
0.7400058	14.6675158	26.5402179	5.07811972	47.0258602	102.593546	2042.4479	3746.59983	721.201252	6612.84253	16.8314347	333.621081	603.553632	115.605923	1069.61207	0.48093413	9.44228628	16.9710256	3.22324513	30.1174917	NonEnzyme Reg
0.84881158	14.0159561	21.4042518	11.3881017	47.6571213	129.13295	2115.45474	3229.46535	1700.42036	7174.47341	19.5807388	322.223359	492.119745	260.793899	1094.71774	0.56304309	9.16661537	13.9623159	7.28591496	30.9778893	NonEnzyme Reg
1.97903731	14.7723709	22.927402	6.88654561	46.5653558	319.429943	2256.19188	3477.73191	1037.62062	7090.97435	46.2290802	340.269124	526.593798	157.513486	1070.60549	1.32697804	9.58318849	14.7592338	4.31937975	29.9887801	NonEnzyme Reg
4.91542773	20.980102	18.2665619	6.20557387	50.3676656	705.078004	3039.78624	2657.84435	926.882512	7329.5911	111.735044	478.092068	416.212076	142.11339	1148.15258	3.13931074	13.3434839	11.4614856	3.87565401	31.8199343	NonEnzyme Reg
2.18908533	17.2810964	23.2800621	6.22874987	48.9789936	332.45643	2626.57077	3597.01284	956.415643	7512.45568	50.4803257	397.766465	537.507511	143.491575	1129.24588	1.44178094	11.2561601	15.2134992	4.04802289	31.9594632	NonEnzyme Reg
0.6175833	5.90123867	24.8871721	14.7199079	46.1259019	92.0925366	911.54551	3775.51349	2207.30335	6986.45489	14.2707532	136.402426	573.419969	337.409749	1061.5029	0.39117623	3.78183389	15.9253265	9.29022195	29.3885585	NonEnzyme Reg
8.95476032	12.1163774	18.4392528	9.43559747	48.945988	1289.78454	1819.67787	2973.63283	1566.36554	7649.46078	204.150016	278.459563	429.950863	221.586773	1134.14722	5.68905545	7.69534174	12.142285	6.37320888	31.8998919	NonEnzyme Reg
3.78668899	24.3549859	12.0260356	5.64799485	45.8157083	606.379778	3755.1076	1795.4978	781.123279	6938.10845	88.3227889	563.055323	275.431168	128.116882	1054.92616	2.54558437	15.9640696	7.65995938	3.54080179	29.7104151	NonEnzyme Reg
1.77524447	13.847221	24.0024001	9.04835539	48.6732209	286.129259	2194.70553	3761.46092	1353.41349	7595.70919	41.4546915	322.189951	557.046463	207.538314	1128.22942	1.19964237	9.26826802	15.9303271	5.8595	32.2577375	NonEnzyme Reg
1.23884902	30.4220899	11.2533769	3.13062781	46.0449437	185.356485	4626.9885	1705.17173	494.209083	7011.7258	28.4782523	700.721782	258.556901	72.3784314	1060.13537	0.82458482	19.8704479	7.18136135	2.00434136	29.8807354	NonEnzyme Reg
1.88736449	12.279832	25.071745	11.4843631	50.7233045	298.625159	1913.80336	3876.47037	1737.2559	7826.15478	43.7948505	284.108079	578.519784	263.433063	1169.85578	1.23620894	8.08249351	16.3722491	7.34904041	33.039992	NonEnzyme Reg
3.23663208	15.5974336	20.5554049	9.01075048	48.4002211	531.417982	2487.01631	3132.94459	1371.26859	7522.64747	75.9858872	364.87481	474.977033	207.543495	1123.38123	2.19488799	10.399136	13.3489717	5.79992479	31.7429213	NonEnzyme Reg
3.77371026	19.8016176	22.3241501	3.06985204	48.9693304	584.179662	3034.0665	3373.76854	445.516121	7437.53082	87.1057659	456.893058	512.066863	69.7438096	1125.8095	2.47256014	12.8855931	14.2941036	1.91717201	31.5694289	NonEnzyme Reg
1.32630424	11.9086192	21.7935832	12.1519832	47.1804899	194.362854	1788.7112	3230.1375	1771.12092	6984.33247	30.2459757	273.625452	499.683482	277.299246	1080.85416	0.83823809	7.72310156	14.1684862	7.78155692	30.5113827	NonEnzyme Reg
7.88222843	26.1391536	10.751833	1.47131934	46.2445344	1209.05823	3961.89887	1622.81996	203.063337	6996.8404	182.103719	601.648091	246.746403	33.1194725	1063.61769	5.26051737	17.1791878	6.92968857	0.89821792	30.2676117	NonEnzyme Reg
0	5.94685328	23.8505755	20.2789884	50.0764172	0	896.000143	3603.99414	3061.53887	7561.53315	0	136.615512	548.248788	465.870552	1150.73485	0	3.85385809	15.3709863	12.9845273	32.2093717	NonEnzyme Reg
2.77474578	14.5769447	26.9030991	4.22144131	48.4762309	442.81619	2236.77794	4079.06867	610.771306	7369.4341	64.6287503	337.172105	619.855607	96.6853579	1118.34182	1.85833784	9.67707502	17.5452542	2.73719352	31.8178606	NonEnzyme Reg
3.32398906	18.1870892	20.2082084	6.02078988	47.7400765	490.648804	2713.78093	3013.14841	901.93935	7119.51749	76.0537913	416.063913	462.660751	137.95212	1092.73058	2.17524479	11.6682717	12.9542978	3.86790294	30.6657172	NonEnzyme Reg
3.27057453	17.611848	27.9411025	1.59570063	50.4192257	524.494024	2806.32166	4412.93489	256.390792	8000.14137	76.4939376	410.149	647.670748	36.9187177	1171.2324	2.21510845	11.7864558	18.2572659	1.00873161	33.2675617	NonEnzyme Reg
0.37753877	19.0786059	22.1245897	5.9939759	47.574702	56.8562678	2916.68891	3356.82756	941.996577	7272.36932	8.72126581	441.076055	509.090661	139.255901	1098.14388	0.24558919	12.5149182	14.1952882	3.91351733	30.8693129	NonEnzyme Reg
2.57056061	22.6184267	19.91627	3.72984929	48.8351065	402.787644	3572.43458	3171.09167	583.223005	7729.5369	59.5359734	525.114076	463.080088	86.3313027	1134.06144	1.70141065	14.9563346	13.0980229	2.40512861	32.1608967	NonEnzyme Reg
1.41911203	10.7937701	22.8278411	8.97650224	44.0172255	224.662681	1692.02707	3477.72092	1332.07151	6726.48217	33.0606807	249.635664	525.275312	205.596202	1013.56786	0.91670208	6.84392851	14.3025044	5.54778371	27.6109187	NonEnzyme Reg
1.267417	10.6590973	26.5551504	8.89327183	47.6466228	186.282665	1605.47753	4049.70393	1389.74866	7275.37441	28.9301006	244.60355	611.122901	205.767846	1096.77459	0.81518386	6.85807722	17.0937854	5.77043139	30.7194525	NonEnzyme Reg
0.93714297	10.3873649	27.8321461	9.81278187	48.9694358	154.60813	1681.2423	4428.66307	1526.68547	7791.19897	22.0515795	242.722814	645.672136	226.477962	1136.92449	0.64588947	6.98998017	18.16159	6.28732724	32.0847949	NonEnzyme Reg
2.02063008	15.2830214	22.0830314	8.67602282	48.0627057	303.905	2312.43822	3388.93156	1324.33981	7329.61459	46.4341833	350.549644	508.049423	199.684647	1104.7179	1.31158098	9.80324925	14.0906157	5.52366312	30.7291091	NonEnzyme Reg
1.37705332	9.80635236	23.1192041	13.8556002	48.1582098	201.654024	1506.80044	3664.2183	2189.20767	7561.88043	31.4980054	226.459153	537.215571	321.605446	1116.77818	0.89719648	6.44211119	15.2718405	9.09112449	31.7022734	NonEnzyme Reg

1.98724882	10.6151707	26.1484504	9.10085241	47.8517223	306.416006	1637.33789	3971.29332	1394.44315	7309.49037	45.7604418	244.755967	601.197394	209.67636	1101.39016	1.29723218	6.93857087	16.9188767	5.91402144	31.0687012	NonEnzymeReg
3.48232655	20.748924	21.2821714	3.94740617	49.4608281	514.90402	3151.36139	3279.70529	620.091094	7566.06197	79.8119758	477.606707	491.141642	91.466002	1140.02633	2.30295561	13.47982	13.7585109	2.60525387	32.1465418	NonEnzymeReg
4.16598434	23.6325527	15.2281862	4.96020066	47.9869239	666.795749	3640.52358	2282.88203	724.823018	7315.02438	97.226657	544.607142	348.660019	113.104152	1103.59797	2.81423617	15.2914147	9.65350195	3.11240956	30.8715624	NonEnzymeReg
1.3354532	12.9402658	24.0535932	10.6038268	48.933139	210.218159	2012.9902	3665.02147	1592.48776	7480.71759	31.0590387	300.134654	554.520555	243.274669	1128.98892	0.88724171	8.5593459	15.6683372	6.80926123	31.9241861	NonEnzymeReg
2.95049088	19.0439457	21.3508697	4.23753748	47.5828438	450.812378	2943.61578	3271.7298	651.527438	7317.68539	68.4275043	440.747567	492.156659	97.3887444	1098.72047	1.97492333	12.5271171	13.8519744	2.67994409	31.0339589	NonEnzymeReg
3.27051562	17.8291173	21.5854603	4.52298336	47.2080765	488.127697	2699.88393	3230.70786	669.172563	7087.89205	74.8943961	409.168573	493.883633	103.286543	1081.23314	2.12053355	11.4480508	13.6799825	2.81990242	30.0684693	NonEnzymeReg
6.38447227	20.2668586	18.4136096	3.80878654	48.8737275	973.6336	3080.38448	2831.57693	583.78591	7469.38091	146.703641	465.51979	424.337477	87.7348252	1124.29573	4.10853778	13.1035839	11.9566519	2.45539043	31.6241641	NonEnzymeReg
1.94514417	11.2105268	29.3309981	7.18533422	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.3152479	18.9053222	4.60031207	32.1118516	NonEnzymeReg
2.92343163	20.2512678	20.2605852	3.91262474	47.3479093	466.380724	3167.8712	3138.66593	583.299468	7356.21733	67.8926466	468.890641	467.767769	89.5197209	1094.07078	1.91806511	13.3337934	13.2087815	2.49595283	30.9565928	NonEnzymeReg
2.42682347	7.69433713	22.9170654	15.1496791	48.187905	352.308816	1131.31004	3269.62744	2122.48664	6875.73293	55.5778005	176.260201	521.372266	343.046844	1096.25711	1.59942759	5.0235442	14.659167	9.44010405	30.7222428	NonEnzymeReg
2.60306561	19.2840018	21.7623555	4.41205062	48.0614735	392.098848	2958.01121	3328.54207	678.10459	7356.75672	59.8803591	444.250921	500.409902	101.631594	1106.17278	1.70181035	12.5214876	14.0071083	2.84146837	31.0718747	NonEnzymeReg
11.705847	17.0820378	15.550343	5.46834761	49.8065753	1845.09817	2487.65447	2224.15878	749.789184	7306.7006	271.461401	389.772597	353.140284	123.76213	1138.13659	7.72239256	10.9865758	9.70429352	3.39345503	31.8067169	NonEnzymeReg
2.44273951	15.9800645	20.324264	8.16848132	46.9155492	364.844911	2449.12938	3107.94892	1254.22073	7176.14394	56.0042851	368.088716	468.095491	188.395207	1080.5837	1.60854294	10.4365287	13.1739289	5.30582275	30.5248232	NonEnzymeReg
2.71747968	20.3403052	22.933034	3.49429061	49.6655885	438.496092	3274.19669	3619.50461	543.476695	7903.26019	63.5177523	474.772352	532.445065	80.7504741	1155.6307	1.82790152	13.5657515	15.1473016	2.29526807	32.9530439	NonEnzymeReg
1.89599807	14.7886592	19.5498647	9.22201145	45.4565334	277.553445	2200.68883	2942.15474	1352.28772	6772.68473	43.3218102	338.437501	448.666075	210.595259	1041.02065	1.22029573	9.4541457	12.6122392	5.89327873	29.1799582	NonEnzymeReg
1.70302103	13.7615777	23.174787	10.4468876	49.0862734	274.090819	2126.5887	3543.57086	1567.12895	7511.37932	39.7675771	318.157937	533.849667	239.627418	1131.4026	1.14091703	9.0847976	15.111778	6.72949053	32.0669653	NonEnzymeReg
1.81452023	14.2736419	26.3147377	7.26905424	49.6719541	273.883845	2204.19533	4074.61821	1082.79401	7635.49139	41.8594553	330.230778	608.353233	166.408021	1146.85149	1.18969731	9.4280233	17.3005452	4.65840683	32.5766726	NonEnzymeReg
4.51319027	13.1109514	16.6605368	13.5480281	47.8327065	710.230643	2033.50896	2458.4462	1956.93158	7159.11739	105.31695	303.647904	380.026957	307.45691	1096.44872	3.02258578	8.5525855	10.5246695	8.45954504	30.5593855	NonEnzymeReg
4.93455666	13.8238216	17.999496	10.6060724	47.3639466	721.730464	2031.411	2676.30125	1559.74333	6989.18602	113.099109	316.711872	413.488257	242.803752	1086.10299	3.21745322	8.9680749	11.7675792	6.86796673	30.8210747	NonEnzymeReg
3.71582507	24.9150033	16.6618943	3.61564232	48.908365	554.038866	3687.25944	2529.05657	560.475774	7330.83065	85.1728105	570.261805	384.180142	83.4701997	1123.08496	2.41111342	15.9106323	10.8397149	2.31456542	31.476026	NonEnzymeReg
1.83715712	9.75776428	24.8348359	10.9769457	47.406703	259.827346	1405.00511	3646.49869	1594.73354	6906.06468	41.616236	221.626043	566.234517	249.84131	1079.31811	1.17931541	6.2288147	15.7456107	6.92365413	30.0774617	NonEnzymeReg
2.85284821	17.8809892	20.5953007	6.36112505	47.6902632	429.885207	2701.26147	3142.2114	1002.8961	7276.25418	65.9879393	412.332409	474.590772	147.536714	1100.44784	1.89849142	11.7374824	13.352929	4.15093429	31.1398371	NonEnzymeReg
4.71683792	21.0382769	16.5806526	2.38765146	47.0513918	729.304413	3305.89867	2607.10904	391.949788	7408.49167	108.043896	485.607711	383.70143	55.5640018	1086.89614	2.90825642	13.4075024	10.701001	1.49587318	29.9510376	NonEnzymeReg
0.61024594	12.1705174	24.5638974	10.4699008	47.8145615	89.7677995	1801.02928	3611.4398	1518.45911	7020.69599	13.9894233	279.785726	563.551078	239.057322	1096.38355	0.40029749	8.0165518	16.0350009	6.71096703	31.1628176	NonEnzymeReg
2.08771557	11.8517813	22.7149381	10.6231172	47.2775521	295.344569	1717.85149	3343.10046	1568.09223	6924.38875	47.593799	270.287891	518.371753	242.627375	1078.88082	1.34194338	7.5923552	14.4657851	6.74772738	30.1478111	NonEnzymeReg
3.12452257	18.7024398	21.3097611	6.8168469	49.9535704	481.834078	2881.05307	3231.21439	1045.87522	7639.97676	72.2197652	432.128366	490.416401	157.205409	1151.96994	2.08363176	12.3400912	13.8603666	4.45084528	32.7349349	NonEnzymeReg
1.68909643	12.9255352	24.4563291	9.45552499	48.5264858	267.037674	2031.51493	3859.92091	1466.32822	7624.80173	39.1762087	299.432581	566.904948	218.295617	1123.80935	1.11697708	8.4789569	15.9160961	6.08149891	31.5935317	NonEnzymeReg
1.27336887	9.7662396	27.8368025	9.68546417	48.5618752	193.207273	1521.19815	4321.16744	1487.60267	7523.17554	29.3266325	226.294934	643.64795	223.087184	1122.3567	0.82415115	6.4369634	18.2104281	6.23094775	31.7024901	NonEnzymeReg
8.01981407	15.5680922	10.4396945	15.6207584	49.6483591	1184.45067	2295.75073	1571.99911	2323.71428	7375.91479	184.41005	357.307739	241.318571	359.816761	1142.85313	5.29182796	10.157269	6.8814331	10.1350721	32.465594	NonEnzymeReg
1.97106852	18.1674273	27.6419835	2.35293334	50.1334127	280.508011	2741.00081	4198.43886	391.829008	7611.77669	44.758561	418.102164	635.563805	54.8661001	1153.29063	1.27105315	11.837826	17.7932278	1.49328748	32.3953951	NonEnzymeReg
2.19721785	32.4176963	12.3060817	1.66768445	48.5886803	326.820919	4838.75523	1849.43765	246.240426	7261.25423	50.2076013	743.290007	282.963628	38.3857922	1114.84703	1.41005451	20.967073	7.9371027	1.03174424	31.3459746	NonEnzymeReg

1.91183606	12.5176669	26.0393913	7.69505568	48.16395	281.756004	1903.29895	3908.72953	1164.02313	7257.80762	43.8050448	288.753444	598.15062	176.951793	1107.6609	1.25358592	8.21762801	16.8283081	4.98574642	31.2852684	NonEnzymeReg
1.90643623	10.2183979	23.0574292	10.3850661	45.5673295	293.581272	1611.03664	3606.3938	1561.90199	7072.91371	43.9200042	236.814083	533.395937	237.820632	1051.95066	1.23648323	6.68689593	14.9482335	6.52019974	29.3918124	NonEnzymeReg
4.40334076	25.3593958	18.1480562	1.00093824	48.911731	686.680334	3966.24791	2760.182	159.642102	7572.75234	101.803724	586.645655	416.637941	23.2825774	1128.3699	2.90670435	16.6358668	11.6194418	0.64982022	31.8118332	NonEnzymeReg
1.41604345	10.9706504	26.7938412	8.36954166	47.5500766	228.936661	1751.69373	4240.01709	1309.38299	7530.03047	33.0707934	255.459125	622.648862	193.846277	1105.02506	0.94823611	7.28718347	17.655748	5.42464552	31.3158131	NonEnzymeReg
4.09367005	15.2701309	22.0693263	8.77885857	50.2119857	600.088984	2255.18453	3308.72318	1325.78707	7489.78376	93.6433193	349.473979	505.964972	201.165206	1150.24748	2.64731615	9.88642106	14.2462195	5.56991338	32.34987	NonEnzymeReg
1.80796432	14.7623564	23.4662897	7.67316531	47.7097757	292.895697	2362.22287	3611.70828	1153.5308	7420.35765	42.241341	343.915607	541.963725	176.183634	1104.30431	1.20940944	9.83097675	15.3448907	4.94100625	31.3262831	NonEnzymeReg
1.94514417	11.2105268	29.3309981	7.18533422	49.6720033	305.00553	1686.09345	4326.85824	1055.67746	7373.63469	45.1434561	257.799019	671.733945	164.829189	1139.50561	1.29097153	7.31524579	18.9053222	4.60031207	32.1118516	NonEnzymeReg
1.68537372	14.349586	26.0092079	8.24344883	50.2876165	258.568397	2260.65067	4002.61405	1267.68792	7789.52104	38.8182264	332.843957	600.355282	190.282387	1162.29985	1.09876398	9.41925745	16.9748703	5.34046406	32.8333558	NonEnzymeReg
4.57248568	26.4315402	15.0877169	1.22676209	47.4090743	696.430205	3968.07025	2333.64007	188.736823	7201.11084	105.30721	606.81017	348.292189	28.2097991	1090.71369	2.98055587	17.1141152	9.83878031	0.78181873	30.7730566	NonEnzymeReg
1.87549169	19.290599	21.8650734	7.46848569	50.4996499	310.904226	3000.77338	3339.85173	1104.88992	7756.41925	44.1544254	446.089646	503.016278	170.866192	1164.12654	1.2871027	12.6147181	14.0412803	4.80742218	32.7505232	NonEnzymeReg
8.51681109	24.0912327	9.79374128	6.14223865	48.5440238	1311.69114	3669.85884	1432.44721	887.51168	7301.50887	196.400789	553.756577	222.956926	139.296879	1112.41117	5.50522256	15.3913728	6.1970879	3.85036184	30.9440451	NonEnzymeReg
2.21670691	12.2186274	20.7305134	7.43873712	42.6045848	320.508682	1736.47102	2989.44177	1072.29854	6118.72001	50.4601754	277.30718	471.550726	169.29018	968.608261	1.39700094	7.69278596	13.1337353	4.74212016	26.9656424	NonEnzymeReg
0.46484003	22.355075	21.3314974	4.64199445	48.7934069	76.3406928	3348.28966	3117.87015	687.57583	7230.07637	10.9243581	514.446929	487.434695	106.088809	1118.89479	0.31802797	14.7089192	13.6770798	2.89583028	31.5998572	NonEnzymeReg
1.959051	16.030279	19.1235608	8.65031906	45.7632099	279.244532	2362.54765	2897.8553	1285.56203	6825.2095	44.464969	365.916118	439.349386	198.074997	1047.80547	1.25670315	10.2141371	12.28411	5.55530824	29.3102635	NonEnzymeReg
3.97511142	22.7944589	16.7528282	3.77230332	47.2947018	606.056697	3549.97732	2570.97347	540.92208	7267.92957	91.6190674	528.573338	386.084586	85.6101867	1091.88718	2.58989667	15.0526421	10.89041	2.37772846	30.9106773	NonEnzymeReg
0	3.4418307	30.8027233	14.9008462	49.1454003	0	565.220575	4773.61227	2203.33146	7542.16431	0	80.5430575	712.249801	340.539137	1133.332	0	2.29086146	20.1642661	9.54044039	31.995568	NonEnzymeReg
2.22288679	16.0444656	22.4372356	7.81253835	48.5171263	313.180941	2354.37429	3328.52182	1145.64199	7141.71904	50.4705463	366.841507	513.794232	178.256973	1109.36326	1.41955702	10.4089678	14.5230795	4.96258951	31.3141934	NonEnzymeReg
1.94332844	12.4608843	26.1731793	8.53020867	49.1076007	308.117222	1945.51879	4002.79391	1269.57202	7526.00194	45.2631188	289.065563	603.933294	195.587047	1133.84902	1.29031013	8.26239357	17.1547157	5.50473894	32.2121583	NonEnzymeReg
2.13487115	8.9299495	18.6826047	17.108376	46.855802	333.688647	1361.63544	2836.19071	2544.13885	7075.65366	49.6485756	206.423311	431.763332	392.833063	1080.66828	1.43491622	5.85465714	12.1914885	10.94627223	30.4273342	NonEnzymeReg
2.37173704	12.4455302	25.8739293	6.68621509	47.5223882	350.594325	1899.31786	3913.36166	1011.40059	7196.39887	54.4701736	287.465599	595.949676	153.84179	1095.06068	1.53795373	8.18680794	16.8301565	4.32469014	30.972514	NonEnzymeReg
2.16206116	16.9442288	24.5063146	4.43779239	48.0503969	312.911365	2466.60312	3632.30255	673.39025	7085.20729	49.1638088	385.204676	559.368036	101.607133	1095.34365	1.39616632	10.7322773	15.5379877	2.78915386	30.4555851	NonEnzymeReg
1.68537372	14.349586	26.0092079	8.24344883	50.2876165	258.568397	2260.65067	4002.61405	1267.68792	7789.52104	38.8182264	332.843957	600.355282	190.282387	1162.29985	1.09876398	9.41925745	16.9748703	5.34046406	32.8333558	NonEnzymeReg
0	2.7867337	17.4131527	26.105495	46.3053815	0	439.632463	2691.10245	3893.20897	7023.94388	0	65.213911	404.27057	600.807925	1070.29241	0	1.88992686	11.6004453	16.99168112	30.4820533	NonEnzymeReg
0.92921607	10.7374178	25.1632828	16.2717413	53.1016579	139.366724	1665.01376	3967.81731	2560.91029	8333.10808	21.3217009	247.734511	581.869648	376.244184	1227.17004	0.61615714	7.08004359	16.4136157	10.585094	34.6949105	NonEnzymeReg
0.7400058	14.6675158	26.5402179	5.07811972	47.0258602	102.593546	2042.4479	3746.59983	721.20125	6612.84253	16.8314347	333.621081	603.553632	115.605923	1069.61207	0.48093413	9.44228688	16.9710256	3.22324513	30.1174917	NonEnzymeReg
7.03642577	26.9005152	13.926294	0.42104938	48.2842843	1062.6516	3960.67669	2064.58804	52.967432	7140.88376	161.720444	614.464652	318.732141	9.2768775	1104.19411	4.54039334	17.1848122	8.93119013	0.23798852	30.8943842	NonEnzymeReg
5.40863902	21.685233	15.0642311	4.02998533	46.3432976	819.111669	3306.2724	2255.97438	589.69507	6994.35405	124.61006	500.044424	346.438831	91.935754	1066.59306	3.56467387	14.2655282	9.81353865	2.54928292	30.2951673	NonEnzymeReg
1.67182755	13.0986011	22.580374	12.033076	49.3838786	263.138718	2047.67115	3494.26918	1846.52219	7651.60124	38.7765216	303.90138	522.233044	277.152201	1142.06315	1.09256719	8.65378017	14.8926874	7.79825505	32.4372898	NonEnzymeReg
0.56481247	14.4520947	24.4698431	10.140624	49.6273927	82.0933891	2220.75427	3778.65881	1544.23704	7625.74351	12.8813012	333.831982	565.457489	233.467747	1145.63852	0.37052987	9.61734781	16.1139692	6.59460293	32.6964498	NonEnzymeReg
1.91584583	11.8135929	26.2525763	8.06745449	48.0494695	291.70484	1798.15814	3954.68324	1199.05584	7243.60205	44.2727922	272.670252	603.986447	184.787192	1105.71668	1.29296523	7.88019277	17.1538055	5.18104536	31.5080088	NonEnzymeReg
1.84444745	8.0842452	28.3667909	11.248405	49.5438888	284.374343	1269.89914	4368.1664	1701.19915	7623.63903	42.6543592	187.835129	654.767447	258.650485	1143.90742	1.23300045	5.40332167	18.4938892	7.26504203	32.3952533	NonEnzymeReg

4.92450645	17.1747361	20.0338643	4.33618506	46.4692919	716.980443	2505.12588	2893.30957	623.708203	6739.1241	112.506767	392.408753	456.15484	98.3103844	1059.38074	3.17925909	11.0535157	12.680908	2.70255441	29.6162372	NonEnzyme Reg
1.87205957	14.6208561	27.0116769	5.23647819	48.7410708	301.134235	2281.88726	4109.00765	801.698499	7493.72765	43.559107	338.307188	621.35941	120.52061	1123.74631	1.23346675	9.59071508	17.4388375	3.36150332	31.6245227	NonEnzyme Reg
1.30987641	22.7517586	19.748201	6.11180298	49.921639	226.820131	3744.30506	3206.28932	911.275932	8088.69045	31.109973	532.30694	459.64945	139.64926	1162.71564	0.91285996	15.165304	12.895249	3.85398383	32.8273991	NonEnzyme Reg
1.84444745	8.0842452	28.3667909	11.2484053	49.5438888	284.374343	1269.89914	4368.1664	1701.199115	7623.63903	42.654392	187.835129	654.76747	258.65048	1143.90742	1.23300045	5.40332167	18.4938892	7.26504203	32.395253	NonEnzyme Reg
2.21081716	15.9058226	25.4230826	4.58985276	48.1295751	343.855433	2478.92476	3921.0242	693.515475	7437.31987	51.173506	368.145448	585.99697	105.34729	1110.66324	1.45576437	10.429665	16.446343	2.94372523	31.2754981	NonEnzyme Reg
1.05644185	12.9442848	23.2116004	9.78244171	46.9947723	162.048081	2011.94113	3519.21762	1461.181	7154.38783	24.354736	299.032627	532.61686	223.50857	1079.51202	0.69217885	8.4962808	14.928235	6.19171993	30.3084151	NonEnzyme Reg
12.7126678	29.3656805	1.7613029	1.10688424	45.3129222	1800.27837	4190.78791	238.492087	151.984726	6430.96059	288.22961	666.578724	39.602708	25.000124	1027.6514	8.10237373	18.512519	1.09248723	0.70219301	28.6391537	NonEnzyme Reg
1.41911203	10.7937701	22.8278411	8.97650224	44.0172255	224.662681	1692.02707	3477.72092	1332.071551	6726.48217	33.060687	249.635664	525.27532	205.59602	1013.56786	0.91670208	6.8439285	14.302504	5.54778371	27.6109187	NonEnzyme Reg
2.62066645	21.6623421	21.6419123	1.46087231	47.3857912	392.148985	3154.10936	3148.49531	260.005251	6954.7589	60.268312	494.426227	493.47848	34.643435	1082.81648	1.75532828	13.948228	13.787181	0.92944931	30.4201882	NonEnzyme Reg
1.57235919	7.8927590	21.2153695	18.4356973	49.116185	238.660473	1192.49955	3218.38291	2731.557383	7381.10076	36.158703	181.600223	487.92987	421.85591	1127.54472	1.02488642	5.1812754	13.787231	11.84628	31.8396779	NonEnzyme Reg
1.17056891	10.8387692	20.2203004	15.2162946	47.4459331	172.82956	1668.02422	3188.25205	2405.7251	7434.83093	26.749835	249.759788	468.31041	352.96237	1097.78234	0.75263301	7.0335289	13.104643	9.87579123	30.7665971	NonEnzyme Reg
1.89368345	25.972948	17.6706151	3.50515661	49.0424031	306.329782	4084.68838	2742.5125	523.992049	7657.52271	44.188152	600.76734	407.05889	80.024912	1132.0393	1.26846553	16.887030	11.34996	2.18272274	31.6881814	NonEnzyme Reg
2.00095682	7.5357708	26.8944499	12.0735019	48.5046795	291.384252	1116.43821	4099.77467	1863.022121	7370.61934	45.723817	172.66877	619.54647	278.82551	1116.76459	1.31305166	4.9166978	17.530305	7.82051104	31.5805655	NonEnzyme Reg
1.57235919	7.8927590	21.2153695	18.4356973	49.116185	238.660473	1192.49955	3218.38291	2731.557383	7381.10076	36.158703	181.600223	487.92987	421.85591	1127.54472	1.02488642	5.1812754	13.787231	11.84628	31.8396779	NonEnzyme Reg
2.85255067	21.0306438	19.6438779	3.16937371	46.6964461	418.36002	3165.96914	2962.8637	499.218685	7046.41154	65.100563	482.60526	450.07809	73.207354	1070.99127	1.83724482	13.604719	12.528904	2.01225248	29.9831207	NonEnzyme Reg
0.21024921	9.8702945	21.2544318	15.7471101	47.2982267	28.9381671	1375.67104	3031.34404	2266.617883	6733.77981	4.7474135	223.184043	482.94047	358.29783	1074.09928	0.13627788	6.3045866	13.664013	10.08081	30.323949	NonEnzyme Reg
0.96441624	11.485414	23.5618345	12.8970834	48.9087482	157.659808	1830.82561	3590.6572	1968.594004	7547.73666	22.544136	267.053797	541.95645	296.32731	1127.8817	0.64173121	7.6047197	15.202772	8.23460053	31.6838287	NonEnzyme Reg
2.92343163	20.2512678	20.2605852	3.91262474	47.3479093	466.380724	3167.8712	3138.66593	583.299468	7356.21733	67.892646	468.890641	467.76776	89.519720	1094.07078	1.91806511	13.333793	13.208781	2.49595283	30.9565928	NonEnzyme Reg
2.66170838	15.4162783	25.7424174	5.45940921	49.2798134	444.922812	2456.08917	3998.14396	817.638579	7716.79452	62.965120	359.399836	595.64689	125.27052	1143.28238	1.85499883	10.330140	16.866657	3.49114931	32.5429467	NonEnzyme Reg
0	13.955166	19.7867355	13.8172761	47.5591784	0	2122.39066	3038.4518	2080.8613	7241.70376	0	320.686758	455.35464	316.60853	1092.64996	0	9.0772749	12.802786	8.79099107	30.6710472	NonEnzyme Reg
1.10513816	13.171512	20.8452025	13.8610168	48.9828786	173.048389	2008.21421	3182.50849	2139.591003	7503.36211	25.697113	303.60121	479.99405	319.50343	1128.79572	0.73678844	8.6155684	13.589399	8.98634156	31.9280924	NonEnzyme Reg
2.95626545	15.166395	17.5053513	15.4136725	51.0416846	450.118859	2340.19428	2585.57682	2303.840303	7679.72999	68.322246	351.143783	400.86341	353.23855	1173.56794	1.969039	10.114543	11.254046	9.87509337	33.2127236	NonEnzyme Reg
1.26994853	13.882604	25.7298577	8.91959991	49.8020105	203.792979	2141.04148	3898.74127	1339.906223	7583.48196	29.45639	320.35119	590.50477	204.33142	1144.64379	0.82387252	9.0401483	16.439006	5.66862661	31.9716542	NonEnzyme Reg
1.36902581	12.616190	24.8973866	9.72099702	48.6036001	220.793491	2021.59509	4013.15233	1544.761515	7800.30206	31.941521	293.650434	580.48534	225.80074	1131.87805	0.91713399	8.3639340	16.451029	6.35752102	32.0896189	NonEnzyme Reg
1.55400274	12.483084	21.6662013	10.31369	46.0169781	228.259296	1911.11578	3260.01652	1537.319119	6936.71078	35.379026	287.445051	496.76364	235.58586	1055.17358	0.97317424	8.0732482	13.899423	6.51223344	29.4580794	NonEnzyme Reg
1.82497606	11.053284	24.2548558	13.374557	50.507673	285.55231	1719.41328	3750.06647	2059.271414	7814.30302	42.202205	255.898946	561.60052	309.30776	1169.00945	1.19205029	7.266352	16.042398	8.80572014	33.3065212	NonEnzyme Reg
4.42017809	24.875914	18.1276202	1.06014521	48.4838549	675.459721	3730.56252	2744.38707	153.824888	7304.23421	101.87361	571.090238	417.12308	24.090667	1114.17761	2.95555266	16.259817	11.729062	0.64000683	31.5844391	NonEnzyme Reg
1.48552462	9.7260572	20.842233	15.8135558	47.8673706	228.015599	1476.16829	3142.96339	2373.172995	7220.32022	34.483774	223.938618	480.05764	362.83190	1101.31194	0.98110847	6.2723835	13.409832	10.09093	30.7542646	NonEnzyme Reg
2.08323209	13.901605	21.2512244	13.297752	50.5338138	333.702575	2201.78503	3413.27195	2129.793117	8078.55272	48.529312	323.336586	495.61373	310.26372	1177.74333	1.37040888	9.0932033	14.063818	8.93268269	33.4601131	NonEnzyme Reg
1.62817388	15.439841	19.9514076	8.22319737	45.2426199	237.347866	2269.59809	2921.63896	1204.287991	6632.87283	37.205064	353.099075	455.30654	187.52118	1033.13187	1.06368923	10.023526	12.760208	5.20720901	29.0546298	NonEnzyme Reg
3.40158532	14.182188	16.770889	14.459261	48.813925	521.549228	2237.71665	2595.97809	2169.126	7524.36997	78.471121	329.644271	387.81474	331.77986	1127.71	2.24271446	9.4519387	11.041406	9.33277319	32.0688331	NonEnzyme Reg

1.867453 79	10.91800 64	24.47365 48	10.30596 23	47.56507 73	279.9693 6	1644.282 04	3685.515 16	1547.744 78	7157.511 34	42.78573 45	250.7773 15	562.0387 4	236.3255 55	1091.927 35	1.184841 4	7.070519 93	15.89269 7	6.617453 1	30.76551 15	NonEnzyme Reg
0.596680 02	19.11574 73	23.12869 44	3.748548 62	46.58967 03	83.93242 85	2783.097 91	3342.028 05	546.8631 08	6755.921 49	13.52264 64	436.1286 9	526.1370 3	85.95891 84	1061.747 28	0.382183 9	12.29746 29	14.61911 54	2.367365 26	29.66612 75	NonEnzyme Reg
1.585999 6	11.13927 38	22.92947 12	13.94420 66	49.59895 11	249.4719 56	1794.381 51	3672.513 08	2127.180 19	7843.546 73	36.80090 74	259.6997 38	533.9116 38	321.1038 41	1151.516 12	1.058913 13	7.422296 38	15.18828 99	8.993456 93	32.66295 63	NonEnzyme Reg
2.545806 12	17.74207 93	19.78709 67	6.902991 07	46.97797 32	392.0973 86	2672.709 72	2977.344 09	1089.731 37	7131.882 56	59.03720 72	408.0727 43	454.1751 86	160.5502 66	1081.835 4	1.698409 1	11.56181 78	12.65813 51	4.523408 86	30.44177 08	NonEnzyme Reg
1.562330 82	8.705017 73	21.52853 56	15.15142 5	46.94730 91	245.7164 66	1345.334 94	3296.531 43	2367.261 18	7254.844 01	36.42086 02	202.5739 21	498.1815 62	351.0315 5	1088.207 89	1.050337 01	5.750602 5	13.99038 61	9.740233 19	30.53155 88	NonEnzyme Reg
1.745162 52	12.14712 04	20.34095 83	13.82893 82	48.06217 94	273.2753 93	1860.430 66	3062.548 88	2077.605 07	7273.86	40.37846 47	279.9692 62	466.7621 82	317.0923 44	1104.202 25	1.140442 67	7.891051 67	13.13751 39	8.854994 74	31.02400 3	NonEnzyme Reg
2.347430 52	16.15067 94	27.60120 8	3.938972 63	50.03829 06	350.7227 07	2471.832 04	4297.029 57	628.1726 44	7747.756 96	53.84059 55	372.6055 95	638.4581 53	91.34346 1	1156.247 81	1.533177 42	10.59769 3	18.05511 03	2.547176 8	32.73315 75	NonEnzyme Reg
4.353563 1	22.00333 3	15.67996 83	6.105969 65	48.14283 41	652.5803 72	3361.992 75	2352.915 17	886.7487 46	7254.237 04	99.97176 17	505.7930 93	359.3518 88	138.9187 88	1104.035 53	2.838987 7	14.14595 56	10.04100 63	3.823397 35	30.84934 7	NonEnzyme Reg
0.740005 8	14.66751 58	26.54021 9	5.078119 72	47.02586 02	102.5935 46	2042.447 9	3746.599 83	721.2012 52	6612.842 53	16.83143 47	333.6210 81	603.5536 32	115.6059 23	1069.612 07	0.480934 13	9.442286 8	16.97102 56	3.223245 13	30.11749 17	NonEnzyme Reg
0	13.16168 42	13.22302 89	19.64200 57	52.00896 03	0	2141.283 27	2089.487 67	3109.232 14	8298.401 84	0	308.6593 37	307.6637 91	457.1046 48	1212.895 99	0	9.083615 63	9.106511 16	13.47484 06	35.74050 25	NonEnzyme Reg
4.165984 34	23.63255 27	15.22818 62	4.960200 66	47.98692 39	666.7957 49	3640.523 58	2282.882 03	724.8230 18	7315.024 38	97.22665 7	544.6071 42	348.6600 19	113.1041 52	1103.597 97	2.814236 17	15.29141 47	9.653501 95	3.112409 56	30.87156 24	NonEnzyme Reg
1.200492 03	13.89903 24	23.81891 89	8.065717 52	46.98416 08	175.9577 44	2068.114 79	3556.028 52	1185.892 24	6985.993 29	27.40715 76	318.5302 91	546.3366 36	184.1819 27	1076.456 01	0.758175 3	8.921973 19	15.28240 91	5.081897 04	30.04445 46	NonEnzyme Reg
2.102776 22	19.05105 08	20.36093 17	6.680342 99	48.19510 17	311.5774 53	2756.837 39	2969.378 82	1002.635 16	7040.428 83	48.06721	434.2291 88	464.5932 94	152.6121 17	1099.501 81	1.357556 62	12.20885 62	12.87170 78	4.157315 36	30.59543 6	NonEnzyme Reg
0	10.37882 62	27.02436 13	12.50962 44	49.91281 18	0	1608.439 38	4167.613 38	1925.646 64	7701.699 41	0	240.5531 48	625.3154 01	289.1059 23	1154.974 47	0	6.895360 72	17.72846 44	8.127786 36	32.75161 15	NonEnzyme Reg
3.626856 39	20.27699 55	19.42492 49	4.347084 17	47.67586 1	588.2870 77	3124.322 28	2953.235 54	660.9595 75	7326.804 47	84.71919 84	468.5224 79	447.1252 62	99.97099 73	1100.337 94	2.418553 23	13.29812 8	12.58226 1	2.817070 42	31.11601 26	NonEnzyme Reg
2.507061 61	11.62544 53	28.94642 57	3.504647 47	46.58358	384.0590 01	1793.411 71	4432.215 39	516.2612 5	7125.947 36	57.80671 81	268.1532 01	666.1436 84	79.86680 42	1071.970 41	1.638300 41	7.537795 74	18.50948 97	2.177651 82	29.86323 77	NonEnzyme Reg
2.635979 54	16.68529 97	23.98682	4.857043 93	48.16514 32	419.6776 17	2507.387 99	3602.643 84	746.9264 93	7276.635 93	61.08686 34	382.7794 99	550.1478 66	111.8794 97	1105.893 73	1.712425 79	10.73880 02	15.48740 72	3.106338 66	31.04497 18	NonEnzyme Reg
2.806918 45	17.23449 08	21.54996 19	5.204791 33	46.79616 25	433.8743 37	2678.610 63	3300.998 17	798.8276 8	7212.310 81	64.88846 71	399.0883 03	496.4844 9	120.2155 85	1080.676 84	1.849614 38	11.32539 13	13.94527 65	3.403557 17	30.52383 93	NonEnzyme Reg
2.411740 09	12.13186 84	24.58834 37	10.00288 91	49.13484 13	369.8129 08	1843.550 16	3697.685 92	1499.608 53	7410.657 51	55.69234 04	280.0170 42	564.7072 3	229.5139 48	1129.930 56	1.603697 93	8.019656 27	15.98382 58	6.457980 55	32.06516 05	NonEnzyme Reg
2.063715 47	13.54595 15	27.25776 87	4.764953 27	47.63238 9	309.4662 15	2077.963 09	4136.485 95	693.1247 55	7217.040 01	47.36967 77	312.5367 51	626.8162 24	108.4506 62	1095.173 31	1.345425 29	8.921585 47	17.75289 79	3.011053 65	31.03096 23	NonEnzyme Reg
0.385105 21	13.67246 4	19.99737 19	12.64979 84	46.70473 95	62.98330 58	2114.062 55	3018.946 58	1862.885 68	7058.878 11	9.052588 51	316.1474 08	459.7393 36	289.1197 41	1074.059 07	0.261845 82	9.041425 2	13.00905 37	8.106884 23	30.41920 89	NonEnzyme Reg
1.526716 11	13.51208 99	31.28930 12	2.995037 13	49.32314 44	235.6175 14	2072.488 18	4916.336 91	466.6407 56	7691.083 36	35.32127 57	312.2600 54	725.1508 74	69.09716 64	1141.829 37	1.009503 38	8.934233 59	20.57779 76	1.921173 73	32.44270 83	NonEnzyme Reg
2.563424 76	10.14138 24	23.61766 99	8.757559 36	45.08003 64	427.3103 01	1561.941 26	3460.529 52	1233.819	6683.600 07	60.32279 21	234.6591 47	540.6897 63	198.4305 17	1034.102 22	1.757976 67	6.708542 63	15.14993 69	5.441129 37	29.05758 55	NonEnzyme Reg
3.270515 62	17.82911 73	21.58546 03	4.522983 36	47.20807 65	488.1276 97	2699.883 93	3230.707 86	669.1725 63	7087.892 05	74.89439 61	409.1685 73	493.8836 33	103.2865 43	1081.233 14	2.120533 55	11.44805 08	13.67998 25	2.819902 42	30.06846 93	NonEnzyme Reg
1.775642 9	8.728318 66	26.26183 02	10.05429 56	46.82008 73	246.8901	1234.651 38	3811.244 04	1463.993 42	6756.778 94	40.26521 67	197.9695 27	598.3841 73	229.3697 3	1065.988 65	1.147200 6	5.534634 54	16.74975 48	6.424882 04	29.85647 2	NonEnzyme Reg
2.474251 36	14.16644 28	22.74324 85	9.164174 2	48.54811 68	374.4575 11	2200.990 74	3509.904 26	1397.937 82	7483.290 34	56.84860 77	327.7275 85	525.0379 37	210.7843 31	1120.398 46	1.612344 79	9.346995 55	14.78441 63	5.907492 19	31.65124 88	NonEnzyme Reg
1.823324 21	11.52711 95	24.55668 3	9.987852 58	47.89497 93	275.3231 55	1775.877 23	3732.403 86	1505.257 57	7288.861 82	41.92335 79	266.2412 56	565.1074 41	229.3711 32	1102.643 19	1.173049 59	7.524473 6	15.86794 28	6.386676	30.95214 2	NonEnzyme Reg
2.927150 75	15.07281 83	22.72228 34	6.871178 59	47.59343 1	448.2621 27	2268.625 67	3432.356 75	993.9511 84	7143.195 73	67.51839 36	346.4648 75	522.4957 78	156.3813 24	1092.860 37	1.910046 86	9.794341 76	14.77878 83	4.386689 01	30.86986 59	NonEnzyme Reg
7.616354 8	16.06524 37	10.91438 96	16.58345 28	51.17944 09	1245.198	2604.275 31	1786.057 77	2700.253 26	8335.784 33	176.7605 67	372.1232 85	253.6752 43	384.2972 97	1186.856 39	4.850408 97	10.25712 64	7.056210 31	10.57032 84	32.73407 4	NonEnzyme Reg
1.756088 41	12.99502 41	22.71493 48	10.60237 99	48.06842 72	276.3321 4	2021.892 47	3516.311 8	1591.219 48	7405.755 9	40.66505 7	300.4527 57	524.8549 1	243.1832 35	1109.155 96	1.140176 31	8.493721 01	14.85565 22	6.818666 98	31.30821 65	NonEnzyme Reg
3.189659 9	22.11593	16.94021	6.546628 94	48.79242 88	473.9735 84	3425.433 28	2589.404 23	997.8255 05	7486.636 6	72.99040 94	511.3981 66	389.7283 61	150.0115 12	1124.128 45	2.056223 49	14.49423 9	10.92488 19	4.105504 3	31.58084 88	NonEnzyme Reg

1.56707514	16.0508509	22.2446558	10.3153053	50.1778871	246.92266	2419.34911	3332.43585	1540.63663	7539.34425	36.5011566	369.0309	510.249367	236.181389	1151.96281	1.06546409	10.4276323	14.2864859	6.58106567	32.360648	NonEnzyme Reg
2.23265386	13.8820741	22.2509423	11.4799635	49.8456338	336.02134	2153.62527	3402.11315	1761.80979	7653.56954	51.2316946	321.038887	512.282122	264.328271	1148.88097	1.4300566	9.0657036	14.3797463	7.38263046	32.258137	NonEnzyme Reg
4.91542773	20.980102	18.2665619	6.20557387	50.3676656	705.07800	3039.78624	2657.84435	926.88251	7329.5911	111.735044	478.092068	416.212076	142.11339	1148.15258	3.13931074	13.3434839	11.4614856	3.8756541	31.819934	NonEnzyme Reg
0.35922518	11.0550908	23.2213495	14.5075099	49.1431754	56.966968	1704.96514	3586.80915	2271.24746	7619.98871	8.3630726	255.950538	536.138468	335.355758	1135.80784	0.24440024	7.3779184	15.1645398	9.33232902	32.119187	NonEnzyme Reg
1.89599807	14.7886592	19.5498647	9.22201145	45.4565334	277.55345	2200.68883	2942.15474	1352.28772	6772.68473	43.3218102	338.437501	448.666075	210.59525	1041.02065	1.22029573	9.4541445	12.6122392	5.89327873	29.179958	NonEnzyme Reg
6.54978922	25.5301742	14.5575369	1.88625323	48.5237535	995.05623	3890.12422	2242.83414	280.91657	7408.93116	150.71748	587.969733	335.507489	43.006345	1117.20101	4.27654266	16.5068654	9.3003772	1.15954399	31.243329	NonEnzyme Reg
0	11.1215302	28.6753648	9.75535979	49.5522548	0	1587.33569	4103.3165	1393.4062	7084.05839	0	252.527959	651.944313	221.535757	1126.00803	0	7.0773237	18.0961993	6.13492294	31.308446	NonEnzyme Reg
2.68187577	14.8516638	22.3322572	10.1442412	50.0100378	421.05801	2293.43118	3428.14379	1562.53472	7705.1677	62.240932	342.946724	514.191672	233.121769	1152.50109	1.79411281	9.7575657	14.415193	6.443222	32.410090	NonEnzyme Reg
8.94907877	31.6142297	6.1600281	3.81170955	50.5350461	1279.2267	4669.67303	903.08213	534.92133	7386.90326	203.41955	725.249167	140.870046	86.165463	1155.70421	5.74990618	20.4331346	3.90586692	2.40549188	32.494395	NonEnzyme Reg
3.55100562	19.8037059	16.5966282	8.14272303	48.0940627	526.30516	3008.39475	2536.78901	1259.81969	7331.30862	81.126796	455.643575	382.279125	187.566346	1106.61584	2.27919329	12.8091212	10.647193	5.17834201	30.913846	NonEnzyme Reg
2.337797	16.6344187	27.5147525	3.01049768	49.8665876	356.19917	2535.34692	4126.59965	451.72787	7525.28553	53.972267	383.973934	631.906923	69.012358	1147.31599	1.54197999	10.9695633	17.798721	1.91771622	32.459856	NonEnzyme Reg
6.93065095	37.1335266	4.8611356	0.63832298	49.5636362	1050.9249	5574.02886	756.25946	86.363205	7467.57651	160.02935	852.512446	112.629837	14.386556	1139.55819	4.57823021	24.1817351	3.2292688	0.40321413	32.392448	NonEnzyme Reg
7.66877922	17.857633	14.4161621	7.82871843	47.7712927	1220.6161	2791.84291	2249.07065	1218.12466	7479.65483	178.50608	414.066575	334.109973	181.003169	1107.6858	5.01246877	11.5929164	9.3403757	5.00516877	30.950929	NonEnzyme Reg
2.67790605	13.6425039	20.9239478	9.12752456	46.3718823	423.17809	2119.67108	3222.94855	1419.56568	7185.36341	62.754137	317.674069	484.779112	211.595392	1076.80271	1.77589642	9.0148060	13.728651	5.95160088	30.470955	NonEnzyme Reg
5.412863	27.0412986	15.0385414	1.29183608	48.7845391	877.58305	4307.35271	2427.34921	197.76982	7810.05479	127.02425	630.123681	351.089529	29.896642	1138.13406	3.71934448	18.0984143	9.9651521	0.83868347	32.621594	NonEnzyme Reg
5.53535601	27.2209908	13.32868	1.56941626	47.6544431	840.22443	4069.83001	2041.92544	236.29672	7188.27641	127.58310	623.848183	306.939795	36.169194	1094.54028	3.68193998	17.4971034	8.5495053	1.02335359	30.751902	NonEnzyme Reg
7.77943301	22.0360014	13.631395	3.58869497	47.0355243	1194.0192	3381.37712	2009.51789	553.05249	7137.96673	179.64202	508.140629	311.368797	82.626369	1081.77782	5.11848991	14.3228651	8.6946425	2.30647479	30.442472	NonEnzyme Reg
1.56522051	10.9909725	24.2836086	11.3696061	48.2094077	220.36280	1615.74756	3617.44608	1704.87262	7158.42907	35.608732	251.84041	556.662535	261.26417	1105.37639	1.01518648	7.1424323	15.650389	7.31935205	31.127360	NonEnzyme Reg
3.50213333	20.0963173	20.9305884	3.44895812	47.9779971	498.55179	2943.57555	3107.77203	533.82675	7083.72613	79.460212	458.607877	479.254019	80.102184	1097.42429	2.25936828	12.897691	13.461521	2.28069086	30.899271	NonEnzyme Reg
2.23197612	18.4152442	23.0250605	5.32758084	48.9998616	347.67207	2833.48873	3448.64457	785.89007	7415.69544	51.736994	425.259954	528.369683	121.706375	1127.07301	1.45808105	12.060967	14.944703	3.40982281	31.873554	NonEnzyme Reg
13.5767515	29.3162122	2.7482054	2.82321632	48.4643855	2067.2106	4359.90443	415.65645	433.20027	7275.97176	311.13953	669.956799	63.0869032	65.316153	1109.49941	8.61968107	18.6073622	1.7525854	1.86670373	30.846332	NonEnzyme Reg
2.07239865	11.9494862	18.9456081	14.1192724	47.0867654	289.48013	1717.82833	2800.48265	2080.7763	6888.56741	46.907643	271.664486	433.154348	322.563766	1074.29024	1.3307252	7.5813162	12.078864	8.98992821	29.980834	NonEnzyme Reg
1.65775144	9.5708297	23.6164438	12.246724	47.091749	251.90943	1479.47047	3674.08502	1905.60713	7311.07206	38.223455	221.30474	545.604295	282.633111	1087.7656	1.06488163	6.2452146	15.288605	7.83177325	30.430475	NonEnzyme Reg
4.28353581	22.0856977	15.4563703	6.1651452	47.990749	632.78687	3302.31123	2344.90404	933.64431	7213.64647	98.038267	506.632513	355.373369	141.580431	1101.62458	2.79509228	14.2306717	9.9757851	3.97467344	30.976226	NonEnzyme Reg
3.16021376	14.7325933	25.3690002	5.25167754	48.5134848	465.27333	2187.15887	3872.42952	825.43612	7350.29785	72.099467	337.142921	584.902441	121.995425	1116.14025	2.02298784	9.5434203	16.555743	3.42989097	31.552042	NonEnzyme Reg
12.3595977	28.6472652	4.4237192	3.26335619	48.6939383	1861.1586	4282.51208	666.46424	478.04256	7288.17757	283.23412	656.091401	101.691505	74.592025	1115.60908	7.93675243	18.4946862	2.8469503	2.08970384	31.368092	NonEnzyme Reg
6.19011544	34.1739675	8.0959024	1.04265198	49.5026374	947.87557	5217.5325	1219.29597	152.93900	7537.64305	143.02714	787.915379	186.017739	23.829902	1140.79016	4.11490451	22.2540933	5.2297262	0.66725 4	32.265978	NonEnzyme Reg
2.02394107	8.7678460	22.6032565	14.6639747	48.0590184	315.90703	1346.86993	3475.26202	2260.01475	7398.05373	47.008421	202.656585	521.484913	337.833268	1108.98318	1.36377492	5.7947385	14.671130 8	9.40226588	31.231901	NonEnzyme Reg
0.61861058	25.581871	18.9668783	3.02601106	48.1933709	91.482011	3974.18734	2927.94836	453.21888 1	7446.83659	14.123486 8	591.320725	437.470631	69.249890 2	1112.16473	0.40000396	16.773449 5	12.336407 9	1.91165565	31.421517	NonEnzyme Reg
2.4330385	12.7952015	22.1587286	10.3079342	47.6949029	390.92853	1969.05088	3350.99198	1552.99049	7263.96188	56.710867 7	295.594408	510.101374	236.906034	1099.31268	1.63302 68	8.4279643 8	14.442833 2	6.66408955	31.167913 9	NonEnzyme Reg
2.09441236	22.5768177	19.3080478	1.59758718	45.576865	298.99933 5	3270.63821	2724.06398	227.21741 7	6520.91894	47.627135 7	514.90326 76	437.700778	36.280298 1	1036.51149	1.36314 19	14.696132 2	12.441467 1	1.04287452	29.543615 7	NonEnzyme Reg

3.464826 09	17.37476 21	16.49804 34	12.29159 04	49.62922 2	537.0118 05	2681.757 6	2499.079 42	1867.545 44	7585.394 26	79.80263 72	401.0520 41	379.3621 61	282.5707 07	1142.787 55	2.235898 38	11.32832 05	10.65751 14	7.932917 51	32.15464 77	NonEnzyme Reg
1.489776 15	15.16614 79	21.10550 18	9.628099 45	47.38952 54	227.9576 69	2315.447 44	3159.944 79	1410.628 85	7113.978 75	34.35004 81	349.3304 03	483.9408 22	219.5310 95	1087.152 37	0.969610 81	9.875398 83	13.69555 2	6.162244 76	30.70280 64	NonEnzyme Reg
0.629369 55	22.77211 13	19.30563 1	5.111960 32	48.38091 98	93.80647 49	3334.802 95	2858.588 62	717.2746 15	7081.384 75	14.42746 07	518.6152 49	440.8377 98	115.7492 07	1102.422 16	0.411076 06	14.50811 39	12.28391 03	3.214322 36	30.77760 12	NonEnzyme Reg
2.292516 03	9.434396 84	27.46021 79	10.09894 22	49.28607 3	369.9501 45	1507.992 58	4225.650 61	1543.041 33	7646.634 67	53.68060 38	220.0340 6	633.9451 07	232.9779 73	1140.637 74	1.571433 61	6.350684 72	17.92102 67	6.552894 75	32.39603 98	NonEnzyme Reg
2.115054 17	19.72151 3	21.66725	3.930170 85	47.43398 8	313.4327 69	3072.222 02	3399.627 67	602.4523 6	7387.734 82	48.32758 91	455.6717 78	501.2414 65	90.33939 08	1095.580 22	1.365765 12	12.85969 58	14.11639 36	2.485867 44	30.82772 19	NonEnzyme Reg
0.730906 6	11.76731 18	21.19026 09	13.92047 79	47.60895 72	107.6448 57	1772.454 79	3216.472 75	2104.966 18	7201.538 58	16.72769 15	270.1883 28	486.5567 39	318.8524 4	1092.325 2	0.473954 71	7.589266 56	13.57125 09	8.789222 7	30.42369 49	NonEnzyme Reg
0.794351 5	22.54914 08	21.65459 93	5.066643 22	50.06473 48	111.2328 61	3295.948 26	3228.249 96	753.1632 5	7388.594 33	18.03095 49	514.1529 37	495.2706 63	115.8062 91	1143.260 85	0.510072 98	14.36861 87	13.83362 29	3.189438 43	31.90175 3	NonEnzyme Reg
0	8.128571 37	28.09826 29	8.089399 41	44.31623 37	0	1153.502 32	4087.682 88	1205.218 41	6446.403 61	0	185.0525 13	643.8202 74	185.7841 74	1014.656 96	0	5.175761 51	17.96930 92	5.226908 06	28.37197 88	NonEnzyme Reg
1.887236 9	13.93150 02	21.91129 45	10.76767 86	48.49771 01	295.9220 51	2186.341 51	3350.561 02	1608.907 94	7441.732 52	43.85200 73	323.2143 53	505.1104 8	246.8418 03	1119.018 64	1.266650 34	9.237177 91	14.25740 28	6.897524 75	31.65875 58	NonEnzyme Reg
3.324796 8	19.28861 9	21.14782 12	5.170652 15	48.93188 91	525.8921 68	3003.403 03	3269.566 33	790.6844 81	7589.546 01	77.19377 3	446.4049 91	488.3349 02	119.0291 17	1130.962 78	2.180085 04	12.60320 58	13.75693 63	3.346244 84	31.88647 2	NonEnzyme Reg
0.831107 93	23.03893 16	19.17710 33	6.032500 04	49.07964 29	138.9184 35	3611.784 57	2938.320 26	937.9477 46	7626.971 02	19.52101 96	532.5267 76	440.9238 67	138.7506 83	1131.722 35	0.555263 55	14.98830 04	12.32237 92	3.808869 13	31.67481 23	NonEnzyme Reg
2.251863 39	15.89589 89	18.61223 57	13.71052 14	50.47051 94	341.8323 92	2431.873 54	2891.823 15	2123.649 42	7789.178 5	51.80695 6	366.5446 43	430.8109	316.9690 29	1166.131 53	1.474826 84	10.40419 41	12.27682 63	8.971160 58	33.12700 78	NonEnzyme Reg
1.701495 15	15.83759 04	25.38501 44	4.555643 69	47.47974 37	254.1845 17	2462.801 4	3899.997 08	710.9797 01	7327.962 7	39.03736 56	366.2222 12	584.7268 78	105.0981 83	1095.084 64	1.098420 45	10.33129 23	16.38738 34	2.919359 39	30.73645 56	NonEnzyme Reg
2.658423 1	13.61658 48	20.65060 83	10.42674 84	47.71960 23	421.8422 89	2097.69	3114.990 57	1593.541 24	7298.625 67	61.94361 98	314.3605 98	473.5837 04	239.7302 82	1098.499 34	1.806622 42	9.002956 85	13.33467 32	6.685059 95	31.06641 31	NonEnzyme Reg
4.020949 82	26.72755 8	15.02224 82	0.740880 16	46.51163 62	622.3475 9	4184.919 46	2293.186 76	117.4514 71	7217.905 28	93.24679 44	620.2291 52	346.2693 37	17.04453 39	1076.789 82	2.676612 86	17.82850 33	9.799813 79	0.457791 88	30.76272 18	NonEnzyme Reg
3.647826 41	14.87752 28	21.95959 67	8.657993 6	49.14293 95	569.2806 46	2283.936 8	3393.099 73	1336.822 46	7583.139 64	84.77117 66	343.7026 71	506.7108 43	199.5034 65	1134.688 16	2.474793 56	9.850680 46	14.29185 49	5.597463 04	32.21479 19	NonEnzyme Reg
2.134871 5	8.929949 55	18.68260 47	17.10837 63	46.85580 2	333.6886 47	1361.635 44	2836.190 71	2544.138 85	7075.653 66	49.64857 56	206.4233 11	431.7633 32	392.8330 63	1080.668 28	1.434916 2	5.854657 14	12.19148 85	10.94627 23	30.42733 42	NonEnzyme Reg
4.711188 51	31.09983 69	10.14936 5	5.086715 87	51.04710 63	728.8961 33	4675.607 92	1538.103 55	757.7579 04	7700.365 5	108.7219 27	712.9134 55	232.2815 13	115.9439 09	1169.860 8	3.112689 44	19.88431 79	6.391438 26	3.175898 47	32.56434 41	NonEnzyme Reg
1.871313 46	15.23344 51	23.93542 28	5.422361 35	46.46254 27	282.1089 89	2279.351 38	3568.115 17	785.6396 75	6915.215 21	42.84066 13	348.8703 83	547.6784 28	123.5236 24	1062.913 1	1.191561 04	9.749689 04	15.24459 97	3.460474 17	29.64632 39	NonEnzyme Reg
3.644290 53	17.17135 37	19.67056 41	7.941474 65	48.42768 3	562.3010 3	2637.245 92	3047.631 96	1224.114 37	7471.293 29	84.20136 4	396.2354 19	454.6870 93	183.2423 78	1118.366 25	2.375362 55	11.15785 58	12.78740 04	5.155295 45	31.47591 42	NonEnzyme Reg
1.558191 05	23.02348 99	15.09280 94	6.269027 51	45.94351 78	220.2861 23	3278.019 78	2200.862 4	927.7978 85	6626.966 19	35.26434 63	521.3693 56	343.5045 51	143.2143 22	1043.352 58	0.988684 21	14.36634 76	9.488292 33	3.960842 85	28.80416 69	NonEnzyme Reg
3.180685 79	17.43191 86	23.27297 1	5.140036 52	49.02561 19	485.1231 3	2717.279 11	3636.862 53	808.4943 2	7647.759 09	73.32347 08	403.7953 35	539.0430 34	119.0545 14	1135.216 35	2.079352 26	11.50240 17	15.34237 42	3.333101 37	32.25722 96	NonEnzyme Reg
4.358770 81	13.14623 06	20.13502 9	11.46242 01	49.37800 58	624.7073 02	1871.201 15	2887.413 76	1647.300 63	7067.825 38	98.77559 76	298.3932 79	457.7821 96	260.9853 48	1122.121 15	2.734884 71	8.347930 48	12.76070 67	7.274446 3	31.28765 51	NonEnzyme Reg
0	15.27496 37	19.78593 03	12.54060 02	47.60149 42	0	2393.120 17	3024.815 57	1882.822 62	7300.758 36	0	354.1753 95	456.222	288.3090 19	1098.706 42	0	10.18323 35	12.94873 53	8.077447 19	31.20941 6	NonEnzyme Reg
2.360800 92	11.39022 1	25.47921 86	5.726527 57	44.95676 81	367.4811 16	1822.986 02	4018.777 14	868.8062 79	7078.050 56	54.65759 13	265.8426 35	591.8417 87	131.8349 32	1044.176 95	1.543434 56	7.628893 35	16.68404 79	3.665523 71	29.52189 95	NonEnzyme Reg
3.870237 75	20.46643 7	22.76641 74	1.924146 32	49.02723 84	569.5968 28	3067.367 09	3356.288 9	281.3799 85	7274.632 8	88.49120 85	469.3852 23	520.2429 79	43.85650 29	1121.975 91	2.538508 77	13.32985 11	14.67720 92	1.229298 97	31.77486 8	NonEnzyme Reg
2.168665 6	18.50127 07	24.75680 43	3.425949 86	48.85269 04	343.6664 51	2771.546 79	3671.577 01	503.8492 82	7290.639 53	50.43724 1	424.5378 35	565.6909 93	78.15199 96	1118.818 07	1.441832	11.99621 69	15.80028 8	2.181031 48	31.41936 84	NonEnzyme Reg
1.971179 58	13.45669 01	23.86808 11	10.47541 47	49.77136 54	305.1118 69	2130.797 47	3786.827 44	1611.752 5	7834.489 28	45.63262 05	312.6560 62	553.8690 75	241.3790 88	1153.536 85	1.309121 09	8.884535 71	15.60705 72	6.752161 37	32.55287 53	NonEnzyme Reg
1.273368 87	9.766239 62	27.83680 25	9.685464 17	48.56187 52	193.2072 73	1521.198 15	4321.167 44	1487.602 67	7523.175 54	29.32663 25	226.2949 34	643.6479 5	223.0871 84	1122.356 7	0.824151 15	6.436963 34	18.21042 81	6.230947 5	31.70249 01	NonEnzyme Reg
1.960620 04	13.95502 46	24.96208 42	7.036447 7	47.91417 65	311.9748 59	2181.325 78	3844.933 15	1035.432 8	7373.666 6	45.78337 91	323.9507 18	576.6608 5	160.8895 31	1107.284 48	1.307793 77	9.264282 72	16.38518 11	4.520604 64	31.47786 22	NonEnzyme Reg
15.70922	21.02486 36	11.75115 05	1.706504 16	50.19173 83	2316.063 97	3065.248 88	1701.255 01	261.0857 25	7343.653 59	359.0025 41	478.8701 05	266.6777 53	39.33302 41	1143.883 42	10.11630 4	13.41357 88	7.301861 1	1.083699 96	31.91544 38	NonEnzyme Reg

1.705829 89	15.07032 11	23.87638 17	7.742499 89	48.39503 26	282.5849 25	2474.077 39	3765.984 61	1155.878 63	7678.525 56	40.40770 91	354.6448 23	555.3039 12	177.5067 92	1127.863 24	1.198807 37	10.35340 77	15.95419 11	4.947476 72	32.45388 28	NonEnzyme Reg
3.813594 77	17.15914 05	21.61101 06	7.122582 54	49.70632 84	601.6469 5	2702.089 92	3479.955 82	1128.876 87	7912.569 56	88.45531 25	397.4575 27	502.3615 49	164.9799 82	1153.254 37	2.546983 37	11.21431 49	14.03686 55	4.621552 73	32.41971 65	NonEnzyme Reg
1.881450 41	13.17088 44	23.70019 51	10.45762 66	49.21015 64	289.1080 54	1991.769	3592.608 32	1591.425 56	7464.910 94	43.52190 5	303.3635 6	545.4046 17	240.3760 9	1132.666 17	1.247948 8	8.667485 51	15.48604 28	6.721449 43	32.12292 66	NonEnzyme Reg
3.129218 31	19.33223 11	19.88180 95	6.182441 29	48.61728 74	503.3622 03	3004.248 89	2998.245 81	932.1062 05	7451.917 13	73.01845 84	447.6977 95	457.4053 32	142.1048 76	1122.329 51	2.087583 32	12.73708 16	12.87421 52	3.977314 21	31.73445 4	NonEnzyme Reg
0.719585 76	18.07247 16	16.73137 38	13.78505 5	49.30848 61	106.0243 79	2699.971 53	2477.408 86	2046.489 78	7329.894 54	16.43383 72	413.6533 21	382.3443 45	315.1241 45	1127.555 65	0.463760 39	11.57134 68	10.67494 55	8.768825 06	31.47887 77	NonEnzyme Reg
1.439800 84	18.12656 48	16.85061 07	12.19720 02	48.61417 65	223.6758 08	2868.041 38	2679.521 33	1919.475 95	7690.714 46	33.27758 75	420.5384 6	390.1523 68	281.2380 09	1125.206 42	0.966218 1	12.06739 58	10.88638 77	7.775748 84	31.69575 04	NonEnzyme Reg
1.979828 56	21.51462 75	22.00852 36	2.891630 25	48.39460 99	311.6925 06	3287.145 94	3314.334 91	418.8275 73	7332.000 93	46.10819 76	496.3349 01	505.3687 43	65.67998 25	1113.491 82	1.337144 7	14.06332 78	14.14344 46	1.803652 82	31.34756 99	NonEnzyme Reg
7.864985 4	17.70030 22	15.37593 45	3.808184 97	45.06288 68	1109.975 09	2489.617 16	2318.105 5	569.5438 42	6531.106 41	178.1003 3	400.1899 95	352.3434 23	86.74779 35	1024.425 95	4.926289 19	10.96069 45	9.859313 3	2.335755 29	28.26641 06	NonEnzyme Reg
0	6.571898 88	25.35863 56	14.86489 32	46.79542 77	0	1030.602 79	3798.573 6	2145.077 68	6974.254 06	0	152.7299 7	583.0168 73	338.6107 77	1074.357 62	0	4.431591 43	16.65858 67	9.460738 07	30.55091 62	NonEnzyme Reg
9.134995 6	11.49289 88	8.443997 29	11.30620 92	40.37810 09	1322.562 42	1697.671 59	1259.826 41	1692.433 82	5972.494 24	208.6381 95	263.6088 77	194.1115 65	260.1519 74	926.5106 1	5.907043 76	7.384649 41	5.416581 99	7.276005 28	25.98428 05	NonEnzyme Reg
2.967249 82	18.07928 12	18.74204 51	10.95955 61	50.74813 22	473.9564 82	2820.789 89	2826.068 99	1672.957 09	7793.772 46	69.11784 93	418.4068 83	430.8133 99	252.6098 05	1170.947 94	1.973501 95	11.84491 93	12.22138 03	7.116011 08	33.15581 26	NonEnzyme Reg
1.876668 88	13.65781 78	20.41759 74	12.32311 61	48.27520 01	285.4780 46	2085.527 24	3144.583 07	1853.743 48	7369.331 83	43.24027 74	314.4331 31	470.7178 15	282.4823 37	1110.873 56	1.231506 21	8.897272 91	13.30157 47	7.918355 95	31.34870 97	NonEnzyme Reg
5.116248 07	20.43342	16.47944 29	5.336098 53	47.36520 95	765.6978 38	3079.665 68	2498.132 66	787.9750 27	7131.471 21	117.4594 6	469.5081 73	378.9579 01	121.7028 31	1087.628 37	3.359883 01	13.32715 34	10.69155 35	3.358414 91	30.73700 49	NonEnzyme Reg
2.352918 37	10.62840 53	30.38924 69	5.258736 7	48.62930 73	389.2660 32	1685.805 88	4672.784 57	811.3967 34	7559.253 22	55.20895 03	246.8391 85	700.6470 2	121.4362 4	1124.131 4	1.596753 14	7.043449 36	19.82384 34	3.420622 29	31.88466 81	NonEnzyme Reg
1.863505 33	8.969465 95	24.99125 3	14.06794 74	50.17985 74	284.8796 74	1378.269 11	3828.218 08	2146.827 39	7679.323 3	42.73928 62	206.5145 46	575.4004 88	323.7963 93	1154.990 19	1.191952 46	5.843263 11	16.30563 97	9.183323 13	32.71044 02	NonEnzyme Reg
10.78772 04	13.30412 34	11.69715 53	11.44760 57	47.23660 48	1621.471 78	1947.825 31	1703.735 81	1670.745 81	6943.778 71	248.2545 79	303.3090 96	265.5017 57	259.5597 92	1076.625 22	6.972935 7	8.422619 46	7.235730 52	6.995044 99	29.62633 07	NonEnzyme Reg
14.67942 65	31.30627 67	0.639075 12	1.467236 83	48.09201 52	2325.477 07	4898.889 37	106.7768 59	228.9762 29	7560.119 53	340.7414 38	724.7472 19	15.15012 78	33.95779 92	1114.596 58	9.710898 22	20.45146 82	0.450919 21	0.951915 62	31.56520 12	NonEnzyme Reg
3.292109 87	20.01440 57	20.92533 9	4.362781 61	48.59463 62	490.0714 1	2989.649 34	3060.308 95	631.6010 25	7171.630 73	75.60725 93	459.8292 03	478.0274 98	99.08536 26	1112.549 32	2.191131 21	13.08379 44	13.46043 27	2.720545 05	31.45590 34	NonEnzyme Reg
1.175953 91	13.38233 17	21.87036 75	13.11505 88	49.54371 2	184.3210 68	2114.651 19	3442.195 5	2095.888 24	7837.056	27.23961 31	310.5716 11	506.5372 93	304.5033 11	1148.851 83	0.775900 47	8.820199 19	14.24019 47	8.509265 47	32.34555 98	NonEnzyme Reg
2.009581 48	5.182693 13	16.55372 66	18.47433 4	42.22033 52	295.6775 86	777.9493 39	2502.972 55	2803.139 49	6379.738 96	46.65488 78	120.1350 8	383.5514 95	426.9536 43	977.2951 06	1.280546 78	3.280869 77	10.55792 41	11.64796 59	26.76730 66	NonEnzyme Reg
4.072608 75	25.97892 04	14.62093	3.144696 32	47.81715 55	622.3099 86	4014.231 11	2222.385 39	473.4044 76	7332.330 96	93.91267 13	600.3883 09	336.5432 78	72.27817 38	1103.122 43	2.635952 8	16.93524 85	9.452420 72	2.016178 87	31.03980 08	NonEnzyme Reg
1.871313 46	15.23344 51	23.93542 28	5.422361 35	46.46254 27	282.1089 89	2279.351 38	3568.115 17	785.6396 75	6915.215 21	42.84066 13	348.8703 83	547.6784 28	123.5236 24	1062.913 1	1.191561 04	9.749689 04	15.24459 97	3.460474 17	29.64632 39	NonEnzyme Reg
4.300653 06	25.17811 77	15.41078 48	3.483857 46	48.37341 3	617.9759 41	3691.077 67	2322.461 71	531.6136 73	7163.128 99	97.72145 41	576.1275 79	354.1290 34	80.32141 96	1108.299 49	2.721307 5	16.21422 4	9.944693 37	2.221972 98	31.10219 78	NonEnzyme Reg
1.044055 06	17.58007 71	21.36279 03	7.236992 61	47.22391 51	160.2699 25	2589.350 57	3197.010 63	1095.119 26	7041.750 39	24.09995 41	402.3766 26	490.0288 38	166.1421 36	1082.647 55	0.697200 88	11.41218 92	13.76088 64	4.605745 79	30.47602 22	NonEnzyme Reg
11.69502 3	12.63457 08	12.99005 42	10.07322 08	47.98976 57	1713.536 45	1867.804 96	1858.771 15	1455.475 31	6979.508 26	266.9356 22	288.3603 79	294.5894 97	229.0729 81	1092.411 03	7.250081 71	7.887344 2	7.964041 54	6.170454 33	29.62099 13	NonEnzyme Reg
2.470874 9	12.08323 32	25.28914 89	10.44199 93	50.28525 62	408.6902 59	1972.945 54	4002.696 26	1685.353 43	8069.685 5	58.20780 79	282.9996 96	586.3476 49	243.1704 13	1170.725 57	1.689753 28	8.083147 81	16.35285 92	6.785130 69	32.91089 1	NonEnzyme Reg
0.898047 03	26.66305 76	18.23283 79	3.649849 01	49.44379 15	139.4668 59	4152.068 68	2803.734 87	554.5476 14	7649.818 02	20.77020 18	617.1663 8	420.5153 07	83.92172 27	1142.373 61	0.596897 71	17.53618 22	11.82030 56	2.356875 51	32.31026 1	NonEnzyme Reg
0.387540 04	8.301166 35	23.20809 58	15.91244 18	47.80924 39	66.14270 37	1298.634 82	3606.452 58	2445.248 31	7416.478 41	9.132426 01	193.2137 08	538.7784 9	367.8272 14	1108.951 84	0.253761 34	5.491638 54	15.25906 33	10.32904 78	31.33351 1	NonEnzyme Reg
2.760746 69	17.73079 3	17.14962 64	9.600252 44	47.24141 85	433.7358 51	2757.518 04	2666.541 93	1456.433 51	7314.229 32	64.08814 59	408.9230 81	394.3380 88	220.6381 47	1087.987 46	1.762185 62	11.17153 86	10.84342 33	6.204793 42	29.98194 09	NonEnzyme Reg
5.786099 63	15.11689 59	17.84721 34	9.155412 33	47.90562 12	851.7700 61	2262.152 32	2667.323 49	1391.041 35	7172.287 21	132.1682 75	346.8230 84	409.3989 39	210.5892	1098.979 5	3.699957 71	9.782531 53	11.52110 52	5.905735 08	30.90932 95	NonEnzyme Reg
1.390884 39	22.24368 25	16.32130 29	6.435627 15	46.39149 7	214.0536 14	3303.407 05	2427.461 71	943.3578 51	6888.280 22	32.24326 19	510.4079 66	373.9048 63	147.5010 07	1064.057 1	0.940735 98	14.60620 36	10.55708 45	4.142605 71	30.24662 97	NonEnzyme Reg

2.22107039	11.0745679	25.6842947	10.7186505	49.6985834	342.004974	1691.32826	3934.00745	1661.85995	7629.20064	51.6581767	255.75214	592.039227	247.922936	1147.37248	1.49445409	7.27525672	16.6761737	7.02324978	32.4691343	NonEnzymeReg
4.61947697	31.2701835	10.7327597	0.81688449	47.4393047	696.507447	4635.61419	1592.96408	125.11347	7050.19919	106.237056	715.366363	245.52518	18.899729	1086.03186	3.03326245	20.1522658	6.88767713	0.54494886	30.6181542	NonEnzymeReg
1.31490764	5.79937202	21.7919085	18.1884661	47.0946543	190.284502	845.727443	3220.98402	2688.35863	6945.3546	29.9881776	132.452091	498.296912	415.266172	1076.00335	0.86344709	3.78839458	14.0739939	11.5129849	30.2388205	NonEnzymeReg
1.99367749	11.1663461	25.225995	10.4722769	48.8582955	298.914772	1686.37633	3738.8921	1547.58723	7271.77043	45.8130209	256.830033	577.691466	239.7336	1120.06812	1.31940247	7.28673742	16.2978138	6.74855441	31.6525081	NonEnzymeReg
4.60711682	18.8980281	17.9555142	8.5195395	49.980199	728.433311	2904.82276	2731.91383	1299.64702	7664.81692	107.179408	435.992733	412.195262	195.487359	1150.85476	3.05602812	12.2727401	11.46255	5.36751886	32.1588371	NonEnzymeReg
2.81024818	18.7296445	24.0199946	4.1736198	49.7335492	415.290775	2790.38961	3574.87738	629.220821	7409.77859	64.2351091	429.330059	550.424067	95.2758051	1139.26504	1.82019992	12.1917372	15.4666682	2.6093632	32.0879684	NonEnzymeReg
1.69463996	12.0101542	28.7739469	5.5516862	48.0304273	261.186893	1853.0403	4438.7486	857.404267	7410.38006	39.192194	277.608886	663.280987	128.113692	1108.19576	1.13542387	7.95544681	18.6969212	3.61032503	31.3981169	NonEnzymeReg
9.94432531	9.49645168	9.91651959	9.2974003	38.654697	1364.39084	1287.60982	1326.42964	1270.7509	5249.18121	223.302516	212.702975	221.338862	207.978499	865.322852	6.05774474	5.73305463	5.86476937	5.4359334	23.0915021	NonEnzymeReg
1.05644185	12.9442848	23.211604	9.7824417	46.9947723	162.048081	2011.94113	3519.21762	1461.181	7154.38783	24.3547336	299.032627	532.616086	223.508572	1079.51202	0.69217885	8.49628008	14.9282355	6.19171993	30.3084151	NonEnzymeReg
1.92031264	7.58396806	23.0070585	15.5830003	48.4202567	282.610598	1140.24298	3516.07681	2400.89743	7390.51775	43.9654254	174.330764	530.541279	359.32274	1115.72516	1.24746563	4.97090519	15.0964341	10.1302573	31.6617027	NonEnzymeReg
1.75528069	14.344376	19.025406	11.6876271	46.8126898	263.570578	2143.05861	2914.5557	1787.88224	7109.06713	40.3207013	328.968338	438.820945	268.889851	1076.99984	1.14831332	9.33601902	12.5002647	7.564112	30.5487092	NonEnzymeReg
2.48203597	12.5573031	23.303387	9.6428562	47.985582	389.024975	1925.21356	3533.16786	1437.41068	7284.81708	57.4524289	289.701325	536.862374	221.213119	1105.22925	1.61657628	8.23254767	15.2274605	6.22767175	31.3042562	NonEnzymeReg
4.10682419	19.2359077	22.6683893	2.5184981	48.5296193	651.541464	3011.41735	3526.96044	380.50125	7570.42051	95.2956747	445.3789	523.621435	57.801558	1122.09757	2.68824824	12.5664524	14.6772132	1.61487664	31.5467905	NonEnzymeReg
0.59668002	19.1157473	23.1286944	3.7485486	46.5896703	83.9324285	2783.09791	3342.02805	546.863108	6755.92149	13.5226464	436.12869	526.13703	85.958918	1061.74728	0.38218339	12.2974629	14.6191154	2.36736526	29.6661275	NonEnzymeReg
11.573603	21.0264016	6.7023306	7.3799173	46.6822493	1742.20013	3239.75169	1009.60947	1087.43309	7078.99438	265.255299	484.346988	153.61564	168.77422	1071.99215	7.46630059	13.5840675	4.20747013	4.62003762	29.8778758	NonEnzymeReg
1.09809462	16.554704	22.8840992	7.3904121	47.92731	168.400239	2570.07482	3555.25901	1135.7768	7429.51086	25.3966279	383.151673	529.120916	170.268461	1107.93768	0.73776356	10.9710199	14.996866	4.74887551	31.4545245	NonEnzymeReg
0.63620361	10.5023	25.2866662	12.7633284	49.1884982	96.1055429	1612.99548	3905.12828	1918.87211	7533.1014	14.6070561	241.806955	582.34002	292.109363	1130.86339	0.41869738	6.86668425	16.3563052	8.14221452	31.7839014	NonEnzymeReg
3.30914067	18.9800598	20.3527333	5.9860324	48.6279662	514.036531	2942.96803	3180.04113	941.132846	7578.17853	76.6716016	438.91623	470.35644	138.434522	1124.37879	2.17366165	12.4689781	13.1887267	3.81962505	31.6509915	NonEnzymeReg
1.81458496	17.9420258	24.8575488	4.3539946	48.9681544	290.724795	2808.54793	3856.94325	670.105698	7626.32167	42.2560511	415.152232	573.935043	100.098489	1131.44182	1.19169789	11.6858832	16.0558558	2.77789655	31.7113334	NonEnzymeReg
2.90593567	17.8832624	23.0110935	5.2364015	49.0366931	459.978073	2790.133	3548.72668	780.134963	7578.97271	67.6233155	414.260393	530.438854	119.946551	1132.26911	1.96754569	11.7559648	14.8018744	3.26989831	31.7952832	NonEnzymeReg
1.19328799	11.9947491	29.868689	4.5942582	47.6509843	177.50462	1810.05316	4447.35347	663.576137	7098.48739	27.3376464	275.634741	683.696629	104.469571	1091.13859	0.78414038	7.85933985	19.234597	2.87224915	30.7503281	NonEnzymeReg
2.03268414	14.0950281	25.2038398	7.5902959	48.9218481	322.061055	2183.65382	3884.11763	1201.70144	7591.53394	47.2717096	326.11024	582.144244	176.302923	1131.82912	1.36162946	9.32678537	16.5395538	5.00770679	32.2356754	NonEnzymeReg
4.89508208	12.3095346	10.412986	6.9171778	34.5347735	708.94326	1773.75269	1449.29812	942.432972	4874.42704	110.433387	277.966231	234.571844	156.193467	779.164929	2.87089785	7.29057032	6.21385024	4.15230391	20.5276223	NonEnzymeReg
1.91880993	9.31264827	25.2998969	11.0837655	47.6151206	305.217348	1412.59279	3872.78112	1699.2072	7289.79845	44.772121	214.774382	583.280354	255.262985	1098.08984	1.30116821	6.14746141	16.5176182	7.14783273	31.1140806	NonEnzymeReg
3.50777177	11.8812842	23.2360308	10.8299468	49.4550335	537.099337	1785.72985	3429.49982	1555.22054	7307.54955	80.9233169	273.073508	531.82776	246.320585	1132.14517	2.33245327	7.78989652	15.010628	6.92857801	32.0615558	NonEnzymeReg
3.29452484	18.3004308	20.500001	5.0966807	47.5239381	497.108487	2797.33945	3122.65684	769.036021	7235.48343	75.8555339	421.7758	471.879816	116.781133	1093.90804	2.16201281	12.0168771	13.3435449	3.25317894	30.9957141	NonEnzymeReg
4.28353581	22.0856977	15.4563703	6.1651452	47.990749	632.786877	3302.31123	2344.90404	933.644313	7213.64647	98.0382672	506.632513	355.373369	141.580431	1101.62458	2.79509228	14.2306717	9.9757851	3.97467344	30.9762226	NonEnzymeReg
2.13943022	10.9170597	28.014369	8.4502271	49.8477246	318.451074	1670.91859	4286.01843	1273.87122	7593.49471	49.098959	251.74267	645.988004	194.238193	1148.45558	1.40328382	7.18223788	18.3501974	5.47263428	32.614929	NonEnzymeReg
1.26712418	11.1439094	25.4462682	11.0905453	48.947847	211.695249	1754.10472	4006.66419	1711.49658	7683.96074	29.912136	258.762893	590.194075	256.474418	1135.34352	0.88326707	7.40406961	16.7180349	7.24973918	32.2551107	NonEnzymeReg
1.57385058	23.9755756	17.8118204	3.8362787	47.1975254	242.108946	3673.91217	2688.51196	557.387299	7161.92038	36.4215361	552.899987	408.736082	87.4603467	1085.51795	1.04865522	15.6246599	11.3218974	2.40286064	30.3980731	NonEnzymeReg
1.96885897	15.4189659	24.6850896	5.5917990	47.6647135	305.063395	2421.82942	3907.39086	849.295708	7483.57938	45.5798879	356.414701	570.751892	128.11415	1100.86063	1.30693926	10.0017221	15.8730442	3.54216623	30.7238718	NonEnzymeReg

3.2344467	11.256722	21.5749805	12.8892277	48.9553769	485.619624	1707.07346	3235.20203	1919.33858	7347.23369	74.2451205	258.585941	494.373913	295.015171	1122.22015	2.1238207	7.3208271	13.925902	8.2941531	31.664695	NonEnzymeReg
2.1686656	18.501270	24.7568043	3.4259486	48.8526904	343.66645	2771.54679	3671.57701	503.84922	7290.63953	50.437241	424.537835	565.690993	78.1519996	1118.81807	1.441832	11.996216	15.800288	2.1810314	31.419364	NonEnzymeReg
2.4089381	17.045742	21.1843005	7.0222373	47.6612185	355.16782	2527.68673	3162.74182	1032.35309	7077.94946	55.229387	390.531639	485.577319	160.557397	1091.89574	1.5468723	11.011380	13.669063	4.5343107	30.761641	NonEnzymeReg
5.2072205	30.767854	9.9212482	2.0825488	47.9788726	747.52283	4506.48582	1456.899	318.40988	7029.31754	118.77061	703.348268	226.587798	47.693534	1096.40021	3.3568740	19.900166	6.3522882	1.3094783	30.918806	NonEnzymeReg
3.2345655	18.872436	16.1249173	9.0269461	48.0388343	459.679	2684.43593	2365.75399	1362.3705	6991.95387	73.475419	428.163139	367.706873	206.92281	1094.15367	2.0684352	11.899935	10.099712	5.6770303	30.230604	NonEnzymeReg
1.5572528	11.708620	24.5945259	9.5491741	47.4095731	236.02652	1772.45839	3696.08186	1424.34873	7128.91551	35.788739	269.185154	563.965578	218.523298	1087.46277	1.0066194	7.5884807	15.789153	6.0894443	30.473698	NonEnzymeReg
1.7487189	12.447106	21.4157129	12.8388924	48.4504307	253.42655	1911.93837	3254.22611	1942.89172	7362.48275	39.763624	286.774817	491.505933	294.315756	1112.36013	1.1116146	8.1055180	13.761871	8.2088028	31.187807	NonEnzymeReg
2.6818757	14.851663	22.3322572	10.144241	50.0100378	421.05801	2293.43118	3428.14379	1562.53472	7705.1677	62.240923	342.946724	514.191672	233.121769	1152.50109	1.7941128	9.7575625	14.41519	6.443222	32.410090	NonEnzymeReg
2.3110014	12.178363	24.5895502	9.9153476	48.9942631	347.66274	1846.39753	3721.71451	1505.43025	7421.20504	53.031726	279.800387	564.261633	227.305515	1124.39926	1.4910161	7.8743870	15.756631	6.2480224	31.370057	NonEnzymeReg
0	8.6515884	22.6078708	15.073596	46.3330554	0	1338.86118	3530.79847	2299.03708	7168.69674	0	200.325547	523.229305	346.685332	1070.24018	0	5.7292260	14.798190	9.7185355	30.245952	NonEnzymeReg
3.4969014	23.022621	19.2493335	3.5113535	49.2802103	566.69716	3600.1035	2863.1601	509.28027	7539.24099	81.848379	533.230302	440.157148	79.798988	1135.03481	2.4014205	15.222761	12.292042	2.1787175	32.094948	NonEnzymeReg
3.7665582	18.790713	18.3901505	9.9523150	50.8997371	612.1178	2969.11807	2857.78044	1484.8071	7923.82341	88.228548	436.897588	425.398798	227.586083	1178.11101	2.5693539	12.565071	12.103255	6.3513554	33.589036	NonEnzymeReg
0.8328448	22.383021	16.4700556	7.8432656	47.5291878	125.74203	3519.72248	2539.74659	1182.85625	7368.06736	19.152743	518.762331	380.239161	179.949744	1098.10398	0.5454724	14.689740	10.656930	4.9626441	30.854787	NonEnzymeReg
2.7347143	14.746831	24.2542674	5.4555148	47.1913277	439.04636	2319.96623	3856.05048	870.28752	7485.3506	64.069151	343.271559	564.610223	127.20482	1099.15582	1.8634029	9.8507510	15.927306	3.5271250	31.168586	NonEnzymeReg
1.8937530	14.525546	26.9480072	5.5456757	48.9129766	299.76736	2350.64005	4296.58491	870.94553	7817.93786	44.014428	339.118352	626.464382	128.32	1137.91716	1.2746961	9.7683449	17.833909	3.5908025	32.467753	NonEnzymeReg
0	18.631403	23.2057708	5.434105	47.2712793	0	2960.30685	3563.91107	825.75482	7349.97274	0	432.476652	535.43496	125.106021	1093.01763	0	11.933790	14.796905	3.4438199	30.174515	NonEnzymeReg
2.1886026	22.472857	18.515129	5.5804054	48.7569949	346.39162	3448.47016	2778.25529	818.81379	7391.93087	51.020268	518.328443	424.626385	127.169674	1121.14477	1.4669236	14.664250	11.900398	3.4729307	31.504503	NonEnzymeReg
1.8037525	18.490743	22.1916262	5.0657797	47.551902	279.09179	2802.16204	3319.04139	753.76704	7154.06226	41.780235	426.103802	509.70892	116.160946	1093.7539	1.2014947	12.180972	14.326831	3.2584632	30.967762	NonEnzymeReg
1.8300157	16.243857	24.1860523	6.3801928	48.6401184	275.97194	2461.47099	3639.79908	947.87818	7325.12021	42.009336	373.889666	556.134465	146.182137	1118.21516	1.1717583	10.599917	15.774582	4.1077372	31.653995	NonEnzymeReg
3.0346315	12.061738	26.0663761	11.177139	52.3398857	490.96003	2033.21351	4245.34096	1816.84397	8586.35844	70.728924	283.899745	607.447695	259.960531	1222.0369	2.0296104	8.1154589	17.152901	7.2349471	34.532917	NonEnzymeReg
1.9169499	14.479707	26.964898	6.3730496	49.734605	300.49085	2210.31837	4006.23141	949.63451	7466.67515	44.613248	334.301221	618.258631	146.07483	1143.24793	1.3077576	9.5567447	17.513887	4.1093998	32.48779	NonEnzymeReg
0.9876861	17.158974	24.078895	6.4298851	48.9648723	155.29573	2697.9108	3716.74468	993.03564	7612.6318	22.933078	397.887434	556.860671	148.789479	1133.77478	0.6556679	11.296516	15.775242	4.2046382	32.143027	NonEnzymeReg
1.2621347	12.261214	25.937601	8.9956543	48.4566058	184.60406	1846.62748	3942.78527	1334.09751	7308.11433	28.872564	282.076586	597.111149	205.811171	1113.87147	0.8148273	8.0626158	16.939705	5.7097560	31.526904	NonEnzymeReg
1.7824049	10.446181	23.545587	12.292507	48.0666812	275.13664	1648.00121	3580.41502	1860.96977	7364.52264	41.106362	242.191818	540.697243	282.082713	1106.07814	1.1666572	6.9134756	15.217050	7.9078273	31.205010	NonEnzymeReg
0	13.079399	30.499289	2.3127397	45.89142	0	1864.84699	4401.37806	360.53803	6626.76309	0	299.190601	698.961791	53.845649	1051.99805	0	8.3279423	19.467758	1.5083720	29.304073	NonEnzymeReg
1.720411	9.1619299	24.652870	12.521466	48.0566779	270.89775	1421.81726	3823.85019	1912.40454	7428.96974	39.925407	211.270728	568.535603	287.244908	1106.97665	1.1311856	5.9276308	15.964808	7.9200892	30.943714	NonEnzymeReg
11.958074	11.797860	12.838672	13.28521	49.879825	1819.6036	1801.34404	1894.02643	1944.60301	7459.57711	274.11608	270.977541	292.644518	302.053075	1139.79122	7.5253989	7.4941212	8.0796951	8.4221831	31.521398	NonEnzymeReg
2.6617083	15.416278	25.742417	5.4594092	49.279813	444.92281	2456.08917	3998.14396	817.63857	7716.79452	62.965120	359.399836	595.646895	125.270526	1143.28238	1.8549988	10.330140	16.866657	3.4911493	32.542946	NonEnzymeReg
0.2581005	16.474243	24.195931	5.8294077	47.042881	35.616523	2553.10827	3701.05578	880.61592	7221.72119	5.8220547	381.29736	557.872498	133.710341	1085.45934	0.1623787	10.893592	15.743021	3.7001583	30.680429	NonEnzymeReg
9.9419683	13.523894	13.368768	7.2838650	44.118495	1460.4105	1941.09859	1885.73186	1014.7863	6302.02735	227.15640	307.111158	302.16671	164.160808	1000.59508	6.3441472	8.4880846	8.2929546	4.4759017	27.601088	NonEnzymeReg
1.8774595	10.830116	22.724339	13.927070	49.614678	289.38990	1681.81752	3480.68528	2063.45224	7551.6078	43.566982	251.043184	524.190336	318.788868	1143.39131	1.2659973	7.1824995	14.853083	8.9580672	32.421656	NonEnzymeReg

2.02394107	8.76784603	22.6032565	14.6639747	48.0590184	315.907033	1346.86993	3475.26202	2260.01475	7398.05373	47.0084121	202.656585	521.484913	337.833268	1108.98318	1.36377492	5.7947385	14.6711308	9.40226588	31.2319101	NonEnzymeReg
3.75018139	22.0652032	21.6189763	1.07433169	48.5086925	587.53848	3376.09355	3196.68142	158.201043	7318.51448	87.0386403	509.502933	494.891535	24.5089427	1115.94205	2.4903241	14.5206626	13.9152063	0.67843875	31.6046318	NonEnzymeReg
1.65257556	9.17986208	27.6070858	9.89770071	48.3372242	260.379369	1441.44952	4328.26324	1492.25214	7522.34427	38.3824792	213.331586	640.914387	227.565867	1120.19432	1.09928315	6.1120932	18.2160514	6.37588363	31.8033115	NonEnzymeReg
4.57353983	27.2235481	15.1876746	1.96246799	48.9472305	720.192138	4191.5784	2336.44775	299.869721	7548.08801	105.77832	626.481476	349.608609	45.28737	1127.15579	2.9722488	17.4999638	9.78763893	1.28974705	31.5495986	NonEnzymeReg
1.89842597	11.13616538	23.0993803	10.0816656	46.2156357	270.990458	1589.85495	3389.37348	1500.08214	6750.30103	43.1563099	253.176493	527.779183	231.256518	1055.3685	1.21776072	7.0961793	14.5380247	6.47392467	29.3258894	NonEnzymeReg
5.34770581	18.5452119	17.7434339	7.1474194	48.783771	815.799906	2840.04164	2666.01648	1057.60196	7379.45998	122.551173	425.396748	405.803652	163.231015	1116.98259	3.36750728	11.6863543	11.1848049	4.52854865	30.7672151	NonEnzymeReg
3.32398906	18.1870892	20.2082084	6.02078988	47.7400765	490.648804	2713.78093	3013.14841	901.93935	7119.51749	76.0537913	416.063913	462.660751	137.95212	1092.73058	2.17524479	11.6682717	12.9542978	3.86790294	30.6657172	NonEnzymeReg
2.70403289	17.9311357	25.2156147	3.09420632	48.9449895	404.55932	2733.63166	3805.27127	454.109422	7397.57167	62.0542446	412.753069	579.795274	70.9301881	1125.53278	1.74580126	11.6964362	16.4458083	2.00307284	31.8911186	NonEnzymeReg
4.91542773	20.980102	18.2665619	6.20557387	50.3676656	705.078004	3039.78624	2657.84435	926.882512	7329.5911	111.735044	478.092068	416.212076	142.11339	1148.15258	3.13931074	13.3434839	11.4614856	3.87565401	31.8199343	NonEnzymeReg
4.27270646	27.6966764	13.9691443	4.76567383	50.704201	679.298055	4306.31262	2150.6218	804.931842	7941.16431	99.5404335	642.64114	322.754299	112.307938	1177.24381	2.89232192	18.5440325	9.13292793	3.18919455	33.7584769	NonEnzymeReg
1.267417	10.6590973	26.5551504	8.89327183	47.6466228	186.282665	1605.47753	4049.70393	1389.74866	7275.37441	28.9301006	244.60355	611.122901	205.767846	1096.77459	0.81518386	6.8580772	17.0937854	5.77043139	30.7194525	NonEnzymeReg
8.96639078	15.9566941	14.4487731	9.44558716	48.817445	1334.60072	2285.78659	2047.21123	1352.7764	7020.37494	205.174594	362.379703	327.344542	215.076388	1109.97523	5.70757211	10.0285821	9.02112534	5.95353244	30.7108132	NonEnzymeReg
2.31060448	14.8043333	22.3313173	9.37183765	48.8180928	346.585739	2227.04356	3374.04413	1388.06244	7335.73586	53.1241164	340.45262	513.362464	214.338536	1121.27774	1.51858564	9.6789961	14.5546867	6.02218548	31.774454	NonEnzymeReg
5.93876856	25.4794349	14.6935435	2.05985135	48.1715983	925.891146	3943.84846	2235.13105	313.20943	7418.08009	137.671447	588.786562	338.148079	47.502075	1112.10816	3.93081039	16.6231336	9.48431678	1.32693625	31.365197	NonEnzymeReg
2.33222522	15.6311657	26.7947251	3.31875489	48.0768709	342.579284	2316.71234	4011.36963	489.791842	7160.45309	53.4153255	358.153359	614.368321	75.686152	1101.62316	1.53256452	10.0888349	17.1336701	2.09471556	30.849785	NonEnzymeReg
3.94752173	19.61746	13.2075497	10.8426538	47.6151852	577.185044	2884.59085	1965.40225	1580.57906	7007.75721	89.7411008	447.27403	301.730641	246.404775	1085.15055	2.46489224	12.2654811	8.33988916	6.72973011	29.7999927	NonEnzymeReg
2.864783	14.5247342	20.6628881	12.2869475	50.3393527	446.913318	2223.3445	3101.36638	1880.93898	7652.56317	65.9933868	333.908857	473.961111	283.227801	1157.09116	1.83240964	9.3844327	13.4339071	8.03164775	32.6823973	NonEnzymeReg
2.78172728	10.5774387	22.0399455	12.5325308	47.9316423	416.791768	1593.43069	3268.28666	1881.44436	7159.95347	63.7151212	242.548586	503.531174	286.606206	1096.40109	1.80879522	6.8000693	13.974767	7.90994769	30.4935185	NonEnzymeReg
4.93455666	13.8238216	17.9994996	10.6060724	47.3639466	721.730464	2031.411	2676.30125	1559.7433	6989.18602	113.099109	316.711872	413.488257	242.803752	1086.10299	3.21745322	8.9680749	11.7675792	6.86796673	30.8210747	NonEnzymeReg
2.17012228	15.4064253	20.9200698	7.67665613	46.1732741	326.113229	2306.09502	3082.70109	1102.85409	6817.76343	49.9269041	353.877695	478.457383	174.474518	1056.7365	1.41935229	10.005829	13.4415698	4.87425027	29.7410024	NonEnzymeReg
4.63258539	26.7890727	11.5606648	3.08690118	46.069224	685.394255	4127.18909	1758.9051	468.988624	7040.47707	106.45964	620.828321	267.112526	71.2938613	1065.69435	3.06447784	17.8080978	7.51107147	1.99329408	30.3769412	NonEnzymeReg
2.79037936	18.1230884	22.9512463	4.06461978	47.9293338	425.852519	2793.67572	3493.41233	592.481277	7305.42185	64.3347497	418.953479	528.205856	92.6482368	1104.14232	1.81821962	11.9213917	14.8697903	2.60255659	31.2119582	NonEnzymeReg
3.83316552	24.8276375	17.3704277	2.24998243	48.2812131	577.268973	3833.3623	2712.71402	350.832836	7474.17813	88.6110481	574.587572	401.805709	51.6746313	1116.67896	2.55638608	16.3834281	11.2760828	1.39630589	31.6122029	NonEnzymeReg
5.14837105	17.455384	19.2942978	8.39975326	50.2978063	872.358136	2916.47975	3173.2333	1346.34316	8308.41435	122.124344	411.820269	453.463614	195.572741	1182.98097	3.51046634	11.7252385	12.8879516	5.474932	33.5985883	NonEnzymeReg
2.68074344	13.2947925	23.2129343	9.45034702	48.6388173	401.639583	2027.47872	3515.77578	1383.86371	7328.75779	61.4015782	306.205487	533.432149	215.325484	1116.3647	1.71890377	8.6947084	15.0638453	5.9645999	31.4420574	NonEnzymeReg
2.19721785	32.4176963	12.3060817	1.66768445	48.5886803	326.820919	4838.75523	1849.43765	246.240426	7261.25423	50.2076013	743.290007	282.963628	38.3857922	1114.84703	1.41005451	20.9670731	7.93710279	1.03174424	31.3459746	NonEnzymeReg
5.412863	27.0412986	15.0385414	1.29183608	48.7845391	877.583056	4307.35271	2427.34921	197.769823	7810.05479	127.024205	630.123681	351.089529	29.8966442	1138.13406	3.71934448	18.0984143	9.96515212	0.83868347	32.6215944	NonEnzymeReg
4.26684482	19.7539673	22.815092	2.43822904	49.2741332	658.724478	3089.96183	3440.92202	364.275788	7553.88412	98.5890398	457.021423	523.121112	55.5824635	1134.31404	2.81946886	12.8960052	14.6324788	1.51370437	31.8616572	NonEnzymeReg
0.68658422	9.71441986	26.9932705	10.151064	47.5453386	99.2872166	1413.01701	4056.66528	1523.29883	7092.26834	15.6507882	221.557761	619.751565	232.990315	1089.95043	0.44639297	6.3062101	17.5414532	6.58079451	30.8748507	NonEnzymeReg
5.33808944	28.9536009	10.7992036	2.36310541	47.4539993	807.33282	4381.02001	1673.08249	350.186319	7211.62164	122.71433	665.306699	249.500018	54.1515134	1091.67256	3.50756677	18.6678359	6.91458922	1.47111508	30.5611069	NonEnzymeReg
3.52214825	22.5827153	17.8187611	2.86197032	46.785595	484.394825	3131.19709	2467.12705	389.973095	6472.69205	79.3394266	509.404698	401.823548	64.819936	1055.38761	2.23264297	14.2892065	11.1313302	1.85897691	29.5121566	NonEnzymeReg

0	10.3788262	27.0243613	12.5096244	49.9128118	0	1608.43938	4167.61338	1925.64664	7701.69941	0	240.553148	625.315401	289.105923	1154.97447	0	6.89536072	17.7284644	8.12778636	32.7516115	NonEnzymeReg
1.4895163	11.0762422	27.7890021	9.23489981	49.5896609	240.660437	1742.93877	4374.7086	1423.93719	7782.245	34.9667715	257.584312	645.207152	213.153791	1150.91203	1.0180234	7.38851079	18.3902205	5.98512453	32.7818792	NonEnzymeReg
1.1759539	13.3823317	21.8703675	13.1150588	49.543712	184.321068	2114.65119	3442.1955	2095.88824	7837.056	27.2396131	310.571611	506.537293	304.503311	1148.85183	0.7759004	8.82019919	14.2401947	8.50926547	32.3455598	NonEnzymeReg
1.4572879	10.7405068	22.3516816	12.813872	47.3633485	221.551785	1618.99411	3298.8762	1883.70919	7023.13128	33.6610451	247.3485	511.654661	292.760261	1085.42447	0.9585407	7.0392049	14.4003338	8.17719565	30.5752751	NonEnzymeReg
1.3137012	16.3098268	24.9331984	6.95369758	49.510424	213.353059	2610.94503	3881.36678	1081.52717	7787.19203	30.7404	379.992852	577.630592	160.965152	1149.329	0.8950146	10.9091286	16.4269482	4.57265045	32.803742	NonEnzymeReg
1.4880377	12.9232021	22.6823585	9.94630788	47.0399063	226.320184	2005.4479	3484.93288	1482.30802	7199.00898	34.3037143	298.92786	523.244016	227.911874	1084.38746	0.9637375	8.4689178	14.7587612	6.37323953	30.564656	NonEnzymeReg
7.6415378	15.4355138	18.598641	9.86602527	51.5417179	1156.80353	2389.32066	2942.86677	1527.89168	8016.88264	175.721757	356.628621	431.691504	227.51861	1191.56049	4.9712162	10.1223926	12.2573728	6.36323151	33.7142095	NonEnzymeReg
3.3661142	9.8144874	25.3204085	7.67812285	46.17913	522.083268	1441.43121	3675.53167	1145.77948	6784.82563	77.91749	224.482346	577.188882	175.863852	1055.45258	2.2427483	6.37513978	16.0838646	4.81441035	29.5161631	NonEnzymeReg
3.0879563	17.1965482	24.6262655	4.08223293	48.993003	489.944239	2729.71557	3858.1613	651.82065	7729.64176	71.96467	400.803448	570.485577	94.7365951	1137.99029	2.0802647	11.536941	16.0788372	2.62316825	32.3192115	NonEnzymeReg
3.3189785	24.5072308	14.5908732	7.10444655	49.5215292	518.104295	3829.02056	2268.45665	1075.2757	7690.8572	77.06011	568.037397	337.083025	163.04446	1145.225	2.2530617	16.325178	9.4733857	4.50424558	32.5558713	NonEnzymeReg
2.2409063	10.9215523	14.4665089	17.7024857	45.3314532	348.092442	1625.49463	2130.53278	2591.9241	6696.04396	52.00901	250.37005	330.007806	403.201991	1035.58887	1.5005026	7.0596353	9.1947991	11.14233248	28.8972718	NonEnzymeReg
2.6198070	12.6824426	23.1895446	10.1850997	48.676894	413.109893	1982.51092	3581.55579	1590.22141	7567.398	60.82971	293.95666	535.773637	235.878844	1126.43886	1.7312604	8.3751621	15.1622266	6.65662507	31.9252743	NonEnzymeReg
2.4001718	13.0308727	28.5727386	5.02213185	49.025915	367.828368	2029.58546	4317.88205	785.17668	7500.47256	55.46288	302.168831	657.889153	116.219562	1131.74043	1.5830524	8.6893297	18.6467785	3.2745277	32.1936884	NonEnzymeReg
0.3592251	11.0550908	23.2213495	14.5075099	49.143175	56.9669668	1704.96514	3586.80915	2271.24746	7619.98871	8.363072	255.950538	536.138468	335.355758	1135.80784	0.2444002	7.3779184	15.1645398	9.33232902	32.1191875	NonEnzymeReg
10.197663	13.4852391	12.1251856	13.6173069	49.425395	1433.32168	1915.78989	1764.08902	2057.63672	7170.8373	230.7715	306.043935	276.330079	313.023698	1126.16929	6.4602254	8.5776745	7.7774902	8.80795937	31.6233497	NonEnzymeReg
1.2824287	9.9163795	26.7637075	10.3010829	48.263598	207.586811	1586.6945	4137.30151	1578.32154	7509.90436	29.93306	230.83013	618.244255	237.426221	1116.43367	0.8477062	6.5581592	17.449307	6.64542041	31.5005938	NonEnzymeReg
0.3281987	17.5526502	23.8457957	7.22772801	48.954372	49.104538	2644.92492	3572.07483	1054.35222	7320.45651	7.561288	404.425539	548.044373	165.009249	1125.04045	0.2202813	11.568757	15.490693	4.57431666	31.8540544	NonEnzymeReg
2.4070897	24.9281177	15.0969937	5.55709828	47.989294	375.3962	3977.86643	2375.645	849.11996	7578.0276	55.82434	579.369172	349.61615	127.80548	1112.61516	1.6071416	16.450558	9.8334057	3.54995542	31.4410615	NonEnzymeReg
0.4109036	8.2734322	24.8118593	14.2146755	47.710870	66.940947	1298.88843	3918.29806	2189.10517	7473.23261	9.5838076	192.147548	576.700953	327.998662	1106.43097	0.2694458	5.5045901	16.435208	9.19009187	31.3993366	NonEnzymeReg
8.4620056	32.0374255	5.9074551	1.54199385	47.94888	1244.05756	4781.80194	864.80426	228.47663	7119.14072	193.5401	735.172902	134.90657	35.341279	1098.9609	5.5022356	20.838490	3.7603586	0.98534066	31.0864256	NonEnzymeReg
3.555966	20.1424364	21.226409	5.39278918	50.317605	551.001854	3202.08971	3299.82415	815.34939	7868.26511	82.42275	469.210272	492.033157	124.126165	1167.79235	2.3718468	13.494943	13.922843	3.48651368	33.276141	NonEnzymeReg
6.0745856	22.2006967	15.9287034	4.75300234	48.956981	931.849729	3460.94875	2399.5582	682.56805	7474.92473	140.1522	514.131911	365.535698	107.97547	1127.79538	4.0292246	14.685843	10.241581	2.97700765	31.9336645	NonEnzymeReg
3.8859594	21.4043081	21.9517691	1.25752522	48.499561	623.04517	3323.82896	3268.21635	195.62363	7410.71412	90.52064	495.542284	503.305916	29.128076	1118.49692	2.5500672	14.01491	14.161035	0.83265345	31.558671	NonEnzymeReg
1.8960613	9.2362638	22.9675307	10.7744668	44.874327	289.315338	1416.29854	3465.88199	1585.53447	6757.03033	43.94736	213.390656	528.083008	245.717716	1031.13874	1.2113493	5.9408398	14.522513	6.67072954	28.345432	NonEnzymeReg
1.6734767	15.3370015	22.7776273	7.32896103	47.117066	246.162445	2280.12164	3399.92225	1102.97728	7029.18361	38.36537	351.747191	522.179922	168.428933	1080.72142	1.0925707	9.9167984	14.659401	4.73588492	30.404657	NonEnzymeReg
3.7728667	22.5955733	15.415705	4.85061009	47.183844	582.485885	3479.41941	2377.51319	736.33581	7256.56648	87.44367	523.079082	355.712281	111.834788	1090.60986	2.4531077	14.585577	9.8387299	3.12710023	30.353085	NonEnzymeReg
4.3646587	24.8244165	17.4638718	2.02431534	48.805117	723.378535	3846.06161	2666.14471	294.00722	7548.39128	102.7670	573.704996	402.491866	45.973994	1127.8474	2.9846814	16.188499	11.400313	1.25881295	31.911463	NonEnzymeReg
4.7968884	31.1145261	11.1063993	1.68463311	48.702447	804.510384	5059.97341	1822.16148	235.34009	7921.98536	113.2190	727.227206	260.590155	38.659846	1139.69623	3.1967899	20.334542	7.3355404	1.08489219	31.951765	NonEnzymeReg
2.8138206	10.7070585	27.8627829	5.60651505	46.990171	423.421988	1616.30742	4281.14242	877.97507	7198.84691	64.60121	245.707708	640.624406	129.15412	1080.08754	1.8435816	6.9506097	17.899547	3.54845699	30.242196	NonEnzymeReg
1.8004385	19.3041889	21.1932464	6.91315658	49.211030	281.551294	3027.02893	3322.8234	1107.06982	7738.47343	41.63406	446.713964	489.901822	160.570488	1138.82034	1.1833893	12.658027	13.763524	4.47302516	32.077965	NonEnzymeReg
1.0237846	14.301943	20.5786019	13.5438148	49.448144	148.693706	2155.47529	3175.98452	2104.57602	7584.72955	23.40939	329.484251	476.654878	313.692651	1143.24117	0.6562852	9.2355729	13.393196	8.75723545	32.042290	NonEnzymeReg

2.62668062	16.424325	23.5537064	5.94084709	48.545559	401.408705	2553.15604	3571.94446	865.929115	7392.43832	60.6610178	380.374133	541.950299	135.443154	1118.4286	1.75676911	10.9335522	15.2926097	3.76866408	31.751595	NonEnzymeReg
1.30158617	25.6546467	19.0710752	2.44292453	48.4702326	195.923617	3877.38999	2834.96112	351.440859	7259.71558	29.9238397	588.804687	436.029144	55.7201987	1110.47787	0.85418766	16.6046174	12.1222768	1.53995964	31.1210415	NonEnzymeReg
2.32941041	14.1040867	26.7670347	6.62149594	49.8220277	347.293439	2179.00095	4081.36988	978.587685	7586.25195	53.4769988	325.93159	616.136056	151.269025	1146.81367	1.53611539	9.34039074	17.4645025	4.24991225	32.5909209	NonEnzymeReg
2.01159936	19.9258888	19.2735939	6.71670665	47.9277887	308.622345	2954.20492	2851.58355	1002.20104	7116.61186	46.2237781	455.287017	440.834016	153.811395	1096.15621	1.26346313	12.6436542	12.3172427	4.25422054	30.4785806	NonEnzymeReg
4.23595245	25.4365337	17.9331526	2.08476103	49.6903999	677.450147	3880.55442	2708.44457	314.484288	7580.93342	98.9570099	585.978235	411.068599	48.1488273	1144.15267	2.88475493	16.686902	11.4594105	1.37770786	32.4087753	NonEnzymeReg
2.43514439	14.4914098	25.7286874	4.30765434	46.9628959	348.767352	2131.24719	3763.40876	617.070617	6860.49391	55.4676927	331.863585	587.929744	97.8845767	1073.1456	1.59293342	9.4028065	16.4760783	2.68851217	30.1603304	NonEnzymeReg
1.47476703	13.8501843	23.7523749	9.77116141	48.8484876	225.084975	2126.54527	3691.2492	1514.33621	7557.21565	34.0129829	319.962439	549.125958	225.120533	1128.22191	0.96767304	9.1050651	15.4701486	6.25706808	31.7999519	NonEnzymeReg
2.80691845	17.2344908	21.5499619	5.20479133	46.7961625	433.874337	2678.61063	3300.99817	798.82768	7212.31081	64.8884671	399.088303	496.48449	120.215585	1080.67684	1.84961438	11.3253913	13.9452765	3.40355717	30.5238393	NonEnzymeReg
5.53535601	27.2209908	13.32868	1.56941626	47.6544431	840.224243	4069.83001	2041.92544	236.296723	7188.27641	127.583105	623.848183	306.939795	36.1691947	1094.54028	3.68193998	17.4971034	8.54950532	1.02335359	30.7519023	NonEnzymeReg
2.47753953	17.5151043	23.6068513	2.86366114	46.4631563	372.008995	2632.49953	3498.52269	409.668614	6912.69982	56.8424401	401.741402	539.569668	65.05576 28	1063.20927	1.61413081	11.2765234	15.0426802	1.82034251	29.7536769	NonEnzymeReg
1.94974904	5.66339949	21.4465903	15.0995548	44.1592936	279.532516	806.136795	3077.90334	2178.69843	6342.27108	44.5715063	129.570606	489.694121	344.42304	1008.25927	1.26398614	3.6339646 4	13.7559146	9.68714527	28.3410107	NonEnzymeReg
8.75486242	30.5791451	7.95411812	4.78501274	52.0731384	1425.8898	4665.78716	1246.20458	771.572931	8109.45447	204.313435	703.846074	183.775048	110.952039	1202.8866	5.81773564	19.8386236	5.13407339	3.08153637	33.871969	NonEnzymeReg
9.22629216	19.8444437	14.662782	5.14442118	48.8779391	1430.45188	3079.01834	2172.19514	735.427779	7417.09314	212.966807	458.391929	335.923862	117.378219	1124.66082	6.03042076	12.9654248	9.45756 25	3.28774632	31.7411543	NonEnzymeReg
4.04573892	20.4169383	21.2063187	3.05425179	48.7232478	630.312864	3153.4668	3201.94609	447.814825	7433.54058	93.7920018	471.85453	486.404229	69.3793596	1121.43012	2.69179397	13.4702277	13.575855	1.86365729	31.601534	NonEnzymeReg
1.97117958	13.4566901	23.8680811	10.475414	49.7713654	305.111869	2130.79747	3786.82744	1611.7525	7834.48928	45.6326205	312.656062	553.869075	241.379088	1153.53685	1.30912109	8.8845357 1	15.6070572	6.75216137	32.5528753	NonEnzymeReg
0.78866238	20.3912411	20.8376821	7.68956922	49.7071549	132.004872	3111.56248	3109.54431	1153.29945	7506.41111	18.5981188	469.826924	477.256737	175.928121	1141.6099	0.54560219	13.3943508	13.3508726	4.85875797	32.1495835	NonEnzymeReg
4.73540335	28.4599325	10.7070171	1.92083315	45.8231861	699.96225	4278.29649	1648.33221	338.21577	6964.80672	108.125352	652.434075	246.237964	45.4821959	1052.27959	3.04323015	18.2736809	6.78434471	1.23558147	29.3368453	NonEnzymeReg
1.70582989	15.0703211	23.8763817	7.74249989	48.3950326	282.584925	2474.07739	3765.98461	1155.87863	7678.52556	40.4077091	354.644823	555.303912	177.506792	1127.86324	1.19880737	10.3534077	15.9541911	4.94747672	32.4538828	NonEnzymeReg
15.4946004	13.4552724	11.0392528	6.44481977	46.4339454	2191.38928	1951.9377	1586.67305	902.497816	6632.49784	350.20191	306.04303	251.354819	145.89748	1053.49724	9.65054102	8.4906128 4	7.07788387	4.14813475	29.3671725	NonEnzymeReg
8.44622047	34.0018661	3.39587375	2.5463974	48.3903577	1273.67319	5237.2165	506.966003	390.533702	7408.38939	194.059255	785.480449	77.8489512	58.7233342	1116.11199	5.48765 77	22.2591001	2.18861085	1.65610 69	31.5914755	NonEnzymeReg
1.37549518	9.6189735 9	21.4740731	17.4993378	49.9678797	211.619837	1499.18646	3296.24873	2647.72789	7654.78291	31.7937508	222.744229	495.650175	402.544298	1152.73245	0.91237621	6.3850113 2	14.1221371	11.3878462	32.8073708	NonEnzymeReg
2.96724982	18.0792812	18.7420451	10.9595561	50.7481322	473.956482	2820.78989	2826.06899	1672.95709	7793.77246	69.1178493	418.406883	430.813399	252.609805	1170.94794	1.97350195	11.8449193	12.2213803	7.11601108	33.1558126	NonEnzymeReg
3.30170576	17.5090789	22.6224054	6.09852087	49.5317109	501.170173	2701.18685	3449.37646	933.78547	7585.51895	75.934055	404.312398	520.79461	140.340439	1141.3815	2.15568705	11.4632569	14.6685354	3.92090407	32.2083834	NonEnzymeReg
2.16866516	18.5012707	24.7568043	3.42594986	48.8526904	343.666451	2771.54679	3671.57701	503.849282	7290.63953	50.437241	424.537835	565.690993	78.1519996	1118.81807	1.441832	11.9962169	15.8002888	2.18103148	31.4193684	NonEnzymeReg
4.87859958	15.8247792	23.9826294	4.94172908	49.6277373	712.199188	2324.04106	3582.67944	764.014766	7382.93446	111.473892	361.609868	548.646935	114.013932	1135.74463	3.18883996	10.1337762	15.1965852	3.16696973	31.6861711	NonEnzymeReg
4.26684482	19.7539673	22.815092	2.43822904	49.2741332	658.724478	3089.96183	3440.92202	364.275788	7553.88412	98.5890398	457.021423	523.121112	55.5824635	1134.31404	2.81946886	12.8960052	14.6324788	1.51370437	31.8616572	NonEnzymeReg
9.81291131	8.2902259 6	10.846769	10.7285911	39.6784974	1448.02286	1228.17982	1615.35461	1597.91769	5889.47497	225.042377	190.280723	249.221981	246.470134	911.015215	6.31965 78	5.3281759	6.94756485	6.85536724	25.4507475	NonEnzymeReg
8.55680955	25.5451198	11.5447468	1.49484831	47.1415245	1290.86688	3802.08874	1707.18021	223.86096	7023.99679	195.867635	583.673594	262.791836	34.2860831	1076.61915	5.44239289	16.1906755	7.20493913	0.95784448	29.795852	NonEnzymeReg
1.77603884	12.4467905	27.8770276	6.95721352	49.0570704	270.000482	1959.28782	4417.12441	1124.47693	7770.88965	40.7959528	288.341828	646.50565	162.342941	1137.98637	1.15111349	8.1822913 5	18.2593785	4.58734664	32.18013	NonEnzymeReg
3.18876257	17.6671783	15.4483474	12.3509969	48.6552852	481.276284	2716.94577	2389.4206	1860.9672	7448.60985	73.2472012	407.084675	356.619864	283.241708	1120.19345	2.07876905	11.3642317	9.94858374	7.75073884	31.1423234	NonEnzymeReg
5.57599598	23.9768128	15.5077662	3.35256545	48.5881616	848.481261	3650.24534	2398.92821	507.497925	7434.17522	128.200346	551.877935	357.955793	76.9632958	1119.09113	3.59348622	15.5634407	10.0879653	2.14922858	31.5116169	NonEnzymeReg

4.645617 44	26.02191 65	14.02632 55	1.246543 4	45.94040 28	659.2275 17	3724.006 79	2021.182 32	191.8002 13	6596.216 84	105.4898 76	592.3083 17	319.5350 62	28.81161 78	1046.144 87	2.927638 82	16.59716 97	8.943001 19	0.794915 3	29.26272 5	NonEnzyme Reg
2.608128 13	11.06208 6	25.89837 77	9.157718 67	48.72631 05	422.2444 08	1711.403 63	3934.547 14	1443.341 76	7511.536 95	60.78602 97	255.1737 84	595.2571 37	212.5036 22	1123.720 57	1.745749 56	7.212017 51	16.67816 79	5.989529 42	31.62546 44	NonEnzyme Reg
0.975110 02	16.52763 93	12.80217 21	10.13330 38	40.43822 52	132.6989 66	2284.018 31	1786.114 01	1394.014 32	5596.845 6	22.18911 73	374.3247 07	291.2265 25	230.2538 17	917.9941 66	0.591613 37	9.977362 38	7.813379 4	6.142584 77	24.52493 99	NonEnzyme Reg
0	13.41563 07	26.01391 37	10.88095 78	50.31050 22	0	2138.196 81	4083.824 56	1665.607 98	7887.629 34	0	311.9435 4	601.3878 98	250.6781 05	1164.009 54	0	8.830643 67	16.78386 36	6.940640 15	32.55514 74	NonEnzyme Reg
2.279238 19	16.98202 49	18.18682 56	10.10892 59	47.55701 46	360.3286 95	2669.099 06	2762.795 65	1510.670 51	7302.893 91	52.77196 05	393.6830 32	418.5329 12	231.5269 1	1096.514 81	1.489131 12	11.12407 91	11.83904 83	6.508941 35	30.96119 99	NonEnzyme Reg
0	16.85928 11	23.13183 85	7.595436 66	47.58655 63	0	2494.349 78	3463.237 72	1151.246 93	7108.834 44	0	385.5489 04	529.5570 93	174.1551 01	1089.261 1	0	10.93693 65	14.80056 59	4.808464 56	30.54596 7	NonEnzyme Reg
1.531965 57	15.27042 63	23.96417 71	7.545351 11	48.31192	236.2982 83	2324.894 53	3589.889 78	1111.538 61	7262.621 2	35.35033 11	352.0501 35	550.8969 54	172.5750 39	1110.872 46	0.991453 09	9.958259 74	15.65140 16	4.854096 57	31.45521 1	NonEnzyme Reg
12.00944 76	13.40122 54	9.925585 83	13.05851 14	48.39477 02	1701.719 69	1865.863 92	1379.156 01	1823.960 41	6770.700 02	271.7423 22	302.5530 02	224.1664 19	295.0617 56	1093.523 5	7.536327 61	8.434654 44	6.330571 62	8.278376 84	30.57993 05	NonEnzyme Reg
5.118889 36	15.97165 23	18.35060 92	7.456687 43	46.89783 83	744.0365 37	2380.054 92	2761.382 81	1101.505 86	6986.980 13	116.5863 96	365.9697 5	422.1009 69	170.6342 9	1075.291 41	3.240224 29	10.26978 55	11.96025 86	4.807403 86	30.27767 23	NonEnzyme Reg
1.044055 06	17.58007 71	21.36279 03	7.236992 61	47.22391 51	160.2699 25	2589.350 57	3197.010 63	1095.119 26	7041.750 39	24.09995 41	402.3766 26	490.0288 38	166.1421 36	1082.647 55	0.697200 88	11.41218 92	13.76088 64	4.605745 79	30.47602 22	NonEnzyme Reg
2.381800 42	15.23637 9	19.29667 36	8.132693	45.25133 23	351.8474 17	2273.367 81	2831.587 75	1163.910 05	6648.100 84	54.45071 87	348.3406 98	439.7087 39	184.6607 08	1031.731 11	1.530250 51	9.750693 63	12.26250 63	5.201453 28	28.87311 62	NonEnzyme Reg
2.973130 67	16.99188 04	22.91786 54	3.168677 68	46.05155 41	446.1382 9	2579.456 13	3448.687 67	479.5229 24	6953.805 02	68.42622 57	391.1774 96	526.3826 75	72.98710 39	1058.973 5	1.947752 55	11.04862 19	14.71203 78	2.061372 16	29.76978 44	NonEnzyme Reg
1.326304 24	11.90861 92	21.79358 32	12.15198 32	47.18048 99	194.3628 54	1788.711 2	3230.137 5	1771.120 92	6984.332 47	30.24597 57	273.6254 52	499.6834 82	277.2992 46	1080.854 16	0.838238 09	7.723101 56	14.16848 62	7.781556 92	30.51138 27	NonEnzyme Reg
2.432211 41	13.47060 52	22.73445 74	10.23197 38	48.86924 78	371.1427 72	2024.174 63	3459.741 31	1564.848 82	7419.907 52	56.10110 71	309.3188 57	521.9490 17	235.2161 26	1122.585 11	1.614469 88	8.791841 72	14.58163 91	6.552296 38	31.54024 71	NonEnzyme Reg
3.149239 65	18.02381 9	24.66514 85	2.744468 69	48.58267 58	494.6107 66	2684.072 67	3654.782 19	393.5186 47	7226.984 27	73.12743 88	413.1492 86	563.8372 64	62.31122 55	1112.425 21	2.093292 01	11.66248 38	15.71948 62	1.725788 71	31.20105 07	NonEnzyme Reg
1.338159 27	13.39080 71	22.27830 29	12.84954 12	49.85681 04	208.3313 88	2061.184 24	3456.993 72	1936.078 73	7662.588 08	31.00933 46	309.0948 33	514.5604 62	294.8783 84	1149.543 01	0.893136 92	8.752199 83	14.46438 26	8.228917 98	32.33863 74	NonEnzyme Reg
1.823841 02	25.64194 96	18.56440 73	1.442128 53	47.47232 65	292.0639 49	3939.759 58	2815.791 6	203.5930 81	7251.208 21	42.50563 87	591.9621 55	427.1330 19	32.65695 49	1094.257 77	1.223594 89	16.87147 66	12.03669 05	0.918481 65	31.05024 36	NonEnzyme Reg
4.560022 55	26.32847 74	16.01570 75	2.015620 83	48.91982 82	713.621	4098.814 24	2492.220 99	297.8473 43	7602.503 57	105.9033 29	609.7131 98	370.8601 31	45.96156 85	1132.438 23	3.067079 64	17.35866 83	10.49518 1	1.243425 28	32.16435 42	NonEnzyme Reg
1.416043 45	10.97065 04	26.79384 12	8.369541 66	47.55007 66	228.9366 61	1751.693 73	4240.017 09	1309.382 99	7530.030 47	33.07079 34	255.4591 25	622.6488 62	193.8462 77	1105.025 06	0.948236 11	7.287183 47	17.65574 8	5.424645 52	31.31581 31	NonEnzyme Reg
2.216706 91	12.21862 74	20.73051 34	7.438737 12	42.60458 48	320.5086 82	1736.471 02	2989.441 77	1072.298 54	6118.720 01	50.46017 54	277.3071 8	471.5507 26	169.2901 8	968.6082 61	1.397000 94	7.692785 96	13.13373 53	4.742120 16	26.96564 24	NonEnzyme Reg
1.597179 56	18.45196 08	24.69683 31	3.879095 85	48.62506 93	227.3795 56	2721.980 82	3633.172 89	584.2679 84	7166.801 25	36.38642 59	421.8811 38	564.3879 41	89.03573 83	1111.691 24	1.038788 03	11.83787 51	15.81226 86	2.490466 03	31.17939 77	NonEnzyme Reg
2.671097 29	12.50693 32	27.81374 45	6.535508 69	49.52728 36	410.4466 3	1939.672 68	4249.275 04	957.7233 41	7557.117 69	61.99889 74	290.0019 96	640.9323 87	149.1261 29	1142.059 41	1.799352 85	8.319496 26	18.06790 89	4.109692 04	32.29645	NonEnzyme Reg
2.670546 9	16.77964 29	24.14499 42	3.088258 2	46.68344 22	414.9299 86	2608.997 78	3620.687 63	441.6570 65	7086.272 46	61.85001 16	388.5952 78	555.3122 92	70.14378 26	1075.901 37	1.753545 18	11.02959 87	15.60720 67	1.935792 1	30.32614 26	NonEnzyme Reg
2.771765 01	14.56571 38	26.90233 77	5.740853 88	49.98067 04	426.3922 84	2243.295 56	4130.288 68	894.1570 18	7694.133 54	64.03016 64	336.2386 34	620.1488 99	132.2165 66	1152.634 27	1.847281 29	9.625763 16	17.57899 53	3.644932 6	32.69697 24	NonEnzyme Reg
6.380366 72	27.97309	11.25955 45	2.285464 29	47.89847 55	975.1949 95	4238.842 13	1684.209 59	330.2018 16	7228.448 54	147.1362 74	644.4166 18	258.4984 48	51.98505 92	1102.036 4	4.098508 63	18.12347 62	7.241214 62	1.459026 86	30.92222 63	NonEnzyme Reg
1.655994 51	12.64117 75	23.81680 01	11.63967 56	49.75364 77	236.9989 19	1865.645 93	3535.118 31	1722.585 87	7360.349 03	37.62147 7	289.0595 2	544.7783 29	265.9045 74	1137.363 9	1.069365 16	8.224628 18	15.34143 5	7.456939 72	32.09236 8	NonEnzyme Reg
2.097388 25	13.04205 99	27.02549 09	4.371095 83	46.53603 49	318.3382 44	2004.614 76	4087.740 55	656.9429 52	7067.636 51	48.33090 28	301.0818 87	621.3830 52	100.0056 28	1070.801 47	1.358516 35	8.513398 42	17.48145 83	2.751648 51	30.10502 16	EnzymeReg
1.624399 13	9.308375 21	24.51062 54	12.80298 53	48.24638 51	249.9146 68	1376.993 44	3618.778 86	1870.187 86	7115.874 83	37.54747 3	212.7544 79	559.4521 41	291.4456 39	1101.199 73	1.088600 83	6.027923 57	15.63107 49	8.053788 93	30.80138 82	EnzymeReg
9.604159 94	30.99439	6.992476	1.603067 1	49.19409 31	1434.378 72	4733.292 58	1057.220 6	237.9204 01	7462.812 3	220.3020 59	715.0055 56	160.4554 84	36.57470 54	1132.337 8	6.228845 33	20.24865 84	4.478245 2	0.993392 84	31.94914 18	EnzymeReg
5.257591 33	19.44457 12	11.37735 69	13.75360 54	49.83312 47	777.4896 67	2869.252 11	1668.243 37	2014.624 19	7329.609 34	120.0542 85	444.2109 48	259.5158 17	312.8847 5	1136.665 8	3.342001 42	12.44070 58	7.325248 78	8.607531 91	31.71548 8	EnzymeReg
11.00389 54	14.12696 14	16.94589 93	10.92568 2	53.00243 8	1789.124 28	2279.546 95	2671.911 97	1675.838 53	8416.421 73	257.6041 11	330.0370 14	393.4933 19	251.7674 16	1232.901 86	7.390616 76	9.462914 37	11.20360 9	7.126435 92	35.18357 6	EnzymeReg

4.69454573	15.5623283	24.1708555	5.53445528	49.9621848	701.82788	2410.55516	3713.06225	804.206154	7629.651 45	108.626381	361.70539	557.230313	125.851214	1153.4133	3.18397059	10.5249261	15.6924074	3.48642589	32.88773	EnzymeReg
0	0.24815164	32.8377806	16.7772014	49.8631337	0	36.4585003	4984.43914	2487.30902	7508.20666	0	5.64588301	753.744709	383.689451	1143.08004	0	0.15705244	20.9472804	10.719635	31.82396 79	EnzymeReg
3.60643568	23.9230947	14.4444013	7.18713265	49.1610643	548.42590 7	3563.0825	2273.03088	1125.61127	7510.15057	82.71612 42	548.67324 6	336.201621	166.586403	1134.17739	2.30503018	15.3674431	9.67419839	4.71268312	32.05935 48	EnzymeReg
7.26648186	25.1749807	12.842337	3.31271013	48.5965097	1154.2332 8	3934.64759	1943.4069	496.00799 7	7528.29577	169.6626 15	583.30265 5	295.291736	76.2993791	1124.55639	4.91767104	16.4331846	8.18387566	2.14043425	31.67516 55	EnzymeReg
1.1153643	19.5058935	19.8937776	7.86233812	48.3773735	164.93901 5	2885.29715	2973.93882	1147.56517	7171.74015	25.46412 78	446.25312	456.211821	179.3343	1107.26337	0.70604123	12.5396641	12.8493107	5.02092914	31.11594 51	EnzymeReg
2.30992339	16.3228101	16.7297842	11.03921 27	46.4017304	345.67302	2386.81576	2471.33039	1668.2648	6872.08394	52.83981	372.36894 2	381.285042	252.4613 6	1058.95515	1.46888413	10.4262907	10.516837	6.93486988	29.34688 17	EnzymeReg
3.32882825	20.5582449	20.2570794	2.97817124	47.1223238	506.76997 3	3129.87934	3097.24857	434.74239 5	7168.64028	76.71429 47	473.35194 5	466.918553	67.9470918	1084.93189	2.15326493	13.2238573	13.0932296	1.88322832	30.35358 01	EnzymeReg
0.46498473	15.5115433	24.4845273	4.74097227	45.2020276	70.34427	2314.99705	3653.74563	741.07432 1	6780.16127	10.66570 73	355.62717	561.115268	109.772982	1037.18107	0.29625172	9.9816791 4	15.648490 6	3.08029754	29.00671 9	EnzymeReg
0	15.5294666	26.6586736	6.56226333	48.7504035	0	2254.71569	3884.03324	972.46498	7111.21391	0	353.55975 1	607.053227	150.010833	1110.62381	0	9.9636094 4	16.9651449	4.19171779	31.12047 21	EnzymeReg
4.96389907	21.3608013	16.6611511	4.8399587	47.8258102	739.65082 2	3173.60678	2518.43726	714.69803 4	7146.3929	113.9497 13	490.03247 8	383.572119	110.594816	1098.14913	3.28805617	13.9498345	10.780053 6	3.04166139	31.05960 57	EnzymeReg
5.20248361	15.7687595	13.3304888	9.81495 44	44.8292356	747.46678 2	2263.48309	1929.96516	1442.74995	6477.98778	119.3298 01	360.11920 7	305.032688	225.017832	1025.49046	3.29067713	9.8536851	8.419394 5	6.21452896	28.19394 64	EnzymeReg
8.90346494	13.3552792	10.9257258	14.9036923	48.0881622	1337.2676 4	2009.57478	1591.94504	2101.54121	7040.32867	205.8172 89	307.14131	248.888803	337.149301	1098.99672	5.89778277	8.7248943 6	6.979281 7	9.33433166	30.93629 05	EnzymeReg
4.83124199	20.7292732	16.7453982	8.00414505	50.3100585	736.33504 4	3210.99199	2497.965	1167.93713	7613.22916	111.3181 71	477.98385 3	382.702117	182.154458	1154.1586	3.11532729	13.3336072	10.583599 1	4.97802066	32.01055 43	EnzymeReg
5.74460666	22.1367226	17.7338875	2.63735308	48.2525699	845.15029 5	3220.07846	2554.5597	387.45133 2	7007.23979	131.5746 33	504.60654 8	403.110956	60.0076371	1099.29977	3.78620151	14.1985828	11.168178 6	1.64386189	30.79682 48	EnzymeReg
0	14.97758	29.2006444	4.86073587	49.0389602	0	2180.54498	4200.11141	660.87584 8	7041.53224	0	341.70239 1	664.039279	109.417231	1115.1589	0	9.7381656 2	18.717216 4	3.11750085	31.57288 29	EnzymeReg
15.3566008	30.2121219	2.9884640 3	3.63491621	52.1921029	2417.96443	4887.28427	488.71056	571.21957 5	8365.17884	357.1580 53	705.35004 8	69.8554998	83.9107196	1216.27432	10.1303063	19.9816727	1.993360 09	2.36119445	34.46653 35	EnzymeReg
0	8.1746966	19.8870998	16.0123429	45.4882081	0	1248.3158	3099.58608	2497.07476	7061.75182	0	190.37616	462.687244	373.510597	1059.47682	0	5.3452208 8	12.991831 3	10.62020 32	29.89256 98	EnzymeReg
0	13.5875224	29.3482599	6.10317794	49.0389602	0	1964.68489	4244.89353	831.95382 5	7041.53224	0	309.53439 9	668.154736	137.469765	1115.1589	0	8.8266563 5	18.822141 8	3.92408473	31.57288 29	EnzymeReg
4.64095326	15.6566128	15.0571824	15.7334652	51.0882135	732.04826 2	2447.07663	2288.50019	2409.71272	7877.3378	107.0676 3	360.96845 5	344.99523	361.230966	1174.26228	2.98576103	10.0926992	9.559842 67	10.02330 67	32.66160 95	EnzymeReg
0	11.4745041	27.8387608	10.0483577	49.3616226	0	1710.90784	4164.78562	1484.64274	7360.3362	0	264.10393	639.204962	229.343422	1132.65234	0	7.5301584 9	17.932685 6	6.26875298	31.73159 71	EnzymeReg
1.66318556	14.3540337	23.1009848	8.95190204	48.0701 06	279.47716 8	2368.79815	3749.60443	1392.03462	7789.91437	39.34705 59	337.39161 7	541.044652	207.199553	1124.98288	1.13769178	9.6591351 3	15.268186 8	5.72455467	31.78956 83	EnzymeReg
1.79850662	15.1816036	21.7154952	9.90580223	48.6014076	276.91062	2271.81201	3278.61143	1499.74753	7327.08158	41.64654 77	349.06981 2	499.647109	228.002931	1118.3664	1.19224724	9.9348923 1	14.11848 51	6.38879703	31.63442 17	EnzymeReg
2.27684857	26.9181568	8.4034134	8.43302363	46.0314424	340.20422 2	4004.43551	1262.37453	1322.65493	6929.66919	52.79098 55	619.62972 9	193.34852	194.593737	1060.36297	1.46108579	17.069008 2	5.34843782	5.34305729	29.22158 91	EnzymeReg
0.56012455	12.7111214	27.2791606	8.01459805	48.5650046	80.15812 48	1871.05119	3976.94755	1153.54443	7081.70129	12.71674 38	290.57130 1	622.418664	182.310012	1108.01672	0.35961533	8.2106071 6	17.345309	4.97767942	30.89321 09	EnzymeReg
1.92461797	14.3788853	26.0985408	4.92148506	47.3235291	297.43934 9	2199.80266	4033.89017	751.53683 2	7282.66901	44.52700 09	331.52591 4	602.482802	113.090098	1091.62581	1.28139871	9.4018609 3	16.991467 3	3.12406 14	30.79878 83	EnzymeReg
4.54687	22.3938088	13.6051196	8.95236 97	49.4981681	648.89497 4	3197.86548	2001.19453	1306.48315	7154.43813	103.6273 04	510.07695 5	312.376274	204.850374	1130.93091	2.91467 59	14.1742379	8.760113 16	5.67607186	31.52509 88	EnzymeReg
11.0302775	12.2897688	12.1276731	10.5862138	47.5472089	1589.1301 6	1783.027	1745.74457	1537.77134	6878.38666	250.5147 93	279.92901 5	276.19662	242.256274	1084.19404	6.96153737	7.8025368 5	7.683757	6.71323848	30.18323 26	EnzymeReg
8.48526443	13.1253286	13.1336153	13.1225295	47.8667378	1222.2003 7	1905.70566	1895.71689	1921.33052	6944.95343	192.6997 29	298.73759 6	298.544655	299.240581	1089.22256	5.36731 74	8.3130554 9	8.320562 18	8.31235857	30.31329 36	EnzymeReg
2.89434138	15.9494732	24.1951711	7.44350827	50.4824939	452.95790 5	2487.391 1	3748.16311	1133.57174	7822.08385	67.15169 99	369.87476 1	559.196573	171.061016	1167.28405	1.90692985	10.555010 5	15.884299 4	4.75199778	33.09823 75	EnzymeReg
1.54340184	13.5878829	23.845074	7.58615162	46.5625104	246.15297 4	2105.51756	3765.9005	1186.27452	7303.84556	36.23222 69	315.95694 3	554.674621	176.332372	1083.19616	1.04121016	8.9245846 8	15.605385 4	4.98706538	30.55824 56	EnzymeReg
1.95796658	11.3448825	24.9898007	8.47776811	46.7704179	290.80833 7	1743.59796	3891.93537	1313.47854	7239.82025	44.86172 02	261.90268 1	577.541059	195.572262	1079.87772	1.25960296	7.3890201 4	16.232091	5.43900128	30.31972 35	EnzymeReg

4.16811491	21.4399779	18.8676933	4.05862737	48.5344135	633.606336	3219.72004	2864.44111	614.883178	7332.65066	95.8736759	491.057253	433.72194	93.053064	1113.70593	2.73676361	13.7989073	12.1255178	2.54859069	31.2097794	EnzymeReg
2.44787471	24.3548775	16.9150091	4.49568277	49.4007744	373.539167	3813.95408	2713.29175	618.485824	7680.9108	56.3538475	565.258269	395.566046	101.452333	1145.37051	1.59793955	16.1704626	11.4446988	2.85579042	32.8295775	EnzymeReg
4.63084515	20.1673613	15.1240611	8.60861572	48.5308832	763.537358	3295.65468	2405.65128	1365.78308	7830.62639	108.600931	470.735166	350.583173	199.418022	1129.33729	3.10678559	13.2109821	9.7453193	5.50286649	31.5659481	EnzymeReg
1.75000163	9.41104041	21.6350278	11.4762577	44.2723276	260.411815	1377.67982	3162.97463	1659.46462	6460.53088	40.388293	216.6266	497.195944	262.455276	1016.66611	1.13355122	6.0364732	13.7598287	7.23106409	28.1609164	EnzymeReg
7.16087425	27.7561438	10.5999027	3.52746725	49.6295365	1085.39287	4228.34492	1595.41832	494.772304	7486.83555	164.845142	638.516356	243.321488	79.8979749	1139.87541	4.67492662	17.8009756	6.8306042	2.23173016	31.9085745	EnzymeReg
2.81496487	19.9479466	20.8955003	6.60858451	50.2669963	447.999171	3043.0322	3163.58181	991.421191	7646.03437	65.6621755	460.255267	480.636687	151.626125	1158.18025	1.89636553	13.1084207	13.5209996	4.27138996	32.7971758	EnzymeReg
3.83617444	17.4421475	20.3348923	5.97911157	47.5923258	598.262043	2677.756	3050.28813	901.42261	7227.72879	89.2780593	404.587043	467.541425	137.460378	1098.86691	2.59378292	11.6314576	13.0913729	3.85150862	31.1681221	EnzymeReg
1.75242472	16.5865976	28.3803669	2.67202353	49.3914128	274.996962	2543.58817	4395.06275	409.401103	7623.04899	40.7499879	383.559828	656.803279	61.8315703	1142.94467	1.19753643	10.9235275	18.638823	1.71586305	32.4757499	EnzymeReg
1.74747809	9.61164336	20.5052035	16.2236832	48.0880082	260.609822	1457.30302	3084.08734	2407.33511	7209.33528	40.1359623	221.646541	470.919186	371.645166	1104.34685	1.14697691	6.3376942	13.277582	10.4110777	31.1733308	EnzymeReg
3.31293755	18.5547563	19.9740679	7.26290381	49.1046655	500.055701	2772.24009	2982.47055	1027.35626	7282.12261	76.439792	425.755965	458.329365	164.724419	1125.24954	2.22552601	12.0338115	12.9377489	4.52017566	31.7172621	EnzymeReg
1.48372897	18.4258841	19.4911964	9.58749293	49.3180505	223.475331	2873.58007	2954.07865	1457.25082	7557.44936	34.0963412	426.894232	448.728685	220.405098	1137.65289	0.97939284	12.2234711	12.6597663	6.14563885	32.2134763	EnzymeReg
3.34157969	20.7091688	20.5062313	2.06068505	46.6176649	566.861687	3278.3848	3123.26446	296.189854	7264.70079	78.9340295	480.690357	471.920596	46.8310272	1078.37601	2.29834858	13.653154	13.2784223	1.31866275	30.5485876	EnzymeReg
6.53300428	20.6032967	15.9554578	5.82655043	48.9183091	987.467343	3142.47501	2383.96042	869.46695	7383.36973	150.201476	474.44271	365.317242	133.322568	1123.284	4.23559044	13.3924376	10.2473665	3.71748389	31.5928785	EnzymeReg
0	9.28849526	15.4430834	15.592414	40.3239927	0	1294.38594	2210.15272	2122.10702	5626.64568	0	214.69852	356.267194	356.83409	927.799804	0	5.9527738	9.9188925	9.80530827	25.6769743	EnzymeReg
3.36049875	17.1620985	22.7267168	3.69967649	46.9489905	507.307282	2601.28558	3425.46201	529.346807	7063.40167	77.6128932	395.874951	522.409941	83.9636447	1079.86143	2.23211986	11.2767144	14.6607403	2.29918365	30.4687582	EnzymeReg
5.25543751	20.8819078	16.4067872	7.9951474	50.5392799	805.424148	3243.64876	2448.74604	1165.65654	7663.47549	121.130582	481.48362	375.002296	181.983136	1159.59963	3.39006319	13.4175026	10.3732541	4.98251853	32.1633384	EnzymeReg
0	22.8040504	17.5423878	8.64483546	48.9912736	0	3547.58475	2669.02855	1239.42091	7456.03421	0	524.42451	401.187673	196.006758	1121.61894	0	14.3756633	10.854113	5.29617718	30.5259535	EnzymeReg
3.34548264	17.6024757	17.5444532	5.87721865	45.5939633	533.254027	2832.62594	2824.99656	963.020008	7352.73765	78.4561352	412.211786	409.597255	137.421938	1066.22245	2.21151722	11.6204678	11.412664	3.81577588	29.8396222	EnzymeReg
1.43031154	8.23120912	19.9688072	11.8108754	42.6968356	212.385361	1191.91129	2900.97269	1761.81494	6247.44828	33.1467216	190.004389	458.156393	271.839024	981.819791	0.92977288	5.2936425	12.6365682	7.58819607	27.2330246	EnzymeReg
0	8.74930383	19.6019435	15.0372717	43.388519	0	1263.68681	2891.23804	2193.43612	6348.36096	0	200.837504	449.691104	343.350859	993.879467	0	5.5181429	12.326643	9.40287122	27.2476571	EnzymeReg
5.63660713	14.00686	12.1470498	13.4550924	45.2456093	822.994204	2047.50097	1743.49168	1981.96274	6595.94959	129.304521	320.758886	278.11609	308.538736	1036.71823	3.57135071	8.8022059	7.7256912	8.49940138	28.5986493	EnzymeReg
0.83921393	19.0752057	16.1647992	7.95197637	44.0311953	116.00607	2672.99801	2290.40994	1164.15454	6243.56856	19.1417268	433.719664	367.212668	181.525168	1001.59923	0.52197466	11.8751392	10.036294	4.98351584	27.4169237	EnzymeReg
5.18515385	13.5442341	23.1832044	6.01998082	49.4655395	879.585485	2264.05602	3783.88323	944.684709	8101.57676	122.92831	319.180683	541.843692	139.19033	1158.34063	3.65571048	9.3568054	15.356782	3.82143792	33.1486815	EnzymeReg
0.84706595	16.0570111	22.3747911	7.74761271	47.0264808	124.959916	2386.93695	3429.09636	1162.11556	7103.10878	19.408362	368.613023	516.699323	177.754865	1082.47557	0.54953684	10.3275311	14.5254377	4.91549887	30.3180045	EnzymeReg
2.33105106	12.9964479	27.3427729	6.22883454	48.8991064	382.52481	2071.83975	4198.33213	941.586617	7594.28331	54.6330787	302.612811	630.337132	142.79472	1130.37774	1.58769929	8.6946004	17.6983359	3.98226564	31.9629013	EnzymeReg
0	25.7759909	14.3599826	4.96480316	45.9752762	0	3892.95757	2066.16405	683.694263	6762.85543	0	590.831657	326.268392	111.952016	1048.86708	0	16.6026072	9.0665341	3.09287653	29.2927984	EnzymeReg
6.51540737	12.8309663	14.9747818	17.1026498	51.4238052	1051.33167	2053.56886	2419.09881	2724.17549	8248.17483	151.208949	297.704407	347.646939	395.632764	1192.19306	4.25565711	8.4191692	9.7105745	10.9180183	33.3034149	EnzymeReg
4.57412066	29.2912569	12.3321911	2.50731333	48.7048819	675.027447	4440.08808	1874.64224	341.602865	7331.36063	104.936062	672.484701	283.70368	56.6330729	1117.75752	3.02886888	18.7629926	7.8449849	1.56111251	31.1979588	EnzymeReg
4.08622138	21.5296682	21.8266113	1.45964941	48.902152	624.400696	3253.01039	3256.81597	222.983282	7357.21033	94.1544799	494.852512	500.309888	33.5928983	1122.90978	2.69379661	14.0118445	14.133404	0.94898846	31.7880333	EnzymeReg
2.67513221	20.3072478	15.6000003	11.5848314	50.1672117	389.833196	3071.17614	2330.17964	1666.70928	7457.89826	60.8270736	466.17621	357.583778	263.17969	1147.76675	1.69359482	13.0321813	10.1119667	7.41833911	32.2560819	EnzymeReg
3.20031084	19.7503453	22.3989761	2.49487919	47.8445114	503.260163	3014.68864	3386.46429	399.961497	7304.37459	74.315031	454.67449	513.971353	58.0818104	1101.04269	2.12120572	12.7824579	14.2908365	1.62135965	30.8158598	EnzymeReg

1.985297 56	12.83870 22	25.33861 36	8.370894 69	48.53350 8	305.0761 75	1983.548 87	3958.886 01	1282.581 67	7530.092 73	45.94206 5	297.4211 54	587.3150 56	193.0219 97	1123.700 27	1.312201 22	8.487989 82	16.71101 1	5.403192 46	31.91439 45	EnzymeReg
0.859969 44	14.28311 12	19.98059 52	10.99276 1	46.11643 68	128.3509 55	2182.365 34	3030.047 6	1635.349 2	6976.113 1	19.90949 72	330.9151 84	461.8453 04	252.5896 35	1065.259 62	0.555254 43	9.250469 91	12.91422 01	7.040890 99	29.76083 54	EnzymeReg
9.949487 18	15.28428 88	17.31535 8	9.507566 01	52.0567	1479.516 07	2374.369 17	2752.927 58	1437.350 71	8044.163 54	228.5082 81	354.7360 23	403.3994 65	219.0367 69	1205.680 54	6.669873 28	10.37999 26	11.63438 3	6.130315 4	34.81456 43	EnzymeReg
1.781902 11	14.20425 28	24.99895 35	8.347922 88	49.33303 12	270.2065 7	2154.962 72	3798.525 64	1303.334 83	7527.029 76	41.25931 37	327.8695 34	576.0326 7	192.9114 85	1138.073	1.193213 53	9.334436 09	16.17697 52	5.381940 29	32.08656 51	EnzymeReg
1.090769 46	14.42970 13	21.26316 11	9.909283 03	46.69291 49	166.2648 94	2211.218 31	3264.190 01	1504.509 47	7146.182 69	25.27218 73	334.2394 07	491.8187 32	228.4485 56	1079.778 88	0.700514 87	9.405821 23	13.80438 25	6.322450 31	30.23316 89	EnzymeReg
2.004908 57	12.23639 17	22.15336 86	12.38588 48	48.78055 37	298.9915 05	1833.067 72	3337.871 86	1933.665 45	7403.596 53	45.81617 25	281.1253 27	509.2333 03	286.9510 97	1123.125 9	1.278867 01	7.865867 16	14.32957 7	8.125274 34	31.59958 55	EnzymeReg
7.350860 16	8.044781 26	11.57850 62	12.01750 98	38.99165 74	956.1547 07	1070.951 48	1556.966 31	1653.899 48	5237.971 98	163.7892 2	180.8521 79	260.5548 55	270.5367 09	875.7329 63	4.342147 55	4.904087 54	7.012507 45	7.194000 53	23.45274 31	EnzymeReg
1.908561 44	13.38469 61	24.99003 36	8.641047 77	48.92433 89	299.065	2083.316 56	3880.052 35	1314.024 76	7576.458 67	44.45407 59	310.6880 71	579.2999 9	199.4119 99	1133.854 14	1.289661 51	8.904759 15	16.52683 06	5.652765 68	32.37401 7	EnzymeReg
0	19.35702 96	22.80270 09	8.156048 9	50.31577 93	0	2896.311 94	3355.852 99	1165.618 1	7417.783 02	0	443.3708 69	521.3935 56	185.9379 15	1150.702 34	0	12.41632 51	14.61473 24	5.164231 1	32.19528 86	EnzymeReg
9.768317 21	30.12272 38	6.397064 02	4.223624 71	50.51172 97	1514.693 3	4692.831 14	947.7101 99	643.4368 11	7798.671 44	225.5254 02	696.5980 78	146.0563 86	97.38036 17	1165.560 23	6.339520 75	19.64012 74	4.017119 66	2.740174 17	32.73694 2	EnzymeReg
3.415380 54	15.01109 78	22.09330 23	8.538983 05	49.05876 37	528.7488 09	2279.590 03	3311.671 38	1229.332 88	7349.343 1	79.35885 18	347.3534 63	508.3309 24	195.0146 66	1130.057 91	2.262119 93	9.887969 08	14.30008 31	5.506778 79	31.95695 09	EnzymeReg
1.862792 62	20.66636 07	21.03264 71	5.924375 53	49.48617 59	279.5472 41	3218.116 25	3183.106 62	889.9753 18	7570.745 43	42.75251 51	478.6861 56	483.8314 46	135.9775 1	1141.247 63	1.226997 59	13.69853 8	13.63411 38	3.782305 86	32.34195 52	EnzymeReg
1.520563 41	9.671879 85	20.02770 17	14.76172 89	45.98187 38	223.9115 12	1459.729 4	3013.566 25	2186.441 6	6883.648 76	34.79488 22	222.7709 91	460.4547 52	337.6397 9	1055.660 42	0.983572 25	6.327273 65	12.98842 49	9.402059 8	29.70133 06	EnzymeReg
1.510747 78	9.030051 47	25.49332 85	9.919737 76	45.95386 55	217.6004 8	1298.736 81	3670.555 37	1491.708 8	6678.601 46	34.88070 21	207.8751 95	583.0483 71	228.1979 53	1054.002 22	0.979631 31	5.799840 31	16.22563 19	6.322506 5	29.32761	EnzymeReg
3.619838 02	22.94976 22	20.29172 2	4.117880 34	50.97920 25	554.3494 86	3538.809 79	3165.580 26	654.2559 96	7912.995 53	83.66013 75	530.2048 94	469.6783 41	96.46529 22	1180.008 66	2.422987 37	15.15584 74	13.21969 06	2.744156 61	33.54268 2	EnzymeReg
8.909857 86	20.66490 73	13.52623 67	4.843970 58	47.94497 25	1350.569 61	3212.282 35	2090.780 16	690.3075 88	7343.939 71	205.2771 19	478.3104 36	312.0806 92	110.1119 35	1105.780 18	5.761230 43	13.47238 35	8.823899 93	3.053821 45	31.11133 53	EnzymeReg
1.709893 55	23.02931 82	20.54159 26	4.844764 11	50.12556 85	263.9916 76	3420.910 01	3039.877 34	703.9213 87	7428.700 41	39.57658 64	528.2009 88	470.9571 07	110.2329 63	1148.967 64	1.144672 77	15.02870 96	13.32399 79	3.066535 74	32.56391 61	EnzymeReg
4.530837 06	32.59849 42	10.39627 93	2.055913 14	49.58152 37	677.2699 69	4969.863 43	1612.677 09	389.1510 81	7648.961 57	103.9854 96	749.5876 62	239.6341 19	49.48191 65	1142.689 19	2.992631 37	21.08133 3	6.653542 93	1.324866 28	32.05237 36	EnzymeReg
5.365396 58	10.72718 88	21.05620 09	15.79011 17	52.93889 8	875.0911 73	1841.147 49	3629.785 93	2577.637 56	8923.662 16	125.3491 59	253.8907 67	498.8787 53	368.9984 77	1247.117 16	3.580394 17	7.246376 97	14.26963 14	10.46385 09	35.56025 35	EnzymeReg
3.865476 22	20.97756 77	17.22456 67	8.623731 07	50.69134 17	599.1590 6	3245.344 6	2579.368 08	1262.684 62	7686.556 36	89.57144 1	483.4918 65	393.9988 12	196.7664 65	1163.828 58	2.534506 92	13.47288 54	10.90482 22	5.441984 21	32.35419 87	EnzymeReg
1.408742 39	25.71279 62	19.91572 77	2.907218 43	49.94448 47	218.1758 36	4015.353 23	3034.235 09	423.5605 58	7691.324 71	32.63096 84	595.6673 25	457.8501 41	66.53506 43	1152.683 5	0.945204 67	16.96872 54	12.73800 4	1.862247 89	32.51418 2	EnzymeReg
2.298617 2	18.55366 47	23.11440 61	5.275593 93	49.24228 19	352.6794 59	2802.387 21	3539.854 93	800.1034 27	7495.025 03	53.01283 66	426.6420 53	532.3802 76	120.9716 68	1133.006 83	1.509185 27	12.07982 82	14.94202 57	3.322280 3	31.85331 94	EnzymeReg
4.067369 87	14.74886 98	24.01994 27	5.508953 18	48.34513 55	574.2701 17	2089.699 39	3437.401 75	831.1309 52	6932.502 21	92.34296 57	334.7250 25	546.0429 73	127.1270 11	1100.237 98	2.603063 77	9.400052 59	15.19875 84	3.567878 35	30.76975 31	EnzymeReg
1.587956 54	10.93829 8	21.47506 9	13.31674 46	47.31806 81	231.1889 22	1610.349 46	3141.126 27	1933.581 17	6916.245 82	36.19010 18	249.9507 46	490.9579	304.2767 65	1081.375 51	1.024278 54	7.019525 68	13.70663 76	8.466603 44	30.21704 52	EnzymeReg
7.531977 74	15.76621 53	12.74590 15	14.78966 85	50.83376 3	1141.279 95	2414.511 57	1895.615 99	2205.056 77	7656.464 28	172.0221 09	360.9094 23	290.5690 59	337.7499 05	1161.250 5	4.709177 67	9.846509 31	8.013247 81	9.254138 32	31.82307 31	EnzymeReg
8.469129 21	16.67189 34	16.65257 73	8.177933 15	49.97153 3	1363.682 81	2612.220 3	2577.484 93	1304.937 41	7858.325 45	197.7947 07	386.1300 1	385.4002 54	190.7923 37	1160.117 31	5.588460 43	10.86082 9	11.00846 08	5.479417 64	32.93716 78	EnzymeReg
10.66181 05	15.12016 32	6.101851 96	15.99632 89	47.88015 46	1687.941	2324.452 49	893.7830 74	2296.006 28	7202.182 84	247.4120 38	348.7801 66	139.1943 04	364.1512 48	1099.537 76	7.008459 17	9.755559 41	3.850679 08	10.15451 28	30.76921 05	EnzymeReg
1.319164 98	13.98657 39	18.83088 26	12.10616 21	46.24278 35	198.1113 13	2118.141 24	2869.939 25	1820.785 12	7006.976 92	30.28650 86	321.7648 51	433.8691 05	278.0923 93	1064.012 86	0.861982 99	9.046552 5	12.11798 46	7.708070 29	29.73459 04	EnzymeReg
7.824242 53	16.02532 97	11.67021 05	12.79082 84	48.31061 1	1140.659 39	2368.918 92	1686.485 83	1741.071 03	6937.135 17	177.9707 06	365.5584 84	265.1391 13	288.2070 23	1096.875 33	4.932630 78	10.19414 97	7.400756 47	7.917602 02	30.44513 9	EnzymeReg
4.648129 17	28.59421 86	14.49857 26	1.795582 85	49.53650 32	705.9891 33	4316.428 17	2212.964 95	284.1945 02	7519.576 75	107.1143 4	658.3808 2	334.1395 68	41.66312 98	1141.297 86	3.053732 85	18.67886 77	9.450839 09	1.180590 3	32.36402 99	EnzymeReg
2.527509 99	16.32092 37	20.22659 2	7.089778 47	46.16480 42	389.2264 05	2528.627 47	3079.060 65	1070.527 71	7067.442 24	58.47406 72	378.2132 14	468.3836 22	163.6763 54	1068.747 26	1.660619 37	10.64007 16	13.28447 3	4.572265 57	30.15742 95	EnzymeReg

4.06907981	14.028914	17.1845214	13.9928849	49.2754002	631.960489	2157.26237	2532.14467	2037.1068	7358.47432	93.2913892	321.234388	393.648058	320.360284	1128.53412	2.51671616	8.71569311	10.7770927	8.91814158	30.9276436	EnzymeReg
6.21862105	32.945375	9.39995093	2.16553216	50.7294616	990.486536	5136.32671	1424.50322	327.29214	7878.60768	145.10932	762.966732	216.01941	49.4442109	1173.53652	4.14563556	21.5658115	6.06666413	1.33989503	33.1180063	EnzymeReg
1.6707117	16.858528	25.0222114	7.16544851	50.7168996	253.130105	2575.89501	3877.279	1092.62123	7798.92534	38.6251468	389.203291	578.07895	164.788492	1170.69588	1.12025872	11.1881406	16.3925142	4.60560504	33.3065185	EnzymeReg
9.37436792	30.487961	7.05986994	3.03875627	49.96095	1493.51969	4781.97803	1101.46933	442.69052	7819.65757	218.37191	706.549886	163.19817	68.926339	1157.04634	6.21272273	19.9531526	4.55141572	1.85697208	32.5742631	EnzymeReg
2.32865978	19.069671	20.0161179	7.34346495	48.7579146	380.654253	2998.66323	3131.03945	1125.07888	7635.43582	54.722283	442.6906	464.087784	169.352863	1130.85353	1.58665479	12.6391558	13.1515338	4.7021946	32.0795391	EnzymeReg
4.50835775	17.342794	17.4214435	8.72346143	47.9960601	721.708252	2647.2177	2706.0507	1393.65374	7468.63039	105.647573	400.670311	404.874223	204.040367	1115.23247	3.09427344	11.5214831	11.6780991	5.88632396	32.1801796	EnzymeReg
3.67405415	26.904085	12.7773065	5.72610147	49.0814906	593.461415	4099.94474	1852.97151	826.07654	7372.45381	86.1842291	622.885832	290.646425	130.070282	1129.78677	2.54126272	18.0432722	8.03068121	3.62882818	32.2440443	EnzymeReg
8.12123699	18.728256	17.9750167	3.52479478	48.3493071	1244.40449	2878.1281	2669.39248	526.58894	7318.51357	187.69933	432.447487	411.329517	81.0887381	1112.56511	5.35517283	12.2814426	11.483515	2.3032408	31.4233712	EnzymeReg
4.59354828	17.112517	18.8708557	6.85721321	47.4341349	709.840275	2625.91831	2870.80048	1047.32145	7253.88051	106.338887	395.922439	435.529197	158.446437	1096.23696	3.01804837	11.2588914	12.301722	4.51814148	31.0968033	EnzymeReg
0.94996773	9.1220669	10.5974584	25.1278314	45.7973252	152.952555	1399.16026	1562.13941	3752.19041	6866.44263	22.285351	211.177487	243.229021	577.766459	1054.45832	0.64288826	5.952888	6.8304732	16.1703794	29.5966293	EnzymeReg
6.89760593	26.676703	12.6349965	3.28244351	49.4917496	982.621105	3901.21485	1883.23312	459.61153	7226.68061	156.779496	609.250758	289.415579	74.1468835	1129.59272	4.43684246	17.1353421	8.12824373	2.022094	31.7225223	EnzymeReg
3.08329177	17.236081	23.2662888	5.05826842	48.6439309	460.954746	2556.34661	3460.24116	723.02628	7200.56881	70.7599122	394.715172	533.198271	115.043557	1113.71691	2.02107286	11.1508554	15.0756551	3.2151858	31.4627692	EnzymeReg
3.00359009	12.981379	24.8944112	6.55958154	47.4389627	445.318929	1934.18958	3762.54015	983.24492	7125.29358	68.9344148	297.514918	572.563766	150.694331	1089.70743	1.95686474	8.4069491	16.1346743	4.24341607	30.7419043	EnzymeReg
10.3377298	28.419269	3.58904848	4.59211858	46.9381664	1539.67031	4258.65724	545.639504	679.29949	7023.26655	236.753361	651.837425	82.4159142	105.137547	1076.14425	6.64595888	18.3288003	2.2895642	2.9681698	30.2324915	EnzymeReg
3.12561384	16.095895	12.879819	12.8077696	44.9090903	464.815844	2398.85475	1938.96545	1913.98388	6716.61992	72.2368493	370.232598	296.822348	294.685224	1033.97702	1.94977898	10.0368563	8.0454890	8.0138521	28.0459766	EnzymeReg
3.26438291	9.6844528	19.72406	13.7156295	46.3885252	493.507163	1462.72788	2901.21684	2035.42745	6892.87933	74.9162391	222.562945	453.200674	315.354264	1066.03412	2.07581864	6.0876324	12.447126	8.6302826	29.2408599	EnzymeReg
8.80571634	22.720709	14.0802424	3.50566718	49.1123354	1331.99313	3443.28795	2096.64937	517.90734	7389.83778	202.85636	522.852998	323.247245	80.2910176	1129.2476	5.81106136	14.8192012	9.0652780	2.1919851	31.8875258	EnzymeReg
0	4.9511061	20.0249832	19.7212734	44.6973673	0	697.710231	2764.26198	2732.95562	6194.92783	0	112.684665	453.424277	448.784827	1014.89377	0	3.1551821	12.549315	12.508772	28.213269	EnzymeReg
2.53335366	27.400087	17.5600097	0.91645083	48.4099012	417.035172	4270.70071	2653.98025	132.73286	7474.44893	59.3302832	632.433883	402.446364	20.7399103	1114.95044	1.71593511	17.8294688	11.1895381	0.5626546	31.2975966	EnzymeReg
0	22.255612	20.5878151	5.85887204	48.7022996	0	3386.2171	3048.28967	856.46274	7290.96952	0	513.377206	471.033539	133.76547	1118.17622	0	14.6179095	13.279261	3.7927010	31.689872	EnzymeReg
1.32352088	10.685659	24.1217119	10.0806727	46.4837022	203.209598	1603.50416	3635.67789	1533.47077	7017.66079	30.5539936	245.185236	553.649924	231.27842	1066.9287	0.87382199	6.9216321	15.5247612	6.3927732	29.8832989	EnzymeReg
2.60038864	13.652171	27.095679	6.25879875	49.607038	401.185651	2160.79863	4233.77926	958.17475	7753.9383	60.1454523	317.552999	626.406055	143.842412	1147.94692	1.71855255	9.0812205	17.6526761	3.9976311	32.4500803	EnzymeReg
1.69976116	9.8274867	21.4615281	12.7676769	45.9480333	252.945567	1482.90168	3215.38235	1876.34481	6854.35227	38.9922468	226.456508	492.953331	291.552319	1054.26972	1.10251073	6.4537922	13.9018941	8.1293453	29.7050246	EnzymeReg
5.07465388	15.068374	25.5874882	4.90657516	50.6370913	737.5794	2220.76734	3834.61185	734.39372	7527.35229	116.213698	346.241862	590.668715	113.128463	1166.25274	3.30834393	9.8220311	16.8669187	3.1777037	33.1749976	EnzymeReg
0	23.927595	19.8385213	6.77280081	50.53891	0	3615.28948	2990.79698	996.67713	7602.76359	0	549.902658	456.184286	155.431887	1161.51883	0	15.4867009	12.890025	4.3936902	32.7704168	EnzymeReg
3.37731628	18.769315	15.9764367	9.36260051	47.4856694	534.553381	2928.28724	2437.40268	1398.96019	7299.20349	78.7270209	434.19417	366.845393	214.441223	1094.20781	2.27028025	12.3690851	10.2431325	5.9336939	30.8161912	EnzymeReg
0.51225759	10.164043	27.4994285	10.557628	48.7264926	73.0740492	1484.86872	4050.70682	1583.09164	7191.74123	11.6279677	231.987343	628.601167	241.711984	1113.92846	0.32414689	6.5641514	17.6665526	6.6902872	31.2451389	EnzymeReg
0.87381735	23.738843	19.4375115	5.93900902	50.4183342	137.629397	3712.98729	3019.38739	882.14063	7811.95927	20.3368259	549.761957	448.342175	135.744801	1163.87587	0.59767022	15.606933	12.4670487	3.7154123	32.6507539	EnzymeReg
4.26997475	19.365963	17.0555382	9.39142843	50.0829097	670.332876	2983.68146	2531.17598	1361.28651	7546.47682	99.0376447	447.205268	390.338329	213.613215	1150.19446	2.84510409	12.7043608	10.9903477	5.9700986	32.5099112	EnzymeReg
1.81243008	9.5850689	24.408198	13.3673024	49.1729994	276.654281	1461.0425	3707.14872	2014.44473	7459.29022	41.8455249	220.826798	561.153419	306.4266	1130.25234	1.22337164	6.3360014	15.803782	8.5084877	31.8716428	EnzymeReg
4.25398225	15.331609	23.7633148	5.2668648	48.6157713	637.716082	2267.39517	3422.44284	726.53681	7054.09091	97.5908096	351.53487	541.861498	119.795351	1110.78253	2.7680024	9.8901052	15.149684	3.3434501	31.151243	EnzymeReg

4.33810399	25.0960508	16.9360949	1.99965229	48.369902	630.833818	3663.70456	2471.21118	274.209749	7039.9593	99.0390811	572.015493	386.368955	45.3590744	1102.7826	2.84206483	16.0549371	10.8562824	1.27835544	31.0316398	EnzymeReg
5.72082594	35.365274	4.95270931	1.87184378	47.910653	867.973738	5173.19916	740.076805	323.735039	7104.98474	132.087353	807.762646	113.919936	44.4101381	1098.18007	3.82924725	22.7668757	3.17699079	1.2486241	31.0217378	EnzymeReg
3.6698612	19.3343627	21.30731	3.55717349	47.867074	578.387256	3001.43593	3228.58521	541.163456	7349.57185	84.6860152	445.289412	488.141959	81.5410821	1099.65847	2.37286582	12.4915843	13.4936618	2.19988032	30.5579923	EnzymeReg
3.60368494	18.584515	22.10489	3.81972752	48.111281	542.249379	2776.43211	3296.66041	551.583981	7166.92588	82.8559952	426.00737	506.597617	86.8188444	1102.27983	2.38364542	12.108491	14.334739	2.42533514	31.2522106	EnzymeReg
2.89114996	20.3976166	19.3849509	5.94887144	48.622589	437.310228	3099.89872	2944.93902	889.999261	7372.14723	66.501936	470.086607	446.627533	136.554017	1119.77009	1.8848567	13.3185306	12.6002632	3.81344107	31.6170916	EnzymeReg
12.5452755	0	18.7668711	12.755301	50.194259	1850.17271	0	2845.38092	1964.41713	7578.79382	288.27661	0	434.347023	296.743932	1160.70134	8.1749634	0	12.376041	8.49584494	33.0183161	EnzymeReg
4.9950029	14.6875141	24.8007016	4.89295785	49.376164	711.100402	2096.19027	3581.27658	730.402107	7118.96937	113.826902	334.859518	567.140066	112.73694	1128.56343	3.20961933	9.3569172	15.914181	3.16165759	31.6423907	EnzymeReg
2.21061461	13.4641741	26.0772299	6.40335945	48.155378	342.316664	2110.76782	4040.50862	972.224236	7465.81734	51.356149	312.905461	603.104151	147.35748	1114.72318	1.4961361	8.9988655	17.101485	4.12275104	31.7192412	EnzymeReg
3.400595	18.3059616	16.7621759	8.3047285	46.773461	477.281085	2619.85925	2443.33764	1208.80177	6749.27967	76.949335	416.531891	382.952212	188.983098	1065.41654	2.13671152	11.606064	10.738919	5.22382065	29.7055176	EnzymeReg
3.50306047	20.7385834	22.6105714	1.10469	47.956905	530.509292	3120.77864	3382.07767	145.94992	7179.31553	80.995477	477.529936	518.41641	24.904495	1101.84632	2.36085377	13.7165652	14.540570	0.67155961	31.2895491	EnzymeReg
0.82169534	19.5193628	23.6967113	3.85545721	47.893226	130.220357	2969.7338	3475.9344	553.30534	7129.1939	19.167154	450.006673	540.838071	87.627181	1097.63908	0.56238502	12.820131	15.086125	2.37830373	30.8469456	EnzymeReg
3.47338949	23.518244	18.1659288	3.61213074	48.769693	545.764334	3530.8124	2722.08903	553.061976	7351.72774	80.919960	540.759648	417.723754	83.5330328	1122.9364	2.35411132	15.360447	11.821857	2.31951376	31.855928	EnzymeReg
0.96179155	9.3121159	17.5034027	17.089039	44.866349	139.486198	1362.64475	2525.4531	2488.58911	6516.17315	22.064723	213.946915	399.993452	391.553553	1027.55864	0.62913389	6.0212637	11.140326	10.89111	28.6818398	EnzymeReg
2.82253697	18.5885031	22.0995404	4.8147216	48.325321	428.130969	2817.99909	3338.85835	692.085953	7277.07436	65.199229	428.37696	507.065924	109.477995	1110.12011	1.88459245	12.188514	14.154023	3.03184267	31.2589733	EnzymeReg
0.94035976	14.0739047	24.8137892	8.67586426	48.503919	144.237484	2118.26007	3711.63968	1333.57266	7307.7099	21.574314	323.535661	568.829426	199.932509	1113.87186	0.58441528	9.116266	16.002576	5.64986833	31.3531257	EnzymeReg
2.00252859	11.1893728	26.5338894	4.58550533	44.311296	286.632631	1618.65146	3938.97325	666.84435	6511.1017	45.544881	255.033254	607.517055	104.41656	1012.51175	1.26935306	7.1738958	17.047641	2.87625638	28.3671458	EnzymeReg
2.69954565	18.3659492	23.6569472	4.70955781	49.431998	423.254666	2772.05547	3587.57328	696.199738	7479.08315	62.576802	422.589037	544.219671	107.812096	1137.19761	1.78286124	11.964912	15.330691	3.01244121	32.0909058	EnzymeReg
2.32490121	13.1767751	18.7724952	10.326578	44.600753	328.596458	1879.33059	2721.64129	1514.31611	6443.88445	52.743942	300.406607	429.808928	236.324569	1019.28404	1.45656549	8.3164821	11.878087	6.48299898	28.1341348	EnzymeReg
5.70728119	19.2211773	20.4219227	4.34474945	49.695134	879.448398	2940.86107	3065.36867	639.104394	7524.78253	131.51849	442.138361	467.972116	99.07696	1140.70594	3.67938522	12.384826	13.062397	2.73656274	31.8631656	EnzymeReg
2.57844063	11.4777405	25.7803856	8.80345711	48.640023	386.956642	1730.04344	3923.64445	1341.52483	7382.16936	59.223124	263.650942	594.220679	203.033477	1120.12822	1.67262201	7.4388064	16.960363	5.75543253	31.8272241	EnzymeReg
4.84650231	16.5114152	18.6636004	9.27439591	49.295913	742.756795	2474.77751	2804.22531	1417.7701	7439.52972	111.68406	379.260288	428.817453	213.808479	1133.57028	3.17507836	10.694024	12.095706	6.03536736	32.0001708	EnzymeReg
0	10.2815355	13.6473211	22.624390	46.553246	0	1563.01066	2046.7306	3264.52168	6874.26293	0	236.774153	314.108021	514.650425	1065.5326	0	6.5748284	8.84947038	14.3920131	29.8163119	EnzymeReg
0	11.3727706	26.9952472	8.87736292	47.245387	0	1665.50513	3995.00754	1318.38616	6978.89883	0	259.91251	618.696345	203.718418	1082.32727	0	7.3685514	17.525432	5.76186214	30.6558462	EnzymeReg
7.25044647	7.9656363	11.4154381	12.092332	38.723853	950.844199	1064.39095	1535.98609	1661.81937	5213.04061	161.910566	179.260488	256.887391	272.168792	870.227236	4.23420723	4.8349134	6.90079879	7.23554	23.2054617	EnzymeReg
7.65729349	8.2013986	11.6353041	12.040761	39.534792	1005.28489	1095.43183	1565.92666	1657.55435	5324.19772	173.605288	185.849623	262.364121	271.281202	893.100235	4.72990211	5.0980907	7.08309081	7.22355746	24.1346412	EnzymeReg
3.12145252	20.4824166	23.6349954	4.47613479	51.714993	521.645529	3322.30214	3727.4577	699.408166	8270.81353	73.526195	479.060753	548.50922	103.698122	1204.79429	2.11887862	13.616793	15.519190	2.92198021	34.1768424	EnzymeReg
3.55121248	22.065654	16.7130542	6.36562517	48.695545	541.282349	3319.85782	2519.30916	961.948927	7342.39825	81.873550	506.955848	383.501927	146.32334	1118.65467	2.32493302	14.312350	10.754293	4.09318499	31.4847627	EnzymeReg
7.55565697	28.6526024	9.8164345	1.28804024	47.312734	1130.08947	4425.25171	1549.26969	184.243541	7288.85441	172.973609	659.699842	227.495815	29.37899	1089.54826	4.83418945	18.321273	6.36730096	0.83083732	30.3536015	EnzymeReg
2.74846727	14.821239	24.5136366	7.17251026	49.255853	448.980207	2323.16389	3735.20042	1085.3589	7592.70342	64.515381	343.647019	564.794373	165.048502	1138.00528	1.86346596	9.7928021	15.902365	4.59750434	32.156138	EnzymeReg
0.39079152	8.1174592	26.3197172	12.708696	47.536665	56.2156358	1202.44736	3910.45528	1889.21231	7058.33059	8.9055328	186.070619	603.433311	291.170143	1089.57961	0.25134141	5.2319956	17.014403	8.17186014	30.6696011	EnzymeReg
5.67101606	20.6132209	17.6005784	3.76442294	47.649238	893.425079	3216.22614	2668.36414	576.533028	7354.54839	131.67570	477.397869	405.006788	87.02638	1101.10675	3.77728006	13.577735	11.329853	2.4130566	31.0979264	EnzymeReg

2.751302 64	17.91961 21	20.54125 59	7.371587 78	48.58375 85	412.7714 29	2726.113 77	3027.566 85	1087.947 42	7254.399 46	63.10716 79	411.7435 62	469.1343 55	168.3492 29	1112.334 31	1.773886 32	11.54747 43	13.18375 78	4.692130 46	31.19724 88	EnzymeReg
0	9.407134 39	19.37832 98	20.86927 08	49.65473 49	0	1400.465 86	2943.692 03	3124.632 95	7468.790 84	0	216.2741 83	446.6616 18	479.8639 71	1142.799 77	0	6.014278 46	12.40281 84	13.25327 35	31.67037 03	EnzymeReg
1.376455 67	14.77207 44	23.17125 81	10.24005 32	49.55984 14	219.2652 13	2323.139 92	3504.325 11	1472.899 95	7519.630 19	31.99404 12	342.1524 88	532.1933 66	232.3889 9	1138.728 89	0.917608 78	9.665425 76	14.96362 89	6.377448 97	31.92411 24	EnzymeReg
6.046366 36	25.77851 84	16.47946 13	1.272648 54	49.57699 46	962.4874 95	3888.222 73	2491.193 9	180.1197 95	7522.023 92	140.6799 74	592.5609 17	379.1055 73	28.71198 16	1141.058 45	4.021387 5	16.81142 97	10.74212 52	0.767111 8	32.34205 41	EnzymeReg
6.577465 17	30.88684 66	8.352167 73	2.711276 73	48.52775 62	976.8013 92	4693.339 85	1246.872 62	365.2299 27	7282.243 79	151.0441 21	709.3290 27	191.6971 83	61.04066 62	1113.111	4.345427 57	19.70810 37	5.309975 16	1.700310 63	31.06381 7	EnzymeReg
10.63705 37	24.46250 97	8.402360 63	5.307311 01	48.80923 5	1649.442 37	3878.948 83	1358.985 01	770.1857 74	7657.561 99	246.8230 83	569.9954 28	196.0465	121.5430 91	1134.408 1	7.102400 15	16.39125 68	5.565893 65	3.308014 35	32.36756 5	EnzymeReg
5.894791 3	31.02626 15	9.632842 44	1.711277 99	48.26517 32	913.3291 67	4824.380 91	1468.228 42	237.8662 28	7443.804 72	136.1451 07	718.1094 01	221.4349 73	38.34585	1114.035 33	3.868703 88	20.41149 52	6.176249 83	0.999081 19	31.45553 01	EnzymeReg
2.164838 22	10.44742 05	27.16876 15	8.419045 8	48.20006 61	342.3805 15	1639.401 74	4146.752 28	1255.213 56	7383.748 09	50.35969 05	242.5132 38	625.2147 72	193.0036 91	1111.091 39	1.450508 09	6.919648 57	17.55757 39	5.431340 05	31.35907 06	EnzymeReg
2.282007 3	15.57066 76	22.91572 42	5.214420 15	46.39002 95	346.1583	2381.133 48	3435.313 15	798.1296 75	7024.226 76	52.81868 35	360.5005 53	526.6021 13	119.4359 6	1068.671 27	1.461290 92	10.04612 7	14.48637 36	3.236677 02	29.47598 1	EnzymeReg
2.420939 13	13.89049 88	24.61486 33	8.645413 43	49.57171 47	387.9722 02	2148.920 42	3820.007 54	1365.935 76	7722.835 92	56.57012 33	321.8787 97	569.4028 86	200.5636 04	1148.415 41	1.638678 04	9.256837	16.19894 67	5.659982 29	32.75444 4	EnzymeReg
2.310065 73	22.91762 03	12.12586 6	7.360124 6	44.71367 66	341.3654 93	3462.059 13	1826.987 74	1085.128 14	6715.540 51	53.30196 7	530.1858 01	279.9517 24	168.7545 1	1032.194	1.441099 75	14.52183 68	7.757207 22	4.743914 72	28.46405 85	EnzymeReg
1.575739 75	14.99249 89	23.59198 21	9.076061 73	49.53406 55	250.4586 08	2287.178 86	3509.340 58	1410.966 26	7504.937 07	36.77568 42	346.3412 64	541.5978 88	210.7138 41	1142.415 59	1.070988 95	9.911776 32	15.35540 37	6.007266 19	32.54800 81	EnzymeReg
4.873402 13	17.35591 38	23.22622 36	6.283493 11	51.73903 26	869.1880 79	2978.818 54	3701.556 37	981.4730 54	8531.036 04	117.0436 95	412.3638 44	541.0475 87	144.9772 58	1215.432 38	3.464741 74	12.06954 49	15.48682 24	4.087699 45	35.10880 84	EnzymeReg
1.427030 97	20.08439 92	18.97218 39	7.065312 41	47.54892 65	227.4850 77	3167.950 37	2921.265 96	1055.237 36	7371.938 76	33.23741 09	466.4668 84	438.3933 8	161.9410 46	1100.038 72	0.957997 85	13.30303 45	12.43100 63	4.562851 76	31.25489 04	EnzymeReg
9.951695 7	14.43804 23	17.67658 29	8.947685 07	51.01400 6	1522.709 19	2135.726 23	2632.827 36	1261.478 16	7552.740 94	229.1980 42	331.1732 73	404.6921 23	204.1500 21	1169.213 46	6.450916 89	9.361153 38	11.35300 88	5.890781 51	33.05586 06	EnzymeReg
2.586005 06	17.24454 46	19.76605 42	10.04977 03	49.64637 41	376.6795 39	2551.777 02	2980.118 11	1510.681 45	7419.256 11	59.02851 02	394.8312 64	453.9928 96	230.3597 18	1138.212 39	1.650102 51	11.08911 35	12.76785 57	6.420675 82	31.92774 76	EnzymeReg
2.429505 98	14.39971 56	26.14331 79	5.101320 01	48.07385 95	398.7471 4	2261.722 84	4035.461 76	753.4937 58	7449.425 51	56.99532 44	333.8397 72	603.3780 45	116.6590 82	1110.872 22	1.654699 53	9.475245 86	16.99527 95	3.236130 85	31.36135 57	EnzymeReg
3.766748 15	29.92341 73	13.31531 08	2.052994 31	49.05847 05	573.3906 85	4609.317 07	2068.126 74	301.2781 46	7552.112 64	87.05866 85	690.9290 24	307.7987 57	46.90807 07	1132.694 52	2.531320 33	19.51599 25	8.610334 96	1.316892 84	31.97454 06	EnzymeReg
2.208265 52	12.84951 63	22.23517 14	11.19167 81	48.48463 13	327.5668 67	1879.680 42	3302.946 22	1668.120 99	7178.314 49	50.64937 07	293.6763 74	509.7205 04	255.9979 39	1110.044 19	1.431897 35	8.291634 45	14.40269 59	7.113099 57	31.23932 73	EnzymeReg
0	8.158698 95	12.20669 7	28.56569 76	48.93109 36	0	1176.328 35	1740.490 33	4152.718 17	7069.536 85	0	186.5844 5	277.8999 11	655.4396 44	1119.924	0	5.299490 84	7.874089 66	18.72388 09	31.89746 14	EnzymeReg
0	14.21162 72	28.38642 81	4.994773 7	47.59282 91	0	2238.785 15	4419.541 66	692.5682 21	7350.895 03	0	329.6690 78	657.0878 52	112.8711 61	1099.628 09	0	9.356503 47	18.60123 27	3.072566 22	31.03030 24	EnzymeReg
3.365132 18	12.58049 03	21.48390 24	6.810285 23	44.23981 01	484.5055 23	1833.798 27	3106.289 69	959.9256 61	6384.519 14	77.17954 43	288.6704 89	491.1644 23	154.5118 86	1011.526 34	2.125795 13	8.027311 82	13.56582 5	4.299880 03	28.01881 2	EnzymeReg
2.196557 67	14.69375 42	19.37005 67	8.385931 22	44.64629 98	307.5460 74	2094.616 1	2820.401 81	1290.366 6	6512.930 58	50.27363 06	334.9646 24	442.2398 81	193.5838 63	1021.062	1.375514 32	9.194140 81	12.09351 2	5.406355 34	28.06952 24	EnzymeReg
3.294481 73	25.31716 09	13.67348 83	7.154663 04	49.43979 4	498.4622 43	3863.801 67	2110.862 04	1053.410 48	7526.536 43	76.34131 29	585.2182 37	316.6544 46	164.0325 47	1142.246 54	2.226155	16.71662 22	9.036727 85	4.601915 42	32.58142 04	EnzymeReg
0.594645 14	19.05376 09	20.17140 89	5.223138 17	45.04295 31	89.85912 63	2980.190 73	3166.384 89	759.8112 57	6996.246	13.67493 04	441.7833 47	468.2319 68	119.0202 94	1042.710 54	0.387813 61	12.49166 82	13.16723 93	3.265963 79	29.31268 49	EnzymeReg
1.384308 83	14.42902 17	12.92530 7	16.51475 49	45.25339 24	198.6316 06	2014.499 38	1840.602 23	2384.166 15	6437.899 37	31.63847 32	326.0868 49	293.2774 3	376.8328 35	1027.835 59	0.901408 58	9.047557 77	8.112503 62	10.47581 17	28.53728 16	EnzymeReg
0.211559	7.856367 3	20.87670 68	19.52355 97	48.46819 28	30.45275 79	1208.116 84	3164.527 01	2890.733 46	7293.830 06	4.796183 06	181.2227 32	479.8158 23	446.3133 85	1112.148 12	0.131518 35	5.110719 01	13.47171 05	12.48794 66	31.20189 44	EnzymeReg
2.509520 11	12.13254 97	22.95091 93	8.139302 88	45.73229 21	402.9858 89	1792.470 27	3380.142 2	1214.211 57	6789.809 93	58.33167 92	278.0047 44	524.0333 2	185.9522 76	1046.322 02	1.633945 28	7.668870 26	14.42700 61	5.088276 32	28.81809 8	EnzymeReg
8.840693 6	25.79232 41	5.498449 77	4.862224 1	44.99369 16	1314.737 7	3786.895 53	776.4007 49	673.9911 24	6552.025 11	202.6884 94	589.7730 6	124.4426 4	109.6602 38	1026.564 43	5.704012 5	16.48792 2	3.411351	2.966159 81	28.56944 53	EnzymeReg
11.81369 69	23.59153 11	5.721513 5	4.617550 48	45.74429 19	1693.784 54	3414.804 97	795.2915 13	633.6903 21	6537.571 34	268.9339 21	538.8109 51	129.3324 03	104.4577 21	1041.535	7.454642 74	15.12538 49	3.588464 53	2.877100 79	29.04559 29	EnzymeReg
3.051727 16	16.57692 31	21.93945 94	7.720648 89	49.28875 85	458.7815 85	2521.676 08	3298.949 25	1156.281 88	7435.688 8	69.72833 31	380.5929 11	501.9089 75	176.5412 25	1128.771 44	1.908864 03	10.55050 28	13.76958 55	4.830187 2	31.05913 96	EnzymeReg

8.70348264	27.3709638	7.04197399	7.50403257	50.620453	1325.10658	4229.57949	1118.85779	1170.26848	7843.81235	199.941545	632.399024	163.345198	173.482461	1169.16823	5.54877747	17.6964581	4.57664649	4.90983112	32.7317131	EnzymeReg
6.34245565	25.8396565	7.43615484	7.70273311	47.321001	993.00145	4007.03418	1139.82116	1178.95276	7318.80956	146.088825	595.624945	170.012513	175.990529	1087.71681	4.00079728	16.2006019	4.5298727	4.67077767	29.4020495	EnzymeReg
2.36862058	24.5599991	17.5646537	2.83824219	47.331515	388.025515	3845.5379	2680.78144	406.160638	7320.50549	55.5569986	569.367956	404.906402	64.4575256	1094.28888	1.60179116	16.1819358	11.4155695	1.82409673	31.0233937	EnzymeReg
3.07481252	16.5348872	22.0673957	7.284154	48.961249	478.201416	2441.06069	3193.84771	1068.65655	7181.76636	71.3013709	378.482037	503.073725	166.50683	1119.36396	2.05406881	10.6596644	14.14781	4.77875802	31.6403013	EnzymeReg
2.12671748	9.56293335	25.3269488	12.0307707	49.047374	333.719605	1475.41442	3883.56033	1829.18644	7521.88079	49.370698	221.439534	585.305573	276.610346	1132.72615	1.41189614	6.3337981	16.6558204	7.77976835	32.1812827	EnzymeReg
1.05238045	13.8039594	23.3100615	10.9774019	49.143833	163.462497	2080.54784	3460.98218	1596.4922	7301.48471	24.424183	317.528829	534.274624	250.954333	1127.18197	0.70893022	8.9984312	15.047715	7.01125955	31.7663333	EnzymeReg
13.1209183	13.6736754	12.1856624	9.52588616	48.506142	1934.34956	1951.84583	1846.51684	1374.81549	7107.52773	300.146894	311.042208	281.090686	217.532131	1109.81192	8.45689029	8.7739967	8.05388237	6.12344601	31.4082113	EnzymeReg
7.03300856	22.6543954	16.6593638	2.91201212	49.258779	1102.5884	3509.28273	2499.90084	447.266866	7559.03884	162.878613	523.745382	382.745766	67.4782898	1136.84805	4.64450054	14.939171	10.790751	1.94373632	32.3181597	EnzymeReg
2.87265956	21.0908627	19.6475893	2.96264231	46.573753	414.356114	3165.88197	2861.96389	431.331473	6873.53345	65.5887229	484.445285	448.060826	67.627498	1065.72233	1.87905821	13.6889386	12.471820	1.90325404	29.9430717	EnzymeReg
3.95967185	28.6815196	14.3592372	2.63974845	49.640171	594.342591	4394.03338	2174.43209	398.058865	7560.86693	91.1740552	661.051213	329.965361	60.6338567	1142.8245	2.61840054	18.6918382	9.2782491	1.72576161	32.3142495	EnzymeReg
1.80393681	13.6957671	20.554951	11.2038701	49.158009	265.637213	2073.07776	3069.77903	1729.19102	7413.73455	41.698058	314.948726	472.411164	257.871607	1130.22628	1.16027592	8.7076168	13.006798	6.97999997	31.0304526	EnzymeReg
2.52122775	10.4878157	23.2120267	7.25790392	43.47897	374.074199	1556.94079	3421.89389	1034.03586	6386.94473	58.086834	241.758859	531.98308	165.077816	996.906589	1.61011939	6.6932051	14.588664	4.45950654	27.3514959	EnzymeReg
3.53805684	19.5768348	20.7099939	4.91025046	48.871682	566.942672	3079.76826	3171.52939	734.432351	7573.02052	82.501404	454.95146	477.565326	112.455521	1130.59712	2.36592023	12.987488	13.455437	3.12047338	32.0158662	EnzymeReg
0	17.2798366	24.3744381	8.90117573	50.555404	0	2586.10617	3590.98492	1295.28717	7472.37826	0	395.862642	556.767668	203.423732	1156.05404	0	11.091809	15.57970	5.70169779	32.3732112	EnzymeReg
3.70822817	25.0927336	15.2505539	4.83066528	48.882189	590.784966	3880.29054	2337.93225	708.695088	7517.70284	86.457652	580.023673	350.900233	109.677752	1127.05931	2.49563149	16.435193	9.7350776	2.91651361	31.5824159	EnzymeReg
1.56082549	12.4015669	22.4422145	11.4670097	47.871666	252.247092	1925.98684	3407.32656	1746.27506	7331.83554	36.428528	286.487392	516.362216	264.113207	1103.39134	1.02735175	7.9519671	14.203047	7.26265092	30.4450172	EnzymeReg
0.97170513	18.6049176	22.1108363	9.12339954	50.810884	149.676778	2810.66771	3387.83255	1434.93075	7783.10779	22.345542	426.956266	508.198893	210.219032	1167.71975	0.62935995	12.072864	14.182086	5.77263116	32.6569444	EnzymeReg
9.69971051	31.0420987	5.90806109	2.85417848	49.504087	1532.64076	4830.26581	886.59546	417.240883	7666.74292	225.496861	718.372088	135.302601	65.0257761	1144.19733	6.39887154	20.308301	3.7784192	1.78908231	32.2746741	EnzymeReg
2.96044341	20.7822341	23.8507806	2.46955309	50.463453	468.309407	3223.53059	3731.59614	362.092365	7840.82357	69.035971	480.892611	551.737659	56.2380762	1167.01581	2.03315288	13.770372	15.536082	1.53272375	33.1212739	EnzymeReg
0	14.6899812	21.2743268	11.7147825	47.679096	0	2339.70664	3301.18782	1802.07875	7442.97321	0	341.265849	490.722652	269.564536	1101.55304	0	9.7105083	13.717817	7.44700498	30.8753248	EnzymeReg
9.24211257	22.8884986	12.5651704	5.21994331	49.915724	1366.91577	3447.44364	1890.62405	854.015969	7558.99943	210.66435	523.978271	287.909416	122.250428	1144.80247	5.88979536	14.548503	8.0204193	3.53728404	31.9960018	EnzymeReg
5.84096323	25.6790026	9.99446541	5.23233342	46.746767	879.191632	3854.93242	1549.76082	825.897819	7109.78269	133.958586	587.950088	230.063186	120.64576	1072.61762	3.75185032	16.319208	6.3920577	3.28257995	29.7456963	EnzymeReg
2.68782913	21.0366813	16.5736922	9.66823612	49.964388	407.031748	3237.81059	2608.62211	1511.20023	7764.66469	61.858519	486.625201	385.670392	224.204042	1158.35779	1.76677656	13.910868	11.033648	6.33299251	33.0442782	EnzymeReg
2.15545598	14.8033028	22.4516975	10.665324	50.075786	354.706143	2319.83205	3531.67955	1637.63742	7843.85516	50.795148	343.275365	520.526374	245.472136	1160.06902	1.48847992	9.8423761	14.752253	6.83997861	32.9230798	EnzymeReg
2.97975739	17.2868095	20.9366054	6.92298481	48.126571	464.433313	2650.13021	3133.25484	1068.11029	7315.92866	68.958884	398.989828	480.170339	159.902704	1108.02176	1.95239161	11.342316	13.517230	4.47553404	31.2874731	EnzymeReg
0.81701897	16.5791331	24.3509143	7.55677191	49.303883	119.088561	2512.48903	3647.9348	1133.45869	7412.97108	18.609469	381.878704	560.528157	174.086352	1135.10271	0.52534268	10.903873	15.896249	4.90699291	32.2324555	EnzymeReg
3.70233361	20.5004965	21.530591	3.10307063	48.836417	564.931557	3151.02966	3306.06833	465.572563	7487.6021	85.486364	473.135985	496.608013	71.1873793	1126.41769	2.44801458	13.422414	14.030435	2.00452844	31.9054014	EnzymeReg
2.11751288	12.0523147	20.0866706	14.8915021	49.148003	342.773864	1910.04548	3137.15084	2270.06981	7660.03999	49.696906	280.405566	464.973214	343.150341	1138.22607	1.43910237	7.9806059	13.099272	9.68742872	32.2064103	EnzymeReg
4.57741225	15.0595148	22.1131178	7.18671679	50.41651	676.8066	2264.53129	3279.55201	1062.45996	7516.70567	105.35709	346.561684	505.156502	163.778748	1155.12511	3.08233512	10.023249	14.122858	4.53085435	32.7261788	EnzymeReg
0.84385068	16.0194995	20.0533504	7.43853509	44.355238	136.409151	2374.01497	2968.23881	1102.32695	6580.98989	19.761564	366.569691	458.631686	171.307808	1016.27075	0.572036	10.272058	12.789049	4.80647423	28.4396186	EnzymeReg
1.5958975	11.2493513	22.2783161	14.7254112	49.848976	245.974667	1711.37689	3282.94831	2151.43719	7391.73705	36.780534	258.369788	508.501236	336.248309	1139.89987	1.05084889	7.3163984	14.298507	9.42308666	32.0888417	EnzymeReg

3.19561087	16.9370909	22.3354206	6.46470611	48.9328284	481.472112	2523.64589	3334.78534	951.999129	7291.90247	73.7699117	389.324596	512.087608	147.997165	1123.17928	2.09999748	10.9929461	14.3763918	4.12784312	31.5971785	EnzymeReg
3.5953343	21.9766045	17.2649042	5.58479873	48.4216417	538.939446	3297.20934	2563.22579	825.683857	7225.05844	82.7208826	504.943363	395.896558	127.809996	1111.3708	2.37364161	14.2546079	11.1508668	3.56969628	31.3488126	EnzymeReg
11.5032555	14.1568469	13.80795	9.31128538	48.7793377	1759.96957	2168.58247	2054.37259	1394.292119	7377.21682	266.182794	327.704106	316.927148	213.448974	1124.26302	7.86238956	9.7123604	9.2161696	6.10551125	32.8964309	EnzymeReg
3.20272941	19.9558912	21.1465446	3.65970673	47.9648719	495.464213	3009.33728	3189.23342	533.972715	7228.00763	74.1073839	458.737979	485.626128	83.4099409	1101.88143	2.13517751	13.0298289	13.6647541	2.30382551	31.1335861	EnzymeReg
2.03197337	13.3622938	20.3297101	12.5207136	48.2446908	306.392514	2026.86798	3049.07981	1874.237676	7256.57807	46.8288422	308.056719	467.506103	287.903804	1110.29547	1.34155888	8.7937475	13.2721904	8.13106285	31.5385589	EnzymeReg
4.58256851	16.5065003	20.6839749	8.66518526	50.438229	677.200416	2479.52687	3067.0868	1296.12991	7519.944	105.464128	379.781296	472.318051	198.020251	1155.58373	3.08716804	10.9832551	13.1764646	5.49383121	32.7407189	EnzymeReg
4.77023966	24.3600995	18.7315819	2.26958823	50.1315093	719.316646	3744.65416	2859.69472	328.418991	7652.08451	109.591169	562.469502	431.123625	51.6494778	1154.83378	3.09660498	16.0034724	12.1345116	1.42511394	32.6597029	EnzymeReg
5.50934928	23.5004819	12.6898921	7.83854647	49.5382697	826.473952	3526.55107	1903.98771	1189.747663	7446.76037	126.396415	539.352915	290.960115	180.251028	1136.96047	3.54391697	15.1122709	8.14970684	5.08251246	31.8884072	EnzymeReg
2.84153381	17.0192076	22.2809818	5.90527518	48.0469984	445.447809	2609.62165	3420.89523	926.779288	7402.74398	65.7547573	391.924425	513.150272	136.549682	1107.37914	1.86939434	11.0163601	14.3908814	3.81929704	31.0959328	EnzymeReg
11.5494717	29.5222141	6.89118725	2.31601737	50.2788904	1852.39042	4607.03919	1023.40996	347.285147	7830.12472	269.457707	684.257608	157.614545	52.9668102	1164.29667	7.81042403	19.4938538	4.3959273	1.42985845	33.130061	EnzymeReg
1.39674661	15.7065642	21.1320738	8.39962332	46.635008	215.55118	2407.37502	3216.30507	1229.967775	7069.19902	32.2065424	361.636917	486.496166	191.647187	1071.98681	0.90399269	10.0749063	13.55939	5.28035897	29.8186479	EnzymeReg
14.5584722	24.3377063	6.01508715	4.28363655	49.1949022	2242.40726	3687.46573	871.651206	626.716644	7428.24084	335.259821	558.514645	136.564607	97.3573546	1127.69643	9.33874958	15.6668938	3.7389551	2.63611909	31.3807176	EnzymeReg
4.69512239	18.7579765	17.7287316	7.78432383	48.9661543	719.747949	2938.41916	2779.63468	1181.292009	7619.09388	108.14005	434.90302	411.149578	179.361764	1133.55441	3.04412457	12.390394	11.6870701	5.05590181	32.1774905	EnzymeReg
5.38220112	23.6951723	17.8921358	2.43316944	49.4026786	843.213602	3759.32875	2789.8322	362.517591	7754.89215	124.860582	550.85407	413.856788	55.5972746	1145.16872	3.53035338	15.6201293	11.7023035	1.51920591	32.3719921	EnzymeReg
3.06194462	13.1300361	28.0092841	4.31104099	48.9561528	475.86487	2046.55042	4275.44217	665.838293	7532.16238	70.8388594	304.237267	646.452019	99.7236083	1131.44727	2.03245147	8.7056315	18.3223868	2.81862457	32.1604145	EnzymeReg
2.90182991	14.0776986	16.6010279	14.9162596	48.496816	482.173731	2200.65723	2566.13287	2290.11736	7539.08118	68.6603445	327.740374	384.317302	344.640509	1125.35853	2.03295265	9.4816111	10.933463	9.72868513	32.1767118	EnzymeReg
5.75662185	13.5183902	13.3555164	11.6660831	44.2966115	842.750834	1968.52877	1941.89194	1715.16571	6468.33726	132.535158	309.638458	307.575477	269.476137	1019.22523	3.68689333	8.5574899	8.5576541	7.54250681	28.3445433	EnzymeReg
2.58662279	12.1444186	21.5187965	11.8937293	48.1435672	405.118564	1884.16712	3263.3477	1756.98517	7309.61855	60.140018	281.008173	495.773004	272.486106	1109.4073	1.72362242	8.0127006	14.030973	7.64599991	31.4132947	EnzymeReg
0	16.6950852	23.5446608	10.3926287	50.6323747	0	2507.5125	3479.77085	1519.356191	7506.64025	0	382.793365	538.282477	237.864521	1158.94036	0	10.7493865	15.0943755	6.68027025	32.5240323	EnzymeReg
1.55159061	19.8496807	21.0682105	3.37750642	45.8469883	235.549862	2911.37837	3118.34979	511.550604	6776.82863	35.6400473	454.06375	482.520447	77.4696822	1049.69393	0.97237824	12.5713055	13.2908483	2.12693496	28.961467	EnzymeReg
2.41968015	14.7746452	22.7343725	7.86970395	47.7984018	372.366246	2226.36346	3487.10415	1196.3704	7282.20425	56.0680406	340.442665	525.8621	181.544496	1103.9173	1.60742638	9.7222571	15.0023083	5.17492393	31.5069113	EnzymeReg
4.73804271	18.3964812	17.3353644	8.57306796	49.0429562	714.621178	2811.7967	2542.70927	1238.47751	7307.60466	109.059669	424.319426	395.614431	194.956609	1123.95014	3.09751366	12.0515844	11.1296904	5.46236551	31.7411535	EnzymeReg
0	11.5755662	27.5782165	7.41061449	46.5643972	0	1641.21203	3950.29908	1053.0203	6644.53141	0	262.633262	626.805076	168.172084	1057.61042	0	7.3848702	17.5585762	4.62666835	29.5701148	EnzymeReg
5.18001047	17.8363589	19.8172954	6.47545542	49.3091202	803.652805	2713.4995	2996.65505	982.257166	7496.06452	120.150404	410.644326	455.667603	148.763184	1135.22552	3.40763844	11.5797888	12.8372666	4.17764202	32.0023358	EnzymeReg
2.868364	17.8450492	22.8132002	4.78362749	48.3102409	431.532842	2681.88765	3426.59333	698.762103	7238.77593	65.9508302	409.528979	523.332148	108.956678	1107.76864	1.896945	11.6339753	14.7711581	3.04876491	31.3508433	EnzymeReg
3.76092593	25.216459	15.5523638	1.92800956	46.8626019	541.609294	3703.76004	2284.92191	296.299427	6891.30415	85.965971	576.427329	355.300591	44.3605571	1071.49848	2.46017948	16.2425253	9.8554514	1.20916908	30.0332705	EnzymeReg
3.56774564	20.2516052	22.5935994	2.98311561	49.3960659	550.196661	3076.84801	3408.61865	433.481983	7469.14531	82.592371	467.053898	521.127568	68.0904085	1138.86425	2.39614326	13.3558242	14.8578695	1.92845201	32.5382889	EnzymeReg
2.00585697	19.4392991	17.5539615	10.4424277	49.4415453	308.185151	3054.82855	2701.59377	1598.76685	7663.37432	46.4782028	451.855524	405.379959	240.30289	1144.01658	1.34887074	12.9961338	11.4196338	6.63958239	32.4042208	EnzymeReg
2.62189305	16.8555516	23.6693713	7.0012297	50.1480457	452.989154	2712.08813	3652.19779	1030.54571	7847.82079	62.4108215	393.764021	547.013931	159.933851	1163.12262	1.85153512	11.340552	15.4778953	4.42342402	33.0934064	EnzymeReg
1.26129663	21.377818	21.4291407	4.97015558	49.0384109	187.296752	3216.56478	3208.03515	729.602478	7341.49916	29.0356042	491.996701	491.948219	113.801301	1126.78183	0.83364186	14.0459454	13.8580342	3.18625153	31.923873	EnzymeReg
4.24266349	19.3789555	20.3567928	5.37061315	49.3490249	679.120885	2935.5336	3076.32567	815.894007	7506.87417	99.122196	446.547525	468.252727	123.383993	1137.30644	2.85606372	12.6602474	13.1797127	3.40061523	32.0966391	EnzymeReg

7.579053 44	23.67045 42	11.86659 51	5.230216 46	48.34631 92	1119.809 2	3547.091 95	1783.520 58	775.5647 24	7225.986 45	173.2067 18	542.7397 72	272.6315 4	119.5810 07	1108.159 04	4.850516 27	15.25058 04	7.705848 15	3.340662 62	31.14760 75	EnzymeReg
1.873735 96	5.659890 08	26.99199 17	12.47514 34	47.00076 12	276.7828 52	850.2067 3	4056.776 45	1870.148 94	7053.914 98	42.92935 97	129.9215 11	619.9457 88	286.7238 53	1079.520 51	1.222815 44	3.699711 73	17.60502 32	8.146046 71	30.67359 71	EnzymeReg
3.815097 41	29.72809 77	12.23165 82	3.367822 01	49.14267 53	593.5417 1	4518.962 61	1833.878 61	532.8705 08	7479.253 43	87.98946 91	683.8774 56	279.6662 72	77.91251 8	1129.445 72	2.482599 59	19.32801 86	7.761861 94	2.175699 38	31.74817 95	EnzymeReg
10.71841 76	30.47830 36	6.955663 95	2.278979 49	50.43136 46	1722.888 6	4818.516 79	1037.217 24	353.0988 82	7931.721 51	250.2249 21	708.2770 85	159.1805 4	52.65854 94	1170.341 1	7.261373 41	20.25225 52	4.422831 49	1.502545 27	33.43900 53	EnzymeReg
2.265969 09	18.47698 01	18.99839 37	10.92591 6	50.66725 88	344.2984 58	2820.165 63	2937.191 95	1668.166 08	7769.822 12	52.41490 31	427.8292 48	440.6636 11	251.8315 8	1172.739 34	1.528087 34	12.32573 87	12.64949 81	7.089087 73	33.59241 18	EnzymeReg
10.31106 49	33.66004 49	3.680024 45	1.611668 68	49.26280 29	1591.060 43	5197.958 04	554.4039 08	236.7062 04	7580.128 58	238.1253 41	777.3136 52	84.50787 07	36.76262 18	1136.709 49	6.757479 59	21.87443 89	2.353113 76	1.024459 72	32.00949 2	EnzymeReg
3.698834 77	16.54765 95	21.96788 36	9.040818 59	51.25519 65	571.4085 64	2619.583 46	3430.423 45	1381.393 04	8002.808 51	86.20059 15	385.9923 69	508.8640 35	207.5157 97	1188.572 79	2.536025 84	11.26959 93	14.55687 38	5.747231 44	34.10973 04	EnzymeReg
3.171656 68	20.52764 4	20.71561 2	3.998053 46	48.41296 61	475.2343 3	3093.455 09	3081.773 24	595.3885 79	7245.851 23	72.69290 17	471.5716 14	474.6018 15	91.35894 46	1110.225 28	2.058575 67	13.39944 77	13.41848 28	2.545235 47	31.42174 16	EnzymeReg
2.164437 75	11.63984 78	24.46280 75	10.64357 7	48.91067	316.8132 29	1740.478 58	3702.299 36	1588.988 03	7348.579 2	49.49476 11	267.4267 14	562.6174 26	244.3754 26	1123.914 33	1.401581 29	7.571532 33	15.88096 87	6.910181 58	31.76426 39	EnzymeReg
2.413950 13	14.87379 68	19.31655 86	12.12632 56	48.73063 12	352.1747 36	2213.008 45	2957.169 88	1856.643 71	7378.996 77	55.19630 04	341.5586 34	446.3404 86	279.8815 22	1122.976 94	1.570538 29	9.689590 24	12.71559 1	7.891664 44	31.86738 4	EnzymeReg
3.147149 36	16.01341 28	24.22098 02	4.963417 76	48.34496 01	483.9479 87	2391.999 71	3507.111 41	713.2018 14	7096.260 92	72.90810 42	367.8678 78	552.1423 43	112.7500 95	1105.668 42	2.095728 68	10.46006 48	15.61389 02	3.123933 12	31.29361 67	EnzymeReg
4.674567 45	26.65288 42	9.946586 99	5.214074 5	46.48811 31	702.0012 11	3988.854 56	1534.995 79	824.4215 6	7050.273 11	107.0615 41	609.7109 7	228.7903 77	120.2548 35	1065.817 72	2.987887 5	16.88454 18	6.360251 45	3.262799 46	29.49548 02	EnzymeReg
1.389584 32	15.02708 94	24.56266 86	10.73608 91	51.71543 13	207.2124 22	2237.621 51	3686.823 21	1615.379 32	7747.036 46	31.84205 79	344.1167 49	562.9743 66	245.8812 82	1184.814 46	0.907049 97	9.711815 53	15.81193 04	6.836629 15	33.26742 5	EnzymeReg
1.357409 18	16.33861 24	17.69837 54	13.07141 37	48.46581 07	209.2877 47	2522.421 93	2716.205 1	2033.429 07	7481.343 84	31.29380 89	377.3859 89	407.9712 21	302.4666 76	1119.117 7	0.882387 92	10.58879 13	11.34446 63	8.466932 99	31.28257 85	EnzymeReg
0.597011 28	16.72297 25	19.39986 42	11.95880 42	48.95578 53	96.49354 46	2732.148 08	3049.616 31	1820.515 54	7740.259 07	13.94704 58	392.0388 41	450.4190 01	275.1823 32	1137.925 41	0.400831 7	11.30920 17	12.79475 24	7.698578 9	32.37671 04	EnzymeReg
0.671959 42	15.29664 92	23.76953 64	8.242079 54	48.28970 15	102.3824 5	2412.112 18	3663.140 22	1242.344 06	7468.968 31	15.48395 41	354.9467 42	548.4945 31	189.2876 19	1115.426 89	0.445032 27	10.12808 11	15.41975 56	5.291608 07	31.49305 16	EnzymeReg
3.331019 52	18.97106 62	21.46434 47	5.998630 37	49.76506 08	509.3543 68	2918.724 95	3297.218 63	918.7126 18	7644.010 57	76.97647 12	438.4242 17	495.5855 92	138.1779 31	1149.164 21	2.199508 01	12.40780 36	14.03823 06	3.883057 29	32.52859 95	EnzymeReg
8.303404 57	22.82264 36	10.90716 52	4.694049 61	47.53376 8	1247.494 78	3398.953 89	1595.130 26	668.8265 64	7024.511 93	191.7682 81	522.6815 47	248.2689 99	106.7221 59	1087.772 78	5.396328 79	14.42488 6	6.788167 94	2.996392 73	30.12739 22	EnzymeReg
2.066287	13.54927 61	23.27979 35	9.338010 71	48.23336 73	315.2813 44	2058.490 59	3525.683 12	1389.540 61	7288.995 67	47.63031 46	312.1398 69	535.5638 27	213.9584 16	1109.292 43	1.356645 06	8.875211 11	15.17684 52	5.980741 35	31.38944 27	EnzymeReg
6.987532 2	23.92509 27	13.55399 65	4.679146 66	49.14576 8	1079.828 96	3649.681 7	1998.212 49	670.6342 06	7398.357 35	161.2457 56	551.0841 84	309.8543 58	106.0267 58	1128.211 06	4.558283 51	15.62785 66	8.744377 71	2.911846 98	31.84236 48	EnzymeReg
5.358473 9	22.93017 67	17.28308 86	3.557685 15	49.12942 44	791.9694 34	3482.421 76	2594.485 15	522.8860 13	7391.762 36	122.7251 06	528.3127 35	397.0177 05	81.17679 34	1129.232 34	3.424683	15.00155 04	11.14869 83	2.259788 26	31.83472	EnzymeReg
8.840769 8	31.97741 13	5.106010 37	3.156799 9	49.26235 62	1341.398 11	4919.087 05	749.5340 35	458.6651 67	7494.913 96	203.7362 17	737.2659 6	116.5851 32	71.92405 79	1133.640 76	5.827734 18	20.75573 81	3.271042 48	2.012570 71	31.98464 66	EnzymeReg
3.821826 66	24.70355 45	17.36390 78	2.748572 99	48.63786 19	592.4835 16	3727.720 45	2559.905 14	392.6081 89	7272.717 3	88.52797 41	567.8005 75	397.3324 65	62.33648 64	1115.997 5	2.523322 31	15.98619 1	11.09161 69	1.687285 36	31.28841 55	EnzymeReg
3.143713 3	23.88485 76	19.94835 38	1.737348 83	48.71427 35	503.8400 09	3771.853 1	3077.519 7	259.5195 53	7612.732 36	73.51695 72	554.3007 15	459.4361 76	39.75302 48	1127.006 87	2.109605 94	15.62431 26	12.76615 42	1.101856 13	31.60192 88	EnzymeReg
2.203561 34	14.10539 86	17.81495 69	15.35125 41	49.88444 32	341.2249 12	2165.151 58	2758.367 06	2313.341 99	7637.194 32	51.00348 54	325.6361 73	411.7376 31	352.4258 75	1150.079 81	1.468070 89	9.281891 71	11.66364 36	9.839414 21	32.50190 19	EnzymeReg
17.60127 11	27.10298 49	2.004335 23	1.948161 18	48.65675 24	2638.617 61	4088.903 95	282.7681 15	267.9561 84	7278.245 86	403.7871 7	621.9232 06	45.42542 79	43.97887 03	1115.114 67	11.30115 82	17.45365 33	1.279062 49	1.217468 95	31.25134 29	EnzymeReg
5.907127 98	27.32252 54	11.53301 54	4.103696 41	48.86636 51	922.7557 97	4174.426 45	1715.869 87	605.8211 19	7418.873 23	136.3152 49	629.0421 22	263.1415 7	93.28729 77	1121.786 24	3.833099 57	17.72015 9	7.328282 04	2.557954 81	31.43949 54	EnzymeReg
13.49149 94	31.17745 92	2.221608 18	1.834693 58	48.96078 52	2048.809 33	4726.490 83	330.5736 49	281.4890 84	7424.450 31	309.7537 68	715.3892 84	50.71197 14	41.98185 54	1123.242 57	8.711404 22	19.96238 03	1.397451 41	1.139314 71	31.35707 87	EnzymeReg
0	7.160298 05	25.16871 74	16.25714 39	48.58615 94	0	1057.558 37	3730.282 37	2382.146 48	7169.987 22	0	163.5687 16	576.9007 9	372.0506 07	1112.520 11	0	4.607278 92	16.47411 12	10.52131 43	31.60270 44	EnzymeReg
14.66899 34	24.49676 27	7.471741 85	2.377870 12	49.01536 8	2261.187 32	3716.943 46	1099.092 63	344.6651 35	7421.888 55	337.6724 02	561.4827 92	169.9161 76	53.89239 73	1122.963 77	9.307298 13	15.51031 28	4.692176 22	1.489656 56	30.99944 37	EnzymeReg
8.525759 11	17.28036 77	14.16591 72	5.927415 17	45.89945 92	1261.354 65	2553.814 69	2072.850 59	881.7931 22	6769.813 05	196.2649 77	396.0569 31	323.7284 94	136.0045 18	1052.054 92	5.415645 01	10.91679 77	8.937001 81	3.799216 58	29.06866 11	EnzymeReg

1.589952 1	15.73388 06	22.24562 5	9.096209 9	48.66566 77	245.6794 18	2380.041 77	3329.694 31	1372.167 22	7327.582 72	36.57717 56	362.0652 57	510.3997 78	208.4895 65	1117.531 78	1.001734 6	10.21322 97	14.41225 22	5.836636 94	31.46385 34	EnzymeReg
3.044815 84	20.97189 05	19.53008 13	4.255815 18	47.80260 28	469.7315 38	3126.855 37	2964.985 45	653.6024 88	7215.174 84	70.27584 91	480.9792 72	449.7043 82	98.34201 76	1099.301 52	1.986833 12	13.50813 23	12.56728 52	2.781550 64	30.84380 13	EnzymeReg
0.570718 72	16.62809 99	23.64705 78	7.316773 42	48.16264 99	89.45963 92	2557.114 25	3515.220 67	1079.032 28	7240.826 84	13.23738 52	384.4463 01	542.7697 2	167.6223 84	1108.075 79	0.385764 31	11.16251 48	15.50419 47	4.685562 02	31.73803 58	EnzymeReg
3.782528 71	24.76523 27	18.69159 48	2.813488 33	50.05284 46	595.1692 71	3728.638 14	2820.244 47	439.4049 02	7583.456 77	88.19368 95	569.2736 39	430.4109 18	65.04659 76	1152.924 84	2.583775 64	16.08150 08	12.03516 27	1.794867 22	32.49530 63	EnzymeReg
7.672499 98	32.45047 92	8.130888 64	1.499143 74	49.75301 16	1219.487 23	5160.510 2	1279.674 98	240.8818 96	7900.554 3	178.3494 38	754.2912 59	188.3040 14	34.83193 3	1155.776 64	5.049710 47	21.38679 22	5.282124 22	0.971436 78	32.69006 37	EnzymeReg
5.455374 34	33.03356 39	9.766812 54	1.939951 83	50.19570 26	840.0572 29	5128.327 41	1460.260 46	268.9897 54	7697.634 86	125.9323 35	763.5740 36	223.4478 97	43.80959 8	1156.763 87	3.560150 95	21.57826 27	6.188955 58	1.223482 91	32.55085 21	EnzymeReg
4.084385 94	22.90050 52	15.12777 59	5.177422 05	47.29008 91	671.9253 97	3591.820 33	2360.177 99	789.2811 77	7413.204 89	96.06569 46	531.8364 93	350.6480 26	119.4113 9	1097.961 6	2.760974 07	15.02672 87	9.867911 18	3.333607 38	30.98922 14	EnzymeReg
2.061985 63	16.77003 29	24.15513 39	6.200718 65	49.18787 1	316.8933 34	2647.807 92	3770.284 02	951.6993 93	7686.684 67	47.63849 85	390.1442 03	559.8901 1	142.9404 94	1140.613 31	1.375875 77	11.21198 61	15.78339 68	4.002323 67	32.37358 23	EnzymeReg
2.665002 55	12.08135 01	21.27599 83	11.25241 41	47.27476 51	399.2174 69	1862.529 94	3267.223 82	1699.093 79	7228.065 02	61.29729 16	279.0021 77	491.3343 83	258.7606 2	1090.394 47	1.735160 68	7.866707 24	13.82514 89	7.258328 51	30.68534 53	EnzymeReg
0	18.11716 57	21.43444 4	9.580603 34	49.65401 35	0	2647.184 34	3158.383 33	1357.460 08	7234.946 89	0	413.1693 72	489.9050 41	217.5550 34	1132.454 66	0	11.57333 9	13.77427 41	6.040983 07	31.71199 56	EnzymeReg
4.405423 42	20.17519 55	18.30260 55	5.546937 38	48.43016 18	706.5655 17	2990.776 92	2749.620 79	755.5661 93	7202.529 41	102.9426 03	460.9397 6	419.0406 12	124.7270 32	1107.650 01	2.970637 84	12.80620 09	11.50243 6	3.451775 93	30.73105 06	EnzymeReg
3.586243 23	19.76017 37	17.86583 36	4.430118 82	45.64236 93	510.4916 3	2836.401 09	2548.029 03	606.9916 62	6501.913 42	81.53404 69	449.3375 32	405.8052 22	99.96910 82	1036.645 91	2.286566 15	12.48695 97	11.17324 58	2.721372 75	28.66814 44	EnzymeReg
2.312760 77	11.62298 99	27.53593 41	5.772144 21	47.24382 89	366.0923 15	1831.486 74	4275.058 56	877.4949 98	7350.132 62	53.88479 54	270.5007 42	637.2087 35	132.7946 03	1094.388 88	1.568591 4	7.840999 21	18.07542 49	3.720923 96	31.20593 94	EnzymeReg
4.366890 7	23.01380 16	15.16873 94	6.698386 33	49.24781 81	682.7661 12	3554.030 01	2204.459 85	954.0740 85	7395.330 06	102.0433 4	534.5450 84	346.5598 93	152.2084 56	1135.356 77	3.022283 15	15.55742 11	9.763848 1	4.262996 62	32.60654 9	EnzymeReg
5.051468 52	16.20902 58	23.59386 75	1.957409 04	46.81177 08	738.2605 75	2372.131 59	3487.896 85	300.3579 63	6898.646 98	115.8991 8	371.3523 82	540.5880 12	45.32690 91	1073.166 48	3.145181 68	10.20050 61	14.95813 65	1.323071 39	29.62689 57	EnzymeReg
2.020853 39	15.07004 78	27.73532 58	2.945476 59	47.77170 36	300.6709 13	2314.536 13	4326.331 46	437.1662 5	7378.704 75	46.29820 76	347.3297 47	641.9069 06	67.60139 81	1103.136 26	1.316246 22	9.865951 27	18.23050 55	1.888022 02	31.30072 5	EnzymeReg
3.507423 08	24.14697 13	10.17863 09	12.81473 83	50.64776 36	542.1423 12	3762.125 58	1584.607 98	1887.271 28	7776.147 15	80.41943 93	554.3030 77	234.7485 35	291.3802 83	1160.851 33	2.224857	15.17235 14	6.538787 75	7.984256 65	31.92025 28	EnzymeReg
13.60198 07	21.12943 84	10.01587 53	4.195559 76	48.94285 41	2089.210 05	3228.720 93	1463.928 33	617.3054 04	7399.164 72	313.3849 99	485.0436 58	227.6249 3	95.28832 51	1121.341 91	8.685156 11	13.41080 33	6.270448 59	2.622050 45	30.98845 84	EnzymeReg
1.925980 56	12.63962 4	25.95447 63	7.317627 09	47.83770 79	295.8071 23	1981.828 12	4011.460 22	1092.427 42	7381.522 88	44.42198 44	293.2466 7	599.4307 25	167.7288 41	1104.828 22	1.253394 61	8.373015 94	16.96156 53	4.654186 85	31.24216 27	EnzymeReg
1.733045 58	16.72609 12	17.37775 14	12.17942 21	48.01631 03	266.7821 36	2539.729 94	2588.597 22	1863.905 93	7259.015 22	40.05426 26	385.5127 95	399.3577 77	281.3727 4	1106.297 57	1.147123 85	10.94896 83	11.24995 37	7.960824 31	31.30687 02	EnzymeReg
3.180044 82	12.95023 18	13.24856 14	16.18107 24	45.55991 04	475.0709 27	1901.046 94	2070.526 9	2409.996 48	6856.641 24	73.63221 15	297.5067 52	307.5776 12	372.0156 98	1050.732 27	2.054819	8.349508 86	8.605122 88	10.47201 65	29.48146 72	EnzymeReg
2.887222	17.64164 96	24.27157 28	3.945752 42	48.74619 68	427.0184 4	2644.728 04	3673.388 18	577.6685 5	7322.803 21	66.26263 98	405.2202 24	558.2756 02	90.02149 54	1119.779 96	1.892421 74	11.46971 79	15.84473 8	2.498555 06	31.70543 26	EnzymeReg
4.592002 28	21.43156 1	17.31385 14	5.353369 72	48.69078 43	687.7681 49	3122.345 52	2531.633 04	754.9664 15	7096.713 12	105.4385 01	489.8745 1	395.4699 4	121.4747 47	1112.257 7	3.016358 32	13.89644 28	11.10311 27	3.390328 87	31.40624 27	EnzymeReg
2.806826 6	18.80137 4	23.03113 48	4.213656 56	48.85299 19	430.7486 25	2900.203 17	3525.112 89	630.7315 99	7486.796 29	65.02669 23	434.5170 67	531.0363 38	96.61425 66	1127.194 35	1.892502 39	12.38309 4	14.97335 47	2.703515 98	31.95246 7	EnzymeReg
4.829475 78	28.03550 2	14.16936 04	0.635338	47.77071 5	770.6865 34	4288.732 2	2078.101 74	91.64258 67	7243.048 37	112.5591 74	646.9601 13	323.6360 87	14.40334 6	1099.828 67	3.247015 92	18.45948 98	9.112701 75	0.398171 36	31.27988 24	EnzymeReg
2.653608 76	17.79734 88	19.27267 64	9.584487 74	49.30812 17	407.8023 34	2762.997 49	2975.266 31	1462.966 9	7609.033 03	61.31334 09	411.4349 76	444.3453 27	220.2977 27	1137.391 37	1.757604 3	11.71937 09	12.53158 81	6.127060 86	32.13562 42	EnzymeReg
4.702566 85	20.93716 9	18.41082 27	5.899948 73	49.95050 72	759.9842 35	3307.363 23	2948.188 45	928.8066 19	7944.342 52	109.6830 64	485.8286 62	428.1752 21	136.1368 7	1159.823 82	3.123726 08	13.78543 23	12.08598 08	3.738585 99	32.73372 52	EnzymeReg
2.240295 89	15.42748 43	18.58307 03	13.75422 54	50.00507 59	360.1840 3	2393.529 11	2847.687 74	2075.393 74	7676.794 63	52.24341 14	357.0495 99	428.8268 32	315.9784 77	1154.098 32	1.501860 64	10.17889 32	12.19255 98	8.894917 41	32.76823 1	EnzymeReg
6.362507 77	33.45243 01	9.549207 26	1.538427 97	50.90257 31	1020.266 04	5279.037 2	1540.804 86	274.3482 84	8114.456 38	147.9476 28	776.5093 3	222.6786 79	37.08721 08	1184.222 85	4.196377 04	21.96076 25	6.230227 34	1.064031 25	33.45139 81	EnzymeReg
5.701447 5	24.67413 59	13.52931 91	6.148301 93	50.05320 45	862.5944 61	3755.596 01	2079.190 67	936.4697 23	7633.850 86	131.0201 42	567.4524 4	311.2811 79	140.8262 15	1150.579 98	3.710600 39	15.89050 76	8.607473 33	3.876487 51	32.08506 89	EnzymeReg
1.568289 94	8.638652 62	27.16967 97	11.08694 57	48.46356 8	236.9554 41	1326.733 25	4182.513 47	1706.754 26	7452.956 42	36.09156 36	199.5997 35	626.6302 15	255.6413 92	1117.962 91	1.040870 38	5.736236 88	17.69142 32	7.160688 45	31.62921 9	EnzymeReg

0.563879 6	24.44013 97	18.72463 41	4.923700 94	48.65235 43	91.41461 82	3637.836 06	2733.635 85	752.9707 75	7215.857 3	13.30340 35	561.6991 3	427.4884 76	114.0611 73	1116.552 18	0.391618 94	15.96009 73	11.89032 78	3.249060 45	31.49110 44	EnzymeReg
1.699651 26	21.42552 82	20.36950 57	5.094506 57	48.58919 16	250.9093 05	3234.433 98	3026.840 41	715.7048 92	7227.888 59	38.81942 81	491.6360 72	465.5681 06	115.2944 17	1111.318 02	1.091707 29	13.84256 81	12.95927 67	3.164448 72	31.05800 08	EnzymeReg
4.183749 1	16.12889 97	15.85475 56	3.567396 88	43.84566 25	602.8982 33	2304.751 06	2233.892 44	491.0654 18	6200.002 3	95.20160 03	367.1269 01	359.5506 88	81.39297 77	995.9899 44	2.662310 55	10.40209 67	10.13840 73	2.273927 56	28.07913 06	EnzymeReg
0.554272 29	16.78719 79	22.24136 21	9.373443 19	48.95627 54	89.14000 16	2627.371 36	3443.461 52	1457.877 1	7617.849 98	12.95391 84	389.3436 51	514.4657 02	216.5518 84	1133.315 16	0.378472 83	11.22316 4	14.68605 92	6.102290 58	32.38998 66	EnzymeReg
3.060606 18	19.56593 58	20.44928 45	5.596683 46	48.67251	472.3369 87	3011.796 94	3124.890 06	869.6924 6	7478.716 44	70.59660 03	451.8090 63	471.0372 47	129.3755 7	1122.818 48	1.985376 18	12.78693 36	13.30669 89	3.676830 07	31.75583 88	EnzymeReg
2.897052 83	18.63059 13	20.55329 28	6.312497 96	48.39343 49	442.1010 46	2814.854 59	3137.621 33	955.0833 9	7349.660 36	66.89448 02	428.3573 01	473.3928 79	144.9940 11	1113.638 67	1.929796 27	12.18611 23	13.37046 15	4.050783 16	31.53715 33	EnzymeReg
0	16.65373 62	22.34923 11	10.94487 06	49.94783 79	0	2619.772 24	3449.554 53	1624.148 71	7693.475 48	0	386.0525 67	516.3744 53	250.7306 54	1153.157 67	0	10.96208 99	14.68619 19	6.983166 82	32.63144 87	EnzymeReg
1.952457 87	15.85981 23	26.84435 25	5.520637 22	50.17725 99	300.2250 32	2465.336 84	4183.831 94	843.4426 7	7792.836 48	45.11409 97	367.5058 42	621.5052 85	127.0802 3	1161.205 46	1.290913 78	10.52567 93	17.71362 82	3.560507 28	33.09072 85	EnzymeReg
2.941973 09	16.72009 13	22.09528 38	7.371583 78	49.12893 19	452.4953 66	2585.295 12	3307.051 44	1114.740 05	7459.581 97	68.02913 64	387.1998 79	506.8532 85	169.5697 36	1131.652 04	1.958530 05	11.07101 94	14.29781 19	4.778653 88	32.10601 52	EnzymeReg
11.15770 43	32.19550 55	3.633920 8	3.168765 37	50.15589 6	1706.420 31	4865.327 45	549.6887 44	467.7748 95	7589.211 4	256.2704 41	738.1640 24	83.14382 46	72.07021 14	1149.648 5	7.158345 16	20.62855 02	2.265433 03	1.977732 61	32.03006 1	EnzymeReg
2.957387 79	19.06297 62	23.32511 85	3.022756 34	48.36823 88	451.7820 27	2911.427 25	3500.930 73	449.4708 11	7313.610 82	68.14861 12	439.9386 32	535.5632 28	69.18352 9	1112.834	1.940647 99	12.54949 97	15.14311 27	1.930341 82	31.56360 22	EnzymeReg
3.098283 52	18.39986 07	22.38723 47	4.595736 52	48.48111 54	490.1465 02	2892.564 32	3480.162 03	689.4530 91	7552.325 95	72.11501 27	427.0939 23	518.9582 93	105.4908 72	1123.658 1	2.066172 84	12.13282 67	14.66510 97	2.941440 67	31.80554 99	EnzymeReg
3.002198 15	15.36451 83	21.68431 85	9.739898 95	49.79093 39	462.4507 76	2353.618 95	3347.844 34	1477.238 4	7641.152 47	69.71339 56	355.3623 79	500.4635 56	223.6714 44	1149.210 78	2.015210 44	10.09204 89	14.05214 31	6.260593 15	32.41999 56	EnzymeReg
3.782488 8	23.58805 16	17.75916 33	3.425991 69	48.55569 54	576.7901 56	3558.806 71	2682.571 37	522.2327 35	7340.400 97	87.18442 73	542.4471 15	408.5721 44	79.03602 68	1117.239 71	2.478518 75	15.37263 33	11.57988 02	2.237119 35	31.66815 16	EnzymeReg
4.511448 1	13.72873 2	9.729931 66	18.61470 41	46.58481 58	681.7881 5	2015.731 97	1489.376 43	2808.487 88	6995.384 43	104.7744 2	316.1207 34	224.7188 03	429.0172 31	1074.631 19	2.924414 28	8.833808 35	6.273808 63	12.04168 4	30.07371 52	EnzymeReg
1.741949 12	15.04679 19	24.95727 44	6.125632 1	47.87164 75	261.8389 62	2246.555	3779.081 02	921.8151 85	7209.290 16	39.98294 49	345.2527 01	574.0988 02	140.6051 76	1099.939 62	1.123800 78	9.726520 39	16.20525 83	3.943153 88	30.99873 34	EnzymeReg
6.782032 24	29.97795 96	7.865400 5	3.291095 15	47.91648 75	1000.142 38	4501.162	1186.873 42	486.5390 81	7174.716 87	155.0829	687.8176 01	180.6554 84	75.29229 24	1098.848 28	4.395062 24	19.41334 58	5.099263 36	2.120083 38	31.02775 48	EnzymeReg
6.416735 3	25.11250 11	12.20413 47	4.838476 63	48.57184 77	908.1116 22	3605.315 52	1846.436 67	735.6508 81	7095.514 69	145.7242 83	570.6671 33	279.6570 72	110.9924 09	1107.040 9	4.153638	16.05884 38	7.720073 11	3.049493 82	30.98204 87	EnzymeReg
16.47427 23	22.18362 66	6.689821 96	3.738006 85	49.08572 76	2471.091 93	3327.867 39	979.9511 57	515.4031 72	7294.313 65	377.8471 67	509.2354 95	152.7611 2	84.24767 49	1124.091 46	10.57884 5	14.23079 18	4.230207 78	2.324744 83	31.36458 95	EnzymeReg
4.117385 94	14.99026 42	22.32407 51	6.262532 17	47.69425 74	625.9449 86	2322.171 56	3443.024 34	964.0140 56	7355.154 94	94.98047 1	347.1167 49	516.2701 87	144.6444 03	1103.011 81	2.720815 85	9.963365 3	14.65616 68	4.033615 29	31.37396 32	EnzymeReg
2.400723 64	15.91449 72	24.26140 68	6.699593 26	49.27622 1	362.6541 68	2478.369 65	3762.603 24	1027.016 45	7630.643 51	55.40225 23	369.8507 97	562.1522 13	154.3281	1141.733 36	1.575122 42	10.59203 76	15.91128 64	4.329456 84	32.40790 33	EnzymeReg
6.527672 05	20.06507 5	16.63368 15	6.422403 56	49.64883 21	976.5852 91	3053.909 97	2453.348 58	951.6996 08	7435.543 45	150.0288 57	462.0658 28	380.4324 82	147.0198 29	1139.547	4.246395 9	13.15470 58	10.68618 51	4.144049 05	32.23133 58	EnzymeReg
1.451183 29	9.129348 13	27.23893 97	9.156029 44	46.97550 06	228.9064 73	1476.555 68	4312.084 82	1383.197 68	7400.744 65	33.66797 17	212.8993 03	631.9474 36	210.0285 21	1088.543 23	0.945514 73	6.042096 71	17.88094 5	5.833160 47	30.70171 69	EnzymeReg
11.46784 56	23.44316 66	11.09250 33	3.021128 78	49.02464 42	1803.952 58	3660.525 77	1703.171 18	461.4139 21	7629.063 46	267.0322 76	544.3414 25	256.1063 57	69.50200 63	1136.982 06	7.651114 59	15.45129 68	7.213008 08	1.963834 76	32.27925 42	EnzymeReg
7.666042 97	32.54898 53	7.162667 75	1.819219 58	49.19691 56	1168.602 06	4939.484 33	1092.988 43	274.2585 36	7475.333 34	176.3812 23	748.0832 39	164.7404 34	41.88836 48	1131.093 26	4.963646 07	20.99420 45	4.597451 2	1.188970 07	31.74427 19	EnzymeReg
1.446978 75	20.00691 52	21.16640 73	6.136819 78	48.75712 1	220.6474 91	3035.451 54	3174.201 34	957.3844 61	7387.684 83	33.50394 38	461.9131 95	487.1232 38	142.8896	1125.429 98	0.979822 56	13.25739 91	13.73240 89	4.048331 6	32.01796 21	EnzymeReg
1.839490 73	15.92145 24	22.84121 28	7.935584 89	48.53774 09	288.0320 68	2448.348 39	3472.817 44	1226.118 89	7435.316 79	42.66524 82	367.6407 47	525.4324 08	182.2164 81	1117.954 88	1.215434 32	10.40831 18	14.76904 42	4.982277 81	31.37506 82	EnzymeReg
1.318549 66	14.73826 64	25.54795 24	8.644770 73	50.24953 92	203.9827 81	2264.790 37	3977.045 49	1335.348 98	7781.167 62	30.48355 36	340.5774 07	591.5905 17	199.3249 61	1161.976 44	0.865845 19	9.723947 2	16.83556 91	5.572414 42	32.99777 59	EnzymeReg
2.171645 86	14.43349 23	21.21329 51	11.06923 8	48.88767 13	333.1673 86	2193.353 13	3215.313 97	1667.781 52	7409.616	49.79315 43	331.3664 47	486.9497 28	253.7103 08	1121.819 64	1.371950 59	9.260964 73	13.70391 63	7.140601	31.47743 26	EnzymeReg
6.738511 02	19.73891 4	18.80348 13	4.430959 26	49.71186 55	1047.687 05	3037.125 01	2814.464 25	641.2462 36	7540.522 55	156.1344 22	455.5380 15	430.7747 34	100.7104 77	1143.157 65	4.458669 38	12.84658 5	12.05022 59	2.775867 13	32.13134 74	EnzymeReg
1.744077 05	16.19817 34	26.01646 07	5.236222 53	49.19493 38	270.3360 45	2478.371 32	3939.675 66	790.2113 21	7478.594 34	40.34966 46	373.7593 3	597.8877 68	120.2671 29	1132.263 89	1.133681 42	10.60198 16	16.77963 85	3.336044 25	31.85134 58	EnzymeReg

2.753596 89	26.05006 02	16.04737 69	6.080718 12	50.93175 21	422.0711 31	3945.799 84	2433.149 97	906.9518 12	7707.972 75	63.44220 7	598.2185 4	368.8710 85	138.8635 03	1169.395 34	1.796674 96	16.71527	10.33773 85	3.793177 72	32.64286 12	EnzymeReg
10.71933 93	11.98343 67	11.94444 87	14.40521 37	49.05243 84	1506.463 3	1709.320 1	1716.169 97	2083.705 17	7015.658 54	242.2425 55	271.4018 72	271.0755 67	327.9924 94	1112.712 49	6.750507 34	7.510486 32	7.557145 28	9.214492 98	31.03263 19	EnzymeReg
0.421838 38	18.66859 29	21.55836 71	9.187957 06	50.22007 35	63.65239 51	2950.805 72	3310.012 97	1364.242 65	7746.790 99	9.692416 34	433.5339 28	496.6488 09	210.1245 89	1158.809 21	0.276665 69	12.34775 88	13.94348 98	5.808703 29	32.61947 89	EnzymeReg
3.962578 49	21.35725 85	21.00638 48	2.286561 7	48.61278 34	600.4497 76	3248.336 08	3263.181 23	340.9717 21	7452.938 81	91.34378 61	491.9906 37	486.0436 77	52.40984 99	1121.787 95	2.612166 03	13.93084 42	13.71659 52	1.464987 59	31.72459 3	EnzymeReg
2.261434 41	11.96117 46	27.41428 81	5.438254 29	47.07515 14	354.7118 35	1872.745 63	4230.417 99	824.9342 83	7282.809 74	52.56122 32	277.7886 67	633.4372 48	124.9805 2	1088.767 66	1.518527 5	8.001241 58	17.93387 41	3.489931 72	30.94357 49	EnzymeReg
2.083929 12	13.14620 11	26.95327 98	4.413972 17	46.59738 22	316.7101 81	2019.820 26	4083.545 51	664.3119 92	7084.387 94	48.03457 17	303.4535 34	619.9106 87	101.0249 33	1072.423 73	1.352508 74	8.582611 3	17.44328 71	2.780660 16	30.15906 73	EnzymeReg
1.989448 98	13.87724 96	26.44637 33	4.714954 8	47.02802 66	305.2815 34	2126.559 57	4054.097 21	716.0410 45	7201.979 35	45.95439 23	320.1019 75	609.5750 08	108.1802 29	1083.811 6	1.310336 64	9.068470 69	17.17533 35	2.984315 69	30.53845 65	EnzymeReg
2.216609 56	12.25652 15	27.30805 11	5.146658 18	46.92784 03	344.7729 2	1908.778 26	4191.432 04	779.0314 3	7224.014 65	51.40530 77	284.1534 32	630.1434 95	118.1562 46	1083.858 48	1.474805 2	8.141186 06	17.81025 36	3.288199 25	30.71444 41	EnzymeReg
2.064965 28	13.29293 56	26.85153 46	4.474384 74	46.68382 02	314.4162 48	2041.244 74	4077.634 71	674.6949 34	7107.990 63	47.61704 27	306.7951 72	617.8361 32	102.4611 28	1074.709 48	1.344044 05	8.680131 93	17.38950 4	2.821537 45	30.23521 75	EnzymeReg
2.012798 54	13.69658 03	26.57164 87	4.640570 78	46.92159 83	308.1059 78	2100.180 31	4061.374 98	703.2568 7	7172.918 14	46.46848 21	315.9875 25	612.1293 39	106.4118 89	1080.997 23	1.320758 94	8.948396 74	17.24155 48	2.933984 83	30.44469 53	EnzymeReg
0.922730 39	8.630989 22	25.53962 62	12.74935 55	47.84270 13	139.7398	1277.712 66	3784.682 69	1881.008 85	7083.144	21.25610 58	197.5768 57	584.4683 71	291.2889 39	1094.590 27	0.612372 61	5.575204 46	16.41790 43	8.120947 14	30.72642 85	EnzymeReg
0.495683 83	8.218721 52	26.16589 21	12.71671 57	47.59701 31	72.68565 43	1217.288 82	3885.654 35	1887.594 68	7063.223 51	11.34092 52	188.3395 19	599.6936 39	291.1935 69	1090.567 65	0.322532 67	5.299672 54	16.89678 09	8.161820 67	30.68080 68	EnzymeReg
0.647344 48	8.365133 62	25.94348 1	12.72830 73	47.68426 64	96.49915 89	1238.747 65	3849.795 43	1885.255 8	7070.298 05	14.86218 7	191.6200 52	594.2865 61	291.2274 38	1091.996 24	0.425465 97	5.397524 52	16.72671 34	8.147304 91	30.69700 88	EnzymeReg
1.079900 37	8.782719 99	25.30913 56	12.76136 83	47.93312 43	164.4183 71	1299.951 01	3747.521 13	1878.585 01	7090.475 53	24.90528 34	200.9765 62	578.8648 72	291.3240 39	1096.070 76	0.719045 14	5.676611 08	16.24165 88	8.105904 06	30.74321 9	EnzymeReg
1.280527 63	8.976404 11	25.01491 47	12.77670 26	48.04854 91	195.9205 31	1328.338 24	3700.084 46	1875.490 98	7099.834 21	29.56345 34	205.3162 8	571.7120 13	291.3688 44	1097.960 59	0.855212 47	5.806056 48	16.01668 17	8.086701 6	30.76465 22	EnzymeReg
1.207707 5	8.906104 09	25.12170 58	12.77113 68	48.00665 42	184.4864 36	1318.034 75	3717.302 18	1876.613 99	7096.437 36	27.87271 34	203.7411 26	574.3082 31	291.3525 81	1097.274 65	0.805788 87	5.759072 68	16.09833 99	8.093671 37	30.75687 28	EnzymeReg
9.531927 36	30.83519 99	7.013660 54	2.054360 14	49.43514 8	1452.969 03	4748.596 31	1071.129 7	302.2876 28	7574.982 67	219.6953 48	712.3476 09	161.3176 17	46.74408 42	1140.104 66	6.223777 37	20.15576 94	4.501245 54	1.264849 44	32.14564 18	EnzymeReg
9.679059 8	31.03178 77	6.142428 42	2.583784 15	49.43706 01	1511.404 04	4809.307 63	923.4715 33	378.4855 48	7622.668 76	224.3741 43	717.6445 02	140.7387 25	58.87683 67	1141.634 21	6.362124 91	20.29541 08	3.929667 93	1.617115 27	32.20431 89	EnzymeReg
9.663020 74	31.02377 94	6.324457 7	2.373773 3	49.38503 11	1494.909 83	4793.029 76	952.1125 72	348.3849 12	7588.437 08	223.5021 47	717.0793 98	144.9608 74	54.10105 59	1139.643 47	6.333584 41	20.28539 93	4.047140 33	1.483551 28	32.14967 53	EnzymeReg
9.678425 65	31.03147 11	6.149625 48	2.575480 76	49.43500 3	1510.751 9	4808.664 04	924.6039 4	377.2954 32	7621.315 31	224.3396 66	717.6221 59	140.9056 6	58.68801 23	1141.555 5	6.360996 48	20.29501 5	3.934312 55	1.611834 43	32.20215 84	EnzymeReg
9.686499 56	31.03550 24	6.057993 75	2.681198 14	49.46119 38	1519.054 92	4816.858 16	910.1863 26	392.4477 92	7638.547 2	224.7786 21	717.9066 27	138.7802 72	61.09209 29	1142.557 61	6.375363 48	20.30005 47	3.875178 11	1.679069 21	32.22966 55	EnzymeReg
9.603354 95	30.99261 59	6.992712 09	1.608096 55	49.19677 95	1434.585 9	4733.463 13	1057.375 61	238.6377 43	7464.062 38	220.2952 97	714.9759 34	160.4650 92	36.68803 82	1132.424 36	6.228788 85	20.24762 32	4.478501 52	0.996418 1	31.95133 17	EnzymeReg
4.451732 31	21.60977 53	10.82540 76	13.32130 72	50.20822 24	669.1247 78	3280.372 66	1629.733 74	1955.984 97	7535.216 15	101.8045 55	494.9024 94	248.1118 06	302.9830 91	1147.801 95	2.827616 07	13.69848 28	6.963125 47	8.320546 94	31.80977 12	EnzymeReg
5.333934 35	19.32110 19	11.42329 4	13.78838 23	49.86671 26	789.7008 07	2853.988 09	1675.875 46	2021.016 33	7340.580 69	121.7986 59	441.4148 14	260.5581 63	313.7193 84	1137.491 02	3.387892 63	12.35362 79	7.348342 44	8.629236 18	31.71909 92	EnzymeReg
3.916142 33	23.04881 32	10.45857 11	13.03399 32	50.45751 98	597.1033 1	3553.611 58	1604.139 47	1917.012 18	7671.866 54	89.67542 05	528.5931 08	240.5324 73	296.4022 51	1155.203 25	2.485745 31	14.53442 64	6.722451 09	8.129810 99	31.87243 38	EnzymeReg
4.052075 48	22.68358 43	10.55167 45	13.10691 37	50.39424 79	615.3824 14	3484.263 34	1610.635 31	1926.903 51	7637.184 57	92.75380 42	520.0424 04	242.4561 14	298.0724 73	1153.324 8	2.572512 37	14.32226 33	6.783534 44	8.178219 92	31.85653	EnzymeReg
6.590178 73	17.28938 3	12.17920 19	14.36064 59	50.41940 95	990.6382 94	2602.814 75	1801.463 43	2126.200 68	7521.117 15	150.5027 91	395.4036 91	277.7102 44	327.4535 11	1151.070 24	4.143044 64	10.92073 83	7.728354 79	8.986385 54	31.77852 32	EnzymeReg
4.473132 8	21.55227 59	10.84006 52	13.33278 74	50.19826 13	672.0025 29	3269.454 89	1630.756 41	1957.542 2	7529.756 03	102.2891 97	493.5563 24	248.4146 53	303.2460 41	1147.506 21	2.841276 15	13.66508 11	6.972742 06	8.328168 14	31.80726 74	EnzymeReg
10.41488 38	14.30110 16	17.35492 92	9.818417 71	51.88933 23	1639.987 59	2199.037 45	2650.032 77	1443.883 45	7932.941 26	241.7026 57	330.6730 81	399.7623 05	225.1116 41	1197.249 68	6.864581 51	9.405949 51	11.28724 16	6.434728 07	33.99250 07	EnzymeReg
10.40469 35	14.78465 05	17.15585 63	10.11979 12	52.46499 15	1613.179 29	2333.432 78	2717.951 74	1540.310 03	8204.873 85	241.0694 54	344.0730 33	399.1228 1	233.1671 56	1217.432 45	6.981030 72	9.984074 05	11.44841 04	6.560357 87	34.97387 3	EnzymeReg
10.34171 32	14.32273 44	17.40574 14	9.680866 56	51.75105 54	1621.460 92	2189.036 07	2647.314 8	1415.068 57	7872.880 35	239.7272 82	330.7520 97	400.5410 77	221.8002 97	1192.820 75	6.799234 19	9.398872 99	11.29763 1	6.348799 88	33.84453 8	EnzymeReg

10.5796787	14.5925852	17.0945424	10.3551359	52.6219423	1664.56059	2317.69648	2704.50673	1579.88849	8266.65228	245.898078	339.974087	397.478827	238.598999	1221.94999	7.10064233	9.83187953	11.3769209	6.72566992	35.0351127	EnzymeReg
9.98510822	15.2451909	17.3028766	9.55547418	52.0886498	1489.97555	2371.1658	2750.19064	1445.40754	8056.73953	229.491225	353.901617	403.064806	220.142507	1206.60016	6.69422214	10.349011	11.6198302	6.16396731	34.8270306	EnzymeReg
10.3599441	14.8337678	17.1715362	10.059606	52.4248541	1600.03943	2337.45706	2721.39007	1530.18854	8189.0751	239.834619	345.121266	399.54323	231.778058	1216.27717	6.95044217	10.0229951	11.4666926	6.51808224	34.9582121	EnzymeReg
4.73922146	15.5042717	24.3373584	5.46065785	50.0415094	706.029908	2388.24859	3727.34849	796.0008	7617.62779	109.518151	359.887896	561.160471	124.355855	1154.92237	3.19858871	10.4423118	15.8304527	3.45014046	32.9214938	EnzymeReg
5.06409692	14.0421963	23.426906	5.90017802	49.5880861	835.724024	2300.20449	3766.40824	910.021806	7985.1298	119.399327	329.673599	545.640321	135.89892	1157.12481	3.53930927	9.64503628	15.4396018	3.73877413	33.084292	EnzymeReg
4.79350596	15.1552599	23.9716371	5.63239031	49.8620068	737.683246	2381.00492	3727.3475	832.541988	7724.84318	111.511213	353.12776	554.126688	128.541838	1154.40719	3.27912492	10.2893049	15.6247099	3.55400094	32.9403663	EnzymeReg
4.76634105	15.4690296	24.4384309	5.41586047	50.089662	708.580674	2374.70779	3736.0207	791.019888	7610.32905	110.059483	358.784619	563.546202	123.448124	1155.83843	3.20746238	10.3921624	15.9142507	3.42811405	32.9419895	EnzymeReg
4.82253086	15.3960104	24.6478459	5.32304355	50.1894307	713.865673	2346.65224	3753.98887	780.699802	7595.20659	111.181085	356.498709	568.489262	121.567372	1157.73643	3.22584798	10.2882563	16.0878738	3.38247693	32.984455	EnzymeReg
5.13748498	13.7403179	23.2791674	5.97280579	49.5137949	862.314055	2278.29029	3777.00206	931.035416	8055.72317	121.538694	323.312503	543.3387	137.894264	1157.86187	3.60987491	9.47030162	15.3893979	3.78888721	33.123326	EnzymeReg
1.17386994	3.6385317	29.175473	14.082009	48.0698965	173.400671	546.260635	4403.27116	2100.66667	7223.59914	26.8946566	83.5028638	669.921515	322.94183	1103.26087	0.76607714	2.37648002	18.853402	9.10731715	31.1032763	EnzymeReg
1.43802104	4.4014549	28.351360	13.475535	47.6663717	212.420306	660.979299	4272.49333	2013.662	7159.55508	32.9466498	101.022698	651.059129	309.272044	1094.30052	0.93846431	2.87590863	18.382225	8.74450393	30.9411021	EnzymeReg
0	6.3257259	26.094679	16.319935	48.740341	0	934.270835	3881.70918	2394.8438	7210.82381	0	144.501123	598.252914	373.45588	1116.20992	0	4.06995885	17.014201	10.54525	31.6294197	EnzymeReg
0	3.6690538	29.042271	16.519818	49.231144	0	541.81278	4363.74227	2435.26285	7340.8179	0	83.8037419	666.222583	377.929251	1127.95558	0	2.35952163	18.733456	10.62148	31.714462	EnzymeReg
0.71434525	2.3113290	30.609125	15.137079	48.771879	105.521012	346.692809	4630.77595	2252.0222	7335.01198	16.3664383	53.0248659	702.735055	346.722175	1118.84853	0.46618756	1.50765993	19.673074	9.73847727	31.3853992	EnzymeReg
1.32680179	4.0802306	28.698348	13.730892	47.836273	195.991321	612.677689	4327.55655	2050.29489	7186.52045	30.3984941	93.6460762	659.001024	315.027626	1098.07322	0.86588172	2.66562719	18.580614	8.89726428	31.0093846	EnzymeReg
3.46466012	24.556664	14.094039	7.1723759	49.287740	525.718625	3699.75212	2199.32905	1092.79775	7517.59755	79.818926	565.282064	327.3179	165.425737	1137.84463	2.26918331	15.980612	9.3844838	4.66234186	32.2966211	EnzymeReg
3.56459711	24.110063	14.341008	7.1827779	49.198446	541.724889	3603.4143	2251.28115	1115.92786	7512.34822	81.861148	553.574581	333.579996	166.243886	1135.25961	2.29445161	15.548392	9.5887022	4.69782719	32.1293731	EnzymeReg
3.51517278	24.330932	14.218868	7.1776335	49.242607	533.808913	3651.05864	2225.58799	1104.48875	7514.94429	80.851157	559.364574	330.483046	165.839266	1136.53804	2.28195505	15.762148	9.4877048	4.68027775	32.2120864	EnzymeReg
3.77083716	23.726516	14.600994	7.0814714	49.179819	577.468687	3561.12546	2258.20663	1088.52694	7485.32772	86.894442	545.618903	338.440958	163.478059	1134.43236	2.46009187	15.408514	9.6935796	4.61546616	32.1776518	EnzymeReg
3.48364302	24.47183	14.140951	7.1743518	49.270779	528.758995	3681.45287	2209.19729	1097.19129	7516.60044	80.206843	563.058242	328.507378	165.581143	1137.35361	2.27398299	15.898512	9.4232745	4.66908226	32.2648525	EnzymeReg
4.03610773	23.409326	14.853666	6.9109813	49.210081	624.330767	3557.96767	2234.2869	1028.68939	7445.27472	93.636381	540.690557	342.054248	158.46258	1134.84377	2.71029222	15.474784	9.7248524	4.45860139	32.3685303	EnzymeReg
7.10093372	24.433210	13.264685	4.1236486	48.922478	1110.0765	3765.529	1975.93235	599.643343	7451.18127	164.66746	564.181972	303.934209	93.941674	1126.72532	4.70438547	15.955246	8.5165165	2.59824425	31.7743932	EnzymeReg
7.0481335	24.196628	13.399389	4.3822908	49.026442	1095.99317	3711.59001	1986.30607	632.696982	7426.58624	163.07433	558.083588	306.690655	99.568539	1127.41709	4.63635979	15.802812	8.6226096	2.74425898	31.8060411	EnzymeReg
6.90646526	26.640636	12.639976	3.2831704	49.470248	986.742728	3902.01781	1884.67832	460.485671	7233.92452	157.088911	608.627561	289.556707	74.198582	1129.47176	4.44839056	17.118478	8.1295798	2.02493619	31.721385	EnzymeReg
6.92620353	26.560286	12.651079	3.2847899	49.422349	995.925569	3903.80677	1887.89817	462.433219	7250.06373	157.77827	607.239097	289.871136	74.313758	1129.20227	4.47411934	17.080906	8.1325567	2.03126849	31.718850	EnzymeReg
7.06308146	26.003039	12.728008	3.2960209	49.090150	1059.6053	3916.21258	1910.22672	475.938769	7361.98336	162.55878	597.610595	292.051587	75.112480	1127.33345	4.65253928	16.820358	8.1531998	2.07518073	31.701278	EnzymeReg
6.92120897	26.580613	12.648263	3.2843801	49.434466	993.601946	3903.35409	1887.08342	461.940412	7245.97987	157.60384	607.590433	289.791573	74.284613	1129.27046	4.46760894	17.090413	8.1318034	2.02966617	31.719492	EnzymeReg
1.41435021	20.060861	19.009680	7.0977409	47.582633	224.940269	3156.45007	2923.40906	1058.9939	7363.79329	32.921139	465.644447	439.118358	162.648725	1100.33267	0.94774605	13.271975	12.448025	4.58148953	31.249237	EnzymeReg
1.16128467	19.575272	20.070005	7.6233963	48.429959	172.653257	2906.08981	3001.67021	1121.22986	7201.64313	26.577442	448.421652	460.492285	174.287613	1109.77899	0.74395315	12.639052	12.971597	4.88624851	31.240852	EnzymeReg
1.17639309	19.598092	20.127986	7.5447817	48.447260	175.191345	2912.93087	3010.79421	1112.56519	7211.48161	26.943733	449.135128	461.900615	172.627186	1110.60667	0.75642668	12.671752	13.011832	4.84193679	31.281948	EnzymeReg
1.43672451	19.991422	21.127054	6.1901765	48.745378	218.924863	3030.80844	3168.00878	963.265263	7381.00735	33.255332	461.428951	486.16739	144.01654	1124.86822	0.97135664	13.235205	13.705101	4.07840644	31.990069	EnzymeReg

1.3286963	19.9018735	19.2629581	7.31678384	47.8103117	207.751024	3078.76979	2937.8849	1084.36792	7308.77363	30.7848443	460.089192	444.015318	167.428832	1102.31819	0.8785043	13.0621817	12.5629865	4.70738082	31.2110515	EnzymeReg
1.2085839	19.646735	20.2515245	7.37728036	48.4841238	180.599137	2927.50681	3030.2343	1094.10377	7232.44402	27.7241879	450.655299	464.901281	169.089387	1112.37016	0.7830347	12.7414254	13.097557	4.74752377	31.3695097	EnzymeReg
1.8554387	15.2511225	17.6936084	11.5286479	46.3288176	277.982918	2263.56831	2654.18182	1738.22952	6933.96258	42.4940701	349.155632	405.406612	264.218929	1061.27524	1.1904843	9.7933771	11.2513218	7.28955544	29.524733	EnzymeReg
2.7318969	17.0900777	16.7423163	9.98125967	46.5455504	396.591259	2476.97867	2460.50018	1490.5017	6824.57182	62.1676188	389.455281	381.930059	227.902059	1061.45502	1.7272613	10.882737	10.602759	6.27287677	29.485635	EnzymeReg
1.7141099	14.9178653	17.993324	11.6808452	46.3061443	256.933674	2225.24268	2711.04221	1759.9861	6953.20467	39.2769074	341.937107	412.907575	267.875121	1061.99671	1.1039113	9.5965608	11.4797208	7.39985022	29.580035	EnzymeReg
2.3022621	16.3047447	16.7460313	11.047463	46.4005013	344.531956	2384.73818	2474.4127	1669.44419	6873.12702	52.6654128	371.977637	381.691658	252.659556	1058.99426	1.4641916	10.415616	10.529218	6.94084878	29.349897	EnzymeReg
1.9727851	15.5278287	17.4447522	11.4022774	46.3476435	295.460274	2295.3904	2606.97019	1720.16486	6917.98572	45.1653058	355.149232	399.178503	261.183164	1060.6762	1.2623661	9.9567892	11.0616803	7.19797678	29.478812	EnzymeReg
1.6645027	14.8008901	18.0985258	11.7342672	46.2981859	249.54527	2211.79016	2731.00053	1767.62279	6959.95875	38.1476652	339.403363	415.540455	269.158465	1062.24995	1.0735235	9.5274768	11.5598902	7.43856432	29.599451	EnzymeReg
3.3067612	20.4528346	20.4127335	3.0974382	47.2697676	504.791494	3108.78479	3113.34568	452.107446	7179.02941	76.2580921	470.794539	470.19233	70.6530505	1087.89801	2.1500996	13.189902	13.193249	1.95683174	30.490079	EnzymeReg
3.2405109	20.1363675	20.8800444	3.4555063	47.712429	498.851627	3045.4539	3161.67306	504.241481	7210.22007	74.8884625	463.116593	480.020994	78.77698	1096.80304	2.1405963	13.087963	13.493514	2.17780684	30.899881	EnzymeReg
3.2809340	20.3294623	20.5949111	3.2370282	47.4423357	502.475882	3084.09573	3132.18574	472.431501	7191.18885	75.7241524	467.80135	474.02396	73.8201047	1091.36957	2.1463950	13.150162	13.310302	2.04297719	30.649837	EnzymeReg
3.3304950	20.5779725	20.2896467	2.8582443	47.0563586	514.624709	3149.29086	3100.64917	416.631852	7181.19659	77.0044417	474.311167	467.572382	65.186959	1084.07495	2.1722291	13.279971	13.117436	1.80943256	30.37907	EnzymeReg
3.3340115	20.619593	20.3583555	2.6052283	46.9171884	531.196256	3190.24434	3107.8236	378.423091	7207.68728	77.61658	476.334888	468.9518	59.363762	1082.26703	2.2122390	13.398359	13.168507	1.65374188	30.432847	EnzymeReg
3.3006114	20.4234577	20.4561129	3.1306767	47.3108587	504.240111	3102.90594	3117.83179	456.946919	7181.92477	76.1309527	470.081814	471.104701	71.407174	1088.72464	2.1492175	13.18044	13.221118	1.97734431	30.528120	EnzymeReg
0.4916478	15.5496081	24.3373019	4.9507870	45.3293449	74.155557	2320.01729	3638.06875	770.45618	6802.69778	11.2758003	356.533323	558.015754	114.51701	1040.3419	0.3139269	10.005814	15.570119	3.20836487	29.098225	EnzymeReg
0.8982067	15.52564	24.1104868	4.8538567	45.4852759	136.104988	2330.76557	3601.66606	754.677693	6838.35237	20.7159936	356.789062	552.886499	112.076869	1044.6891	0.5740251	9.9970450	15.371413	3.11758218	29.118602	EnzymeReg
0.5801982	15.6760247	23.8483535	5.6476002	45.7521766	86.813173	2336.68994	3586.00447	868.035879	6877.54347	13.3019836	359.542911	547.722001	130.27236	1050.83926	0.3726278	10.085968	15.309843	3.63368756	29.402126	EnzymeReg
0.5298593	15.6041593	24.1263113	5.2514752	45.5118048	79.617560	2327.21186	3615.60202	812.56368	6834.99512	12.1501386	357.832017	553.573803	121.31575	1044.87171	0.3392574	10.040402	15.457805	3.39189972	29.229364	EnzymeReg
0.4939576	15.5529057	24.3245477	4.9689634	45.3403744	74.485730	2320.45213	3636.71066	773.001542	6804.65013	11.3286558	356.611828	557.747242	114.92794	1040.61572	0.3154581	10.007904	15.563330	3.21945939	29.106152	EnzymeReg
0.6329226	15.7512952	23.5572253	6.0624946	46.0039378	94.349732	2346.61712	3555.00452	926.13649	6922.10786	14.508406	361.334871	541.592926	139.6533	1057.08957	0.4075792	10.133693	15.154870	3.88693192	29.583074	EnzymeReg
0	14.1470512	28.5733143	6.2354533	48.9558189	0	2048.25094	4140.91951	872.439049	7061.60949	0	322.219344	650.549669	141.0832	1113.85221	0	9.1542445	18.287088	4.00119736	31.442530	EnzymeReg
0	14.1851453	28.5205541	6.2444590	48.9501584	0	2053.94032	4133.8407	875.195383	7062.9764	0	323.082966	649.351073	141.329212	1113.76325	0	9.1765475	18.250660	4.00644738	31.433655	EnzymeReg
0	14.2399669	28.4446264	6.2574191	48.9420124	0	2062.12796	4123.65352	879.162048	7064.94353	0	324.325813	647.626162	141.68324	1113.63522	0	9.2086440	18.198237	4.01400273	31.420884	EnzymeReg
0	13.6317435	29.2870138	6.1136320	49.0323894	0	1971.28934	4236.67617	835.153484	7043.119	0	310.536926	666.763359	137.75534	1115.05563	0	8.8525465	18.779855	3.93017916	31.562580	EnzymeReg
0.4747125	13.1408841	27.1845441	7.7931350	48.5932757	67.935004	1929.55527	3962.77927	1125.93206	7086.2016	10.777598	300.176258	620.075626	177.38488	1108.41427	0.3047784	8.4779182	17.287338	4.85783002	30.927865	EnzymeReg
0	15.2587153	27.0336632	6.4982563	48.7906349	0	2214.27879	3934.34538	952.874524	7101.4987	0	347.421614	615.572169	148.26222	1111.25611	0	9.8050927	17.224052	4.15440364	31.183545	EnzymeReg
4.7270111	21.4058732	17.076903	5.1669876	48.3767747	706.603001	3140.95478	2526.84261	740.347874	7114.74826	108.528307	489.931857	391.150701	117.52503	1107.13589	3.1149921	13.915825	10.985833	3.26375289	31.280438	EnzymeReg
5.6256894	20.6611412	17.5403606	3.8333654	47.6605566	883.568059	3213.49421	2658.75374	585.389486	7341.2055	130.539455	478.207755	403.632813	88.537136	1100.91716	3.7459205	13.601587	11.294612	2.45335053	31.09547	EnzymeReg
5.1049383	21.2116913	16.8485263	4.6254357	47.7905917	770.32215	3182.1075	2548.3412	687.140077	7187.91093	117.485283	487.512419	387.847411	105.89393	1098.73904	3.3856352	13.875616	10.889715	2.91628186	31.067249	EnzymeReg
4.8559822	21.3813343	16.8505513	4.9889400	48.0768079	724.595533	3158.73181	2522.26641	726.383094	7131.97684	111.479934	489.986639	387.024623	113.75194	1102.24314	3.2092150	13.934343	10.873798	3.14283755	31.160192	EnzymeReg
5.3231037	20.9810419	17.1383658	4.2936029	47.7361143	817.765801	3195.25676	2594.59783	644.512317	7252.13271	122.95424	483.614289	394.460604	98.622412	1099.65155	3.5365745	13.760814	11.059343	2.72233974	31.079072	EnzymeReg

5.489394	20.80523	17.35928	4.040671	47.69459	853.9285	3205.279	2629.855	612.0203	7301.084	127.1228	480.6430	399.5013	93.07987	1100.347	3.651624	13.67330	11.18863	2.574512	31.08808	
82	51	88	62	03	44	46	8	66	17	25	37	47	88	09	13	85	89	17	38	EnzymeReg
5.264641	15.51633	13.33329	10.02259	44.76949	758.1548	2230.397	1931.302	1473.306	6476.905	120.8110	354.4567	305.3179	230.0047	1024.787	3.335120	9.708290	8.434903	6.363488	28.21083	
49	48	61	62	09	27	96	99	92	28	51	63	13	35	69	84	33	13	7	89	EnzymeReg
5.267900	15.50326	13.15216	10.36347	44.89197	758.8477	2230.937	1901.866		6495.763	120.8328	354.1881	300.9767	237.6032	1027.182	3.332970	9.695241	8.314862	6.558828	28.25492	
14	51	06	38	74	4	51	13	1524.002	03	56	4	21	99	33	83	45	83	24	96	EnzymeReg
5.621931	14.06641	12.18705	13.33204	45.23153	820.4410	2054.802	1749.795	1963.735	6591.961	128.9673	322.0894	279.0259	305.7153	1036.338	3.561862	8.837750	7.749141	8.422163	28.58496	
96	94	49	07	41	66	05	25	13	99	34	27	82	86	69	79	25	27	28	86	EnzymeReg
5.542442	14.38902	12.40374	12.66551	45.15529	806.6117	2094.349	1783.939	1865.003	6570.362	127.1409	329.2964	283.9545	290.4223	1034.282	3.510470	9.030280	7.876160	8.003794	28.51086	
3	99	71	77	45	09	2	25	22	74	25	51	13	92	84	39	07	96	48	6	EnzymeReg
5.374759	15.06914	13.33826	10.39044	44.66364	777.0895	2171.785	1933.673	1527.440	6474.987		344.4253	305.8232	238.8394	1023.542	3.413856	9.450712	8.462377	6.627382	28.24076	
05	46	96	98	87	38	06	06	99	54	123.4352	01	12	26	67	36	09	88	56	53	EnzymeReg
5.308360	15.33879	13.33527	10.16864	44.72746	765.6723	2207.127	1932.243	1494.799	6476.143	121.8528	350.4740	305.5185	233.5123	1024.293	3.366380	9.606026	8.445811	6.468260	28.22272	
59	04	07	22	92	25	34	96	34	89	96	51	28	03	39	58	08	21	39	03	EnzymeReg
8.819506	13.30911	11.36898	14.54610	48.04370	1314.166	1988.721	1652.930	2065.361	7021.181	203.1837	305.4541	258.8577	329.5387	1097.034	5.791285	8.642213	7.248558	9.129159	30.81121	
55	41	41	41	88	61	9	6	92	03	93	88	66	05	45	97	14	62	24	7	EnzymeReg
10.07019	12.47384	11.58027	14.58341	48.70772	1445.978	1816.656	1671.761	2090.081	7024.477	229.2210	284.1781	263.1441	331.2659	1107.809	6.445671		7.350568	9.257333	30.99819	
29	87	13	19	49	53	4	52	27	72	98	64	49	07	32	78	7.944618	18	41	14	EnzymeReg
8.590415	13.18314	12.57846	13.57038	47.92241	1251.132	1931.822	1819.337	1966.642	6968.934	195.9979	300.8506	286.0592	308.7722	1091.680	5.500696	8.416607	7.983313	8.569321	30.46993	
9	69	81	14	23	65	3	12	32	38	81	14	91	71	16	51	4	39	37	87	EnzymeReg
8.662658	13.22287	12.19706	13.87807	47.96066	1271.010	1949.765	1766.861	1997.773	6985.410	198.2640	302.3023	277.4813	315.3208	1093.368	5.592332	8.487751	7.751610	8.745864	30.57755	
87	02	14	23	27	2	4	38	21	19	03	35	81	96	62	93	42	93	37	96	EnzymeReg
8.595514	13.18595	12.55155	13.59209	47.92511	1252.535	1933.088	1815.633	1968.839	6970.097	196.1579	300.9530	285.4539	309.2344	1091.799	5.507163	8.421628	7.966961	8.581780	30.47753	
39	03	06	64	18	49	62	68	36	15	04	68	11	35	32	69	34	16	76	39	EnzymeReg
8.663116	13.22312	12.19464	13.88002	47.96090	1271.136	1949.879	1766.528	1997.970	6985.514	198.2783	302.3115	277.4270	315.3623	1093.379	5.592913	8.488202	7.750142	8.746983	30.57824	
72	19	42	23	51	17	11	81	51	61	64	36	18	99	32	68	3	5	22	17	EnzymeReg
5.230516	20.87294	16.42668	7.995676	50.52581	801.3652	3241.730	2451.637	1165.790	7660.523	120.5541	481.2780	375.4546	181.9932	1159.279	3.373922	13.41257	10.38561	4.982254	32.15436	
51	07	02	01	34	43	21	6	52	57	14	12	52	01	98	78	39	16	29	25	EnzymeReg
4.651183	20.77556	16.83473	8.119661	50.38114	710.7597	3217.396	2513.141		7626.900	107.2636	479.0107	384.8082	184.8787	1155.961	3.007038	13.35957	10.64348	5.064522	32.07462	
17	56	51	59	55	49	74	91	1185.602	39	78	75	9	42	48	27	45	84	72	38	EnzymeReg
4.876014	20.74538	16.70965	8.003195	50.33425	743.6272	3214.438	2492.770	1167.696	7618.532	112.3538	478.3532	381.8894	182.1363	1154.732	3.144325	13.34246	10.56139	4.978495	32.02668	
95	35	85	37	23	56	84	04	42	55	5	46	17	75	89	1	22	76	4	03	EnzymeReg
4.136080	20.90799	17.09030	8.450125	50.58450	637.5952	3235.719	2556.559	1236.136	7666.010	95.66479	481.9485	390.8335	192.6722	1161.119	2.697250	13.43386	10.81481	5.311983	32.25791	
28	65	54	32	75	73	12	23	72	34	56	4	19	33	09	68	01	66	3	07	EnzymeReg
4.555493	20.80016	16.88221	8.181051	50.41892	697.1680	3220.800	2521.207	1194.989	7634.165	105.1089	479.5565	385.9275	186.3265	1156.919	2.949489	13.37337	10.67531	5.110493	32.10867	
01	72	22	52	39	55	47	5	78	81	65	21	91	32	61	33	44	59	23	29	EnzymeReg
3.900125	20.96865	17.20737	8.601501	50.67766	604.0806	3244.112	2576.447	1259.285	7683.925	90.35167	483.2942	393.5935	196.2422	1163.481	2.555345	13.46788	10.89329	5.425338	32.34186	
97	94	51	56	21	61	1	5	27	52	02	48	09	15	64	6	83	73	12	94	EnzymeReg
5.726911	21.77038	17.70183	2.908363	48.10749	856.7582	3219.152	2581.924	432.9171	7090.752	131.5989	498.0640	403.5668	66.50445	1099.734	3.784056	14.04929	11.20705	1.828819	30.86922	
35	75	25	82	52	57	15	67	66	24	36	57	2	83	27	3	64	44	4	65	EnzymeReg
5.293694	21.68857	17.11430	3.909507	48.00608	784.2171	3193.237	2533.696	576.4585	7087.610	121.3950	496.1890	391.8259	89.22517	1098.635	3.498488	14.05491		2.451186	30.94859	
91	53	92	68	71	72	9	53	67	18	43	31	48	44	2	69	38	10.94401	2	87	EnzymeReg
5.687015	20.94445	17.62956	3.519382	47.78041	882.9294	3217.063	2643.621	535.4241	7279.038	131.6537		404.5946	81.15214	1100.713	3.779219	13.71271	11.29470	2.245823	31.03246	
64	05	16	88	06	95	68	54	39	85	28	483.3134	09	9	89	71	64	34	38	29	EnzymeReg
5.737042	21.98012	17.72018	2.753204	48.19055	850.1124	3219.682	2566.257	406.8870	7042.939	131.5850	501.8097	403.3058	62.78489	1099.485	3.785284	14.13476	11.18479	1.722927	30.82777	
28	2	47	53	35	57	48	65	29	62	22	7	28	29	51	48	6	72	37	5	EnzymeReg
5.693022	21.06880	17.64044	3.427387	47.82965	878.9891	3217.378	2634.332	519.9906	7250.690	131.6454	485.5342	404.4398	78.94678	1100.566	3.779947	13.76339	11.28150		31.00788	
36	41	27	47	67	37	12	42	25	3	78	68	64	36	39	91	21	69	2.183039	59	EnzymeReg
5.437073	21.83107	17.31131	3.504993	48.08446	803.5924	3201.772	2540.330	516.3589	7062.054	124.6319	498.8655	395.4143	79.93471	1098.846	3.589974	14.10059	11.01529	2.194476	30.90033	
73	51	99	86	26	03	54	51	23	37	02	94	03	75	52	28	7	01	96	83	EnzymeReg
	14.54965	28.74575	4.935621	48.23102		2213.083	4322.704	678.5819	7214.369		334.9795	660.1556	111.3468	1106.482		9.524935	18.65241	3.092396		
0	19	2	11	5	0	03	32	76	32	0	31	04	98	03	0	8	78	44	31.26975	EnzymeReg
	13.86224	29.31908	5.857628	49.03896		2007.346	4236.043	798.1428	7041.532		315.8919	667.3413	131.9256	1115.158		9.006802	18.80140	3.764675	31.57288	
0	62	59	07	02	0	37	02	51	24	0	16	78	06	9	0	36	49	63	29	EnzymeReg
	14.23226	28.40836	4.991162	47.63178		2237.216	4413.630	691.7144	7342.561		329.9932	657.2751	112.7781	1100.046		9.366784	18.60435	3.073776	31.04491	
0	09	2	9	58	0	24	51	72	22	0	39	14	16	47	0	92	71	7	88	EnzymeReg
	14.05522	29.29859	5.685140	49.03896		2037.314	4229.825	774.3922	7041.532		320.3577	666.7700	128.0310	1115.158		9.133346	18.78683	3.652698	31.57288	
0	7	26	7	02	0	07	95	15	24	0	76	32	92	9	0	56	82	15	29	EnzymeReg
	14.59946	28.79870	4.926904	48.32506		2209.295	4308.434	676.5210	7194.251		335.7620	660.6076	111.1222	1107.492		9.549755	18.65996	3.095318	31.30503	
0	2	08	59	74	0	65	7	12	37	0	61	58	88	01	0	4	02	55	42	EnzymeReg
	14.49483	28.68747	4.945214	48.12752		2217.251	4338.409	680.8502	7236.510		334.1182	659.6580	111.5940	1105.370		9.497619	18.64411	3.089180	31.23091	
0	19	78	33	4	0	33	16	31	72	0	95	84	99	48	0	86	67	43	7	EnzymeReg

13.200871	29.8214719	5.19832255	2.88810951	51.108775	2097.71662	4728.59969	791.476082	444.420062	8062.21246	307.499047	693.40677	119.547743	66.3891947	1186.84276	8.81670773	19.7054525	3.3537763	1.8338394	33.709776	EnzymeReg
14.400394	30.0388433	3.96867952	3.30365903	51.715768	2275.91377	4816.89738	623.006694	514.975772	8230.79361	335.131065	700.05243	91.8972308	76.1387876	1203.21951	9.54764018	19.8591511	2.5967926	2.1272783	34.130865	EnzymeReg
13.286977	29.8370757	5.11005376	2.91793935	51.152046	2110.50834	4734.93806	779.382663	449.484838	8074.3139	309.482586	693.883823	117.562877	67.0890602	1188.01835	8.86917704	19.7164856	3.2994369	1.8549036	33.740003	EnzymeReg
15.310870	30.235791	2.96966153	3.59077664	52.112874	2408.91313	4883.34179	484.833209	564.115687	8342.11316	355.99575	705.5962	69.3861205	82.8826678	1213.99328	10.095516	19.9811997	1.9787403	2.3312352	34.390292	EnzymeReg
14.036017	29.9728128	4.34220588	3.17742833	51.528468	2221.78315	4790.07535	674.182325	493.543196	8179.58403	326.737339	698.033691	100.296575	73.177172	1198.24478	9.32560619	19.8124624	2.8267403	2.0381492	34.002948	EnzymeReg
13.976687	30.9263399	2.42109524	2.30299688	49.801363	2144.83998	4768.31905	371.710804	356.858509	7669.16797	322.085345	712.777714	55.6918985	52.88906	1147.44351	9.08051219	19.9673989	1.5524689	1.4571702	32.165960	EnzymeReg
0.1835249	8.3553997	19.9040697	15.8613996	45.547793	27.025089	1273.83244	3089.20389	2459.58278	7040.2556	4.19958152	194.286028	462.417793	369.181156	1059.01619	0.11871263	5.4637501	12.991421	10.473179	29.869481	EnzymeReg
1.4843598	9.6362329	20.024354	14.791501	45.97012	218.58033	1454.6958	3015.61432	2193.83755	6887.88927	33.9664408	221.999692	460.507906	338.493849	1055.75128	0.9601541	6.3038916	12.988506	9.4310629	29.705883	EnzymeReg
0.8262973	9.1518798	17.839210	16.937357	44.953954	119.83582	1346.53845	2606.33515	2489.78454	6593.03256	18.95631	210.626335	408.825556	389.011718	1032.05517	0.5405034	5.9260249	11.401157	10.852953	28.852403	EnzymeReg
0.2426784	8.4136436	19.909539	15.812747	45.566996	35.735762	1282.05692	3085.85751	2447.49842	7033.32698	5.55318327	195.546264	462.330944	367.785698	1058.86773	0.1569758	5.5019542	12.991287	10.425790	29.862048	EnzymeReg
1.2317207	9.3874784	20.000993	14.999292	45.888098	181.37788	1419.56977	3029.90637	2245.44874	6917.4808	28.18532	216.617337	460.878831	344.453724	1056.38537	0.7967351	6.1407252	12.989071	9.6334554	29.737657	EnzymeReg
0.4258580	8.6783184	18.831656	16.489078	45.212864	61.761121	1298.9379	2845.37386	2493.31752	6820.18275	9.76972699	200.812697	434.927946	381.499582	1045.34422	0.2785653	5.6445563	12.172027	10.740158	29.356487	EnzymeReg
0	14.684609	29.231756	5.12259502	49.038960	0	2135.04995	4209.54976	696.932527	7041.53224	0	334.922612	664.906659	115.32963	1115.1589	0	9.5460544	18.739330	3.2874978	31.572882	EnzymeReg
0	14.136430	28.502316	5.12832227	47.767069	0	2205.75956	4398.49879	709.362407	7313.62076	0	327.243106	658.42127	115.83497	1101.49936	0	9.2926636	18.627849	3.1751633	31.095676	EnzymeReg
0	13.658957	29.238168	5.97630987	48.873435	0	1996.05843	4264.88377	815.999733	7076.94194	0	311.839017	666.88802	134.65426	1113.38124	0	8.8873027	18.796856	3.8266198	31.510779	EnzymeReg
0	14.039220	28.652130	5.30096587	47.992316	0	2163.06606	4371.29582	731.072928	7265.43482	0	324.106955	660.145034	119.66642	1103.91841	0	9.2101353	18.662257	3.3077947	31.180188	EnzymeReg
0	14.498506	29.251519	5.28893442	49.038960	0	2106.15038	4215.54524	719.836618	7041.53224	0	330.615929	665.457641	119.08531	1115.1589	0	9.4240206	18.753378	3.3954847	31.572882	EnzymeReg
0	14.085816	29.295344	5.65779948	49.038960	0	2042.0643	4228.84047	770.627468	7041.53224	0	321.065666	666.679467	127.41376	1115.1589	0	9.1534052	18.784529	3.6349484	31.572882	EnzymeReg
3.6655942	14.771104	15.923023	15.275148	49.634870	591.91019	2308.87631	2444.20596	2342.63976	7687.63207	85.527528	342.333026	367.048374	351.926478	1146.83541	2.4513939	9.7499803	10.330215	9.8580729	32.389665	EnzymeReg
6.3646176	13.058274	14.981410	16.992506	51.396808	1025.6470	2085.22444	2408.59285	2698.87865	8218.34298	147.65801	302.79366	347.433623	392.865324	1190.75062	4.1535007	8.5537916	9.6984489	10.846043	33.251785	EnzymeReg
3.0863699	14.245238	16.437208	15.002974	48.771791	508.68815	2226.80503	2536.67299	2302.80774	7574.97392	72.735778	331.266238	380.144799	346.400938	1130.54775	2.1340560	9.5464542	10.787706	9.7599477	32.228164	EnzymeReg
3.7317097	14.831129	15.864331	15.306216	49.733386	601.40957	2318.24434	2433.65131	2347.18621	7700.49144	86.987642	343.596245	365.553483	352.55719	1148.69456	2.4876164	9.7732118	10.277994	9.8697346	32.408096	EnzymeReg
4.0176774	15.090753	15.610473	15.440590	50.159495	642.49666	2358.7636	2387.99959	2366.85153	7756.11168	93.303031	349.060008	359.087673	355.285194	1156.73591	2.6442887	9.8736943	10.052127	9.9177187	32.487829	EnzymeReg
3.9592693	15.037726	15.662323	15.413145	50.072463	634.10498	2350.48766	2397.32382	2362.83494	7744.75141	92.013132	347.94405	360.408296	354.728007	1155.09349	2.6122888	9.8531710	10.098260	9.9078239	32.471544	EnzymeReg
0.3313294	10.626895	27.619279	10.373314	48.950819	47.264476	1564.70518	4090.99917	1548.31973	7251.28856	7.5209983	243.33085	632.346401	237.343439	1120.54169	0.2096590	6.9053431	17.760550	6.5414023	31.416954	EnzymeReg
0.0929709	11.236665	27.777174	10.139540	49.246351	13.262396	1669.88343	4144.08116	1502.51048	7329.73747	2.1103895	258.27502	637.280452	231.588224	1129.25409	0.0588302	7.3548353	17.884384	6.3452583	31.643308	EnzymeReg
0.1239136	11.748073	27.714963	9.5984412	49.185391	17.732901	1746.3354	4123.23133	1411.39584	7298.69547	2.8132490	269.95916	635.49143	218.938503	1127.20235	0.0795555	7.6806907	17.802743	5.9831365	31.546125	EnzymeReg
0.4539923	12.476808	27.385192	8.399952	48.715946	64.969874	1840.70745	4012.53884	1216.28047	7134.49665	10.307192	285.556305	625.599309	191.221837	1112.68464	0.2914759	8.0816769	17.456604	5.2223102	31.052067	EnzymeReg
0.2510533	10.832257	27.672456	10.294582	49.050350	35.813013	1600.12786	4108.8765	1532.89177	7277.70914	5.6987749	248.363856	634.008126	235.405157	1123.47591	0.1588618	7.0567264	17.802255	6.4753435	31.493187	EnzymeReg
0.0835573	11.260747	27.783410	10.130307	49.258022	11.919530	1674.0373	4146.17756	1500.70131	7332.8357	1.8967050	258.865227	637.475315	231.36093	1129.59818	0.0528734	7.3725876	17.889275	6.3375118	31.652248	EnzymeReg
1.7673565	14.222604	24.766407	8.421924	49.178293	271.34243	2181.16259	3792.53164	1314.20264	7559.23931	41.025017	329.036213	571.745814	194.66219	1136.46915	1.1864108	9.3742193	16.065627	5.4239186	32.050176	EnzymeReg

1.589314 93	14.89338 29	23.51575 91	9.056787 05	49.30679 89	254.9634 8	2299.849 52	3546.639 39	1408.027 29	7549.177 24	37.17486 66	344.9519 11	541.5120 03	210.1682 79	1139.709 32	1.081343 96	9.872556 04	15.34186 4	5.963377 76	32.43026 71	EnzymeReg
1.619103 06	14.67589 17	23.34850 25	9.014492 45	48.80810 57	264.8485 6	2327.652 87	3628.484 51	1401.578 29	7646.253 85	38.05079 62	341.9032 42	541.3235 45	208.9711 48	1133.770 92	1.104066 07	9.786494 62	15.31215 39	5.867072 98	32.17190 7	EnzymeReg
1.671162 15	14.34396 99	23.22850 97	8.911320 56	48.15496 22	278.8542 75	2354.430 51	3752.891 46	1386.074 86	7772.251 1	39.47554 09	336.7518 26	543.3955 04	206.2395 35	1125.862 41	1.141422 3	9.637318 53	15.32924 84	5.701534 34	31.80952 36	EnzymeReg
1.639288 62	14.52851 16	23.23516 31	8.985832 05	48.47017 27	271.5470 59	2346.493 46	3683.945 81	1397.208 2	7712.036 59	38.64435 88	339.8373 51	541.1958 39	208.1599 28	1129.746 84	1.119463 42	9.728176 19	15.29202 11	5.801813 26	31.99683 26	EnzymeReg
1.757925 1	14.23450 38	24.61562 36	8.469907 64	49.07796 01	272.0789 39	2198.150 74	3788.645 1	1321.249 39	7580.124 17	40.87309 79	329.7926 95	568.9661 93	195.7972 24	1135.429 21	1.181999 88	9.400015 07	15.99342 85	5.451137 6	32.02658 11	EnzymeReg
1.973513 41	14.83073 04	21.47995 73	10.45146 76	48.73566 87	303.2957 21	2235.013 85	3248.924 16	1578.557 49	7365.791 22	45.46740 43	340.7667 21	493.6918 84	240.06	1119.986 01	1.276530 27	9.618812 16	13.92404 73	6.741402 15	31.56079 19	EnzymeReg
1.696177 07	15.45258 43	21.97560 92	9.508566 94	48.63293 75	261.5866 91	2324.916 12	3303.675 8	1437.148 86	7327.327 47	39.15920 51	355.4461 69	504.9230 23	218.4284 85	1117.956 88	1.098770 14	10.07146 16	14.26262 51	6.117873 67	31.55073 05	EnzymeReg
2.044344 21	14.68872 09	21.38462 77	10.67231 57	48.79000 84	313.9746 07	2220.120 47	3236.908 78	1610.454 38	7381.458 23	47.01382 6	337.4061 97	491.2816 16	244.9398 78	1120.641 52	1.310642 29	9.490884 51	13.84535 22	6.884112 6	31.53099 16	EnzymeReg
1.725995 33	15.37362 2	21.89981 34	9.624319 1	48.62374 98	266.0519 99	2309.441 88	3296.372 18	1455.389 77	7327.255 82	39.88400 29	353.5881 34	503.3856 51	221.2184 26	1118.076 21	1.126008 85	10.03166 61	14.22062 35	6.196819 23	31.57511 77	EnzymeReg
2.038534 65	14.70036 85	21.39244 66	10.65420 17	48.78555 15	313.0987 22	2221.342 03	3237.894 28	1607.838 19	7380.173 22	46.88698 81	337.6818 28	491.4793 07	244.5396 29	1120.587 75	1.307844 41	9.501377 17	13.85180 68	6.872407 46	31.53343 58	EnzymeReg
1.774997 4	15.24385 87	21.77525 38	9.814541 31	48.60865 13	273.3900 97	2284.012 16	3284.369 72	1485.366 1	7327.138 07	41.07510 5	350.5347 18	500.8591 99	225.8032 96	1118.272 32	1.170771 79	9.966267 76	14.15159 99	6.326555 04	31.61519 45	EnzymeReg
3.442375 3	26.78920 83	9.153547 24	6.868298 38	46.25342 92	516.0730 72	3996.861 64	1394.895 22	1080.464 61	6988.294 53	79.17180 23	614.8082 39	210.5767 41	158.4577 34	1063.014 52	2.203261 29	16.97933 94	5.840278 56	4.331847 79	29.35472 7	EnzymeReg
2.912391 33	26.84784 33	8.812449 17	7.579804 42	46.15248 82	436.1026 43	4000.305 6	1334.635 9	1190.592 49	6961.636 63	67.17601 55	617.0006 49	202.7427 88	174.8893 63	1061.808 82	1.865782	17.02011 32	5.616630 57	4.791661 21	29.29418 7	EnzymeReg
2.309525 86	22.98263 99	12.06536 59	7.377562 14	44.73509 39	341.3466 19	3470.874 23	1817.811 23	1088.988 6	6719.020 68	53.29366 22	531.6395 09	278.5441 84	169.1744 68	1032.651 82	1.441424 58	14.56323 53	7.718058 13	4.753652 43	28.47637 04	EnzymeReg
2.467536 06	26.89706	8.52614	8.177024 76	46.06776 08	368.9774 69	4003.196 38	1284.055 74	1283.031 07	6939.260 66	57.10705 27	618.8409 03	196.1671 65	188.6816 6	1060.796 78	1.582510 35	17.05433 78	5.428906 05	5.177617 07	29.24337 13	EnzymeReg
2.292528 72	25.02970 53	10.16059 55	7.926562 11	45.40939 16	340.7523 99	3748.406 97	1528.899 95	1210.530 51	6828.589 84	53.03219 41	577.4077 62	234.2295 24	182.3963 41	1047.065 82	1.451651 39	15.86661 7	6.485496 37	5.060232 3	28.86399 71	EnzymeReg
2.294169 13	24.83214 1	10.34442 67	7.873577 6	45.34431 45	340.8097 48	3721.622 02	1556.783 05	1198.800 39	6818.015 21	53.05742 86	572.9906 24	238.5063 74	181.1202 86	1045.674 71	1.450664 39	15.74082 64	6.604452 07	5.030643 98	28.82658 69	EnzymeReg
0.53187	12.64361 05	27.26483 91	8.058118 79	48.49843 84	76.11468 17	1860.682 77	3977.858 55	1161.859 59	7076.515 59	12.07526 88	289.0247 69	622.2308 98	183.3899 23	1106.720 86	0.341475 13	8.168131 07	17.35439 5	5.017236 21	30.88123 74	EnzymeReg
0.410896 26	12.35455 82	27.20352 05	8.244455 73	48.21343 07	58.80241	1816.289 65	3981.759 09	1197.461 53	7054.312 68	9.328750 92	282.4031 91	621.4269 65	188.0136 36	1101.172 54	0.263806 67	7.986266 82	17.39329 75	5.186601 25	30.82997 22	EnzymeReg
0.200112 7	11.85091 6	27.09667 95	8.569127 54	47.71683 57	28.63766 43	1738.939 47	3988.555 34	1259.494 03	7015.626 51	4.543242 99	270.8658 12	620.0261 98	196.0699 51	1091.505 2	0.128477 84	7.669388 21	17.46108 08	5.481701 37	30.74064 82	EnzymeReg
0.538975 21	12.66058 76	27.26844 06	8.047174 58	48.51517 79	77.13149 1	1863.290 13	3977.629 46	1159.768 57	7077.819 64	12.23658 13	289.4136 77	622.2781 16	183.1183 57	1107.046 73	0.346036 86	8.178812 58	17.35211 01	5.007288 82	30.88424 84	EnzymeReg
0.381826 49	12.28509 94	27.18878 57	8.289232 16	48.14494 38	54.64230 23	1805.622 06	3982.696 38	1206.016 62	7048.977 35	8.668767 62	280.8120 37	621.2337 81	189.1247 06	1099.839 29	0.245143 08	7.942565 17	17.40264 57	5.227299 37	30.81765 33	EnzymeReg
0.919504 32	13.99915 77	24.94901 19	8.639594 6	48.50726 85	140.7228 09	2104.700 96	3726.191 5	1323.698 33	7295.313 6	21.08848 78	321.7275 58	571.7687 31	198.9659 37	1113.550 71	0.572085 28	9.066591 71	16.07622 34	5.612999 55	31.32789 99	EnzymeReg
1.745259 85	15.03468 66	24.97795 89	6.103807 86	47.86171 33	262.4841 92	2245.707 65	3783.699 24	918.7290 2	7210.620 1	40.06530 24	345.0039 13	574.6132 4	140.1064 86	1099.788 94	1.126657 12	9.720636 19	16.21950 77	3.928308 46	30.99510 95	EnzymeReg
1.747975 59	15.02475 68	24.99492 62	6.085905 78	47.85356 44	263.0134 63	2245.012 58	3787.487 49	916.1974 89	7211.711 02	40.13285 89	344.7998 37	575.0352 25	139.6974 19	1099.665 34	1.129000 13	9.715809 47	16.23119 63	3.916131	30.99213 69	EnzymeReg
2.228163 15	14.39140 87	26.12546 13	5.029604 15	47.77463 74	358.3468 99	2237.029 87	4034.835 03	752.7133 61	7382.925 17	52.02311 77	332.9170 35	603.0210 34	115.2358 17	1103.197	1.505831 98	9.445980 89	16.99375 92	3.191438 99	31.13701 11	EnzymeReg
1.842292 92	14.67989 69	25.58419 58	5.464169 05	47.57055 46	281.3949 96	2220.872 97	3919.052 99	828.2777 39	7249.598 69	42.47908 95	337.7122 91	589.6907 24	125.4905 7	1095.372 67	1.210372 6	9.548178 19	16.63713 93	3.493209 32	30.88889 94	EnzymeReg
1.943530 33	14.37966 56	26.10021 81	4.928221 41	47.35163 54	301.2341 89	2202.122 1	4033.949 04	751.6101 35	7288.915 46	44.99404 59	331.6125 87	602.5163 37	113.2237 87	1092.346 76	1.295382 01	9.404609 82	16.99161 01	3.128259 35	30.81986 12	EnzymeReg
1.763815 33	14.96684 08	25.09388 86	5.981490 77	47.80603 55	266.1004 74	2240.958 55	3809.582 71	901.4321 69	7218.073 91	40.52688 7	343.6095 48	577.4964 83	137.3115 08	1098.944 43	1.142665 9	9.687657 32	16.29937 07	3.845105 16	30.97479 91	EnzymeReg
5.034051 95	22.95397 79	13.14185 53	8.388581 39	49.51846 65	738.7808 28	3364.237 56	1951.990 97	1247.394 67	7302.404 03	115.1524 35	524.8956 83	301.5359 72	192.3988 25	1133.982 92	3.233181 34	14.64904 58	8.451141 38	5.375627 55	31.70899 61	EnzymeReg
5.398243 85	23.37273 12	12.79554 29	7.967122 54	49.53364 05	805.9748 22	3488.608 69	1915.208 94	1203.223 2	7413.015 65	123.7680 24	535.9733 95	293.4323 26	183.0906 95	1136.264 44	3.471279 46	15.00398 75	8.220170 13	5.151031	31.84646 81	EnzymeReg

4.11172838	23.1014137	13.9934576	8.13558951	49.3421892	602.407652	3366.85243	2126.97398	1222.79322	7319.02728	93.9516417	527.935568	323.40033	187.145526	1132.43307	2.6325911	14.7263373	9.18306299	5.23030915	31.7723006	EnzymeReg
4.46507627	22.5268175	13.6781157	8.79883923	49.4688487	640.156735	3229.63002	2024.83734	1290.75192	7185.37601	101.80856	513.43384	314.44847	201.522387	1131.21327	2.8616532	14.2780162	8.8396152	5.59228168	31.5715654	EnzymeReg
4.75695775	22.6353708	13.4053459	8.70924695	49.5069214	687.656501	3269.61021	1979.97645	1281.00239	7218.24555	108.59729	516.46724	307.70165	199.480885	1132.24703	3.0520251	14.3789896	8.62687509	5.54651109	31.6044009	EnzymeReg
5.34837262	23.3153885	12.8429658	8.02483572	49.5315626	796.77349	3471.57772	1920.24575	1209.27189	7397.86886	122.58823	534.45645	294.54201	184.365319	1135.95201	3.4386759	14.9553829	8.25179856	5.1817865	31.8276431	EnzymeReg
11.4528425	12.5694871	12.139394	10.371898	47.7410307	1658.90668	1817.14904	1766.11288	1504.83434	6924.70117	260.54654	286.21768	277.18581	237.258975	1089.37198	7.2637814	7.9988896	7.75856757	6.5940283	30.430828	EnzymeReg
10.9702842	12.2306642	12.0923213	11.32306	47.837632	1573.18019	1768.80579	1740.03836	1643.1053	6904.87227	248.91872	278.28376	275.20855	258.798455	1089.69646	6.9208266	7.7461878	7.65932819	7.1958373	30.347118	EnzymeReg
11.5542822	12.6366355	12.1422077	10.32045	47.787559	1675.65703	1825.34028	1771.00244	1496.92758	6935.8193	262.95473	287.72723	277.42324	236.059338	1090.61498	7.3363731	8.0460258	7.77652638	6.5654105	30.490251	EnzymeReg
11.023504	12.2830956	12.1236817	10.669465	47.579987	1587.32936	1781.42138	1745.10032	1549.6639	6881.37698	250.33459	279.74326	276.08506	244.123942	1084.81528	6.9569403	7.7961748	7.68099889	6.7677255	30.201735	EnzymeReg
12.1666753	13.0420111	12.1591914	10.009857	48.0684509	1776.77912	1874.7909	1800.52078	1449.19435	7002.93958	277.49303	296.84103	278.85686	228.817111	1098.119	7.7743579	8.3305856	7.88494395	6.3926483	30.849087	EnzymeReg
10.7221235	11.986197	11.946089	14.371017	49.0389603	1507.20352	1709.98008	1716.43479	2078.81678	7014.42939	242.31662	271.47826	271.12142	327.224796	1112.45713	6.7523969	7.5131013	7.55827898	9.1920963	31.025026	EnzymeReg
8.18538868	14.440927	12.469734	12.972051	48.0681003	1185.20891	2115.84457	1800.79822	1839.55494	6941.40664	186.01783	329.05121	283.39007	294.235155	1092.69427	5.1701197	9.1664228	7.90328791	8.1332753	30.373105	EnzymeReg
8.83692141	13.318689	11.277042	14.620275	48.0529294	1318.95829	1993.04726	1640.28082	2072.86631	7025.15268	203.73004	305.80413	256.78997	331.117314	1097.44147	5.8133758	8.6593630	7.19270454	9.1717161	30.83716	EnzymeReg
8.38821097	13.551116	12.918753	13.073828	47.9319087	1210.22825	1973.71619	1864.99688	1894.86421	6943.80553	190.53716	308.54846	293.63994	297.620597	1090.34617	5.3034952	8.5892440	8.18551321	8.2543990	30.332651	EnzymeReg
7.86231074	15.858318	11.754487	12.809931	48.2850484	1145.35533	2342.2425	1698.53543	1751.45216	6937.58542	178.81894	361.71023	267.06293	288.842445	1096.4346	4.9576643	10.085817	7.45372802	7.9403360	30.437546	EnzymeReg
8.43055166	13.365361	13.012489	13.095074	47.9034771	1215.45122	1944.04581	1878.39884	1906.41044	6944.30632	191.48060	304.26835	295.77967	298.327334	1089.85598	5.3313384	8.4687536	8.24442988	8.2796845	30.324206	EnzymeReg
8.52261951	13.145868	12.936399	13.281629	47.8865162	1232.47857	1914.9836	1868.58296	1937.42755	6953.47267	193.87143	299.48824	294.10926	302.626716	1090.09562	5.4147003	8.3498423	8.20075446	8.4036446	30.368941	EnzymeReg
2.67398547	15.933859	24.224739	7.1114171	49.9440016	412.64541	2483.36383	3754.60933	1086.00439	7736.62296	61.906628	369.86406	560.51601	163.591274	1155.87797	1.7588076	10.571539	15.896346	4.5633712	32.790065	EnzymeReg
2.78398667	16.316478	23.982196	7.2643641	50.3470262	452.97056	2578.40423	3709.29253	1091.84123	7832.50855	65.231415	379.55106	554.26201	166.553978	1165.59847	1.8844923	10.873192	15.719686	4.6189095	33.096280	EnzymeReg
2.59040354	15.927937	24.235954	6.9854535	49.7397491	397.35471	2481.83627	3757.05441	1067.96189	7704.20728	59.917150	369.86006	561.01646	160.75797	1151.55159	1.7026243	10.577809	15.900916	4.4918244	32.673174	EnzymeReg
2.72838847	16.501381	23.874897	7.1741088	50.2787758	452.97693	2624.25788	3689.709	1070.81683	7837.76066	64.263950	384.42616	551.77591	164.283271	1164.74925	1.8731879	11.033497	15.636751	4.5518579	33.095294	EnzymeReg
2.60173857	15.928740	24.234438	7.0025362	49.767449	399.42837	2482.04344	3756.72282	1070.40874	7708.60336	60.186955	369.86056	560.94859	161.142211	1152.13832	1.7102436	10.576959	15.900296	4.5015273	32.689026	EnzymeReg
2.88348239	15.985586	24.174214	7.4258803	50.4691638	452.95915	2496.34686	3744.33822	1129.46542	7823.10965	66.962742	370.82691	558.71100	170.61752	1167.11819	1.9047219	10.586319	15.868101	4.7389018	33.098045	EnzymeReg
1.59894151	13.287385	23.998434	7.7056024	46.590364	252.135506	2057.03081	3782.78553	1203.31618	7295.26802	37.388329	308.71523	557.73806	178.909966	1082.75159	1.0704684	8.7188635	15.689346	5.0476117	30.526290	EnzymeReg
1.57886956	13.395985	23.943001	7.6624330	46.580277	249.973429	2074.55384	3776.6833	1197.15735	7298.36793	36.970515	311.33237	556.63093	177.978424	1082.91226	1.0598945	8.7932108	15.659003	5.0257303	30.537839	EnzymeReg
1.64376732	13.044856	24.122210	7.8020105	46.612845	256.963981	2017.89738	3796.41335	1217.07042	7288.34513	38.321413	302.87049	560.21055	180.990319	1082.39277	1.0940827	8.5528268	15.757111	5.0964783	30.500498	EnzymeReg
1.60022715	13.280429	24.001984	7.7083674	46.591008	252.273991	2055.90843	3783.17638	1203.71066	7295.06946	37.415090	308.54765	557.80897	178.969626	1082.7413	1.0711457	8.7141014	15.691290	5.0490132	30.525550	EnzymeReg
1.66842442	14.506538	24.545418	6.6664819	47.386856	256.030232	2194.32696	3774.2001	1019.74799	7244.30528	38.594004	334.40409	566.90577	153.835431	1093.7393	1.0932163	9.4295529	15.983117	4.3297281	30.835614	EnzymeReg
1.69215049	14.680875	24.678317	6.4919522	47.543296	257.904682	2211.1807	3775.77515	988.145543	7233.00607	39.042208	337.90488	569.22692	149.566091	1095.74011	1.1030858	9.5253829	16.054801	4.2049825	30.888252	EnzymeReg
1.56014162	13.497312	23.891297	7.6221543	46.570905	247.956122	2090.90355	3770.98968	1191.41091	7301.26027	36.580678	313.77427	555.59749	177.109262	1083.06217	1.0500286	8.8625798	15.630691	5.0053141	30.548614	EnzymeReg
1.35556755	10.718957	24.165560	9.9997080	46.498184	207.634319	1610.58047	3648.62176	1522.3587	7028.88234	31.276694	246.02965	554.85669	229.474859	1067.58277	0.8933082	6.9452404	15.560489	6.3445970	29.905343	EnzymeReg
1.84935546	11.232029	24.841192	8.7521702	46.721334	275.8123	1719.61522	3848.0665	1351.13913	7201.78864	42.412372	259.04081	573.45112	201.68482	1077.66097	1.1935609	7.3090077	16.111009	5.6022780	30.245017	EnzymeReg

1.508094 19	10.87744 07	24.37425 68	9.614354 75	46.56711 37	228.6938 89	1644.260 33	3710.228 47	1469.470 5	7082.291 55	34.71640 58	250.0486 85	560.6003 47	220.8907 64	1070.695 84	0.986053 62	7.057604 93	15.73054 03	6.115301 32	30.01026 38	EnzymeReg
1.842875 25	11.22529 64	24.83232 55	8.768542 25	46.71840 64	274.9175 7	1718.184 31	3845.449 1	1353.386 12	7199.519 51	42.26623 38	258.8700 61	573.2070 99	202.0495 21	1077.528 71	1.189620 55	7.304233 84	16.10378 48	5.612019 82	30.24055 41	EnzymeReg
1.833305 3	11.21535 27	24.81923 13	8.792720 39	46.71408 16	273.5962 34	1716.071 14	3841.583 73	1356.704 48	7196.168 47	42.05041 67	258.6178 96	572.8467 26	202.5881 11	1077.333 39	1.183801 45	7.297183 78	16.09311 54	5.626406 48	30.23397 11	EnzymeReg
3.922899 22	21.33779 46	19.01229 23	4.101673 38	48.37465 95	597.8325 4	3199.447 72	2886.389 89	623.3355 86	7307.005 74	90.28568 16	488.8572 34	437.2109	94.20764 02	1110.561 46	2.573054 11	13.73543 13	12.22195 54	2.599445 74	31.12988 65	EnzymeReg
4.371770 91	20.35455 32	18.38274 01	5.335881 41	48.44494 57	696.2192 38	3023.243 14	2765.903 36	735.6160 55	7220.981 79	101.9401 64	465.2106 96	421.1225 58	120.2353 74	1108.508 79	2.937472 34	12.94697 57	11.59079 47	3.323696	30.79893 87	EnzymeReg
3.130650 94	21.00765 86	19.47946 6	4.240747 39	47.85852 29	482.2537 69	3133.951 47	2957.302 51	650.6438 14	7224.151 56	72.23186 61	481.7493 65	448.4831 09	97.93787 06	1100.402 21	2.044137 86	13.53035 14	12.53352 83	2.763749 38	30.87176 69	EnzymeReg
3.798690 62	21.28603 59	19.08553 57	4.123477 39	48.29373 97	579.7121 13	3189.179 23	2897.507 56	627.6169 67	7294.015 87	87.45520 64	487.7428 63	438.9781 56	94.79246 53	1108.968 69	2.490130 68	13.70327 89	12.27080 38	2.625205 25	31.08941 86	EnzymeReg
3.607838 68	21.20650 64	19.19807 75	4.156980 2	48.16940 28	551.8692 85	3173.401 24	2914.590 35	634.1954 96	7274.056 37	83.10605 75	486.0305 83	441.6936 21	95.69107 47	1106.521 34	2.362715 2	13.65387 53	12.34586 14	2.664785 86	31.02723 78	EnzymeReg
3.523400 26	21.17132 03	19.24786 92	4.171802 81	48.11439 26	539.5508 12	3166.420 6	2922.148 27	637.1060 27	7265.225 71	81.18186 82	485.2730 21	442.8950 22	96.08864 55	1105.438 56	2.306342 91	13.63201 77	12.37906 91	2.682297 46	30.99972 72	EnzymeReg
2.634120 26	25.38758 06	16.38644 87	5.461284 21	50.33344 4	403.1047 75	3894.274 34	2542.629 75	794.2189 23	7697.396 91	60.67206 67	585.3376 23	379.3035 11	124.2431 69	1160.006 4	1.719008 9	16.50235 85	10.77034	3.426845 53	32.71583 02	EnzymeReg
2.508027 49	24.68841 54	16.74429 7	4.807548 51	49.70200 4	383.0881 38	3839.895 57	2658.172 08	675.2433 34	7686.235 41	57.74852 71	571.7434 11	390.3136 43	108.8132 18	1150.097 54	1.637042	16.27765 69	11.22689 73	3.040227 31	32.79283 99	EnzymeReg
2.597186 54	25.18278 87	16.49126 57	5.269799 07	50.14848 95	397.2417 2	3878.346 3	2576.473 15	759.3698 89	7694.127 6	59.81573 53	581.3557 54	382.5284 79	119.7235 95	1157.104 01	1.695000 05	16.43654 14	10.90406 98	3.313601 53	32.73838 7	EnzymeReg
2.556128 85	24.95513 01	16.60778 65	5.056932 96	49.94288 31	390.7240 04	3860.639 76	2614.095 46	720.6296 59	7690.493 25	58.86378 71	576.9292 76	386.1135 43	114.6993 73	1153.877 54	1.668310 4	16.36337 51	11.05273 17	3.187712 86	32.76346 25	EnzymeReg
2.468454 52	24.46898 94	16.85660 41	4.602380 05	49.50383 28	376.8061 15	3822.829 33	2694.433 9	637.9040 25	7682.732 49	56.83100 31	567.4770 03	393.7690 64	103.9706 81	1146.987 75	1.611317 5	16.20713 65	11.37018 33	2.918891 02	32.81700 86	EnzymeReg
2.885697 01	23.99769 41	17.44906 34	4.118468 52	49.13134 73	447.0671 36	3693.072 6	2717.047 56	590.5544 66	7540.372 91	66.84184 09	554.7990 9	405.0258 21	93.80205 88	1135.792 73	1.920771 43	15.82464 33	11.60571 81	2.626838 21	32.41389 8	EnzymeReg
4.748109 39	20.49616 97	16.07280 3	8.254903 57	49.57198 57	747.6196 48	3246.113 45	2459.669 59	1250.011 51	7703.414 19	110.1909 51	474.9768 09	369.3778 99	189.3160 72	1143.861 73	3.111783 85	13.28273 74	10.23584 5	5.195747 62	31.82611 39	EnzymeReg
5.250415 4	20.87616 24	16.39647 33	8.000080 08	50.52313 12	805.0873 52	3244.066 92	2448.399 53	1167.265 68	7664.819 48	121.0298 36	481.3971 95	374.8059 51	182.1233 23	1159.356 31	3.387785 46	13.41584 21	10.36820 5	4.986702 46	32.15853 5	EnzymeReg
4.717483 64	20.41029 53	15.82502 13	8.347282 1	49.30008 23	751.7768 55	3259.052 06	2445.561 7	1280.247 42	7736.638 04	109.7756 88	473.8690 24	364.4693 05	191.9543 85	1140.068 4	3.110478 46	13.26399 72	10.10773 36	5.275957 45	31.75816 67	EnzymeReg
4.822237 82	20.70402 55	16.67254 88	8.031304 95	50.23011 71	737.5572 91	3214.796 02	2493.817 18	1176.826 69	7622.997 19	111.1960 8	477.6581 57	381.2589 58	182.9301 39	1153.043 33	3.114943 5	13.32809 75	10.54593 35	5.001602 88	31.99057 73	EnzymeReg
4.697088 39	20.35310 7	15.66001 08	8.408801 7	49.11900 8	754.5453 52	3267.668 55	2436.166 53	1300.383 06	7758.763 49	109.4991 43	473.1312 94	361.2004 22	193.7113 73	1137.542 23	3.109609 14	13.25151 71	10.02241 77	5.329373 28	31.71291 73	EnzymeReg
5.093329 98	20.69645 34	16.07386 68	8.154367 79	50.01801 8	794.5527 95	3257.146 44	2437.561 17	1217.597 65	7706.858 05	117.8786 2	478.6939 52	368.6645 25	186.5082 09	1151.745 31	3.316540 95	13.36390 2	10.21027 76	5.117570 33	32.00829 09	EnzymeReg
1.740327 04	9.491233 65	21.60161 77	11.72494 06	44.59501 09	258.9740 72	1397.941 93	3173.066 55	1701.228 29	6536.367 34	40.11946 25	218.5195 02	496.3789 63	268.0583 66	1023.907 28	1.127573 89	6.116833 79	13.78718 56	7.404042 19	28.45825 85	EnzymeReg
1.702215 25	9.807144 65	21.47000 3	12.70459 51	45.86618 04	253.3102 7	1477.761 92	3212.822 4	1865.750 9	6835.115 34	39.06043 92	225.9763 48	493.1605 69	290.1310 21	1052.432 9	1.104026 96	6.433407 47	13.89495 47	8.085467 2	29.62959 98	EnzymeReg
1.737771 09	9.512420 05	21.59279 11	11.79064 07	44.68026 12	258.5942 33	1403.295 02	3175.732 76	1712.261 91	6556.402 71	40.04843 96	219.0195 92	496.1631 23	269.5386 57	1025.820 33	1.125994 73	6.138064 63	13.79441 31	7.449741 6	28.53681 39	EnzymeReg
1.671274 64	9.120494 75	21.22470 38	11.55866 08	43.88434 64	248.5848 04	1331.932 4	3098.453 94	1684.669 44	6408.057 08	38.60498 12	210.0706 05	487.5820 51	264.7661 21	1008.084 85	1.083368 7	5.853542 81	13.48321 42	7.319011 54	27.93241 34	EnzymeReg
1.707916 39	9.759887 51	21.48969 12	12.55804 86	45.67602 61	254.1575 18	1465.821 65	3206.875 32	1841.139 96	6790.425 62	39.21885 86	224.8608 78	493.6420 09	286.8291 72	1048.165 75	1.107549 35	6.386051 2	13.87883 35	7.983532 8	29.45437 88	EnzymeReg
1.658410 84	9.073020 29	21.15765 78	11.57212 52	43.82095 12	246.6522 99	1324.457 38	3087.911 42	1688.787 85	6399.482 99	38.31359 23	208.9993 71	486.0111 64	265.1437 08	1006.682 69	1.075168 99	5.823652 57	13.43801 6	7.333381 94	27.89507 66	EnzymeReg
6.935693 35	26.83286 79	12.34057 65	3.317891 46	49.51168 35	997.4892 48	3948.541 24	1841.594 53	464.6982 95	7264.317 61	157.9463 65	613.4846 56	282.7470 78	74.97890 24	1131.080 33	4.471286 45	17.23164 03	7.940512 31	2.052422 37	31.74943 88	EnzymeReg
6.001348 4	27.35511 23	11.46289 09	4.060392 15	48.92371 83	934.9781 52	4178.478 48	1706.817 8	597.4756 78	7423.980 68	138.4593 02	629.7541 21	261.6520 69	92.28107 53	1123.145 66	3.896363 8	17.72623 25	7.290881 01	2.533438 66	31.47474 72	EnzymeReg
6.958636 24	27.68619 81	10.75042 02	3.620417 03	49.50643 17	1059.158 37	4219.647 5	1614.848	512.6852 51	7475.872 75	160.2430 72	636.9880 96	246.5186 05	82.05776 6	1136.957 5	4.539134 05	17.78793 93	6.910883 18	2.284352 47	31.83290 88	EnzymeReg
7.021314 71	27.18392 84	11.67871 37	3.397579 23	49.55649 52	1030.913 16	4054.932 02	1747.990 05	476.1334 45	7348.926 42	160.5695 13	623.0025 51	267.7561 42	76.84929 94	1134.424 51	4.548717 3	17.44812 07	7.518487 92	2.120601 23	31.80994 75	EnzymeReg

7.06064202	27.3451764	11.3747092	3.43418114	49.5770779	1046.26532	4103.79906	1704.99596	481.385799	7387.78865	161.774367	627.374277	260.870557	77.7084036	1135.96055	4.58428256	17.5475538	7.32464514	2.1519169	31.8377402	EnzymeReg
7.14024247	27.6715504	10.7593886	3.50826526	49.6187385	1077.33886	4202.70844	1617.97376	492.016829	7466.44776	164.213055	636.222873	246.933784	79.4472741	1139.06957	4.65626847	17.7488113	6.93229753	2.2153014	31.893994	EnzymeReg
2.97546691	19.6441197	21.0724209	6.41887808	50.1108856	467.081713	3004.37047	3205.1452	968.80755	7645.40493	69.1811198	453.465427	485.286059	147.443501	1155.37611	1.99064816	12.8905165	13.6818675	4.1506116	32.7136439	EnzymeReg
2.86799801	19.847556	20.9539585	6.54590165	50.2154142	454.304431	3030.25758	3177.3152	983.949184	7645.82639	66.8249062	458.011766	482.172934	150.244101	1157.25371	1.92751843	13.0364207	13.5741537	4.2314823	32.7695752	EnzymeReg
3.22056869	19.1801473	21.3425953	6.12917845	49.8724897	496.222556	2945.33035	3268.61643	934.274386	7644.44372	74.55488	443.096702	492.386088	141.056239	1151.09391	2.13462663	12.5577562	13.927528	3.9661718	32.5860827	EnzymeReg
2.98355668	19.6288059	21.0813382	6.40931632	50.1030171	468.043529	3002.4218	3207.24012	967.667756	7645.37321	69.3584849	453.1232	485.5204	147.232684	1155.23477	1.99540028	12.8795335	13.6899758	4.1445241	32.7094336	EnzymeReg
2.42797123	20.2399334	20.9512412	6.33049982	49.9496456	379.534851	3114.19203	3171.51732	950.190302	7615.4345	56.3509474	467.746177	481.935141	145.266021	1151.29829	1.62431272	13.3482635	13.5669729	4.0726103	32.6121594	EnzymeReg
2.65102017	20.0716429	20.9191142	6.49077764	50.1325549	418.995174	3073.17812	3166.94358	973.954274	7633.07114	61.7175978	463.428691	481.18676	148.931751	1155.2648	1.78111398	13.2100269	13.5404756	4.1871796	32.7187961	EnzymeReg
3.69144434	17.4158962	20.4365787	6.13862131	47.6825406	575.645673	2673.08739	3064.30908	929.591974	7242.63411	85.8442227	403.641142	469.675647	141.253016	1100.41403	2.48539107	11.5825943	13.1633407	3.9569657	31.1882918	EnzymeReg
3.32452497	17.3493439	20.6943739	6.54301001	47.9112528	518.308708	2661.25152	3099.85495	1001.00688	7280.42206	77.1387689	401.243097	475.086321	150.868103	1104.33629	2.21059633	11.4587161	13.3457933	4.2243203	31.239426	EnzymeReg
3.53506771	17.3875324	20.5464488	6.31096693	47.780015	551.209347	2668.04308	3079.4583	960.028149	7258.73888	82.1340628	402.619124	471.981611	145.350851	1102.08565	2.36827685	11.5297989	13.2410998	4.0709093	31.2100846	EnzymeReg
4.41324266	17.1909916	19.2193943	6.64816633	47.4717949	683.277194	2638.25915	2913.53054	1012.58777	7247.65465	102.27726	397.985194	443.150248	153.450351	1096.86306	2.91704482	11.34758	12.489717	4.3594382	31.1137819	EnzymeReg
3.91359661	17.4084513	20.1852319	6.06887507	47.5761548	609.668072	2672.45692	3031.94009	916.337046	7230.40213	91.0220939	403.701308	464.268991	139.605667	1098.59806	2.63715324	11.5933722	13.0106513	3.9196548	31.1608316	EnzymeReg
3.48268002	17.3780302	20.5832552	6.36870437	47.8126698	543.022941	2666.35319	3084.53344	970.224561	7264.13414	80.8911233	402.276738	472.754131	146.723665	1102.64566	2.32904245	11.5121119	13.2671498	4.1090814	31.2173854	EnzymeReg
1.83624915	16.1130122	28.1789346	2.75741696	48.8856129	283.014378	2472.06021	4373.59946	418.071553	7546.7456	42.4825761	372.245963	652.151466	63.6333619	1130.51337	1.23460691	10.5932694	18.5113143	1.7696245	32.1088152	EnzymeReg
1.77277339	16.4716331	28.3314685	2.69275308	49.2686281	276.943218	2526.22451	4389.85246	411.505884	7604.52608	41.1705797	380.813348	655.674035	62.2689614	1139.92692	1.20653542	10.8433562	18.6078698	1.7289138	32.3866752	EnzymeReg
2.01371719	15.1103655	27.7524742	2.93820681	47.8147637	299.988368	2320.6255	4328.15869	436.428111	7385.20067	46.1507076	348.292928	642.302928	67.4480066	1104.19457	1.31309033	9.8940670	18.2413606	1.8834451	31.3319631	EnzymeReg
1.93248327	15.9323865	26.9977334	5.23618485	50.098788	297.705847	2473.15074	4204.92469	800.100832	7775.88211	44.6783151	369.108936	625.030016	120.564733	1159.382	1.28158945	10.565407	17.8060148	3.3763071	33.0293189	EnzymeReg
1.93967419	15.9062596	26.9425158	5.33858862	50.1270382	298.612762	2470.33771	4197.33123	815.704032	7781.98573	44.8351949	368.531817	623.761102	122.910333	1160.03845	1.28494624	10.5511049	17.7727553	3.4426201	33.0514266	EnzymeReg
1.81278164	16.2455973	28.2353276	2.73351002	49.0272167	280.76982	2492.08519	4379.60833	415.644172	7568.10751	41.9975203	375.413395	653.453789	63.1289319	1133.99364	1.22422865	10.6857285	18.5470116	1.7545734	32.2115423	EnzymeReg
1.65084617	10.6556745	21.6355545	15.2685418	49.210617	251.279979	1619.27392	3210.86028	2244.20138	7325.61555	37.9968927	245.057439	494.877567	349.079835	1127.01173	1.08569575	6.9616135	13.9284174	9.7812380	31.7569647	EnzymeReg
1.73927196	9.7003041	20.6011947	16.1425711	48.1833419	259.817517	1471.05784	3094.85309	2393.48154	7219.20998	39.9543092	223.63463	472.953768	369.728883	1106.27159	1.14177282	6.3906784	13.3328519	10.357590	31.2228939	EnzymeReg
2.04006513	11.5414858	20.1742689	15.1703257	48.9261455	325.577049	1815.28714	3126.04472	2298.79924	7565.70815	47.6958496	268.107387	466.217697	349.114267	1131.1352	1.37796093	7.6367474	13.1365925	9.8388874	31.9901882	EnzymeReg
1.64272197	10.74345	21.7305873	15.1882395	49.3049988	250.495585	1632.89141	3221.51855	2230.48612	7335.39167	37.8170532	247.025679	496.891836	347.182684	1128.91725	1.08054361	7.0140677	13.9831355	9.7282850	31.806033	EnzymeReg
2.01172236	11.3545428	20.2063264	15.2723639	48.8449555	319.283704	1780.60938	3121.98033	2309.31306	7531.18647	46.9635268	263.606746	466.673128	351.296825	1128.54023	1.35558562	7.5109087	13.1502501	9.8943152	31.9110596	EnzymeReg
1.71449447	9.9680051	20.8910291	15.8976624	48.4711911	257.425243	1512.58896	3127.35907	2351.65226	7249.02552	39.4058283	229.637442	479.096961	363.942884	1112.08311	1.12605966	6.5506582	13.4997333	10.196092	31.3725441	EnzymeReg
3.12748137	18.5885735	20.2323626	6.83908777	48.787553	474.211887	2791.24324	3051.65719	995.127503	7312.23983	72.1832355	426.915983	465.046662	155.926006	1120.07189	2.09365076	12.1017273	13.1307091	4.3108586	31.6369459	EnzymeReg
3.02388357	18.6074642	20.3766488	6.60233955	48.6103362	459.775253	2801.85861	3090.3056	977.124169	7329.06363	69.805477	427.563981	468.799017	151.011117	1117.17959	2.01998382	12.1396658	13.2384988	4.1939319	31.5920804	EnzymeReg
3.08237466	18.5967986	20.2951851	6.73600707	48.7103655	467.926144	2795.8652	3068.4848	987.288811	7319.56495	71.1479541	427.198123	466.680446	153.786052	1118.81258	2.06157601	12.1182458	13.177641	4.2599485	31.6174113	EnzymeReg
3.29995661	18.5571233	19.9921471	7.23323905	49.0824661	498.246778	2773.57021	2987.31323	1025.10043	7284.23065	76.1418567	425.83716	458.799538	164.108579	1124.88713	2.21629547	12.0385653	12.951255	4.5055246	31.7116404	EnzymeReg
3.23364095	18.5692158	20.0845084	7.08169033	48.9690555	489.005511	2780.36538	3012.05309	1013.57603	7295	74.6197914	426.25196	461.201519	160.96243	1123.0357	2.16913934	12.0628507	13.020254	4.4306767	31.6829208	EnzymeReg

3.21379088	18.5728353	20.1121547	7.03632769	48.9351086	486.23935	2782.39936	3019.45839	1010.12646	7298.22356	74.1641961	426.376121	461.920496	160.020703	1122.48152	2.15502424	12.0701199	13.0409073	4.4082728	31.6743243	EnzymeReg
2.34917137	17.4983657	19.7069986	9.95044598	49.5758309	343.76227	2620.91922	2974.5233	1499.20141	7448.94814	53.6716151	401.720273	452.861834	228.220881	1138.09217	1.50599466	11.3328402	12.7446318	6.3615872	31.9891389	EnzymeReg
1.62830256	18.2709406	19.5272465	9.64812484	49.3611131	243.56964	2831.37266	2957.49396	1464.25874	7539.32405	37.3664232	422.68888	449.419135	221.710738	1137.72627	1.06736254	12.0746898	12.6739433	6.1817146	32.1760004	EnzymeReg
1.86070214	18.0218716	19.5851965	9.7455896	49.4303356	275.87044	2763.52496	2962.98402	1475.52384	7510.18793	42.6230242	415.928849	450.52902	223.809531	1137.84423	1.20877235	11.8355262	12.6967324	6.2397001	32.1157584	EnzymeReg
2.19727421	18.0425213	19.3579144	9.58565997	49.3119946	335.90197	2806.1324	2967.00165	1460.73723	7588.91181	50.6968164	417.465161	446.055142	220.339609	1137.49338	1.45404765	11.9160051	12.5815866	6.1343057	32.1659919	EnzymeReg
2.29431698	17.5571547	19.6933204	9.9274409	49.559492	336.13811	2636.93364	2973.22746	1496.54245	7455.82528	52.4308741	403.315876	452.599863	227.725493	1138.06433	1.47261702	11.3892911	12.7392527	6.3478946	32.0033581	EnzymeReg
2.32519852	17.9737921	19.3340196	9.58533136	49.3109089	356.05780	2794.04038	2969.31848	1461.36227	7594.55239	53.6729479	415.774719	445.575829	220.327868	1137.46478	1.53914372	11.8608826	12.5675705	6.1322761	32.157479	EnzymeReg
3.32947066	20.5658476	20.2696303	2.93195336	47.0969019	509.79706	3137.36023	3098.55911	427.76284	7173.47928	76.8261127	473.721614	467.170528	66.8833811	1084.60164	2.16057345	13.2454829	13.1025585	1.8547886	30.3634035	EnzymeReg
3.33972684	20.6872389	20.4700284	2.19399999	46.6909942	558.13008	3256.80627	3119.48423	316.32217	7250.74276	78.6114919	479.624052	471.193777	49.899288	1079.32861	2.27726727	13.5907752	13.2515129	1.4006971	30.5202521	EnzymeReg
2.88404044	21.0815988	19.6684289	2.94075145	46.5748196	418.05748	3168.61246	2868.30576	428.05153	6883.02724	65.9126188	484.354152	448.639912	67.1227594	1066.02944	1.88923456	13.6880701	12.4913973	1.8890657	29.9577678	EnzymeReg
2.93730976	21.0382384	19.7659706	2.83828912	46.5798079	435.38211	3181.39278	2897.9895	412.69947	6927.46384	67.4286454	483.927592	451.350382	64.7602807	1067.4669	1.93686594	13.684005	12.5830272	1.8226562	30.0265544	EnzymeReg
3.33472066	20.6279865	20.372212	2.55420285	46.889122	534.53825	3198.50339	3109.27045	370.71756	7213.02964	77.7400294	476.74301	469.229986	58.1894039	1081.90243	2.22030777	13.4222344	13.1788067	1.6223437	30.4436926	EnzymeReg
3.33154798	20.5904352	20.3102206	2.78248232	47.0146861	519.58682	3161.55379	3102.79745	405.19078	7189.12885	77.1877378	474.917142	467.985429	63.4432857	1083.53359	2.18420955	13.3154212	13.132729	1.7628131	30.3951729	EnzymeReg
6.19229008	20.6072194	16.6057172	5.01146259	48.4166892	950.29568	3171.62629	2496.3754	753.68027	7371.97764	142.87887	475.610782	381.00515	115.023285	1114.51809	4.05443616	13.4656796	10.675236	3.2018887	31.397241	EnzymeReg
6.49920133	20.6036858	16.0199713	5.74568391	48.8685424	983.77946	3145.36717	2395.11334	857.97951	7382.23949	149.47498	474.558596	366.873671	131.507059	1122.41431	4.21761776	13.3997041	10.289816	3.6663306	31.5734689	EnzymeReg
6.33203881	20.6056104	16.3390041	5.34578236	48.6224357	965.54216	3159.66948	2450.26681	801.17181	7376.65027	145.88234	475.131681	374.570533	122.528994	1118.11355	4.12873915	13.4356384	10.499739	3.4133673	31.4774845	EnzymeReg
6.53060673	20.3612945	16.2604094	6.09446558	49.2467763	982.57441	3102.65326	2415.15962	906.44145	7406.82874	150.12386	468.877657	372.113551	139.481307	1130.59638	4.24044893	13.2855456	10.44467	3.9092816	31.8799499	EnzymeReg
6.40676678	20.6047501	16.1963844	5.52455348	48.7324547	973.69492	3153.27581	2425.61112	826.56708	7379.14886	147.48839	474.87549	371.129744	126.542529	1120.03616	4.16847125	13.4195744	10.405895	3.5264515	31.5203931	EnzymeReg
6.52195534	20.6034239	15.9765449	5.80011815	48.9020422	986.26191	3143.42035	2387.6059	865.71213	7383.00029	149.964014	474.480589	365.825981	132.729145	1122.99973	4.22971583	13.3948127	10.261241	3.7007637	31.5865342	EnzymeReg
0	9.20720033	16.0701227	15.5087141	40.7860372	0	1289.75737	2312.84126	2132.86144	5735.46007	0	212.608668	370.352896	354.801197	937.762762	0	5.8872435	10.281913	9.7446320	25.9137892	EnzymeReg
1.19468159	8.4053867	19.2232381	12.4338472	42.3059327	177.39693	1208.793	2787.1668	1821.16957	6145.17707	27.6861207	194.072508	441.371136	285.841137	972.920522	0.77660181	5.4022284	12.188857	7.9534431	26.9766804	EnzymeReg
1.31760609	8.3145209	19.61219	12.1088524	42.5098607	195.64985	1199.98607	2846.53758	1790.20518	6198.53038	30.5348319	191.950233	450.127745	278.536451	977.563133	0.85650879	5.3455806	12.422412	7.7628997	27.1104112	EnzymeReg
1.42361029	8.2361669	19.9476034	11.8285925	42.6857184	211.39029	1192.3914	2897.73609	1763.50297	6244.53972	32.9914237	190.120086	457.679025	272.23724	981.566698	0.92541673	5.2967307	12.623835	7.5985836	27.2257342	EnzymeReg
0.49574362	8.9220416	17.0116918	14.281739	41.1464161	73.612414	1258.8684	2449.58978	1997.23038	5841.81483	11.4885989	206.139575	391.581822	327.374941	946.523042	0.32225774	5.72432	10.860834	9.0368608	26.2162988	EnzymeReg
0	8.9517590	18.0403778	15.2457161	42.237853	0	1275.21369	2635.50463	2166.65352	6077.37184	0	206.042028	414.612364	348.413532	969.067925	0	5.6813374	11.422582	9.5539779	26.6578983	EnzymeReg
3.48083808	17.8659733	22.4190092	3.75908307	47.5249037	524.59818	2687.95586	3361.72525	540.35074	7114.63005	80.207413	410.785811	514.585301	85.3765243	1090.95505	2.30710144	11.6883144	14.499404	2.3616091	30.8564452	EnzymeReg
3.51625141	18.0731089	22.3284574	3.77656517	47.6943829	529.68653	2713.4611	3342.96887	543.58897	7129.70548	80.9709255	415.173762	512.282674	85.792305	1094.21967	2.32916694	11.8094396	14.451947	2.3799747	30.9705334	EnzymeReg
3.39575434	17.3683114	22.6365683	3.71708072	47.1177147	512.37296	2626.67721	3406.78917	532.57061	7078.40995	78.3730048	400.243358	520.117571	84.3775734	1083.11151	2.25408708	11.3973001	14.613478	2.3174729	30.5823381	EnzymeReg
3.25974072	17.3019235	22.7444231	3.92160102	47.2276884	491.79347	2617.78778	3425.69363	564.03233	7099.30721	75.2252411	398.670432	522.598751	89.0806356	1085.57506	2.16349727	11.3498588	14.683346	2.4526504	30.6493534	EnzymeReg
3.50800192	18.0248569	22.3495514	3.77249274	47.6549029	528.50127	2707.51969	3347.33815	542.83463	7126.19367	80.7930662	414.151594	512.819068	85.6954494	1093.45918	2.32402681	11.7812237	14.463006	2.3757001	30.9439567	EnzymeReg
3.22792397	17.3460766	22.7500143	3.99167897	47.3156939	486.89462	2622.99874	3425.76677	574.98511	7110.64524	74.4712831	399.553171	522.658372	90.6964472	1087.37927	2.14182806	11.3729559	14.690485	2.5011122	30.7063806	EnzymeReg

5.25460237	20.8819653	16.4072786	7.99552508	50.5393713	805.300216	3243.64978	2448.82453	1165.71484	7663.48935	121.11162	481.484826	375.01371	181.992018	1159.60217	3.38954914	13.4175359	10.3735734	4.9827946	32.1634531	EnzymeReg
5.17497656	20.8874453	16.4541262	8.03153435	50.5480824	793.484042	3243.74692	2456.30739	1171.27322	7664.81157	119.30371	481.599871	376.10191	182.838901	1159.84444	3.34053745	13.4207086	10.404025	5.0091157	32.1743868	EnzymeReg
5.22343568	20.8703929	16.4323325	7.9958262	50.5219872	800.211981	3241.18509	2452.45918	1165.82859	7659.68484	120.39032	481.219593	375.58318	181.996061	1159.18916	3.36933678	13.4111734	10.3891227	4.9821792	32.1518122	EnzymeReg
5.0031738	20.7911379	16.6081549	8.00049819	50.4029648	764.337733	3224.22819	2478.01593	1167.01278	7633.59463	115.29526	479.402353	379.58182	182.085019	1156.36392	3.22668123	13.3676111	10.4983436	4.9798437	32.0724796	EnzymeReg
4.92472257	20.9046683	16.6013623	8.14470697	50.5754602	756.34728	3244.05225	2479.82508	1188.74253	7668.96714	113.62168	481.961444	379.52215	185.500549	1160.60583	3.18649998	13.4306799	10.4997306	5.0918396	32.20875	EnzymeReg
4.52794858	20.9319751	16.8348031	8.3241405	50.6188672	697.467495	3244.53634	2517.11204	1216.43986	7675.55573	104.61290	482.534711	384.94843	189.720552	1161.81301	2.94227539	13.4464893	10.6514704	5.2229973	32.2632324	EnzymeReg
0	22.5421284	18.9968175	7.31432001	48.8532659	0	3470.51908	2850.15539	1056.52844	7377.20291	0	519.148559	434.54435	166.281677	1119.97477	0	14.4913548	12.012311	4.5781497	31.0818156	EnzymeReg
0	22.3116083	20.2768749	6.14332087	48.731804	0	3402.69285	3009.56684	895.563041	7307.82274	0	514.505143	463.90227	140.120349	1118.52772	0	14.593176	13.031652	3.946207	31.5710351	EnzymeReg
1.05535766	20.7927382	18.5997904	7.47670262	47.9245889	168.236095	3266.82697	2855.57018	1103.20836	7393.8416	24.580655	481.562073	428.70307	170.813535	1105.65934	0.70848523	13.582403	12.020301	4.7538496	31.0650372	EnzymeReg
0.96535745	20.9642616	18.5096158	7.57632022	48.0155551	153.889031	3290.76981	2839.66203	1114.82448	7399.14535	22.484429	485.217354	426.35657	172.961996	1107.02036	0.64806607	13.650051	11.920849	4.8000974	31.0190645	EnzymeReg
0	22.7715055	17.7231065	8.47951358	48.9741256	0	3538.00903	2691.53428	1216.69578	7446.2391	0	523.768952	405.33239	192.313297	1121.41465	0	14.390038	10.998023	5.2069593	30.5950216	EnzymeReg
0	22.6038168	18.6542668	7.62768613	48.8857698	0	3488.66977	2807.49598	1099.60369	7395.76944	0	520.391163	426.68825	173.282596	1120.36201	0	14.464106	11.739529	4.7472612	30.9508977	EnzymeReg
3.68802716	17.4680016	17.9084981	6.14618829	46.0990174	581.719949	2775.89289	2837.56792	986.15741	7325.60529	86.108847	407.741006	416.71545	143.192329	1074.46024	2.43287803	11.521229	11.656675	4.0085473	30.1846685	EnzymeReg
4.44611806	17.1703949	18.7141718	6.74144942	47.216761	688.980675	2650.33605	2865.3898	1037.36317	7265.5582	103.04518	397.84665	432.46593	155.962876	1092.69144	2.92277529	11.301603	12.196703	4.4351731	30.9482963	EnzymeReg
2.81725448	16.7748785	19.2765175	6.66026224	45.9625994	440.24426	2636.31063	2989.06538	1032.44604	7168.50036	65.552169	390.25628	447.56015	154.376444	1067.85291	1.85575959	10.987350	12.621435	4.3042997	30.0448549	EnzymeReg
2.74486553	16.6614637	19.5138814	6.76757137	46.0131176	427.498103	2609.40738	3011.54955	1041.96026	7143.25228	63.783796	387.247474	452.76263	156.699907	1068.07635	1.80700654	10.900587	12.787087	4.3712475	30.0729802	EnzymeReg
4.12156466	17.2978061	18.3692473	6.48660636	46.7382333	643.060281	2704.08937	2853.47871	1015.44099	7291.26552	95.794407	402.082615	425.72246	150.495558	1084.88631	2.71304079	11.395629	11.965505	4.2525264	30.6213724	EnzymeReg
3.49178985	17.5450393	17.6999436	5.99210065	45.8096814	553.954734	2808.39419	2830.36603	972.90228	7341.14891	81.724751	410.302232	412.63718	139.886581	1069.74096	2.30606459	11.578081	11.516885	3.8981121	29.986998	EnzymeReg
1.69863432	9.2214669	21.3673021	11.5300236	44.01918	252.694999	1347.83082	3120.87656	1675.91011	6426.29309	39.224728	212.348984	490.92313	263.963042	1011.06706	1.10080843	5.9171158	13.579344	7.2884475	28.0118241	EnzymeReg
1.63066497	8.9706228	21.0130467	11.6011667	43.6842144	242.484088	1308.33455	3065.1723	1697.67082	6380.98958	37.685097	206.688833	482.62292	265.958122	1003.65838	1.05748311	5.7591824	13.340528	7.3643773	27.814545	EnzymeReg
1.67237114	9.1245414	21.2304187	11.5575131	43.8897501	248.749529	1332.56956	3099.35258	1684.31839	6408.78793	38.629819	210.161916	487.71592	264.733936	1008.20437	1.08406763	5.8560963	13.487066	7.3177862	27.935596	EnzymeReg
1.44795148	8.2963101	20.0607463	11.7924118	42.7837685	215.035377	1202.16168	2915.4295	1756.16743	6259.20581	33.546298	191.473356	460.31052	271.321245	983.74255	0.94101701	5.3346306	12.698547	7.5684901	27.284224	EnzymeReg
1.63806981	8.9979507	21.0516406	11.5934161	43.7207068	243.596503	1312.63742	3071.24093	1695.30013	6385.92511	37.852833	207.305471	483.52718	265.740771	1004.46551	1.06220312	5.7763828	13.366545	7.3561053	27.836073	EnzymeReg
1.56812237	8.7398064	20.6870755	11.6666296	43.3759929	233.088429	1271.99171	3013.91553	1717.69414	6339.30315	36.268391	201.480594	474.98542	267.793912	996.84121	1.01761691	5.6138589	13.120779	7.4342443	27.633016	EnzymeReg
0.27484637	8.9101358	19.002254	15.623595	43.8108312	39.8602763	1291.96552	2786.7095	2277.78052	6396.31581	6.3053261	204.583715	435.48923	357.125503	1003.5038	0.17978446	5.6619161	11.987634	9.8281605	27.657463	EnzymeReg
0.82307608	8.4511650	19.8130561	13.1806345	42.9904882	122.217647	1222.38342	2896.83987	1945.05872	6290.29053	19.074357	194.603563	454.56247	302.199208	986.93969	0.53503995	5.3889534	12.504990	8.3586121	27.239236	EnzymeReg
0.54768008	9.0697901	18.4069558	16.205624	44.2300508	79.428662	1320.03716	2682.9464	2361.50728	6443.9195	12.564479	208.302493	421.39140	370.799277	1013.05765	0.35825238	5.8046385	11.651108	10.250335	28.064334	EnzymeReg
0.63057713	8.5208929	19.7636816	13.6148601	43.0835786	93.6336931	1232.04335	2895.52972	2003.14859	6303.87189	14.613295	196.061542	453.42317	311.823652	988.56275	0.40990616	5.4191677	12.463279	8.6028406	27.241206	EnzymeReg
1.20108798	8.3142396	19.9100132	12.3279418	42.8076857	178.348211	1203.41413	2899.41261	1830.98711	6263.62068	27.834585	191.740518	456.79973	283.299602	983.75249	0.78076628	5.3296211	12.586899	7.8790182	27.235396	EnzymeReg
0.13054522	8.8256950	19.3171058	15.3157608	43.5891069	18.932643	1277.1185	2841.58957	2233.49762	6371.13833	2.9948738	202.616862	442.94557	349.893474	998.45078	0.08539317	5.5864316	12.165627	9.6048731	27.442325	EnzymeReg
5.54775052	14.367486	12.389276	12.710072	45.1603857	807.535216	2091.70829	1781.65916	1871.59641	6571.80511	127.26289	328.815175	283.62539	291.443639	1034.42013	3.51390231	9.0174231	7.8676875	8.0317326	28.515814	EnzymeReg

5.655981 22	13.92800 58	12.34213 37	13.16629 09	45.09241 17	826.1835 35	2034.752 41	1775.519 62	1938.893 45	6575.349 01	129.8260 46	318.9637 05	282.8717 46	302.2328 24	1033.894 32	3.590002 87	8.762701 03	7.859995 78	8.344929	28.55762 87	EnzymeReg
5.693926 38	13.77356 59	12.72421 56	12.60065 83	44.79236 62	832.4300 06	2009.783 7	1838.248	1854.54	6535.001 71	130.8474 79	315.4477 5	292.1859 46	289.8823 68	1028.363 54	3.626534 08	8.685328 67	8.123038 21	8.042386 81	28.47728 78	EnzymeReg
5.750766 17	13.54222 33	13.29655 37	11.75337 12	44.34291 44	841.7868 81	1972.381 93	1932.211 73	1728.183 09	6474.563 63	132.3775 31	310.1810 39	306.1381 14	271.3820 53	1020.078 74	3.681255 86	8.569429 06	8.517061 54	7.589194 97	28.35694 14	EnzymeReg
5.652097 66	13.94381 22	12.30302 9	13.22418 15	45.12312 03	825.5442 31	2037.307 87	1769.099 58	1947.526 73	6579.478 42	129.7215 05	319.3235 51	281.9184 7	303.4968 51	1034.460 38	3.586264 02	8.770619 83	7.833074 3	8.375893 14	28.56585 13	EnzymeReg
5.349038 94	15.17396 16	12.93097 28	11.04382 49	44.96979 88	772.9640 09	2190.569 9	1867.013 76	1624.782 25	6517.810 39	122.6971 57	346.8315 95	295.9459 4	253.2135 71	1029.280 83	3.385429 44	9.498717 29	8.185207 91	6.985876 76	28.33056 96	EnzymeReg
0.841233 76	17.74410 1	17.85870 2	7.728314 77	44.17235 14	124.8939 13	2542.757 17	2585.680 88	1137.221 65	6390.553 61	19.41173 58	404.4682 75	407.0359 64	177.0743 55	1007.990 33	0.543782 02	11.17681 68	11.23542 96	4.906394 24	27.86242 27	EnzymeReg
0.841097 76	17.83372 88	17.74464 57	7.743374 68	44.16284 69	124.2954 64	2551.526 73	2565.799 27	1139.035 14	6380.656 6	19.39355 52	406.4378 72	404.3545 24	177.3740 44	1007.559 99	0.542313 66	11.22383 72	11.15468 77	4.911587 11	27.83242 57	EnzymeReg
0.841598 88	17.50347 95	18.16490 57	7.687883 86	44.19786 8	126.5005 53	2519.213 76	2639.056 48	1132.353 04	6417.123 84	19.46054 49	399.1805 54	414.2347 5	176.2697 9	1009.145 64	0.547724 1	11.05058 23	11.45219 52	4.892453 11	27.94295 47	EnzymeReg
1.913863 69	15.60627 91	18.70249 77	8.295551 44	44.51819 2	267.6540 38	2215.075 7	2710.020 4	1264.080 41	6456.830 55	43.78978 91	355.5323 36	426.6139 64	191.0723 99	1017.008 49	1.197747 61	9.752512 33	11.66505 52	5.318290 56	27.93360 57	EnzymeReg
1.705469 84	16.27896 61	18.21039 25	8.228926 08	44.42375 46	238.2467 79	2303.875 04	2628.650 41	1244.703	6415.475 23	39.01008 8	370.6942 6	415.0949 88	189.2210 2	1014.020 36	1.066703 13	10.16412 77	11.34920 92	5.253371 74	27.83341 18	EnzymeReg
1.261243 42	17.71291 14	17.16138 77	8.086902 95	44.22244 54	175.5602 77	2493.165 73	2455.196 64	1203.396 78	6327.319 42	28.82135 4	403.0144 43	390.5403 6	185.2744 95	1007.650 65	0.787359 83	11.04155 49	10.67593 05	5.114986 4	27.61983 17	EnzymeReg
5.178012 96	13.64272 93	23.33857 74	5.948028 75	49.54124 92	870.4085 67	2261.258 56	3787.161 48	931.0949 86	8064.468 42	122.4943 89	320.9294 68	544.9989 32	137.5061 23	1158.851 93	3.633262 47	9.386868 14	15.45437 8	3.779837 62	33.15038 21	EnzymeReg
5.150535 11	14.02173 47	23.93644 68	5.671159 98	49.83257 71	835.0961 46	2250.494 03	3799.776 09	878.8022 65	7921.676 95	120.8246 77	327.6587 28	557.1401 7	131.0253 61	1160.819 43	3.546883 4	9.502555 54	15.82989 97	3.619761 29	33.15692 61	EnzymeReg
5.097762 05	14.74964 01	25.08469 51	5.139414 84	50.39209 19	767.2762 59	2229.820 03	3824.003 29	778.3705 68	7647.436 32	117.6178 83	340.5827 24	580.4582 38	118.5786 21	1164.598 13	3.380986 56	9.724740 99	16.55111 44	3.312323 91	33.16949 42	EnzymeReg
5.095217 64	13.91418 26	23.36425 64	5.930976 33	49.55658 24	846.9997 11	2290.911 62	3770.900 62	918.9327 73	8015.065 4	120.3065 41	326.9761 32	544.6643 03	136.7450 59	1157.437 37	3.569233 12	9.570938 83	15.41831 25	3.760024 93	33.10084 49	EnzymeReg
5.134232 91	14.24659 3	24.29115 39	5.506897 77	50.00541 76	814.1458 01	2244.107 59	3807.260 15	847.7777 55	7836.960 86	119.8340 61	331.6510 99	564.3433 9	127.1804 19	1161.986 71	3.495635 95	9.571191 19	16.05269 12	3.524790 34	33.16080 85	EnzymeReg
5.135496 98	14.22915 75	24.26364 99	5.519634 66	49.99201 56	815.7702 9	2244.602 8	3806.679 84	850.1833 95	7843.529 74	119.9108 74	331.3415 31	563.7848 53	127.4785 56	1161.896 2	3.499609 68	9.565869 18	16.03541 6	3.532154 39	33.16050 75	EnzymeReg
1.199915 12	15.83205 34	21.57707 02	8.166149 18	46.77518 79	183.1119 57	2400.056 49	3292.502 09	1205.671 01	7081.341 54	27.62372 72	364.1349 44	497.3114 13	186.6725 78	1075.742 66	0.777067 95	10.16536 7	13.90531 56	5.149708 64	29.99745 92	EnzymeReg
1.393458 53	15.70866 05	21.13950 75	8.395723 13	46.63734 97	215.0092 81	2407.252 77	3217.577 95	1229.561 87	7069.401 86	32.12998 62	361.6786 46	486.6768 35	191.5640 86	1072.049 55	0.901872 41	10.07641 74	13.56516 87	5.278176 45	29.82163 5	EnzymeReg
1.161636 75	15.85645 76	21.66360 99	8.120744 81	46.80244 91	176.8034 1	2398.633 23	3307.320 34	1200.945 95	7083.702 93	26.73249 42	364.6207 43	499.4146 85	185.7051 52	1076.473 07	0.752384 54	10.18295 92	13.97258 87	5.124300 71	30.03223 31	EnzymeReg
1.059053 49	15.92185 92	21.89553	7.999064 39	46.87550 7	159.8969 63	2394.819 01	3347.032 17	1188.283 15	7090.031 28	24.34405 46	365.9226 47	505.0513	183.1125 2	1078.430 52	0.686234 79	10.23010 49	14.15287 58	5.056209 28	30.12542 48	EnzymeReg
0.600231 49	16.56710 99	23.51118 49	7.362785 32	48.04131 16	93.25092 6	2538.939 99	3506.022 94	1087.905 24	7226.119 1	13.89642 07	382.7553 7	539.9855 06	168.7044 92	1105.341 79	0.403254 55	11.07334 19	15.39966 74	4.710118 35	31.58638 22	EnzymeReg
0.651976 11	16.46017 64	23.27295 94	7.443457 8	47.82856 97	99.89817 31	2507.075 16	3489.896 6	1103.462 16	7200.332 09	15.05190 48	379.7906 69	535.1039 56	170.6017 48	1100.548 28	0.433920 13	10.91699 55	15.21640 01	4.753172 86	31.32048 85	EnzymeReg
2.270377 66	13.23207 87	26.70521 84	6.316756 58	48.52443 14	362.2687 76	2091.450 91	4118.823 9	957.0212 17	7529.564 8	52.98222 94	307.7980 36	616.6177 18	145.0933 13	1122.491 3	1.541571 65	8.847882 93	17.39765 65	4.053039 29	31.84015 04	EnzymeReg
2.410317 55	13.18942 85	27.27005 27	6.237653 05	49.10745 18	388.0167 26	2098.020 49	4208.764 28	946.4685 33	7641.270 03	56.25537 92	307.0097 33	629.1802 09	143.1030 58	1135.548 38	1.626209 6	8.808383 38	17.68489 82	3.986787 73	32.10627 89	EnzymeReg
2.391909 22	13.14461 19	27.28694 08	6.235605 1	49.05906 7	386.7413 2	2091.940 45	4206.341 59	945.3347 89	7630.358 14	55.87862 68	305.9886 21	629.4488 85	143.0314 51	1134.347 58	1.617266 22	8.781959 19	17.68801 89	3.985737 55	32.07298 18	EnzymeReg
2.229323 6	13.39151 6	26.27382 34	6.376248 18	48.27091 12	348.5627 27	2104.720 61	4065.025 43	967.4648 89	7485.773 66	51.86519 82	311.3065 67	607.3346 1	146.6486 34	1117.155 01	1.510359 82	8.951600 03	17.19420 47	4.100927 59	31.75709 22	EnzymeReg
2.596386 38	13.64242 78	27.09935 07	6.258353 49	49.59651 84	400.9083 58	2159.476 74	4233.252 53	957.9282 61	7751.565 89	60.06354 06	317.3309 94	626.4644 69	143.8268 44	1147.685 85	1.716608 07	9.075475 54	17.65335 46	3.997402 81	32.44284 1	EnzymeReg
2.532692 91	13.48736 1	27.15778 39	6.251267 5	49.42910 53	396.4954 06	2138.439 57	4224.869 93	954.0054 66	7713.810 37	58.75996 38	313.7979 09	627.3940 98	143.5790 83	1143.531 05	1.685663 65	8.984046 87	17.66415 23	3.993769 15	32.32763 2	EnzymeReg
1.366510 8	24.08513 24	13.03839 92	6.381746 65	45.22898 17	201.9334 88	3638.061 2	1924.680 19	921.1609 82	6734.866 46	31.53058 05	554.9568 26	298.8699 39	145.5533 2	1039.004 18	0.852477 2	15.37173 52	8.292006 78	4.069542 03	28.80256 04	EnzymeReg
0.573348 69	25.06655 52	13.80548 41	5.559311 96	45.66215 24	84.72549 36	3786.010 37	2006.801 49	783.3284 8	6751.112 06	13.22932 62	575.7796 08	314.7727 88	126.0501 58	1044.728 89	0.357674 96	16.08616 86	8.741564 85	3.502657 33	29.08710 86	EnzymeReg

0.43215089	24.7522098	17.7050017	4.93330288	48.0269583	70.0591199	3697.43536	2577.70681	736.786991	7110.03089	10.1955766	568.504821	403.842309	113.56845	1100.74017	0.30013228	16.1101949	11.2306574	3.2125741	30.977555	EnzymeReg
0.36821455	24.9036773	17.2101091	4.93796332	47.7234138	59.6939357	3726.36269	2502.02452	728.93197	7058.66659	8.68715015	571.808056	392.365317	113.3293	1093.06559	0.25572798	16.1830469	10.9104773	3.1948649	30.7282968	EnzymeReg
2.1029429	23.1739047	12.3261791	7.14535765	44.8267929	310.758317	3500.69392	1848.43253	1049.13517	6719.78281	48.5228587	535.623369	284.104523	163.661541	1033.68893	1.31188929	14.7084007	7.8746082	4.5958096	28.538364	EnzymeReg
0.23039551	25.49091	14.1371619	5.20370168	45.84945	34.04625	3849.9817	2042.30969	723.731462	6758.13645	5.31609707	584.783113	321.648977	117.61724	1047.20419	0.14372877	16.3950805	8.9359404	3.2575461	29.210136	EnzymeReg
6.46192987	12.9115809	14.9771327	17.0635874	51.4142309	1042.22263	2064.79549	2415.37287	2715.20398	8237.59498	149.949613	299.509308	347.571287	394.651293	1191.6815	4.21942743	8.4669102	9.7062724	10.892492	33.285104	EnzymeReg
6.61984553	13.1325214	14.745796	16.8650238	51.3631868	1060.57258	2090.65059	2365.31838	2670.84342	8187.38498	153.347206	304.197824	341.782998	389.686123	1189.01415	4.30224991	8.5658027	9.5361936	10.747083	33.151308	EnzymeReg
6.62211672	13.1390792	14.7408164	16.8598562	51.3618685	1060.77354	2091.457	2364.14884	2669.68363	8186.063	153.393706	304.339034	341.655477	389.556803	1188.94502	4.30326314	8.5689319	9.5324026	10.743360	33.148035	EnzymeReg
6.58222565	13.0238976	14.8282795	16.9506196	51.3850223	1057.24389	2077.2933	2384.69074	2690.05428	8209.28221	152.57698	301.858817	343.89526	391.828175	1190.15923	4.28546662	8.5129831	9.5990107	10.808653	33.206113	EnzymeReg
6.6732146	13.2866194	14.6287817	16.7435943	51.3322101	1065.29479	2109.59977	2337.83599	2643.59013	8156.32068	154.439879	307.516033	338.786458	386.647323	1187.38969	4.32605934	8.6407382	9.4470901	10.659726	33.073614	EnzymeReg
7.37269829	15.3063112	13.0951295	15.1520737	50.9262127	1127.18657	2357.95793	1977.63693	2286.39393	7749.17535	168.761037	351.006262	299.512201	346.819174	1166.09867	4.63811864	9.6228688	8.2791903	9.5148402	32.055017	EnzymeReg
4.51620356	29.3366051	12.4027154	2.4747226	48.7302467	667.736505	4452.22777	1888.5219	338.71016	7347.19634	103.653622	673.807841	285.432147	55.93544	1118.82903	2.99317702	18.8170092	7.8998875	1.5435935	31.253667	EnzymeReg
4.37456245	29.4061087	12.3057595	2.7335535	48.8199842	653.603667	4460.82534	1863.92489	391.889898	7370.24379	100.480557	675.480022	282.642187	62.22774	1120.83051	2.88524671	18.9115461	7.8231307	1.7226963	31.342619	EnzymeReg
4.13378313	29.5446844	12.2738682	3.0065263	48.9588621	627.754551	4485.84612	1850.99374	452.564315	7417.15873	95.1047151	679.094061	281.36143	68.97806	1124.53827	2.71195778	19.0907851	7.7967621	1.9176574	31.517162	EnzymeReg
4.50305481	29.3321575	12.3227784	2.5878803	48.7458717	667.398099	4447.47295	1870.82562	359.510876	7345.20754	103.349386	673.551382	283.325665	58.62542	1118.85186	2.9777227	18.8158948	7.8372032	1.6186550	31.249474	EnzymeReg
3.98586402	29.7518529	13.0484982	2.1762936	48.9625088	600.974269	4563.38937	2015.61625	312.222024	7492.20192	91.9104817	685.923349	301.259503	49.54737	1128.64071	2.66635189	19.3116333	8.4026237	1.3831725	31.763781	EnzymeReg
4.21831867	29.4960317	12.285065	2.9106879	48.9101033	636.829952	4477.06154	1855.53376	431.262052	7400.6873	96.9921267	677.825203	281.811092	66.60808	1123.23651	2.77279803	19.0278558	7.8060197	1.8492080	31.455881	EnzymeReg
4.05824483	21.4906572	21.6410208	1.6467539	48.8366769	618.981346	3251.95274	3258.25623	249.680402	7378.87072	93.5185072	494.204958	497.081888	37.85059	1122.65594	2.67532575	13.9935166	14.039093	1.0657434	31.773687	EnzymeReg
3.88342453	20.9859864	21.6702331	2.3278251	48.8674656	592.984862	3199.1369	3282.83457	351.136212	7426.09255	89.5753388	483.380296	498.354294	53.45297	1124.76291	2.5639568	13.7004658	14.079013	1.5065998	31.850035	EnzymeReg
3.88847432	20.9995245	21.6741271	2.3062033	48.8683293	593.76714	3200.47839	3282.18669	347.945108	7424.37733	89.6893628	483.665963	498.40299	52.95844	1124.71676	2.5671899	13.7082194	14.080367	1.4927148	31.848491	EnzymeReg
4.08312778	21.5253544	21.8060907	1.480339	48.8949119	623.801437	3252.89344	3256.97523	225.935386	7359.60549	94.0841555	494.780907	499.952944	34.06370	1122.88171	2.69175369	14.0098178	14.122975	0.9618989	31.786446	EnzymeReg
3.81590496	20.804972	21.6181677	2.6168723	48.855917	582.525215	3181.20016	3291.49726	393.803693	7449.02633	88.0507508	479.560715	497.703195	60.06523	1125.37989	2.52072786	13.5967948	14.060903	1.6922502	31.870786	EnzymeReg
3.88444494	20.9887221	21.67102	2.3234531	48.8676401	593.142938	3199.40798	3282.70365	350.491385	7425.74596	89.5983796	483.438021	498.364134	53.35304	1124.75358	2.56461011	13.7020326	14.079286	1.5037940	31.849723	EnzymeReg
2.68630555	20.9491526	16.4568537	9.8982187	49.9905306	404.968001	3217.81522	2575.2103	1529.8606	7727.85413	61.7344273	484.171416	382.300128	228.88094	1157.08691	1.75799508	13.8054233	10.923050	6.4632209	32.949698	EnzymeReg
2.68306152	20.7627838	16.2080774	10.387904	50.0418277	400.573806	3175.24046	2504.06881	1569.59285	7649.47593	61.4709888	478.94674	375.124055	238.83913	1154.38092	1.7392973	13.5809225	10.687563	6.7405329	32.748315	EnzymeReg
2.63310685	20.2527473	15.722694	11.513097	50.1216454	384.706324	3070.14963	2353.5016	1662.44301	7470.80058	59.9260745	465.276981	360.585011	261.74320	1147.53127	1.67194879	13.0299177	10.194078	7.3694391	32.265383	EnzymeReg
2.05249678	19.4997839	17.4177957	10.522038	49.4921148	313.874961	3055.96777	2675.71102	1603.50156	7649.05531	47.4781331	452.85349	402.049185	241.89710	1144.27791	1.37289354	12.9986459	11.328506	6.6938516	32.393897	EnzymeReg
2.52021646	20.1063455	16.0522796	11.320401	49.9992432	370.934293	3067.3922	2416.1501	1650.98279	7505.45937	57.5057704	462.861431	368.64706	257.88444	1146.89871	1.61380225	13.0238374	10.414649	7.2380819	32.290371	EnzymeReg
2.68109469	20.6497902	16.0572467	10.684797	50.0729286	397.909647	3149.42779	2460.93641	1593.68213	7601.95597	61.3112687	475.77907	370.77327	244.8767	1152.74031	1.72796101	13.4448098	10.544789	6.9086596	32.626219	EnzymeReg
3.20087992	19.7987094	22.1042842	2.7689581	47.8728317	501.425809	3013.42948	3340.05671	431.493767	7286.40577	74.2661725	455.630612	507.301842	64.04141	1101.24004	2.12449322	12.8406632	14.143522	1.7819409	30.890619	EnzymeReg
3.18875092	19.7176356	22.4430481	2.5199991	47.8694339	500.810486	3009.77476	3391.91138	402.317484	7304.81411	74.0215912	453.973259	514.99884	58.61010	1101.6038	2.11261357	12.7713722	14.331393	1.6360631	30.851442	EnzymeReg
3.20162172	19.8617528	21.7201485	3.1262247	47.9097477	499.034698	3011.78816	3279.56363	472.596614	7262.9831	74.2024847	456.876933	498.608022	71.80985	1101.49729	2.12877854	12.9165349	13.951495	1.9912614	30.988069	EnzymeReg

3.02828194	19.2635766	23.054835	2.86870179	48.2153953	466.805297	2941.56284	3467.52509	435.022117	7310.91534	69.9482062	444.239114	529.261901	65.9436269	1109.39285	1.99334158	12.6174857	14.8943862	1.84016911	31.3453826	EnzymeReg
3.20106509	19.8144465	22.008396	2.85814057	47.8820468	500.828929	3013.01977	3324.95617	441.754036	7280.5589	74.2502745	455.941724	505.131654	65.9806034	1101.30426	2.12556294	12.8596027	14.0955874	1.83419244	30.9149454	EnzymeReg
3.20251418	19.9375998	21.257997	3.55604931	47.954161	496.15797	3009.81349	3206.7849	522.047124	7234.80348	74.1258623	458.376372	488.148556	81.1560033	1101.80679	2.13393416	13.0078155	13.7204689	2.24309322	31.1053118	EnzymeReg
1.91905369	13.3100414	25.037695	8.6041093	48.8709	299.886918	2069.67516	3890.83141	1309.7255	7570.11898	44.6575311	308.874064	580.395903	198.538284	1132.46578	1.29274374	8.8477736	16.5520139	5.61864113	32.311172	EnzymeReg
1.95178363	13.0637071	25.282647	8.3671095	48.6652473	299.330631	2011.79312	3932.46307	1286.00122	7529.58804	45.1704775	302.438203	585.456031	193.003788	1126.0685	1.29259534	8.6274606	16.6230167	5.39969069	31.9427634	EnzymeReg
1.98224294	12.8604365	25.324737	8.3816484	48.549058	304.836888	1987.52031	3955.74789	1283.83332	7531.93841	45.8828328	297.949269	586.996001	193.276363	1124.10447	1.31130398	8.5045801	16.7036793	5.41312719	31.9326906	EnzymeReg
1.92405274	13.2744722	25.060441	8.5865092	48.8454389	300.278521	2063.1757	3895.9671	1307.67711	7567.09843	44.7544675	308.009778	580.918052	198.122001	1131.8043	1.29421177	8.8206227	16.5640125	5.60238244	32.2812295	EnzymeReg
1.9115369	13.363525	25.003549	8.6305752	48.909184	299.298084	2079.44804	3883.10915	1312.80555	7574.66082	44.511773	310.173643	579.610776	199.164225	1133.46042	1.2905355	8.8885982	16.5339722	5.64308842	32.356195	EnzymeReg
1.89369023	13.4537329	25.185634	8.3605481	48.8936055	289.371245	2060.752	3886.66126	1291.92869	7528.71319	43.8329995	311.134807	582.233579	192.972223	1130.17361	1.25861032	8.8692209	16.4704864	5.39362069	31.9919384	EnzymeReg
1.08513609	14.4261233	21.231856	9.9357285	46.678842	165.339489	2210.51407	3258.47505	1507.70301	7142.03162	25.1412947	334.158269	491.087139	229.037792	1079.42449	0.69696935	9.4020294	13.7826554	6.33998603	30.2216402	EnzymeReg
1.17242657	14.0813314	19.198279	11.750368	46.2024088	175.819014	2138.6644	2921.10273	1761.52807	6997.11422	26.9704787	324.688889	442.80905	269.942849	1064.41127	0.76396622	9.1117154	12.372426	7.49486955	29.7429772	EnzymeReg
1.19628885	14.0659245	19.138535	11.808226	46.2089743	179.444085	2135.32701	2912.78276	1771.16418	6998.71804	27.5097162	324.213396	441.355277	271.26809	1064.34648	0.77990526	9.1011891	12.331049	7.52953928	29.7416133	EnzymeReg
1.03104045	14.391765	20.931244	10.189677	46.543724	156.4531	2203.75142	3203.59601	1538.36964	7102.17017	23.8843704	333.379127	484.061873	234.696054	1076.02142	0.66292275	9.3656176	13.574016	6.50837643	30.1109332	EnzymeReg
1.01878499	14.180552	19.582960	11.377837	46.160134	152.477995	2160.15305	2974.67316	1699.48333	6986.78753	23.4984491	327.750487	452.169567	261.409917	1064.82842	0.66133835	9.1799438	12.638837	7.27163897	29.7517584	EnzymeReg
0.97180698	14.354143	20.602081	10.467748	46.395777	146.72271	2196.34647	3143.50474	1571.94889	7058.52281	22.5080674	332.525985	476.369368	240.891721	1072.29514	0.62564251	9.3257467	13.345561	6.69276002	29.9897116	EnzymeReg
10.4814719	14.700377	17.128953	10.223053	52.533856	1635.72392	2326.52815	2712.05246	1557.67591	8231.98043	243.188115	342.274534	398.401478	235.550491	1219.41462	7.03351283	9.9172955	11.417042	6.63289201	35.0007432	EnzymeReg
10.9083375	14.231846	16.979382	10.797162	52.916728	1761.06539	2288.14042	2679.25418	1654.22507	8382.68506	254.96724	332.275413	394.391084	248.801132	1230.43487	7.32529788	9.5460264	11.242648	7.03616042	35.1501336	EnzymeReg
10.497373	14.682924	17.123381	10.244439	52.548119	1640.393	2325.09817	2710.83069	1561.27245	8237.59431	243.626897	341.902058	398.252087	236.044089	1219.82513	7.04438208	9.9034654	11.410546	6.64791411	35.0063082	EnzymeReg
10.9943465	14.137442	16.949245	10.912839	52.993873	1786.32041	2280.40568	2672.64567	1673.67874	8413.05049	257.340613	330.260693	393.583031	251.471	1232.65534	7.38408957	9.4712196	11.207510	7.11741485	35.1802342	EnzymeReg
9.95135728	14.567716	17.621230	9.0334783	51.173783	1516.0905	2172.29463	2651.23089	1288.42795	7628.04398	229.092347	334.783906	404.494043	206.431189	1174.80148	6.48446862	9.5172749	11.396125	5.92748643	33.3253552	EnzymeReg
9.9501669	15.023837	17.426532	9.3352503	51.735787	1492.8097	2300.92155	2715.9641	1383.22206	7892.91741	228.72057	347.484068	403.797309	214.455044	1194.45699	6.60248463	10.066424	11.547783	6.05659357	34.2732845	EnzymeReg
1.86335385	13.677214	24.993217	8.5364248	49.070210	288.764772	2108.8887	3850.95362	1310.20928	7558.81637	43.3137928	316.820525	578.133809	197.091818	1135.35994	1.25523704	9.0581206	16.401959	5.55610196	32.2714189	EnzymeReg
1.80607914	14.047813	24.997250	8.4038752	49.255019	275.715137	2141.28672	3814.08765	1305.37535	7536.46487	41.8691376	324.589895	576.656344	194.152319	1137.26769	1.21162375	9.2524183	16.243756	5.43363661	32.1414346	EnzymeReg
1.86224271	13.684404	24.993295	8.5338533	49.073795	288.511606	2109.51722	3850.23841	1310.1155	7558.38274	43.2857661	316.971252	578.105146	197.034791	1135.39696	1.25439093	9.0618900	16.398890	5.55372609	32.2688971	EnzymeReg
1.97303255	12.921046	25.318131	8.3695094	48.581720	302.973492	1993.88535	3949.21607	1283.83311	7529.90803	45.659689	299.257231	586.634713	193.015333	1124.56697	1.3050261	8.5390316	16.678807	5.40191092	31.9247766	EnzymeReg
1.80715686	14.034698	25.041127	8.3507751	49.233757	274.536182	2133.67898	3818.43691	1300.758	7527.41007	41.8407512	324.088887	577.433556	192.925206	1136.2884	1.20798773	9.2293364	16.243284	5.38457908	32.0651874	EnzymeReg
1.86963444	13.615238	25.145462	8.3578315	48.988165	285.24718	2081.02529	3867.69527	1294.38319	7528.35093	43.2791655	314.735977	580.899199	192.959153	1131.87349	1.24453752	8.9693310	16.407325	5.39110717	32.012301	EnzymeReg
1.07673731	14.420788	21.185183	9.9751561	46.657866	163.959807	2209.46411	3249.95465	1512.46425	7135.84282	24.9461472	334.037301	489.996411	229.916282	1078.89614	0.69168335	9.3963762	13.750262	6.36612997	30.2044521	EnzymeReg
0.95559333	14.343845	20.511981	10.543859	46.355280	144.059264	2194.31955	3127.05629	1581.14035	7046.57546	22.1313396	332.292459	474.263741	242.587626	1071.27517	0.61543799	9.3148342	13.283027	6.74323032	29.9565302	EnzymeReg
1.0404622	14.397749	20.983601	10.145447	46.567260	158.000827	2204.92926	3213.1542	1533.02849	7109.11277	24.1032867	333.514829	485.285451	233.710564	1076.61413	0.66885259	9.3719594	13.610354	6.47904817	30.1302148	EnzymeReg
1.36116339	15.558073	21.147318	8.5751872	46.641742	209.819495	2384.56323	3221.87379	1261.89522	7078.15174	31.4001205	358.450759	487.115147	195.926955	1072.89298	0.8803295	9.9970959	13.587881	5.40154763	29.8668541	EnzymeReg

1.35940082	15.5507177	21.1480736	8.58388361	46.6420758	209.535582	2383.43327	3222.14963	1263.47671	7078.5952	31.3601753	358.292936	487.145807	196.138948	1072.93787	0.87915737	9.99324166	13.5892923	5.40755058	29.8692419	EnzymeReg
1.00292064	14.3739051	20.7749813	10.3216845	46.4734915	151.833808	2200.23608	3175.06898	1554.31067	7081.44953	23.2310003	332.974117	480.410022	237.637313	1074.25245	0.64522476	9.34669025	13.4655623	6.59590855	30.0533858	EnzymeReg
2.01707117	12.2344687	22.1401009	12.3755947	48.7672355	301.210431	1834.13611	3336.3137	1929.97138	7401.63162	46.1156584	281.122878	508.951872	286.64866	1122.83907	1.28816605	7.86893721	14.3233336	8.11525357	31.5956905	EnzymeReg
2.50808919	12.1568353	21.6044661	11.9601721	48.2295628	390.791014	1877.26851	3273.40874	1780.83766	7322.30593	58.206243	281.023989	497.590195	274.438934	1111.25936	1.66357878	7.9928788	14.0712833	7.71070375	31.4384446	EnzymeReg
2.54869731	12.1504149	21.5601681	11.9258159	48.1850962	398.199498	1880.83564	3268.20638	1768.50402	7315.74555	59.2061597	281.015811	496.650562	273.429167	1110.3017	1.69462612	8.003129	14.0504383	7.67724671	31.4254401	EnzymeReg
2.1033695	12.5332531	22.1929757	11.8076763	48.6372746	312.827062	1855.63655	3320.96164	1805.0947	7294.51995	48.1563	287.202266	509.469195	271.964263	1116.79202	1.35296091	8.07201425	14.3649795	7.63520173	31.4251564	EnzymeReg
2.40200595	12.1736078	21.7201887	12.0499232	48.3457256	371.437348	1867.94986	3286.9992	1813.05764	7339.44405	55.5941036	281.045354	500.044857	277.076816	1113.76113	1.58247177	7.96610152	14.1257382	7.79810575	31.4724172	EnzymeReg
2.49155096	12.1594502	21.6225071	11.9741642	48.2476724	387.773804	1875.81574	3275.52748	1785.86072	7324.97774	57.7990159	281.02732	497.972873	274.850176	1111.64939	1.6509343	7.98870426	14.0797727	7.72432936	31.4437409	EnzymeReg
7.47929552	8.11042412	11.6023118	12.0272698	39.2193009	976.74658	1081.2119	1560.72185	1655.43134	5274.11167	167.90341	182.946752	261.31317	270.848747	883.01208	4.50466666	4.98539989	7.04209097	7.20638869	23.7385462	EnzymeReg
7.42335742	8.08183445	11.5919436	12.023019	39.1201545	967.778127	1076.74314	1559.08619	1654.76417	5258.37162	166.111546	182.034495	260.982898	270.712844	879.841784	4.43388412	4.94998563	7.02920635	7.20099323	23.6140693	EnzymeReg
7.50051578	8.12126991	11.6062451	12.0288823	39.2569131	980.148857	1082.90717	1561.34236	1655.68444	5280.08283	168.583182	183.292826	261.438462	270.900304	884.214775	4.53151876	4.99883466	7.04697888	7.20843552	23.7857678	EnzymeReg
7.52820628	8.13542246	11.6113775	12.0309866	39.3059929	984.58845	1085.11931	1562.15205	1656.01471	5287.87452	169.4702	183.744415	261.601955	270.967579	885.784149	4.56655776	5.01636555	7.05335707	7.21110644	23.8473868	EnzymeReg
7.27780084	7.98719671	11.4598606	12.0719494	38.7968075	952.29087	1066.17815	1541.70145	1659.66186	5219.83233	162.422343	179.694092	257.88647	271.724185	871.727089	4.26361198	4.85375764	6.93123011	7.22422555	23.2728253	EnzymeReg
7.32789147	8.02667759	11.5412059	12.0346247	38.9303997	954.939978	1069.45082	1552.16728	1655.71108	5232.26916	163.359496	180.488095	259.715957	270.910032	874.47358	4.31745721	4.88826462	6.98695514	7.20350283	23.3961798	EnzymeReg
1.88341726	13.547393	24.9918044	8.58285716	49.0054718	293.336077	2097.53962	3863.86782	1311.90262	7566.64613	43.8198576	314.098903	578.651367	198.121529	1134.69166	1.27051484	8.99005783	16.4573779	5.59900193	32.3169525	EnzymeReg
1.94899785	13.0969824	25.1737192	8.49868951	48.718389	302.232613	2030.74357	3921.59407	1297.4557	7552.02595	45.2381778	303.697015	583.523561	196.044762	1128.50352	1.30153899	8.68514086	16.6238852	5.52125206	32.1318167	EnzymeReg
1.88517778	13.5360014	24.9916804	8.58693148	48.9997911	293.737199	2096.54376	3865.00101	1312.0512	7567.33318	43.8642636	313.860087	578.696782	198.211884	1134.63302	1.27185543	8.98408548	16.4622408	5.60276633	32.3209428	EnzymeReg
1.90976581	13.3761267	24.9955046	8.6368077	48.9182048	299.159345	2081.7507	3881.28965	1313.53126	7575.73095	44.4774299	310.479846	579.425787	199.311708	1133.69477	1.29001527	8.89821794	16.5297213	5.64884862	32.3668032	EnzymeReg
1.79544611	14.1166155	24.9979996	8.3792674	49.2893287	273.292476	2147.30141	3807.2435	1304.47793	7532.31532	41.6009378	326.032276	576.382053	193.606601	1137.62187	1.20352696	9.28848964	16.2143861	5.41090035	32.1173013	EnzymeReg
1.91977124	13.3049359	25.040955	8.60158314	48.8672454	299.943127	2068.74225	3891.56857	1309.43148	7569.68542	44.671445	308.750007	580.47085	198.478532	1132.37083	1.29295417	8.84387646	16.5537361	5.61630741	32.3068742	EnzymeReg
0.418682	18.673744	21.5676777	9.18023588	50.2207896	63.1761207	2950.39797	3310.35596	1362.75646	7744.32921	9.6198935	433.60753	496.83396	209.943614	1158.74855	0.27459556	12.3482718	13.9485123	5.80388107	32.6163049	EnzymeReg
0.12745294	19.1490274	22.4267417	8.46782642	50.2868631	19.2317367	2912.77652	3342.00302	1225.6299	7517.18846	2.9284365	440.398766	513.917255	193.245601	1153.15172	0.08359091	12.3956087	14.4119253	5.35894992	32.3234521	EnzymeReg
0.28533944	18.8913581	21.9610101	8.85405096	50.2510421	43.0556756	2933.17255	3324.84594	1299.97147	7640.33019	6.5561324	436.716977	504.655744	202.298235	1156.18598	0.18714187	12.3699455	14.1606913	5.60016419	32.4822189	EnzymeReg
0.06510354	19.2507811	22.6106592	8.31530629	50.3010088	9.8236593	2904.72212	3348.77836	1196.2724	7468.55978	1.4958582	441.852705	517.574627	189.670715	1151.9535	0.04269862	12.405743	14.5111376	5.26369437	32.2607551	EnzymeReg
0.12662174	19.150384	22.4291936	8.46579313	50.2870517	19.1063145	2912.66914	3342.09335	1225.23853	7516.54018	2.9093837	440.418149	513.966013	193.197943	1153.13575	0.08304576	12.3957438	14.4132479	5.35768004	32.3226163	EnzymeReg
0	19.1910747	22.9282729	8.21557993	50.3349276	0	2871.52841	3374.63857	1175.97785	7422.14484	0	439.575255	524.219729	187.334923	1151.12991	0	12.3105044	14.6918277	5.20717136	32.2095035	EnzymeReg
9.57287739	30.3039199	6.7258846	3.63580674	50.2384887	1504.18898	4737.05727	1023.99072	543.84577	7809.08275	221.976541	701.53521	154.560494	83.2642074	1161.33645	6.27661574	19.7954205	4.28218607	2.30201408	32.6562364	EnzymeReg
9.75938294	30.2424489	6.3333838	4.04528933	50.380505	1517.03049	4710.72849	939.751566	613.98071	7781.49112	225.521685	699.433587	144.655981	93.1670036	1162.77826	6.34724967	19.72714	3.98603503	2.61631875	32.6767434	EnzymeReg
9.76240001	30.2020182	6.3548884	4.10551252	50.4248191	1516.24123	4704.68462	942.439167	623.92783	7787.29285	225.52294	698.476046	145.128892	94.589839	1163.71772	6.34463964	19.69775	3.9965322	2.65814427	32.6970723	EnzymeReg
9.47923475	30.3907378	6.8834351	3.35416081	50.1075685	1499.15597	4758.24769	1060.53961	496.12792	7814.0712	220.276148	703.900777	158.635135	76.5006214	1159.31268	6.24647557	19.86982	4.40918946	2.09207493	32.6175672	EnzymeReg
9.73340213	30.5906088	6.1482038	3.52669098	49.9989043	1523.82706	4762.7739	916.607905	528.32198	7731.53084	225.510877	707.67923	140.583608	80.9145806	1154.6883	6.36972534	19.98017	3.89564109	2.25614787	32.5016862	EnzymeReg

9.722950 45	30.73066 82	6.073706 7	3.318066 82	49.84539 22	1526.561 21	4783.710 97	907.2975 65	493.8628 43	7711.432 59	225.5065 29	710.9963 26	138.9453 55	75.98561 87	1151.433 83	6.378766 96	20.08196 28	3.859276 99	2.111256 64	32.43126 34	EnzymeReg
3.332839 13	15.38040 94	22.08702 35	8.234857 74	49.03512 98	516.4979 44	2318.724 7	3283.115 17	1190.390 73	7308.728 54	77.40600 9	354.8979 07	507.0567 69	188.1053 95	1127.466 08	2.211695 84	10.07500 02	14.26317 76	5.330332 81	31.88020 65	EnzymeReg
3.314227 35	15.44664 5	22.05050 96	8.311356 65	49.12273 87	509.2868 48	2346.928 26	3308.132 61	1209.013 14	7373.360 87	76.68004 35	356.5992 9	506.5446 06	189.8761 26	1129.700 07	2.163858 89	10.07225 83	14.15252 08	5.318579 25	31.70721 73	EnzymeReg
3.099121 27	16.37285 27	21.95950 94	7.827300 5	49.25878 38	467.9002 52	2490.125 56	3300.607 3	1165.802 45	7424.435 57	70.98345 64	376.2608 9	502.7459 33	178.9488 26	1128.939 11	1.954903 06	10.46415 63	13.83872 41	4.918365 82	31.17614 92	EnzymeReg
3.177048 11	16.07745 87	22.07517 27	7.660842 89	48.99052 24	493.3753 09	2392.588 58	3229.217 36	1116.890 2	7232.071 46	73.72015 74	369.1375 07	504.6518 91	175.0646 38	1122.574 19	2.116523 97	10.42800 81	14.19352 11	4.997303 6	31.73535 68	EnzymeReg
3.118739 62	16.28837 97	21.96780 89	7.871447 93	49.24637 61	471.6748 39	2477.065 52	3301.293 63	1169.743 4	7419.777 39	71.50300 3	374.4676 9	503.0923 84	179.9454 3	1129.008 51	1.973960 49	10.42841 4	13.86734 33	4.954866 54	31.22458 43	EnzymeReg
3.150646 07	16.19558 83	22.07316 43	7.563564 1	48.98296 28	489.4566 96	2405.106 36	3220.083 25	1104.434	7219.080 31	73.09551 29	371.5507 04	504.2443 35	172.8546 09	1121.745 16	2.100395 11	10.48783 27	14.18171 63	4.940864 84	31.71080 9	EnzymeReg
1.672034 89	20.89199 14	21.15839 06	5.621755 33	49.34417 22	250.2910 29	3217.624 22	3191.012 42	839.1148 63	7498.042 53	38.40235	482.9074 47	486.4055 9	128.9445 73	1136.659 96	1.102249 21	13.80871 44	13.70512 76	3.593273 89	32.20936 51	EnzymeReg
1.390007 02	21.22557 76	21.34429 75	5.174343 17	49.13422 53	207.0368 6	3216.896 77	3202.700 85	763.9196 65	7390.554 14	31.97080 07	489.1484 6	490.2113 61	118.5466 5	1129.877 27	0.917813 61	13.97160 59	13.81011 89	3.313797 49	32.01333 58	EnzymeReg
1.439754 61	21.16673 55	21.31150 49	5.253263 31	49.17125 84	214.6665 7	3217.025 08	3200.639 1	777.1835 32	7409.514 28	33.10527 75	488.0475 93	489.5400 52	120.3807 65	1131.073 69	0.950346 66	13.94287 3	13.79159 92	3.363095 02	32.04791 39	EnzymeReg
1.510930 29	21.08254 8	21.26458 74	5.366177 21	49.22424 29	225.5826 72	3217.208 67	3197.689 28	796.1606 27	7436.641 25	34.72841 47	486.4725 41	488.5795 85	123.0049 01	1132.785 44	0.996892 88	13.90176 39	13.76510 24	3.433626 79	32.09738 6	EnzymeReg
1.813498 45	20.58818 43	21.04850 41	5.949560 51	49.39974 74	272.5647 56	3196.461 59	3182.050 91	897.9665 8	7549.043 84	41.65610 95	476.6977 44	484.2216 83	136.7969 29	1139.372 47	1.197695 33	13.64624 16	13.64576 65	3.813842 85	32.30354 62	EnzymeReg
1.757816 2	20.79052 82	21.10184 53	5.757839 76	49.40802 95	263.4471 73	3217.845 48	3187.457 28	861.9861 58	7530.736 09	40.35856 35	481.0091 86	485.2480 3	132.1071 95	1138.722 97	1.158346 96	13.75916 95	13.67319 36	3.678279 14	32.26898 92	EnzymeReg
1.575661 5	10.70725 57	21.21101 47	13.58036 41	47.07429 6	229.8612 48	1582.870 69	3117.854 52	1979.712 42	6910.298 89	35.93556 12	244.9921 36	485.3929 78	310.3634 36	1076.684 11	1.016852 18	6.893232 86	13.57560 86	8.637265 88	30.12295 95	EnzymeReg
1.558224 58	9.704583 03	20.32904 23	14.34264 82	45.97476 17	230.0134 65	1464.599 41	3055.981	2121.269 99	6877.491 65	35.67702 29	223.5455 59	467.2848 28	327.9538	1055.368 14	1.008569	6.353863 48	13.18040 45	9.134579 3	29.70210 69	EnzymeReg
1.698625 69	9.826500 73	21.45244 27	12.78031 2	45.94824 78	252.7615 95	1482.754 85	3214.103 56	1878.309 72	6854.537 9	38.96565 05	226.4331 55	492.7474 06	291.8443 49	1054.278 53	1.101757 09	6.452990 54	13.89610 6	8.137409 86	29.70500 12	EnzymeReg
1.582606 04	9.725754 75	20.52412 73	14.07133 95	45.97015 74	233.9638 09	1467.752 21	3083.439 9	2079.078 53	6873.505 6	36.24811 21	224.0470 06	471.7065 52	321.6831 85	1055.178 92	1.024751 65	6.371077 46	13.30469 02	8.961415 05	29.70260 95	EnzymeReg
1.640240 86	9.775802 11	20.98528 45	13.42999 86	45.95927 34	243.3019 44	1475.205 04	3148.349 39	1979.343 05	6864.083 06	37.59809 77	225.2323 68	482.1589 7	306.8602 13	1054.731 64	1.063005 47	6.411769 24	13.59848 65	8.552075 81	29.70379 76	EnzymeReg
1.521130 96	9.672372 68	20.03224 28	14.75541 35	45.98176 66	224.0034 66	1459.802 97	3014.205 43	2185.459 48	6883.555 97	34.80817 58	222.7826 63	460.5576 79	337.4938 25	1055.656 01	0.983948 95	6.327674 35	12.99131 8	9.398028 94	29.70134 23	EnzymeReg
1.336822 25	10.56803 78	24.21915 72	10.06923 92	46.44606 04	204.2319 85	1581.852 23	3638.155 73	1530.503 83	6993.572 62	30.86138 08	242.5345 77	555.7385 11	231.0595 71	1066.010 35	0.881339 12	6.841935 42	15.57455 39	6.387781 18	29.84382 05	EnzymeReg
1.337073 75	10.56581 39	24.22099 96	10.06902 3	46.44534 87	204.2513 16	1581.442 85	3638.202 58	1530.447 73	6993.117 17	30.86719 27	242.4844 59	555.7780 01	231.0554 33	1065.992 98	0.881481 25	6.840428 55	15.57549 54	6.387686 79	29.84307 4	EnzymeReg
1.712243 97	10.07300 77	25.26646 21	9.270052 65	46.32176 64	250.5845 91	1499.170 75	3770.299	1411.406 45	6931.460 8	39.37768 91	232.2174 91	580.5670 3	213.4983 19	1065.660 53	1.105773 64	6.515851 54	16.22854 57	5.924439 74	29.77461 07	EnzymeReg
1.947561 09	11.29102 31	25.00151 64	8.511318 56	46.75141 91	289.1050 51	1733.247 32	3886.784 5	1317.625 44	7226.762 31	44.62949 08	260.6456 18	577.6691 98	196.3313 68	1079.275 67	1.253088 83	7.352044 53	16.23194 86	5.459557 89	30.29663 99	EnzymeReg
1.348465 55	10.46507 86	24.30445 55	10.05923 1	46.41311 08	205.1269 28	1562.899 31	3640.324 7	1527.906 73	6972.487 14	31.13045 08	240.2143 34	557.5667 46	230.8680 02	1065.206 47	0.887919 21	6.772173 25	15.61813 98	6.383411 42	29.80926 32	EnzymeReg
1.418025 69	9.849973 14	24.81405 02	9.999439 04	46.21626 14	210.4735 52	1449.669 53	3653.282 68	1512.390 96	6846.516 92	32.73794 67	226.3525 88	568.4891 09	229.7235 21	1060.403 92	0.927230 39	6.355395 54	15.87853 33	6.357305 33	29.60280 89	EnzymeReg
3.831765 61	22.55582 78	19.92356 47	4.466692 95	50.77785 12	594.5993 4	3493.507 67	3123.029 14	707.9950 77	7919.131 22	88.75372 7	521.5189 26	461.5547 4	104.2303 96	1176.057 79	2.560146 24	14.88760 96	12.99778 43	2.938800 94	33.38434 11	EnzymeReg
4.025681 32	22.19537 43	19.58669 75	4.785859 71	50.59361 28	631.4283 29	3452.055 81	3084.094 47	757.1668 34	7924.745 44	93.41440 85	513.5711 85	454.1215 71	111.3355 38	1172.442 7	2.685647 88	14.64216 96	12.79473 79	3.116902 3	33.23945 77	EnzymeReg
3.695566 21	23.79481 54	19.54690 54	3.510720 55	50.54800 75	573.3500 1	3627.169 84	3004.835 63	554.2485 25	7759.604	85.77038 54	548.3903 56	451.4004	81.84072 54	1167.401 87	2.497830 03	15.58671 45	12.66832 44	2.302287 64	33.05515 65	EnzymeReg
4.675808 74	20.98690 74	18.45730 65	5.855907 43	49.97593	754.9022 63	3313.083 1	2953.560 98	922.0214 89	7943.567 83	109.0399 44	486.9253 58	429.2009 12	135.1564 43	1160.322 66	3.106408 31	13.81930 02	12.11399 89	3.714010 07	32.75371 75	EnzymeReg
4.162953 93	21.94020 99	19.34822 97	5.011797 33	50.46319 08	657.4995 08	3422.712 1	3056.532 68	791.9754 38	7928.719 73	96.71369 71	507.9449 92	448.8596 43	116.3652 56	1169.883 59	2.774490 28	14.46842 3	12.65100 18	3.242979 95	33.13689 5	EnzymeReg
3.666609 51	22.86282 26	20.21047 13	4.194861 76	50.93476 51	563.2324 53	3528.811 81	3156.189 41	666.1159 77	7914.349 65	84.78427 05	528.2879 38	467.8854 98	98.17901 68	1179.136 72	2.453257 73	15.09664 85	13.17071 69	2.787113 76	33.50773 69	EnzymeReg

8.82128451	22.4133865	13.9974238	3.7057385	48.9378257	1334.77014	3408.7548	2095.77197	543.679544	7382.97646	203.21822	516.194307	321.577951	84.7489614	1125.73944	5.80361211	14.6178647	9.02919431	2.32082153	31.7714927	EnzymeReg
8.85296201	21.7880579	13.8289078	4.1128125	48.5827402	1340.42068	3338.48811	2093.98669	596.119812	7369.0153	203.95468	502.645464	318.181338	93.8198124	1118.60118	5.78845466	14.2081932	8.95577253	2.58297269	31.535393	EnzymeReg
8.83033832	22.2346601	13.9492599	3.8220797	48.836338	1336.38513	3388.67174	2095.26172	558.667603	7378.98619	203.42867	512.321885	320.607158	87.3415196	1123.69924	5.79927993	14.5007757	9.00820948	2.39574748	31.7040126	EnzymeReg
8.83829474	22.0775967	13.9069338	3.9243261	48.7471515	1337.80437	3371.0229	2094.81331	571.838989	7375.47957	203.61362	508.918831	319.754033	89.619839	1121.90633	5.79547284	14.3978787	8.98976818	2.46159181	31.6447116	EnzymeReg
8.81171624	22.6022686	14.0483245	3.5827708	49.0450802	1333.06337	3429.97903	2096.31122	527.839833	7387.19346	202.99585	520.286768	322.603907	82.0090887	1127.89557	5.80819045	14.741607	9.05137154	2.24163813	31.8428072	EnzymeReg
9.13079385	22.1435058	12.8871664	5.0939772	49.2554434	1361.43915	3368.65513	1957.68442	799.16706	7486.94575	208.85941	508.677705	296.007768	118.183544	1131.72843	5.84672092	14.1879596	8.28961775	3.37530458	31.6996029	EnzymeReg
1.82626382	21.23089	20.9153302	5.6664478	49.6389318	275.830893	3266.56529	3148.88801	845.525558	7536.80975	41.9937605	490.515642	480.755664	129.826933	1143.092	1.20732954	14.0163265	13.5600246	3.6113027	32.3949834	EnzymeReg
1.27639326	21.4333959	21.3992721	4.9659358	49.074997	189.877766	3223.44161	3202.37613	728.738233	7344.43374	29.3903398	493.215084	491.241805	113.681216	1127.52845	0.84410898	14.0790184	13.8400623	3.1822274	31.9454124	EnzymeReg
1.26527383	21.39246	21.4212718	4.9690438	49.0480495	187.976719	3218.37648	3206.54428	729.374793	7342.27227	29.1290593	492.317684	491.762115	113.769664	1126.97852	0.83639942	14.0546585	13.8532995	3.1851901	31.9295476	EnzymeReg
1.31634091	21.5804623	21.3202357	4.9547696	49.1718086	196.707465	3241.63859	3187.40165	726.451326	7352.19903	30.3290165	496.439083	489.372542	113.363454	1129.5041	0.87180635	14.1665338	13.7925062	3.1715602	32.0024084	EnzymeReg
1.30001413	21.5203556	21.3525382	4.9593332	49.1322413	193.916136	3234.2014	3193.52179	727.385995	7349.02532	29.9453752	495.12142	490.136519	113.493325	1128.69664	0.86048631	14.1307658	13.8119426	3.1759191	31.9791139	EnzymeReg
1.8077242	21.517408	20.8557879	5.5355402	49.7164607	273.944719	3291.15483	3131.52089	822.96578	7519.58622	41.6086665	496.519512	479.194599	126.705305	1144.02808	1.19734733	14.1776151	13.5224219	3.5245173	32.4218897	EnzymeReg
4.91819374	32.7807769	10.1325493	2.0073284	49.8388484	745.47352	5036.25565	1548.81855	338.806662	7669.35439	113.18064	755.447583	232.85252	47.105365	1148.58611	3.23040707	21.2895334	6.45889311	1.2823893	32.2612229	EnzymeReg
5.11449701	31.9257083	10.0695912	1.9084371	49.0182342	778.283841	4907.60891	1550.86497	324.413638	7561.17135	117.74715	736.117562	231.846385	44.71659	1130.4277	3.36751817	20.7946977	6.44930084	1.1854512	31.7969738	EnzymeReg
5.13151088	31.9060964	10.0600682	1.9041387	49.0018142	781.228414	4905.79418	1549.06313	322.52653	7558.61225	118.14831	735.724906	231.619371	44.57768	1130.07028	3.37844619	20.7863422	6.44334714	1.1813932	31.7895288	EnzymeReg
5.22537394	31.7979002	10.0075309	1.8804220	48.9112271	797.473283	4895.78251	1539.12262	312.115571	7544.49399	120.36143	733.558669	230.366962	43.81133	1128.09841	3.43873478	20.740246	6.41050103	1.1589737	31.7484559	EnzymeReg
4.62640955	32.4883277	10.3427851	2.0317645	49.4892869	693.810666	4959.66945	1602.55555	378.550533	7634.5862	106.23892	747.381977	238.358902	48.701611	1140.68141	3.05401788	21.0343974	6.62009894	1.3020384	32.0105527	EnzymeReg
4.74496576	32.6992591	10.2504908	2.0290557	49.7237714	714.972532	5006.56469	1577.37643	361.320955	7660.23461	109.06852	752.826995	235.885287	48.168171	1145.94898	3.12407251	21.196425	6.54594155	1.3013852	32.1678243	EnzymeReg
6.19888905	12.251942	16.648575	16.741398	51.8408053	1002.8248	1995.10397	2752.31712	2683.84375	8434.0897	144.09154	285.645547	389.270583	388.30219	1207.30986	4.069804	8.0963776	10.96536171	10.79301775	33.9245663	EnzymeReg
5.42239389	10.8314571	20.7547911	15.855164	52.8638063	883.826077	1851.6756	3569.78136	2584.90034	8890.18338	126.63083	256.062277	491.383339	370.31853	1244.39499	3.61386183	7.3045017	14.04367	10.48636	35.4483991	EnzymeReg
6.36099432	12.54849	15.791339	16.926414	51.6272382	1027.66769	2025.04684	2581.65893	2704.4997	8338.87316	147.73671	291.821508	367.95298	392.05653	1199.56777	4.16498891	8.2616935	10.32272	10.85703	33.6064428	EnzymeReg
5.12365577	12.3720977	19.0543769	15.771209	52.3213395	827.358911	2043.34114	3182.20973	2521.6024	8574.51218	119.24876	289.621725	447.529066	366.406521	1222.80607	3.38196999	8.1961716	12.69801	10.31684	34.5929994	EnzymeReg
4.71451684	15.1560544	15.6663526	15.739217	51.2761413	746.573553	2385.54756	2424.70103	2426.76465	7983.58679	108.92402	350.095253	360.621331	362.019718	1181.66033	3.04614304	9.8036694	10.03809	10.06804	32.9559523	EnzymeReg
6.39700693	12.6143699	15.6009001	16.967516	51.579793	1033.18667	2031.69881	2543.74624	2709.08854	8317.72026	148.54653	293.193532	363.217153	392.890606	1197.84782	4.18613478	8.2984193	10.17995	10.87125	33.5357699	EnzymeReg
4.76905662	20.7452608	16.7762517	8.0440401	50.3346092	727.502324	3213.20394	2503.20652	1174.03789	7617.95068	109.91795	478.338512	383.429508	183.095321	1154.78125	3.07792844	13.342575	10.60428	5.00789513	32.0326814	EnzymeReg
4.780628	20.7422858	16.7705105	8.0366164	50.3300408	729.145907	3212.79234	2502.23118	1172.90267	7617.0721	110.17846	478.272517	383.294156	182.920246	1154.66538	3.08488758	13.340906	10.60043	5.00233612	32.028564	EnzymeReg
4.15042951	20.9043074	17.083186	8.4401959	50.5788425	639.633416	3235.20871	2555.34975	1234.72897	7664.92085	95.9879057	481.866703	390.665674	192.45513	1160.97541	2.70588044	13.431707	10.81004	5.30508979	32.2528049	EnzymeReg
4.54030735	20.8040713	16.8897466	8.1907936	50.4249191	695.011106	3221.34063	2522.48748	1196.47959	7635.3188	104.76702	479.643128	386.105219	186.55629	1157.07166	2.94035654	13.375564	10.68036	5.11778857	32.1140763	EnzymeReg
4.16785014	19.7728523	17.0982132	9.1976062	50.2365218	652.36347	3049.74411	2543.34315	1336.39227	7581.843	96.6476918	456.366623	391.262499	209.359879	1153.63669	2.76668696	12.898391	10.96875	5.83676445	32.4705981	EnzymeReg
4.15936973	19.8066399	17.1017569	9.1815112	50.2492778	650.871294	3055.22994	2544.3535	1334.32506	7584.7798	96.4492306	457.12738	391.339242	209.006683	1153.92254	2.76017521	12.914504	10.96696	5.82569241	32.4673336	EnzymeReg
1.61839172	23.8446668	20.3514296	4.2560598	50.0705479	250.070981	3601.52577	3038.163	618.736491	7508.49624	37.4662283	548.699975	466.974683	96.9557836	1150.09667	1.08406634	15.618164	13.14594	2.70062465	32.5488049	EnzymeReg

2.19694445	24.6827885	17.6396243	4.11209951	49.5320699	336.021942	3862.58806	2790.79333	571.415161	7683.42556	50.6252333	572.601465	410.606444	93.0204913	1147.13645	1.44031676	16.3632275	11.7570068	2.61586921	32.7534156	EnzymeReg
2.28047411	24.5736335	17.3984144	4.23978669	49.4883643	348.510675	3846.39878	2764.99461	587.084041	7682.58845	52.5321741	570.157062	405.599797	95.8272824	1146.54861	1.49278623	16.2990599	11.6530457	2.69573418	32.7787684	EnzymeReg
1.77804996	25.230192	18.8492725	3.47175857	49.7512501	273.391955	3943.77598	2920.17184	492.836987	7687.62361	41.0620784	584.859948	435.714377	78.9446597	1150.08446	1.17718661	16.6850228	12.2783634	2.21535285	32.6262735	EnzymeReg
1.5287156	25.5560174	19.5692792	3.09061488	49.8817105	236.113338	3992.10065	2997.18051	446.065691	7690.12237	35.3698978	592.156442	450.65912	70.566444	1151.83918	1.02056629	16.8765618	12.5886852	1.97695752	32.550596	EnzymeReg
1.76722174	25.2443421	18.8805413	3.45520607	49.7569158	271.773001	3945.87465	2923.51621	490.80578	7687.73212	40.8148755	585.176824	436.363405	78.5808063	1150.16067	1.17038482	16.6933411	12.2918402	2.2049997	32.622987	EnzymeReg
2.43975011	18.487586	23.3053888	5.07634061	49.3090655	377.523005	2791.70998	3556.65251	763.527748	7489.41325	56.3794979	425.215329	536.547923	116.339298	1134.48205	1.60552337	12.0393761	15.0788418	3.21321223	31.9369534	EnzymeReg
2.79630313	18.7962447	23.0328591	4.23564605	48.861053	429.13205	2898.1777	3525.41815	634.238775	7486.96668	64.7779219	434.353999	531.064167	97.1186246	1127.31471	1.88456505	12.3768142	14.9727059	2.71632871	31.9504139	EnzymeReg
2.60869007	18.7047991	23.0635999	4.62767603	49.0047651	400.311656	2862.06748	3530.8604	696.764904	7490.00444	60.3428284	431.446821	531.560301	106.110525	1129.46048	1.74305784	12.2648592	14.9611404	2.94475476	31.9138121	EnzymeReg
2.61921508	18.4035601	23.5482429	4.82296958	49.3939877	409.114121	2778.13278	3578.01236	717.018022	7482.27729	60.6605529	423.401105	541.847514	110.448765	1136.35794	1.72802715	11.9879371	15.2528175	3.07452099	32.0433027	EnzymeReg
2.33067353	18.5692894	23.1091536	5.20861061	49.2177266	357.603828	2808.55715	3538.92505	789.41996	7494.50599	53.7706346	427.138785	532.295504	119.435275	1132.6402	1.53336376	12.0989573	14.9440018	3.28325035	31.8595733	EnzymeReg
2.33582234	18.5362451	23.1647525	5.22306722	49.2598872	359.228658	2799.57251	3544.28307	790.46143	7493.54567	53.9003482	426.265943	533.478941	119.750493	1133.39573	1.53458177	12.0691643	14.9780928	3.29352802	31.8753668	EnzymeReg
3.25761549	15.8616132	24.196847	5.02890553	48.3449812	494.790536	2355.71064	3498.74324	727.358395	7076.60282	75.2411254	363.889307	551.410156	114.475944	1105.01653	2.15663076	10.3328176	15.5640565	3.17722569	31.2307305	EnzymeReg
4.11004197	14.8821231	23.9612604	5.45359556	48.4070241	588.778116	2130.33256	3433.98114	807.213725	6960.30553	93.5429744	338.568882	545.086808	125.450502	1102.64917	2.64077979	9.5121114	15.1875368	3.51655922	30.8569873	EnzymeReg
4.1259208	14.9317084	23.9394239	5.43299628	48.430094	594.176726	2145.45267	3432.70829	798.313821	6970.6515	93.9895129	339.999229	544.731007	124.8266552	1103.5464	2.65481444	9.5538098	15.1833611	3.49746272	30.8894482	EnzymeReg
3.38713311	15.6836334	24.1685517	5.10568761	48.3450059	507.503039	2313.163	3488.93187	743.956482	7053.55439	77.9765097	359.224574	550.551692	116.499442	1104.25222	2.22803629	10.1836248	15.5056282	3.23970932	31.1569987	EnzymeReg
3.27765284	15.8340783	24.1924695	5.0407843	48.34985	496.757256	2349.1282	3497.22535	729.926244	7073.03705	75.6643099	363.167637	551.277345	114.788995	1104.89829	2.16767773	10.3097364	15.5550172	3.18689238	31.2193236	EnzymeReg
4.10096663	14.8537833	23.9737407	5.46536881	48.3938594	585.692611	2121.69085	3434.70862	812.30035	6954.39243	93.2877611	337.751385	545.290162	125.807056	1102.13636	2.63275849	9.4882792	15.1899234	3.52747358	30.8384346	EnzymeReg
1.60263111	10.792502	21.4732917	13.2446785	47.1382486	234.044521	1593.62171	3150.87251	1926.06879	6908.12218	36.5578883	246.867085	491.219804	302.606659	1077.81783	1.03454665	6.9452721	13.7322653	8.42233772	30.1498416	EnzymeReg
1.57006739	10.6021339	21.0908729	13.7003081	46.9633824	229.257172	1570.36816	3107.26613	2000.70164	6907.5931	35.8197418	242.736023	482.861	313.132805	1074.54958	1.01347327	6.8357710	13.5159918	8.71491541	30.0801515	EnzymeReg
1.64062069	10.4150644	21.4686907	13.0581132	46.6727306	241.437113	1550.3168	3176.10365	1906.62071	6887.09165	37.5100166	238.884084	491.897822	298.283077	1068.60767	1.06112882	6.7530441	13.7986107	8.30774232	29.9758644	EnzymeReg
1.59507442	10.8675798	21.4742069	13.281789	47.2308468	232.574028	1602.23568	3145.85368	1929.9373	6912.30545	36.3684963	248.455019	491.084936	303.466682	1079.64986	1.02925908	6.9835007	13.7190683	8.44513239	30.1844482	EnzymeReg
1.68657666	9.9584791	21.4631249	12.8324257	46.1095947	250.379914	1497.93096	3206.6257	1883.09441	6861.65107	38.6618038	229.227067	492.718019	293.05285	1057.46617	1.09328532	6.5205063	13.8788685	8.16911656	29.7654046	EnzymeReg
1.57903739	10.7706938	21.283517	13.5079812	47.1412294	230.225793	1590.41564	3124.24433	1967.046	6911.93176	36.0054514	246.35364	486.920959	308.692197	1077.97225	1.01889126	6.9279095	13.6115857	8.59040647	30.1487929	EnzymeReg
5.68017277	15.6960109	14.2263599	15.3942041	50.9967477	879.152361	2435.37066	2147.27242	2336.14625	7797.9417	130.416433	360.947235	325.430975	352.790367	1169.58501	3.60526744	10.004202	9.00389734	9.74681825	32.3601858	EnzymeReg
5.74462678	15.6984545	14.174831	15.3731626	50.9910749	888.275986	2434.64464	2138.51326	2331.58355	7793.01743	131.86456	360.945919	324.21757	352.266868	1169.29492	3.64369019	9.9987140	8.96941675	9.72967001	32.341491	EnzymeReg
6.11414444	18.0592714	11.8927623	14.1437955	50.2099735	914.496149	2697.99299	1753.87381	2086.3427	7452.70566	139.625805	412.838893	271.210729	322.249177	1145.9246	3.85689155	11.463709	7.584355	8.85104933	31.7560054	EnzymeReg
6.36425729	17.6547648	12.0432603	14.2577307	50.3200131	954.501945	2647.98545	1778.87784	2107.28446	7488.6497	145.340675	403.678275	274.625635	324.983583	1148.62817	4.00723904	11.178427	7.66001384	8.92215624	31.7678365	EnzymeReg
5.98911714	18.2614775	11.8175309	14.0868411	50.1549666	894.497919	2722.99093	1741.37472	2075.87427	7434.73783	136.769037	417.418133	269.503675	320.882293	1144.57314	3.78173527	11.606317	7.54653441	8.81550417	31.7500913	EnzymeReg
6.30688331	15.7197703	13.7253252	15.189609	50.9415885	967.864763	2428.31127	2062.1038	2291.78136	7750.06119	144.497131	360.934439	313.632582	347.700191	1166.76434	3.97886615	9.9508342	8.66862969	9.58007952	32.1784096	EnzymeReg
8.97460046	16.198093	16.8788851	8.631939	50.6835175	1403.23431	2531.00555	2637.39018	1350.1502	7921.78024	208.28192	375.410469	391.546121	200.436456	1175.67497	5.95771105	10.696664	11.222183	5.701668	33.5782086	EnzymeReg
9.25700562	15.9333822	17.0053225	8.88559061	51.081301	1425.33161	2485.63113	2670.85905	1375.41045	7957.23223	214.141092	369.421496	394.979798	205.824594	1184.36698	6.16401019	10.604918	11.341589	5.82583857	33.9363561	EnzymeReg

8.57487892	16.5125554	16.7256184	8.23283864	50.0458914	1375.02597	2578.23254	2581.43244	1301.83752	7836.52846	200.03467	382.21001	386.77632	191.74512	1160.76612	5.64997843	10.7538589	11.033037	5.50875973	32.945634	EnzymeReg
9.68922996	15.5282394	17.1988365	9.27380731	51.6901131	1459.15177	2416.18505	2722.08355	1414.07154	8011.49191	223.10862	360.25530	400.23507	214.07121	1197.67021	6.47975339	10.464527	11.524341	6.01588305	34.484504	EnzymeReg
9.60479992	15.6073855	17.1610355	9.197973	51.5711877	1452.54534	2429.75066	2712.07735	1406.51947	8000.89282	221.35690	362.04582	399.20851	212.46030	1195.07155	6.41807606	10.491951	11.488642	5.97875973	34.377429	EnzymeReg
9.81593214	15.4094758	17.2555632	9.38760909	51.8685802	1469.06581	2395.82764	2737.09949	1425.40464	8027.39758	225.73732	357.56832	401.77561	216.48861	1201.56991	6.57231003	10.423372	11.577913	6.07159265	34.645192	EnzymeReg
10.7112123	12.4265556	11.119077	14.62998773	48.8868322	1532.10029	1796.21859	1599.99306	2113.69651	7042.00845	242.97283	282.33294	252.44497	333.10056	1110.85132	6.78694767	7.8276431	7.0335404	9.34728765	30.995418	EnzymeReg
10.6787898	14.1943763	7.8262615	15.5267204	48.2261475	1634.37889	2142.89968	1136.50587	2233.34682	7147.13126	245.88629	325.94245	178.11830	353.47919	1103.4262	6.93232616	9.0929389	4.9446214	9.87707133	30.846957	EnzymeReg
10.6792997	14.1665726	7.8780493	15.5126168	48.2365385	1632.77029	2137.44719	1143.79544	2231.465	7145.47792	245.84073	325.25653	179.28729	353.15869	1103.54298	6.93003977	9.0730387	4.9774523	9.86873906	30.849228	EnzymeReg
10.2810809	14.7380179	7.1463517	15.7597434	47.9251939	1612.01068	2256.27291	1044.95412	2253.89993	7167.13701	238.40564	339.76426	162.94614	358.30459	1099.42061	6.76796753	9.5323924	4.5281066	9.97692129	30.805387	EnzymeReg
10.6781831	14.2274556	7.7646423	15.5434999	48.2137848	1636.29272	2149.38673	1127.83315	2235.5857	7149.09833	245.94081	326.75842	176.72751	353.86052	1103.28726	6.93504647	9.1166149	4.9055338	9.88698457	30.844179	EnzymeReg
10.7134462	12.304752	11.345953	14.568202	48.9323537	1525.05324	1772.3321	1631.92754	2105.45255	7034.76544	242.77209	279.32823	257.56613	331.69647	1111.36291	6.77693102	7.7404637	7.1774678	9.31078531	31.005648	EnzymeReg
1.25674219	14.1076851	19.4956488	11.5057329	46.3658099	189.40736	2143.58014	2977.69194	1734.34381	7045.02325	28.916042	325.17423	449.70732	264.52433	1068.32187	0.81785213	9.1447425	12.578894	7.32936642	29.870856	EnzymeReg
1.1786292	14.2592379	20.327506	10.754383	46.5197573	178.51561	2175.4132	3112.52867	1626.17516	7092.63267	27.201108	329.44066	469.52652	247.54567	1073.71397	0.76262882	9.2676186	13.155654	6.85547396	30.041374	EnzymeReg
1.14635385	14.3218578	20.671219	10.443935	46.5833669	174.01532	2188.56624	3168.24159	1581.48116	7112.30432	26.492517	331.20348	477.71558	240.53032	1075.94192	0.73981121	9.3183863	13.393965	6.65966726	30.111834	EnzymeReg
0.99113298	14.198409	19.652194	11.310790	46.1525262	148.27714	2164.02052	2984.31463	1688.31668	6984.92896	22.873562	328.30155	453.85424	259.87418	1064.9035	0.64286765	9.1922234	12.686785	7.23146252	29.753338	EnzymeReg
0.86583025	14.2793264	19.965921	11.006971	46.1180494	129.24132	2181.54563	3028.0041	1637.71596	6976.50702	20.041941	330.79833	461.48823	252.91513	1065.24371	0.55916927	9.2478672	12.904057	7.04940634	29.760505	EnzymeReg
1.25873488	14.1038189	19.474427	11.524900	46.3618817	189.68521	2142.76806	2974.2522	1737.10323	7043.80872	28.959792	325.06543	449.20172	264.95736	1068.18432	0.81926009	9.1416097	12.564180	7.34145561	29.866507	EnzymeReg
7.83559638	15.9972396	11.662378	12.813056	48.3082707	1142.72779	2365.13848	1685.49122	1744.86332	6938.22081	178.26363	364.94391	264.96815	288.72191	1096.89764	4.94278457	10.178692	7.39632238	7.93250659	30.450306	EnzymeReg
8.21828255	14.2966176	12.542556	12.988557	48.0460149	1189.26657	2092.79409	1811.21	1848.52504	6941.79569	186.75078	325.72606	285.05240	294.78420	1092.31346	5.19175067	9.0728156	7.94905942	8.15291931	30.366545	EnzymeReg
8.57896548	14.1581072	11.149576	14.268398	48.1550479	1278.15168	2117.622	1620.37146	1993.15541	7009.30055	197.44440	324.70613	253.77492	322.43338	1098.35886	5.60758188	9.1666685	7.10601029	8.90835088	30.788616	EnzymeReg
8.25201623	14.148623	12.617238	13.005485	48.0233629	1193.42782	2069.1551	1821.88761	1857.72415	6942.19468	187.50245	322.31601	286.75717	295.34728	1091.92292	5.21393387	8.9768143	7.99599952	8.17306477	30.359816	EnzymeReg
8.69905774	13.8609929	11.066732	14.503511	48.1302945	1300.02959	2077.63538	1609.85128	2033.26733	7020.78358	200.54308	318.20574	251.96664	327.87952	1098.59493	5.71498077	9.0031746	7.05910999	9.06599982	30.843265	EnzymeReg
8.34377364	13.7460696	12.820375	13.051529	47.9617482	1204.74664	2004.85579	1850.93128	1882.74623	6943.27995	189.54703	313.04051	291.39427	296.87886	1090.86062	5.27427336	8.715701	8.12367909	8.22786155	30.341514	EnzymeReg
4.39370338	28.9779147	14.157003	1.8698891	49.3985108	667.71231	4400.97559	2171.15491	289.12599	7528.9688	101.32492	667.77641	326.53584	43.177172	1138.81436	2.90292949	18.920581	9.20821311	1.21993637	32.251597	EnzymeReg
4.18012558	29.3000081	13.870273	1.9322654	49.2826732	635.58085	4471.94887	2136.0575	293.26572	7536.85294	96.465005	675.66349	320.15289	44.448134	1136.72958	2.77633777	19.123371	9.00454089	1.25296541	32.157215	EnzymeReg
4.04209455	29.5081711	13.684965	1.9725781	49.2078095	614.81487	4517.81759	2113.37469	295.94115	7541.94832	93.324128	680.76085	316.02771	45.269534	1135.38223	2.69452376	19.254471	8.87291128	1.27431147	32.096218	EnzymeReg
4.07736848	28.6665949	14.383057	2.4954324	49.6224533	613.42935	4380.76622	2181.01955	378.59295	7553.80808	93.899159	660.59470	330.67897	57.390673	1142.56351	2.69282366	18.689620	9.30775461	1.63256074	32.322759	EnzymeReg
4.33066505	28.6344752	14.434321	2.1848478	49.5843097	654.50624	4352.21379	2195.19653	336.70008	7538.61664	99.763894	659.61221	332.21472	50.410985	1142.00183	2.85299072	18.684848	9.37125374	1.43198182	32.341075	EnzymeReg
4.48581198	28.8390069	14.280660	1.8429883	49.4484676	681.56949	4370.36727	2186.29121	287.34066	7525.56864	103.42084	664.37494	329.28858	42.629050	1139.71345	2.95752413	18.833034	9.29604988	1.20569221	32.292306	EnzymeReg
2.41722359	16.2610036	20.314906	7.2175317	46.2106644	372.28739	2516.80139	3092.44647	1086.07833	7067.61358	55.912124	376.59648	470.15018	166.40442	1069.06322	1.58682353	10.584949	13.311286	4.64132782	30.124387	EnzymeReg
2.72610351	16.7450691	20.538372	7.0165350	47.0260849	422.25170	2581.98247	3102.85872	1069.46616	7176.55905	63.078221	387.33676	473.55947	162.01924	1085.9937	1.78874401	10.948445	13.386682	4.52978825	30.653660	EnzymeReg
1.92511182	15.9936324	20.708974	7.7875797	46.4152986	296.70338	2464.03195	3152.17567	1155.46713	7068.37814	44.480415	369.38242	478.03282	178.57741	1070.47308	1.25753723	10.338987	13.430931	4.94949229	29.976948	EnzymeReg

2.46713004	16.2881185	20.2749425	7.15972092	46.1899119	379.952581	2522.15289	3086.38916	1079.04141	7067.53605	57.0714468	377.328081	469.350786	165.169927	1068.92024	1.62021739	10.6098932	13.2991528	4.61007599	30.1393394	EnzymeReg
2.82091613	16.9475649	20.6872299	6.98156716	47.437278	438.018656	2607.45523	3114.22041	1068.95935	7228.65365	65.2763389	391.692531	476.030532	161.22811	1094.22751	1.84991348	11.0956697	13.43548	4.50950871	30.8905719	EnzymeReg
1.98243793	16.0247785	20.6630696	7.72117478	46.3914607	305.508172	2470.17906	3145.21782	1147.38403	7068.28908	45.8120956	370.222792	477.114574	177.159387	1070.30885	1.29589558	10.3676399	13.4169937	4.91359421	29.9941235	EnzymeReg
3.71766366	14.0433217	17.3032794	14.2487671	49.3901283	577.193314	2158.74849	2574.7592	2089.14247	7410.97806	85.3254256	322.063572	397.055673	326.400624	1132.59278	2.31917811	8.8223505	10.9440963	9.09168587	31.2241937	EnzymeReg
3.78783035	14.0406686	17.0439284	14.2153725	49.0877999	595.869293	2167.71838	2540.33414	2098.06982	7401.99163	87.3565264	322.802009	391.399808	326.210617	1127.76896	2.40015309	8.9002414	10.8147702	9.11344246	31.2286072	EnzymeReg
3.70523061	14.0441209	17.0026378	14.2807146	49.0327038	585.269722	2170.78919	2542.73929	2115.97396	7414.77217	85.6135252	323.262401	390.739522	327.928792	1127.54424	2.36591986	8.9544417	10.8258357	9.17080009	31.3169968	EnzymeReg
4.0336482	14.0303948	17.1668096	14.0209138	49.2517664	627.413745	2158.57961	2533.17637	2044.78687	7363.9566	92.5437194	321.431876	393.364825	321.097305	1128.43773	2.50203162	8.7389438	10.7818393	8.94274544	30.9655588	EnzymeReg
2.35279593	14.0992801	17.7645244	15.2425896	49.835722	364.482685	2164.52047	2740.2701	2291.2442	7614.89775	54.3863616	325.284047	410.290532	349.860746	1148.35623	1.55195864	9.2365979	11.5927228	9.76571558	32.3759671	EnzymeReg
3.51372244	14.0521248	16.9069053	14.4322107	48.9049632	560.694533	2177.90889	2548.31566	2157.48486	7444.40395	81.572363	324.329824	389.208645	331.912396	1127.02323	2.28654982	9.0801036	10.851491	9.30378422	31.5219287	EnzymeReg
5.90809005	32.9812447	9.5492105	2.0737536	50.5122989	929.28357	5133.07215	1439.05125	303.570954	7804.97792	137.30726	763.213817	219.039672	47.151738	1166.71247	3.90742802	21.570877	6.1164190	1.29253214	32.8872566	EnzymeReg
6.09268572	32.9599115	9.4604829	2.1283115	50.6413916	965.665775	5135.00683	1430.40315	317.671502	7848.74726	141.94538	763.066937	217.24221	48.514502	1170.76904	4.04903089	21.567866	6.0868421	1.32068709	33.0244261	EnzymeReg
6.33525339	33.3563827	9.5209357	1.6572112	50.8697831	1014.62534	5252.00561	1518.77553	284.376497	8069.78298	147.41006	773.944152	221.416653	39.427818	1182.19869	4.18676582	21.885952	6.1992459	1.11628414	33.3882485	EnzymeReg
6.34442418	33.3887015	9.5304488	1.6172420	50.8808166	1016.52337	5261.10143	1526.18814	281.002118	8084.81506	147.59095	774.807305	221.84131	38.640230	1182.87988	4.18999988	21.911125	6.2096708	1.09870164	33.4094976	EnzymeReg
5.50233885	33.0281363	9.7442386	1.9538323	50.2285461	849.313526	5128.81963	1458.06023	272.577191	7708.77057	127.11236	763.536667	222.99059	44.15631	1157.79593	3.59617733	21.577496	6.1814306	1.23064604	32.5857505	EnzymeReg
6.29685516	33.2210631	9.4811046	1.8245629	50.8235858	1006.67825	5213.92128	1487.73877	298.505075	8006.84338	146.65270	770.330116	219.638606	42.725467	1179.34689	4.17322473	21.780554	6.1555967	1.18990233	33.2992781	EnzymeReg
1.83717491	16.8580071	24.7854551	7.1367091	50.6173463	288.106799	2599.72973	3837.88826	1081.75759	7807.48238	42.7878018	390.00145	572.64236	163.938897	1169.37051	1.24823707	11.2148136	16.2324496	4.57372212	33.2692224	EnzymeReg
1.92961145	16.8577179	24.6539851	7.1207501	50.5620646	307.529256	2612.96509	3816.01469	1075.72505	7812.23407	45.0993102	390.444665	569.623438	163.467119	1168.63453	1.31930308	11.2296251	16.1435663	4.55601763	33.2485122	EnzymeReg
1.83863739	16.8580026	24.7833751	7.1364561	50.6164717	288.41409	2599.93913	3837.54218	1081.66215	7807.55756	42.8243731	390.008462	572.594597	163.931433	1169.35886	1.24936143	11.215048	16.2310434	4.57344201	33.2688948	EnzymeReg
2.11695899	16.5270036	24.7205969	7.2668545	50.6314139	326.005581	2543.6184	3830.19155	1107.55553	7807.37105	49.0285348	382.154343	571.192711	167.076028	1169.45162	1.40715099	10.9572435	16.2071726	4.65899321	33.2305602	EnzymeReg
2.25095908	16.4274526	24.6300274	7.2973049	50.605744	347.888804	2533.9263	3816.05201	1112.04003	7809.90715	52.1524892	380.037668	569.124893	167.762934	1169.07798	1.49329957	10.8879092	16.1515178	4.67502474	33.2077513	EnzymeReg
1.67474456	16.855532	25.0194856	7.1663649	50.716127	253.788701	2575.60332	3876.85346	1092.7562	7799.00167	38.7191651	389.139588	578.016717	164.809165	1170.68464	1.12285145	11.1860539	16.3908392	4.60608752	33.305832	EnzymeReg
9.38737285	30.4759048	7.0379896	3.0778707	49.979138	1494.21866	4779.03514	1096.39349	449.317496	7818.96479	218.608089	706.22136	162.632291	69.8656539	1157.32739	6.21690854	19.942819	4.53377771	1.88612805	32.5796334	EnzymeReg
9.59198612	30.2862038	6.6937349	3.6932794	50.2652043	1505.21602	4732.73315	1016.53255	553.583086	7808.0648	222.323524	701.052492	153.729022	84.64438	1161.74942	6.28276615	19.780237	4.25626975	2.34485429	32.6641272	EnzymeReg
9.44718603	30.4204508	6.9373560	3.2577689	50.0627617	1497.43345	4765.5	1073.04829	479.796732	7815.77847	219.694196	704.710381	160.02966	74.185817	1158.62005	6.23616024	19.895292	4.45265574	2.02022431	32.6043329	EnzymeReg
9.63546491	30.9326729	6.1355094	2.8906271	49.594274	1524.9155	4820.73039	929.026734	422.266439	7696.93906	224.089899	716.037551	140.811155	65.79602	1146.73463	6.36211262	20.238169	3.93106331	1.80248854	32.3338341	EnzymeReg
9.49473284	30.3763692	6.8573601	3.4007739	50.1292361	1499.98895	4754.74062	1054.49068	504.025348	7813.2456	220.557567	703.50927	157.960772	77.620011	1159.64762	6.25146384	19.857512	4.38817009	2.12682037	32.6239671	EnzymeReg
9.5570565	30.7991245	6.4130984	2.9351108	49.704393	1515.48722	4809.09291	980.81191	428.399869	7733.7919	222.372774	713.188369	147.534061	66.736065	1149.83127	6.31725027	20.152579	4.11735749	1.81885015	32.4060358	EnzymeReg
2.41916666	18.9997559	20.1016538	7.1793011	48.6998775	390.438599	2969.39487	3132.0875	1098.01002	7589.93099	56.6604962	440.408269	465.56946	165.474135	1128.11236	1.64129417	12.567016	13.1863943	4.59846853	31.9931734	EnzymeReg
2.79684015	19.3871009	20.2931875	6.226158	48.7032866	439.297968	3007.06404	3127.10607	961.724148	7535.19223	64.8760917	448.523111	468.532921	143.781887	1125.71401	1.84169194	12.733680	13.2507833	4.04633299	31.8724882	EnzymeReg
2.71315369	18.7726524	20.3794941	6.6460592	48.5113595	422.220415	2874.32444	3135.49181	1010.08411	7442.12078	62.9562607	432.994728	470.382288	152.875128	1119.2084	1.81877552	12.332691	13.2996292	4.26154226	31.7126378	EnzymeReg
2.62870888	18.8378857	20.2996872	6.7992277	48.5655094	413.091402	2901.63249	3134.51396	1035.33996	7484.5778	61.1478644	435.124195	468.999851	156.494068	1121.76598	1.76779575	12.399987	13.2671036	4.358321	31.7932219	EnzymeReg

2.408716 8	19.12395 11	20.06349 58	7.152409 81	48.74857 34	390.6821	3000.099 74	3130.366 86	1097.145 86	7618.294 55	56.45854 48	443.6879 37	464.8478 85	164.9803 26	1129.974 69	1.630265 15	12.65531 91	13.16850 51	4.590044 82	32.04413 42	EnzymeReg
2.723556 98	19.33741 45	20.24981 85	6.401047 42	48.71183 74	430.1186 06	3005.749 08	3127.721 75	987.2936 79	7550.883 12	63.28674	447.6101 62	467.8371 34	147.7844 52	1126.518 49	1.801771 58	12.71888 44	13.23524 8	4.148993 46	31.90489 74	EnzymeReg
4.687535 61	18.16477 9	17.35429 3	8.606139 07	48.81274 66	716.1796 06	2775.606 23	2578.627 6	1272.600 34	7343.013 77	108.3093 59	419.1190 5	397.6506 34	196.9541 02	1122.033 15	3.096801 14	11.93501 65	11.25028 4	5.555592 5	31.83769 42	EnzymeReg
4.580571 35	17.16524 87	17.68671 65	8.841118 1	48.27365 47	726.2033 45	2610.391 65	2727.016 71	1398.803 99	7462.415 7	106.9367 16	396.0980 21	409.9875	206.1264 29	1119.148 67	3.111530 01	11.34477 24	11.76728 14	5.918153 42	32.14173 72	EnzymeReg
4.555403 48	17.55862 05	17.40381 22	8.692656 76	48.21049 29	720.2566 26	2680.927 95	2672.593 93	1361.869 43	7435.647 94	106.3464 63	405.5142 93	402.9775 65	202.1797 66	1117.018 09	3.094937 13	11.63006 23	11.56577 01	5.799485 65	32.09025 52	EnzymeReg
4.655012 08	18.01557 67	17.36648 18	8.627434 88	48.66450 55	717.1831 4	2752.301 74	2601.756 85	1294.573 39	7365.815 12	107.8262 04	415.7703 21	398.9618 26	198.2403 68	1120.798 72	3.096342 33	11.85995 39	11.32793 9	5.615625 33	31.89986 05	EnzymeReg
4.623479 02	17.87091 83	17.37829 95	8.648082 15	48.52077 89	718.1561 12	2729.706 97	2624.181 71	1315.877 27	7387.922 07	107.3577 63	412.5235 74	400.2330 87	199.4874 62	1119.601 89	3.095897 48	11.78717 72	11.40322 91	5.673829 92	31.96013 37	EnzymeReg
4.630194 26	17.90172 45	17.37578 28	8.643685 13	48.55138 67	717.9489 09	2734.518 72	2619.406 14	1311.340 43	7383.214 2	107.4575 21	413.2149 97	399.9623 61	199.2218 82	1119.856 76	3.095992 22	11.80267 56	11.38719 54	5.661434 75	31.94729 8	EnzymeReg
3.343219 63	25.52091 8	13.55841 67	6.971232 72	49.39378 7	510.6603 37	3894.122 94	2077.748 36	1024.220 27	7506.751 9	77.60516 41	590.0548 35	313.3149 61	159.6717 2	1140.646 68	2.266615 49	16.88696 68	8.907549 34	4.476968 96	32.53810 06	EnzymeReg
3.789169 03	29.20894 12	12.33196 63	3.801351 07	49.13142 76	593.5269 49	4441.933 39	1837.388 51	586.7713 17	7459.620 16	87.65760 68	672.6651 96	281.6847 84	87.50082 48	1129.508 41	2.493383 79	19.09184 01	7.811279 73	2.442832 08	31.83933 57	EnzymeReg
3.592665 36	26.56376 87	12.96946 78	6.032416 91	49.15831 88	573.0914 75	4049.310 4	1908.268 99	874.8217 01	7405.492 56	84.07368 85	614.8090 6	296.2231 24	137.3525 49	1132.458 42	2.473696 6	17.75880 89	8.246400 03	3.837479 77	32.31638 53	EnzymeReg
3.717612 26	27.77618 02	12.60879 5	4.997798 66	49.10038 61	593.4862 12	4229.349 2	1847.075 08	735.5260 32	7405.436 53	86.74173 78	641.7217 55	287.2554 46	113.9625 03	1129.681 44	2.523145 9	18.44003 79	7.947662 28	3.180061 27	32.09090 73	EnzymeReg
3.507518 3	26.20779 68	13.17050 26	6.352877 02	49.23869 47	551.7809 16	3996.337 93	1966.119 93	925.8181 61	7440.056 93	81.86568 98	606.3593 28	302.0573 38	144.9710 87	1135.253 44	2.403010 5	17.46120 99	8.472080 06	4.055766 23	32.39206 67	EnzymeReg
3.423735 47	25.85752 83	13.36831 63	6.668202 69	49.31778 28	530.8117 97	3944.214 19	2023.043 97	975.9975 51	7474.067 51	79.69306 79	598.0449 79	307.7980 75	152.4675 6	1138.003 68	2.333456 93	17.16837 91	8.694144 23	4.270555 28	32.46653 56	EnzymeReg
6.680609 63	20.42903 65	16.14314 92	5.612632 5	48.86542 79	1011.346 27	3117.907 44	2410.487 58	837.6009 05	7377.342 2	153.6864 13	470.5398 06	369.5934 78	128.4681 2	1122.287 82	4.339640 91	13.28918 52	10.36225 03	3.586048 59	31.57712 5	EnzymeReg
7.391878 27	19.58932 6	17.04758 15	4.581822 22	48.61060 8	1126.412 12	2999.523 23	2538.314 49	684.0474 04	7348.297 24	170.4793 41	451.7328 1	390.1994 56	105.0759 03	1117.487 51	4.841030 81	12.79164 11	10.91584 27	2.952698 86	31.50121 35	EnzymeReg
7.801560 36	18.96191 51	18.16655 2	3.734293 71	48.66432 11	1198.924 79	2914.887 08	2702.932 07	553.0965 67	7369.840 5	180.4017 76	437.7858 56	415.8251 15	85.62514 77	1119.637 89	5.147907 46	12.41209 96	11.61453 46	2.412508 72	31.58705 04	EnzymeReg
7.684770 38	19.24354 3	17.42001 62	4.157346 6	48.50567 61	1173.794 89	2950.774	2590.952 11	620.8158 68	7336.336 87	177.3944 73	443.9883 1	398.6847 56	95.44326 1	1115.510 8	5.047497 31	12.58675 82	11.14380 56	2.691892 84	31.46995 4	EnzymeReg
7.080507 61	19.95692 44	16.65165	5.033077 99	48.72216	1076.039 97	3051.348 05	2482.355 95	751.2682 16	7361.012 2	163.1279 34	459.9659 11	381.1788 17	115.3162 67	1119.588 93	4.621538 34	13.00945	10.67349 77	3.229959 11	31.53444 51	EnzymeReg
6.764811 66	20.32962 92	16.25021 85	5.490602 21	48.83526 16	1024.968 1	3103.892 78	2425.620 1	819.4227 99	7373.903 77	155.6744 08	468.3133 79	372.0328 73	125.6988 82	1121.719 54	4.398996 89	13.23028 45	10.42778 62	3.511070 82	31.56813 84	EnzymeReg
4.581610 97	17.11771 31	18.89393 1	6.843373 06	47.43662 82	708.0816 4	2626.735 35	2873.629 46	1045.021 87	7253.468 32	106.0699 83	396.0590 05	436.0337 56	158.1156 66	1096.278 41	3.011361 33	11.26476 35	12.31416 81	4.507634 38	31.09792 73	EnzymeReg
4.567712 67	17.12376 2	18.92079 71	6.827259 32	47.43953 11	706.0341 07	2627.686 6	2876.923 18	1042.344 53	7252.988 42	105.7569 06	396.2180 07	436.6212 01	157.7305 58	1096.326 67	3.003575 79	11.27160 04	12.32865 87	4.495401 24	31.09923 61	EnzymeReg
4.399392 02	17.19701 98	19.24616 82	6.632107 83	47.47468 78	681.2366 84	2639.207 14	2916.812 96	1009.919 61	7247.176 39	101.9652 65	398.1436 5	443.7356 78	153.0665 64	1096.911 16	2.909285 98	11.35440 04	12.50415 27	4.347247 09	31.11508 62	EnzymeReg
4.116987 38	17.31993	19.79206 87	6.304686 99	47.53367 31	639.6321 17	2658.536 04	2983.739 15	955.5178	7237.425 11	95.60373 49	401.3744 51	455.6721 9	145.2414 19	1097.891 79	2.751088 63	11.49332 05	12.79859 26	4.098677 36	31.14167 91	EnzymeReg
4.538652 04	17.26090 85	17.93686 36	8.059811 81	47.79623 59	717.4879 24	2639.643 5	2764.636 76	1270.495 8	7392.263 98	105.8934 08	398.9819 38	415.7753 25	187.8268 78	1108.477 55	3.067167 33	11.42810 38	11.89986 33	5.399789 65	31.79492 42	EnzymeReg
4.562721 8	17.19584 51	18.34638 11	7.532521 32	47.63746 94	714.1347 42	2633.625 56	2811.185 22	1172.642 94	7331.588 46	106.0887 33	397.6404 72	424.4365 93	174.9447 52	1103.110 55	3.045630 67	11.35391 11	12.07606 2	5.013222 85	31.48882 66	EnzymeReg
0.805267 97	8.975326 68	10.84257 88	25.65148 96	46.27466 31	129.6547 13	1365.218 34	1589.305 95	3813.199 08	6897.378 09	18.89083 09	207.4314 58	248.5101 15	589.5976 94	1064.430 1	0.544963 06	5.853362 08	6.989437 95	16.55933 06	29.94709 37	EnzymeReg
0.037033 02	10.23633 54	13.52842 69	22.72198 29	46.52377 82	5.962617 61	1556.623 2	2027.839 57	3283.532 68	6873.958 07	0.868759 79	235.7763 07	311.3449 13	517.1109 06	1065.100 89	0.025062	6.550583 04	8.770762 92	14.46133 99	29.80774 79	EnzymeReg
0.852160 12	9.022880 33	10.76314 38	25.48179 02	46.11997 45	137.2047 32	1376.217 74	1580.502 22	3793.428 29	6887.352 98	19.99087 68	208.6454 16	246.7986 96	585.7636 03	1061.198 59	0.576697 21	5.885614 96	6.937923 15	16.43328 51	29.83352 04	EnzymeReg
0.691352 96	9.437715 78	11.42773 88	24.44630 62	46.00311 37	111.3134 67	1443.766 12	1694.062 25	3619.429 75	6868.571 59	16.21849 17	218.1458 04	262.5247 88	560.5840 46	1057.473 13	0.467871 37	6.122202 15	7.380115 84	15.68624 53	29.65643 47	EnzymeReg
0.431083 15	8.595863 31	11.47644 52	27.00563 81	47.50902 98	69.40790 43	1277.446 61	1659.556 97	3970.963 82	6977.375 3	10.11280 62	197.7444 54	262.1667 06	620.1925 51	1090.216 52	0.291734 43	5.595994 08	7.400510 11	17.56513 47	30.85337 33	EnzymeReg

0.94235666	9.13135726	10.6218937	25.107774	45.8033816	151.72711	1400.47302	1566.02192	3748.28324	6866.50529	22.1068029	211.382566	243.796898	577.260778	1054.54705	0.63773749	5.95787094	6.84664967	16.1561313	29.5983894	EnzymeReg
5.90760895	27.3222118	11.5335505	4.10329761	48.8666688	922.784867	4174.29378	1715.95114	605.750121	7418.77991	136.325186	629.032511	263.154328	93.2780032	1121.79003	3.83339274	17.719875	7.32867049	2.5576946	31.4396329	EnzymeReg
6.98844657	26.3068843	12.6860569	3.28989707	49.2712848	1024.8829	3909.44811	1898.05172	468.57465	7300.95738	159.952137	602.860691	290.862661	74.6769643	1128.35245	4.55525293	16.9624264	8.14194384	2.0512368	31.7108601	EnzymeReg
6.06007341	27.2228003	11.7031787	3.976882	48.9629344	931.999945	4132.23827	1741.71339	583.244051	7389.19566	139.47552	625.986023	267.198691	90.3317156	1122.99168	3.926327	17.6298541	7.45180875	2.4752044	31.4831993	EnzymeReg
6.66419373	26.8288955	12.3753079	3.47597679	49.3443739	968.513478	3965.59884	1843.79294	494.066719	7271.97198	151.956971	613.914715	283.223947	78.6574394	1127.75307	4.29456675	17.2731578	7.93972785	2.1483728	31.6558253	EnzymeReg
6.86765186	26.6962346	12.6016704	3.30727987	49.4728367	980.810656	3909.47733	1878.17171	464.03321	7232.4929	156.160616	609.84929	288.620999	74.7257287	1129.35663	4.41858405	17.1530282	8.10405126	2.0382995	31.713963	EnzymeReg
7.04374711	26.0817514	12.7171406	3.29443453	49.1370737	1050.61038	3914.46023	1907.07276	474.031076	7346.17443	161.883527	598.970645	291.743593	74.9996587	1127.59742	4.62733702	16.8571615	8.15028398	2.0689780	31.7037605	EnzymeReg
3.03833503	17.3634605	23.1715156	5.00082144	48.5741325	454.800526	2582.6062	3453.203	717.950915	7208.56065	69.7539899	397.813796	531.134561	113.770356	1112.4727	1.99510886	11.2519103	15.0119631	3.1803753	31.4393575	EnzymeReg
2.88670087	17.7930943	22.8518561	4.80705887	48.3387102	434.043014	2671.17694	3429.46404	700.832237	7235.51623	66.3611239	408.265118	524.17389	109.475989	1108.27612	1.90753515	11.5927572	14.7971367	3.0629635	31.3603924	EnzymeReg
2.87788546	17.8180715	22.8332723	4.79579428	48.3250236	432.836253	2676.3261	3428.08395	699.837024	7237.08333	66.1638759	408.872717	523.769224	109.226331	1108.03215	1.90244396	11.6125727	14.7846476	3.0561347	31.3558017	EnzymeReg
3.12134755	16.5074351	23.8352349	5.00174239	48.46576	474.657515	2458.40446	3488.17338	717.171416	7138.40676	72.0401223	378.715589	544.487947	113.676773	1108.92043	2.06556382	10.7391803	15.3964151	3.1608039	31.3619632	EnzymeReg
2.95390586	17.6026785	22.9935307	4.89293536	48.4430505	443.242843	2631.92196	3439.98526	708.419317	7223.56939	67.8648584	403.633042	527.258893	111.379273	1110.13607	1.94634824	11.4416922	14.8923488	3.1150008	31.3953901	EnzymeReg
3.05639628	17.3122865	23.2095905	5.02390059	48.6021738	457.272968	2572.05648	3456.03056	719.989933	7205.34995	70.1581166	396.568932	531.963651	114.281861	1112.97256	2.00553983	11.2113117	15.0375512	3.1943604	31.4487631	EnzymeReg
2.60221481	12.8540866	25.2892517	6.84192944	47.5874826	389.630536	1951.93342	3855.25496	1023.91193	7220.73085	59.8043104	295.925131	582.570854	157.039144	1095.33944	1.69484449	8.39431001	16.4426649	4.3964153	30.9282346	EnzymeReg
1.78319456	14.9792697	24.9552192	6.13981873	47.8575022	267.837271	2236.34318	3778.54026	923.82344	7206.54415	40.9294235	343.692062	574.048619	140.935009	1099.60511	1.15103523	9.68338101	16.2029508	3.9529703	30.9903371	EnzymeReg
2.96807356	12.970116	24.9293495	6.58456568	47.4521048	440.391226	1935.75968	3770.74421	986.843433	7133.73855	68.1265189	297.374242	573.449264	151.255765	1090.20579	1.93367933	8.40583075	16.1619275	4.2569545	30.7583921	EnzymeReg
2.29245675	14.1455648	24.9298445	6.31498277	47.6828487	341.899077	2110.25668	3771.86353	948.619595	7172.63888	52.6157029	324.422675	573.429001	145.007503	1095.47488	1.48730203	9.15073532	16.1744595	4.0741715	30.8866679	EnzymeReg
2.94451283	12.9626439	24.9525266	6.60113955	47.4608229	437.122317	1936.80124	3776.18657	989.230587	7139.34072	67.5905819	297.280922	574.03668	151.628206	1090.53639	1.91829874	8.40508884	16.1800065	4.2659356	30.7693297	EnzymeReg
1.97936312	14.6581253	24.9454448	6.20729215	47.7902254	296.36599	2187.77447	3775.96838	933.374956	7193.48379	45.4309958	336.269465	573.809941	142.50374	1098.01414	1.28056577	9.47820514	16.1919759	3.9996568	30.9504036	EnzymeReg
10.8974143	26.5885984	4.397676	4.60176232	46.485451	1598.11019	3938.66973	640.30717	662.004567	6839.09166	248.956181	608.977956	100.206576	104.879758	1063.02047	6.95261058	17.11407	2.7821041	2.9336359	29.7824213	EnzymeReg
9.12269642	26.2871726	5.13876805	4.81134322	45.3599803	1357.10918	3875.76321	732.93131	674.991085	6640.79478	209.105432	601.464378	116.525894	108.80828	1035.90398	5.88145079	16.8346957	3.2000351	2.9665384	28.8827201	EnzymeReg
10.6345476	27.4484085	4.01788844	4.59723295	46.6980775	1570.66277	4088.95805	595.844669	670.127467	6925.59296	243.22489	629.107735	91.8508474	105.000834	1069.18431	6.80858567	17.6845916	2.5507723	2.9498558	29.9938055	EnzymeReg
11.4092574	24.9144115	5.13718273	4.61058172	46.0714333	1651.55469	3646.03448	726.882723	646.187992	6670.65988	260.115914	569.782079	116.476507	104.644005	1051.0185	7.23304995	16.0031738	3.2325481	2.9020522	29.3708228	EnzymeReg
9.01788371	26.103251	5.27245188	4.83025425	45.2238408	1341.36086	3842.73353	749.087708	674.619427	6607.80153	206.720432	597.119036	119.468331	109.124929	1032.43273	5.81550184	16.7058094	3.2785754	2.9663972	28.7662844	EnzymeReg
9.59717377	27.1197684	4.53359385	4.72573477	45.9762708	1428.40032	4025.28548	659.792808	676.673545	6790.15216	219.902103	621.135336	103.205755	107.374838	1051.61803	6.17999549	17.418152	2.8444904	2.9671755	29.4098134	EnzymeReg
4.07622211	15.9461612	13.0860921	11.4379221	44.8725398	594.188577	2336.89351	1934.84591	1698.29444	6607.39512	93.7918596	365.603577	300.580319	262.797621	1030.09262	2.56352419	9.95301666	8.21663008	7.1902829	28.1137041	EnzymeReg
4.8479409	15.8246049	13.2535537	10.3258583	44.8428676	699.215403	2286.5924	1931.5016	1523.19435	6518.72471	111.290557	361.845665	303.631099	236.910762	1026.9392	3.06177223	9.88495428	8.35556505	6.5216916	28.1686864	EnzymeReg
4.78236781	14.7175492	12.3963353	13.2348733	45.1311256	701.142012	2167.03144	1809.99181	1958.83635	6637.00161	109.890113	337.589831	284.479954	303.825775	1035.78567	3.01969274	9.22223369	7.83448638	8.3342176	28.4106301	EnzymeReg
3.53344045	16.0316567	12.9683095	12.220082	44.8934096	520.318877	2372.27236	1937.1981	1821.44956	6669.76069	81.4843037	368.246672	298.434579	281.004917	1032.31055	2.21308578	10.000887	8.11891137	7.6605262	28.0750328	EnzymeReg
3.52902026	15.7602788	12.7620892	12.911766	44.9631541	522.359386	2342.40762	1907.56139	1924.90511	6697.2335	81.4051195	362.284344	293.817073	296.910876	1034.41741	2.21029439	9.83850252	7.9941115	8.0918586	28.1347668	EnzymeReg
3.58209401	15.7161237	12.7466011	12.9254481	44.970267	529.930043	2334.98121	1903.42975	1926.34194	6694.68294	82.6113335	361.23864	293.421687	297.203691	1034.47535	2.24456883	9.81240595	7.9873521	8.1021214	28.1464484	EnzymeReg

1.565480 91	9.672203 71	20.01988 04	14.73478 33	45.99234 84	230.8557 86	1459.806 64	3010.672 34	2182.551 76	6883.886 52	35.82833 26	222.7656 32	460.2679 01	337.0657 57	1055.927 62	1.011706 46	6.321100 95	12.97448 2	9.382180 28	29.68946 97	EnzymeReg
2.625196 61	9.679844 28	19.83535 79	14.09907 08	46.23946 96	394.6885 36	1461.628 8	2942.397 82	2090.780 76	6889.495 92	60.21000 26	222.6392 03	455.8596 11	323.5228 87	1062.231 7	1.675462 45	6.175471 46	12.64553 59	8.913172 83	29.40964 26	EnzymeReg
2.809167 73	9.681170 72	19.80332 41	13.98870 84	46.28237 09	423.1305 94	1461.945 14	2930.545 08	2074.848 92	6890.469 73	64.44276 37	222.6172 54	455.0943 14	321.1717 87	1063.326 12	1.790693 3	6.150189 56	12.58842 94	8.831751 15	29.36106 34	EnzymeReg
1.827243 75	9.815832 58	21.31996 23	12.84491 43	45.98392 38	272.5460 97	1481.257 95	3189.784 7	1889.306 58	6857.491 38	41.91926 96	226.1392 67	489.7143 55	293.4916 59	1055.228 26	1.181814 13	6.423958 18	13.78336 22	8.170160 86	29.66720 53	EnzymeReg
2.143876 45	9.676373 95	19.91916 76	14.38780 98	46.12722 78	320.2761 2	1460.801 18	2973.407 93	2132.462 91	6886.948 14	49.13591 04	222.6966 27	457.8618 45	329.6740 24	1059.368 41	1.373986 18	6.241616	12.79494 24	9.126194 81	29.53673 94	EnzymeReg
2.311252 96	9.771585 64	20.78248 37	13.13815 95	46.12018 81	346.9628 23	1475.017 27	3092.598 91	1938.518 13	6869.409 57	53.03220 68	224.9348 1	477.4170 36	300.8546 92	1058.867 53	1.482902 87	6.310688 18	13.33333 58	8.325123 72	29.52361 79	EnzymeReg
8.843530 95	21.97423 14	13.87907 86	3.991615 73	48.68845 67	1338.738 4	3359.407 99	2094.518 21	580.5072 35	7373.171 83	203.7353 42	506.6792 41	319.1925 81	91.11922 82	1120.726 39	5.792967 36	14.33016 1	8.977631 75	2.504924 75	31.60568 49	EnzymeReg
8.877707 19	21.29957 65	13.69726 99	4.430808 3	48.30536 18	1344.834 66	3283.598 62	2092.592 11	637.0840 22	7358.109 4	204.5297 73	492.0616 58	315.5280 41	100.9055 93	1113.025 06	5.776614 28	13.88817 43	8.898418 41	2.787754 54	31.35096 16	EnzymeReg
8.819160 2	22.72587 85	14.03356 83	3.558478 13	49.13708 51	1333.068 97	3443.415 97	2090.302 43	528.2616 92	7395.049 07	203.0968 74	522.8876 63	322.1586 08	81.58364 19	1129.726 79	5.813486 88	14.81086 19	9.033089 55	2.233429 2	31.89086 76	EnzymeReg
8.838880 32	22.06603 7	13.90381 87	3.931851 39	48.74058 74	1337.908 83	3369.723 96	2094.780 31	572.8083 92	7375.221 49	203.6272 37	508.6683 69	319.6912 44	89.78752 15	1121.774 37	5.795192 65	14.39030 56	8.988410 92	2.466437 9	31.64034 71	EnzymeReg
8.905199 62	20.75686 33	13.55101 73	4.784108 3	47.99718 86	1349.738 69	3222.615 23	2091.042 69	682.5961 28	7345.992 73	205.1688 38	480.3028 24	312.5801 72	108.7780 46	1106.829 88	5.763459 37	13.53262 66	8.834696 77	3.015271 53	31.14605 43	EnzymeReg
8.877442 03	22.74828 71	13.83122 66	3.787424 07	49.24437 98	1337.732 98	3443.970 98	2062.787 23	573.1498 54	7417.641 04	204.1396 54	523.0379 46	317.4391 51	87.18742 81	1131.804 18	5.824002 01	14.77470 95	8.893546 01	2.413097 29	31.90535 48	EnzymeReg
0	6.326487 46	19.87179 48	18.02513 34	44.22341 57	0	902.6579 62	2810.241 72	2537.588 35	6250.488 03	0	144.6059 94	452.0724 45	410.6057 69	1007.284 21	0	4.010841 2	12.46868 32	11.38408 35	27.86360 79	EnzymeReg
0.183705 68	5.784078 53	19.54335 21	19.21850 71	44.72964 34	26.64237 26	824.7151 5	2718.648 62	2686.280 72	6256.286 86	4.214442 67	132.0261 24	443.2187 94	437.8534 45	1017.312 81	0.120166 87	3.702613 44	12.28019 29	12.19979 44	28.30276 77	EnzymeReg
0	6.877721 68	19.81039 88	17.34534 12	44.03346 17	0	984.7985 06	2828.669 84	2459.287 54	6272.755 88	0	157.3996 72	451.5306 47	395.3040 69	1004.234 39	0	4.353779 26	12.43636 66	10.93332 22	27.72346 8	EnzymeReg
0.843119 8	8.774028 56	17.81453 07	17.41382 01	44.84549 92	122.2755 41	1280.601 08	2554.918 8	2518.740 53	6476.535 95	19.34224 35	201.4525 62	406.5860 72	398.6150 96	1025.995 97	0.551507 52	5.667629 07	11.31417 28	11.09071 53	28.62402 46	EnzymeReg
0	5.652124 07	19.94690 49	18.85677 07	44.45579 97	0	802.1696 87	2787.697 32	2633.379 21	6223.246 21	0	128.9545 92	452.7352 64	429.3254 08	1011.015 26	0	3.591301 08	12.50821 83	11.93553 15	28.03505 08	EnzymeReg
0	6.178604 16	19.88826 6	18.20750 58	44.27437 59	0	880.6215 67	2805.297 89	2558.594 63	6244.514 09	0	141.1737 48	452.2177 97	414.7108 58	1008.102 4	0	3.918838 91	12.47735 29	11.50501 23	27.90120 42	EnzymeReg
2.471635 53	26.33603 29	17.56174 96	1.636460 24	48.00587 83	406.1665 49	4111.411 19	2664.021 46	235.1740 05	7416.773 2	57.91660 19	608.8058 96	403.3680 3	37.11894 86	1107.209 48	1.673170 64	17.21221 18	11.27422 19	1.035260 64	31.19486 5	EnzymeReg
2.653765 44	27.14808 78	17.54168 34	1.087668 3	48.43120 49	433.4313 6	4219.957 53	2645.188 64	157.0189 62	7455.596 49	62.05889 74	626.3937 01	401.9684 54	24.62723 86	1115.048 29	1.791387 93	17.65720 88	11.18038 7	0.667754 82	31.29673 86	EnzymeReg
2.573481 16	27.31610 77	17.55390 24	0.973509 44	48.41700 07	422.4992 38	4253.790 43	2651.050 43	140.8262 22	7468.166 31	60.2396	630.4209 79	402.2870 99	22.03537 12	1114.983 05	1.741079 93	17.77206 28	11.18648 84	0.597679 49	31.29731 07	EnzymeReg
3.209236 98	25.98558 99	17.45714 22	1.877511 57	48.52948 06	509.0686 17	3985.874 17	2604.632 07	269.0534 25	7368.628 28	74.64626 76	598.5297 38	399.7638 1	42.55987 24	1115.499 69	2.139459 35	16.86255 62	11.13817 24	1.152592 59	31.29278 06	EnzymeReg
2.409526 43	25.26523 82	17.56350 05	2.361030 73	47.59929 59	395.2290 76	3951.112 61	2674.126 28	338.2641 45	7358.732 11	56.49396 53	585.0282 32	404.2955 35	53.60174 42	1099.419 48	1.630135 26	16.59104 46	11.35944 23	1.510860 52	31.09148 26	EnzymeReg
2.401244 23	25.12244 87	17.56373 4	2.457651 6	47.54507 85	393.7705 73	3929.736 93	2675.473 75	352.0111 29	7350.992 37	56.30425 79	581.8575	404.4192 17	55.79971 12	1098.380 69	1.624396 52	16.50821 24	11.37080 63	1.574281 37	31.07769 67	EnzymeReg
0.292552 9	23.38899 23	19.62115 66	5.373685 1	48.67638 69	47.42787 57	3516.762 44	2885.040 48	802.7688 78	7251.999 68	6.902092 7	538.4476 62	448.4414 21	123.5424 55	1117.333 63	0.203180 35	15.31426 55	12.55865 27	3.510648 57	31.58674 71	EnzymeReg
0.622433 65	21.82243 21	21.00299 85	5.420301 9	48.86816 62	92.42853 66	3302.495 86	3127.122 01	793.8588 35	7315.905 24	14.32869 7	502.8262 02	481.3546 65	123.9134 09	1122.422 97	0.411391 53	14.33565 26	13.56487 84	3.493426	31.80534 85	EnzymeReg
0.471105 95	21.92774 81	20.90205 8	5.526928 22	48.82784 03	69.95706 87	3322.850 39	3107.956 08	809.0792 62	7309.842 8	10.84506 67	505.3913 9	478.8453 66	126.3086 68	1121.390 49	0.311372 94	14.40427 56	13.49543 84	3.566186 53	31.77727 35	EnzymeReg
0.797849 86	21.70035 19	21.12000 68	5.296702 69	48.91491 12	118.4770 37	3278.901 28	3149.338 78	776.2156 06	7322.932 71	18.36685 53	499.8526 85	484.2633 97	121.1368 71	1123.619 81	0.527331 18	14.25610 61	13.64537 18	3.409083 38	31.83789 24	EnzymeReg
0.511071 22	24.23555 46	18.89912 45	5.011281 45	48.65703 18	82.85346 88	3614.271 48	2763.103 76	762.6629 91	7222.891 7	12.05751 5	557.1736 92	431.5665 53	115.9065 17	1116.704 28	0.354943 1	15.83439 89	12.02040 4	3.299973 4	31.50971 94	EnzymeReg
0.431080 12	21.95560 39	20.87535 95	5.555130 64	48.81717 42	64.01341 64	3328.234 11	3102.886 74	813.1050 3	7308.239 3	9.923654 35	506.0698 76	478.1816 62	126.9422 09	1121.117 4	0.284918 25	14.42242 63	13.47707 17	3.585431 53	31.76984 78	EnzymeReg
1.522018 83	10.89190 92	24.39330 93	9.579174 67	46.57340 65	230.6164 82	1647.335 07	3715.852 73	1464.642 18	7087.167 44	35.03042 76	250.4155 95	561.1247 02	220.1070 95	1070.980 04	0.994520 63	7.067863 03	15.74606 48	6.094368 21	30.01984 23	EnzymeReg

1.338732 78	10.55114 34	24.23315 36	10.06759 7	46.44065 38	204.3788 35	1578.742 28	3638.511 63	1530.077 68	6990.112 74	30.90553 2	242.1538 52	556.0385 03	231.0281 37	1065.878 44	0.882418 83	6.830488 27	15.58170 59	6.387064 15	29.83815	EnzymeReg
1.360250 81	10.36086 41	24.39079 38	10.04910 07	46.37975 95	206.0327 82	1543.715 3	3642.520 11	1525.277 96	6951.144 58	31.40280 16	237.8658 01	559.4172 72	230.6740 98	1064.392 8	0.894579 52	6.701560 49	15.66225 71	6.378988 38	29.77428 46	EnzymeReg
1.453605 42	10.82082 39	24.29970 18	9.752018 71	46.54248 94	221.1705 49	1632.228 51	3688.220 03	1488.364 33	7063.211 59	33.48760 01	248.6129 23	558.5484 79	223.9573 53	1069.583 72	0.952921 18	7.017463 75	15.66979 13	6.197215 13	29.97278 19	EnzymeReg
1.408305 85	9.935923 59	24.74284 31	10.00779 39	46.24376 77	209.7264 53	1465.491 45	3651.472 02	1514.559 03	6864.119 1	32.51332 67	228.2895 29	566.9628 96	229.8834 42	1061.074 99	0.921737 33	6.413633 08	15.84214 78	6.360953 21	29.63165 74	EnzymeReg
1.899231 49	11.28385 36	24.90943 57	8.626160 23	46.74387 46	282.6987 53	1730.628 49	3868.211 82	1333.844 76	7219.253 39	43.53715 35	260.3550 3	575.3292 89	198.8778 32	1078.678 94	1.223888 51	7.345750 75	16.16661 59	5.527298 64	30.27932 06	EnzymeReg
2.481990 83	14.05557 86	27.04975 35	6.123912 88	49.71123 59	382.7368 97	2216.447 56	4224.652 28	937.2095 1	7761.046 25	57.39874 05	326.6809 91	625.5105 26	140.7794 22	1150.369 68	1.640409 14	9.345169 65	17.66381 4	3.917754 54	32.56714 74	EnzymeReg
2.435370 87	14.21442 29	27.03167 01	6.070800 63	49.75226 45	375.4725 71	2238.359 72	4221.058 47	928.9542 99	7763.845 05	56.31720 35	330.2752 02	625.1579 06	139.5733 48	1151.323 66	1.609639 65	9.449101 45	17.66819 97	3.886302 57	32.61324 33	EnzymeReg
2.438187 76	14.20482 52	27.03276 27	6.074009 8	49.74978 55	375.9114 99	2237.035 73	4221.275 61	929.4530 99	7763.675 94	56.38255 26	330.0580 31	625.1792 12	139.6462 22	1151.266 02	1.611498 82	9.442821 64	17.66793 47	3.888202 98	32.61045 81	EnzymeReg
2.381732 62	13.11983 62	27.29627 69	6.234472 94	49.03231 87	386.0362 43	2088.579 24	4205.002 26	944.7080 26	7624.325 77	55.67034 84	305.4241 24	629.5974 16	142.9918 66	1133.683 75	1.612322 09	8.767351 21	17.68974 41	3.985156 99	32.05457 44	EnzymeReg
2.519175 94	13.45445 29	27.17018 46	6.249763 71	49.39357 71	395.5588 94	2133.975 08	4223.090 98	953.1729 74	7705.797 92	58.48331 99	313.0481 21	627.5913 83	143.5265 04	1142.649 33	1.679096 65	8.964643 96	17.66644 38	3.992998 02	32.30318 25	EnzymeReg
2.473900 46	14.08314 43	27.04661 54	6.114695 85	49.71835 59	381.4762 55	2220.250 17	4224.028 61	935.7769 11	7761.531 95	57.21105 19	327.3047 26	625.4493 33	140.5701 21	1150.535 23	1.635069 44	9.363205 85	17.66457 51	3.912296 41	32.57514 68	EnzymeReg
1.559041 64	9.705292 53	20.33557 99	14.33355 62	45.97460 74	230.1458 48	1464.705 07	3056.901 2	2119.856 08	6877.358 07	35.69616 11	223.5623 63	467.4330 07	327.7436 61	1055.361 8	1.009111 31	6.354440 35	13.18456 95	9.128776 27	29.70212 38	EnzymeReg
1.574603 98	9.718806 13	20.46009 99	14.16038 37	45.97166 86	232.6672 96	1466.717 45	3074.427 82	2092.925 88	6874.813 83	36.06067 91	223.8824 3	470.2553 3	323.7412 17	1055.241 02	1.019440 47	6.365427 79	13.26389 93	9.018248 02	29.70244 46	EnzymeReg
1.632061 73	9.768699 73	20.91984 02	13.52101 33	45.96081 8	241.9767 4	1474.147 38	3139.137 89	1993.496 82	6865.420 24	37.40651 7	225.0641 5	480.6756 35	308.9637 86	1054.795 11	1.057576 76	6.405994 55	13.55679 3	8.610166 41	29.70362 9	EnzymeReg
1.690000 5	9.924461 71	21.46271 02	12.81561 11	46.06763 88	251.0461 89	1494.028	3208.899 72	1881.341 61	6859.755 64	38.74761 66	228.5075 79	492.7791 27	292.6631 77	1056.636 08	1.095680 98	6.503181 34	13.88484 8	8.158788 37	29.74972 45	EnzymeReg
1.632081 04	10.49990 84	21.46972 49	13.10005 11	46.77737 41	239.7753 38	1560.051 28	3170.431 96	1910.992 43	6891.819 08	37.29598 84	240.6785 77	491.7454 11	299.2549 72	1070.678 02	1.055153 43	6.796254 92	13.78369 7	8.333502 14	30.01497 26	EnzymeReg
1.622012 17	10.59994 54	21.47094 44	13.14949 89	46.90075 62	237.8159 85	1571.528 93	3163.744 63	1916.147	6897.393 07	37.04363 37	242.7944 14	491.5657 07	300.4009 06	1073.119 1	1.048108 02	6.847203 57	13.76611 26	8.363874 82	30.06108 4	EnzymeReg
4.913103 21	15.27831 07	24.98540 18	5.173431 98	50.35024 77	722.3845 61	2301.429 51	3782.951 77	764.0648 58	7570.830 7	112.9889 94	352.8140 53	576.4569 8	118.5357 89	1160.795 82	3.255483 72	10.12077 02	16.36773 69	3.308914 47	33.05290 53	EnzymeReg
5.008806 66	14.75351 83	24.93705 41	4.895317 77	49.59469 68	715.6892 92	2117.779 85	3625.180 35	731.0938 63	7189.743 36	114.2405 41	336.8321 13	571.2176 52	112.8047 92	1135.095 1	3.226728 6	9.437521 63	16.07930 74	3.164438 44	31.90799 61	EnzymeReg
5.071400 96	15.05281 99	25.55535 62	4.906019 03	50.58559 61	736.4980 08	2215.679 66	3824.265 74	734.2306 87	7510.674 1	116.1162 22	345.7770 12	589.7078 14	113.1124 73	1164.713 52	3.304312 06	9.803036 06	16.82801	3.177048 42	33.11240 65	EnzymeReg
4.736714 77	15.50752 92	24.32801 61	5.464798 52	50.03705 87	705.7941 39	2389.500 18	3726.546 91	796.4611 9	7618.302 42	109.4681 15	359.9898 73	560.9399 56	124.4397 57	1154.837 7	3.197768 51	10.44694 72	15.82270 72	3.452176 38	32.91959 93	EnzymeReg
4.893045 04	15.30437 65	24.91064 66	5.206564 99	50.31463 31	720.4979 66	2311.444 55	3776.537 64	767.7488 36	7576.228 99	112.5886 14	353.6300 57	574.6924 48	119.2071 64	1160.118 28	3.248920 58	10.15786 17	16.30575 83	3.325205 63	33.03774 63	EnzymeReg
5.017332 01	14.79428 32	25.02126 69	4.896775 28	49.72965 74	718.5234 44	2131.113 83	3652.295 82	731.5210 99	7233.454 19	114.4960 09	338.0504 1	573.7360 15	112.8466 98	1139.129 13	3.237295 49	9.487304 77	16.18128 08	3.166155 92	32.07203 7	EnzymeReg
0.555504 59	23.80760 14	19.58359 07	6.242741 34	50.46226	87.49398 44	3677.398 09	3008.972 52	923.8638 05	7735.753 81	12.92856 01	549.8132 11	451.1988 86	142.9163 8	1163.017 25	0.379951 89	15.56313 51	12.62113 01	3.962494 34	32.69434 45	EnzymeReg
0	23.20169 97	20.16382 91	6.376016 37	49.74154 51	0	3515.837 13	3015.757 57	935.8027 09	7467.397 42	0	534.0450 42	462.6311 26	146.0253 58	1142.701 53	0	15.10951 29	13.05901 34	4.132769 3	32.30129 56	EnzymeReg
0	22.59250 71	20.43683 68	6.043023 34	49.07236 73	0	3432.373 84	3036.705 23	884.7151 22	7353.794 19	0	520.7368 7	468.0415 02	138.1311 26	1126.909 5	0	14.79296 59	13.20083 27	3.913796 84	31.90759 54	EnzymeReg
0	22.98748 78	20.25982 75	6.258925 19	49.50624 04	0	3486.488 73	3023.123 45	917.8386 53	7427.450 83	0	529.3654 56	464.5335 9	143.2494 89	1137.148 54	0	14.99820 47	13.10888 17	4.055771 46	32.16285 78	EnzymeReg
0.780098	23.75908 73	19.48052 09	6.028435 52	50.43126 71	122.8682 6	3702.508 93	3016.320 99	894.4249 94	7789.522 45	18.15564 45	549.7770 47	449.1832 63	137.8562 95	1163.623 07	0.533568 42	15.59403 78	12.51241 42	3.788159 57	32.66358 81	EnzymeReg
0	23.22434 99	20.15367 84	6.388397 33	49.76642 57	0	3518.940 37	3014.978 72	937.7021 89	7471.621 28	0	534.5398 51	462.4299 64	146.3188 72	1143.288 69	0	15.12128 24	13.05374 04	4.140910 88	32.31593 37	EnzymeReg
4.077825 07	18.57737 87	16.67601 95	8.956145 19	48.28736 85	627.2531 87	2868.317 32	2491.615 04	1316.342 9	7303.528 45	94.34242 06	429.1106 02	381.6558 38	204.4104 46	1109.519 31	2.696144 16	12.20563 41	10.69953 69	5.691051 22	31.29236 65	EnzymeReg
3.697310 78	18.68163 84	16.29600 82	9.176930 52	47.85188 79	576.8989 28	2900.892 8	2462.167 05	1361.220 37	7301.179 14	85.86018 19	431.8719 81	373.6108 48	209.8591 34	1101.202 14	2.464816 15	12.29442 02	10.45161 94	5.822853 72	31.03370 95	EnzymeReg

4.554967 41	18.44664 32	17.15253 11	8.679293 5	48.83343 53	690.3944 38	2827.469 6	2528.541 08	1260.069 23	7306.474 34	104.9786 44	425.6479 97	391.7437 78	197.5781 14	1119.948 53	2.986215 76	12.09430 17	11.01041 08	5.525778 7	31.61670 69	EnzymeReg
4.530915 76	18.45323 33	17.12851 13	8.693248 96	48.80590 93	687.2116 33	2829.528 64	2526.679 72	1262.905 85	7306.325 85	104.4424 97	425.8225 39	391.2352 68	197.9225 16	1119.422 82	2.971593 91	12.09991 37	10.99474 04	5.534109 71	31.60035 77	EnzymeReg
3.393519 79	18.44679 1	16.52336 25	8.626252 5	46.98992 58	494.6881 22	2713.601 21	2441.533 8	1266.597 46	6916.420 59	77.48963 59	421.9000 7	378.0567 91	196.7207 05	1074.167 2	2.177307 69	11.83797 42	10.58823 23	5.439575 59	30.04308 98	EnzymeReg
3.396648 44	18.38451 63	16.62896 57	8.484074 74	46.89420 51	486.9907 38	2672.148 56	2442.331 46	1241.040 21	6842.510 95	77.25071 55	419.5262 64	380.2215 44	193.2991 38	1070.297 66	2.159356 09	11.73542 47	10.65486 59	5.344168 86	29.89381 55	EnzymeReg
0.018584 14	11.42696 21	27.82645 02	10.06658 44	49.33858 08	2.651045 63	1702.707 39	4160.646 96	1488.214 36	7354.219 76	0.421849 8	262.9387 98	638.8202 68	229.7921 4	1131.973 06	0.011759 69	7.495112 85	17.92303 06	6.284045 78	31.71394 89	EnzymeReg
0.325620 66	10.64149 94	27.62306 15	10.36771 55	48.95789 71	46.45010 74	1567.224 26	4092.270 51	1547.222 58	7253.167 45	7.391411 22	243.6887 71	632.4645 74	237.2055 98	1120.750 35	0.206046 58	6.916108 78	17.76351 6	6.536704 62	31.42237 6	EnzymeReg
0.424334 49	10.38896 91	27.55767 1	10.46453 07	48.83550 54	60.53173 23	1523.665 73	4070.287 13	1566.194 03	7220.678 61	9.632161 26	237.4997 88	630.4211 86	239.5890 63	1117.142 2	0.268510 82	6.729955 98	17.71223 13	6.617935 75	31.32863 38	EnzymeReg
0.583576 21	10.06102 72	27.47715 91	10.58697 36	48.70873 62	84.14169 7	1474.189 12	4059.608 32	1591.443 14	7209.382 27	13.28010 44	229.8000 62	628.4680 6	242.6527	1114.200 93	0.372550 45	6.508239 3	17.66823 22	6.722055 55	31.27107 75	EnzymeReg
0.602193 48	10.03413 54	27.47134 58	10.59642 62	48.70410 09	87.03083 58	1471.401 28	4061.931 99	1593.623 24	7213.987 35	13.71138 41	229.2290 86	628.4333 13	242.8982 68	1114.272 05	0.385185 89	6.493643 61	17.66867 07	6.730348 46	31.27784 86	EnzymeReg
0.381447 55	10.49868 27	27.58608 04	10.42246 87	48.88867 93	54.41386 88	1542.590 05	4079.837 97	1557.951 74	7234.793 62	8.658651 24	240.1886 36	631.3089 51	238.5535 5	1118.709 79	0.241372 78	6.810831 41	17.73451 23	6.582644 3	31.36936 08	EnzymeReg
1.465646 86	23.23659 49	20.21905 24	5.164430 78	50.21109 54	227.0768 97	3506.235 85	3033.891 52	755.9853 75	7540.663 54	33.95598 89	534.4996 9	464.3505 05	117.6858 5	1153.322 85	0.984874 46	15.19762 86	13.07365 35	3.256094 98	32.58928 44	EnzymeReg
0.241138 86	23.87550 7	19.72785 85	6.542707 42	50.50564 1	37.98024 39	3642.250 19	2998.686 8	965.0696 14	7660.493 28	5.612155 71	549.8638 3	454.0201 75	149.9990 33	1162.169 28	0.164933 23	15.51988 02	12.77330 08	4.206512 53	32.73739 46	EnzymeReg
0.000719 32	23.92743 97	19.83819 12	6.772114 44	50.53881 79	0.113295 4	3615.369 9	2990.820 51	996.5828 51	7602.935 8	0.016741 11	549.9025 42	456.1778 3	155.4156 81	1161.520 77	0.000492	15.48679 99	12.88967 75	4.393131 93	32.77031 83	EnzymeReg
0.144667 41	23.89634 57	19.77213 09	6.634759 95	50.51895 37	22.78564 09	3631.464 13	2995.530 35	977.7147 08	7637.397 6	3.366923 21	549.8793 64	454.8859 62	152.1725 33	1161.909 06	0.098949 06	15.50660 63	12.81999 85	4.281395 98	32.75060 57	EnzymeReg
0.660836 49	23.78484 88	19.53525 21	6.142234 2	50.44772 46	104.0841 41	3689.174 81	3012.418 88	910.0573 18	7760.970 73	15.38000 67	549.7962 51	450.2535 81	140.5432 55	1163.301 38	0.451996 4	15.57762 81	12.57014 35	3.880733 2	32.67992 01	EnzymeReg
1.570003 01	23.14803 45	20.35686	5.027850 9	50.17455 34	242.8490 01	3469.779 77	3036.449 01	733.7406 62	7492.826 49	36.35742 95	531.8085 24	467.1732 23	114.5015 51	1151.462 06	1.053149 43	15.12545 68	13.18061 5	3.175104 44	32.57844 56	EnzymeReg
4.293367 46	19.42278 87	17.04261 2	9.333608 7	50.09237 69	673.0837 4	2993.155 39	2529.791 8	1353.228 02	7549.258 95	99.54947 71	448.4880 7	390.0200 64	212.3020 65	1150.359 68	2.856366 56	12.73058 67	10.97339 51	5.928750 44	32.48909 88	EnzymeReg
4.401156 89	19.68460 66	16.98305 07	9.067185 75	50.136	685.7592 27	3036.809 59	2523.413 75	1316.095 94	7562.078 51	101.9079 09	454.3989 9	388.5535 56	206.2605 2	1151.120 98	2.908261 99	12.85143 13	10.89528 04	5.738225 31	32.39319 91	EnzymeReg
3.923505 69	20.74636 72	17.20031 78	8.733865 15	50.60405 59	609.3696 76	3207.806 33	2572.454 42	1276.830 07	7666.460 51	90.92946 52	478.2861 79	393.4736 78	199.1833 04	1161.872 63	2.579065 28	13.36263 26	10.91709 17	5.517747 65	32.37653 72	EnzymeReg
4.115596 13	19.98104 22	17.12004 86	9.098433 4	50.31512 04	643.1690 8	3083.546 33	2549.568 71	1323.654 67	7599.938 78	95.42482 69	461.0542 05	391.7353 68	207.1835 79	1155.397 98	2.726563 33	12.99767 15	10.95770 65	5.768541 47	32.45048 29	EnzymeReg
4.212888 74	19.59340 99	17.07939 28	9.283084 94	50.16877 64	660.2882 68	3020.609 42	2537.977 23	1347.371 03	7566.245 95	97.70169 97	452.3263 18	390.8549 25	211.2356 69	1152.118 61	2.801270 18	12.81282 1	10.97827 77	5.895566 98	32.48793 58	EnzymeReg
4.735904 01	20.49769 95	16.79807 92	8.239791 8	50.27147 45	725.1237 83	3172.380 56	2503.606 28	1200.779 85	7601.890 47	109.2321 76	472.7557 4	383.9992 19	187.4981 06	1153.485 24	3.069426 63	13.22672 22	10.65269 02	5.146537 03	32.09537 6	EnzymeReg
1.930925 9	9.576723 18	24.75459 47	12.86338 97	49.12563 35	298.1696 28	1466.461 14	3773.661 21	1944.596 77	7482.888 75	44.68274 2	221.0578 18	570.2595 09	295.1849 73	1131.185 04	1.294451 06	6.335170 64	16.12502 61	8.233738 54	31.98838 64	EnzymeReg
1.894388 49	9.579296 55	24.64778 55	13.01876 79	49.14023 85	291.5355 12	1464.790 34	3753.152 52	1966.133 93	7475.612 3	43.80790 46	220.9865 84	567.4517 06	298.6512 55	1130.897 45	1.272534 19	6.335426 83	16.02597 26	8.318455 64	31.95238 93	EnzymeReg
1.913167 66	9.577973 91	24.70268 24	12.93890 8	49.13273 19	294.9452 55	1465.649 08	3763.693 39	1955.064 45	7479.352 18	44.25754 56	221.0231 96	568.8948 35	296.8696 87	1131.045 26	1.283798 82	6.335295 15	16.07688 32	8.274913 52	31.97089 07	EnzymeReg
1.859154 8	9.581778 1	24.54478 75	13.16860 19	49.15432 23	285.1381 13	1463.179 15	3733.375 62	1986.902 6	7468.595 48	42.96428 32	220.9178 92	564.7440 9	301.9938 54	1130.620 12	1.251399 35	6.335673 87	15.93045 35	8.400149 88	31.91767 66	EnzymeReg
1.811183 43	9.583234 48	24.40887 7	13.36356 1	49.16685 6	276.4769 96	1460.485 25	3706.562 82	2013.488 3	7457.013 36	41.81702 86	220.7732 78	561.1421 4	306.3272 75	1130.059 72	1.222478 11	6.333958 92	15.80263 69	8.505473 03	31.86454 7	EnzymeReg
1.839820 54	9.583139 83	24.48826 8	13.25082 24	49.16205 07	281.6275 81	1462.295 02	3722.523 16	1998.299 28	7464.745 05	42.50135 12	220.8801 98	563.2583 03	303.8280 84	1130.467 94	1.239801 74	6.335809 44	15.87803 79	8.444979 08	31.89862 82	EnzymeReg
4.088576 93	14.81509 36	23.99077 89	5.481441 71	48.37589 12	581.4802 61	2109.893 15	3435.701 78	819.2446 36	6946.319 83	92.93934 26	336.6353 34	545.5677 81	126.2938 24	1101.436 28	2.621807 77	9.455743 29	15.19318 15	3.542373 91	30.81310 65	EnzymeReg
4.202463 4	15.36334 48	23.78461 74	5.252740 49	48.60316 61	630.5587 62	2273.195 04	3426.383 84	725.9161 24	7056.053 77	96.44192 36	352.2951 09	542.3400 32	119.4674 21	1110.544 49	2.736710 62	9.916634 66	15.17129 14	3.333233 28	31.15787	EnzymeReg
3.886892 16	15.55773 51	23.91510 32	5.166224 13	48.52595 46	586.7176 47	2308.721 28	3450.523 86	722.1141 55	7068.076 94	89.40459 03	356.9518 44	545.2712 23	117.4587 34	1109.086 39	2.545037 38	10.07913 69	15.30364 2	3.270646 12	31.19846 24	EnzymeReg

4.165304 25	15.05469 22	23.88526 41	5.381904 94	48.48716 55	607.5666 28	2182.954 33	3429.551 3	776.2398 36	6996.312 09	95.09703 99	343.5468 5	543.8485 3	123.2793 48	1105.771 77	2.689623 74	9.657232 74	15.17300 43	3.450098 63	30.96995 94	EnzymeReg
4.242935 72	15.29711 42	23.77850 59	5.281195 24	48.59975 1	633.9603 93	2256.876 46	3423.328 34	732.7282 75	7046.893 46	97.28016 31	350.5398 1	542.1090 2	120.2293 49	1110.158 34	2.758238 85	9.861096 51	15.15258 93	3.356736	31.12866 07	EnzymeReg
3.771557 95	15.62878 04	23.96279 29	5.134604 34	48.49773 55	570.6947 03	2321.705 32	3459.346 49	720.7246 21	7072.471 14	86.83260 29	358.6537 76	546.3425 08	116.7246 05	1108.553 49	2.474985 1	10.13852 78	15.35201 32	3.247771 92	31.21329 8	EnzymeReg
4.151293 25	24.95402 92	17.09089 55	2.270643 14	48.46686 11	616.9570 74	3686.868 18	2503.304 37	317.0512 59	7124.180 88	95.23572 28	570.4903 59	390.3360 12	51.50221 25	1107.564 31	2.726730 45	16.03006 19	10.94143 63	1.426323 39	31.12455 2	EnzymeReg
3.887942 24	24.75381 84	17.30912 11	2.652664 59	48.60354 64	597.3947 38	3719.522 43	2548.546 8	377.4458 31	7242.909 81	89.87404 91	568.3403 47	395.9284 55	60.16232 26	1114.305 17	2.564141 16	15.99499 47	11.06147 95	1.634916 91	31.25553 23	EnzymeReg
3.950349 19	24.80126 28	17.25740 77	2.562136 02	48.57115 57	602.0304 74	3711.784 27	2537.825 59	363.1339 78	7214.774 32	91.14461 83	568.8498 41	394.6031 99	58.11011 46	1112.707 77	2.602670 35	16.00330 47	11.03303 25	1.585485 98	31.22449 36	EnzymeReg
4.058022 52	24.88312 07	17.16818 43	2.405943 25	48.51527 08	610.0287 03	3698.433 3	2519.327 83	338.4411 36	7166.230 97	93.33678 48	569.7288 92	392.3166 81	54.56935 39	1109.951 71	2.669146 38	16.01764 22	10.98395 18	1.500200 72	31.17094 11	EnzymeReg
3.793378 87	23.61760 84	17.74303 11	3.398035 41	48.55205 38	577.8494 13	3560.862 71	2678.428 71	517.3714 78	7334.512 3	87.41677 88	543.0266 56	408.1369 61	78.37595 78	1116.956 35	2.485644 26	15.38600 65	11.56569 77	2.218327 56	31.65567 6	EnzymeReg
4.097630 15	24.44337 9	17.29232 42	2.616981 19	48.45031 45	607.4433 72	3618.304 09	2562.689 24	381.5556 98	7169.992 39	93.90831 05	559.2181 08	395.9786 38	59.93467 67	1109.039 73	2.684719 74	15.75963 16	11.16946 02	1.693314 65	31.30712 62	EnzymeReg
6.641619 83	34.03214 7	5.998822 01	1.846933 42	48.51952 22	1010.280 08	5062.567 19	907.1321 31	300.3146 9	7280.294 09	153.0544 35	779.5126 19	137.9764 82	43.21642 38	1113.759 96	4.366229 75	21.92775 86	3.849384 28	1.220386 08	31.36375 87	EnzymeReg
5.917787 77	35.08011 23	5.176477 38	1.866515 34	48.04089 28	898.4136 85	5149.534 5	775.8106 68	318.7253 24	7142.484 18	136.5723 03	801.7198 42	119.0657 36	44.15479 74	1101.512 68	3.944110 15	22.58738 49	3.320818 69	1.242583 86	31.09489 76	EnzymeReg
6.443787 58	31.58570 01	7.821686 09	2.580284 17	48.43145 79	959.8189 6	4768.221 35	1167.787 7	358.7546 97	7254.582 71	148.0859 39	724.6894 82	179.5601 31	58.44549 11	1110.781 04	4.264878 22	20.18542 16	4.977125 36	1.629825 46	31.05725 06	EnzymeReg
5.995174 13	33.93100 8	6.041423 51	2.140681 47	48.10828 72	902.8269 99	5019.518 9	902.3837 75	337.0242 36	7161.753 91	138.1584 68	776.2381 9	138.8289 6	49.73624 88	1102.961 87	3.994559 71	21.78727 01	3.860102 65	1.393281 71	31.03521 41	EnzymeReg
6.194758 57	32.88759 98	6.833447 68	2.336257 09	48.25206 32	928.1822 54	4907.718 69	1020.459 8	346.6919 4	7203.052 68	142.5751 18	753.3045 94	156.9499 23	53.61091 91	1106.440 55	4.114822 19	21.07462 09	4.357056 86	1.498518 08	31.04501 8	EnzymeReg
6.429781 06	31.65892 49	7.766103 06	2.566558 97	48.42136 8	958.0395 67	4776.067 32	1159.501 31	358.0762 33	7251.684 43	147.7759 85	726.2989 26	178.2884 3	58.17357 27	1110.536 91	4.256438 38	20.23543 42	4.942249 88	1.622440 13	31.05656 26	EnzymeReg
3.667820 8	19.33707 75	21.30660 77	3.557621 35	47.86912 74	578.0250 53	3001.470 44	3228.413 32	541.1320 47	7349.040 86	84.63980 83	445.3481 55	488.1309 7	81.54924 51	1099.668 18	2.371827 61	12.49393 54	13.49440 92	2.200334 35	30.56050 65	EnzymeReg
3.664319	19.27156 36	21.37410 66	3.579162 17	47.88915 14	575.3607 39	2982.592 05	3234.286 45	542.0361 67	7334.275 4	84.53275 25	443.6745 57	489.6876 05	81.98309 03	1099.878 01	2.373768 6	12.45950 06	13.56410 13	2.218761 98	30.61613 25	EnzymeReg
3.612926 51	18.68923 19	21.99350 73	3.783061 62	48.07872 73	547.2960 64	2807.854 09	3287.153 65	550.1287 46	7192.432 54	83.11155 91	428.7001 23	504.0202 68	86.08180 03	1101.913 75	2.382140 04	12.16199 03	14.21728 18	2.393850 18	31.15526 24	EnzymeReg
3.632349 46	18.90931 47	21.75941 49	3.706001 15	48.00708 01	557.9026 51	2873.893 45	3267.173 35	547.0702 87	7246.039 74	83.64867 6	434.3594 67	498.6034 72	84.53275 97	1101.144 37	2.378976 19	12.27442 95	13.97042 29	2.327678 45	30.95150 7	EnzymeReg
3.626456 2	18.84253 77	21.83044 26	3.729382 66	48.02881 91	554.6844 25	2853.855 94	3273.235 72	547.9982 78	7229.774 37	83.48570 52	432.6423 22	500.2470 23	85.00276 59	1101.377 82	2.379936 16	12.24031 35	14.04532 43	2.347756 12	31.01333	EnzymeReg
3.629495 92	19.38806 96	21.29341 81	3.566033 48	47.87701 7	571.2218 01	3002.118 69	3225.184 78	540.5420 98	7339.067 37	83.77190 61	446.4515 15	487.9245 64	81.70257 19	1099.850 56	2.352326 95	12.53809 45	13.50844 61	2.208862 32	30.60772 99	EnzymeReg
3.665541 34	19.28541 4	21.35937 45	3.574312 54	47.88464 24	576.0282 41	2986.748 09	3233.029 03	541.8436 89	7337.649 05	84.56655 48	444.0307 16	489.3467 11	81.88560 48	1099.829 59	2.373569 49	12.46657 67	13.54856 58	2.214597 6	30.60330 96	EnzymeReg
3.617583 63	18.74200 2	21.93737 8	3.764584 53	48.06154 81	549.8392 47	2823.688 6	3282.362 89	549.3954 07	7205.286 15	83.24034 57	430.0570 86	502.7214 62	85.71038 08	1101.729 27	2.381381 43	12.18895 03	14.15809 15	2.377983 92	31.10640 72	EnzymeReg
3.496533	18.95100 36	21.84878 04	3.776963 33	48.07328 02	529.7464 43	2838.674 03	3267.951 46	546.8775 21	7183.249 45	80.51800 36	434.7543 45	500.9931 66	85.90784 41	1102.173 36	2.317244 5	12.35471 07	14.15569 12	2.392862 73	31.22050 92	EnzymeReg
3.635471 21	18.94468 74	21.72179 04	3.693615 62	47.99556 47	559.6073 92	2884.507 61	3263.962 02	546.5787 17	7254.655 74	83.73500 4	435.2690 63	497.7328 58	84.28379 05	1101.020 72	2.378467 68	12.29250 13	13.93074 66	2.317043 01	30.91875 85	EnzymeReg
3.206928 57	19.94152 89	21.15658 12	3.661382 61	47.96642 13	495.9541 88	3006.898 09	3190.358 49	534.1571 56	7227.367 92	74.19900 7	458.3951 96	485.8457 6	83.44564 19	1101.885 61	2.137779 68	13.02017 99	13.67177 08	2.305098 07	31.13482 84	EnzymeReg
3.392597 88	19.30648 98	21.60035 94	3.735482 97	48.03493	517.6188 59	2899.047 37	3240.104 39	542.3123 53	7199.082 98	78.25020 1	443.2387 28	495.5569 66	85.02419 29	1102.070 09	2.252836 99	12.59353 86	13.98201 87	2.361365 17	31.18975 95	EnzymeReg
2.893103 57	19.81280 37	19.77162 42	6.069216 89	48.54674 83	438.8957 92	3005.560 81	3008.708 96	911.5394 37	7364.705	66.63185 2	456.2759 19	455.4857 64	139.3473 09	1117.740 84	1.899729 85	12.94374 66	12.85516 72	3.891991 56	31.59063 53	EnzymeReg
2.998254 67	19.87195 32	20.05766 24	5.726271 23	48.65414 15	459.4488 71	3044.214 04	3058.676 97	877.1643 59	7439.504 24	69.08996 63	458.5342 96	462.0556 79	132.0168 84	1121.696 82	1.948389 98	12.98253 5	13.04676 55	3.727096 16	31.70478 67	EnzymeReg
2.928202 92	20.21576 29	19.61767 6	5.871862 72	48.63350 46	444.9691 09	3080.634 56	2984.286 75	885.5590 16	7395.449 44	67.39726 72	466.0900 76	451.9649 13	134.9843 92	1120.436 65	1.906836 09	13.20229 27	12.75473 1	3.783569 98	31.64742 98	EnzymeReg
2.924954 25	20.23170 72	19.59727 15	5.878614 56	48.63254 75	444.2976 06	3082.323 57	2980.836 89	885.9483 21	7393.406 39	67.31876 78	466.4404 77	451.4969 5	135.1220 11	1120.378 21	1.904909 01	13.21248 4	12.74118 78	3.786188 97	31.64476 98	EnzymeReg

2.89609226	18.9181395	20.3631684	6.25332499	48.4307252	441.321436	2861.23985	3106.26612	944.492245	7353.31965	66.8306014	435.147914	469.037352	143.62057	1114.63644	1.92248325	12.3703909	13.2451271	4.01216046	31.5501617	EnzymeReg
2.89242895	20.0147491	19.6380996	6.02765966	48.5729373	438.348271	3038.13722	2986.68816	904.101265	7367.27492	66.5869899	461.044973	452.426874	138.38274	1118.44158	1.89459391	13.0731656	12.7671447	3.8648668	31.5997711	EnzymeReg
11.0324652	8.42157189	18.1309164	10.5343551	50.6724098	1659.16637	1245.74867	2721.40046	1554.39956	7563.59742	253.81665	193.1702	417.049604	242.73479	1165.66638	7.16934357	5.46027116	11.779312	6.9763363	33.0402154	EnzymeReg
10.0029973	14.1524543	17.6981491	9.02300064	50.9977912	1529.1865	2093.48104	2637.03172	1275.38246	7553.25627	230.3666331	324.622585	405.278704	205.98151	1169.04509	6.48501895	9.17598748	11.373246	5.9423103	33.0551179	EnzymeReg
12.1106648	2.85230613	17.1429933	13.1480144	49.9224825	1768.36275	406.85358	2576.60533	1992.81015	7444.75596	277.319557	64.5992668	395.485035	304.18173	1149.279	7.83591335	1.78765113	11.229042	8.6668906	32.5456822	EnzymeReg
11.2275195	7.335736 2	18.2129133	10.8207128	50.6107595	1683.79378	1085.12802	2737.38589	1607.26519	7565.55677	258.2597 47	168.2637 93	419.279847	249.69841	1165.02621	7.29900 32	4.75625089	11.856255	7.1722542 7	33.0373919	EnzymeReg
11.8690332	3.76453233	18.4825926	11.7625145	50.4079979	1764.79084	556.86292 3	2789.96034	1781.13491	7572.00087	272.8726 45	86.34913 7	426.614892	272.60127	1162.92077	7.72544062	2.44079937	12.109298 8	7.8166084 3	33.0281054	EnzymeReg
12.1541283	2.17745333	18.6024408	12.1810606	50.3178885	1800.78675	322.09658 9	2813.32495	1858.40436	7574.86469	279.3667 64	49.9454379	429.87466	282.77950 9	1161.98509	7.91495371	1.41178936	12.221754	8.1029659 1	33.0239784	EnzymeReg
4.78566488	14.7013602	24.6245084	5.03196896	49.1435023	680.22203 6	2094.72548	3548.80848	753.133494	7076.88949	108.978642	334.829167	562.379104	115.98434	1122.17125	3.07273849	9.36665038	15.752745 4	3.2533290 6	31.4454634	EnzymeReg
4.79493705	14.8614114	24.5206208	4.99390782	49.170877	691.28759 9	2142.41335	3538.39356	729.35853	7101.45304	109.44337	339.361644	560.315184	114.64261 8	1123.76282	3.09038856	9.50086989	15.707789 4	3.2107394 3	31.5097873	EnzymeReg
4.69389958	14.7074297	24.5472726	5.09290572	49.0415076	666.68629	2094.08338	3534.5758	763.098001	7058.44341	106.853363	334.815863	560.292094	117.40785 8	1119.36918	3.01273555	9.37091766	15.681971 2	3.2935140 7	31.3591385	EnzymeReg
4.80476465	14.8528692	24.5343788	4.98894897	49.1809617	692.26084	2140.14279	3540.50005	729.409792	7102.31347	109.658697	339.140492	560.650435	114.54900 8	1123.99863	3.09624539	9.49379 86	15.717928 6	3.2083284 4	31.5163 01	EnzymeReg
4.43928131	15.1705475	24.0227229	5.17336591	48.8059177	656.06650 9	2224.58381	3462.16069	727.503369	7070.31437	101.650795	347.365044	548.182637	118.03033	1115.22881	2.87843 28	9.75677626	15.340858 1	3.2979918 8	31.2740 59	EnzymeReg
4.97014763	14.7091183	24.7659056	4.90549942	49.3506709	708.63894 9	2101.93282	3575.94899	730.272458	7116.79322	113.282312	335.418842	566.292174	112.97363	1127.96702	3.19480664	9.37479994	15.888554 8	3.1677553	31.6259166	EnzymeReg
2.31610577	13.0544896	27.1857274	6.25049192	48.8068147	377.535247	2076.67046	4178.74728	945.388542	7578.34153	54.22643 36	303.890061	626.9577	143.36092 1	1128.43511	1.57633691	8.73235774	17.624271 1	3.9996989 5	31.9326647	EnzymeReg
2.12093458	13.204382	26.0385537	6.69141898	48.0552893	327.66284	2070.14262	4031.3563	1010.0968 1	7439.25857	49.17139 27	306.711539	601.946759	153.77587	1111.60556	1.41965521	8.80167827	17.057402 7	4.2901912 4	31.5689274	EnzymeReg
2.32649874	13.0141273	27.2949373	6.23543131	48.8709946	381.005003	2073.31117	4192.36664	942.744673	7589.42749	54.50921 57	303.001858	629.307766	142.96718 3	1129.78602	1.58423834	8.70610122	17.675776	3.9875757 8	31.9536913	EnzymeReg
2.25617595	13.2872324	26.5559872	6.33733633	48.4367319	357.527484	2096.04125	4100.21356	960.633965	7514.41626	52.59581 81	309.011732	613.40644	145.63134 1	1120.64533	1.53077464	8.88376148	17.327271	4.0696051 4	31.8114183	EnzymeReg
2.21961073	13.4292369	26.1717608	6.39032314	48.2109316	345.320051	2107.86005	4052.2974	969.935729	7475.41323	51.60092 29	312.136641	605.138345	147.01660 3	1115.89251	1.50297 55	8.97613817	17.146070 6	4.1122573 5	31.7374417	EnzymeReg
2.21833169	13.4342041	26.1583208	6.39217659	48.2030332	344.89304	2108.27347	4050.62131	970.2611	7474.04892	51.56612 19	312.245949	604.849131	147.06505 9	1115.72626	1.50200 31	8.97936946	17.139732 1	4.1137493	31.734854	EnzymeReg
3.39646889	18.3880903	16.6229051	8.49223432	46.8996986	487.432491	2674.52753	2442.28568	1242.50694	6846.75263	77.26442 71	419.662496	380.097309	193.49550 2	1070.51973	2.16038633	11.74131	10.651041 8	5.3496442 5	29.9023824	EnzymeReg
3.39059939	18.5049204	16.4247888	8.75896617	47.0792748	501.873128	2752.29456	2440.78924	1290.4535	6985.41042	77.71265 26	424.115864	376.036135	199.91451 4	1077.77917	2.19406435	11.93369 76	10.526034 2	5.5286315 6	30.1824277	EnzymeReg
3.38409903	18.6343077	16.2053787	9.05436686	47.2781522	517.865872	2838.42014	2439.13196	1343.55345	7138.97141	78.20905 43	429.047887	371.538459	207.02345 3	1085.81885	2.23136214	12.14676 33	10.387590 5	5.7268567 7	30.4925727	EnzymeReg
3.38616886	18.5931086	16.2752426	8.96030624	47.2148263	512.773509	2810.99629	2439.65966	1326.64552	7090.07497	78.05099 15	427.477447	372.970596	204.75984 6	1083.25888	2.21948589	12.07891 95	10.431673 3	5.6637384 8	30.3938172	EnzymeReg
2.7096188	17.0495701	16.7416547	10.037113 8	46.5379574	393.903053	2472.21856	2461.07196	1499.88663	6827.0802	61.67516 13	388.553216	381.896006	229.19865 6	1061.32304	1.71362099	10.85863 98	10.598222 8	6.3078263 9	29.47831	EnzymeReg
2.98921612	17.5579577	16.7499584	9.33611963	46.6332518	427.641226	2531.96004	2453.89593	1382.10172	6795.59891	67.855719	399.874536	382.32339	212.92579 1	1062.97944	1.88482078	11.16107 93	10.655154 3	5.8691931 9	29.5702475	EnzymeReg
3.27390095	19.9905588	22.4504091	2.15696243	47.8718313	509.883677	3040.4762	3385.39802	338.21827	7273.97617	75.93886 38	460.23002	515.051824	50.01731 76	1101.23803	2.17945757	13.00951 37	14.35154	1.3904893 8	30.9310006	EnzymeReg
3.69466672	20.9985062	22.3529902	1.22131723	48.2674803	561.358718	3164.22536	3340.92106	171.260384	7237.76553	85.31906 48	483.221527	512.467241	27.7592	1108.76703	2.47024696	13.81358 36	14.406789 9	0.7627130 1	31.4533335	EnzymeReg
3.205443	19.7670978	22.4025603	2.47131291	47.8464167	503.722086	3016.48706	3386.38993	395.655532	7302.25461	74.42827 69	455.061932	514.046705	57.51939 35	1101.05631	2.12526 82	12.79829 27	14.295069 9	1.6052587 8	30.8238897	EnzymeReg
3.45163231	20.5707112	22.5746277	1.34084181	47.9378129	525.880475	3102.75711	3382.82283	189.098935	7200.55934	79.86066 84	473.647475	517.661327	30.54033 45	1101.70981	2.32014469	13.55788 82	14.498148 1	0.8329024	31.2090833	EnzymeReg
3.45137828	20.569882	22.5744501	1.34200826	47.9377186	525.857611	3102.66809	3382.82651	189.312067	7200.66428	79.85506 31	473.628298	517.657597	30.56817 25	1101.70913	2.31994361	13.55710 44	14.497938 6	0.8336993 4	31.2086859	EnzymeReg

3.26907977	19.9748215	22.4470395	2.1791007	47.8700414	509.449744	3038.78675	3385.46788	342.263313	7275.96769	75.8324801	459.866056	514.981038	50.5456544	1101.22523	2.17564126	12.9946384	14.347563	1.40561461	30.9234573	EnzymeReg
1.05884276	20.5219255	22.4734471	4.4567926	48.5110008	161.010803	3102.8893	3331.4134	648.410639	7243.72414	24.4907907	472.658624	514.463939	101.747079	1113.36043	0.7087173	13.4814092	14.4236192	2.81415946	31.4279052	EnzymeReg
1.10022706	20.6968814	22.2599768	4.5617309	48.6188163	166.384005	3126.1261	3306.19322	665.007345	7263.71067	25.4198118	476.611588	509.861423	104.211124	1116.10395	0.7342535	13.596808	14.308006	2.89022009	31.5292877	EnzymeReg
0.82421342	19.5300082	23.6837224	3.8618423	47.8997863	130.547296	2971.14767	3474.39985	554.315188	7130.41	19.2236815	450.247196	540.55825	87.7771096	1097.80601	0.5639381	12.8271526	15.079091	2.38293173	30.8531144	EnzymeReg
0.90204462	19.8590468	23.2822501	4.0591914	48.1025407	140.652645	3014.84898	3426.96841	585.528514	7167.99855	20.970886	457.681511	531.9021	92.4112253	1102.96572	0.6119647	13.0441825	14.861658	2.52597852	31.0437839	EnzymeReg
1.03216884	20.409159	22.6110377	4.3891555	48.4415241	157.547548	3087.9122	3347.66887	637.713363	7230.84198	23.8919974	470.110773	517.430455	100.158898	1111.59212	0.6922581	13.4070298	14.498168	2.76513517	31.3625599	EnzymeReg
2.50166369	19.1603622	23.4044107	3.2004419	48.2668785	383.165684	2923.86898	3495.59689	471.627512	7274.25907	57.6967173	442.086998	536.688799	73.1191224	1109.59164	1.6465475	12.6072483	15.130952	2.02593004	31.4106786	EnzymeReg
3.78023213	23.5875419	17.762133	3.4273506	48.5572577	576.563643	3558.60232	2682.85988	522.457812	7340.48366	87.1386918	542.434795	408.638958	79.0688585	1117.2813	2.4776104	15.3725444	11.581646	2.23772009	31.6695225	EnzymeReg
3.65408436	23.5590525	17.9281397	3.5033161	48.6445932	563.901569	3547.17746	2698.98759	535.039659	7345.10628	84.5820749	541.746116	412.373859	80.9041498	1119.6062	2.4268386	15.3675711	11.680404	2.27134721	31.7461567	EnzymeReg
3.71727575	23.5733237	17.8449817	3.4652627	48.600841	570.2444	3552.90053	2690.90871	528.737016	7342.79066	85.8627648	542.091097	410.502929	79.9847946	1118.44159	2.4522715	15.3700624	11.630931	2.25450273	31.7077682	EnzymeReg
3.50526571	23.6266802	18.0925553	3.5331295	48.7576326	550.038364	3548.82622	2707.25189	538.383116	7344.49959	81.6159677	543.233444	415.858289	81.5939004	1122.3016	2.3695913	15.4176924	11.755059	2.26167535	31.80401	EnzymeReg
3.54844398	23.7735637	17.9931709	3.4261176	48.7412962	555.827797	3573.22703	2687.15409	518.499712	7334.70863	82.5587513	546.584351	413.331404	78.9672282	1121.44173	2.3905591	15.4952345	11.664559	2.18332972	31.733684	EnzymeReg
3.61958723	24.0155781	17.8294157	3.2497982	48.7143791	565.366831	3613.43134	2654.03969	485.738561	7318.57643	84.1121412	552.105517	409.16795	74.6393574	1120.02496	2.4251090	15.6229977	11.515461	2.05424252	31.6178104	EnzymeReg
0.02704627	8.7651305	19.542931	15.094968	43.430067	3.9224525	1266.46957	2880.9519	2201.73603	6353.07996	0.6204759	201.20615	448.293571	344.706353	994.82655	0.0176917	5.5322904	12.293283	9.44472183	27.2879873	EnzymeReg
0.45230835	9.0139813	18.6150482	16.002175	44.083505	65.597141	1310.22444	2719.21782	2332.23976	6427.27916	10.376535	207.00258	426.319445	366.019474	1009.7181	0.2958675	5.7547487	11.768742	10.10276	27.9221201	EnzymeReg
1.25399105	9.5002479	18.8234387	15.872014	45.449624	183.634872	1413.41339	2780.70295	2330.58659	6708.3378	28.7217272	218.561304	431.610583	363.360337	1042.25395	0.8144809	6.1812865	12.106753	10.11244929	29.2149638	EnzymeReg
1.51938218	9.6711193	20.0223653	14.766648	45.979515	223.733038	1459.52417	3012.53439	2187.08033	6882.87192	34.767979	222.752337	460.326938	337.753763	1055.60101	0.9828229	6.3266267	12.984518	9.40520764	29.6991754	EnzymeReg
1.34331759	9.5577605	19.2269788	15.499965	45.628027	197.131293	1428.93357	2858.73381	2282.28461	6767.08328	30.756791	219.971941	441.276063	354.741561	1046.74636	0.8711422	6.2302054	12.402195	9.8743985	29.3779419	EnzymeReg
0.289845	8.9189126	18.9695283	15.655591	43.833877	42.035489	1293.50872	2781.00527	2282.38327	6398.93276	6.6494138	204.78814	434.714245	357.877198	1004.02901	0.1895954	5.6697627	11.969134	9.85136895	27.6798616	EnzymeReg
2.86437963	17.9096879	22.751152	4.7863309	48.3115504	431.237071	2693.72168	3418.96533	698.181654	7242.10574	65.8854832	411.167692	521.917902	109.002004	1107.97308	1.8958710	11.682189	14.717502	3.04729363	31.3428558	EnzymeReg
2.83456656	18.3933466	22.286876	4.8065594	48.3213486	429.02396	2782.26986	3361.88877	693.838441	7267.02103	65.3965242	423.429368	511.335804	109.341149	1109.50285	1.8878349	12.042948	14.316021	3.03628476	31.2830891	EnzymeReg
2.85040948	18.1363262	22.5335962	4.7958082	48.3161417	430.200026	2735.21461	3392.21974	696.146461	7253.78083	65.6563612	416.913409	516.959221	109.160924	1108.68992	1.8921054	11.851237	14.529371	3.04213496	31.3148496	EnzymeReg
2.8435153	18.5741515	22.1214277	4.7980615	48.3371561	432.849005	2823.67188	3349.60849	691.885649	7298.01503	65.72537	428.279348	507.970675	109.174661	1111.15005	1.8984067	12.184278	14.192905	3.02496504	31.3005559	EnzymeReg
2.84671779	18.1962167	22.4761059	4.7983146	48.317355	429.925981	2746.17934	3385.15206	695.60865	7256.86604	65.5958144	418.431747	515.648862	109.20292	1108.87934	1.8911103	11.895909	14.479657	3.04077176	31.3074488	EnzymeReg
2.84329729	18.2517075	22.4228388	4.8006351	48.3184792	429.672068	2756.3386	3378.60359	695.110347	7259.72461	65.5397154	419.838547	514.434763	109.241831	1109.05486	1.8901883	11.937302	14.433594	3.03950869	31.3005917	EnzymeReg
0.87147148	14.3877373	24.5457688	8.5645280	48.4489366	133.494869	2193.68087	3699.19169	1310.15771	7349.09887	20.011148	331.597668	563.610223	197.200366	1114.27098	0.5486409	9.3759609	15.852988	5.55791636	31.3890394	EnzymeReg
1.44976982	14.1528082	24.9258745	8.4773518	49.0058043	220.490235	2140.47725	3764.23428	1315.26882	7440.47059	33.490217	326.15906	573.189759	195.682479	1128.52152	0.9529385	9.2483307	16.108149	5.48768368	31.7970979	EnzymeReg
0.82700944	14.5902918	24.3727824	8.4926691	48.4134505	126.561346	2242.35913	3691.15748	1295.04517	7375.81224	19.002253	336.8011	560.241632	195.43698	1114.52858	0.5255513	9.5435738	15.756440	5.49856852	31.4122189	EnzymeReg
1.42321661	14.1486952	24.9200319	8.4876995	48.9796428	216.515453	2139.31915	3761.49271	1316.22294	7433.55025	32.869084	326.022309	572.962471	195.904018	1127.75788	0.9337287	9.2414464	16.102642	5.49613779	31.7739552	EnzymeReg
0.79682831	14.7277873	24.2553588	8.4438908	48.3893622	121.854823	2275.40227	3685.7038	1284.78668	7393.94546	18.317395	340.333225	557.95501	194.239981	1114.70344	0.5098779	9.6573505	15.690903	5.45828238	31.4279533	EnzymeReg
0.87320388	14.379845	24.5525089	8.5673279	48.4503193	133.765025	2191.78418	3699.50474	1310.74655	7348.05802	20.050487	331.394923	563.741476	197.269074	1114.26094	0.5495405	9.3694308	15.856749	5.56022877	31.3881362	EnzymeReg

2.107358 62	11.04758 68	25.86253 5	5.125601 89	44.14308 23	304.3047 29	1606.179 62	3834.470 58	741.0544 14	6486.009 35	48.07963 27	252.3504 75	592.2515 03	116.6763 09	1009.357 92	1.338222 55	7.076746 39	16.55067 81	3.196234 08	28.16188 11	EnzymeReg
2.143331 25	10.99893 27	25.63215 84	5.310937 07	44.08535 94	310.3689 43	1601.899 89	3798.610 29	766.5197 41	6477.398 86	48.94943 75	251.4298 74	587.0130 99	120.8832 65	1008.275 68	1.361855 24	7.043409 8	16.38014 4	3.306035 05	28.09144 41	EnzymeReg
2.076958 99	11.08870 33	26.05722 09	4.968979 44	44.19186 26	299.1800 02	1609.796 33	3864.775 28	719.5342 58	6493.285 87	47.34458 09	253.1284 53	596.6783 56	113.1211 07	1010.272 5	1.318251 1	7.104918 37	16.69479 24	3.103443 83	28.22140 57	EnzymeReg
2.042072 09	11.96168 98	26.73882	4.496125 91	45.23870 77	299.8495 33	1779.545 34	4000.988 86	662.7168 22	6743.100 56	46.70627 11	274.2292 32	613.2972 78	102.5778 05	1036.810 59	1.306521 95	7.732284 38	17.22848 39	2.824311 95	29.09160 22	EnzymeReg
2.034242 5	11.80877 15	26.69824 39	4.513822 97	45.05508 09	297.2325 96	1747.688 47	3988.709 81	663.5340 7	6697.164 95	46.47631 68	270.4284 42	612.1527 98	102.9418 77	1031.999 43	1.299162 54	7.621723 6	17.19267 73	2.834596 91	28.94816 03	EnzymeReg
2.057629 44	12.26553 77	26.81944 45	4.460961 91	45.60357 36	305.0493 77	1842.844 83	4025.387 28	661.0929 54	6834.374 44	47.16318 95	281.7813 88	615.5713 56	101.8543 95	1046.370 33	1.321145 08	7.951968 25	17.29963 15	2.803875 77	29.37662 06	EnzymeReg
2.658528 82	18.38515 33	23.60144 27	4.767465 91	49.41259 08	416.0344 98	2775.158 55	3582.691 47	706.8295 63	7480.714 08	61.59836 43	423.0036 79	543.0084 47	109.1583 8	1136.768 87	1.754862 93	11.97666 88	15.29092 87	3.044139 17	32.06659 96	EnzymeReg
2.568720 31	18.42720 19	23.47991 28	4.894258 76	49.37009 37	400.2255 56	2781.952 9	3572.002 5	730.1041 29	7484.285 08	59.45602 32	423.9115 6	540.3564 06	112.1061 42	1135.830 13	1.693559 15	12.00241 01	15.20386 72	3.113543 55	32.01338	EnzymeReg
2.353735 91	18.52785 8	23.18899 33	5.197776 61	49.26836 38	362.3819 73	2798.217 28	3546.415 14	785.8189 91	7492.833 38	54.32766 82	426.0848 53	534.0079 28	119.1625 21	1133.582 97	1.546809 6	12.06402 98	14.99545 85	3.279684 35	31.88598 22	EnzymeReg
2.488354 32	18.46482 94	23.37116 06	5.007720 54	49.33206 48	386.0787 76	2788.032 89	3562.437 37	750.9315 95	7487.480 63	57.53892 9	424.7239 86	537.9832 03	114.7439 75	1134.990 09	1.638700 87	12.02544 49	15.12595 93	3.175650 71	31.96575 58	EnzymeReg
2.780475 48	18.69442 18	23.18485 13	4.335463 39	48.99521 2	428.9079 05	2868.726 61	3540.454 86	646.8123 54	7484.901 73	64.42493 26	431.5872 18	534.2745 23	99.36475 03	1129.651 42	1.865571 54	12.28037 72	15.06112 62	2.779396 42	31.98647 13	EnzymeReg
2.477576 29	18.46987 57	23.35657 56	5.022937 11	49.32696 47	384.1815 26	2788.848 29	3561.154 57	753.7248 04	7487.909 19	57.28182 41	424.8329 42	537.6649 28	115.0977 39	1134.877 43	1.631343 73	12.02853 42	15.11551 1	3.183980 01	31.95936 89	EnzymeReg
2.014648 49	11.14454 29	20.31730 16	10.94701 93	44.42351 23	291.7996 48	1608.607 63	2959.813 09	1592.647 56	6452.867 93	46.07603 98	255.1935 37	466.1752 88	250.4263 76	1017.871 24	1.282246 25	7.086042 83	12.89359 58	6.886702 94	28.14858 79	EnzymeReg
2.177214 05	12.20938 76	19.50785 72	10.62192 22	44.51638 11	311.0803 63	1750.460 47	2835.016 33	1551.603 61	6448.160 78	49.56987 22	278.8841 86	447.1201 19	243.0373 41	1018.611 52	1.373585 68	7.730766 23	12.36149 19	6.675170 99	28.14101 48	EnzymeReg
2.281466 24	13.69016 24	18.97472 64	9.669810 46	44.61616 55	321.4724 31	1952.189 11	2755.064 56	1438.525 45	6467.251 55	51.90791 98	312.1019 87	434.0159 03	221.8599 43	1019.885 75	1.429135 55	8.613506 4	11.95099 3	6.118633 26	28.11226 82	EnzymeReg
1.819374 34	9.865448 86	21.28960 81	11.33752 68	44.31195 81	268.6396 06	1438.213 65	3109.719 25	1641.949 65	6458.522 16	41.87923 99	226.7362 72	489.0644 02	259.3021 03	1016.982 02	1.172529 12	6.311599 54	13.53276 04	7.140795 62	28.15768 46	EnzymeReg
1.822661 29	9.886979 2	21.27324 18	11.33095 36	44.31383 58	269.0294 48	1441.081 81	3107.195 96	1641.119 77	6458.426 99	41.94988 25	227.2152 79	488.6791 21	259.1527 02	1016.996 99	1.174375 93	6.324635 35	13.52200 16	7.136518 61	28.15753 15	EnzymeReg
2.286992 97	13.62483 82	18.94899 42	9.753378 69	44.61420 4	322.3789 04	1942.918 47	2750.811 73	1448.169 18	6464.278 28	52.01429 63	310.6138 49	433.4806 01	223.7004 44	1019.809 19	1.432625 78	8.575712 67	11.94171 64	6.164995 73	28.11505 06	EnzymeReg
6.130760 3	19.43378 79	19.75730 32	4.380151 86	49.70200 33	948.5362 79	2980.392 25	2962.333 76	639.9839 5	7531.246 23	141.6271 25	447.6409 83	452.6968 61	99.74777 16	1141.712 74	3.999401 4	12.57444 97	12.64674 11	2.752703 25	31.97329 55	EnzymeReg
5.313968 95	19.26354 75	20.40443 25	4.620237 91	49.60218 69	825.6518 57	2939.430 42	3068.311 09	686.5799 98	7519.973 37	122.8186 98	443.3224 11	468.0474 72	105.6044 44	1139.793 02	3.458288 04	12.45878 91	13.09389 67	2.914889 36	31.92586 32	EnzymeReg
6.693649 36	19.71639 08	18.87388 85	4.427208 86	49.71113 75	1040.368 15	3032.937 23	2825.379 37	641.1530 59	7539.837 81	155.0635 53	454.9550 88	432.3929 35	100.6394 14	1143.050 99	4.424768 11	12.82649 71	12.09425 82	2.774157 27	32.11968 06	EnzymeReg
5.599453 31	19.23279 33	20.41712 77	4.420275 91	49.66965 02	864.6998 23	2940.468 85	3066.175 35	652.1200 54	7523.464 08	129.1334 05	442.4629 74	467.9927 75	100.8665 02	1140.455 66	3.618770 38	12.40510 4	13.07102 82	2.785451 82	31.88035 44	EnzymeReg
4.575218 18	19.34313 05	20.37158 11	5.137681 64	49.42761 15	724.6070 36	2936.743 25	3073.837 79	775.7523 47	7510.940 42	106.4780 65	445.5463 85	468.1890 12	117.8648 64	1138.078 33	3.043006 22	12.59771 07	13.15307 37	3.249836 18	32.04362 68	EnzymeReg
6.488217 84	19.61325 23	19.19629 88	4.410034 98	49.70780 39	1006.853 27	3013.760 46	2875.362 13	640.7263 82	7536.702 24	150.1598 05	452.2857 39	439.8030 39	100.3140 01	1142.562 58	4.269526 63	12.73451 01	12.29589 19	2.766327 43	32.06625 6	EnzymeReg
2.014769 84	12.77107 83	25.36056 45	8.392387 98	48.53880 06	309.1446 76	1970.952 62	3957.134 92	1285.510 46	7522.742 67	46.60197 84	295.7431 69	587.6581 84	193.5194 5	1123.522 78	1.330109 92	8.435857 67	16.72340 08	5.420694 67	31.91006 31	EnzymeReg
2.446370 82	11.14874 3	26.22371 61	8.680708 48	48.49953 84	372.7227 78	1701.100 11	3994.886 31	1313.964 27	7382.673 47	56.39288 97	256.9013 38	604.1175 84	199.8308 07	1117.242 62	1.601697 51	7.273031 11	17.15106 2	5.651944 66	31.67773 53	EnzymeReg
2.484488 11	11.24369 65	26.09576 44	8.716135 54	48.54008 46	376.8308 8	1709.453 58	3974.324 86	1321.918 66	7382.527 98	57.20973 71	258.8493 73	601.2611 92	200.7551 45	1118.075 45	1.622167 36	7.320876 31	17.09602 35	5.681812 78	31.72088	EnzymeReg
2.281352 83	10.73766 87	26.77764 66	8.527337 08	48.32400 52	354.9379 13	1664.936 12	4083.901 28	1279.528 03	7383.303 35	52.85658 02	248.4678 73	616.4835 25	195.8291 5	1113.637 13	1.513079 09	7.065898 88	17.38933 55	5.522639 1	31.49095 26	EnzymeReg
2.312679 14	10.81570 53	26.67249 08	8.556452 45	48.35732 77	358.3141 16	1671.801 34	4067.003 06	1286.065 26	7383.183 77	53.52789 8	250.0688 45	614.1360 28	196.5888 07	1114.321 58	1.529902 03	7.105219 97	17.34410 27	5.547185 91	31.52641 06	EnzymeReg
2.399568 64	11.03215 47	26.38082 11	8.637209 49	48.44975 39	367.6786 59	1690.843 33	4020.132 62	1304.197 51	7382.852 12	55.38992 64	254.5094 5	607.6247 96	198.6958 62	1116.220 03	1.576563 68	7.214284 55	17.21864 08	5.615271 2	31.62476 02	EnzymeReg
4.671438 07	16.94183 85	18.02051 08	8.989166 05	48.62295 34	731.8595 41	2564.053 26	2753.398 34	1405.284 58	7454.595 72	108.5588 5	390.3446 87	416.4215 61	208.7513 31	1124.076 43	3.133244 03	11.12241 65	11.87949 99	5.958204 59	32.09336 5	EnzymeReg

4.71741024	16.8288086	18.1893872	9.06406791	48.799674	734.721178	2540.6093	2766.74559	1408.5633	7450.63936	109.379536	387.433905	419.676744	210.079347	1126.56953	3.1442298	11.00992	11.9362746	5.97846767	32.068892	EnzymeReg
4.54630906	17.249488	17.5608558	8.78529501	48.141979	724.070614	2627.86405	2717.06922	1396.36042	7465.36431	106.325072	398.267379	407.561467	205.136681	1117.2906	3.1033425	11.42861	11.7249682	5.90305169	32.159976	EnzymeReg
4.69568625	16.8822205	18.1095853	9.02867333	48.716153	733.368922	2551.68766	2760.43839	1407.01395	7452.50892	108.991724	388.809385	418.138519	209.451798	1125.39143	3.1390385	11.0630798	11.9094459	5.96889242	32.080456	EnzymeReg
4.78043182	17.6597436	17.8544769	8.84716695	49.141893	725.61738	2680.07998	2644.9172	1308.55018	7359.16474	110.085357	406.709028	408.59112	202.324458	1127.70996	3.1278281	11.5210112	11.5072348	5.68631074	31.842389	EnzymeReg
4.55460793	17.2290839	17.5913412	8.79881625	48.173849	724.587195	2623.63196	2719.47866	1396.95229	7464.65011	106.473222	397.741926	408.149091	205.376414	1117.74065	3.1053265	11.4083063	11.7352171	5.90670957	32.155558	EnzymeReg
0.63383822	9.5079147	11.612389	24.294738	46.048802	102.05312	1453.68627	1723.40129	3589.90439	6869.04506	14.869297	219.695526	266.816079	556.76275	1058.14361	0.4289484	6.1598568	7.5023537	15.57857	29.669751	EnzymeReg
0.60696444	9.5407148	11.698667	24.223917	46.070265	97.726226	1458.32145	1737.10996	3576.10866	6869.26629	14.238816	220.419633	268.821185	554.97725	1058.45689	0.4107616	6.1774501	7.5594697	15.52826	29.675947	EnzymeReg
0.37170435	9.9068831	15.137584	20.485138	45.901312	53.907345	1485.57508	2231.74288	2964.64637	6735.87168	8.5273718	227.952091	347.300234	467.07707	1050.85677	0.2431418	6.3608918	9.7348179	13.03901	29.377875	EnzymeReg
0.19463599	10.085359	14.427668	21.504217	46.211872	28.227553	1522.46299	2143.60875	3107.49769	6801.79699	4.4651957	232.154649	331.48849	489.73954	1057.84788	0.1273162	6.4628046	9.3130657	13.68354	29.586730	EnzymeReg
0.00573113	10.275758	13.670298	22.591406	46.543194	0.8311712	1561.81672	2049.58322	3259.89804	6872.12915	0.1314794	236.63813	314.619795	513.91691	1065.30632	0.0037489	6.5715298	8.8631212	14.37115	29.809551	EnzymeReg
0.89318737	9.3812638	17.228351	17.483871	44.986674	129.53676	1376.93668	2491.30622	2543.93574	6541.7154	20.490864	215.575163	393.867314	400.333952	1030.26729	0.5842582	6.0607491	10.976918	11.14083	28.762767	EnzymeReg
0	11.458961	27.243017	8.25397416	46.955953	0	1655.18022	3976.00581	1205.60193	6836.78796	0	261.068868	622.14267	188.610725	1071.82226	0	7.3754871	17.539519	5.27938877	30.194395	EnzymeReg
0	11.423705	27.141667	8.50896891	47.074342	0	1659.40359	3983.7784	1251.73591	6894.9179	0	260.595863	620.732963	194.790472	1076.1193	0	7.3726501	17.533751	5.47674277	30.38315	EnzymeReg
0.07734647	11.557580	27.034452	8.75822546	47.427604	11.068873	1693.88857	3992.51367	1295.62349	6993.09461	1.7560249	264.14612	619.210352	200.762174	1085.87468	0.0496585	7.4848292	17.500559	5.65357593	30.688623	EnzymeReg
0	11.568436	27.557719	7.46218418	46.58834	0	1642.06616	3951.87099	1062.35035	6656.2875	0	262.537602	626.51998	169.421864	1058.47945	0	7.3842964	17.557410	4.66658084	29.608282	EnzymeReg
0	11.429157	27.157341	8.46953439	47.056033	0	1658.75045	3982.57638	1244.60134	6885.92817	0	260.669013	620.950973	193.83478	1075.45477	0	7.3730889	17.534648	5.44622217	30.353959	EnzymeReg
0.34027317	12.185812	27.167723	8.35323712	48.047046	48.695703	1790.37345	3984.03617	1218.24554	7041.35087	7.7253650	278.537588	620.957637	190.712907	1097.9335	0.2184647	7.8800965	17.416008	5.28547464	30.800042	EnzymeReg
7.32369892	8.0233730	11.534397	12.037748	38.919218	954.71824	1069.1769	1551.29133	1656.04176	5231.22821	163.28105	180.421637	259.56283	270.97816	874.24377	4.3129504	4.8853764	6.9822909	7.20523728	23.385851	EnzymeReg
7.33637337	8.0154299	11.461874	12.081447	38.895125	962.34223	1070.9468	1542.30962	1660.91859	5236.5173	164.38052	180.652132	258.04409	271.98133	875.05807	4.3388993	4.8904972	6.9392993	7.23301099	23.401707	EnzymeReg
7.27778386	7.9871833	11.459833	12.071962	38.796762	952.28997	1066.17704	1541.69791	1659.6632	5219.82812	162.42202	179.693822	257.88584	271.72446	871.72617	4.2635937	4.8537459	6.9312112	7.22423258	23.272783	EnzymeReg
7.43972402	8.0753201	11.517726	12.068356	39.101127	976.17167	1078.83212	1549.91536	1659.83515	5264.75431	167.35131	182.325956	259.43534	271.75588	880.86845	4.4648197	4.9573516	6.9856066	7.22996653	23.637745	EnzymeReg
7.34557236	8.0406134	11.569919	12.021449	38.977554	955.87505	1070.606	1555.86149	1654.31655	5236.65909	163.69029	180.768361	260.361726	270.622654	875.44303	4.3364634	4.9004448	7.0066248	7.19618812	23.439721	EnzymeReg
7.55815632	8.1439499	11.581728	12.053354	39.337189	992.01922	1087.86804	1558.63098	1658.59361	5297.11186	170.75561	184.244037	261.029596	271.49748	887.52672	4.6091152	5.0339618	7.0386713	7.22647781	23.908226	EnzymeReg
7.42252137	8.0814071	11.591788	12.022955	39.118672	967.64408	1076.67635	1559.06174	1654.75419	5258.13637	166.08476	182.020861	260.977962	270.710813	879.79447	4.4328262	4.9494563	7.0290137	7.20091259	23.612208	EnzymeReg
7.54820212	8.1381816	11.576349	12.054615	39.317348	990.68723	1087.10857	1557.89844	1658.69796	5294.39221	170.46948	184.082822	260.895598	271.51919	886.96710	4.5969872	5.0275228	7.0342112	7.22677103	23.885492	EnzymeReg
7.59056345	8.1672930	11.622935	12.035725	39.416517	994.58611	1090.1009	1563.97542	1656.75845	5305.42089	171.46770	184.761362	261.970129	271.11907	889.31827	4.6454626	5.0558439	7.0677203	7.21712104	23.986148	EnzymeReg
7.40303799	8.0714492	11.588174	12.021474	39.084139	964.52033	1075.11986	1558.49203	1654.52181	5252.65404	165.46064	181.703117	260.862927	270.663477	878.69016	4.4081723	4.9371213	7.0245260	7.19903333	23.56885	EnzymeReg
7.43020292	8.0698027	11.512581	12.069562	39.082148	974.89762	1078.10568	1549.21467	1659.93496	5262.15295	167.07762	182.171753	259.307164	271.77663	880.33317	4.4532191	4.9511926	6.9813405	7.23024701	23.615993	EnzymeReg
7.419235	8.0634469	11.506653	12.070951	39.060287	973.42999	1077.26887	1548.40753	1660.04994	5259.15634	166.76232	181.994121	259.159521	271.80058	879.71652	4.4398565	4.9440978	6.9764624	7.23057001	23.590950	EnzymeReg
3.04297382	20.628553	23.740172	3.49809129	51.104975	495.64857	3274.15913	3729.47485	534.99444	8061.2288	71.337580	479.953632	550.082819	80.565254	1186.3803	2.0770943	13.691650	15.527423	2.24483198	33.662339	EnzymeReg
3.00886821	20.692061	23.785881	3.07304886	50.839865	484.35068	3253.23694	3730.35147	463.54283	7970.14655	70.386443	480.341664	550.76668	70.512071	1178.378	2.0589359	13.724182	15.531002	1.95055393	33.438748	EnzymeReg

3.12937581	20.5216422	23.5818443	4.47043929	51.7033016	522.165454	3325.74416	3718.52502	698.690341	8265.12497	73.6873039	479.873838	547.255973	103.583135	1204.40025	2.12371331	13.641261	15.4826331	2.91915318	34.1667606	EnzymeReg
3.39145261	21.8190998	21.8237787	4.28205063	51.3163818	539.362881	3439.59505	3423.06088	674.947001	8076.96581	79.0162533	506.768065	505.802631	99.7797403	1191.36669	2.28362938	14.4505751	14.2734376	2.82564436	33.8332864	EnzymeReg
3.46143799	22.1655748	21.3543022	4.23174303	51.2130581	543.955308	3469.99796	3344.15969	668.606544	8026.7195	80.4393041	513.94994	494.732868	98.7640759	1187.88619	2.3263336	14.6666955	13.9505321	2.80067363	33.7442349	EnzymeReg
3.48526985	22.2835586	21.1944332	4.21461198	51.1778737	545.51915	3480.35095	3317.29177	666.447452	8009.60932	80.9238902	516.395557	490.963324	98.4182155	1186.70099	2.34087551	14.7402902	13.8405744	2.79217044	33.7139105	EnzymeReg
3.60790155	22.0311166	16.745778	6.31049033	48.6952864	549.261037	3309.09985	2519.98041	950.675145	7329.01644	83.1570697	506.025473	384.153793	144.969904	1118.30624	2.36259331	14.2896974	10.773232	4.0549023	31.4804859	EnzymeReg
4.48276584	21.4981124	17.2507945	5.45961133	48.691284	672.393684	3143.07548	2530.33959	776.690333	7122.49909	102.96523	491.667287	394.213833	124.082739	1112.92909	2.94378955	13.940045	11.066502	3.46409737	31.4144838	EnzymeReg
3.59482955	21.9776233	17.2585905	5.59373212	48.4247754	538.966251	3297.46846	2562.72335	827.242859	7226.40092	82.7111883	504.966387	395.754752	128.021806	1111.45413	2.37308434	14.2552685	11.146329	3.57568548	31.350368	EnzymeReg
4.57859439	21.4397296	17.3061116	5.36641002	48.6908456	685.881059	3124.88995	2531.47428	757.632849	7099.87814	105.13492	490.094558	395.315763	121.79485	1112.34011	3.00745109	13.901800	11.098619	3.39938335	31.4072542	EnzymeReg
3.58257315	22.0023598	17.1052951	5.81063337	48.5008617	539.617073	3303.75986	2550.52399	865.095178	7258.99609	82.4758125	505.525424	392.311716	133.164526	1113.47748	2.35955385	14.2713086	11.036167	3.72110251	31.3881328	EnzymeReg
3.56198341	22.0439154	16.8477707	6.17501141	48.6286809	540.710404	3314.32892	2530.03	928.684176	7313.7535	82.0803992	506.464564	386.527679	141.8039	1116.87654	2.33682366	14.2982547	10.851104	3.96539199	31.4515748	EnzymeReg
6.73085785	30.5364892	8.58178305	2.48809548	48.3372256	1000.83888	4651.30028	1294.29225	336.849002	7283.28041	154.48293	701.546551	197.310855	56.075721	1109.41607	4.42207153	19.490631	5.4757774	1.56396636	30.9524464	EnzymeReg
7.17392506	29.3065773	8.85373013	2.27641348	47.610646	1065.96929	4462.70834	1370.45144	333.406113	7232.53519	164.14574	673.57407	204.383254	52.034125	1094.13719	4.61750962	18.860138	5.7416094	1.46699377	30.6862509	EnzymeReg
6.99590961	29.6115495	8.4047861	2.7373278	47.749573	1036.06773	4480.17573	1287.06199	402.966035	7206.27149	160.02899	680.044126	193.605027	62.599036	1096.27718	4.51646396	19.111430	5.4498268	1.76365662	30.8413774	EnzymeReg
6.90911397	30.1293424	8.84861674	2.22873876	48.115818	1028.7726	4602.44652	1349.39814	303.867812	7284.48507	158.47915	692.502614	203.834448	50.306005	1105.12222	4.51113872	19.237909	5.6684537	1.40552204	30.8230236	EnzymeReg
6.80884047	30.3583726	8.69851615	2.37463337	48.2403626	1013.05918	4629.92797	1318.39971	322.420552	7283.80742	156.23118	697.590053	200.164765	53.551613	1107.53762	4.46103621	19.380071	5.5600683	1.49465091	30.8958271	EnzymeReg
6.91468433	29.7507029	8.19994093	2.94763481	47.812963	1022.42418	4488.14579	1249.01288	434.70499	7194.28783	158.15058	682.996298	188.687114	67.419618	1097.25362	4.47035862	19.226090	5.3166915	1.89901866	30.9121589	EnzymeReg
2.497472	14.1079831	24.5912099	8.30124296	49.4979079	402.227826	2189.63556	3800.19082	1300.37391	7692.42811	58.42667	326.965336	568.326023	192.264858	1145.98289	1.69120388	9.3820749	16.129645	5.41171511	32.614639	EnzymeReg
2.63468662	15.1789497	24.4311078	7.01777327	49.2625174	420.734592	2373.94674	3744.16654	1066.26943	7605.1173	61.53359	352.220815	563.929866	161.54082	1139.22509	1.76912084	10.054309	15.905284	4.50980002	32.2385148	EnzymeReg
2.70242519	14.6904007	24.5278665	7.37956279	49.3002551	440.404041	2298.66971	3747.12214	1124.80083	7610.99672	63.398481	340.586964	565.442212	170.041018	1139.46867	1.83186652	9.7174591	15.944057	4.74686158	32.2402445	EnzymeReg
2.58537535	15.3339776	24.3953407	6.95071197	49.2654056	408.493255	2395.95546	3748.05236	1057.99626	7610.49734	60.241319	355.936603	563.555199	160.020629	1139.75375	1.72823227	10.167644	15.906549	4.47178994	32.274216	EnzymeReg
2.66945664	14.5967136	24.5380558	7.52782324	49.3320493	434.263057	2281.1306	3755.65871	1153.04332	7624.09569	62.598722	338.395804	565.906099	173.61592	1140.51654	1.80923967	9.6635064	15.973910	4.85380918	32.3004692	EnzymeReg
2.54757326	14.2503563	24.5757254	8.07593621	49.4495912	411.560086	2216.2892	3787.21807	1257.45468	7672.52203	59.642045	330.295173	567.621069	186.832191	1144.39048	1.72558911	9.4640603	16.084277	5.24919019	32.5231174	EnzymeReg
1.19103428	8.8900078	25.1461572	12.7698625	47.9970618	181.868434	1315.67562	3721.24443	1876.87113	7095.65961	27.485594	203.380472	574.902672	291.348858	1097.1176	0.79447262	5.7483150	16.117036	8.09526722	30.7550916	EnzymeReg
1.02472118	7.0668966	26.6071014	12.6088583	47.3075775	150.503794	1051.8714	3973.00471	1881.0631	7056.443	23.450051	162.067977	610.492071	289.269441	1085.27954	0.66662745	4.5769743	17.266882	8.16082544	30.6713093	EnzymeReg
1.48669661	6.3012954	26.8165336	12.5360994	47.1406281	219.216617	942.138647	4018.58783	1875.12433	7055.06742	34.049419	144.575968	615.636167	287.884298	1082.14585	0.96926868	4.0996252	17.450876	8.15278338	30.6725542	EnzymeReg
0.66912878	8.3861640	25.9115342	12.7299723	47.6967994	99.9196939	1241.82996	3844.64471	1884.91985	7071.31422	15.367975	192.091263	593.509897	291.232303	1092.20144	0.44025115	5.4115798	16.702285	8.14521988	30.699336	EnzymeReg
1.7973512	5.7864766	26.9573636	12.4871736	47.028365	265.42169	868.350237	4049.23962	1871.13088	7054.14242	41.176831	132.813686	619.095249	286.952876	1080.03864	1.17277593	3.7786379	17.574601	8.14737633	30.6733912	EnzymeReg
1.31498145	6.5858707	26.7386873	12.563144	47.2026835	193.675945	982.926497	4001.64451	1877.33178	7055.57872	30.109616	151.077777	613.724097	288.399158	1083.31065	0.85677644	4.2770567	17.382485	8.15577288	30.6720914	EnzymeReg
5.3977795	20.9020929	17.2375755	4.18001993	47.7174673	834.00528	3199.75762	2610.43101	629.921268	7274.11517	124.82621	482.279999	396.724233	96.133441	1099.96389	3.58823941	13.721518	11.117405	2.65595532	31.0831189	EnzymeReg
5.09470402	21.2225113	16.8349296	4.64100236	47.7931473	768.096518	3181.49065	2546.17126	689.139792	7184.89822	117.22872	487.695284	387.537179	106.235046	1098.69624	3.37855451	13.881002	10.881757	2.9253799	31.0666944	EnzymeReg
5.6512307	20.6341384	17.5742929	3.79451678	47.6541788	889.122425	3215.03363	2664.16914	580.39893	7348.72413	131.17972	477.75139	404.407039	87.685838	1101.02399	3.76359142	13.588147	11.314470	2.43064516	31.0968541	EnzymeReg

5.701861 61	21.25179 78	17.65645 5	3.292010 74	47.90212 52	873.1906 66	3217.840 84	2620.662 92	497.2792 9	7208.973 72	131.6333 38	488.8024 08	404.2121 49	75.70145 69	1100.349 35	3.781019 5	13.83796 44	11.26208 75	2.090648 04	30.97171 94	EnzymeReg
5.604805 14	20.68322 06	17.51261 51	3.865130 76	47.66577 16	879.0264 23	3212.235 47	2654.325 74	589.4701 12	7335.057 74	130.0159 28	478.5809 11	402.9997 52	89.23321 69	1100.829 81	3.731471 57	13.61257 74	11.27837 32	2.471916 02	31.09433 82	EnzymeReg
5.485222 27	20.80964 64	17.35374 55	4.047018 13	47.69563 22	853.0211 54	3205.027 97	2628.971 11	612.8356 48	7299.855 88	127.0182 28	480.7175 91	399.3748 65	93.21895 12	1100.329 64	3.648737 32	13.67550 42	11.18539 47	2.578221 44	31.08785 77	EnzymeReg
2.791658 75	18.11647 19	20.54458 88	7.078341 19	48.53106 07	420.8923 74	2750.684 82	3058.039 33	1051.159 3	7280.775 82	64.15581 97	416.3436 65	470.3134 78	161.8825 08	1112.695 47	1.817055 52	11.72430 39	13.23545 33	4.514550 7	31.29136 34	EnzymeReg
2.921701 59	17.44761 98	20.83613 76	7.036985 52	48.24244 45	451.3047 96	2669.439 45	3106.397	1073.151 38	7300.292 62	67.47182 34	402.2308 56	477.3658 32	162.0491 67	1109.117 68	1.907029 16	11.39445 22	13.43248 73	4.530576 36	31.26454 5	EnzymeReg
2.779950 29	17.84026 03	20.59083 18	7.315334 1	48.52637 64	419.2497	2716.585 63	3040.819 85	1085.459 89	7262.115 07	63.84095 84	410.1442 75	470.5182 39	167.2900 56	1111.793 53	1.796270 43	11.52174 8	13.22557 44	4.664969 81	31.20856 27	EnzymeReg
2.784485 64	18.08148 1	20.54399 64	7.130464 39	48.54042 74	419.4489 15	2746.317 43	3052.622 99	1057.698 21	7276.087 55	63.96942 68	415.5260 18	470.1038 94	163.0319 37	1112.631 28	1.809382 4	11.69287 33	13.22626 47	4.546114 67	31.27463 5	EnzymeReg
2.807389 39	18.19320 7	20.54588 79	6.964034 94	48.51051 93	424.0578 83	2760.262 5	3069.917 38	1036.819 45	7291.057 21	64.56457 96	418.1367 65	470.7730 95	159.3618 09	1112.836 25	1.833882 69	11.79323 13	13.25560 4	4.445330 89	31.32804 89	EnzymeReg
2.769432	17.86939 52	20.57262 95	7.335988 24	48.54744 49	416.8711 34	2720.083 99	3035.953 87	1086.373 21	7259.282 2	63.57153 94	410.7314 7	470.0101 31	167.6789 42	1111.992 08	1.788051 87	11.53119 37	13.21022 1	4.674942 13	31.20440 87	EnzymeReg
0.011681 64	9.321505 74	19.46106 56	20.79496 47	49.58921 77	1.681508 68	1389.844 93	2955.885 87	3111.717 73	7459.130 04	0.264830 64	214.3387 48	448.4922 92	478.0114 1	1141.107 28	0.007262 04	5.964386 66	12.46183 94	13.21101 45	31.64450 25	EnzymeReg
0.909185 33	9.513537 19	19.96462 45	18.45224 47	48.83959 17	135.5911 86	1430.037 34	3016.737 5	2751.434 18	7333.800 2	20.88210 92	219.0693 36	459.2824 48	423.5594 31	1122.793 32	0.596754 02	6.182546 6	12.85794 41	11.77452 38	31.41176 85	EnzymeReg
0.168716 98	8.170407 39	20.57327 6	19.79607 47	48.70847 51	24.28588 29	1247.068 72	3119.806 54	2938.099 57	7329.260 72	3.824925 83	188.3208 71	473.1018 88	453.1075 9	1118.355 27	0.104885 06	5.293695 48	13.25525 31	12.64293 01	31.29676 37	EnzymeReg
0.116379 96	8.554047 48	20.20259 66	20.12898 65	49.00201 05	16.75225 71	1294.653 43	3065.174 77	2995.963 34	7372.543 79	2.638411 01	196.9921 55	464.8999 58	461.4075 79	1125.938 1	0.072349 09	5.517224 62	12.99082 28	12.83226 22	31.41265 87	EnzymeReg
0.131739 24	8.441461 07	20.31137 95	20.03128 72	48.91586 7	18.96314 14	1280.688 8	3081.207 49	2978.982 13	7359.841 56	2.986616 12	194.4474 04	467.3069 69	458.9717 91	1123.712 78	0.081897 38	5.451625 78	13.06842 48	12.77669 91	31.37864 72	EnzymeReg
0.145521	8.340438 21	20.40898 94	19.94362 25	48.83857 11	20.94694 99	1268.158 46	3095.593 52	2963.745 03	7348.443 95	3.299057 73	192.1640 19	469.4667 6	456.7861 78	1121.716 01	0.090464 98	5.392764 49	13.13805 65	12.72684 28	31.34812 89	EnzymeReg
1.290757 02	14.51606 55	23.20796 34	10.43503 82	49.44982 41	204.5087 1	2258.988 72	3492.863 48	1505.582 76	7461.943 67	29.99226 31	335.6409 93	532.7437 35	237.2984 2	1135.675 41	0.862425 7	9.489045 56	14.98586 38	6.545054 21	31.88238 92	EnzymeReg
1.108381 4	13.97125 19	23.28607 6	10.84998 64	49.21569 56	173.1053 35	2122.468 31	3468.471 94	1575.135 17	7339.180 75	25.73227 14	321.7838 55	533.9149 78	247.7461 99	1129.177 3	0.744990 35	9.113690 17	15.03318 18	6.901735 57	31.79359 79	EnzymeReg
1.078152 6	13.88094 89	23.29902 32	10.91876 41	49.17688 88	167.9002 19	2099.840 02	3464.429 03	1586.663 5	7318.832 77	25.02617 67	319.4870 31	534.1091 11	249.4779 2	1128.100 24	0.725525 42	9.051474 92	15.04102 48	6.960855 6	31.77888 07	EnzymeReg
1.421707	14.82212 61	23.26679 17	9.975746 29	49.55398 85	226.3482 81	2314.974 26	3505.463 97	1458.836 7	7516.293 83	33.07980 63	343.1036 31	534.3288 46	227.4672 25	1139.566 02	0.952436 74	9.721364 45	15.05258 9	6.293391 76	32.06578 01	EnzymeReg
1.550596 97	14.96468 89	23.53890 12	9.222917 32	49.53731 75	246.5230 78	2291.715 91	3508.707 8	1418.780 15	7506.790 84	36.17240 58	345.8127 84	540.4113 61	213.4484 97	1141.950 45	1.051637 66	9.880695 37	15.30597 52	6.053970 49	32.46929 4	EnzymeReg
1.319369 42	14.60153 97	23.19570 85	10.36993 81	49.48655 58	209.4354 96	2280.407 02	3496.690 2	1494.670 88	7481.203 6	30.66060 12	337.815	532.5599 82	235.6592 98	1136.694 88	0.880849 8	9.547934 01	14.97844 02	6.489095 48	31.89631 95	EnzymeReg
6.641843 34	23.89298 86	16.58803 95	2.262068 28	49.38493 96	1047.043 84	3659.517 69	2496.448 88	341.3534 52	7544.363 86	154.0777 17	551.0280 63	381.3025 71	52.10895 77	1138.517 31	4.397460 48	15.68144 87	10.77147 32	1.477250 5	32.32763 29	EnzymeReg
5.744848 26	24.83271 98	17.12078 8	1.799502 44	49.49785 86	908.3394 68	3829.707 37	2626.769 88	262.9248 45	7627.741 56	133.4982 78	573.6268 2	394.8819 48	40.91738 15	1142.924 43	3.798467 57	16.27060 25	11.17802 74	1.108547 89	32.35564 54	EnzymeReg
6.640294 45	23.89789 3	16.58775 7	2.259494 71	49.38543 92	1046.823 91	3660.112 57	2496.435 21	340.9340 69	7544.305 75	154.0428 68	551.1360 93	381.2968 56	52.04810 01	1138.523 92	4.396482 28	15.68438 79	10.77139 68	1.475403 37	32.32767 04	EnzymeReg
6.352135 44	24.81032 53	16.53521 47	1.780701 71	49.47837 71	1005.905 99	3770.785 9	2493.892 26	262.9110 18	7533.495 17	147.5595 27	571.2343 78	380.2337 01	40.72600 09	1139.753 61	4.214495 71	16.23120 03	10.75719 5	1.131758 07	32.33464 9	EnzymeReg
6.702523 69	23.70084 91	16.59910 38	2.362892 23	49.36536 88	1055.660 31	3636.212 16	2496.984 37	357.7835	7546.640 35	155.4429 75	546.7957 78	381.5264 5	54.49315 88	1138.258 36	4.435783 1	15.56630 13	10.77446 38	1.549615 13	32.32616 33	EnzymeReg
5.833752 53	25.11159 38	16.93168 93	1.644156 67	49.52119 23	924.3053 12	3846.960 95	2586.794 55	238.5093 2	7596.570 13	135.6158 4	579.2096 43	390.2301 97	37.31855 22	1142.374 23	3.864196 74	16.43006 84	11.04949 92	1.007873 58	32.35163 79	EnzymeReg
6.686333 65	30.40314 63	8.093115 24	3.019850 1	48.20244 53	989.2232 22	4591.064 78	1214.941 66	429.7894 05	7225.019 07	153.1935 17	697.8808 69	185.8209 05	68.62523 44	1105.520 53	4.371842 63	19.55123 66	5.197836 51	1.923709 35	31.04462 51	EnzymeReg
5.980010 98	31.00885 8	9.472973	1.836110 03	48.29795 2	921.2525 44	4808.022 76	1440.596 08	253.7653 19	7423.636 71	138.0049 84	717.0133 28	217.7227 39	41.17889 38	1113.919 94	3.928214 34	20.32368 93	6.068110 85	1.086617 21	31.40663 17	EnzymeReg
5.909703	31.02321 62	9.604868 57	1.733121 03	48.27090 88	914.7155 95	4821.518 57	1463.393 32	240.6482 42	7440.275 73	136.4705 47	717.9176 11	220.7854 08	38.84157 45	1114.015 14	3.879116 99	20.39613 1	6.157327 72	1.014398 2	31.44697 39	EnzymeReg
6.685228 68	30.40805 57	8.095744 5	3.016718 23	48.20574 71	989.0971 46	4592.102 83	1215.265 75	429.1341 56	7225.599 88	153.1717 02	697.9970 62	185.8805 46	68.54825 45	1105.597 57	4.371574 53	19.55282 87	5.198974 67	1.921441 96	31.04481 99	EnzymeReg

6.592213 32	30.82132 08	8.317074 49	2.753078 44	48.48368 71	978.4841 49	4679.484 88	1242.547 01	373.9756 49	7274.491 69	151.3352 95	707.7781 72	190.9011 37	62.06812 99	1112.082 73	4.349005 96	19.68685 32	5.294783 99	1.730573 93	31.06121 71	EnzymeReg
6.728466 15	30.21595 26	7.992860 98	3.139269 13	48.07654 88	994.0305 16	4551.483 95	1202.584 26	454.7741 6	7202.872 9	154.0253 42	693.4503 89	183.5467 64	71.56049 01	1102.582 98	4.382065 35	19.49052 84	5.154438 45	2.010165 48	31.03719 77	EnzymeReg
10.60798 77	24.42971 24	8.489100 01	5.305490 55	48.83229 06	1643.555 44	3869.957 67	1370.062 64	771.9325 22	7655.508 27	246.0696 52	569.0365 81	197.9606 24	121.5578 29	1134.624 69	7.077133 42	16.35285 98	5.617037 96	3.312791 58	32.35982 28	EnzymeReg
10.47721 24	24.28214 93	8.879362 15	5.297299 85	48.93602 37	1617.068 66	3829.504 19	1419.903 63	779.7915 77	7646.268 06	242.6797 82	564.7224 87	206.5727 44	121.6241 42	1135.599 15	6.963452 09	16.18010 23	5.847148 99	3.334285 55	32.32498 89	EnzymeReg
9.912454 22	23.64489 26	10.56472 41	5.261928 02	49.38399 9	1502.684 47	3654.804 29	1635.143 89	813.7312 07	7606.363 86	228.0404 99	546.0919 05	243.7645 14	121.9105 16	1139.807 43	6.472514 93	15.43404 2	6.840892 28	3.427108 05	32.17455 72	EnzymeReg
10.97529 8	24.04749 96	9.497611 3	4.376526 67	48.89693 56	1712.348 86	3790.021 2	1499.115 18	644.4740 08	7645.959 25	255.0509 48	559.5507 91	220.4989 58	100.3553 54	1135.456 05	7.325800 89	16.00856 64	6.236491 24	2.760752 07	32.33161 06	EnzymeReg
10.07822 64	23.83194 52	10.07002 35	5.272310 64	49.25250 58	1536.259 41	3706.083 57	1571.964 89	803.7689 82	7618.076 85	232.3375 36	551.5604 99	232.8476 96	121.8264 57	1138.572 19	6.616618 64	15.65303 14	6.549201	3.399862 06	32.21871 31	EnzymeReg
11.15851 58	23.82269 99	10.09087 9	3.872345 97	48.94444 06	1746.423 6	3741.851 51	1575.019 9	576.3793 45	7639.674 36	259.5077 61	553.8932 13	233.7441 92	88.87853 08	1136.023 7	7.446811 03	15.80127 33	6.599735 82	2.464314 89	32.31213 51	EnzymeReg
6.122348 6	30.97979	9.205952 1	2.044609 94	48.35270 06	934.4865 15	4780.700 68	1394.443 36	280.3206 72	7389.951 23	141.1114 31	715.1826 18	211.5224 05	45.91076 7	1113.727 22	4.027611 32	20.17703 21	5.887492 43	1.232823 67	31.32495 95	EnzymeReg
6.219171 8	30.64299 62	8.986655 29	2.288868 42	48.13769 17	945.0685 86	4706.210 17	1365.363 37	328.7824 83	7345.424 62	143.0688 75	707.0345 41	206.5257 52	51.85368 63	1108.482 86	4.061143 58	20.04656 59	5.782497 25	1.408926 18	31.29913 29	EnzymeReg
6.276860 14	30.94823 58	8.916093 31	2.270942 53	48.41213 18	948.8523 66	4751.041 78	1344.343 27	309.1472 64	7353.384 68	144.4835 68	713.1953 31	204.7917 65	51.04734 99	1113.518 01	4.135509 56	20.01783 14	5.691426	1.391534 94	31.23630 19	EnzymeReg
6.024942 52	30.99968 22	9.388682 84	1.901926 94	48.31523 45	925.4300 96	4799.398 03	1426.027 11	262.1480 15	7413.003 25	138.9855 92	716.4354 3	215.7654 87	42.67259 84	1113.859 11	3.959590 87	20.27739 42	6.011095 26	1.132770 02	31.38085 03	EnzymeReg
6.106474 43	30.77615 15	9.211155 81	2.088200 01	48.18198 18	934.0415 7	4747.265 45	1401.101 09	297.1960 52	7379.604 16	140.6633 97	710.8822 06	211.7055 64	47.16074 84	1110.411 92	3.994285 53	20.17335 09	5.919296 09	1.266536 45	31.35346 9	EnzymeReg
6.243515 55	30.61423 33	8.938160 95	2.332214 79	48.12812 46	947.4505 31	4697.341 83	1357.643 67	335.6054 66	7338.041 5	143.5884 83	706.2034 07	205.4068 62	52.86740 75	1108.066 16	4.075585 59	20.01917 91	5.752947 34	1.439683 77	31.28739 58	EnzymeReg
2.074325 47	11.27813 43	26.70862 01	8.001674 06	48.06275 4	324.7319 88	1769.160 83	4095.484 69	1193.527 36	7382.904 87	48.10965 55	261.7381 7	615.4441 62	183.4260 36	1108.718 02	1.375813 88	7.470387 77	17.33172 23	5.136845 53	31.31476 95	EnzymeReg
2.227493 76	10.60350 1	26.95844 01	8.477279 26	48.26671 41	349.1332 36	1653.132 81	4112.954 26	1268.288 63	7383.508 93	51.70238 89	245.7153 33	620.5195 58	194.5230 77	1112.460 36	1.484155 54	6.998294 44	17.46710 4	5.480435 97	31.42998 99	EnzymeReg
2.244722 95	10.64642 04	26.90060 54	8.493292 45	48.28504 12	350.9901 17	1656.908 62	4103.660 39	1271.884 04	7383.443 16	52.07160 76	246.5958 54	619.2284 56	194.9408 81	1112.836 8	1.493408 01	7.019920 69	17.44222 63	5.493936 49	31.44949 15	EnzymeReg
2.374574 56	10.96989 22	26.46472 1	8.613979 43	48.42316 72	364.9849 14	1685.365 83	4033.615 07	1298.981 7	7382.947 52	54.85430 71	253.2320 94	609.4977 76	198.0897 6	1115.673 94	1.563141 28	7.182911 72	17.25473 04	5.595686 21	31.59646 96	EnzymeReg
2.088864 52	11.14469 69	26.78253 26	8.068716 41	48.08481 04	327.5668 68	1748.317 65	4103.719 79	1203.436	7383.040 31	48.47107 82	258.6500 73	617.0136 13	184.9644 93	1109.099 26	1.387812	7.381922 63	17.36800 08	5.184150 13	31.32188 56	EnzymeReg
2.447718 14	11.15209 93	26.21919 34	8.681960 72	48.50097 16	372.8679 86	1701.395 38	3994.159 53	1314.245 44	7382.668 33	56.42176 26	256.9701 95	604.0166 2	199.8634 79	1117.272 06	1.602421 06	7.274722 29	17.14911 66	5.653000 4	31.67926 03	EnzymeReg
2.295105 42	15.61069 55	22.77225 28	5.314474 79	46.37801 32	348.4560 82	2389.002 62	3416.306 27	812.6627 31	7026.532 41	53.12041 11	361.4455 64	523.4960 24	121.7962 85	1068.675 32	1.471925 55	10.07781 52	14.42224 94	3.307933 71	29.51233 79	EnzymeReg
2.444201 08	16.06633 17	21.13912 24	6.453394 19	46.24123 21	374.6116 7	2478.576 85	3199.951 41	978.0921 33	7052.777 5	56.55496 87	372.2025 98	488.1394 9	148.6638 14	1068.721 47	1.592979 23	10.43852 24	13.69232 6	4.119046 82	29.92618 67	EnzymeReg
2.433456 49	15.79414 73	22.88918 25	5.001709 42	46.46852 26	368.7879 5	2412.048 75	3433.929 79	760.3853 34	7029.727 97	56.30045 72	365.4680 7	526.0134 2	114.4546 93	1070.242 67	1.569536 03	10.21893 45	14.51085 93	3.105027 75	29.61539 36	EnzymeReg
2.457866 2	16.10809 23	20.98944 05	6.557779 97	46.22869 57	377.0089 17	2486.786 62	3180.121 77	993.2542 91	7055.182 95	56.86975 74	373.1885 16	484.8989 46	151.1263 13	1068.725 7	1.604074 21	10.47158 24	13.62542 61	4.193388 05	29.96411 73	EnzymeReg
2.869215 49	16.43715 68	22.81281 5	4.389684 93	46.69436 8	433.8993 77	2501.000 09	3429.949 48	651.7849 81	7045.556 39	66.31843 17	379.7609 16	524.3195 94	100.1222 84	1074.764	1.880985 55	10.71614 71	14.58131 13	2.726238 31	30.01652 02	EnzymeReg
3.074384 21	16.73990 55	22.77685 88	4.101525	46.80070 29	464.5558 38	2542.881 11	3428.075 43	600.6525 98	7053.008 9	71.03520 19	386.4904 27	523.5220 89	93.37414 58	1076.892 78	2.027625 55	10.95025 01	14.61448 23	2.547892 6	30.20538 29	EnzymeReg
2.147717 65	13.62078 34	24.81492	8.643085 48	49.22650 65	340.5631 18	2113.937 66	3852.025 98	1338.254 62	7644.781 37	50.10933 39	315.9114 28	574.6804 41	199.9495 2	1140.650 72	1.452567 65	9.069094 18	16.37378 83	5.656134 09	32.55158 42	EnzymeReg
2.283806 97	13.95782 78	24.69728 59	8.581574 38	49.52049 51	362.7006 55	2150.217 05	3815.397 7	1352.502 11	7680.817 51	53.28454 8	323.1643 6	570.8255 84	198.9215 21	1146.196 01	1.543084 97	9.273489 13	16.19423 18	5.600316 74	32.61112 26	EnzymeReg
2.420617 89	13.89018 17	24.61509 85	8.645410 69	49.57130 88	387.9164 63	2148.879 29	3820.045 19	1365.903 21	7722.744 15	56.56252 73	321.8717 81	569.4090 91	200.5628 82	1148.406 28	1.638459 22	9.256616 26	16.19915 22	5.659977 77	32.75420 55	EnzymeReg
2.321804 82	13.93917 17	24.67444 75	8.599263 49	49.53468 75	369.7031 29	2149.857 76	3816.675 04	1356.224 43	7692.460 36	54.19494 56	322.8081 44	570.4313 69	199.3765 25	1146.810 98	1.569572 78	9.268875	16.19553 82	5.616849 42	32.65083 54	EnzymeReg
2.243668 54	13.71550 3	24.74466 34	8.643903 02	49.34773 79	357.2124 08	2126.223 03	3840.781 63	1347.975 78	7672.192 85	52.37825 68	318.0070 7	572.8270 5	200.1651 76	1143.377 55	1.517926 56	9.135026 37	16.31238 68	5.657485 51	32.62282 52	EnzymeReg

1.81146995	14.1897356	24.9811818	8.36168758	49.344075	275.655512	2154.68314	3799.51959	1306.23134	7536.08958	41.9677353	327.592346	575.725914	193.265543	1138.55154	1.21382489	9.33084563	16.1779918	5.39480512	32.1174674	EnzymeReg
2.28540393	25.8877843	9.36216296	8.15668929	45.692040 5	340.503317	3864.74182	1407.795 5	1261.47787	6874.51851	52.9225931	596.592679	215.653917	187.938623	1053.10781	1.45593821	16.4129624	5.96883702	5.18874299	29.0264806	EnzymeReg
2.29771262	24.4053772	10.7415255	7.75912432	45.203739 7	340.933628	3663.76313	1617.014 1	1173.46182	6795.17268	53.1119384	563.449045	247.744914	178.363843	1042.66974	1.44853235	15.4691027	6.86141154	4.96672946	28.745776	EnzymeReg
0.2700117	25.4418907	14.0988482	5.24477996	45.827814 3	39.900456 9	3842.59206	2038.20796	730.61585 05	6757.32503	6.23019281	583.743074	320.854675	118.591367	1046.91825	0.16844274	16.3593966	8.91349389	3.28585789	29.1959312	EnzymeReg
0.8538293 3	24.7195012	13.534225	5.85014407	45.508973 1	126.172977	3733.69209	1977.76148	832.06927 1	6745.36724	19.701077	568.416186	309.149169	132.946932	1042.7045	0.53264858	15.8335283	8.58259062	3.703121	28.9864857	EnzymeReg
1.0409794 9	24.4879301	13.3532279	6.04420123	45.406764 6	153.828729	3698.78282	1958.38459	864.59146 8	6741.53402	24.01934	563.502957	305.39682	137.54879	1041.35373	0.64939939	15.6649545	8.47651538	3.83687999	28.9193452	EnzymeReg
0.7723158 1	24.8203623	13.6130586	5.76562 2	45.553490 2	114.12747 4	3748.89687	1986.20111	817.90418 1	6747.03681	17.820251 3	570.55615	310.78351	130.942586	1043.29283	0.48179 76	15.9069508	8.62879185	3.64486208	29.0157288	EnzymeReg
1.4847017 7	14.8918034	23.3997848	9.60780228	49.545840 6	236.208682	2303.60677	3507.04939	1439.25912	7511.64926	34.5913096	344.427726	537.301666	220.615593	1140.73141	1.00092104	9.7992372	15.1764311	6.17637498	32.2629969	EnzymeReg
1.4070061 7	14.8058657	23.2357557	10.06161 19	49.555889 9	224.0472	2317.627 04	3505.09399	1463.40544	7517.37772	32.7270731	342.794633	533.635091	229.066162	1139.29406	0.94112216	9.7031916 1	15.0236885	6.32069948	32.0197564	EnzymeReg
1.6203231 8	14.8220375	23.8962452	8.91859 88	49.490591	254.729184	2258.58659	3571.878	1387.69053	7509.7147	37.745287	342.346678	549.044547	206.86401	1141.47649	1.09742 05	9.7869241 9	15.5330718	5.87203697	32.4482192	EnzymeReg
1.7250119 5	14.4217688	24.6107022	8.54885158	49.388506 3	264.757153	2191.44754	3718.725 5	1333.03554	7520.93332	40.022063 6	332.966777	566.530449	197.824015	1139.27133	1.15948586	9.4937521 7	15.9502639	5.55449793	32.2138995	EnzymeReg
1.7265008 1	14.4160754	24.6208629	8.54359309	49.387054 5	264.899769	2190.4927	3720.813 95	1332.25825	7521.09286	40.054443 6	332.833377	566.779131	197.69545	1139.23997	1.16036854	9.4895827 1	15.9561971	5.54998194	32.210567	EnzymeReg
1.5236670 3	14.9349022	23.4820474	9.38021145	49.540800 7	242.307808	2296.57545	3508.030 04	1427.14946	7508.77637	35.526246 1	345.246741	539.140496	216.377534	1141.45226	1.03091088	9.8474051 8	15.2530334	6.10399455	32.3849849	EnzymeReg
3.9659468 2	16.7314672	22.2540467	8.41376654	51.365227 2	639.127539	2701.27823	3492.082 64	1290.44598	8122.93439	93.214718 5	391.989589	516.182997	193.293711	1194.68102	2.74722804	11.451517 4	14.7683563	5.36983206	34.3369338	EnzymeReg
4.0870105 3	18.7592964	23.4097076	5.47223039	51.728249	713.187849	3132.99684	3713.182 61	854.86357	8414.23086	97.510143	442.301856	544.396864	126.448434	1210.6573	2.86062879	12.764052 9	15.5013513	3.56444706	34.69048	EnzymeReg
3.9586749 4	18.9883221	23.4396513	5.33983594	51.726484 3	687.729308	3158.15805	3715.079 96	834.20145 3	8395.16878	94.322356 1	447.187606	544.943451	123.424613	1209.87803	2.76204025	12.877393 5	15.5037223	3.47905461	34.6222107	EnzymeReg
3.9287758 5	19.0416796	23.4466275	5.30899124	51.726074 2	681.798086	3164.02	3715.522	829.38768 4	8390.72777	93.579678 8	448.325868	545.070793	122.720136	1209.69648	2.73907151	12.903799 2	15.5042747	3.45916024	34.6063056	EnzymeReg
4.8130878 4	17.4635498	23.2402964	6.22127126	51.738205 2	857.223246	2990.64363	3702.448 08	971.76241 8	8522.07737	115.54551 9	414.660016	541.304468	143.556143	1215.06615	3.41840776	12.122819	15.4879367	4.04756729	35.0767236	EnzymeReg
3.8997404 1	16.6859086	22.1831183	8.56918771	51.337955	622.342708	2681.02936	3476.799 79	1312.98812	8093.15998	91.476196 4	390.503118	514.368919	196.818798	1193.16703	2.69487945	11.406427 2	14.7159382	5.46337433	34.2806192	EnzymeReg
1.3307064 5	19.9056047	19.2570141	7.31164327	47.804968 5	208.154427	3080.59282	2937.545 17	1083.77243	7310.06485	30.834979 6	460.219565	443.900394	167.316651	1102.27159	0.88012748	13.067105 3	12.5602885	4.70442636	31.2119476	EnzymeReg
1.4049774	20.0434641	19.037396	7.12171005	47.607547 5	223.05931	3147.94979	2924.9931	1061.77049	7357.77268	32.687372 4	465.036555	439.654215	163.171795	1100.54994	0.94016937	13.249018 3	12.4606055	4.59526537	31.2450586	EnzymeReg
1.4273465 3	20.0831735	19.0068946	7.05062445	47.568039 1	227.376913	3165.85435	2925.267 18	1053.68941	7372.18785	33.241627 2	466.394848	439.164245	161.639669	1100.44039	0.95834 31	13.302312 6	12.4515933	4.55471249	31.2669616	EnzymeReg
1.4463263	20.0094496	21.0946387	6.16718889	48.717603 4	220.871134	3039.78531	3165.928 33	960.58503	7387.16981	33.495226 1	462.062136	485.529384	143.512734	1124.59948	0.97910872	13.258891 7	13.6898427	4.06516051	31.9930036	EnzymeReg
1.3190206 1	19.8839138	19.2915689	7.34152748	47.836030 8	205.809283	3069.99483	2939.520 12	1087.23424	7302.55847	30.543529	459.461656	444.568491	167.968805	1102.54248	0.87068044	13.038482 9	12.5759727	4.72160182	31.2067379	EnzymeReg
1.2424087 2	19.7417093	19.5181091	7.53744721	48.039674 4	190.434612	3000.51484	2952.467 83	1109.92966	7253.34694	28.632745	454.492839	448.948505	172.244303	1104.31839	0.80874609	12.850836 1	12.6787976	4.83420345	31.1725833	EnzymeReg
9.9504563 8	14.9129165	17.4738803	9.26186423	51.599117 4	1498.47122	2269.64156	2700.222 02	1360.16966	7828.50446	228.81098	344.395593	403.966744	212.503772	1189.67709	6.57378504	9.9328786	11.5109029	6.02519679	34.0427634	EnzymeReg
8.8902693 7	16.0373422	16.9434579	8.39659008	50.267659 5	1408.85609	2476.86665	2593.205 59	1292.59231	7771.52063	206.71518 8	370.518913	390.880332	194.586742	1162.70117	5.83345116	10.434828 8	11.1063336	5.59627 03	32.9708838	EnzymeReg
9.9496054	15.2389916	17.3346934	9.47759713	52.000887 5	1481.82807	2361.59528	2746.498 95	1427.93674	8017.85905	228.54502	353.474774	403.468658	218.239922	1203.72856	6.65815315	10.325457	11.6193218	6.11749381	34.7204258	EnzymeReg
9.9515157 1	14.5070096	17.6471439	8.99331414	51.098983 3	1519.18905	2155.17511	2642.615 26	1275.81139	7592.7908	229.14182 8	333.093585	404.586775	205.363258	1172.18545	6.46876135	9.4441865 4	11.3759402	5.91030299	33.1991911	EnzymeReg
9.9513683 6	14.5634732	17.623042	9.03067076	51.168554 3	1516.3071	2171.09795	2650.628 64	1287.54603	7625.57972	229.09580 5	334.66575	404.500525	206.356538	1174.61862	6.48337066	9.5121659 8	11.3947142	5.92628528	33.3165361	EnzymeReg
9.9510546 3	14.683683	17.5717298	9.11020221	51.316669 7	1510.17148	2204.99733	2667.688 96	1312.52884	7695.38662	228.99782 4	338.012853	404.316902	208.471211	1179.79879	6.51447356	9.6568927 5	11.4346835	5.96031122	33.5663611	EnzymeReg

2.58763979	17.2579119	19.7541238	10.0385193	49.6381948	377.43212	2556.88455	2980.00079	1509.52766	7423.84511	59.0837598	395.232759	453.759608	230.116409	1138.19253	1.65270202	11.1043538	12.7621425	6.41357591	31.9327743	EnzymeReg
1.79650941	18.0906687	19.5691897	9.71866817	49.4112152	266.94836	2782.26565	2961.46757	1472.41223	7518.23582	41.1710614	417.796085	450.222451	223.229809	1137.81165	1.16971255	11.9015873	12.6904376	6.22368298	32.1323983	EnzymeReg
2.60613143	17.4091205	19.6191701	9.91125057	49.5456726	385.94513	2614.65968	2978.67367	1496.4763	7475.75479	59.7087295	399.774372	451.120708	227.364152	1137.96796	1.68210698	11.2767481	12.6975163	6.33326341	31.9896347	EnzymeReg
2.63126333	17.6146271	19.4357555	9.73828804	49.4199263	397.51513	2693.18152	2976.87	1478.73827	7546.30492	60.558122	405.946851	447.534196	223.623577	1137.66275	1.72207108	11.5110482	12.6096831	6.22411118	32.0669135	EnzymeReg
2.64813097	17.7525562	19.3126538	9.62218864	49.3355296	405.28051	2745.88273	2975.65944	1466.83311	7593.6558	61.1282057	410.089611	445.12705	221.113029	1137.4579	1.74889365	11.6683025	12.5507324	6.15085188	32.1187804	EnzymeReg
1.69603883	18.1983458	19.5441369	9.67653237	49.381289	252.98405	2811.59745	2959.09412	1467.54212	7530.8319	38.8985368	420.71857	449.742627	222.322462	1137.76065	1.10857851	12.004982	12.6805855	6.19861383	32.158442	EnzymeReg
2.24910777	13.6286935	26.0888518	6.17438963	48.1410426	352.24023	2137.31398	4039.6211	933.759443	7462.93476	52.3478251	316.586859	603.152316	141.95897	1114.04597	1.52402023	9.0826392	17.0828112	3.96683467	31.6563054	EnzymeReg
2.24629005	13.6166509	26.088001	6.19114994	48.142092	351.51383	2135.37083	4039.68607	936.575019	7463.14576	52.2752357	316.317385	603.14879	142.35413	1114.09554	1.52197915	9.0765075	17.0841783	3.97824756	31.6609122	EnzymeReg
1.95476183	14.380129	26.1012141	4.93222193	47.3683269	303.48783	2203.49955	4033.984	751.653668	7292.62505	45.2714105	331.66406	602.536252	113.303181	1092.7749	1.30368628	9.4062431	16.9916949	3.13075244	30.8323759	EnzymeReg
2.07558724	14.3851139	26.1119298	4.97525847	47.5478894	327.73193	2218.31775	4034.3601	752.121983	7332.53177	48.2552212	332.217793	602.750493	114.15729	1097.38079	1.39302139	9.4238041	16.9926072	3.15757188	30.9670046	EnzymeReg
2.21949085	13.5021112	26.0799098	6.35056056	48.1520724	344.60471	2116.88918	4040.30396	963.354516	7465.15263	51.5848231	313.754366	603.115257	146.11257	1114.56702	1.50256599	9.0181832	17.0971817	4.08679779	31.7047286	EnzymeReg
2.38497029	14.2093701	26.1298716	5.36623329	48.0904453	387.26578	2231.0095	4036.4886	797.996717	7452.76059	55.8479764	329.580471	603.322318	122.90493	1111.65574	1.62243818	9.3783214	17.0168888	3.41652282	31.4341712	EnzymeReg
3.77725501	29.880972	13.0798203	2.33872199	49.0767692	577.76974	4589.68198	2017.22185	351.605902	7536.27947	87.2609425	689.396635	301.685235	53.645703	1131.9882	2.52073274	19.475143	8.4259517	1.50352165	31.9253497	EnzymeReg
3.93812	28.8202542	14.2426183	2.57420109	49.5751936	592.00201	4418.08311	2162.55653	387.247317	7559.88897	90.714318	664.388932	327.48909	59.100545	1141.69287	2.60867265	18.783905	9.2036325	1.68008615	32.2763	EnzymeReg
3.78190046	29.8622055	12.9757017	2.46505198	49.0848597	579.70587	4581.00062	1994.71504	373.857549	7529.27908	87.3503748	688.719112	298.982236	56.624645	1131.67637	2.51605106	19.457082	8.3444295	1.58603672	31.9036006	EnzymeReg
3.94623719	28.7680018	14.2865411	2.59888858	49.5996687	592.88356	4409.02512	2167.02929	391.319333	7560.2573	90.8874715	663.131834	328.421742	59.678023	1142.11908	2.61233652	18.749229	9.2317375	1.69728916	32.2905931	EnzymeReg
3.77380629	29.894904	13.1571164	2.24493622	49.0707633	576.33233	4596.12689	2033.9306	335.086588	7541.47647	87.1945491	689.899618	303.691905	51.434178	1132.22025	2.52420795	19.488551	8.4864727	1.44226316	31.9414958	EnzymeReg
3.79672001	29.8023377	12.643549	2.86806273	49.1106695	585.88240	4553.30587	1922.91512	444.843437	7506.94684	87.6356766	686.557721	290.359285	66.127886	1130.68057	2.50111809	19.399465	8.0843621	1.84927141	31.8342182	EnzymeReg
2.50639321	12.2939326	21.6707017	11.7448614	48.2158889	388.67394	1883.21573	3271.74445	1738.14177	7281.7759	58.1275534	283.694428	498.730531	268.989838	1109.54235	1.66176296	8.0718487	14.1097936	7.53299991	31.3764054	EnzymeReg
2.34261508	12.5991456	21.9807963	11.440967	48.363524	355.10442	1881.27358	3288.88532	1699.67546	7224.93879	54.0193715	289.178066	504.767935	261.852665	1109.81804	1.53548498	8.1925893	14.2707011	7.30232529	31.3011007	EnzymeReg
2.50113732	12.3037273	21.6806531	11.7351089	48.2206267	387.59665	1883.1534	3272.29453	1736.90733	7279.95191	57.9957155	283.870407	498.924281	268.760795	1109.5512	1.6577105	8.0757236	14.114957	7.52559721	31.3739887	EnzymeReg
2.58057261	12.1556936	21.5302518	11.8825031	48.149021	403.87846	1884.09537	3263.98091	1755.56417	7307.51891	59.9882563	281.210746	495.996034	272.22245	1109.41749	1.71895755	8.0171623	14.0369144	7.63747848	31.4105128	EnzymeReg
2.19584181	12.8409206	22.2391443	11.1969614	48.4728682	326.12155	1880.56899	3304.94917	1669.62068	7181.2604	50.3764871	293.538424	509.847952	256.153662	1109.91653	1.42413453	8.2851168	14.3988649	7.11596931	31.2240853	EnzymeReg
2.41844283	12.4578348	21.8372254	11.5816673	48.2951703	370.64680	1882.17278	3280.94926	1717.485	7251.25384	55.9214215	286.639193	501.972673	265.157109	1109.6904	1.59395051	8.1366876	14.1962025	7.40912549	31.3359661	EnzymeReg
0	9.69312921	13.24801	24.2711974	47.2123365	0	1455.83034	1961.84715	3510.711133	6928.38881	0	222.862608	304.071883	553.67478	1080.60877	0	6.2213312	8.5791150	15.592717	30.3931634	EnzymeReg
0.55616744	8.7227121	11.2645533	26.5529669	47.0963998	89.547445	1306.78736	1636.07313	3918.225447	6950.63345	13.047161	200.982672	257.601516	609.965156	1081.59651	0.37638491	5.6820228	7.2630949	17.2289097	30.5504179	EnzymeReg
0.54218998	8.7085375	11.2882311	26.6035503	47.142508	87.29701	1303.5087	1638.69731	3924.118668	6953.6217	12.719268	200.62082	258.11165	611.108009	1082.55975	0.3669257	5.6724145	7.2784503	17.266481	30.5842714	EnzymeReg
0.60098397	8.7681608	11.1886345	26.390779	46.9485583	96.763321	1317.29988	1627.65908	3899.329681	6941.0521	14.098519	202.142895	255.965851	606.300777	1078.50804	0.40671438	5.7128535	7.2138603	17.108443	30.4418717	EnzymeReg
0.14007617	8.3007511	11.969409	28.058771	48.4690082	22.553405	1209.18572	1714.19184	4093.658991	7039.58987	3.2860554	190.210782	272.78756	643.986453	1110.27085	0.09479619	5.3958361	7.7202047	18.347357	31.5581954	EnzymeReg
0.37106678	8.5350002	11.5781125	27.2228331	47.7070127	59.744778	1263.36869	1670.8247	3996.268707	6990.20624	8.7048784	196.190733	264.357118	625.099731	1094.35246	0.2511185	5.5547142	7.4664429	17.726458	30.9987336	EnzymeReg
0	13.672941	29.216617	5.95147497	48.841039	0	2002.19992	4268.79694	812.87666	7083.87352	0	312.290154	666.640055	134.10305	1113.03326	0	8.8991744	18.791906	3.80754071	31.498622	EnzymeReg

0	13.9188347	28.8376618	5.51477041	48.271267	0	2110.19377	4337.60725	757.959576	7205.76059	0	320.223096	662.27977	124.411349	1106.91421	0	9.10793102	18.70487	3.47204757	31.2848486	EnzymeReg
0	13.7318961	29.1257601	5.84677163	48.704478	0	2028.09229	4285.29475	799.709859	7113.0969	0	314.192139	665.594642	131.779389	1111.56617	0	8.94922548	18.77103191	3.7271036	31.4473682	EnzymeReg
0	14.4424635	28.6318096	4.95437853	48.028651	0	2221.23323	4353.41166	683.017047	7257.66194	0	333.295574	659.182813	111.830245	1104.30863	0	9.47152552	18.63618969	3.08610823	31.1938206	EnzymeReg
0	14.9519106	29.1733575	4.86522789	48.990495	0	2182.49679	4207.46519	661.937957	7051.89994	0	341.299118	663.806315	109.532983	1114.63842	0	9.72537495	18.71332195	3.11599496	31.5546994	EnzymeReg
0	14.5859465	28.7843336	4.92926975	48.299548	0	2210.32332	4312.30664	677.080237	7199.7102	0	335.549728	660.484997	111.183234	1107.21796	0	9.54302081	18.65791737	3.09452566	31.2954601	EnzymeReg
3.0436881	11.7833883	22.1421468	6.98078366	43.950006	442.44217	1728.34297	3226.50366	988.154313	6385.44305	69.9071112	270.8018	506.712292	158.53646	1005.95766	1.9293737	7.51914921	13.95542557	4.36068193	27.7646306	EnzymeReg
3.1294036	11.9959418	21.9666207	6.93531891	44.027282	453.65864	1756.46345	3194.44766	980.626921	6385.19668	71.8463626	275.566626	502.56633	157.463276	1007.44259	1.9817510	7.65465476	13.85153556	4.34446863	27.83241	EnzymeReg
2.8437628	11.2876231	22.5515482	7.0868268	43.769769	416.28037	1662.75402	3301.27189	1005.7114	6386.01769	65.3839513	259.688197	516.382439	161.039582	1002.49417	1.8072075	7.20309258	14.19774	4.39849826	27.60654	EnzymeReg
2.5952018	12.1774069	22.8040011	8.00621391	45.582836	411.14935	1796.60889	3352.71838	1188.74716	6749.22376	60.2191205	279.072821	520.741801	182.803809	1042.83755	1.6831995	7.7047649	14.34076767	5.00932564	28.7380568	EnzymeReg
2.5422764	10.5400112	23.1689238	7.24673974	43.497958	376.82858	1563.84617	3414.02208	1032.1874	6386.88423	58.5630452	242.928929	530.96498	164.814281	997.271235	1.6229813	6.72648055	14.56315	4.45552513	27.3681401	EnzymeReg
2.8730986	12.3228948	22.3275342	7.57455834	45.098086	437.62633	1810.03194	3263.77301	1106.15689	6617.58817	66.3407744	282.536988	510.066214	172.592191	1031.53616	1.8429489	7.82118422	14.06106111	4.75326007	28.4784543	EnzymeReg
1.0580895	15.8095308	19.9451318	7.58858187	44.401339	163.51345	2329.76436	2944.8247	1132.10828	6570.2108	24.594001	361.564147	456.035587	174.835843	1017.02958	0.6992892	10.10134	12.67889018	4.90148214	28.3810035	EnzymeReg
2.2960122	13.5182332	18.9070008	9.88975674	44.611003	323.85820	1927.78939	2743.87138	1463.90712	6459.4261	52.1878961	308.185302	432.607022	226.704026	1019.68425	1.4383216	8.51403577	11.92657775	6.24065632	28.1195912	EnzymeReg
2.2585831	13.9606329	19.0812689	9.32380177	44.624286	317.71924	1990.57354	2772.67311	1398.59627	6479.56216	51.4674747	318.263526	436.232286	214.239468	1020.20275	1.4146849	8.76998884	11.98940222	5.92667257	28.1007481	EnzymeReg
2.2147716	14.4784705	19.2852531	8.66134062	44.639836	310.53346	2064.06364	2806.38611	1322.14862	6503.13183	50.6242071	330.060288	440.47573	199.649454	1020.80968	1.3870167	9.06958709	12.06293098	5.55914833	28.0786922	EnzymeReg
1.3822675	15.4918142	19.7813796	7.81562639	44.471087	204.52664	2262.80607	2909.39537	1177.17222	6553.9003	31.9062568	353.989952	452.10727	180.174328	1018.17781	0.8918438	9.84301595	12.51220253	5.04524442	28.2923095	EnzymeReg
2.2441848	14.1308164	19.1483068	9.10608874	44.629396	315.35769	2014.72551	2783.75263	1373.47232	6487.30816	51.1903411	322.140443	437.626862	209.444569	1020.40222	1.4055917	8.86844956	12.01356098	5.80588848	28.0934995	EnzymeReg
3.3935827	24.8742984	13.9183895	7.16497788	49.351248	514.33454	3768.27016	2162.37933	1076.347	7521.33102	78.3664427	573.60874	322.86413	164.843848	1139.68316	2.2512118	16.28801	9.23923747	4.63710375	32.4155723	EnzymeReg
3.4326518	25.8948046	13.3472646	6.63464511	49.309366	533.04337	3949.7613	2016.986	970.657361	7470.44804	79.9242826	598.929809	307.187134	151.669771	1137.711	2.3408589	17.19954	8.67051172	4.247697	32.4586104	EnzymeReg
3.5423270	24.2095848	14.2859734	7.18045992	49.218345	538.15803	3624.88234	2239.70408	1110.77352	7513.51797	81.406057	556.183491	332.184543	166.061568	1135.83566	2.2888207	15.64470	9.54319385	4.6899196	32.1666428	EnzymeReg
3.3334506	25.1430156	13.7697899	7.15871911	49.404975	504.70365	3826.23614	2131.12001	1062.42973	7524.48953	77.1376477	580.653074	319.096258	164.351572	1141.23855	2.236008	16.54808	9.11636001	4.6157524	32.5162045	EnzymeReg
3.3320400	25.47418	13.5848119	7.01330819	49.404340	507.86232	3887.16781	2085.34401	1030.91596	7511.2901	77.3152604	588.94541	314.080976	160.672012	1141.01366	2.2573346	16.84789	8.93718047	4.5056293	32.5480374	EnzymeReg
3.5461971	24.1922901	14.2955373	7.18086274	49.214887	538.77781	3621.15163	2241.71594	1111.66924	7513.31469	81.4851427	555.730115	332.427044	166.093251	1135.73555	2.2897993	15.62797	9.55110229	4.6912937	32.1601661	EnzymeReg
1.5095166	19.8146866	21.0287809	3.45865332	45.811637	229.14428	2914.40384	3120.46175	522.465866	6786.47574	34.6743083	453.523818	481.892227	79.2965356	1049.38689	0.9466767	12.56780	13.28541	2.1770145	28.976909	EnzymeReg
1.2711247	19.616409	20.805371	3.91843242	45.611338	192.85017	2931.54621	3132.42813	584.311946	6841.13645	29.202412	450.464554	478.332716	89.647522	1047.6472	0.8010514	12.54796	13.25462	2.4607661	29.0644035	EnzymeReg
0.6619513	18.2342585	20.1395233	5.82147921	44.857224	102.43149	2816.47297	3112.869	852.318923	6884.09239	15.3188267	421.469417	465.639095	133.142262	1035.5696	0.4375689	11.89218	13.06509	3.6820296	29.0768845	EnzymeReg
0.8882220	19.2979375	20.4465345	4.65692535	45.289619	134.55491	2959.08011	3151.64842	683.648521	6928.93196	20.4135069	445.550795	472.615464	106.273174	1044.85294	0.5671494	12.51609	13.20516	2.9165264	29.2049364	EnzymeReg
0.8265619	19.246653	20.3887497	4.77584733	45.237811	125.16743	2963.51398	3154.74353	699.645022	6943.06997	18.9982001	444.759516	471.694796	108.950459	1044.40297	0.5294834	12.51096	13.19719	2.9899189	29.2275669	EnzymeReg
0.6431153	18.4636006	20.1484466	5.65403031	44.909129	98.913052	2862.29025	3127.8457	826.43016	6915.47917	14.858773	427.154378	466.364724	129.190155	1037.56803	0.4236465	12.05995	13.09368	3.5655912	29.1428745	EnzymeReg
2.0370974	13.8914499	13.0428169	16.39345	45.364818	299.12323	1973.25698	1924.18478	2393.55603	6590.12103	46.9040986	315.69737	298.475853	375.081702	1036.15902	1.3206980	8.79380201	8.29158129	10.47442	28.8805134	EnzymeReg
2.1033727	15.1173494	12.90652	14.98397	45.111214	308.55117	2173.21718	1881.22087	2190.00653	6552.99575	48.4033873	344.316634	294.741288	342.910354	1030.37166	1.3343283	9.45608	8.08483026	9.4591572	28.3343994	EnzymeReg

1.49315794	14.5332181	12.9224631	16.2830309	45.23187	215.270803	2038.52547	1846.75092	2354.77502	6455.32221	34.1762808	328.846403	293.499023	371.697782	1028.21949	0.96694229	9.1093989	8.1083153	10.3219144	28.5065701	EnzymeReg
1.53419304	14.305592	12.952288	16.4869035	45.27897 64	221.705092	2005.02988	1859.79329	2386.32212	6472.85038	35.1435531	323.701361	294.471019	376.430765	1029.7467	0.99767997	8.9892939 1	8.1536209 3	10.475494 9	28.6160897	EnzymeReg
1.99059999	15.0093971	12.9094664	15.2240491	45.13351 26	291.312182	2148.32503	1874.85054	2220.45712	6534.94486	45.7740993	341.457607	294.511707	348.230511	1029.97392	1.26643234	9.3920137 8	8.0891703 5	9.6186015 3	28.366218	EnzymeReg
2.12680442	13.8175761	13.0589653	16.3767848	45.38013 06	312.932916	1967.5894	1935.6708	2394.8464	6611.03952	49.0019196	314.269635	299.190227	374.84106	1037.30284	1.37831 73	8.7589305 8	8.3161903 7	10.474242 4	28.9276807	EnzymeReg
0.18643079	8.0405618 4	20.698735	19.6833984	48.60912 6	26.8356888	1230.96336	3138.29702	2918.5152	7314.61127	4.2265096 7	185.386017	475.877886	450.298403	1115.78882	0.11589707	5.2180405 5	13.344751 3	12.578849 3	31.257538 3	EnzymeReg
0.18934 79	8.0191787	20.719395 6	19.6648429	48.59276 52	27.255590 9	1228.31113	3141.34204	2915.29004	7312.1988	4.2926425 2	184.902705	476.335037	449.835786	1115.36617	0.11771053	5.2055816 9	13.359489 9	12.568296 5	31.251078 6	EnzymeReg
1.66173284	9.5136521 4	20.525943 3	16.4079043	48.10923 26	247.760919	1443.39178	3088.57802	2434.32163	7214.05235	38.16306	219.389814	471.415855	375.813644	1104.78237	1.09028724	6.2691963	13.288419 5	10.527022 4	31.174925 4	EnzymeReg
0.10826 21	8.6135529 2	20.145101 4	20.180623 6	49.04754 01	15.583735 7	1302.03417	3056.70097	3004.93844	7379.25732	2.4543737 3	198.337136	463.627778	462.694969	1127.11426	0.06730251	5.5518956 5	12.949807 7	12.861629 1	31.430634 9	EnzymeReg
1.14631585	8.9246242 9	20.650610 8	17.5152624	48.23681 33	170.52582	1359.77098	3115.57161	2596.53833	7242.40673	26.3038919	205.824569	474.40135	400.870478	1107.40029	0.74952411	5.8574533 3	13.353564 3	11.223968 9	31.184510 7	EnzymeReg
0.06382368	8.9392948 4	19.830364 2	20.463293 1	49.29677 57	9.1870690 8	1342.43749	3010.31412	3054.06953	7416.00821	1.4469252 7	205.699768	456.663667	469.742341	1133.5527	0.03967681	5.7416902 4	12.725284 6	13.022387 6	31.529039 3	EnzymeReg
2.34478387	11.931575 5	23.113543 3	8.4089607	45.83666 35	375.236802	1766.22273	3415.63631	1258.55692	6821.4586	54.4733364	273.446088	528.14709	192.248114	1049.1843	1.52836355	7.5650782 9	14.579485 2	5.2694719 8	28.966055 2	EnzymeReg
3.15618779	12.471101 1	21.842154 7	7.1348374 3	44.60428 1	464.598055	1823.70579	3173.16572	1022.02344	6483.49301	72.5768093	286.065865	499.191158	162.189773	1020.02361	2.00568314	7.9397787 5	13.776129 4	4.4924100 2	28.214001 3	EnzymeReg
2.97426201	12.375857 1	22.154081 3	7.4174217 7	44.92162 22	447.264822	1814.91836	3231.39402	1076.09136	6569.66856	68.5692541	283.798045	506.179956	168.874833	1027.42209	1.90110284	7.8635645 8	13.959239 3	4.6600439 4	28.383950 6	EnzymeReg
2.78971572	12.279241 2	22.470501	7.7040765 3	45.24353 45	429.681917	1806.00435	3290.46105	1130.93808	6657.08541	64.503973	281.497559	513.269422	175.656185	1034.92714	1.79501614	7.7862526	14.144986 7	4.8300925 1	28.556348	EnzymeReg
1.94488271	11.443705 6	23.508317	9.0635615	46.09002 78	307.875231	1702.50619	3501.79912	1366.20634	6898.28649	45.1071172	262.379842	538.133365	207.53141	1056.13257	1.27206137	7.3131207 9	14.949631 7	5.7093287 8	29.325225	EnzymeReg
1.35191295	10.720296 7	24.093683 8	10.034197 5	46.46571 39	207.992115	1608.02789	3629.56053	1525.82791	7012.20619	31.2189737	245.970914	552.940921	230.193341	1066.43539	0.89201886	6.9395205 5	15.498481 6	6.3615443 9	29.857798 7	EnzymeReg
8.95488472	25.707793 1	5.5070175 1	4.8528263 5	45.02252 17	1329.29664	3772.60378	777.12631	672.44319 7	6551.46995	205.23293 7	587.81563 9	124.63045 3	109.46041 3	1027.13944	5.77125307	16.435587 8	3.4181538 1	2.9627391 1	28.587733 8	EnzymeReg
10.196365	24.788775 9	5.6001654 8	4.7506544 2	45.33596 08	1487.58076	3617.2245	785.01482 2	655.61420 3	6545.43428	232.89606	566.53464 8	126.67234 2	107.28792 2	1033.39092	6.50228924	15.866613 3	3.4921136 9	2.9255494 3	28.786565 7	EnzymeReg
10.210290 5	28.195643 7	3.7515914 1	4.6151120 4	46.77263 77	1520.52231	4218.49725	565.28367 7	678.84760 9	6983.15085	233.85349 7	646.55402 9	85.993554	105.52255 3	1071.92363	6.56577315	18.172090 6	2.3850577	2.9679987 3	30.090920 2	EnzymeReg
9.553331 84	27.042836 2	4.5895122 4	4.7336450 3	45.91932 53	1421.81299	4011.46955	666.55084	676.51808 5	6776.35146	218.90448 6	619.31773	104.43654 2	107.50728 9	1050.16605	6.15240982	17.364240 3	2.8773429	2.9671166 5	29.361109 7	EnzymeReg
8.96342443	26.007687 8	5.3419122	4.8400801 7	45.15310 46	1333.17825	3825.57176	757.48235 5	674.42631 8	6590.65868	205.48121 8	594.86125 5	120.99718 2	109.28945 6	1030.62911	5.78123566	16.638841 9	3.3193839 2	2.9663245 9	28.705786	EnzymeReg
9.31482858	25.441341 3	5.5340240 1	4.8232035 2	45.11339 74	1375.18815	3727.55448	779.41345 1	667.56394 6	6549.72002	213.25332 4	581.64561 6	125.22246	108.83054	1028.95194	5.98320326	16.270624 4	3.4395970 9	2.9519566 6	28.645381 4	EnzymeReg
10.584618 5	27.611721 5	3.9457513 2	4.5963726 4	46.73846 4	1565.44939	4117.50392	587.39943	671.67036	6942.02308	242.13628 5	632.9312	90.263754 4	105.02383 1	1070.35507	6.78122948	17.792956 9	2.5068330 8	2.9529364 9	30.033955 9	EnzymeReg
9.520690 91	25.288949 8	5.5494698 1	4.8062613 6	45.16537 19	1401.43483	3701.78947	780.72152 1	664.77336 2	6548.71918	217.84041 5	578.11680 1	125.56104 6	108.47029 7	1029.98856	6.10442372	16.176277	3.4518611 2	2.9457898 7	28.678351 7	EnzymeReg
10.768429 6	24.365299 8	5.6430873 5	4.7035743 7	45.48039 11	1560.51686	3545.62691	788.64979	647.85953 1	6542.65309	245.64293 6	556.72853 1	127.61322 9	106.28685 5	1036.27155	6.83914512	15.604434 3	3.5261938 3	2.9084127 2	28.878185 9	EnzymeReg
10.746548 8	24.381497 2	5.6414456 4	4.7053751 3	45.47486 68	1557.72715	3548.36543	788.51074 6	648.15613 8	6542.75947	245.15538 1	557.10363	127.57724 1	106.32514 4	1036.16137	6.82626079	15.614462 3	3.5248903 1	2.9090681 8	28.874681 6	EnzymeReg
11.348722 8	25.112414 1	5.0497227 9	4.6095386 6	46.12039 83	1645.23392	3680.64385	716.64361 1	648.05858 5	6690.57996	258.79607 5	574.41769 4	114.55229 6	104.67187	1052.43795	7.19988296	16.134557 2	3.1792712 4	2.9057902 8	29.419501 7	EnzymeReg
9.6969186	25.158495 7	5.5626921 3	4.7917580 9	45.20986 45	1423.9032	3679.73344	781.84128 9	662.38449 2	6547.86242	221.76717 8	575.09597 2	125.85089 2	108.16191 3	1030.87595	6.20819405	16.095511 3	3.4623597	2.9405108 1	28.706575 8	EnzymeReg
3.05734861	16.566687 1	21.970612 8	7.6143592 9	49.20900 77	463.51045 1	2502.04566	3273.35628	1134.94449	7373.85688	70.111379	380.07889 8	502.1926	174.09777 8	1126.48066	1.94422243	10.577084 4	13.861685 9	4.8176638 3	31.200656 6	EnzymeReg
2.95143723	16.707745 8	22.081847	7.4016838 1	49.14271 38	453.03742 9	2579.80922	3306.35279	1118.32222	7457.52165	68.175658 8	386.63015 7	506.42693 5	170.17089 1	1131.40364	1.95424733	11.026135	14.252262 7	4.7830976 2	32.015742 7	EnzymeReg
2.973621	16.678808 3	22.050351 4	7.4722377 4	49.17501 84	454.30801 6	2566.95038	3304.71515	1126.71876	7452.69231	68.519104 8	385.29474	505.42757 9	171.57998 6	1130.82141	1.94420871	10.920926 9	14.145496 3	4.7935136 7	31.804145 5	EnzymeReg

3.054432 85	16.57199 63	21.95445 4	7.669490 06	49.25037 32	461.0576 61	2512.227 65	3286.630 96	1146.011 87	7405.928 14	69.91269 9	380.3455 08	502.0454 88	175.3651 56	1127.668 85	1.925882 58	10.56329 69	13.81391 49	4.824159 5	31.12725 39	EnzymeReg
3.059989 14	16.56187 9	21.98524 63	7.564432 58	49.17154 69	465.7317 1	2492.824 79	3261.334 67	1124.921 82	7344.812 99	70.29130 45	379.8374 54	502.3258 25	172.9500 35	1125.404 62	1.960831 09	10.58957 04	13.90494 76	4.811781 31	31.26713 04	EnzymeReg
2.971715 74	16.68129 36	22.05305 64	7.466178 18	49.17224 39	454.1988 91	2568.054 77	3304.855 8	1125.997 62	7453.107 08	68.48960 77	385.4094 33	505.5134 09	171.4589 65	1130.871 41	1.945070 88	10.92996 27	14.15466 6	4.792619 08	31.82231 87	EnzymeReg
9.695929 69	25.87813 7	7.740221 77	6.376517 85	49.69080 63	1491.578 92	4049.610 74	1242.108 27	964.9174 02	7748.215 33	224.0045 06	600.3690 32	180.1298 47	146.8234 59	1151.326 84	6.346207 82	17.02653 54	5.084398 93	4.087664 11	32.54480 62	EnzymeReg
9.188988 34	28.62561 43	6.747930 69	6.008347 91	50.57088 12	1411.547 64	4440.796 64	1040.823 95	930.0623 6	7823.230 59	211.6063 7	661.6702 44	155.4624 56	138.7841 1	1167.523 18	5.909312 7	18.58266 39	4.321533 19	3.920587 48	32.73409 72	EnzymeReg
9.569301 91	26.06860 9	7.651131 31	6.520379 12	49.80942 13	1470.338 47	4072.573 22	1226.382 56	991.1184 5	7760.412 7	220.9342 77	604.4557 86	177.9882 69	150.2249 2	1153.603 25	6.244462 5	17.11201 18	5.019614 05	4.192565 61	32.56865 4	EnzymeReg
8.941783 8	27.01251 41	7.209633 57	7.233299 67	50.39723 12	1365.079 05	4186.366 34	1148.452 05	1120.960 66	7820.858 1	205.7194 17	624.7081 51	167.3754 4	167.0812 41	1164.884 25	5.740252 25	17.53559 97	4.698565 34	4.712416 7	32.68683 4	EnzymeReg
9.943326 12	25.50600 63	7.914280 44	6.095451 86	49.45906 47	1533.077 02	4004.748 27	1272.832 05	913.7276 46	7724.384 99	230.0029 01	592.3846 21	184.3139 11	140.1779 24	1146.879 36	6.544990 64	16.85953 76	5.210971 06	3.882714 96	32.49821 42	EnzymeReg
9.526385 91	29.49752 17	6.543588 1	4.968936 09	50.53643 18	1471.619 04	4587.579 98	986.5950 73	763.1334 03	7808.927 49	219.7127 28	682.012	149.9844 19	114.6708 22	1166.379 97	6.159863 22	19.19852 41	4.144244 62	3.233122 02	32.73575 4	EnzymeReg
5.937361 76	25.70988 4	9.502698 52	5.707201 79	46.85714 61	901.0685 31	3884.169 92	1470.960 87	893.7632 03	7149.962 52	136.2903	589.4253 74	218.5200 48	131.2843 13	1075.520 04	3.799703 72	16.29640 93	6.034102 42	3.549423 89	29.67963 94	EnzymeReg
6.183361 81	25.78869 06	8.247755 22	6.919021 65	47.13882 92	956.8963 39	3958.781 31	1269.870 72	1066.949 35	7252.497 72	142.2406 18	593.1901 67	189.0630 34	158.4329 12	1082.926 73	3.921821 16	16.23822 87	5.120633 7	4.230384 78	29.51106 83	EnzymeReg
5.894341 92	25.69610 26	9.722159 65	5.495281 97	46.80788 61	891.3055 13	3871.122 08	1506.126 97	863.4768 74	7132.031 44	135.2497 24	588.7669 97	223.6714 12	126.5366 39	1074.224 77	3.778348 15	16.30658 38	6.193847 39	3.430339 27	29.70911 86	EnzymeReg
5.941732 03	25.71128 41	9.480404 03	5.728730 17	46.86215 03	902.0603 3	3885.495 42	1467.388 43	896.8399 13	7151.784 1	136.3960 1	589.4922 57	217.9967 34	131.7666 17	1075.651 62	3.801873 18	16.29537 57	6.017874 34	3.561521 39	29.67664 46	EnzymeReg
5.916084 08	25.70306 77	9.611244 34	5.602385 91	46.83278 2	896.2397 27	3877.716 44	1488.354 08	878.7835 37	7141.093 78	135.7756 3	589.0997 4	221.0679 2	128.9361 06	1074.879 4	3.789141 23	16.30144 16	6.113112 53	3.490524 45	29.69421 99	EnzymeReg
6.102899	25.76291 42	8.658227 78	6.522654 09	47.04669 5	938.6359 25	3934.377 07	1335.644 2	1010.302 83	7218.960 04	140.2943 61	591.9587 62	198.6979 68	149.5530 25	1080.504 12	3.881878 43	16.25725 87	5.419415 2	4.007652 99	29.56620 53	EnzymeReg
3.404379 89	23.84797 82	17.70714 58	3.268810 62	48.22831 46	526.3090 77	3635.486 85	2682.092 69	491.1917 27	7335.080 35	78.72634 59	549.6465 2	407.5918 2	75.13731 75	1111.102	2.244056 77	15.58906 4	11.53593 88	2.126665 26	31.49572 49	EnzymeReg
3.751670 78	24.69662 41	17.37359 91	2.752901 91	48.57479 59	582.6129 75	3733.408 28	2565.740 64	393.2624 55	7275.024 35	86.93624 68	567.8762 43	397.6981 09	62.43888 3	1114.949 48	2.478833 92	15.99564 09	11.10725 62	1.693890 15	31.27562 12	EnzymeReg
2.458312 52	24.49834 14	17.57699 28	2.875527 41	47.40917 41	400.0002 28	3827.348 46	2680.894 99	413.5239 35	7321.767 61	57.56335 63	567.6601 71	405.1389 46	65.38234 59	1095.744 82	1.657408 78	16.13059 59	11.42599 29	1.850297 76	31.06429 53	EnzymeReg
2.958770 96	24.61829 73	17.48313 03	2.801827 32	47.86202 58	471.0563 86	3797.691 96	2631.693 29	400.6569 57	7301.098 59	68.94658 87	568.7314 39	401.8306 08	63.59616 66	1103.104 8	1.976027 37	16.10244 34	11.28401 16	1.768537 31	31.13101 97	EnzymeReg
3.032950 19	24.10331 33	17.65604 73	3.114406 12	47.90671 69	476.7197 37	3710.812 46	2681.622 47	460.6990 53	7329.853 71	70.41767 47	556.7187 49	406.6288 12	71.30747 81	1105.072 71	2.013736 51	15.80167 15	11.49277 36	2.018162 31	31.32634 4	EnzymeReg
3.250143 25	23.95400 64	17.68592 71	3.204693 96	48.09477 07	505.7170 43	3666.765 9	2681.897 43	478.5296 07	7332.909 98	75.27615 99	552.5832 72	407.1919 29	73.54697 2	1108.598 33	2.148416	15.67734 96	11.51801 44	2.081609 28	31.42538 92	EnzymeReg
3.120435 49	16.68679 1	22.16862 3	6.974665 89	48.95051 54	479.4366 88	2472.251 37	3247.076 87	1024.597 51	7223.362 43	72.23368 64	382.5770 42	506.4780 78	159.5161 22	1120.804 93	2.071415 09	10.78553 78	14.23414 05	4.532921 25	31.62401 47	EnzymeReg
3.164607 42	16.83386 35	22.26663 08	6.675021 14	48.94012 28	480.6326 73	2502.450 02	3298.613 06	981.9397 87	7263.635 53	73.13634 94	386.5418 04	509.7741 54	152.7477 54	1122.200 06	2.088209 68	10.90740 78	14.31772 53	4.294903 39	31.60824 62	EnzymeReg
3.073778 63	16.53676 98	22.06166 61	7.303702 51	48.97591 7	477.3316 95	2444.671 06	3198.554 71	1072.580 87	7193.138 33	71.23092 21	378.5765 73	503.0215 62	166.9562 23	1119.785 28	2.047565 78	10.65477 56	14.13087 11	4.781061 28	31.61427 38	EnzymeReg
3.110835 92	16.65482 88	22.14732 37	7.039785 56	48.95277 4	479.1767 74	2465.688 51	3235.876 87	1033.868 01	7214.610 17	72.03751 71	381.7154 08	505.7617 65	160.9870 43	1120.501 73	2.067765 25	10.75905 27	14.21597 56	4.584647 99	31.62744 16	EnzymeReg
3.066486 44	16.55004 81	22.02125 36	7.441582 39	49.07937 05	471.1973 64	2470.135 83	3231.754 15	1100.259 93	7273.347 28	70.73403 13	379.2433 55	502.6536 41	170.1258 84	1122.756 91	2.001698 54	10.62029 37	14.01139 77	4.797306 72	31.43069 66	EnzymeReg
3.158015 31	16.81191 47	22.25200 43	6.719739 41	48.94167 38	480.4541 87	2497.943 24	3290.921 92	988.3059 23	7257.625 27	73.00163 82	385.9501 12	509.2822 56	153.7578 49	1121.991 86	2.085703 29	10.88922 02	14.30525 13	4.330424 61	31.61059 94	EnzymeReg
1.873098 38	9.580796 03	24.58554 85	13.10930 58	49.14874 87	287.6698 55	1463.816 77	3741.202 24	1978.683 49	7471.372 36	43.29814 26	220.9450 77	565.8156 17	300.6710 35	1130.729 87	1.259763 37	6.335576 11	15.96825 47	8.367819 75	31.93141 4	EnzymeReg
2.080938 7	9.487162 65	25.47801 22	11.95339 78	48.99951 14	325.7870 7	1463.225 83	3908.067 92	1819.149 69	7516.230 51	48.28210 08	219.6491 5	588.6932 86	274.8913 52	1131.515 89	1.381480 19	6.284810 95	16.74071 71	7.729017 41	32.13602 56	EnzymeReg
2.007275 53	9.571345 78	24.97778 62	12.53870 7	49.09511 45	312.0324 69	1469.952 51	3816.516 76	1899.592 1	7498.093 84	46.51082 71	221.2066 69	576.1267 76	287.9417 31	1131.786	1.340249 19	6.334635 3	16.33201 13	8.056711 25	32.06360 7	EnzymeReg
1.966152 13	9.297173 79	25.85679 15	11.75939 16	48.87950 9	305.8968 87	1432.663 94	3969.518 69	1793.983 36	7502.062 88	45.55253 23	215.1599 1	597.1876 98	270.5811 17	1128.481 26	1.305214 65	6.161980 39	16.95358 86	7.601763 55	32.02254 72	EnzymeReg

1.94996328	9.57538235	24.8102463	12.7824318	49.1180238	301.626254	1467.3317	3784.34702	1933.37509	7486.68006	45.1385653	221.094933	571.722481	293.378909	1131.33489	1.30587058	6.33503715	16.1766368	8.18959772	32.0071422	EnzymeReg
1.98738994	9.57274635	24.9196551	12.623272	49.1030633	308.421833	1469.04317	3805.35485	1911.31375	7494.13361	46.0346945	221.1679	574.598621	289.828264	1131.62948	1.32832087	6.33477473	16.2781011	8.10281876	32.0440155	EnzymeReg
1.14513079	14.0810339	23.270336	10.7663727	49.2628734	179.433236	2149.9777	3473.38693	1561.12009	7363.91795	26.5906761	324.576121	533.678968	245.640931	1130.4867	0.76865403	9.18932572	15.023647	6.82986291	31.8114897	EnzymeReg
1.09073333	13.9185315	23.2936348	10.89014	49.1930396	170.066503	2109.25755	3466.11162	1581.8656	7327.30127	25.3200418	320.442931	534.028316	248.757206	1128.54849	0.73362641	9.07736789	15.0377607	6.93625081	31.7850058	EnzymeReg
1.36949844	14.3894847	22.6323401	10.5219514	48.9132747	211.680133	2161.83879	3383.4711	1555.37385	7312.36387	31.7440191	330.934354	519.557263	241.199545	1123.43518	0.91434925	9.39644573	14.6527724	6.74670097	31.7102683	EnzymeReg
1.31337084	14.2858509	22.7522919	10.6025629	48.9540766	203.14596	2147.45088	3397.19	1562.6515	7310.43834	30.4484608	328.561673	522.16213	242.926072	1124.09834	0.87799157	9.32600019	14.7226737	6.79352592	31.7201914	EnzymeReg
1.18121944	14.1888421	23.254879	10.6842624	49.309203	185.647363	2176.99248	3478.21355	1547.357	7388.21039	27.433647	327.318184	533.447201	243.573516	1131.77255	0.79189224	9.26360138	15.0142837	6.75928249	31.8290598	EnzymeReg
1.32482082	14.3069921	22.7278219	10.5861182	48.945753	204.886923	2150.386	3394.39135	1561.16687	7310.83115	30.7127534	329.045698	521.63074	242.573862	1123.96305	0.8854085	9.34037101	14.7084139	6.78397367	31.7181671	EnzymeReg
11.6801429	14.1040132	13.6305568	9.33475144	48.7494644	1779.03759	2144.88285	2031.64408	1392.16246	7347.72698	269.896684	325.882169	313.008519	213.895457	1122.68283	7.92739675	9.6097522	9.0890764	6.10747237	32.7336977	EnzymeReg
11.6504643	12.7003035	12.1448756	10.2716685	47.8316757	1691.53921	1833.10697	1775.63858	1489.43062	6946.36117	265.238115	289.158718	277.64844	234.921878	1091.79356	7.40513259	8.0907184	7.7935538	6.53827703	30.5466215	EnzymeReg
11.2374051	12.4268776	12.1334183	10.4811632	47.642214	1623.33234	1799.75251	1755.72845	1521.62669	6901.08853	255.432031	283.011515	276.681493	239.806761	1086.7321	7.10968766	7.8987826	7.7204267	6.65480552	30.3045958	EnzymeReg
12.229668	13.9398784	13.0794607	9.40765199	48.6566591	1838.27501	2071.25675	1961.03484	1385.54617	7256.11277	281.434394	320.222071	300.834763	215.282518	1117.77375	8.12935048	9.2909858	8.6942434	6.11356487	32.228145	EnzymeReg
12.3818093	13.8944361	12.9268844	9.42783522	48.6309651	1854.67547	2050.87264	1941.48599	1383.71438	7230.74848	284.628721	318.655018	297.464344	215.666514	1116.41462	8.18526333	9.2027322	8.5849306	6.11525163	32.0881778	EnzymeReg
12.9933708	13.589245	12.1821245	9.59057546	48.4476389	1913.28815	1941.5464	1840.36885	1384.75723	7093.54811	297.1189	309.14403	280.792105	219.040521	1108.249	8.36566064	8.7147253	8.0313014	6.15942853	31.3334769	EnzymeReg
6.19559458	22.7923102	16.9712808	3.23490518	49.1940908	947.25171	3495.84989	2547.20128	485.08306	7475.38595	142.79834	526.02948	389.882985	74.328741	1133.03953	4.03448495	14.970362	10.969756	2.10178997	32.0763975	EnzymeReg
6.719098	23.6483679	16.6021259	2.39043141	49.3600232	1058.01383	3629.84646	2497.13064	362.27122	7547.26215	155.81583	545.639766	381.5876	55.144382	1138.18763	4.44625059	15.534849	10.775280	1.56938089	32.325762	EnzymeReg
6.44308487	24.5223412	16.5517982	1.93181949	49.4490438	1018.8206	3735.85492	2494.69487	287.53683	7536.90723	149.60581	564.89091	380.569256	44.299508	1139.36549	4.27193474	16.058614	10.761674	1.24022021	32.3324464	EnzymeReg
6.26620412	25.0824199	16.5195461	1.6379218	49.5060919	993.70394	3803.78957	2493.13393	239.64391	7530.27136	145.62614	577.227848	379.916659	37.349660	1140.12031	4.16022585	16.394264	10.752959	1.02928029	32.3367301	EnzymeReg
6.19792134	25.2986318	16.5070955	1.52446598	49.5281147	984.00795	3830.01496	2492.53134	221.15540	7527.70966	144.08983	581.990381	379.664732	34.666751	1140.4117	4.11710192	16.523838	10.749594	0.94784936	32.3383838	EnzymeReg
6.06462021	25.7207191	16.4827897	1.30297838	49.5711073	965.07949	3881.21197	2491.35498	185.06227	7522.70873	141.09067	591.287761	379.17292	29.429194	1140.98055	4.03291571	16.776791	10.743024	0.78888051	32.3416121	EnzymeReg
3.20845131	20.8175333	20.2624593	2.31675446	46.6051984	523.56472	3246.44478	3049.08014	334.55721	7153.64676	75.145241	481.756397	465.146708	52.735317	1074.78358	2.17931033	13.663314	13.049424	1.48463065	30.3766791	EnzymeReg
3.27875868	20.7603042	20.3911995	2.18151983	46.6117822	546.43058	3263.31285	3088.25815	314.29471	7212.29629	77.146165	481.193403	468.724115	49.617123	1076.6808	2.24217645	13.657948	13.170362	1.39698016	30.4674669	EnzymeReg
3.27295037	20.7650321	20.3805639	2.19269198	46.6112383	544.54156	3261.91932	3085.02153	315.96865	7207.45107	76.980862	481.239914	468.428574	49.874172	1076.52407	2.23698289	13.658393	13.160371	1.40422124	30.4599666	EnzymeReg
3.25885117	20.7765086	20.3547467	2.21981147	46.609918	539.95612	3258.53666	3077.16491	320.03206	7195.6897	76.5796043	481.352815	467.711173	50.500012	1076.1436	2.22437592	13.659467	13.136118	1.42179837	30.4417604	EnzymeReg
3.1195232	20.8026273	19.9774255	2.97104606	46.8706221	464.36748	3146.39852	2989.2923	433.17735	7033.23566	71.60952	478.441931	458.266014	67.800451	1076.11792	2.02744996	13.437251	12.80810	1.89241677	30.1652255	EnzymeReg
2.95464673	21.0241264	19.7977164	2.80494185	46.5814314	441.02056	3185.55225	2907.65034	407.70297	6941.92613	67.9220496	483.788764	452.232528	63.991391	1067.93473	1.95236799	13.682682	12.612849	1.80104264	30.0489416	EnzymeReg
3.76939741	29.9063633	13.3296461	2.06105173	49.0664586	573.6784	4606.36075	2069.58655	302.60715	7552.23286	87.11518	690.518736	308.103152	47.096556	1132.83363	2.53251613	19.504675	8.6195068	1.3225075	31.9792056	EnzymeReg
3.78474729	29.8075524	13.4127056	2.10773653	49.1127418	575.34528	4589.23181	2078.04468	310.30746	7552.92939	87.4426204	688.141525	309.866827	48.188641	1133.63961	2.53944463	19.439101	8.6726491	1.35503894	32.0062343	EnzymeReg
4.42068845	28.6230596	14.4525413	2.0744638	49.57075	669.10526	4342.06605	2200.23513	321.81105	7533.21749	101.84826	659.263024	332.760565	47.930353	1141.80221	2.90991523	18.683152	9.3938219	1.36069465	32.3475843	EnzymeReg
3.87834038	29.2050704	13.9191457	2.39238861	49.3949452	585.50928	4484.79122	2129.6166	357.25870	7557.17635	89.4391183	673.646909	320.620514	54.847426	1138.55397	2.58168985	19.039279	8.9966743	1.55339348	32.1710373	EnzymeReg
4.6100047	28.599053	14.4908566	1.84232992	49.5422443	699.80652	4320.72568	2210.83113	290.49993	7521.86327	106.23162	658.528699	333.908415	42.713663	1141.3824	3.0296256	18.679589	9.4412816	1.21078007	32.3612732	EnzymeReg

3.844651 17	29.42193 62	13.73685 06	2.289926 96	49.29336 49	581.8511 12	4522.385 03	2111.053 08	340.3584 19	7555.647 64	88.72047 1	678.8643 03	316.7496 82	52.45057 4	1136.785 03	2.566483 52	19.18319 71	8.880040 21	1.481994 97	32.11171 58	EnzymeReg
1.860681 2	13.61278 59	20.49890 23	11.53155 21	48.93074 04	275.7787 21	2061.578 97	3064.628 25	1765.284 31	7374.627 89	42.97479 72	313.2337 26	471.1905 93	265.3447 89	1125.266 72	1.205386 19	8.729049 2	13.07283 84	7.266429 3	31.15688 92	EnzymeReg
1.936154 8	13.50241 57	20.42435 39	11.96738 98	48.62845 78	289.2675 64	2046.284 84	3057.777 4	1813.290 65	7322.613 57	44.67294 06	310.9526 68	469.5671 58	275.2845 9	1118.670 19	1.265385 68	8.757555 8	13.16067 55	7.647398 32	31.32505 8	EnzymeReg
1.903230 3	13.55056 35	20.45687 48	11.77726 05	48.76032 51	283.3832 09	2052.956 73	3060.766 01	1792.348 42	7345.304 23	43.93214 48	311.9477 54	470.2753 63	270.9484 64	1121.547 85	1.239211 58	8.745120 12	13.12235 76	7.481204 9	31.25169 63	EnzymeReg
1.831883 54	13.65489 87	20.52734 69	11.36525 42	49.04607 91	270.6319 27	2067.414 58	3067.242 26	1746.967 04	7394.474 44	42.32685 47	314.1040 85	471.8100 3	261.5521 65	1127.783 68	1.182492 82	8.718172 24	13.03932 33	7.121067 01	31.09272 29	EnzymeReg
1.961010 99	14.01090 09	20.83617 57	11.14635 93	49.04252 93	294.4840 59	2124.455 76	3131.947 15	1702.958 74	7411.975 23	45.15603 82	321.9618 8	478.6215 98	256.0940 26	1126.635 22	1.250696 93	8.943990 22	13.30458 61	7.048603 87	31.22138 89	EnzymeReg
1.806473 86	13.69205 7	20.55244 51	11.21852 07	49.14784 85	266.0906 4	2072.563 65	3069.548 74	1730.804 75	7411.986 09	41.75514 1	314.8720 49	472.3565 92	258.2057 33	1130.004 54	1.162292 79	8.708574 92	13.00975 11	6.992806 22	31.03610 55	EnzymeReg
2.519151 32	10.77951 97	23.16571 77	7.414225 62	43.87861 43	379.2018 71	1598.713 43	3414.488 96	1065.991 16	6458.395 43	58.13025 91	248.1872 96	530.5731 4	168.7800 34	1005.670 73	1.614345 06	6.866245 57	14.55999 36	4.571022 85	27.61160 7	EnzymeReg
2.742761 49	11.03716 46	22.75837 6	7.140399 33	43.67870 15	403.0635 78	1629.618 77	3339.044 48	1014.581 16	6386.307 99	63.09887 06	254.0736 53	521.2677 55	162.3041 49	1000.744 43	1.745489 67	7.043422 14	14.32015 86	4.417602 91	27.52667 33	EnzymeReg
2.786949 91	11.14674 1	22.66788 82	7.116961 17	43.71854 03	408.8459 69	1644.115 55	3322.518 85	1010.700 61	6386.180 98	64.09860 07	256.5300 34	519.1304 13	161.7508 97	1001.509 94	1.772491 42	7.113278 47	14.26660 08	4.409244 56	27.56161 52	EnzymeReg
2.812050 81	11.20898 5	22.61648 72	7.103647 31	43.74117 04	412.1306 12	1652.350 33	3313.131 6	1008.496 29	6386.108 84	64.66648 97	257.9253 62	517.9163 13	161.4366 27	1001.944 79	1.787829 55	7.152959 82	14.23617 77	4.404496 67	27.58146 37	EnzymeReg
2.514598 05	11.41918 19	23.06416 9	7.757015 12	44.75496 4	390.4460 68	1690.314 45	3398.251 1	1136.064 25	6615.075 86	58.22548 3	262.2838 75	527.4813 57	176.8984 3	1024.889 14	1.623611 31	7.245696 61	14.49712 2	4.815561 01	28.18199 1	EnzymeReg
2.513461 48	11.57885 14	23.03882 09	7.842580 65	44.97371 44	393.2527 93	1713.179 47	3394.197 87	1153.555 56	6654.185 7	58.24925 24	265.8025 97	526.7096	178.9249 07	1029.686 36	1.625924 31	7.340413 43	14.48142 84	4.876601 5	28.32436 76	EnzymeReg
4.176242 53	19.39760 89	20.39008 79	5.327216 27	49.30402 74	668.5462 14	2949.130 13	3085.300 22	808.2148 84	7513.109 57	97.55540 82	447.3397 36	469.1305 95	122.3538 02	1136.673 98	2.809859 5	12.69109 54	13.20570 42	3.374207 22	32.08902 49	EnzymeReg
3.382858 35	19.57329 2	20.62524 86	5.133380 04	48.80694 02	536.1904 69	3057.673 73	3156.368 97	778.3995 42	7542.366 35	78.63166 66	453.9300 03	475.4433 31	117.9554 94	1128.068 62	2.242221 87	12.92229 71	13.40708 78	3.301321 08	31.93134 26	EnzymeReg
3.787435 78	19.50680 01	20.58498 66	5.073185	49.04062 67	606.6455 1	3028.719 8	3137.834 27	763.2637 87	7549.609 57	88.38393 99	451.9770 85	474.2693 51	116.3233 96	1132.971 73	2.539394 98	12.87166 95	13.35785	3.219623 27	32.04445 38	EnzymeReg
3.853534 81	19.48823 71	20.55185 29	5.116371 55	49.08540 61	617.1689 3	3015.189 17	3128.903 23	770.9056 91	7543.404 39	89.94313 39	451.1887 13	473.3957 38	117.3485 94	1133.601 13	2.585375 26	12.84097 1	13.33198 45	3.245903 29	32.05203 11	EnzymeReg
3.480817 87	19.57552 82	20.67873 88	4.992543 19	48.84780 49	555.6009 1	3071.619 55	3165.938 05	750.6479 51	7561.714 91	81.07419 86	454.5747 35	476.7827 1	114.4839 73	1129.664 58	2.320298 87	12.96344 54	13.43760 45	3.187172 33	31.98469 29	EnzymeReg
4.085917 47	19.42297 55	20.43536 55	5.268201 38	49.24283 59	654.1658 43	2967.619 88	3097.504 59	797.7721 37	7521.589 01	95.42475 21	448.4170 55	470.3243 98	120.9528 57	1135.813 89	2.747026 94	12.73304 52	13.24104 98	3.338295 28	32.07867 04	EnzymeReg
0	16.81823 1	23.71940 78	10.07853 6	50.61617 48	0	2524.063 94	3503.191 98	1472.168 92	7499.424 84	0	385.5456 91	542.1753 68	230.6114 6	1158.332 52	0	10.82149 91	15.19658 33	6.474187 7	32.49227 01	EnzymeReg
0	18.62393 45	23.35740 75	8.419023 4	50.40036 54	0	2786.832 31	3438.837 12	1211.381 66	7437.051 09	0	426.6039 89	533.8779 93	192.1091 11	1152.591 09	0	11.94886 93	14.95529 58	5.353916 97	32.25808 21	EnzymeReg
0	17.04561 03	24.04206 49	9.498587 71	50.58626 3	0	2554.624 92	3546.437 34	1385.039 88	7486.102 14	0	390.6276 51	549.3632 95	217.2192 32	1157.210 18	0	10.95464 95	15.38530 22	6.093671 88	32.43362 36	EnzymeReg
0	19.02295 49	23.05548 32	8.275887 56	50.35432 56	0	2846.421 58	3393.669 23	1186.472 76	7426.563 56	0	435.7301 26	527.0827 7	188.7501 57	1151.563 05	0	12.20330 34	14.76992 87	5.250671 8	32.22390 39	EnzymeReg
0	17.77630 13	23.99878 11	8.723084 83	50.49816 72	0	2660.247 67	3534.786 62	1264.295 29	7459.329 58	0	407.2174 65	548.3129 9	199.2444 91	1154.774 95	0	11.40837 86	15.34906 86	5.573239 22	32.33068 63	EnzymeReg
0	16.87823 93	23.80456 11	9.925480 26	50.60828 07	0	2532.129 37	3514.604 99	1449.174 45	7495.908 81	0	386.8868 85	544.0723 54	227.0770 8	1158.036 32	0	10.85663 92	15.24638 86	6.373764 71	32.47679 25	EnzymeReg
4.042562 64	23.14424 93	15.14142 7	5.138867 71	47.46710 66	662.9037 55	3623.894 04	2357.704 58	780.3211 7	7424.823 55	94.99741 93	537.1942 1	350.6760 67	118.3291 5	1101.196 85	2.731471 81	15.18332 97	9.853142 01	3.287232 53	31.05517 6	EnzymeReg
3.717949 64	25.05942 86	15.43140 94	4.652485 09	48.86127 27	590.9303 23	3867.233 98	2356.928 13	681.6451 71	7496.737 6	86.63482 56	578.9776 51	354.8737 85	105.6264 06	1126.112 67	2.498001 2	16.39676 91	9.851166 82	2.811318 91	31.55725 61	EnzymeReg
3.716658 13	25.06385 32	15.40738 25	4.676156 55	48.86405 04	590.9110 12	3868.968 56	2354.404 5	685.2387 85	7499.522 86	86.61128 8	579.1166 16	354.3458 94	106.1646 32	1126.238 43	2.497686 38	16.40187 39	9.835744 23	2.825294 08	31.56059 86	EnzymeReg
3.871327 01	24.14220 18	15.19731 84	4.981016 1	48.19186 33	625.9667 74	3755.212 29	2347.577 81	743.6365 38	7472.393 41	90.62361 88	559.1301 17	350.7908 78	113.8981 75	1114.442 79	2.610681 8	15.82449 51	9.792673 14	3.097361 67	31.32521 17	EnzymeReg
3.816227 98	24.72273 51	17.25975 15	2.851188 52	48.64990 31	592.3998 04	3735.239 84	2548.965 25	408.1864 73	7284.791 36	88.42593 87	568.4029 88	395.0440 61	64.66969 19	1116.542 68	2.521957 57	16.00832	11.02476 01	1.747867 62	31.30290 53	EnzymeReg
3.743317 67	24.97251 98	15.90334 89	4.187526 65	48.80671 31	591.3096 32	3833.163 08	2406.497 58	611.0588 32	7442.029 12	87.09715 55	576.2480 73	365.2427 1	95.05448 24	1123.642 42	2.504184 92	16.29650 1	10.15409 98	2.536816 27	31.49160 19	EnzymeReg

1.907616 92	12.64150 42	22.33131 5	11.31953 25	48.19996 86	292.5909 87	1901.183 5	3351.416 81	1704.413 01	7249.604 32	44.04570 33	290.3380 61	512.8046 84	259.7663 86	1106.954 83	1.244040 46	8.133904 77	14.30998 61	7.182546 01	30.87047 73	EnzymeReg
2.311673 43	12.18381 73	21.64917 96	11.32108 32	47.46575 35	352.1879 52	1882.835 71	3312.055 74	1714.191 47	7261.270 88	53.33945 48	281.3973 95	499.3431 19	260.4734 11	1094.553 38	1.508666 66	7.893989 81	13.94607 38	7.259711 65	30.60844 2	EnzymeReg
2.310776 01	12.18407 76	21.65012 74	11.32125 76	47.46623 86	352.0685 02	1882.887 29	3312.169 61	1714.229 82	7261.355 22	53.31924 27	281.4034 78	499.3634 6	260.4777 62	1094.563 94	1.508091 39	7.894059 11	13.94638 1	7.259715 17	30.60824 66	EnzymeReg
1.601558 63	12.42974 93	22.42918 86	11.44968 74	47.91018 39	256.9857 72	1923.073 51	3400.759 56	1741.358 06	7322.176 89	37.32321 34	286.9396 81	515.9443 58	263.6026 41	1103.809 89	1.052803 39	7.973336 98	14.21560 82	7.253242 03	30.49499 06	EnzymeReg
2.559910 49	12.11182 73	21.38699 51	11.27283 86	47.33157 15	385.2292 95	1868.569 56	3280.558 35	1703.584 35	7237.941 57	58.93036 11	279.7145 96	493.7164 52	259.2700 62	1091.631 47	1.667793 68	7.874822	13.86111 6	7.258739 9	30.66247 16	EnzymeReg
1.957732 51	12.28646 19	22.02300 69	11.38987 12	47.65707 26	305.0770 02	1903.176 65	3356.965 29	1729.315 3	7294.534 23	45.36783 86	283.7967 6	507.3657 22	262.1891 68	1098.719 49	1.281780 45	7.921319 63	14.06720 82	7.261097 19	30.53140 55	EnzymeReg
0.769786 7	18.76120 5	22.25460 44	8.922385 85	50.70798 2	118.5742 36	2828.464 41	3381.187 26	1378.968 11	7707.194 02	17.70219 16	430.3671 88	510.9407 18	205.1734 63	1164.183 56	0.498580 18	12.14423 48	14.27199 11	5.646206 81	32.56101 29	EnzymeReg
0.625893 72	18.64496 3	21.76338 82	9.163999 74	50.43931 36	95.57601 08	2898.800 56	3338.891 79	1390.474 98	7760.268 14	14.38799 1	431.0929 6	500.9350 41	210.1596 37	1162.115 91	0.407550 39	12.24574 55	14.03203 37	5.795316 93	32.63338 22	EnzymeReg
0.828205 71	18.62153 5	21.96665 77	9.140247 09	50.65668 05	127.2268 86	2847.239 7	3367.523 88	1416.483 19	7773.630 15	19.04344 88	428.6728 46	505.1846 53	210.1943 85	1165.394 35	0.537316 88	12.14460 39	14.11982 12	5.782044 95	32.64716 67	EnzymeReg
0.853755 98	18.61857 63	21.99232 89	9.137247 34	50.68413 21	131.2241 21	2840.728 01	3371.139 86	1419.767 8	7775.317 66	19.63139 33	428.3672 07	505.7213 43	210.1987 74	1165.808 39	0.553705 28	12.13183 05	14.13090 8	5.780368 81	32.64890 75	EnzymeReg
0.134298 74	19.25308 07	22.70707 87	8.289745 79	50.38420 39	20.68673 06	2884.475 1	3360.272 86	1202.839 62	7468.274 32	3.088364 57	441.1022 17	519.5699 3	189.2937 92	1153.054 3	0.086983 43	12.36885 56	14.55493 7	5.248317 68	32.25909 37	EnzymeReg
0.183355 23	19.21511 03	22.67214 99	8.338582 44	50.40919 79	28.24315 63	2880.151 36	3361.887 35	1216.435 86	7486.717 72	4.216478 91	440.2735 27	518.9037 98	190.5196 23	1153.913 43	0.118756 64	12.35151 6	14.53309 5	5.279032 73	32.28240 03	EnzymeReg
9.644593	31.01457 84	6.533596 32	2.132485 85	49.32525 35	1475.959 16	4774.327 65	985.0190 78	313.8014 35	7549.107 33	222.5002 85	716.4301 33	149.8118 21	48.61402 53	1137.356 26	6.300793 41	20.27389 67	4.182107 71	1.330095 81	32.08689 36	EnzymeReg
9.626395 96	31.00549 25	6.740116 78	1.894219 02	49.26622 43	1457.245 73	4755.859 67	1017.513 63	279.6509 01	7510.269 94	221.5109 65	715.7889 97	154.6020 4	43.19568 58	1135.097 69	6.268412 92	20.26253 81	4.315385 46	1.178561 42	32.02489 79	EnzymeReg
9.410742 45	30.54991 65	6.931093 36	3.018119 77	49.90987 2	1497.893 57	4787.376 78	1077.445 62	439.8451 59	7802.561 14	219.1685 34	707.8716 53	160.0793 4	68.49024 13	1155.609 77	6.233534 87	19.99285 95	4.464991 8	1.849381 74	32.54076 79	EnzymeReg
9.651399 17	30.95981 28	6.079097 5	2.881587 12	49.57189 66	1526.831 53	4823.095 37	918.5028 91	421.0199 96	7689.449 79	224.4388 55	716.6165 65	139.4449 18	65.60498 53	1146.105 32	6.371229 6	20.25556 37	3.893204 38	1.799163 51	32.31916 12	EnzymeReg
9.636949 28	30.93520 12	6.130254 37	2.889785 03	49.59218 98	1525.093 99	4820.950 7	928.0463 8	422.1503 26	7696.241 4	224.1224 06	716.0914 89	140.6838 83	65.77822 64	1146.676	6.362961 92	20.23979	3.927536 54	1.802178 79	32.33246 72	EnzymeReg
9.642573 85	30.94478 12	6.110341 74	2.886594 03	49.58429 08	1525.770 32	4821.785 51	924.3316 11	421.7103 49	7693.597 79	224.2455 83	716.2958 73	140.2016 2	65.71079 29	1146.453 87	6.366180 08	20.24592 98	3.914172 87	1.801005 11	32.32728 79	EnzymeReg
3.470869 3	20.33625 07	22.79414 39	2.901192 54	49.56633 46	537.1340 75	3100.246 7	3460.139 75	422.0939 71	7528.435 12	80.42986 57	469.2614 38	526.0104 64	66.19973 43	1143.354 96	2.338239 34	13.42195 25	14.96605 74	1.865325 77	32.63128 62	EnzymeReg
2.986856 31	20.73305 03	23.81538 19	2.798724 88	50.66876 44	477.0589 87	3239.733 67	3730.917 24	417.4276 89	7911.361 72	69.77257 51	480.5921 01	551.2080 47	64.02370 91	1173.213 22	2.047215 85	13.74517 81	15.53331 13	1.760625 78	33.29443 58	EnzymeReg
3.164873 89	20.60361 35	23.42758 74	2.642428 84	50.10414 86	495.8743 49	3174.154 2	3622.875 24	386.1235 85	7715.708 99	73.59933 59	476.2342 13	541.4336 7	60.22781 61	1157.539 41	2.155342 94	13.63082 67	15.30778 19	1.665934 06	32.92502 91	EnzymeReg
3.240846 79	20.53723 23	23.27031 53	2.706675	49.97061 95	506.1183 62	3155.804 36	3582.471 08	395.0543 55	7669.212 41	75.29522 78	474.5030 04	537.6043 79	61.71053 1	1154.017 68	2.200752 67	13.57896 71	15.22293 81	1.715439 26	32.85209 83	EnzymeReg
3.280217 46	20.50283 23	23.18881 38	2.739968 64	49.90142 21	511.4270 14	3146.295 11	3561.532 84	399.6824 58	7645.116 96	76.17407 29	473.6058 57	535.6199 63	62.47890 34	1152.192 65	2.224284 9	13.55209 25	15.17897 04	1.741093 85	32.81430 41	EnzymeReg
3.111149 61	20.50160 18	23.64880 34	4.347734 39	51.63491 33	518.2325 71	3315.981 78	3727.722 52	677.8234 56	8243.298 64	73.23886 76	479.1779 73	548.7158 07	100.6611 72	1202.376 86	2.113393 06	13.62662 07	15.52027 13	2.833082 21	34.10929 7	EnzymeReg
0.717246 94	14.08611 55	22.66177 61	11.21222 29	48.67736 14	111.4074 05	2163.077 69	3410.095 21	1661.961 81	7346.542 12	16.64623 28	325.0879 5	520.4053 76	256.8808 04	1119.020 36	0.483169 4	9.225193 04	14.62420 28	7.150023 87	31.48258 92	EnzymeReg
0.244565 81	14.48407 6	21.74741 72	11.54342 05	48.01947 95	37.98753 29	2279.479 96	3338.322 9	1754.301 88	7410.092 28	5.676007 93	335.7495 33	500.8438 23	265.2396 56	1107.509 02	0.164750 39	9.545022 61	14.02687 51	7.345740 8	31.08238 89	EnzymeReg
0.241662 59	14.63231 56	21.27185 31	11.31476 98	47.46060 1	36.83638 6	2311.239 75	3292.990 86	1736.151 56	7377.218 56	5.599113 73	339.7091 24	490.9654 91	260.4551 92	1096.728 92	0.155200 75	9.642999 89	13.73699 58	7.197857 19	30.73305 37	EnzymeReg
0.659614 9	14.13463 72	22.55029 21	11.25260 44	48.59714 86	102.4556 27	2177.270 13	3401.344 31	1673.220 45	7354.290 53	15.30867 91	326.3878 72	518.0203 17	257.8999 64	1117.616 83	0.444345 9	9.264188 52	14.55137 32	7.173886 82	31.43379 44	EnzymeReg
0.301267 6	14.43633 75	21.85710 17	11.50369 07	48.09839 76	46.79481 97	2265.516 6	3346.932 55	1743.224 97	7402.468 94	6.991972 04	334.4705 92	503.1903 84	264.2369 46	1108.889 89	0.202947 23	9.506656 56	14.09852 93	7.322263 03	31.13039 61	EnzymeReg
0.324275 5	14.41696 67	21.90160 84	11.48756 96	48.13042 02	50.36855 47	2259.850 69	3350.426 09	1738.730 29	7399.375 62	7.525951 12	333.9516 37	504.1425 49	263.8300 77	1109.450 21	0.218446 38	9.491088 75	14.12760 44	7.312736 44	31.14987 59	EnzymeReg
8.985503 08	22.78983 53	13.45606 23	4.211915 52	49.44331 62	1346.380 57	3445.000 01	2011.770 95	656.3775 44	7459.529 08	206.0730 86	523.3165 88	308.6887 48	97.57747 64	1135.655 9	5.843498 23	14.70767 89	8.634816 64	2.746222 08	31.93221 58	EnzymeReg

9.13079418	22.845698	12.9516435	4.78265617	49.7107918	1358.00751	3446.38359	1943.17814	768.279502	7515.84873	208.672638	523.69123	296.923587	111.547187	1140.83464	5.86971145	14.6175543	8.28694775	3.19411768	31.9683312	EnzymeReg
9.1338628	22.1640446	12.8782893	5.09745005	49.2736467	1361.59013	3370.82725	1955.83563	800.679192	7488.9322	208.909171	509.099527	295.784504	118.295664	1132.08887	5.84790844	14.1978995	8.28219621	3.37977019	31.7077743	EnzymeReg
9.05091434	22.8149852	13.2289687	4.46886773	49.563736	1351.61512	3445.62291	1980.8899	706.75674	7484.88466	207.243426	523.485255	303.391974	103.866757	1137.98741	5.85529964	14.667104	8.47820316	2.94786842	31.9484752	EnzymeReg
9.07941908	21.7996839	13.0357709	5.03584264	48.9507165	1358.91163	3332.2934	1988.63348	773.853712	7453.69222	208.026412	501.616333	299.745243	116.306634	1125.69462	5.82684162	14.021565	8.41385564	3.30054935	31.5628116	EnzymeReg
8.95974896	22.7799332	13.545475	4.11074675	49.3959038	1344.3196	3444.75476	2023.92963	636.541942	7449.54593	205.612292	523.25018	310.774226	95.1012228	1134.73792	5.83885171	14.7236542	8.69647944	2.66682866	31.9258141	EnzymeReg
5.58522934	25.8925275	9.983968	5.22833012	46.690055	840.342386	3884.29503	1546.52357	825.574147	7096.73513	128.061371	592.721191	229.784121	120.560049	1071.12673	3.58435041	16.4431584	6.38508419	3.27824305	29.690836	EnzymeReg
5.69885321	25.7976573	9.9886320	5.23010881	46.7152514	857.603304	3871.24907	1547.9619	825.717956	7102.53223	130.681533	590.601366	229.908111	120.59813	1071.78914	3.65877147	16.3880867	6.38818259	3.28016996	29.7152107	EnzymeReg
6.02745219	25.4955163	10.710163	5.10476567	47.3378976	888.558635	3774.08307	1645.85227	796.667402	7105.16138	137.769421	582.352247	246.126335	117.5191	1083.76771	3.88198683	16.2348778	6.82219361	3.20708482	30.1461431	EnzymeReg
6.17827272	25.3471242	11.288974	5.00159692	47.8159687	896.134078	3708.69721	1723.56498	773.027681	7101.42395	140.851385	577.825066	259.117197	114.990454	1092.7841	3.98723304	16.1666767	7.17006038	3.14602901	30.4699992	EnzymeReg
4.71590276	26.6183713	9.9482837	5.21472157	46.4972793	708.280574	3984.10856	1535.51904	824.473876	7052.38204	108.014731	608.939797	228.835483	120.268689	1066.0587	3.01496119	16.8645072	6.36137862	3.26350045	29.5043474	EnzymeReg
5.84529579	25.6747398	10.011092	5.22936973	46.760498	879.409249	3853.05411	1551.99324	825.218733	7109.67533	134.047122	587.820037	230.436369	120.57312	1072.87665	3.75487368	16.3172491	6.40205088	3.28082603	29.7549996	EnzymeReg
2.06753405	19.5837652	17.4653066	10.37241 03	49.4890163	317.124767	3071.37732	2693.18548	1590.84739	7672.53495	47.8691544	455.000068	403.597404	238.846922	1145.31358	1.38666584	13.0788611	11.3847256	6.61185462	32.4621071	EnzymeReg
3.47396863	20.99722	17.0081841	8.97097573	50.4503485	535.286528	3242.83993	2589.09355	1345.30339	7712.52339	80.3581859	484.533539	391.230037	205.88806	1162.00982	2.27927573	13.6184899	10.9476503	5.73819902	32.5836149	EnzymeReg
2.37496978	20.3038714	17.0233974	10.02340 17	49.7256403	361.685202	3153.86634	2651.27349	1551.37201	7718.19705	54.802496	470.674376	394.71229	231.589498	1151.77866	1.57505943	13.4912236	11.2107218	6.4736427	32.7506475	EnzymeReg
2.91240119	21.0254086	16.6978115	9.46905302	50.1046755	443.669688	3239.2473	2603.04348	1463.80926	7749.76973	67.1429697	486.027686	387.258559	218.971802	1159.40105	1.91317979	13.8273406	11.0090817	6.16308065	32.9126827	EnzymeReg
2.57527112	20.7730371	16.7354834	9.79601465	49.8798063	390.717346	3207.60983	2623.96687	1525.6529	7747.94695	59.3197269	480.886546	388.92341	226.86112	1155.9908	1.69780217	13.7598873	11.0973543	6.38359446	32.9386382	EnzymeReg
3.30872325	21.0055147	16.9168546	9.11753884	50.3486314	508.327561	3241.78277	2593.19843	1380.17466	7723.48341	76.4695057	484.973204	390.061408	209.738053	1161.24217	2.17154915	13.6799458	10.965727	5.86322374	32.6804457	EnzymeReg
1.85092105	14.7910947	22.7329957	10.49907 29	49.8740843	301.758162	2321.1252	3520.98587	1573.23653	7717.10576	43.4452234	342.836398	525.087356	240.357536	1151.72651	1.26530902	9.77319566	14.8348867	6.6591617	32.532553	EnzymeReg
1.90492277	14.7932595	22.6831145	10.52855 34	49.9098501	311.147162	2320.89589	3522.88212	1584.65642	7739.58159	44.7485487	342.914238	524.27858	241.264482	1153.20585	1.30488 28	9.78546157	14.8202337	6.69122506	32.6018032	EnzymeReg
1.58970969	14.7806233	22.9742759	10.35647 27	49.7010816	256.342636	2322.23438	3511.81348	1517.9974	7608.3879	37.1409092	342.45988	528.999487	235.970546	1144.57082	1.07388673	9.71386421	14.9057642	6.50406806	32.1975832	EnzymeReg
1.73359729	14.7863914	22.8413673	10.43502 36	49.7963797	281.35966	2321.62339	3516.86607	1548.42573	7668.27485	40.6136242	342.66728 4	526.8445	238.387108	1148.51252	1.17933 12	9.74654678	14.8667215	6.58950099	32.3821005	EnzymeReg
2.97948954	15.3494671	21.7048987	9.76471776	49.7985731	459.561194	2352.71282	3352.77458	1481.54011	7646.58871	69.2060307	355.03822	501.001617	224.256113	1149.50198	2.00108416	10.0853528	14.0709192	6.27613157	32.4334877	EnzymeReg
2.07814579	14.8002036	22.5231087	10.62311 92	50.024574	341.264602	2320.16033	3528.96482	1621.28841	7811.67816	48.92927 32	343.163928	521.684239	244.173728	1157.95117	1.43182505	9.8248074	14.7732311	6.79407586	32.8239394	EnzymeReg
2.92336053	18.2031444	20.6752217	6.50668926	48.3084158	449.204773	2762.457	3136.23238	991.036402	7338.93056	67.5511516	419.015727	475.548739	149.736355	1111.85197	1.93698368	11.9177073	13.4171477	4.18589324	31.4577319	EnzymeReg
2.94059992	17.9230392	20.7551214	6.63394247	48.252703	453.859832	2728.12095	3135.32221	1014.59634	7331.89934	67.9814672	412.894211	476.961469	152.844004	1110.68115	1.94169357	11.741821 9	13.4477411	4.27443063	31.4056872	EnzymeReg
2.79176793	17.8075263	20.6112826	7.29212851	48.5027054	421.922095	2712.6551	3046.28694	1084.43374	7265.29789	64.1436593	409.484543	471.089115	166.853129	1111.57045	1.80550426	11.5111355	13.2428245	4.65376559	31.2132299	EnzymeReg
2.96142743	17.5846343	20.8516511	6.7876815	48.1853944	459.483772	2686.63838	3134.22259	1043.05993	7323.40467	68.5013465	405.498594	478.668239	156.598463	1109.26664	1.94738376	11.5293287	13.4847 02	4.38139573	31.3428102	EnzymeReg
2.92022789	18.2540434	20.6607028	6.48356555	48.3185396	448.358883	2768.69634	3136.39777	986.755227	7340.20823	67.4729572	420.128093	475.292025	149.171651	1112.06473	1.93612783	11.9496681	13.4115884	4.16980474	31.4671892	EnzymeReg
2.89985201	18.5851103	20.5662662	6.33316021	48.3843888	442.856894	2809.27941	3137.47354	958.908845	7348.51869	66.964351	427.363343	473.622266	145.498604	1113.44856	1.93056102	12.1575536	13.375429	4.06515908	31.5287027	EnzymeReg
0.69613239	16.6031665	24.0054546	7.43897833	48.7437318	104.546396	2534.39152	3582.7974	1106.74568	7328.481	15.9728118	383.138906	551.812142	170.913773	1121.83763	0.45683625	11.0308156	15.7038252	4.79831246	31.9897895	EnzymeReg
0.79257789	16.3630475	24.2529579	7.67223936	49.1329664	116.273749	2495.57654	3650.49676	1151.80478	7422.40605	18.0828743	377.340939	558.500612	176.647613	1131.78753	0.51181118	10.7731576	15.8159651	4.9717967	32.1078733	EnzymeReg

0.755808 56	16.59130 23	24.17599 22	7.497127 61	49.02023 07	111.7251 97	2523.579 27	3614.952 75	1119.932 67	7370.189 89	17.27442 25	382.5168 02	556.1148 39	172.4799 3	1128.385 99	0.490654 74	10.96814 85	15.79881 63	4.851963 02	32.10958 25	EnzymeReg
0.672877 2	15.30476 34	23.77321 47	8.237743 66	48.29611 78	102.4881 48	2412.747 25	3663.044 01	1241.655 15	7468.614 02	15.50372 91	355.1171 38	548.5706 67	189.1914 42	1115.551 38	0.445540 39	10.13298 94	15.42277 03	5.289174 64	31.49772 97	EnzymeReg
0.713677 8	16.59967 83	24.05559 45	7.456074 8	48.82502 54	106.6570 38	2531.212 61	3592.251 41	1110.622 79	7340.743 85	16.35549 89	382.9560 01	553.0771 8	171.3742 4	1123.762 92	0.466779 23	11.01239 08	15.73175 36	4.814086 28	32.02500 99	EnzymeReg
0.799181 37	16.58267 94	24.29993 94	7.539390 7	49.22119 09	116.9427 7	2515.720 89	3638.323 35	1129.517 01	7400.504 02	18.22043 69	382.0646 55	559.2420 52	173.6182 18	1133.145 36	0.515234 11	10.92260 19	15.86785 61	4.890956 4	32.19664 85	EnzymeReg
3.625551 59	20.35850 48	22.13703 4	3.034636 66	49.15572 71	556.5253 44	3108.709 26	3364.572 97	447.2649 87	7477.072 56	83.83532 96	469.6661 73	510.5963 43	69.42056 7	1133.518 41	2.418422 15	13.38442 51	14.50248 75	1.961127 07	32.26646 17	EnzymeReg
3.678206 01	20.45587 77	21.72115 67	3.081566 27	48.93680 67	562.2900 3	3137.731 1	3324.452 54	459.8196 8	7484.293 35	84.96751 84	472.0456 49	501.0036 37	70.63218 49	1128.648 99	2.438715 6	13.41047 71	14.17877 63	1.990890 2	32.01885 92	EnzymeReg
3.747929 36	20.65060 4	21.43874 84	2.960015 61	48.79729 73	571.1544 64	3168.078 06	3298.554 37	443.7420 91	7481.528 98	86.51256 41	476.4393 82	494.7571 07	67.89749 51	1125.606 55	2.476774 45	13.51149 33	13.97545 63	1.909999 13	31.87372 32	EnzymeReg
3.940323 19	21.28399 09	21.05121 32	2.356386 89	48.63191 42	597.4123 73	3240.014 75	3266.848 79	351.6271 81	7455.903 1	90.84287 43	490.3782 48	486.9471 05	54.01564 33	1122.183 87	2.598128 33	13.88736 5	13.74343 45	1.511127 38	31.74005 51	EnzymeReg
3.947275 61	21.30687 93	21.03720 91	2.334573 93	48.62593 79	598.3612 39	3242.614 29	3265.703 07	348.2984 8	7454.977 08	90.99935 61	490.8819 49	486.6648 8	53.51400 33	1122.060 19	2.602513 62	13.90094 76	13.73505	1.496713 59	31.73522 48	EnzymeReg
3.939799 58	21.28226 72	21.05226 79	2.358029 68	48.63236 43	597.3409 11	3239.818 98	3266.935 08	351.8778 74	7455.972 84	90.83108 92	490.3403 13	486.9683 6	54.05342 31	1122.193 19	2.597798 06	13.88634 2	13.74406 59	1.512212 92	31.74041 89	EnzymeReg
1.978734 29	11.83868 2	20.66976 97	14.84731 27	49.33449 87	317.0199 16	1857.188 63	3175.941 04	2238.506 96	7588.656 55	46.26046 85	274.5428 28	476.5540 79	341.3140 18	1138.671 39	1.335805 44	7.803890 42	13.41833 55	9.617099 09	32.17513 05	EnzymeReg
1.827721 87	11.60621 67	21.30427 11	14.79922 79	49.53743 76	288.9956 64	1799.672 26	3218.150 74	2204.161 73	7510.980 39	42.52104 79	268.1632 69	489.1558 39	339.3158 17	1139.155 97	1.223402 51	7.611596 09	13.76552 51	9.540569 65	32.14109 33	EnzymeReg
1.863483 25	11.66126 7	21.15401 43	14.81061 49	49.48937 94	295.6321 11	1813.292 76	3208.155 02	2212.295 05	7529.374 95	43.40658 33	269.6740 18	486.1716 05	339.7890 13	1139.041 22	1.250020 74	7.657133 47	13.68330 68	9.558692 65	32.14915 37	EnzymeReg
2.165469 06	13.19653 12	18.82060 82	15.14772 93	49.55843 17	341.9106 08	2052.220 19	2926.048 58	2294.186 09	7647.307 73	50.42510 34	305.6133 07	435.3041 72	348.3197 44	1144.832 35	1.455246 99	8.705833 6	12.29917 36	9.772132 66	32.37109 25	EnzymeReg
2.168706 21	13.27376 83	18.73514 62	15.16502 51	49.58613 67	341.8523 37	2061.817 29	2911.798 71	2295.813 99	7646.448 28	50.47425 53	307.3148 84	433.3014 47	348.6686 91	1145.278 29	1.456336 78	8.754788 01	12.24516 51	9.777850 36	32.38220 89	EnzymeReg
1.947340 99	11.79035 58	20.80167 34	14.83731 66	49.37668 67	311.1940 78	1845.231 81	3184.715 83	2231.367 08	7572.508 79	45.48309 68	273.2166 1	479.1738 03	340.8986 21	1138.772 13	1.312438 49	7.763915 2	13.49051 13	9.601189 72	32.16805 47	EnzymeReg
4.615208 62	15.22176 15	22.77710 39	6.653568 78	50.26991 31	684.8804 1	2311.649 94	3419.436 11	979.1272 05	7553.150 76	106.4120 2	351.4482 2	521.9595 62	151.5403 77	1154.572 74	3.115130 62	10.18512 94	14.62931 69	4.193840 54	32.77830 78	EnzymeReg
4.617080 88	15.22979 85	22.80999 49	6.627158 95	50.26265 1	685.2803 51	2313.984	3426.365 36	974.9992 62	7554.956 09	106.4642 77	351.6902 78	522.7919 12	150.9341 41	1154.545 38	3.116755 17	10.19314 82	14.65440 47	4.177146 34	32.78089	EnzymeReg
4.642841 04	15.34037 8	23.26253 55	6.263791 27	50.16273 4	690.7830 67	2346.097 77	3521.703 55	918.2037 22	7579.795 28	107.1832 63	355.0207 04	534.2440 58	142.5930 65	1154.168 92	3.139106 98	10.30347 76	14.99958 21	3.947454 16	32.81641 86	EnzymeReg
4.581721 31	16.26875 35	20.91879 01	8.422265 62	50.43466 14	677.1357 1	2444.202 04	3101.995 88	1257.736 79	7519.411 93	105.4465 42	374.3231 5	477.7135 7	192.3942 04	1155.508 37	3.086373 97	10.82552 14	13.33196 17	5.335609 37	32.73832 99	EnzymeReg
4.672247 17	15.46660 83	23.77912 64	5.848994 36	50.04867 52	697.0646 08	2382.756 77	3630.535 42	853.3696 27	7608.150 09	108.0040 11	358.8225	547.3170 83	133.0714 34	1153.739 17	3.164622 36	10.42942 25	15.39361 42	3.685252 51	32.85697 57	EnzymeReg
4.580033 02	15.79497 57	21.38672 58	7.938179 54	50.42755 18	677.0067 65	2373.807 32	3171.562 09	1181.227 63	7518.351 62	105.4114 97	363.4462 52	488.4656 67	181.1827 13	1155.358 21	3.084791 55	10.51119 26	13.64183 38	5.020307 63	32.73356 91	EnzymeReg
0.991333 62	15.93602 52	20.34109 59	7.694901 81	44.96335 65	157.5199 93	2382.913 64	3034.409 57	1136.374 66	6711.217 86	23.08121 58	365.2538 92	466.0644 33	176.7332 62	1031.132 8	0.660584 21	10.21946 9	12.99453 5	4.932881 23	28.80746 95	EnzymeReg
1.391563 93	15.70949 76	21.12196 22	8.390614 38	46.61363 81	214.8093 26	2407.062 32	3213.979 78	1228.771 28	7064.622 7	32.08988 7	361.6831 55	486.2349 73	191.4565 32	1071.464 55	0.900881 03	10.07675 43	13.55216 9	5.275916 92	29.80572 13	EnzymeReg
1.073361 16	15.88959 82	20.50113 51	7.837488 68	45.30158 31	169.2614 89	2387.862 93	3071.212 63	1155.311 42	6783.648 48	24.92755 04	364.5220 67	470.1984 02	179.7508 08	1039.398 83	0.709833 25	10.19021 95	13.10882 26	5.003186 67	29.01206 2	EnzymeReg
1.108906 21	15.86947 99	20.57048 5	7.899275 95	45.44814 71	174.3494 41	2390.007 61	3087.160 53	1163.517 31	6815.034 89	25.72762 4	364.2049 44	471.9897 78	181.0584 04	1042.980 75	0.731174 37	10.17754 48	13.15834 69	5.033652 19	29.10071 83	EnzymeReg
1.025504 16	15.84146 67	19.96159 17	7.565759 84	44.39432 24	159.3909 33	2336.494 81	2948.385 95	1127.578 58	6571.850 28	23.85899 46	362.3254 83	456.4304 49	174.2992 34	1016.914 16	0.679934 18	10.12730 64	12.69564 66	4.887031 58	28.38991 88	EnzymeReg
1.165546 21	15.70421 59	19.89085 22	7.663841 16	44.42445 55	177.1082 69	2307.569 42	2933.080 79	1147.045 81	6564.804 29	27.01782 52	359.0534 97	454.7334 51	176.6054 13	1017.410 19	0.763116 09	10.01571 25	12.62363 95	4.949135 63	28.35160 37	EnzymeReg
1.776398 95	11.68494 4	22.22317 53	13.69295 04	49.37746 86	269.3716 27	1765.080 5	3307.186 73	2055.331 93	7396.970 78	40.76806 89	268.4120 78	508.8243 06	314.4928 63	1132.497 32	1.151476	7.558885 5	14.31221 89	8.850346 66	31.87292 71	EnzymeReg
1.861842 37	11.89113 91	22.19707 35	13.20421 75	49.15427 25	280.4469 76	1790.502 01	3318.660 39	2009.838 87	7399.448 25	42.65563 6	273.1657 66	508.9772 36	304.1945 54	1128.993 19	1.199109 54	7.673670 88	14.31870 94	8.579230 46	31.77072 03	EnzymeReg
1.710046 39	11.52481 96	22.24344 51	14.07248 42	49.55079 53	260.7708 76	1745.338 99	3298.276 65	2090.660 34	7395.046 85	39.30224 63	264.7205 2	508.7055 45	322.4901 91	1135.218 5	1.114485 35	7.469746 95	14.30717 87	9.060886 58	31.95229 76	EnzymeReg

1.78850065	11.7141482	22.2194784	13.6237292	49.3458564	270.940274	1768.68105	3308.81179	2048.88856	7397.32167	41.0354127	269.085362	508.845966	313.034272	1132.00101	1.15822253	7.57514302	14.3131382	8.81194737	31.8584511	EnzymeReg
1.93871162	11.7770719	20.837931	14.8345688	49.3882834	309.592676	1841.94512	3187.12783	2229.40448	7568.07011	45.2694135	272.85206	479.893911	340.784437	1138.79982	1.3060154	7.75292684	13.5103509	9.59681656	32.1661097	EnzymeReg
1.82077884	11.7920431	22.2096178	13.4390992	49.261539	275.124238	1778.2846	3313.14623	2031.70253	7398.2576	41.748484	270.881176	508.903739	309.143852	1130.67725	1.17621718	7.6185058	14.3155901	8.70952708	31.8198402	EnzymeReg
3.10806862	16.6456149	22.1411837	7.0585784	48.9534251	479.101847	2463.79661	3232.64821	1036.54045	7212.08712	71.9809666	381.467022	505.555271	161.411071	1120.41433	2.06671309	10.7514177	14.2107392	4.59955944	31.6284295	EnzymeReg
3.08090177	16.5551617	22.0809064	7.2428469	48.9598168	478.366286	2445.22367	3200.95215	1062.77604	7187.31814	71.425806	379.028593	503.528101	165.573788	1119.55629	2.056384	10.6764646	14.1593324	4.74594645	31.6381275	EnzymeReg
2.97017307	16.7442177	22.1219827	7.2707552	49.1071287	455.717062	2578.44082	3310.13496	1096.64617	7440.93901	68.6674079	387.43611	507.435248	167.171252	1130.71002	1.9742587	11.062339	14.3065486	4.70629536	32.0494417	EnzymeReg
3.02011743	16.7869476	22.1692686	7.0921798	49.0685136	461.422935	2566.30134	3315.5961	1064.60051	7407.92088	69.7978362	387.854492	508.46595	162.923351	1129.04163	2.00211535	11.0469654	14.3220219	4.57814283	31.9492456	EnzymeReg
3.18379789	16.897759	22.3092102	6.5448406	48.9356077	481.152267	2515.56981	3321.00292	963.407162	7281.13216	73.5285109	388.264293	511.206133	149.807241	1122.80618	2.09550608	10.9603542	14.3540386	4.19149667	31.6013955	EnzymeReg
3.14506686	16.893848	22.287567	6.6454253	48.9719072	475.697732	2535.93112	3329.25863	984.429542	7325.31702	72.625911	388.90119	511.044532	152.296067	1124.8677	2.07180637	11.0085042	14.3607327	4.2575343	31.6985776	EnzymeReg
3.94031053	21.7879488	17.2818463	5.5046943	48.5147999	590.453457	3236.6838	2552.29061	801.206461	7180.63433	90.5841215	499.727587	395.748893	125.617179	1111.67778	2.59610485	14.1306364	11.1343377	3.50761192	31.3686908	EnzymeReg
4.18680244	21.6531508	17.2939517	5.4474582	48.5813632	627.261173	3193.43719	2544.47722	783.716908	7148.89249	96.2025514	496.000819	395.643384	124.050371	1111.89713	2.75505896	14.0420564	11.1225274	3.46325149	31.3828942	EnzymeReg
3.59495269	21.9773746	17.2601313	5.5915599	48.4240107	538.95971	3297.40522	2562.84596	826.862396	7226.07329	82.7135541	504.960768	395.789359	127.970116	1111.4338	2.37322033	14.2551073	11.1474369	3.57422386	31.3499884	EnzymeReg
3.56854744	22.0306675	16.9298693	6.0588479	48.5879322	540.361851	3310.95951	2536.56347	908.412043	7296.29687	82.2064567	506.165167	388.371626	139.049673	1115.79292	2.34407003	14.2896643	10.9101026	3.88751266	31.4313496	EnzymeReg
3.56452801	22.0387797	16.8795971	6.1299793	48.6128842	540.575284	3313.02273	2532.56277	920.82546	7306.98624	82.1292668	506.348499	387.242506	140.736194	1116.45647	2.33963208	14.2949245	10.8739758	3.93520121	31.4437343	EnzymeReg
3.56637385	22.0350543	16.9026838	6.0973143	48.6014254	540.47726	3312.07523	2534.40003	915.124799	7302.07732	82.164715	506.264307	387.761036	139.961686	1116.15174	2.34167053	14.2925089	10.8905664	3.91330101	31.4380468	EnzymeReg
11.5277967	14.1495168	13.7833386	9.3145404	48.7751931	1762.61505	2165.2944	2051.21925	1393.99671	7373.12542	266.698056	327.451332	316.38348	213.510919	1124.04379	7.87140861	9.69812462	9.19853683	6.10578334	32.8738534	EnzymeReg
11.1846638	12.899208	12.6761379	10.170062	47.9493922	1644.89443	1908.87745	1846.48488	1490.93783	7041.21149	255.629037	295.523443	289.491608	232.853187	1097.27309	7.25558756	8.42592877	8.18395696	6.51486819	31.0688568	EnzymeReg
11.1424032	12.7323844	12.526005	10.283975	47.8393014	1629.62991	1874.42803	1818.90893	1503.7577	6996.64096	254.2291	291.254733	285.852331	235.427122	1093.69292	7.17509633	8.25528584	8.04703573	6.56916868	30.8264322	EnzymeReg
12.6939903	13.8011924	12.613811	9.4692496	48.5782431	1888.32779	2009.04622	1901.37342	1379.95572	7178.70315	291.183205	315.439559	290.548523	216.454518	1113.62581	8.2999917	9.02164347	8.36062924	6.11871273	31.8009771	EnzymeReg
11.5960527	14.1291297	13.7148874	9.3235955	48.7636658	1769.97288	2156.14937	2042.44895	1393.17491	7361.7461	268.131144	326.748296	314.87139	213.683204	1123.43403	7.89649309	9.65853095	9.14949505	6.10654008	32.8110592	EnzymeReg
11.3843641	13.6875238	13.3855827	9.6317616	48.4696204	1717.02607	2071.66629	1976.79349	1430.3582	7251.82705	262.244365	315.694993	306.688811	220.690198	1114.19097	7.63594446	9.23229253	8.83097067	6.25827422	32.2144206	EnzymeReg
3.18544178	20.2739916	20.9067909	3.8479434	48.2141736	484.209114	3056.13707	3129.44687	568.142049	7237.9351	73.3204225	465.878101	479.492641	87.8324492	1106.52361	2.09255953	13.2354786	13.5277337	2.43813637	31.2939043	EnzymeReg
3.19964688	20.0126112	21.1037944	3.6932720	48.0093245	493.457332	3017.68208	3178.57296	540.065402	7229.77778	73.9670619	460.011125	484.532475	84.1985123	1102.70917	2.12757831	13.0664965	13.6403231	2.3277743	31.1621722	EnzymeReg
3.44748693	19.6302363	21.2307789	3.6059836	47.9144857	538.912419	3005.1973	3209.85211	537.740363	7291.70219	79.6501443	451.691493	486.944318	82.4307371	1100.71669	2.25971624	12.7478113	13.5751089	2.24936258	30.831999	EnzymeReg
3.47881674	19.5885513	21.2415612	3.5991068	47.9080361	544.47394	3004.66737	3212.49137	538.222635	7299.85532	80.3596367	450.789518	487.113051	82.3053956	1100.5676	2.27565763	12.711712	13.563634	2.24239114	30.7933948	EnzymeReg
3.19228177	20.1481326	21.0016514	3.7734696	48.1155354	488.662286	3037.62035	3153.1019	554.622673	7234.00721	73.6317902	463.053054	481.919405	86.0826477	1104.6869	2.10942154	13.1541065	13.5819499	2.38499518	31.2304731	EnzymeReg
3.19514194	20.0955042	21.0413176	3.7423256	48.0742895	490.524393	3029.87753	3162.99333	548.969505	7232.36475	73.76198	461.871751	482.934164	85.3509628	1103.91887	2.11647254	13.1200804	13.6046185	2.36277403	31.2039491	EnzymeReg
2.2671537	14.2929152	19.70592	12.2778918	48.5438808	334.580298	2141.47332	2992.49153	1863.40523	7331.95038	51.9806259	328.683606	454.474586	282.964543	1118.10336	1.48253985	9.34531112	12.9294962	7.98366698	31.7410141	EnzymeReg
2.07838915	13.5459636	20.2065973	12.4727897	48.3037397	311.955726	2049.48678	3037.9114	1872.09983	7271.45374	47.8456113	312.127694	464.93417	286.928979	1111.83645	1.36938324	8.90260489	13.2045554	8.10197243	31.578516	EnzymeReg
2.30080752	14.4260853	19.616657	12.2431445	48.5866942	338.613911	2157.87311	2984.39386	1861.85512	7342.736	52.7178355	331.635271	452.609802	282.257745	1119.22065	1.50271393	9.42423884	12.8804574	7.96257493	31.7699851	EnzymeReg
2.52061956	12.2893456	21.3772953	11.9683404	48.1556009	393.370174	1901.14851	3237.84984	1770.93821	7303.30674	58.5559894	284.226947	492.409246	274.320811	1109.51299	1.6781569	8.10564663	13.9406755	7.70372235	31.4282011	EnzymeReg

2.373032 11	12.61341 18	21.06088 96	12.13517 55	48.18250 9	367.1000 2	1939.119 98	3180.835	1802.138 12	7289.193 12	55.01399 99	291.4243 33	484.8876 66	278.4233 28	1109.749 33	1.576493 07	8.313475 58	13.73877 08	7.832793 43	31.46153 28	EnzymeReg
2.391473 69	14.78485 63	19.37617 49	12.14953 24	48.70203 72	349.4807 99	2202.055 49	2962.578 08	1857.678 99	7371.793 36	54.70393 89	339.5873	447.5859 23	280.3535 72	1122.230 73	1.557064 58	9.636876 64	12.74834 27	7.905751 23	31.84803 51	EnzymeReg
4.747217 95	16.50956 64	19.42360 76	9.045228 26	49.72562 02	718.0963 57	2476.564 08	2903.106 3	1372.012 53	7469.779 27	109.3443 01	379.4562 76	445.1811 35	207.8693 98	1141.851 11	3.142009 01	10.80282 47	12.50225 31	5.831656 92	32.27874 38	EnzymeReg
4.774114 74	16.51006 72	19.21771 66	9.107311 3	49.60920 99	724.7770 33	2476.080 09	2876.318 78	1384.408 56	7461.584 47	109.9781 58	379.4031 82	440.7481 05	209.4783 35	1139.607 78	3.150967 72	10.77335	12.39211 54	5.886843 43	32.20327 66	EnzymeReg
4.579418 44	15.62250 68	21.55706 8	7.761958 18	50.42496 38	676.9598 26	2348.181 61	3196.886 21	1153.376 08	7517.965 64	105.3987 39	359.4867 45	492.3797 42	177.1014 06	1155.303 55	3.084215 51	10.39676 78	13.75463 62	4.905528 65	32.73183 6	EnzymeReg
4.667225 81	16.50807 68	20.03593 57	8.860590 82	50.07182 91	698.2277 59	2478.003 51	2982.773 44	1335.146 25	7494.150 96	107.4591 85	379.6141 82	458.3651 45	203.0843 57	1148.522 87	3.115365 46	10.89048 37	12.82980 73	5.667530 03	32.50318 66	EnzymeReg
4.581299 97	16.15051 54	21.03557 03	8.301454 94	50.43288 71	677.1035 3	2426.634 02	3119.357 13	1238.642 82	7519.147 31	105.4377 96	371.6086 63	480.3969 11	189.5962 14	1155.470 9	3.085979 05	10.74707 61	13.40929 48	5.256921 26	32.73714 17	EnzymeReg
4.578749 01	15.43464 54	21.74261 29	7.570009 3	50.42214 47	676.9086 97	2320.268 83	3224.470 47	1123.038 82	7517.545 2	105.3848 43	355.1738 58	496.6431 43	172.6558 47	1155.244	3.083588 05	10.27213 07	13.87750 6	4.780505 81	32.72994 83	EnzymeReg
5.192748 56	23.90102 22	18.15201 36	2.382527 56	49.62831 19	804.8572 74	3754.785 76	2811.460 41	351.9612 61	7723.064 7	120.1334 39	554.4500 05	419.2022 98	54.37510 58	1148.160 85	3.396072 47	15.73880 56	11.83610 75	1.490076 68	32.46106 23	EnzymeReg
4.913390 47	24.20455 89	18.53521 76	2.307853 36	49.96102 03	748.2987 81	3748.086 86	2843.352 39	336.3953 79	7676.133 41	113.1630 1	559.7524 06	427.0845 44	52.57295 15	1152.572 91	3.198067 96	15.91380 03	12.03340 89	1.447124 05	32.59240 12	EnzymeReg
4.439419 04	24.49579 35	18.71818 88	2.451760 32	50.10516 16	677.7351 38	3739.289 81	2846.481 38	365.5922 42	7629.098 57	102.4243 69	564.7484 57	430.8849 13	56.13666 44	1154.194 4	2.924839 63	16.02960 7	12.10123 6	1.548957 87	32.60464 05	EnzymeReg
4.947294 47	24.16772 05	18.48871 04	2.316916 11	49.92064 15	755.1629 43	3748.899 86	2839.481 85	338.2845 16	7681.829 17	114.0089 69	559.1088 85	426.1279 24	52.79166 8	1152.037 45	3.222098 57	15.89256 22	12.00946 36	1.452336 95	32.57646 14	EnzymeReg
4.547320 13	24.45153 53	18.72255 71	2.392342 72	50.11375 52	691.2974 43	3741.039 45	2850.791 07	353.4677 43	7636.595 71	104.7619 06	564.0051 49	430.9627 72	54.67311 5	1154.402 94	2.980862 95	16.02108 29	12.11208 92	1.508564 7	32.62259 97	EnzymeReg
5.089607 53	24.01309 01	18.29349 53	2.354957 3	49.75115 02	783.9754 68	3752.312 48	2823.235 16	346.2142 24	7705.737 33	117.5599 06	556.4076 9	422.1124 81	53.70973 74	1149.789 81	3.322967 77	15.80341 49	11.90895 26	1.474218 26	32.50955 36	EnzymeReg
5.637728 04	24.28483 19	13.25087 9	6.708960 32	49.88239 93	850.6131 97	3679.621 22	2021.075 4	1020.482 65	7571.792 47	129.4864 4	558.1317 56	304.5406 31	153.9035 25	1146.062 35	3.655311 07	15.63236 45	8.455631 03	4.276529 04	32.01983 57	EnzymeReg
5.698478 79	24.65599 81	13.51634 65	6.174423 21	50.04524 66	862.0362 5	3752.056 31	2076.483 06	940.3839 15	7630.959 53	130.9486 86	567.0181 86	310.9671 35	141.4354 92	1150.369 5	3.708024 44	15.87848 06	8.600398 94	3.895125 59	32.08202 96	EnzymeReg
5.089082 6	23.01725 3	13.08952 63	8.324897 5	49.52075 93	748.9340 72	3383.030 47	1946.433 08	1240.720 21	7319.117 83	116.4542 8	526.5695 64	300.3114 83	190.9923 35	1134.327 66	3.269158 79	14.70267 87	8.416240 83	5.341690 24	31.72976 86	EnzymeReg
5.562134 28	23.82298 01	12.92055 09	7.374098 89	49.67976 41	836.3991 92	3589.488 33	1952.130 21	1120.151 6	7498.169 33	127.6669 29	547.0741 38	296.5439 63	169.4178 27	1140.702 86	3.589718 45	15.32611 58	8.275492 5	4.751119 37	31.94244 61	EnzymeReg
5.656204 2	24.39771 49	13.33161 58	6.546391 18	49.93192 62	854.0872 98	3701.650 95	2037.926 57	996.1221 65	7589.786 99	129.9311 54	560.8343 92	306.4951 28	150.1116 14	1147.372 29	3.671342 83	15.70721 6	8.499659 39	4.160532 54	32.03875 08	EnzymeReg
5.005632 37	22.92130 06	13.16887 96	8.421469 77	49.51728 24	733.5373 7	3354.532 31	1954.861 24	1250.841 58	7293.772 5	114.4801 21	524.0312 38	302.1683 37	193.1251 82	1133.804 88	3.214601 45	14.62134 8	8.469165 13	5.393153 86	31.69826 85	EnzymeReg
2.867676 97	17.82390 22	22.79957 19	4.812349 06	48.30350 02	431.8891 57	2680.037 17	3426.447 42	704.6008 46	7242.974 59	65.94580 94	409.0781 86	523.0714 24	109.6632 41	1107.758 66	1.896239 53	11.61816 02	14.76142 05	3.068495 61	31.34431 59	EnzymeReg
3.077304 93	16.96452 81	22.31723 12	6.277786 34	48.63685 06	469.4354 97	2552.372 53	3363.556 79	943.5725 54	7328.937 37	71.09184 95	390.1932 64	512.4426 71	144.1722 76	1117.900 06	2.022947 24	11.00076 93	14.38123 31	4.024750 21	31.42969 99	EnzymeReg
2.992799 23	16.98412 65	22.30423 86	6.144269 92	48.42543 42	460.8377 67	2572.891 91	3384.108 19	937.5534 67	7355.391 33	69.17891 49	390.8137 51	512.6962 91	141.4401 66	1114.129 12	1.967910 41	11.00635 74	14.38469 13	3.951111 15	31.31007 02	EnzymeReg
2.860878 67	17.61464 83	22.66471 7	5.096555 16	48.23679 91	435.4149 68	2661.726 22	3425.003 62	762.3764 5	7284.521 25	65.89612 79	404.6174 97	520.4915 14	116.6548 3	1107.659 97	1.889258 66	11.46166 73	14.66506 5	3.263735 11	31.27972 6	EnzymeReg
2.858340 43	17.53652 06	22.61436 71	5.202667 23	48.21189 54	436.7313 76	2654.889 58	3424.464 56	783.9477 3	7300.033 25	65.87757 87	402.9520 41	519.5282 7	119.2652 32	1107.623 12	1.886652 27	11.40323 85	14.62908 94	3.336630 33	31.25561 05	EnzymeReg
2.860245 08	17.59514 64	22.65214 89	5.123042 39	48.23058 27	435.7435 64	2660.019 68	3424.869 06	767.7609 78	7288.393 29	65.89149 78	404.2017 73	520.2510 73	117.3064 27	1107.650 77	1.888608 07	11.44708 25	14.65608 49	3.281930 89	31.27370 64	EnzymeReg
11.43159 94	29.65782 08	6.900332 28	2.310764 11	50.30051 65	1834.022 56	4637.034 06	1025.368 32	348.1097 36	7844.534 67	266.7298 3	687.6644 04	157.8366 57	52.92308 81	1165.153 98	7.732549 57	19.60142 14	4.399741 05	1.440167 97	33.17388	EnzymeReg
11.49157 2	29.58882 51	6.895679 35	2.313436 93	50.28951 33	1843.367 99	4621.772 89	1024.371 92	347.6901 91	7837.202 99	268.1177 54	685.9310 51	157.7236 48	52.94533 35	1164.717 79	7.772171 53	19.54669 18	4.397799 33	1.434922 56	33.15158 52	EnzymeReg
11.19865 41	29.92581 36	6.918405 16	2.300382 36	50.34325 52	1797.723 08	4696.311 43	1029.238 51	349.7393 32	7873.012 35	261.3388 61	694.3970 87	158.2756 07	52.83668 23	1166.848 24	7.578650 16	19.81400 21	4.407283 04	1.460542 15	33.26047 74	EnzymeReg
11.00661 42	30.14674 66	6.933304 43	2.291823 65	50.37848 89	1767.797 81	4745.179 66	1032.429 09	351.0827 69	7896.489 33	256.8945 51	699.9475 05	158.6374 77	52.76544 94	1168.244 98	7.451775 6	19.98925 34	4.413500 65	1.477338 61	33.33186 82	EnzymeReg
11.18500 39	29.94151 75	6.919464 2	2.299774	50.34575 96	1795.595 99	4699.784 98	1029.465 29	349.8348 23	7874.681 09	261.0229 6	694.7916 1	158.3013 29	52.83161 91	1166.947 52	7.569631 93	19.82645 89	4.407724 98	1.461736 04	33.26555 19	EnzymeReg

11.3305331	29.7021083	6.77482395	2.37971438	50.1871798	1814.54469	4633.4604	1007.21653	355.565142	7810.78677	264.25448	688.295415	154.973692	54.3941152	1161.9177	7.64335198	19.5902521	4.32283648	1.47237636	33.028817	EnzymeReg
1.3071804	15.3327987	21.1704459	8.84153353	46.6519586	201.124012	2349.95569	3230.32203	1310.33208	7091.73381	30.1767059	353.61707	488.054197	202.419748	1074.26772	0.84443031	9.87905055	13.6311046	5.58540175	29.9399872	EnzymeReg
1.3148635	15.3648607	21.1671543	8.80362596	46.6505045	202.361592	2354.88119	3229.11964	1303.43833	7089.80075	30.3508277	354.305022	487.920547	201.495665	1074.07206	0.84953964	9.89585128	13.6249528	5.55923483	29.9295786	EnzymeReg
1.3256277	15.4097806	21.1625427	8.75051634	46.6484674	204.095476	2361.78195	3227.43506	1293.77999	7087.09248	30.5947773	355.26862	487.7333	200.200998	1073.79794	0.85669796	9.9193896	13.613334	5.52257422	29.9149958	EnzymeReg
1.0208044	15.9462448	21.9820035	7.95369475	46.9027474	153.593242	2393.39684	3361.83908	1183.56171	7092.39087	23.4535034	366.408074	507.152963	182.145834	1079.16037	0.66157027	10.2476836	14.2200974	5.03082078	30.1601721	EnzymeReg
1.0963208	14.4528673	21.2607828	9.88189331	46.6918643	167.159093	2214.77718	3263.32123	1499.52847	7144.78597	25.3979972	334.736479	491.722164	227.780869	1079.63751	0.70420657	9.41796042	13.7999376	6.30354367	30.2256483	EnzymeReg
1.2555301	15.7965963	21.4513359	8.23211761	46.7355799	192.277703	2402.12435	3270.97252	1212.53608	7077.91066	28.9186078	363.429123	494.255551	188.078161	1074.68144	0.81293071	10.1398072	13.8075738	5.18662407	29.9469358	EnzymeReg
14.5998847	24.3973052	6.56089969	3.56954061	49.127630	2249.4442	3698.51112	956.874135	521.031165	7425.86062	336.163822	559.626818	149.061531	81.0709151	1125.92309	9.32696463	15.6082224	4.0961297	2.20653641	31.2378532	EnzymeReg
14.5668993	24.3498342	6.12615523	4.13832427	49.1812129	2243.83921	3689.71337	888.99327	605.210573	7427.75648	335.443777	558.740962	139.107621	94.0432065	1127.33557	9.33635144	15.6549547	3.81163703	2.54870277	31.3516459	EnzymeReg
14.6591684	24.4826232	7.34225018	2.54728629	49.03132	2259.51784	3714.32299	1078.87386	369.738558	7422.45324	337.457932	561.218934	166.951334	57.7562847	1123.38448	9.31009405	15.5242323	4.60743809	1.59157319	31.0333376	EnzymeReg
14.9871869	23.8556697	6.16607825	4.16153639	49.1704713	2293.58196	3606.99538	895.8864	601.807089	7398.27082	344.78995	547.487034	140.189037	94.423691	1126.88971	9.61625602	15.3455251	3.84888688	2.56644024	31.3771085	EnzymeReg
14.6533168	24.4742019	7.26512752	2.64818722	49.0408335	2258.52352	3712.76229	1066.83196	384.671791	7422.78956	337.330198	561.061785	165.185533	60.0575393	1123.63506	9.31175925	15.5325225	4.55696975	1.65227272	31.0535242	EnzymeReg
14.6077982	24.4086938	6.66519775	3.43308565	49.1147754	2250.78887	3700.62176	973.159189	500.835969	7425.40579	336.336565	559.83934	151.44954	77.9587767	1125.58422	9.32471267	15.5970111	4.16438137	2.12444844	31.2105536	EnzymeReg
4.7050209	18.6746062	17.6380108	7.96622889	48.9838669	718.565581	2909.2167	2724.99347	1194.48055	7547.25631	108.352138	432.462166	407.566766	182.958344	1131.33941	3.05643749	12.3122556	11.5585238	5.14964289	32.0768598	EnzymeReg
4.7165032	18.5778972	17.5327753	8.17723767	49.0044133	717.194041	2875.34202	2661.60999	1209.77908	7463.92514	108.598159	429.63079	403.410725	187.130355	1128.77003	3.07072041	12.2216156	11.4094107	5.258382	31.9601287	EnzymeReg
4.5946859	17.9969355	17.5634813	8.28936394	48.4444667	720.802141	2781.81972	2740.06341	1295.49384	7538.17911	106.79967	416.493693	407.77488	192.633179	1123.70142	3.07109314	11.9231197	11.6822458	5.502478	32.1789367	EnzymeReg
4.7033002	18.6890984	17.6537808	7.93460844	48.9807879	718.771111	2914.29295	2734.49172	1192.188	7559.74379	108.315271	432.886458	408.189564	182.333153	1131.72445	3.05429715	12.3258384	11.5808689	5.13334793	32.0943524	EnzymeReg
4.5479642	17.6429096	17.4866091	8.5243017	48.2017847	721.292537	2708.97181	2721.6554	1348.61893	7500.53867	106.176144	407.929926	406.205016	198.80686	1119.11795	3.08363854	11.7057501	11.6800016	5.71021914	32.1796094	EnzymeReg
4.7175137	18.5693863	17.5235114	8.19580753	49.0062215	717.073339	2872.36088	2656.03193	1211.12543	7456.59158	108.619811	429.381614	403.044973	187.497513	1128.54391	3.07197738	12.2136388	11.396288	5.26795159	31.9498558	EnzymeReg
5.1349875	23.9637824	18.2312461	2.36708768	49.6971037	793.163055	3753.40067	2818.0545	348.742808	7713.36103	118.692211	555.546347	420.832057	54.0024865	1149.0731	3.35513241	15.7749881	11.8769022	1.48119565	32.4882184	EnzymeReg
5.1448740	23.9530402	18.2176845	2.3697304	49.6853292	795.164664	3753.63775	2816.92584	349.293686	7715.02194	118.938895	555.358694	420.553104	54.0662649	1148.91696	3.36213981	15.768795	11.8699197	1.48271575	32.4835703	EnzymeReg
4.8728512	24.2486068	18.5908264	2.29701697	50.0093015	740.091265	3747.11475	2847.98041	334.136528	7669.32295	112.151492	560.521866	428.228381	52.3114309	1153.21317	3.16933443	15.9391947	12.0620404	1.44089096	32.6114605	EnzymeReg
5.3742861	23.4399821	17.6889674	2.80828981	49.3115254	826.119371	3666.95703	2724.66756	416.013919	7633.75789	124.148222	543.334643	408.23954	64.130191	1139.8526	3.49510344	15.4137813	11.5176297	1.76625228	32.1927667	EnzymeReg
5.3812563	23.6647115	17.8678845	2.47794581	49.3917981	841.173144	3748.30277	2782.0538	368.903199	7740.43291	124.775551	549.956511	413.186283	56.6158091	1144.53415	3.52614576	15.5954985	11.6802598	1.54869468	32.3505988	EnzymeReg
5.3797973	23.6176703	17.8304329	2.54709459	49.3749951	838.022035	3731.27519	2770.04151	378.764582	7718.10332	124.644236	548.570398	412.150813	58.1887462	1143.55419	3.51964787	15.5574608	11.6462175	1.59423461	32.3175608	EnzymeReg
2.8259208	13.0868971	27.794051	4.93034433	48.9377311	445.723035	2054.71698	4250.54142	754.884309	7552.22278	65.6056083	303.712689	641.24812	113.632345	1131.10189	1.88882989	8.7020694	18.1208652	3.19439331	32.0966325	EnzymeReg
2.8584559	13.0928437	27.8237201	4.84497551	48.9402705	449.877982	2053.59124	4253.9739	742.609626	7549.45752	66.32699	303.785001	641.96549	111.715074	1131.1495	1.90862762	8.7025605	18.1486442	3.1425949	32.1054247	EnzymeReg
2.6993356	13.5402377	27.291535	5.84124401	49.4675031	417.195165	2136.30643	4242.71084	895.504516	7706.39463	62.4378738	314.698411	630.70345	134.384351	1144.40977	1.78584524	9.0007093	17.7962467	3.74487915	32.3879826	EnzymeReg
2.4498307	13.0181577	27.4510896	5.91716807	48.9083772	397.693787	2067.7299	4210.86352	896.773932	7584.18784	57.2667293	302.876806	632.95601	135.795103	1130.55155	1.65997732	8.6963931	17.7997523	3.7931588	31.9949998	EnzymeReg
2.8981004	13.1000897	27.8598724	4.74095218	48.9433647	454.940854	2052.21952	4258.15644	727.652772	7546.08801	67.2060139	303.873113	642.83954	109.378848	1131.20751	1.93275149	8.7031587	18.1824935	3.07947768	32.116138	EnzymeReg
2.5549413	13.0373692	27.5469413	5.64136811	48.9165811	411.117121	2064.09302	4221.9528	857.118257	7575.25417	59.5973001	303.110421	635.27351	129.601	1130.70536	1.72393761	8.6979761	17.8894977	3.62581433	32.0234044	EnzymeReg

2.712745 77	14.08519 94	16.92974 77	15.03405 18	48.87257 15	444.0062 02	2191.042 65	2618.187 96	2296.406 35	7565.649 23	63.87904 38	327.1705 78	391.7424 52	346.7487 08	1132.052 8	1.879988 32	9.427529 09	11.13118 86	9.758669 45	32.26477 01	EnzymeReg
3.692880 28	14.04463 7	16.99646 4	14.29048 46	49.02446 59	583.6848 74	2171.248 34	2543.098 91	2118.650 99	7416.683 12	85.35291 15	323.3312 39	390.6407 96	328.1856 94	1127.510 64	2.360801 3	8.962545 12	10.82749 02	9.179376 21	31.33021 28	EnzymeReg
3.169546 69	14.06650 95	16.73485 61	14.70447 73	48.67538 96	516.5283 52	2190.704 32	2558.337 44	2232.087 65	7497.657 76	74.30964 36	326.2481 82	386.4573 75	339.0716 72	1126.086 87	2.143907 13	9.305942 55	10.89759 84	9.542781 4	31.89022 95	EnzymeReg
2.240501 53	14.10393 32	17.75073 7	15.32824 18	49.81103 42	348.6814 63	2167.029 92	2748.197 38	2312.113 35	7632.003 88	51.93757 82	325.7474 91	410.2870 26	352.0140 09	1148.771 99	1.497954 57	9.292457 38	11.62501 52	9.833556 36	32.48469 85	EnzymeReg
3.194489 38	14.06546 7	16.74732 47	14.68474 59	48.69202 7	519.7291 11	2189.777 02	2557.611 15	2226.681 12	7493.798 41	74.83597 88	326.1091 57	386.6567 61	338.5528 34	1126.154 73	2.154244 56	9.289575 82	10.89425 69	9.525461 08	31.86353 84	EnzymeReg
2.321810 5	14.10070 77	17.60938 26	15.27758 94	49.64945 38	365.0940 65	2171.164 33	2725.812 92	2309.408 99	7620.579 22	53.99360 82	325.9925 12	407.0941 01	351.1074 52	1145.893 35	1.563731 49	9.315713 44	11.53999 02	9.820662 65	32.44683 22	EnzymeReg
5.666221 55	13.88632 68	12.44524 69	13.01364 25	45.01143 78	827.8692 83	2028.014 05	1792.448 25	1916.128 81	6564.460 4	130.1017 02	318.0148 47	285.3853 88	298.8997 82	1032.401 72	3.599861 62	8.741820 4	7.930983 57	8.263281 33	28.53594 69	EnzymeReg
5.713238 05	13.69457 29	13.35355 7	11.52115 72	44.33831 1	835.2909 91	1991.620 91	1940.958 19	1693.838 13	6469.092 8	131.5013 03	313.5906 25	307.3764	265.9954 71	1019.715 74	3.655873 34	8.658968 92	8.546829 69	7.438538 67	28.33275 29	EnzymeReg
5.556807 91	14.32983 96	13.34649 18	10.99859 38	44.48866 78	808.3928 33	2074.884 87	1937.591 32	1616.936 67	6471.817 09	127.7735 04	327.8410 59	306.6585 85	253.4451 39	1021.484 38	3.544023 71	9.024877 88	8.507799 77	7.063657 91	28.29024 03	EnzymeReg
5.687493 09	13.79974 99	12.65943 68	12.69655 66	44.84323 65	831.3709 69	2014.016 94	1827.612 93	1868.841 42	6541.842 26	130.6743 04	316.0438 51	290.6068 01	291.9762 85	1029.301 24	3.620340 51	8.698446 51	8.078441 56	8.093680 31	28.49090 89	EnzymeReg
5.495587 18	14.57845 86	13.34372 68	10.79408 27	44.54751 16	797.8659 31	2107.471 18	1936.273 66	1586.840 4	6472.883 27	126.3145 88	333.4181 3	306.3776 6	248.5334 22	1022.176 56	3.500250 08	9.168080 54	8.492524 96	6.916944 03	28.27360 25	EnzymeReg
5.678332 61	13.83703 39	12.56719 7	12.83310 81	44.91567 16	829.8629 85	2020.044 73	1812.469 43	1889.205 51	6551.582 65	130.4277 15	316.8926 51	288.3582 25	294.9578 56	1030.636 45	3.611521 38	8.717125 27	8.014939 49	8.166718 18	28.51030 43	EnzymeReg
2.456211 03	12.38745 09	21.76571 58	11.65174 71	48.26112 48	378.3881 32	1882.620 65	3276.996 47	1726.355 56	7264.360 81	56.86879 23	285.3746 34	500.5804 13	266.8029 83	1109.626 82	1.623070 95	8.108844 16	14.15909 62	7.462320 41	31.35333 18	EnzymeReg
2.619407 93	12.11803 8	21.41723 74	11.62547 63	47.78015 96	402.6502 2	1875.116 59	3264.969 03	1732.770 02	7275.505 87	60.62408 92	280.1690 93	493.9163 92	266.7449 3	1101.454 5	1.728448 71	7.951634 49	13.94487 81	7.483842 45	31.10880 38	EnzymeReg
2.210191 44	12.84592 72	22.23152 49	11.19525 17	48.48289 52	327.9616 21	1879.703 25	3302.744 66	1668.573 32	7178.982 85	50.69768	293.6118 9	509.6495 09	256.0818 67	1110.040 95	1.433382 29	8.290214 63	14.40080 37	7.115812 14	31.24021 28	EnzymeReg
2.443287 37	12.41153 51	21.79018 52	11.62776 69	48.27277 46	375.7391 77	1882.467 39	3278.349 05	1723.320 2	7259.875 82	56.54461 76	285.8073 45	501.0568 21	266.2397 92	1109.648 58	1.613106 41	8.118371 74	14.17179 34	7.444117 99	31.34738 95	EnzymeReg
2.652523 52	12.09139 14	21.31465 48	11.35451 94	47.41308 92	400.1569 96	1865.974 85	3266.606 7	1708.310 82	7241.049 35	61.11303 93	279.3215 56	492.0410 66	260.9458 88	1093.421 55	1.733323 65	7.889951 42	13.85791 82	7.320050 59	30.80124 39	EnzymeReg
2.587280 15	12.14388 97	21.51676 01	11.88835 07	48.13628 06	405.0690 72	1883.985 65	3263.380 21	1756.499 64	7308.934 57	60.14972 39	280.9913 49	495.7357 78	272.3709 92	1109.247 84	1.723719 19	8.011477 62	14.02924 41	7.642748 55	31.40718 94	EnzymeReg
0	16.66778 14	22.75528 69	10.75728 86	50.18035 69	0	2581.640 58	3459.818 21	1588.553 71	7630.012 5	0	384.9455 02	523.8160 28	246.3603 7	1155.121 9	0	10.88984 02	14.82484 11	6.880280 88	32.59496 22	EnzymeReg
0	16.65485 36	22.38153 76	10.92994 63	49.96633 75	0	2616.738 43	3450.371 12	1621.316 71	7688.426 26	0	385.9644 87	516.9665 16	250.3829 48	1153.313 95	0	10.95634 16	14.69722 31	6.974981 05	32.62854 57	EnzymeReg
0	17.02455 42	24.01218 58	9.552292 86	50.58903 29	0	2551.794 87	3542.432 68	1393.108 32	7487.335 87	0	390.1570 45	548.6976 69	218.4593 97	1157.314 11	0	10.94231 93	15.36782 62	6.128908 91	32.43905 45	EnzymeReg
0	16.67246 57	22.89071 53	10.69472 6	50.25790 71	0	2568.922 85	3463.241 37	1576.682	7608.846 22	0	384.5762 72	526.2979 55	244.9027 85	1155.777 01	0	10.86574 34	14.87108 35	6.845966 19	32.58279 31	EnzymeReg
0	16.65584 88	22.41030 94	10.91665 48	49.98281 3	0	2614.036 54	3451.098 37	1618.794 57	7683.929 48	0	385.8860 44	517.4938 02	250.0732 84	1153.453 13	0	10.95122 23	14.70704 73	6.967690 89	32.62596 04	EnzymeReg
0	16.69310 91	23.48752 98	10.41902 1	50.59965 99	0	2512.877 52	3478.326 78	1524.365 02	7515.569 32	0	382.9491 26	537.2354 68	238.4794 08	1158.664	0	10.75955 19	15.07486 79	6.694746 02	32.52916 58	EnzymeReg
2.819958 97	21.04134 9	19.70426 13	2.979192 22	46.54476 15	407.2231 07	3155.729 22	2872.191 74	434.5316 05	6869.675 67	64.39399 89	483.2332 93	449.4355 02	68.02012 61	1065.082 92	1.842888 59	13.64435 36	12.50449 38	1.912177 2	29.90391 31	EnzymeReg
2.759440 39	20.98449 01	19.76934 04	2.998197 28	46.51146 81	399.0319 36	3144.070 33	2883.936 86	438.2064 69	6865.245 59	63.02204 06	481.8415 06	451.0141 09	68.47099 97	1064.348 65	1.801353 29	13.59315 45	12.54201 37	1.922424 1	29.85894 55	EnzymeReg
0.899194 44	19.30706 36	20.45681 73	4.635763 15	45.29883 85	136.2254 17	2958.291 1	3151.097 65	680.8019 4	6926.416 1	20.66536 11	445.6916 03	472.7792 98	105.7967 51	1044.933 01	0.573852 16	12.51701 29	13.20657 8	2.903466 19	29.20090 93	EnzymeReg
1.087123 62	19.46336 98	20.63293 52	4.273309 84	45.45673 85	164.8368 07	2944.777 42	3141.664 3	632.0474 17	6883.325 95	24.97896 78	448.1032 83	475.5853 32	97.63685 81	1046.304 44	0.688651 54	12.53265 24	13.23085 29	2.679778 68	29.13193 56	EnzymeReg
1.429176 89	19.74786 56	20.95349 05	3.613602 04	45.74413 5	216.9129 12	2920.180 94	3124.494 5	543.3084 32	6804.896 79	32.83024 08	452.4928 25	480.6926 46	82.78489 08	1048.800 6	0.897599 97	12.56111 82	13.27503 61	2.272641 01	29.00639 53	EnzymeReg
1.322647 19	19.65926 17	20.85365 61	3.819062 65	45.65462 77	200.6942 34	2927.841 31	3129.841 9	570.9454 64	6829.322 91	30.38502 59	451.1257 38	479.1020 15	87.41041 48	1048.023 19	0.832524 69	12.55225 27	13.26127 56	2.399440 71	29.04549 38	EnzymeReg
2.280381 48	15.04998 41	22.76002 4	7.885521 42	47.97591 09	352.1183 09	2279.660 2	3483.674 03	1203.512 77	7318.965 3	52.85014 14	346.9726 99	525.7589 35	181.7058 34	1107.287 61	1.513312 34	9.886969 81	14.94630 35	5.128671 19	31.47525 69	EnzymeReg

2.17414604	13.9232707	23.1133257	8.88986914	48.1006116	332.704214	2109.72703	3513.90844	1330.58317	7286.92286	50.205591	320.778159	532.602765	204.065371	1107.65189	1.43318597	9.13373649	15.1235748	5.734798	31.4252953	EnzymeReg
2.23922215	15.13134	22.7676033	7.89019509	48.0283605	346.135542	2295.40807	3482.66051	1205.62316	7329.82729	51.8993313	348.902163	525.728452	181.753505	1108.28345	1.48550395	9.93563967	14.9297555	5.11500465	31.4659037	EnzymeReg
2.03867983	15.5277336	22.8045327	7.91296682	48.2839129	316.985455	2372.13711	3477.72232	1215.90572	7382.75059	47.2666596	358.303173	525.579929	181.985777	1113.13554	1.350012	10.1727758	14.8491278	5.04841656	31.4203322	EnzymeReg
2.0951637	13.6494043	23.2352257	9.21803141	48.1978251	319.945905	2072.20794	3522.53073	1373.75615	7288.44072	48.3197839	314.452567	534.771073	211.309787	1108.85321	1.37713708	8.94442516	15.1625833	5.91489584	31.3990414	EnzymeReg
2.235046	14.1344376	23.0193337	8.63683701	48.0256543	342.54161	2138.65643	3507.26015	1297.29431	7285.7525	51.6596576	325.655557	530.930874	198.479506	1106.7256	1.47640291	9.27970649	15.093497	5.59593212	31.4455385	EnzymeReg
4.72940241	18.3568437	17.3386025	8.57872547	49.0035741	714.887779	2805.60556	2548.85385	1244.31494	7313.66213	108.931313	423.429793	395.962766	195.298322	1123.62219	3.09739177	12.031643	11.1503205	5.4783136	31.7576688	EnzymeReg
4.62372146	17.8720304	17.3782086	8.64792341	48.5218839	718.148632	2729.88068	2624.00931	1315.71348	7387.7521	107.361364	412.548536	400.223313	199.477874	1119.61109	3.0959009	11.7877367	11.4026502	5.67338243	31.9596703	EnzymeReg
4.69736904	18.7390541	17.7081409	7.82561039	48.9701745	719.479589	2931.79115	2767.23289	1184.28544	7602.78907	108.188187	434.349025	410.336396	180.178072	1133.05168	3.04691921	12.3726591	11.6578943	5.077178	32.1546506	EnzymeReg
4.66425961	18.0579999	17.3630161	8.62137977	48.7066554	716.897802	2758.92798	2595.18043	1288.32572	7359.33194	107.963581	416.722476	398.58901	197.87464	1121.14971	3.09647278	11.8812967	11.3058591	5.59855599	31.8821846	EnzymeReg
4.52678048	17.427312	17.4145392	8.71139857	48.0800302	721.139807	2660.41836	2692.94929	1381.20726	7455.71473	105.921253	402.567176	404.131507	203.311771	1115.93171	3.09453334	11.5640019	11.634112	5.85231877	32.1449659	EnzymeReg
4.66657014	18.0685995	17.3621502	8.61986688	48.7171868	716.826509	2760.58358	2593.53728	1286.76471	7357.71208	107.997905	416.960377	398.49586	197.78326	1121.23744	3.09650538	11.8866293	11.3003423	5.59429114	31.8777681	EnzymeReg
0.50836887	12.6061957	27.3067935	7.95878979	48.3801479	72.7514894	1849.81398	3974.48522	1144.25597	7041.30666	11.541712	287.989817	622.82397	181.003663	1103.35916	0.32638676	8.13430881	17.3650149	4.94524589	30.7709564	EnzymeReg
0.47911459	12.5468878	27.3224126	7.92724482	48.2756598	68.5649764	1837.8099	3973.09342	1139.00577	7018.47407	10.877543	286.530665	623.053064	180.265265	1100.72653	0.30760477	8.09118208	17.3761535	4.92691322	30.7018535	EnzymeReg
0	11.5059914	27.3782123	7.91382433	46.798028	0	1649.54647	3965.63759	1144.06162	6759.24568	0	261.69983	624.023145	180.367266	1066.09024	0	7.37927161	17.5472053	5.01612892	29.9426059	EnzymeReg
0	11.3820236	27.0218466	8.81043912	47.2143093	0	1664.3967	3992.96761	1306.27822	6963.64254	0	260.03665	619.066324	202.096534	1081.19951	0	7.36929606	17.5269448	5.71006628	30.6063072	EnzymeReg
0	11.4193699	27.1292046	8.54032679	47.0889012	0	1659.92295	3984.73423	1257.40918	6902.06636	0	260.537696	620.559606	195.550419	1076.64772	0	7.37230128	17.5330485	5.50101214	30.4063619	EnzymeReg
0.47718766	12.5429811	27.3234415	7.92516695	48.2687772	68.2892096	1837.01919	3973.00174	1138.65994	7016.97008	10.833791	286.43455	623.068155	180.216626	1100.55312	0.30636753	8.08834131	17.3768872	4.92570564	30.6973017	EnzymeReg
4.94839751	18.2765813	18.8196663	7.10065308	49.1452982	763.574582	2820.93524	2892.99251	1077.32873	7554.83106	114.413505	422.2318	434.403002	163.378985	1134.42729	3.23400141	11.9669847	12.2878606	4.59715399	32.0860007	EnzymeReg
4.82853015	18.5044109	18.3033603	7.42421352	49.0605149	742.832778	2876.53678	2839.34372	1126.53141	7585.24469	111.444471	428.228701	423.397868	170.943146	1134.01419	3.14413852	12.1673714	12.0035249	4.81426529	32.1293	EnzymeReg
4.98469471	18.157791	19.9297109	6.24523853	49.3174352	777.703987	2759.76493	3013.25609	947.591938	7498.31694	115.768739	418.125505	458.289976	143.474901	1135.65912	3.29270636	11.8049248	12.9086224	4.01573231	32.0219859	EnzymeReg
5.17727769	17.8415531	19.8055245	6.48283207	49.3071873	803.179925	2714.76713	2995.43195	983.378907	7496.75791	120.082715	410.781046	455.416704	148.935634	1135.2161	3.40558971	11.5843573	12.8307842	4.18259158	32.003323	EnzymeReg
4.81445236	18.4379597	20.0276952	6.04457544	49.3246827	755.086315	2800.09109	3027.72598	917.376814	7500.2802	111.949565	424.646297	460.575705	138.865495	1136.03706	3.19252854	12.0011593	12.970818	3.87460755	32.0391134	EnzymeReg
4.9753468	18.2253593	18.9357453	7.02790829	49.1643597	768.237878	2808.43457	2905.05415	1066.26669	7547.99329	115.081021	420.883541	436.877242	161.678366	1134.52017	3.25420492	11.9219326	12.3517867	4.54834173	32.0762659	EnzymeReg
3.00606877	17.4548823	23.1034952	4.95959063	48.5240369	450.383531	2601.45319	3448.15158	714.30828	7214.29653	69.032013	400.037735	529.653398	112.856557	1111.57971	1.97647403	11.3244391	14.9662501	3.1553912	31.4225545	EnzymeReg
2.82776804	18.5036392	22.1810034	4.81117227	48.3235829	428.519287	2802.46222	3348.87314	692.848023	7272.70266	65.285029	426.225498	508.922683	109.418487	1109.85169	1.88600247	12.1252152	14.2244681	3.03377431	31.26946	EnzymeReg
2.9026642	17.7478645	22.8855083	4.82745728	48.3634943	436.228267	2661.85263	3431.96317	702.634411	7232.67848	66.718308	407.164852	524.906677	109.92808	1108.71792	1.91675455	11.5568744	14.8197526	3.07532393	31.3687055	EnzymeReg
2.84630472	18.2029179	22.4696732	4.79859494	48.3174908	429.895318	2747.4062	3384.36126	695.548474	7257.21125	65.589097	418.601635	515.502245	109.207619	1108.90054	1.89099898	11.9009082	14.4740943	3.04061923	31.3066208	EnzymeReg
2.85465992	18.0673711	22.5997879	4.79292585	48.3147448	430.515549	2722.59031	3400.35713	696.765672	7250.22866	65.726019	415.165264	518.467909	109.112572	1108.47182	1.89325111	11.7998044	14.5866106	3.0437045	31.3233705	EnzymeReg
2.99192611	17.4949535	23.0736811	4.94151873	48.5020795	448.447513	2609.71403	3445.93749	712.711598	7216.81063	68.715574	401.012512	529.004188	112.456028	1111.1883	1.96830618	11.3562294	14.9462136	3.14444038	31.4151896	EnzymeReg
3.97475308	25.1718513	16.0649947	1.95455104	47.4210113	574.664302	3688.92068	2353.93649	288.115864	6946.37642	90.809159	574.792876	366.810487	44.7304778	1083.08831	2.60165654	16.1730295	10.2262294	1.23480055	30.4031364	EnzymeReg
3.76800707	25.1568165	15.7630171	2.02342781	47.0690359	547.525143	3706.54625	2316.89801	307.498577	6935.65633	86.263895	575.424177	360.188218	46.4508668	1076.673	2.46752197	16.2127177	9.99919765	1.26476626	30.1792236	EnzymeReg

4.059939 16	25.15408 02	16.26922 04	1.965124 84	47.64347 47	587.8330 07	3683.008 87	2381.431 05	284.8556 34	6968.316 53	92.73863 47	574.1417 31	371.3958 87	44.87784 96	1087.705 55	2.658019 24	16.14534 32	10.37394 27	1.245011 81	30.55048 63	EnzymeReg
3.763122 08	25.19796 3	15.61769 01	1.957599 98	46.92661 98	543.4438 75	3704.624 08	2294.838 11	299.7724 27	6905.058 33	86.05835 97	576.1162 39	356.8163 07	45.00878 9	1073.103 17	2.462456 48	16.23328 16	9.900029 12	1.226410 48	30.07853 24	EnzymeReg
3.904892 1	25.18642 54	15.89750 94	1.945879 48	47.23856 94	563.8646 66	3693.768 96	2331.388 25	290.7895 74	6928.383 37	89.22681 14	575.3268 8	363.0500 07	44.60961 84	1079.301 72	2.555433 57	16.19573 49	10.10509	1.226426 31	30.28229 49	EnzymeReg
3.782258 17	25.03679 93	16.18690 95	2.215435 62	47.48443 8	559.4294 61	3712.152 86	2381.242 74	330.0343 55	7024.905 13	86.86338 67	573.4055 59	370.0234 7	50.65714 6	1087.085 55	2.482297 08	16.15273 68	10.28845 43	1.376643 12	30.47292 13	EnzymeReg
3.645495 51	20.39538 67	21.97951 21	3.052412 19	49.07280 66	558.7088 35	3119.701 86	3349.376 55	452.0203 29	7479.807 58	84.26416 89	470.5674 47	506.9629 13	69.87949 16	1131.674 02	2.426108 7	13.39429 28	14.37987 53	1.972400 46	32.17267 73	EnzymeReg
3.891575 46	21.15842 82	21.29181 46	2.411823 41	48.75364 16	591.4127 28	3217.497 28	3289.335 33	357.6078 97	7455.853 23	89.77001 39	487.5062 48	492.3528 34	55.22969 42	1124.858 79	2.573318 52	13.82743 8	13.92183 12	1.548332 68	31.87092 04	EnzymeReg
3.665097 96	20.52422 16	22.20224 64	2.811369 16	49.20293 52	562.5873 66	3119.131 13	3372.758 74	410.6721 06	7465.149 34	84.75017 18	473.2024 48	512.4770 77	64.22411 72	1134.653 81	2.449407 11	13.49760 45	14.57647 01	1.814177 48	32.33765 92	EnzymeReg
3.578761 82	20.27197 73	22.50659 1	2.992934 06	49.35026 41	551.4027 29	3082.919 87	3400.224 79	436.1086 34	7470.656 02	82.82924 39	467.5517 24	519.1206 15	68.34389 91	1137.845 48	2.400388 99	13.36127 47	14.79014 37	1.934678 95	32.48648 63	EnzymeReg
3.656001 69	20.41481 56	21.89653 18	3.061776 1	49.02912 52	559.8590 67	3125.492 62	3341.371 29	454.5253 77	7481.248 35	84.49007 54	471.0422 26	505.0488 73	70.12124 67	1130.702 42	2.430157 87	13.39949 1	14.31528 5	1.978339 12	32.12327 3	EnzymeReg
3.781312 84	20.84965 9	21.73506 65	2.606345 87	48.97238 42	577.3788 4	3169.606 83	3329.950 77	383.4426 87	7460.379 13	87.32605 84	480.5423 14	502.1505 04	59.60871 04	1129.627 59	2.512991 13	13.66685 56	14.24054 81	1.677761 63	32.09815 64	EnzymeReg
2.041484 08	19.52274 84	17.50275 1	10.40198 29	49.46896 64	313.3490 25	3064.387 77	2696.736 81	1594.192 26	7668.665 86	47.28167 12	453.6719 36	404.3503 06	239.4618 66	1144.765 78	1.370702 68	13.04392 04	11.39946 94	6.623565 74	32.43765 82	EnzymeReg
1.831352 8	19.10059 84	18.20141 88	10.15669 38	49.40027 12	279.8736 71	2994.252 19	2785.978 56	1551.469 76	7627.972 38	42.33997 15	443.5130 3	419.8678 5	233.6527 06	1141.889 72	1.225384 86	12.73789 67	11.83410 75	6.474497 95	32.34047 07	EnzymeReg
1.830637 36	19.09920 98	18.20407 33	10.15552 23	49.40010 2	279.7575 97	2994.003 83	2786.324 53	1551.275 85	7627.827 23	42.32300 52	443.4788 27	419.9272 48	233.6254 41	1141.881	1.224878 58	12.73683 79	11.83580 68	6.473821 13	32.34020 93	EnzymeReg
2.581511 65	20.78765 4	16.72651 34	9.788930 34	49.88460 94	391.6218 51	3209.284 22	2623.116 13	1524.851 61	7748.873 81	59.46046 25	481.2047 09	388.7430 56	226.7138 06	1156.122 03	1.701626 25	13.76825 75	11.09382 23	6.380788 98	32.94449 51	EnzymeReg
1.738353 23	18.92009 25	18.54647 21	10.00441 58	49.37827 47	264.7854 6	2961.968 86	2830.950 27	1526.263 43	7609.105 4	40.13455 84	439.0670 14	427.5889 7	230.1085 82	1140.756 24	1.159574 77	12.60027 27	12.05499 54	6.386518 49	32.30649 6	EnzymeReg
2.604777 42	20.84214 94	16.69307 11	9.762518 46	49.90251 64	394.9940 45	3215.526 73	2619.944 36	1521.864 24	7752.329 38	59.98515 61	482.3908 92	388.0706 56	226.1645 87	1156.611 29	1.715883 29	13.79946 39	11.08065 43	6.370329 54	32.96633 09	EnzymeReg
2.823796 83	16.18408 24	24.05902 67	7.328989 87	50.39589 58	452.9659 96	2545.571 5	3723.314 98	1106.895 39	7828.747 87	65.92415 28	376.0603 64	556.0421 44	168.1798 79	1166.206 54	1.892586 59	10.75840 94	15.77906 99	4.666920 77	33.09698 66	EnzymeReg
2.849696 99	16.09794 65	24.10901 16	7.371034 87	50.42769	452.9630 26	2524.210 78	3732.437 88	1116.689 51	7826.301 2	66.37484 22	373.7893 43	557.2002 81	169.2376 78	1166.602 14	1.897852 66	10.68373 22	15.81770 45	4.698156 48	33.09744 59	EnzymeReg
2.619582 68	16.84572 12	23.67555 58	6.998078 75	50.13893 84	452.0454 98	2709.646 67	3653.351 1	1030.508 85	7845.552 11	62.33760 86	393.5142 19	547.1720 68	159.8752 92	1162.899 19	1.848647 66	11.33273 28	15.48242 26	4.422442 42	33.08624 55	EnzymeReg
2.621410 61	16.85349 89	23.67066 27	7.000571 73	50.14614 39	452.7921 05	2711.578 32	3652.438 62	1030.538 01	7847.347 06	62.39553 36	393.7118 59	547.0469 52	159.9216 23	1163.075 97	1.850932 18	11.33891 92	15.47884 06	4.423219 05	33.09191 11	EnzymeReg
2.539184 34	16.50363 41	23.89076 94	6.888429 46	49.82201 73	419.2074 02	2624.686 56	3693.485 11	1029.225 91	7766.604 98	59.78989 06	384.8214 11	552.6750 56	157.8375 19	1155.123 88	1.748167 58	11.06063 69	15.63996 66	4.388283 97	32.83705 5	EnzymeReg
2.802065 51	16.25635 41	24.01708 73	7.293712 37	50.36921 92	452.9684 89	2563.494 03	3715.660 49	1098.677 72	7830.800 73	65.54600 57	377.9658 45	555.0704 18	167.2923 42	1165.874 61	1.888168 14	10.82106 66	15.74665 39	4.640712 71	33.09660 13	EnzymeReg
1.275247 53	21.27481 76	21.40940 07	5.057810 86	49.01727 67	189.8025 01	3202.957 15	3205.493 1	746.7164 81	7344.969 24	29.37132 51	489.7364 29	491.5857 03	115.9868	1126.680 26	0.844624 89	13.98669 94	13.84859 56	3.251022 42	31.93094 23	EnzymeReg
1.279150 33	21.24600 3	21.40387 84	5.082332 61	49.01136 43	190.5034 9	3199.150 39	3204.781 96	751.5041 6	7345.94	29.46524 38	489.1041 13	491.4842 88	116.5981 98	1126.651 84	0.847697 42	13.97012 52	13.84595 51	3.269142 21	31.93291 99	EnzymeReg
1.310133 46	21.38313 33	21.31108 74	4.984009 45	48.98836 36	194.3837 88	3218.555 58	3187.848 35	728.0541 57	7328.841 87	30.12561 42	491.9565 24	489.0092 26	113.9676 48	1125.059 01	0.862392 77	14.02328 73	13.75790 42	3.183822 49	31.82740 67	EnzymeReg
1.379831 58	21.39071 92	21.14260 61	5.003781 18	48.91693 8	204.4981 46	3221.396 77	3159.038 49	725.8444 49	7310.777 86	31.68123 64	491.8991 84	484.8148 04	114.2050 53	1122.600 28	0.903425 03	13.99095 04	13.61500 23	3.180355 86	31.68973 36	EnzymeReg
1.262324 75	21.37792 99	21.42665 54	4.970447 23	49.03735 73	187.4459 5	3216.606 69	3207.610 17	729.5698 83	7341.232 69	29.05855 14	491.9958 55	491.8863 47	113.8048 03	1126.745 56	0.834247 13	14.04546 84	13.85592 62	3.186200 4	31.92184 22	EnzymeReg
1.435370 82	21.39676 41	21.00835 1	5.019536 37	48.86002 23	212.5578 15	3223.660 78	3136.081 24	724.0836 34	7296.383 47	32.92084 04	491.8534 92	481.4724 61	114.3942 3	1120.641 02	0.936121 75	13.96518 26	13.50113 03	3.177593 46	31.58002 81	EnzymeReg
3.936303 55	19.46499 26	20.51036 31	5.170449 44	49.14147 85	630.3462 81	2998.246 21	3117.719 84	780.4748 29	7535.634 31	91.89554 56	450.2015 19	472.3018 05	118.6323 4	1134.389 26	2.642951 44	12.80253 06	13.29959 59	3.278810 94	32.06151 94	EnzymeReg
3.798341 54	19.50373 74	20.57951 99	5.080310 4	49.04801 49	608.3817 82	3026.487 36	3136.360 73	764.5246 34	7548.585 77	88.64119 32	451.8470 1	474.1252 12	116.4925 45	1133.075 57	2.546981 32	12.86660 45	13.35358 25	3.223959 24	32.04570 4	EnzymeReg
3.547714 25	19.57412 27	20.70515 28	4.916560 24	48.87822 51	568.4801 98	3077.791 37	3170.224 51	735.5488 73	7572.113 91	82.72920 68	454.8362 75	477.4376 87	112.6053 07	1130.689 08	2.372638 19	12.98300 37	13.45165 66	3.124313 45	32.01697 33	EnzymeReg

4.26057512	19.3494782	20.3464836	5.39172543	49.3482624	681.500549	2931.29078	3074.80326	819.073018	7506.66761	99.5240212	445.861455	468.01224	123.86896	1137.26668	2.86660369	12.639601	13.173169	3.41546333	32.094837	EnzymeReg
3.73745425	19.5208367	20.6100411	5.04052901	49.0067662	598.688107	3038.95114	3144.58758	757.485274	7554.30169	87.2049376	452.573221	474.92943	115.54881	1132.4958	2.50462647	12.894882	13.377486	3.19975133	32.038742	EnzymeReg
4.11365837	19.4151849	20.4214597	5.28632621	49.2616292	658.582385	2961.94125	3093.75634	800.979344	7518.98478	96.0791256	448.086185	469.95775	121.38319	1136.07804	2.76632426	12.720161	13.230193	3.34932466	32.081855	EnzymeReg
7.04558712	23.9001012	13.3883863	4.73323147	49.067306	1083.75283	3639.61301	1977.14152	680.932624	7381.43999	162.419666	550.265221	306.20112	107.35704	1126.24305	4.58696473	15.590828	8.6424511	2.95393314	31.774178	EnzymeReg
7.288855	24.0304931	11.9508693	5.13240994	48.4026274	1066.95422	3561.62875	1799.22897	765.59935	7193.41129	166.34512	549.712455	274.38562	117.43667	1107.87987	4.67652519	15.452383	7.7093997	3.26796588	31.106272	EnzymeReg
6.98284444	24.4101496	12.0397354	5.0292742	48.4620037	1011.2193	3576.95763	1815.79328	755.090988	7159.06119	159.109651	557.065062	276.23574	115.17550	1107.58549	4.49305379	15.665177	7.7131448	3.19130809	31.062684	EnzymeReg
7.18428589	24.1602283	11.9812364	5.09716668	48.4229173	1047.90863	3566.86689	1804.88928	762.008461	7181.67326	163.872635	552.224968	275.01767	116.66391	1107.77927	4.61382984	15.525097	7.7106794	3.24177059	31.091374	EnzymeReg
7.55638208	23.6985817	11.8731789	5.22257546	48.3507182	1115.67998	3548.22761	1784.74777	774.786193	7223.44156	172.670665	543.284503	272.76857	119.41348	1108.13723	4.83692345	15.266345	7.7061256	3.33498328	31.144378	EnzymeReg
7.15348635	24.1984402	11.9901807	5.08678621	48.4288934	1042.29899	3568.40972	1806.55646	760.950809	7178.21598	163.144396	552.964998	275.20384	116.43648	1107.74964	4.59536377	15.546515	7.7110564	3.23405509	31.086990	EnzymeReg
1.30376308	6.6044606	26.7336016	12.5649108	47.2067375	192.007369	985.591173	4000.5376	1877.47599	7055.61213	29.8522285	151.502541	613.59918	288.43279	1083.38675	0.84942731	4.2886483	17.378017	8.15596815	30.672061	EnzymeReg
1.74586163	6.9069427	27.0663804	11.8939774	47.6131622	260.10919	1049.70355	4109.41599	1801.7441	7220.97284	40.0667308	159.092153	622.74420	273.71124	1095.61434	1.14664452	4.5522986	17.641194	7.73352855	31.073666	EnzymeReg
1.60530189	6.1047451	26.8703005	12.5174202	47.0977677	236.857044	913.967302	4030.29024	1873.59968	7054.71427	36.7705622	140.085299	616.95679	287.52865	1081.34135	1.04696488	3.9770795	17.498112	8.15071931	30.672873	EnzymeReg
1.78382851	5.8088674	26.9512333	12.4893033	47.0332519	263.410379	871.562254	4047.90534	1871.30471	7054.18269	40.8665747	133.3257	618.94467	286.99342	1080.13037	1.16391724	3.7926105	17.569215	8.14761172	30.673354	EnzymeReg
0.80413258	7.4324610	26.5071003	12.6435997	47.3872936	117.69433	1104.26734	3951.23938	1883.89878	7057.09983	18.3889927	170.420179	608.03583	289.93082	1086.77583	0.52212034	4.8049022	17.179072	8.16466516	30.670749	EnzymeReg
1.83717457	6.0164437	27.0132607	12.3089781	47.1758568	272.015568	907.246274	4071.82699	1850.59083	7101.67967	42.1108853	138.261895	620.74590	283.00332	1084.12201	1.20103687	3.9434808	17.615362	8.02810073	30.787987	EnzymeReg
3.81299413	29.7365944	12.278799	3.31062469	49.1390123	592.665105	4522.89318	1844.06881	522.795834	7482.42293	87.9489776	684.184212	280.89008	76.563772	1129.58704	2.48471902	19.336195	7.798772	2.13833979	31.758026	EnzymeReg
3.77616456	29.8853772	13.1042605	2.30906781	49.0748701	577.315262	4591.71979	2022.50499	346.382661	7537.92271	87.2399496	689.555673	302.31972	52.946441	1132.06179	2.52183157	19.479383	8.44508787	1.48415247	31.930454	EnzymeReg
4.05895275	29.5877516	12.2639569	3.09136191	49.0020232	619.721056	4493.62218	1846.97495	471.42096	7431.73914	93.4339888	680.217247	280.96339	71.075960	1125.69059	2.65810233	19.146489	7.7885673	1.97824787	31.571407	EnzymeReg
4.22316138	29.4932446	12.2857064	2.90519777	48.9073101	637.349846	4476.5583	1855.79384	430.041728	7399.74371	97.1002491	677.752515	281.83685	66.472321	1123.16194	2.77628333	19.024250	7.8065503	1.84528689	31.452371	EnzymeReg
3.78477321	29.8506003	12.9113149	2.54317446	49.0898629	580.903177	4575.63207	1980.79683	387.617959	7524.95004	87.4056797	688.300133	297.31070	58.466826	1131.48333	2.51315678	19.445914	8.2940162	1.63706401	31.890151	EnzymeReg
3.76805774	29.9181269	13.2859589	2.08860784	49.0607513	573.936497	4606.86972	2061.78188	307.551075	7550.13917	87.0838802	690.738024	307.03675	47.747859	1132.60652	2.53000068	19.510901	8.5873531	1.34015454	31.968409	EnzymeReg
10.977745	30.1799593	6.935544	2.29053702	50.3837855	1763.29917	4752.52597	1032.90873	351.284727	7900.0186	256.226442	700.781894	158.69187	52.754741	1168.45495	7.43270268	20.015587	4.4144353	1.47986361	33.342600	EnzymeReg
10.73662	30.45735	6.954251	2.279791	50.42802	1725.726	4813.882	1036.914	352.9714	7929.495	250.6463	707.7507	159.1462	52.66530	1170.208	7.273405	20.23563	4.422241	1.500952	33.43223	EnzymeReg
11.48923	29.5915101	6.8958604	2.31333291	50.2899415	1843.0043	4622.3668	1024.4107	347.706518	7837.48831	268.063741	685.998507	157.728046	52.94446	1164.73476	7.77062959	19.548821	4.3978749	1.43512669	33.152452	EnzymeReg
10.99559	30.1594235	6.9341593	2.29133256	50.3805106	1766.08074	4747.98365	1032.6121	351.159854	7897.8364	256.6395	700.26598	158.6582	52.76136	1168.325	7.44449572	19.99930	4.4138574	1.47830237	33.335964	EnzymeReg
11.50702	29.5710442	6.8944802	2.31412574	50.2866777	1845.77641	4617.83993	1024.1151	347.58207	7835.31354	268.4754	685.484348	157.6945	52.95106	1164.605	7.78238251	19.532587	4.3972989	1.43357076	33.145839	EnzymeReg
11.11911	30.0173165	6.9245759	2.29683763	50.3578478	1785.32906	4716.55098	1030.5594	350.295738	7882.73571	259.498181	696.69588	158.4254	52.80718	1167.426	7.52610307	19.886585	4.4098581	1.46749867	33.29004	EnzymeReg
2.31736323	18.386873	19.0347587	10.7480664	50.4870613	352.717946	2812.58615	2942.23993	1640.96031	7748.50433	53.5946782	425.655658	441.15174	247.65075	1168.052	1.55851722	12.245345	12.633865	6.96154003	33.399267	EnzymeReg
2.12416642	19.0015977	18.2109474	10.6623376	49.9990491	324.610935	2948.09442	2808.7533	1630.33241	7711.79106	49.178452	440.927407	421.42833	245.54660	1157.080	1.43038566	12.691211	11.979025	6.8440355	32.944657	EnzymeReg
2.31929209	18.3834912	19.0361235	10.7413916	50.4802984	353.033935	2812.30168	2942.42939	1639.93926	7747.70426	53.6389559	425.574082	441.17006	247.49384	1167.876	1.55965927	12.242327	12.633278	6.95675308	33.392018	EnzymeReg
2.34257774	18.3426655	19.0525998	10.6608115	50.3986546	356.848634	2808.86757	2944.71653	1627.61287	7738.04561	54.1734881	424.589272	441.39123	245.59959	1165.753	1.57344643	12.205903	12.626195	6.89896379	33.304509	EnzymeReg

2.21807159	18.6541832	18.7324135	10.8368856	50.4415538	337.648491	2863.37687	2893.80849	1655.38679	7750.22064	51.3217088	432.253488	434.166419	249.708667	1167.45028	1.49508608	12.4491864	12.4230288	7.00631504	33.3736163	EnzymeReg
2.40379097	18.2353431	19.0959125	10.4489829	50.1840295	366.876703	2799.84	2950.72895	1595.20931	7712.65497	55.5786645	422.000408	441.972613	240.619995	1160.17168	1.60969008	12.1101499	12.6075763	6.74704752	33.0744638	EnzymeReg
10.0441248	32.516952	4.65286828	2.15419476	49.3681398	1565.55222	5037.40991	699.45112	315.534372	7617.94763	232.61126	751.57756	106.686743	49.1033682	1139.97896	6.60089795	21.1906047	2.97545525	1.35832244	32.1252804	EnzymeReg
10.002175	32.3373141	4.80575143	2.23945315	49.3846936	1561.54359	5012.17965	722.24542	327.922279	7623.89092	231.74736	747.533124	110.172169	51.0427259	1140.49276	6.57629102	21.0831397	3.07325669	1.41078922	32.1434766	EnzymeReg
9.93528609	32.0508821	5.04952305	2.37539733	49.4110885	1555.15184	4971.95009	758.59098	347.674751	7633.36748	230.36304	741.08421	115.729669	54.1350247	1141.31201	6.53705537	20.911787	3.22920072	1.49444731	32.1724904	EnzymeReg
10.7199793	32.952694	3.65775707	2.36372341	49.6941537	1646.77755	5037.30237	552.12653	348.308972	7584.51545	246.88915	758.40495	83.8490565	53.8156667	1142.95884	6.95109174	21.272693	2.31076526	1.48487646	32.0194265	EnzymeReg
10.1389008	32.9228023	4.30746414	1.96157314	49.3307404	1574.6088	5094.41185	647.95271	287.546761	7604.52013	234.56902	760.71505	98.8122269	44.7218378	1138.81814	6.65649116	21.4333972	2.75449555	1.23978588	32.0841702	EnzymeReg
10.2085635	33.2211124	4.05358354	1.81999148	49.303250 9	1581.26561	5136.3097	610.10010 9	266.975172	7594.65059	236.00813	767.43133 8	93.0242626	41.5013043	1137.96492	6.69735432	21.6118557	2.59208461	1.15265857	32.0539532	EnzymeReg
3.69166589	16.5423291	21.9877311	9.02658489	51.2483109	570.353045	2618.40548	3433.25485	1379.18469	8001.19806	86.030846	385.848745	509.31255	207.190946	1188.38309	2.53041994	11.263231 6	14.5687025	5.73836287	34.1007169	EnzymeReg
2.97155871	16.0068886	23.9813903	7.5968222	50.5566599	464.327102	2500.07926	3717.66564	1157.35826	7839.43027	68.980061 3	371.42177	554.365527	174.560039	1169.3274	1.96731209	10.6235986	15.7568897	4.84752285	33.1953232	EnzymeReg
3.94109216	16.5363766	21.6159265	8.93784645	51.0312417	600.409221	2581.18983	3330.8222	1358.01991	7870.44115	91.481293 2	384.289732	498.845706	204.912788	1179.52952	2.68711012	11.191103 9	14.178463	5.67776699	33.7344441	EnzymeReg
3.94693265	16.5361046	21.6074413	8.93536394	51.0258425	601.108386	2580.26421	3328.42095	1357.45641	7867.24996	91.608603 6	384.248683	498.604178	204.850033	1179.3115	2.69075255	11.189211 5	14.169340 1	5.67609203	33.7253964	EnzymeReg
2.91399211	15.9640846	24.1407668	7.48252452	50.5013681	455.851207	2490.62006	3740.40193	1139.62507	7826.49827	67.616992 3	370.26845 3	557.96714	171.951468	1167.80405	1.92229628	10.5724652	15.8518754	4.77630757	33.1229445	EnzymeReg
4.03304494	16.532094	21.4823354	8.89876169	50.946236	611.416897	2566.6169	3293.0169	1349.14825	7820.19895	93.485670 4	383.643467	495.043085	203.924774	1176.097	2.74445664	11.161309 7	14.034831	5.65140061	33.591998	EnzymeReg
3.14120944	20.6342822	20.4310338	4.05992732	48.2664528	473.913424	3101.47258	3053.73916	609.362412	7238.48758	72.112705 5	473.829855	468.625364	93.035181 4	1107.60311	2.04135438	13.425536 6	13.2141589	2.60196124	31.2830111	EnzymeReg
3.19680251	20.0649488	21.0643473	3.72424389	48.0503426	491.605511	3025.38213	3168.73618	545.68734	7231.41116	73.837581 8	461.185901	483.523322	84.926151	1103.47296	2.12056627	13.100331	13.6177797	2.34987269	31.1885496	EnzymeReg
3.20000244	20.0060688	21.1087255	3.68940039	48.0041971	493.688818	3016.71954	3179.8026	539.362634	7229.5736	73.983247 5	459.864272	484.658623	84.107553 6	1102.6137	2.12845485	13.062267	13.6431411	2.32501199	31.1588749	EnzymeReg
3.19367128	20.1225651	21.0209217	3.75833955	48.0954976	489.566921	3033.85879	3157.90729	551.876292	7233.20928	73.695042 7	462.479162	482.412388	85.727185 8	1104.31378	2.11284701	13.137577 9	13.5929626	2.37419986	31.2175874	EnzymeReg
3.18019102	20.3706081	20.8339707	3.90512417	48.2898939	480.790609	3070.35154	3111.28793	578.520283	7240.95036	73.081399 1	468.046766	477.62972	89.175695 2	1107.93358	2.07961499	13.297929 3	13.4861229	2.47893054	31.3425976	EnzymeReg
3.17501755	20.4658024	20.7622223	3.96145739	48.3644996	477.422424	3084.35678	3093.39629	588.74575	7243.92124	72.845894 1	470.183509	475.794221	90.499168 8	1109.32279	2.06686103	13.359469 2	13.4451198	2.51912422	31.3905743	EnzymeReg
2.15068798	10.8827724	24.7778037	11.1492359	48.9604999	322.975929	1643.85758	3768.37248	1676.54499	7411.75097	49.449537 7	250.663499	570.887693	256.125676	1127.12641	1.40534125	7.1203542 1	16.1634171	7.22716275	31.9162753	EnzymeReg
2.34328945	11.5698165	25.0320091	9.84863428	48.7937493	347.115599	1735.97054	3797.92175	1482.08246	7363.09035	53.697471 8	265.795558	576.270219	226.515459	1122.27871	1.51867249	7.5141939 6	16.3472735	6.41132315	31.7914631	EnzymeReg
2.26348852	11.6010634	24.7780399	10.2033257	48.8459175	333.595139	1737.98196	3755.25648	1529.78211	7356.61569	51.822285 8	266.523355	570.178549	234.484306	1123.0085	1.46642816	7.5397774 8	16.1392154	6.63390624	31.7793272	EnzymeReg
2.15645377	11.2002421	24.6457141	10.9371943	48.9396044	320.39168	1684.37434	3740.66557	1639.82911	7385.2607	49.468501 5	257.692937	567.419664	251.198361	1125.77946	1.40376456	7.3095491	16.0449761	7.09424 08	31.8525313	EnzymeReg
2.16370686	11.5996044	24.4795516	10.6704559	48.9133188	317.140815	1735.34256	3705.81156	1593.64224	7351.93718	49.492357 2	266.535643	563.057043	245.000027	1124.08507	1.40178116	7.5475493 4	15.8959827	6.92703115	31.7723443	EnzymeReg
2.13914661	10.2472931	25.0422074	11.5736794	49.0023265	328.14882	1562.75515	3823.83341	1750.03916	7464.77655	49.411577 7	236.592673	577.829649	265.988685	1129.82258	1.40849732	6.7416411 1	16.4005007	7.49323264	32.0438717	EnzymeReg
2.26837942	14.6092722	20.4560733	11.491252 2	48.8249772	340.755567	2201.19999	3112.25678	1743.17974	7397.39208	51.950217 2	335.435408	470.737564	264.158471	1122.28166	1.45123146	9.4320821 1	13.3093536	7.44044318	31.6331104	EnzymeReg
2.28471911	14.3624225	19.6593297	12.2597557	48.566227	336.685617	2150.03309	2988.265	1862.59616	7337.57987	52.365407 7	330.224209	453.501274	282.595634	1118.68653	1.49306958	9.3865069 4	12.9039007	7.97265812	31.7561353	EnzymeReg
2.19118758	13.9923131	19.9074118	12.3563262	48.4472387	325.475299	2104.45439	3010.77023	1866.90427	7307.6042	50.316536 8	322.020887	458.683925	284.559984	1115.58132	1.43700127	9.1671491	13.040190 6	8.03127764	31.6756186	EnzymeReg
2.24247701	14.5622035	20.6588351	11.3782492	48.8417648	338.723675	2199.09883	3139.85247	1722.99031	7400.66529	51.372619	334.345859	475.078706	261.360759	1122.15794	1.43000237	9.3862618 9	13.4150059	7.36015423	31.5914244	EnzymeReg
2.10396472	13.6471675	20.1387609	12.4463831	48.3362762	315.021113	2061.94997	3031.7575	1870.9218	7279.65038	48.405861 4	314.370842	463.517009	286.39184	1112.68555	1.38471475	8.9625868 3	13.1672879	8.08594331	31.6005328	EnzymeReg

2.18520504	14.4581314	21.1071551	11.1283919	48.8788834	334.231024	2194.45302	3200.8684	1678.35011	7407.90257	50.0955106	331.936795	484.677263	255.174831	1121.8844	1.38306342	9.28495032	13.6486103	7.18262999	31.499254	EnzymeReg
4.19496714	15.3679625	23.787717	5.25068534	48.601332	629.517335	2274.03895	3426.95728	725.825809	7056.33937	96.2747548	352.405728	542.409661	119.419705	1110.50985	2.7321575	9.92049483	15.1744353	3.33174655	31.1588342	EnzymeReg
3.52072167	15.7832942	24.0665114	5.06583558	48.4363629	535.846971	2349.94386	3478.53453	717.702573	7082.02793	81.2388788	362.355248	548.672407	115.127972	1107.39451	2.32263091	10.2676951	15.4572139	3.19802362	31.2455635	EnzymeReg
3.96324083	15.5107047	23.8835337	5.18715573	48.544635	597.324479	2300.12613	3444.68347	723.033996	7065.16808	91.107187	355.825203	544.562057	117.94712	1109.43916	2.59141042	10.039821	15.2716213	3.28578833	31.1886415	EnzymeReg
3.26896208	15.9383768	24.1706117	4.99681369	48.3747643	500.870966	2378.28634	3497.79319	714.669401	7091.61989	75.6245643	366.070345	551.010883	113.525462	1106.23125	2.1697159	10.3973377	15.5628019	3.14809221	31.2779478	EnzymeReg
3.72754013	15.6558951	23.9809939	5.12253655	48.4869656	564.579474	2326.66074	3462.71369	720.194299	7074.1482	85.8509923	359.303326	546.751369	116.444421	1108.35011	2.4482493	10.1611947	15.3704742	3.23904187	31.2189601	EnzymeReg
3.10613863	16.7986375	23.6078566	5.02433292	48.5369657	469.181228	2497.54686	3477.01032	719.511305	7163.24972	71.5284886	385.109794	539.976049	114.223006	1110.83734	2.0477839	10.9037055	15.2682239	3.18253757	31.4022501	EnzymeReg
5.0072678	26.4906664	9.4458201	5.71049722	46.654524	760.048198	3992.48092	1456.16872	895.141322	7103.83915	114.84647	606.901174	217.065721	131.372658	1070.18602	3.18993668	16.7481135	5.9951384	3.54365452	29.476843	EnzymeReg
5.03110663	26.4790431	9.4099395	5.74606717	46.6661567	764.207412	3992.74076	1450.52056	900.208573	7107.6773	115.40428	606.699845	216.225619	132.169278	1070.49902	3.20441401	16.7383381	5.9689771	3.56377851	29.4755078	EnzymeReg
5.01289759	26.3703956	9.9604748	5.21937076	46.5631388	753.397882	3950.00848	1539.2786	824.84977	7067.53474	114.86342	603.398908	229.159574	120.368228	1067.79013	3.20948608	16.7205585	6.3694773	3.26853708	29.568059	EnzymeReg
5.26600442	26.1590642	9.9708644	5.22333293	46.6192659	791.848039	3920.9475	1542.4826	825.170117	7080.44826	120.700055	598.676817	229.435772	120.453059	1069.2657	3.37526533	16.5978817	6.3763792	3.27282943	29.6223557	EnzymeReg
5.64009397	25.8467183	9.9862200	5.22918898	46.702214	848.677025	3877.99564	1547.21808	825.643587	7099.53433	129.326548	591.697608	229.843991	120.578437	1071.44658	3.62028555	16.4165664	6.3865802	3.27917348	29.7026056	EnzymeReg
5.69957912	26.1531098	8.4037843	6.74349604	46.9999693	880.837326	4000.02697	1292.13862	1042.30104	7215.30395	131.046015	601.05431	192.668054	154.507573	1079.27595	3.61037787	16.464222	5.2353801	4.12808174	29.4380617	EnzymeReg
1.38097597	14.9920883	24.6820704	10.4826522	51.5377868	206.821038	2240.91397	3721.99386	1581.44379	7751.17265	31.6774273	343.687833	566.442221	240.239344	1182.04683	0.90205656	9.7132871	15.935980	6.68342502	33.2347475	EnzymeReg
1.45123047	15.0090765	24.3927534	10.7303931	51.5834534	219.084411	2244.23875	3674.33546	1617.17091	7754.82954	33.3676203	344.049025	559.557664	245.848349	1182.82266	0.95385013	9.7223238	15.7266354	6.83689875	33.2397081	EnzymeReg
1.35916219	14.9033947	24.9846376	9.8404368	51.0876314	205.829259	2249.25716	3811.11716	1495.45029	7761.65386	31.2602491	342.600949	575.22985	225.942534	1175.03358	0.88940314	9.7170118	16.250325	6.29520193	33.151942	EnzymeReg
1.40432062	15.0227834	24.5220509	10.7347274	51.6838824	210.050382	2239.20334	3683.83805	1615.8076	7748.89937	32.2067385	344.10056	562.157615	245.873409	1184.33832	0.91823744	9.7143275	15.7915409	6.83669356	33.2607994	EnzymeReg
1.33123659	14.7898508	25.3719787	9.0182846	50.5113505	204.559601	2259.93795	3925.2112	1385.36297	7775.07172	30.7261852	341.209541	586.479614	207.640016	1166.05536	0.87320445	9.7217804	16.652745	5.79820576	33.0459358	EnzymeReg
1.33044742	14.786642	25.3829249	8.9950505	50.4950649	204.523721	2260.23979	3928.43548	1382.25191	7775.45091	30.7110926	341.170219	586.797531	207.122788	1165.80163	0.87274668	9.7219152	16.664117	5.78416069	33.0429401	EnzymeReg
1.50632603	16.4922241	17.5712676	12.7177936	48.2876113	232.080754	2529.28349	2665.61639	1966.22352	7393.20415	34.7667928	380.60777	404.556517	294.104221	1114.0353	0.98733952	10.731579	11.306997	8.26629187	31.2922087	EnzymeReg
2.15044789	15.2391231	18.9129823	12.3620314	48.6645847	316.538596	2290.17644	2897.07305	1900.73414	7404.52222	49.2349981	350.494008	436.771158	285.514279	1122.01444	1.39891298	9.9138577	12.3736313	8.03513692	31.721533	EnzymeReg
1.60944154	16.5985904	17.4832535	12.472934	48.1642195	247.863472	2534.03469	2630.58689	1919.68791	7332.17298	37.1716148	382.83865	402.192051	288.313749	1110.51606	1.06001187	10.830451	11.2810533	8.12736056	31.2988769	EnzymeReg
1.57079201	16.042773	18.0251895	12.8805403	48.5192948	238.14572	2459.93166	2764.87122	1997.72486	7460.67346	36.1212425	370.150166	415.720417	297.905297	1119.89712	1.02136926	10.407185	11.6213836	8.35074968	31.4006879	EnzymeReg
1.67257222	16.6637114	17.4293684	12.323023	48.088675	257.526167	2536.94353	2609.1407	1891.1973	7294.8077	38.6439252	384.204468	400.744447	284.768634	1108.36147	1.10450426	10.890983	11.2651692	8.04230228	31.3029595	EnzymeReg
1.67215811	16.6632842	17.4297219	12.3240064	48.0891705	257.462784	2536.92445	2609.28138	1891.38419	7295.0528	38.6342675	384.195509	400.753943	284.791888	1108.37561	1.1042124	10.890586	11.2652734	8.04286023	31.3029327	EnzymeReg
1.32151111	18.1143501	19.4744879	10.0213052	49.251777	200.245036	2847.70623	2971.5565	1523.70718	7590.89293	30.4101899	420.517718	449.037915	230.426152	1137.70274	0.87354973	12.056212	12.684461	6.42973672	32.2433387	EnzymeReg
1.35960718	18.1875124	19.4784118	9.9194265	49.267341	205.700557	2853.78257	2967.45191	1508.10023	7583.03887	31.2758645	422.015211	448.965294	228.072757	1137.69104	0.89840647	12.095492	12.678661	6.36301773	32.2363256	EnzymeReg
1.32434412	16.3553259	17.7723627	13.0230331	48.4871167	204.383016	2531.54163	2730.70312	2024.17076	7492.60248	30.5395042	378.023151	409.817016	301.280247	1119.93553	0.86144798	10.620117	11.4075304	8.43352197	31.3301556	EnzymeReg
0.71226985	16.6647125	19.1419582	12.1274498	48.8815166	113.590513	2700.35849	2999.07895	1852.78826	7701.01357	16.5764102	389.81781	443.984909	279.318002	1135.0746	0.47382438	11.200004	12.5749229	7.81504344	32.2108655	EnzymeReg
1.03218307	17.5587054	19.4446871	10.7950429	49.1335731	158.812016	2801.55823	3002.72958	1642.2372	7650.5421	23.8356552	409.144716	449.58945	248.299473	1137.79166	0.68477042	11.757895	12.7285057	6.93644716	32.2966005	EnzymeReg
0.83533085	17.1806573	19.4244112	11.3214764	49.0531499	130.621932	2770.16019	3023.93903	1722.88234	7691.12604	19.3624914	401.406785	449.964702	260.460074	1137.85216	0.55632926	11.554962	12.7584728	7.28120141	32.3328386	EnzymeReg

0.72934208	15.0352325	23.9927925	8.33482055	48.3354999	111.330848	2349.28806	3673.50916	1261.84828	7434.49206	16.7860429	348.231198	552.842031	191.563444	1115.09443	0.47483166	9.91176002	15.5443597	5.36820232	31.4631361	EnzymeReg
0.78247226	14.7931887	24.1995036	8.42068878	48.3779043	119.616105	2291.11967	3683.10969	1279.9071	7402.57075	17.9916375	342.013325	556.867349	193.670613	1114.78661	0.50242271	9.71146997	15.6597298	5.43912038	31.4354376	EnzymeReg
0.64624963	15.6347674	23.7384333	8.00710063	48.2574371	99.1007385	2448.93505	3625.57646	1200.87149	7411.03241	14.9134442	362.438073	547.040731	183.785793	1113.5601	0.42998134	10.3907726	15.4411987	5.13770436	31.5552647	EnzymeReg
0.90202318	14.2485537	24.6646349	8.61390523	48.4733206	138.25918	2160.23202	3704.71233	1320.54215	7330.74301	20.7044069	328.022175	565.924921	198.412062	1114.09397	0.56450671	9.26078716	15.9193297	5.59869671	31.3731118	EnzymeReg
0.88850628	14.3101323	24.6120453	8.59205942	48.4625325	136.15132	2175.03069	3702.26985	1315.94779	7338.86414	20.3976904	329.604069	564.900836	197.875975	1114.17228	0.55748725	9.31174314	15.8899783	5.58065438	31.3801586	EnzymeReg
0.57764602	16.5369967	23.6554383	7.38008663	48.1713433	90.3438706	2547.19261	3525.34193	1090.20674	7256.4372	13.3911046	382.427821	543.161435	169.104807	1108.57878	0.38981966	11.091747	15.498417	4.72703015	31.721273	EnzymeReg
3.41566495	19.2187295	21.1559348	5.55365557	49.3998108	532.89885	2984.56613	3245.83166	843.371209	7614.98689	79.2352912	445.181238	488.21816	127.661544	1141.57322	2.26754422	12.644803	13.799599	3.57128156	32.3189729	EnzymeReg
3.18344615	19.2504195	21.3016753	6.17305567	49.9085966	491.80895	2954.27243	3259.00323	939.50469	7644.5893	73.740983	444.667124	491.310734	142.023639	1151.74248	2.11281999	12.608153	13.890320	3.9941067	32.6054029	EnzymeReg
3.39469031	19.15736	21.232357	5.66391772	49.4903176	527.06467	2968.25107	3258.56505	862.040371	7622.17879	78.6755688	443.506888	490.043767	130.267443	1143.45422	2.25068524	12.586075	13.859002	3.64853777	32.3709172	EnzymeReg
3.44794625	19.3131811	21.0383163	5.38395516	49.2605151	541.87803	3009.67603	3226.23417	814.638194	7603.91811	80.0967392	447.758169	485.408437	123.650901	1138.67823	2.29349124	12.735186	13.709004	3.4523794	32.2390274	EnzymeReg
2.94804926	19.6960207	21.0421985	6.45128455	50.1375531	463.82191	3010.97483	3198.04516	972.67051	7645.51246	68.5799985	454.625297	484.491833	148.157995	1155.85512	1.97454239	12.927739	13.654387	4.17124356	32.7279132	EnzymeReg
3.52578119	19.5409197	20.7547182	4.97477891	48.9246497	563.52834	3070.22024	3178.98132	745.358058	7577.22941	82.1738355	453.971584	478.633721	113.980565	1131.69794	2.35605389	12.953102	13.489988	3.16568626	32.0462654	EnzymeReg
7.66309147	23.5720926	11.7552836	5.16801126	48.2520483	1134.6237	3529.90521	1761.66384	763.181136	7202.6117	175.360201	540.412649	269.805038	118.089144	1105.79386	4.91384055	15.154787	7.599380	3.30072098	31.0292438	EnzymeReg
8.74826032	21.2398648	12.8283503	4.80402215	47.8354015	1323.10395	3262.02346	1958.70765	684.583683	7258.82393	201.67751	490.133708	295.077218	109.208684	1100.98187	5.66399754	13.726195	8.28145209	3.03851888	30.8491506	EnzymeReg
7.69699217	23.5324138	11.7103809	5.14291786	48.2140197	1140.59894	3522.97213	1752.8469	758.185634	7193.1824	176.228909	539.473895	268.664835	117.487331	1104.83975	4.93938537	15.116141	7.556431	3.28460865	30.9814962	EnzymeReg
8.43505718	22.3542289	11.4757293	4.72659537	47.6230348	1269.8709	3358.43008	1702.72898	673.489796	7093.85527	194.700863	513.049194	262.121634	107.458033	1091.68193	5.47554388	14.218109	7.230097	3.00885971	30.3409927	EnzymeReg
7.62376451	23.6181225	11.8073737	5.19712102	48.2961639	1127.69068	3537.94802	1771.89206	768.976238	7213.55029	174.352443	541.501664	271.127746	118.787286	1106.90068	4.88420692	15.199613	7.649203	3.31941232	31.0846334	EnzymeReg
8.70052848	21.4096928	12.6222122	4.79222238	47.8030371	1314.99129	3276.71573	1919.69676	682.892986	7233.68287	200.614276	493.626005	290.054821	108.941887	1099.56457	5.63527739	13.801158	8.12122666	3.03399879	30.7717079	EnzymeReg
2.04802605	13.6605906	23.1731181	9.37673054	48.2584654	312.66470	2073.03778	3508.83437	1397.05603	7291.59289	47.2222591	314.65826	533.114532	214.916164	1109.91122	1.34543416	8.947474	15.1046717	6.00856819	31.4061488	EnzymeReg
1.92310651	14.4220713	22.4433733	9.64160527	48.4301561	294.76475	2172.55221	3393.57544	1448.46756	7309.35997	44.4308332	331.886078	516.359383	221.467933	1114.14422	1.26874258	9.441815	14.6109467	6.19892616	31.5204314	EnzymeReg
2.10845967	13.6955073	23.2147049	9.16278824	48.1814601	322.09365	2078.52394	3521.07924	1366.48837	7288.1852	48.6372426	315.517424	534.406058	210.090255	1108.65098	1.38657241	8.976294	15.1560166	5.88457798	31.4034601	EnzymeReg
2.11951355	13.7338357	23.1976446	9.11686009	48.1678547	323.87921	2083.77486	3519.87252	1360.44618	7287.97277	48.9011672	316.40271	534.102596	209.076376	1108.48285	1.39441662	9.002788	15.1505572	5.85937272	31.4071353	EnzymeReg
2.15161435	13.8451435	23.1481007	8.98348566	48.1283442	329.06458	2099.02377	3516.36816	1342.89935	7287.35587	49.6676172	318.973625	533.221329	206.132022	1107.99459	1.41719662	9.079730	15.134703	5.78617542	31.4178057	EnzymeReg
1.91098927	14.4959352	22.3725875	9.66729821	48.4468102	293.02845	2182.20515	3382.39528	1453.45449	7311.08338	44.1600626	333.557182	514.734128	222.103454	1114.55483	1.26130347	9.489767	14.5630552	6.21739095	31.5315169	EnzymeReg
7.07894914	24.334704	13.3207726	4.23134025	48.965766	1104.21263	3743.07027	1980.25169	613.405982	7440.94057	164.004116	561.642771	305.081919	96.2845485	1127.01335	4.67606142	15.891774	8.5606987	2.65904082	31.7875705	EnzymeReg
7.0166238	23.9125693	13.4710084	4.70624882	49.1064503	1081.79523	3644.63623	1987.65373	675.794793	7389.87998	161.834008	550.673798	308.023703	106.693369	1127.22488	4.57265581	15.609301	8.6933017	2.93293656	31.8081959	EnzymeReg
7.02833385	24.1079124	13.4499028	4.47927954	49.0654286	1090.712	3691.36333	1990.19614	645.091829	7417.3633	162.47688	555.796743	307.7243	101.678568	1127.67649	4.61085072	15.745651	8.6623937	2.79901332	31.8179088	EnzymeReg
7.11115999	23.8718733	13.20133	4.79432011	48.9786834	1088.18482	3628.24046	1953.34193	692.564658	7362.33188	163.745594	549.340204	302.074798	108.859593	1124.02019	4.61936009	15.549006	8.5273252	3.00146934	31.6971607	EnzymeReg
7.45198596	23.7251543	12.2290738	5.11183855	48.5180526	1111.22086	3569.12974	1829.63956	753.024103	7263.01426	170.637327	544.532274	280.62755	116.669354	1112.46651	4.78774036	15.331624	7.9289395	3.2485467	31.2968516	EnzymeReg
7.27419656	23.8016892	12.7362442	4.94620735	48.7583373	1099.20428	3599.96442	1894.16801	721.485871	7314.82257	167.042305	547.040296	291.815352	112.595449	1118.4934	4.69990601	15.445022	8.2410831	3.11966058	31.5056699	EnzymeReg
4.43900869	23.3139957	17.5608413	3.48085222	48.7946979	666.42899	3526.98646	2645.87664	522.504875	7361.79697	101.989874	536.559051	403.758825	79.927822	1122.23557	2.87266946	15.218048	11.400259	2.24656271	31.7375403	EnzymeReg

5.377579 91	23.54617 86	17.77351 52	2.652184 73	49.34945 85	833.2330 78	3705.397 21	2751.785 61	393.7516 03	7684.167 5	124.4446 68	546.4638 27	410.5771 39	60.57924 67	1142.064 88	3.509772 59	15.49965 23	11.59448 11	1.663444 77	32.26735 07	EnzymeReg
5.294357 24	22.95694 14	17.30245 7	3.552327 39	49.10608 3	783.2151 79	3485.529 37	2598.068 81	522.8594 35	7389.672 8	121.2791 86	528.8877 71	397.4877 8	81.08969 94	1128.744 44	3.386189 69	15.01664 74	11.16624 03	2.258866 01	31.82794 34	EnzymeReg
5.359237 96	22.95481 1	17.30270 11	3.521473 61	49.13822 37	793.6195 93	3491.338 69	2600.775 7	517.7218 45	7403.455 83	122.7938 73	529.0386 08	397.5599 55	80.35308 43	1129.745 52	3.428085 79	15.02146 98	11.16652 54	2.235940 11	31.85202 12	EnzymeReg
4.098338 13	23.45620 43	17.66375 13	3.452384 89	48.67067 86	619.9150 76	3543.498 1	2664.917 67	522.3636 61	7350.694 51	94.30727 37	539.6143 89	406.2564 74	79.46506 62	1119.643 2	2.668143 22	15.29826 32	11.49346 53	2.241662 52	31.70153 42	EnzymeReg
4.627497 8	23.23531 33	17.50390 24	3.496602 87	48.86331 64	692.1646 14	3517.850 76	2635.341 45	522.5830 08	7367.939 83	106.2405 68	534.8685 67	402.3769 05	80.18385 94	1123.669 9	2.985831 48	15.17366 67	11.34868 98	2.249273 93	31.75746 2	EnzymeReg
9.247058 9	31.45423 08	6.110019 18	2.329877 11	49.22602 54	1390.883 96	4820.204 1	913.2900 11	341.1810 81	7477.828 91	212.5528 37	725.4185 98	139.9336 73	53.11053 65	1132.947 3	6.041212 3	20.48586 17	3.913536 12	1.470147 07	31.96575 04	EnzymeReg
9.224736 09	31.55930 5	5.464545 52	3.021521 15	49.37039 83	1426.887 98	4879.381 91	810.8036 53	440.1475 57	7571.725 46	213.4637 26	728.8199 64	124.9522 72	68.84036 69	1138.359 79	6.083045 74	20.55572 34	3.497851 58	1.912666 24	32.11429 56	EnzymeReg
8.975879 48	31.83028 85	5.232171 36	3.109198 15	49.30037 39	1371.480 2	4905.115 64	771.0935 27	452.1492 09	7521.942 31	207.1591 23	734.2939 91	119.5293 53	70.83897 18	1135.301 29	5.917572 96	20.68535 71	3.350851 84	1.977416 43	32.03026 74	EnzymeReg
9.464083 48	31.29867 63	5.688040 28	2.937194 44	49.43774 69	1480.178 54	4854.631 5	848.9963 89	428.6045 09	7619.606 31	219.5274 2	723.5551 08	130.1679 72	66.91813 21	1141.301 42	6.242195 53	20.43104 32	3.639234 22	1.850390 27	32.19511 29	EnzymeReg
9.514788 89	31.10947 36	6.771625 07	1.784964 57	49.20208 47	1423.493 36	4755.043 77	1021.199 34	263.7632 71	7466.570 48	218.3626 75	717.6116 09	155.3195 26	40.71309 89	1132.490 34	6.181886 74	20.30802 29	4.336916 44	1.112709 29	31.95329 84	EnzymeReg
9.192318 67	31.52472 01	5.974746 85	2.441290 25	49.23092 03	1384.216 62	4833.526 82	891.2268 05	357.0099 72	7480.130 82	211.3649 54	727.0148 19	136.7878 72	55.64532 4	1133.040 73	6.012449 92	20.52222 28	3.826971 53	1.543229 01	31.96829 63	EnzymeReg
4.318701 28	25.0813	16.95217 3	2.027798 19	48.37997 24	629.3925 39	3666.110 4	2474.544 47	278.6593 93	7048.706 8	98.64405 32	571.8570 88	386.7809 85	45.99711 86	1103.279 24	2.830085 86	16.05235 35	10.86512 67	1.293723 82	31.04128 99	EnzymeReg
3.813025 74	24.45398 71	17.45233 68	2.900129 39	48.61947 91	588.9724 98	3689.929 99	2587.348 81	421.6086 13	7287.859 91	88.22738 73	562.1283 39	399.8470 77	66.07261 34	1116.275 42	2.513298 57	15.84892 2	11.20085 43	1.810297 7	31.37337 25	EnzymeReg
3.787907 72	23.74171 58	17.70471 55	3.332675 02	48.56701 41	578.9519 68	3582.075 13	2665.673 69	504.3765 25	7331.077 32	87.36950 54	545.9396 38	407.0238 41	76.73560 99	1117.068 59	2.484690 59	15.45715 29	11.51262 03	2.161377 9	31.61584 17	EnzymeReg
3.897628 06	24.76118 19	17.30109 5	2.638614 18	48.59851 92	598.1142 24	3718.321 44	2546.882 83	375.2245 71	7238.543 06	90.07124 67	568.4194 22	395.7227 69	59.84381 13	1114.057 25	2.570121 05	15.99628 45	11.05706 44	1.627245 02	31.25071 49	EnzymeReg
4.303811 1	25.06997 98	16.96451 17	2.049398 14	48.38770 08	628.2864 61	3667.956 71	2477.102 53	282.0741 74	7055.419 88	98.34089 78	571.7355 24	387.0971 88	46.48677 16	1103.660 38	2.820892 87	16.05037 08	10.87191 41	1.305517 95	31.04869 57	EnzymeReg
4.122222 57	24.93192 84	17.11498 49	2.312813 55	48.48194 94	614.7976 35	3690.472 81	2508.298 57	323.7180 68	7137.287 08	94.64386 07	570.2530 25	390.9533 48	52.45818 08	1108.308 41	2.708782 61	16.02619 09	10.95468 76	1.449349 52	31.13901 06	EnzymeReg
3.472640 38	24.33816 42	19.30124 66	2.291454 79	49.40350 59	550.8655 93	3749.601 64	2945.048 27	352.1428 09	7597.658 31	81.07403 03	562.0102 98	444.4910 24	52.77672 62	1140.352 08	2.353756 69	15.85971 96	12.38976 55	1.458688 65	32.06193 04	EnzymeReg
3.371487 96	24.19876 23	19.50024 65	2.121054 85	49.19155 16	536.4041 77	3756.444 46	2985.786 19	323.6590 92	7602.293 92	78.75006 18	559.6394 29	449.0869 91	48.77164 75	1136.248 13	2.278674 89	15.78732 67	12.50551 34	1.348954 69	31.92046 96	EnzymeReg
3.635489 19	24.56259 22	18.98086 97	2.565787 62	49.74473 86	574.1475 33	3738.585 15	2879.462 86	397.9997 42	7590.195 29	84.81546 86	565.8272 42	437.0918 14	59.22464 25	1146.959 17	2.474633 5	15.97626 74	12.20341 88	1.635353 2	32.28967 29	EnzymeReg
3.462010 91	23.53089 74	18.22744 81	3.547423 75	48.76778 02	544.3173 41	3539.131 78	2734.356 5	542.9305 33	7360.736 16	80.66445 04	541.2270 1	419.1634 33	82.02199 17	1123.076 89	2.345672 36	15.36955 44	11.85444 76	2.277487 03	31.84716 14	EnzymeReg
3.345602 42	23.66034 85	18.85682 15	2.885439 21	48.74821 16	529.5138 83	3624.243 13	2859.858 9	439.2808 53	7452.896 76	78.05045 36	546.0083 54	433.8920 68	66.56329 32	1124.514 17	2.259337 64	15.46272 51	12.18787 89	1.847532 74	31.75747 44	EnzymeReg
3.380617 91	24.21134 46	19.48228 49	2.136435 02	49.21068 24	537.7094 54	3755.826 83	2982.109 21	326.2300 11	7601.875 51	78.95982 14	559.8534 22	448.6721 63	49.13314 29	1136.618 55	2.285451 71	15.79386 08	12.49506 61	1.358859 2	31.93323 78	EnzymeReg
2.225530 93	14.89608 96	18.27433 74	14.39612 97	49.95658 92	352.5636 66	2301.735 82	2811.786 49	2171.033 86	7660.877 81	51.74503 97	344.4233 93	421.9580 56	330.6280 21	1152.483 13	1.488279 3	9.818355 43	11.97996 9	9.274545 26	32.66118 36	EnzymeReg
2.594263 54	14.08989 96	17.13572 72	15.10786 17	49.10802 42	420.0900 01	2185.018 05	2650.806 27	2300.347 11	7582.297 07	60.88302 73	326.8135 37	396.3951 35	348.0697 29	1136.247 51	1.784139 17	9.393640 69	11.25508 56	9.777457 97	32.31994 83	EnzymeReg
2.212598 9	14.43066 25	18.00393 07	14.95834 78	49.91412 17	345.8892 97	2221.337 78	2780.342 03	2254.801 17	7646.936 92	51.30853 61	333.3646 09	415.9419 73	343.4589 64	1151.068 46	1.476383 95	9.502575	11.79376 93	9.607045 96	32.56742 51	EnzymeReg
2.227978 92	14.98419 33	18.32552 44	14.28970 39	49.96462 81	353.8270 99	2316.954 87	2817.738 81	2155.177 02	7663.516 77	51.82766 82	346.5167 79	423.0968 78	328.1991 71	1152.750 93	1.490531 05	9.878131 49	12.01521 59	9.211604 12	32.67893 17	EnzymeReg
2.535175	14.09224 36	17.23845 17	15.14467 15	49.22544 73	408.1627	2182.013 51	2667.073 41	2302.312 42	7590.599 56	59.38887 73	326.6354 76	398.7154 84	348.7285 38	1138.339 46	1.736338 02	9.376740 14	11.31687 46	9.786828 03	32.34746 64	EnzymeReg
2.688246 19	14.08617 13	16.97233 99	15.04931 41	48.92125 81	439.0608 44	2189.796 89	2624.932 73	2297.221 22	7569.091 65	63.25953 18	327.0967 49	392.7045 27	347.0218 67	1132.920 18	1.860168 77	9.420521 69	11.15680 78	9.762554 51	32.27617 97	EnzymeReg
17.12077 5	26.66631 27	2.637683 32	2.316962 06	48.74173 3	2576.051 02	4025.511 81	375.7601 49	324.6089 65	7301.931 95	392.9658 41	611.9101 98	59.81744 86	52.40800 32	1117.101 49	10.99126 92	17.17150 15	1.667510 42	1.441491 62	31.27177 28	EnzymeReg
16.55918 26	26.15594 07	3.377925 31	2.748007 66	48.84105 63	2502.924 7	3951.420 61	484.447	390.8233 72	7329.615 68	380.3181 32	600.2072 35	76.63849 58	62.25977 08	1119.423 63	10.62907 85	16.84172 93	2.121519 01	1.703323 92	31.29565 08	EnzymeReg

17.5703571	27.0748903	2.04508345	1.97188901	48.6622199	2634.59222	4084.82544	288.751018	271.6011	7279.76977	403.090949	621.278991	46.351379	44.5211822	1115.2425	11.2812206	17.4355003	1.30405437	1.23188207	31.2526573	EnzymeReg
17.0542852	26.6058871	2.72532438	2.36799577	48.7534924	2567.39322	4016.73977	388.628145	332.44843	7305.20957	391.468413	610.524624	61.808979	53.5744047	1117.37642	10.9483876	17.1324581	1.72126284	1.47249129	31.2745998	EnzymeReg
15.9524049	25.6045045	4.17772674	3.21373492	48.9483711	2423.91468	3871.36808	601.878729	462.36535	7359.52683	366.652796	587.562659	94.81295	72.9042057	1121.93262	10.2377461	16.4854239	2.61205687	1.98622309	31.3214499	EnzymeReg
17.5175869	26.7377025	2.35225166	2.08106449	48.6886056	2626.17815	4032.39389	334.536789	286.33012	7279.43896	401.861019	613.555685	53.395592	46.9689927	1115.78124	11.2475235	17.2143427	1.49819702	1.29968868	31.2597519	EnzymeReg
6.3657668	27.0234797	12.0432843	3.72341784	49.1559474	950.476239	4047.91668	1793.36689	538.11923	7329.87904	145.791154	619.877793	275.307667	84.4243892	1125.401	4.1126608	17.4493614	7.69870178	2.30982615	31.5705501	EnzymeReg
6.5103364	26.9292176	12.2041259	3.60355042	49.2472265	959.213986	4008.0396	1817.79469	516.77895	7301.82723	148.77805	616.98911	279.142536	81.6307162	1126.54041	4.2007817	17.3640034	7.81546156	2.23161364	31.6118598	EnzymeReg
6.4965416	27.5263789	11.0943386	3.83279841	49.2251488	999.215059	4199.77471	1659.24295	553.61462	7450.82381	149.727779	633.496168	253.823713	86.9926826	1130.29035	4.2288609	17.7581527	7.09431279	2.40458943	31.6600198	EnzymeReg
6.0743840	27.3803722	11.4085335	4.02682455	48.968176	944.452396	4181.61945	1699.80103	591.00665	7427.93975	140.12128	630.306032	260.497472	91.501095	1124.19942	3.9454035	17.7309404	7.26188934	2.51443481	31.5020729	EnzymeReg
6.7457568	27.612572	10.9088578	3.71825767	49.3768492	1031.54346	4210.49243	1635.30003	531.54074	7464.33312	155.398848	635.379421	249.883949	84.3312017	1133.88605	4.3961963	17.7742171	6.99538621	2.33974368	31.7532617	EnzymeReg
6.3160671	27.0558846	11.9879909	3.76462531	49.1245679	947.472417	4061.62544	1784.96922	545.45549	7339.52257	144.764333	620.870852	273.989333	85.3847852	1125.0093	4.0823672	17.4787054	7.65856263	2.33671368	31.5563489	EnzymeReg
12.140523	31.766781	3.03916091	2.60695463	49.6526052	1850.60882	4806.85991	457.41394	389.32531	7519.82642	278.793597	728.573015	69.48596	59.399258	1138.52831	7.8123768	20.3480095	1.89990443	1.62465403	31.7466515	EnzymeReg
12.365269	31.668742	2.90315447	2.47848283	49.5375154	1883.58106	4793.48987	436.313043	371.38589	7503.95984	283.944069	726.379796	66.362762	56.5017337	1135.9854	7.9619372	20.283857	1.81631734	1.54391395	31.6818429	EnzymeReg
11.1676298	32.9914269	3.28723906	1.67173447	49.1814625	1714.34284	5070.98097	494.121218	248.76727	7538.2008	257.416541	760.635988	75.405849	38.1682827	1133.08253	7.2837169	21.3594771	2.09573168	1.05539284	31.8337819	EnzymeReg
12.9341138	31.4206015	2.55891398	2.15331295	49.2462162	1967.03579	4759.6495	382.9054	325.98014	7463.80057	296.980225	720.828626	58.457743	49.1679252	1129.54916	8.3404863	20.1214831	1.60475341	1.33955595	31.5178086	EnzymeReg
12.643235	31.5474884	2.73494137	2.31958858	49.395172	1924.36121	4776.95377	410.2154	349.19837	7484.33601	290.314186	723.667217	62.499975	52.9180684	1132.84033	8.1469139	20.204513	1.71293663	1.44405442	31.6016876	EnzymeReg
11.9418446	31.8534484	3.15939275	2.72052574	49.7543464	1821.46084	4818.67923	476.067467	405.18404	7533.85272	274.240498	730.511856	72.246928	61.9607153	1140.77628	7.6801631	20.4047213	1.97379673	1.69602954	31.8039432	EnzymeReg
1.5713877	9.2625889	24.509342	13.751634	49.0949532	239.86092	1407.38152	3710.22535	2063.3468	7420.81465	36.280329	213.21181	563.24772	315.15419	1127.8940	1.0606705	6.1060917	15.892931	8.7761815	31.8358756	EnzymeReg
0.1483247	7.3587352	25.106478	16.020646	48.6341849	22.640698	1090.57851	3728.38917	2352.05468	7193.66305	3.4245337	168.25457	575.61206	366.68001	1113.97127	0.1001176	4.7487532	16.419253	10.356589	31.6247137	EnzymeReg
0.0142523	7.1793656	25.162736	16.234419	48.5907741	2.1755153	1060.7312	3730.10045	2379.255	7172.2622	0.3290589	164.01897	576.77695	371.53456	1112.65955	0.0096201	4.6208730	16.46884	10.505486	31.6048192	EnzymeReg
0.1683362	7.5726020	25.664518	14.728625	48.1340829	24.215283	1119.97033	3807.89313	2169.81159	7121.89033	3.8361211	173.26157	588.32986	337.21077	1102.63833	0.1082670	4.8763808	16.706846	9.5092702	31.2007635	EnzymeReg
0.9590642	8.4433881	24.766281	14.727957	48.8966913	146.39191	1271.06575	3718.04098	2187.57367	7323.0746	22.142949	193.86736	568.56792	337.32505	1121.90329	0.6473585	5.5220485	16.119402	9.4562083	31.7450157	EnzymeReg
1.1782740	8.7366593	24.674298	14.378436	48.9676684	179.85496	1319.86634	3715.24301	2143.10088	7358.06521	27.204081	200.79261	566.66330	329.38796	1124.04796	0.7953228	5.7311340	16.038325	9.2127610	31.7775432	EnzymeReg
16.201577	22.533035	6.80793425	3.53255247	49.0750995	2439.38496	3386.63897	997.94978	489.61272	7313.58437	371.7786	517.12766	155.35246	79.662384	1123.92111	10.386772	14.424068	4.29999006	2.19860123	31.3094327	EnzymeReg
14.583966	24.374396	6.35110332	3.84402081	49.1534878	2246.73938	3694.26555	924.11662	561.65398	7426.77551	335.816347	559.19932	144.25803	87.331005	1126.60471	9.3314946	15.630774	3.95884094	2.371657	31.2927666	EnzymeReg
15.203761	23.811554	7.24011774	2.78077644	49.0362103	2323.36628	3601.68945	1063.7996	395.24197	7384.09769	349.573166	546.00584	164.83442	62.884385	1123.29782	9.6839619	15.131286	4.55532968	1.73703047	31.1076089	EnzymeReg
16.025884	22.758153	6.88403184	3.40018197	49.068252	2418.95673	3424.50442	1009.543	472.99596	7326.00015	367.868733	522.21245	157.02201	76.708162	1123.81137	10.263023	14.548593	4.34494955	2.11732922	31.2738961	EnzymeReg
15.913193	22.902547	6.93284194	3.31527762	49.0638599	2405.85377	3448.79187	1016.98022	462.33794	7333.96381	365.360888	525.47390	158.09289	74.813282	1123.74097	10.183649	14.628465	4.37378714	2.06520017	31.2511025	EnzymeReg
15.777606	23.076276	6.99156843	3.21312385	49.0585755	2390.08878	3478.01363	1025.9284	449.51458	7343.54538	362.343541	529.39796	159.38133	72.533434	1123.65628	10.088149	14.724564	4.40848352	2.00248044	31.223678	EnzymeReg
8.4301437	19.663619	12.764610	5.39705164	46.6022336	1255.39472	2917.23574	1867.42452	790.21468	6879.33694	194.331338	450.507194	291.27991	123.41716	1067.41407	5.4073378	12.425322	8.01297478	3.45399169	29.5239295	EnzymeReg
8.6664328	18.519929	13.931639	5.53061205	46.6486125	1294.02893	2794.97333	2079.41716	811.66304	6980.08246	199.565604	426.181635	319.46257	126.52156	1071.73138	5.5422129	11.852761	8.89557913	3.52622143	29.8167746	EnzymeReg
8.4038562	20.318845	12.379350	5.25123923	46.7954468	1253.75616	3017.1508	1810.9469	765.03709	6909.44826	193.799724	465.47716	282.35884	119.95086	1071.63675	5.4050551	12.840059	7.75893278	3.35907929	29.6490961	EnzymeReg

8.42844519	19.7059559	12.7397178	5.38763024	46.6147177	1255.28885	2923.69157	1863.77532	788.587878	6881.28253	194.296989	451.47445	290.703494	123.189035	1067.68691	5.40719123	12.4521196	7.99656033	3.4478591	29.5320169	EnzymeReg
8.46343238	18.8338863	13.2524781	5.58169865	46.3575615	1257.46968	2790.71006	1938.94397	822.097878	6841.20601	195.004538	431.55038	302.576944	127.796574	1062.06676	5.41023061	11.900126	8.33467644	3.5741823	29.365427	EnzymeReg
8.81318718	19.8130801	13.6872327	5.11665392	47.4301539	1328.11582	3046.55799	2086.26761	738.501021	7199.44245	203.008927	457.60872	315.012233	116.628628	1092.25851	5.67425285	12.829189	8.85236562	3.2414238	30.597213	EnzymeReg
1.63803117	15.770024	22.360378	8.87259011	48.6410198	253.839582	2393.20253	3357.27011	1344.02781	7348.34004	37.750176	363.13997	513.296143	203.427481	1117.6133	1.04290852	10.250816	14.480996	5.6720259	31.446747	EnzymeReg
1.60311131	15.6990335	22.2121753	9.14729295	48.661613	247.650021	2373.21277	3326.47112	1380.21719	7327.5511	36.897039	361.24528	509.721314	209.720805	1117.58444	1.01375542	10.195667	14.393716	5.8714767	31.474615	EnzymeReg
1.61978607	15.7563061	22.3168315	8.95744958	48.6503732	250.742954	2388.20827	3346.80562	1354.70619	7340.46303	37.305046	362.73184	512.197027	205.348446	1117.58236	1.0272838	10.236553	14.454909	5.7344927	31.453238	EnzymeReg
1.65739187	15.5552921	22.0741982	9.35800583	48.644888	255.778577	2345.04377	3313.17576	1413.42256	7327.42067	38.216446	357.86295	506.922713	214.799555	1117.80167	1.06334021	10.123224	14.317257	6.0151876	31.519009	EnzymeReg
1.79535596	15.1899469	21.7235039	9.89357162	48.6023784	276.438807	2273.44705	3279.38314	1497.82016	7327.08915	41.569964	349.26613	499.809551	227.70814	1118.35379	1.18936914	9.9390971	14.122923	6.3804554	31.631849	EnzymeReg
1.60796431	15.6861821	22.1998393	9.16613193	48.6601177	248.376761	2370.6943	3325.28244	1383.18594	7327.53944	37.015001	360.94288	509.471103	210.174875	1117.60386	1.01818866	10.189190	14.386880	5.8843253	31.478584	EnzymeReg
3.15179889	20.2835728	20.6252004	3.85196452	47.9125366	487.164872	3047.23939	3116.90863	572.555888	7223.86878	72.871631	465.91174	474.040593	88.2258566	1101.04936	2.08733325	13.184092	13.310796	2.4579021	31.040142	EnzymeReg
3.08021551	20.8479069	19.8609479	4.18387715	47.9729475	471.267298	3117.53377	2997.57944	637.355722	7223.73623	70.950417	478.35374	456.652941	96.3931302	1102.3502	2.00685556	13.477798	12.804843	2.7155980	31.005097	EnzymeReg
3.07172912	20.8776296	19.781629	4.20112292	47.9321106	470.899129	3119.76845	2989.76565	641.250574	7221.6838	70.788702	478.98314	454.987156	96.8603388	1101.61934	2.00205556	13.485071	12.747893	2.7314089	30.966429	EnzymeReg
3.194925	20.006104	21.066655	3.68916763	47.9568522	494.192451	3015.14526	3178.15063	539.885063	7227.3734	73.918026	459.83719	483.850802	84.147914	1101.75393	2.12784602	13.053467	13.610515	2.3274356	31.119264	EnzymeReg
3.11038774	20.7422331	20.1429525	4.12256284	48.1181358	472.576258	3109.58878	3025.35999	623.508261	7231.03329	71.525361	476.11589	462.575344	94.7320524	1104.94866	2.02392111	13.451946	13.007319	2.6593852	31.142572	EnzymeReg
3.15281885	20.5936214	20.5395424	4.03633506	48.3223177	474.417081	3098.41554	3064.42844	604.034245	7241.29531	72.333932	472.96879	470.904161	92.3960389	1108.60293	2.04792079	13.415589	13.292066	2.5803319	31.335908	EnzymeReg
0.73396675	16.5956447	24.1135745	7.47584464	48.9190306	109.097715	2527.53661	3603.18372	1115.10616	7354.9242	16.798025	382.74449	554.540028	171.906708	1125.98926	0.47827698	10.991085	15.764049	4.8323261	32.065737	EnzymeReg
0.63561291	15.7746545	23.7255653	7.90988459	48.2440886	97.7430208	2464.1695	3610.03549	1183.71336	7387.06304	14.677411	365.53740	546.439262	181.509564	1112.78776	0.42375443	10.499454	15.450070	5.0740309	31.581003	EnzymeReg
0.60310965	16.2021158	23.6862436	7.61281572	48.2032988	93.5941615	2510.72231	3562.54603	1131.28223	7313.81838	13.956152	375.00821	544.601315	174.553956	1110.4277	0.40472649	10.831558	15.477179	4.8794603	31.659655	EnzymeReg
0.77367115	16.587751	24.2270395	7.51453352	49.1029955	113.874036	2520.34282	3624.57785	1123.87995	7382.67466	17.664035	382.33058	557.402771	172.948733	1130.34612	0.50077767	10.949390	15.827250	4.8680223	32.145440	EnzymeReg
0.59217691	16.345896	23.6730174	7.51289441	48.1895788	92.1986577	2526.38074	3546.57255	1113.64657	7289.18193	13.713550	378.19380	543.983106	172.214378	1109.63387	0.39832628	10.943263	15.486297	4.8140148	31.686119	EnzymeReg
0.57074584	16.628094	23.6471353	7.31679984	48.1627756	89.462902	2557.10933	3515.23529	1079.03827	7240.84579	13.237976	384.44601	542.771675	167.623096	1108.07877	0.38577968	11.162486	15.504237	4.6855864	31.738090	EnzymeReg
4.41834797	24.5044363	18.7173357	2.46336347	50.1034834	675.086672	3738.94813	2845.63978	367.959931	7627.63451	101.96789	564.89361	430.869709	56.42246	1154.15368	2.91389932	16.031271	12.099116	1.5568459	32.601133	EnzymeReg
3.73109121	24.557747	18.6041296	2.94637396	49.8393418	586.948813	3695.72203	2803.91244	458.316235	7544.89952	86.983481	564.52921	428.299908	68.122546	1147.93508	2.54556193	15.961525	11.999670	1.8821628	32.388920	EnzymeReg
3.72825626	24.5463129	18.5993095	2.95369702	49.8275761	586.4958	3693.90809	2803.01242	459.3584	7542.77471	86.916722	564.26775	428.183575	68.292053	1147.66011	2.54345605	15.954913	11.997714	1.8869735	32.383057	EnzymeReg
3.90942299	24.713184	18.6967321	2.7436118	50.0629509	611.118869	3730.69576	2825.31276	425.146198	7592.27359	90.942690	568.39949	430.502481	63.325428	1153.17009	2.64966042	16.071476	12.047926	1.7473637	32.516469	EnzymeReg
4.53235644	24.457673	18.7219513	2.40058276	50.1125635	689.416621	3740.79681	2850.1934	355.149169	7635.556	104.43773	564.10823	430.951975	54.876080	1154.37402	2.97309363	16.022265	12.110584	1.5141664	32.620109	EnzymeReg
3.71333965	24.486141	18.5739445	2.99223405	49.7656599	584.111855	3684.36237	2798.2761	464.842714	7531.59304	86.565742	562.89186	427.571379	69.184082	1146.21307	2.53237402	15.920120	11.987422	1.9122893	32.352205	EnzymeReg
7.67160778	32.464090	7.99710383	1.54337051	49.6761725	1212.45612	5129.96975	1253.87939	245.493744	7841.799	178.07747	753.43346	185.048095	35.806961	1152.36599	5.03781845	21.332546	5.1875189	1.0014946	32.559378	EnzymeReg
6.66442422	32.793612	9.01081812	1.96119735	50.4300526	1060.70506	5143.7421	1380.09451	300.795508	7885.33718	155.30196	760.30657	207.518628	44.963645	1168.0908	4.42285222	21.510918	5.8261005	1.2269146	32.986786	EnzymeReg
7.66931252	32.499106	7.65293268	1.6571471	49.4784984	1194.36809	5051.40221	1187.51837	257.358058	7690.64673	177.37784	751.22671	176.672006	38.315294	1143.59185	5.00722534	21.192993	4.9441398	1.0788206	32.223179	EnzymeReg
7.66679044	32.537582	7.27474329	1.78216948	49.261286	1174.49222	4965.06898	1114.59816	270.395053	7524.55441	176.60905	748.80184	167.468015	41.071553	1133.95046	4.97360838	21.039648	4.6767049	1.1637897	31.853751	EnzymeReg

7.669087 24	32.50254 3	7.619151 94	1.668314 38	49.45909 65	1192.592 73	5043.690 73	1181.004 97	258.5225 52	7675.810 99	177.3091 71	751.0101 15	175.8498 84	38.56149 02	1142.730 66	5.004222 6	21.17929 67	4.920251 93	1.086410 3	32.19018 15	EnzymeReg
6.758885 39	32.76145 97	8.928364 82	1.917900 88	50.36661 08	1075.583 65	5145.313 35	1370.684 75	295.1813 37	7886.763 09	157.4616 11	759.7429 09	205.7181 33	44.01425 9	1166.936 91	4.481591 62	21.49928 76	5.775127 52	1.202975 2	32.95898 19	EnzymeReg
5.575762 2	33.01965 1	9.708947	1.975532 9	50.27989 3	863.7846 31	5129.589 15	1454.620 43	278.1857 16	7726.179 92	128.9571 94	763.4782 45	222.2756 45	44.69835 25	1159.409 44	3.652500 17	21.57629 87	6.169666 4	1.241844 74	32.64031	EnzymeReg
4.967461 21	32.80396 12	10.09900 58	2.001148 98	49.87157 72	754.1482 62	5044.7	1540.696 46	332.4034 11	7671.948 13	114.3501 62	756.1929	231.9899 76	46.80309 41	1149.336 13	3.260649 5	21.31601 41	6.434135 82	1.276986 73	32.28778 62	EnzymeReg
5.262723 62	32.94290 61	9.897977 85	1.964115 3	50.06772 29	806.1363 87	5095.307 43	1492.020 32	294.0284 05	7687.492 55	121.3591 56	760.6596 21	226.8207 06	44.99156 9	1153.831 05	3.441893 9	21.47471 48	6.285764 1	1.244608 7	32.44698 15	EnzymeReg
4.710327 68	32.68295 91	10.27407 39	2.033400 29	49.70076 1	708.8736 55	5000.627 79	1583.086 77	365.8228 37	7658.411 05	108.2462 78	752.3029 91	236.4917 09	48.38068 68	1145.421 67	3.102810 21	21.17780 74	6.563347 46	1.305183 6	32.14914 87	EnzymeReg
5.700854 34	33.00519 44	9.648820 3	2.012504 33	50.36737 34	888.4392 09	5130.900 19	1448.76	287.7410 21	7755.840 43	132.1002 53	763.3787 11	221.0575 87	45.62183 62	1162.158 39	3.748458 04	21.57425 8	6.149623 47	1.260924 08	32.73326 36	EnzymeReg
4.563394 6	32.61381 52	10.37411 26	2.051829 57	49.60315 2	683.0025 15	4975.443 73	1607.309 74	384.9196 05	7650.675 6	104.7583 53	750.0801 92	239.0641 22	49.28216 61	1143.184 83	3.012616 55	21.09883 23	6.637182 51	1.321296 07	32.06992 75	EnzymeReg
4.337758 81	22.45694 25	15.56951 54	5.080204 56	47.44442 13	691.4359 48	3471.340 07	2405.769 81	767.7950 34	7336.340 86	101.2177 78	519.7934 63	360.1329 01	116.8714 84	1098.015 63	2.912817 52	14.71649 37	10.13068 4	3.249502 68	31.00949 79	EnzymeReg
4.124068 41	22.83103 58	15.19695 97	5.162196 15	47.31426 01	674.9810 79	3572.951 09	2367.318 44	785.9160 84	7401.166 69	96.87259 78	529.9503 51	352.1335 17	119.0135 98	1097.970 06	2.784755 31	14.97814 07	9.909065 84	3.320435 17	30.99239 7	EnzymeReg
3.637792 88	22.05681 59	17.07936 26	5.549431 02	48.32340 23	550.4850 47	3322.786 94	2545.597 55	822.5234 42	7241.392 97	83.87945 51	507.2781 76	391.9681 62	127.0808 44	1110.206 64	2.407269 11	14.32164 2	11.03948 29	3.549199 46	31.31759 35	EnzymeReg
4.483550 99	22.20171 41	15.82369 48	5.024265 07	47.53322 49	702.6624 28	3402.015 05	2432.003 6	755.4317 86	7292.112 87	104.1823 16	512.8638 35	365.5905 51	115.4100 08	1098.046 71	3.000189 09	14.53798 27	10.28188 5	3.201108 36	31.02116 51	EnzymeReg
3.873485 49	22.50207 88	16.04939 91	5.353100 68	47.77806 4	614.5760 4	3464.771 19	2447.741 08	804.9796 04	7332.067 91	90.31082 81	520.2389 99	370.1611 71	123.0332 36	1103.744 24	2.593939 38	14.69375 65	10.42117 77	3.435419 24	31.14429 28	EnzymeReg
3.962376 71	22.67000 93	15.66094 94	5.279054 91	47.57239 03	638.7478 91	3518.320 4	2410.834 61	798.3629 64	7366.265 87	92.73641 37	525.1271 6	361.9366 88	121.5066 85	1101.306 95	2.664341 87	14.83409 9	10.18798 46	3.392507 14	31.07893 27	EnzymeReg
2.357160 59	16.81511 71	23.89904 7	6.622736 29	49.69406 09	388.6410 48	2681.695 5	3708.030 7	993.2660 13	7771.633 26	55.42624 98	392.0525 18	553.1019 78	151.8991 42	1152.479 89	1.626636 38	11.27976 41	15.62234 09	4.224321 58	32.75306 3	EnzymeReg
2.143387 82	16.78246 6	24.08451 12	6.317101 01	49.32746 61	336.6796 36	2657.153 31	3753.116 05	963.1624 72	7710.111 46	49.78617 39	390.6704 71	558.0181 05	145.4110 75	1143.885 82	1.445029 55	11.23067 76	15.73898 15	4.063545 38	32.47823 4	EnzymeReg
2.072839 99	16.77169 07	24.14571 69	6.216237 35	49.20648 49	319.5316 87	2649.054 06	3767.994 8	953.2279 07	7689.808 46	47.92487 47	390.2143 77	559.6404 92	143.2699 27	1141.049 67	1.385096 9	11.21447 85	15.77747 44	4.010487 12	32.38753 68	EnzymeReg
2.581890 7	16.84944 18	23.70407 64	6.944037 51	50.07944 64	443.2658 44	2707.495 66	3660.634 41	1024.912 57	7836.308 48	61.35541 89	393.5054 05	547.9338 64	158.7197 68	1161.514 45	1.817551 83	11.33136 66	15.49972 17	4.393338 68	33.04197 88	EnzymeReg
2.490052 97	16.83541 47	23.78375 27	6.812735 25	49.92195 56	420.9429 92	2696.952 22	3680.003 27	1011.979 96	7809.878 45	58.93241 74	392.9116 71	550.0458 54	155.9324 65	1157.822 41	1.739532 73	11.31027 89	15.54983 1	4.324268 51	32.92391 11	EnzymeReg
2.066191 23	16.75941 1	24.15645 33	6.206912 42	49.18896 79	317.4614 77	2645.704 26	3770.188 66	952.6344 92	7685.988 89	47.73488 94	389.8922 51	559.9181 95	143.0818 77	1140.627 21	1.378349 52	11.20428 91	15.78498 46	4.006385 19	32.37400 85	EnzymeReg
2.616837 87	12.12010 6	21.42519 87	11.64650 49	47.80864 75	402.8437 15	1875.826 07	3264.841 93	1734.668 27	7278.179 99	60.58614 24	280.2348 69	494.0619 33	267.1949 86	1102.077 93	1.728070 38	7.956421 64	13.95162 69	7.496554 13	31.13267 31	EnzymeReg
2.607344 44	12.17832 28	21.39708 36	11.24474 69	47.42749 76	390.1723 55	1864.695	3271.733 39	1695.183 81	7221.784 55	59.95310 67	280.8546 36	493.6554 32	258.4118 62	1092.875 04	1.696876 97	7.920349 71	13.89805 79	7.239994 93	30.75527 95	EnzymeReg
2.660678 35	12.08482 96	21.28939 35	11.28779 54	47.32269 68	399.5430 31	1863.723 66	3267.009 98	1702.287 65	7232.564 32	61.23344 49	279.1128 48	491.5792 61	259.5178 54	1091.443 41	1.734524 12	7.874761 76	13.83650 4	7.279716 31	30.72550 62	EnzymeReg
2.417428 45	12.49773 43	21.79591 77	11.21949 22	47.93057 25	360.3792 92	1871.826 35	3286.587 13	1682.305	7201.097 77	55.52559 08	286.9563 19	501.3005 72	257.2631 1	1101.045 59	1.570776 93	8.097038 85	14.13820 8	7.179607 23	30.98563 1	EnzymeReg
2.618677 12	12.11862 6	21.41950 13	11.63145 59	47.78826 03	402.7052 41	1875.318 34	3264.932 89	1733.309 8	7276.266 27	60.61329 88	280.1877 97	493.9577 77	266.8729 06	1101.631 78	1.728341 13	7.952995 75	13.94679 72	7.487457 1	31.11559 12	EnzymeReg
2.594830 02	12.13781 47	21.49337 28	11.82657 65	48.05259 39	404.5006 54	1881.901 47	3263.753 57	1750.923 3	7301.078 99	60.26119 74	280.7981 23	495.3082 31	271.0488 95	1107.416 45	1.724830 61	7.997414 78	14.00941 85	7.605406 4	31.33707 03	EnzymeReg
0.253764 98	17.50826 05	21.80387 89	9.485758 28	49.33456 49	40.81136 77	2638.113 27	3288.901 96	1403.434 45	7410.253 13	5.930750 71	402.2611 35	501.1497 59	217.0957 57	1132.848 62	0.173277 92	11.41301 68	14.19172 07	6.069051 76	32.02240 33	EnzymeReg
0	18.53702 43	21.89778 07	9.098202 42	49.87810 91	0	2731.547 12	3225.253 04	1292.496 08	7296.861 21	0	423.3965 9	500.5680 86	206.8484 39	1138.633 92	0	11.85880 17	14.05888 09	5.744086 06	31.87565 45	EnzymeReg
0	18.16443 61	21.48660 96	9.526291 43	49.67924 36	0	2656.682 46	3165.911 97	1350.146	7241.917 61	0	414.3208 2	491.1055 58	216.3496 14	1133.150 36	0	11.60547 82	13.80631 7	6.007556 43	31.73042 14	EnzymeReg
0.037475 87	18.02724 29	21.48900 2	9.566596 67	49.60683 75	6.026999 69	2645.844 73	3177.658 25	1364.249 55	7260.836 01	0.875849 91	411.5584 49	491.5656 55	217.4872 08	1132.512 84	0.025589 58	11.54966 27	13.83592 24	6.045128 24	31.75783 64	EnzymeReg
0.059866 02	17.97351 81	21.52159 79	9.558228 32	49.57865 19	9.627862 38	2645.044 37	3189.174 15	1368.305 95	7276.303 61	1.399131 04	410.5959 95	492.5577 97	217.4466 85	1132.547 6	0.040878 22	11.53551 71	13.87275 45	6.047604 79	31.78522 43	EnzymeReg

0.20240368	17.6315012	21.7291064	9.50495464	49.3992204	32.5512657	2639.94923	3262.48537	1394.12937	7374.77166	4.73038402	404.46893	498.873861	217.188714	1132.76889	0.13820697	11.4454655	14.1072308	6.06337074	31.9595777	EnzymeReg
4.348236	20.4799871	18.4387823	5.18827933	48.4552847	688.98356	3045.94841	2777.29058	721.663917	7233.88648	101.239108	468.197577	422.578568	117.094131	1109.10938	2.91427803	13.0454267	11.6525884	3.23412325	30.8464163	EnzymeReg
4.37992614	20.3110883	18.3633205	5.38702797	48.441363	698.726518	3015.37539	2761.9575	740.450701	7216.51011	102.183092	464.175693	420.618027	121.323867	1108.30068	2.94550955	12.9128608	11.5693821	3.35473444	30.782487	EnzymeReg
4.20890047	21.2226033	18.7705732	4.31441	48.51649	646.145629	3180.37222	2844.70726	639.061978	7310.28708	97.0885927	485.881043	431.198701	98.4967813	1112.66512	2.77695893	13.6282936	12.0184304	2.70381863	31.1275016	EnzymeReg
4.22577091	21.1326889	18.7304007	4.42022418	48.5090847	651.332352	3164.09648	2836.54459	649.06324	7301.03666	97.5911281	483.739967	430.154994	100.748508	1112.2346	2.79358522	13.5577214	11.9741351	2.76802676	31.0934684	EnzymeReg
4.51203426	20.8930806	17.737633	5.43633315	48.5790811	695.824733	3065.95499	2625.06296	755.223481	7142.06616	104.368755	477.473027	405.57237	122.868682	1110.282833	2.99676244	13.4291632	11.2742634	3.41666518	31.1168542	EnzymeReg
4.39437622	20.2340738	18.3289115	5.47765345	48.4350149	703.169115	3001.43469	2754.96591	749.017106	7208.58683	102.613529	462.341792	419.724058	123.252543	1107.93192	2.95975051	12.8524134	11.5314417	3.40973077	30.7533364	EnzymeReg
3.44742301	20.0190453	18.2124555	4.14463665	45.8235604	491.789473	2900.49814	2609.10177	572.818813	6574.2082	78.4320513	456.167377	414.025607	93.677387	1042.30242	2.20728975	12.7207921	11.4258699	2.56221633	28.9161681	EnzymeReg
3.50989373	19.075929	17.7639181	4.88902012	45.6270189	517.709994	2835.20392	2635.8604	719.894632	6771.72503	80.5579859	437.564292	407.007744	111.846072	1046.02516	2.26276679	12.2121796	11.2491696	3.0684276	29.039641	EnzymeReg
3.35732789	20.1870545	18.4374151	3.95935709	45.9411545	479.651667	2942.0975	2648.73832	550.64044	6621.12792	76.4188384	460.599986	419.360684	89.5940239	1045.97353	2.15583892	12.8725507	11.5898245	2.45892291	29.077137	EnzymeReg
3.34067562	20.2181076	18.4789943	3.92511188	45.9628894	477.408236	2949.7863	2656.06435	546.541212	6629.8001	76.0467364	461.419265	420.346765	88.8392962	1046.65206	2.14632926	12.9006002	11.6201282	2.43983119	29.1068888	EnzymeReg
3.44238861	20.0284334	18.2250259	4.13428346	45.8301314	491.111228	2902.82266	2611.31661	571.579514	6576.83001	78.3195555	456.415066	414.323724	93.4492138	1042.50756	2.20441474	12.7292722	11.4350315	2.55644443	28.9251629	EnzymeReg
3.41198667	18.1984855	17.6332264	5.47749371	45.6073342	526.966487	2833.66873	2748.49125	864.676129	7117.71885	79.3063309	422.46684	408.549801	127.076535	1058.05267	2.23224756	11.8598144	11.3465308	3.51347453	29.5160309	EnzymeReg
2.26860732	12.4188557	26.9053981	6.04499177	47.6378529	355.81511	1952.2081	4173.67257	918.442428	7400.13821	52.7917691	288.830503	622.46677	139.08949	1103.17853	1.53727205	8.3414957	17.6544335	3.89461676	31.427818	EnzymeReg
2.28891783	12.0527588	27.1954436	5.91948237	47.4566025	360.542606	1896.67648	4220.30995	899.606681	7377.13572	53.2945593	280.398844	629.248049	136.19383	1099.13513	1.55167899	8.1112681	17.8480888	3.81471837	31.3257542	EnzymeReg
2.23412667	13.0403688	26.4129956	6.25806579	47.9455569	347.789363	2046.48266	4094.49752	950.419379	7439.18893	51.9381953	303.144707	610.954373	144.00533	1110.04261	1.51281392	8.7323489	17.32567	4.03025814	31.601089	EnzymeReg
2.03645867	12.3492373	26.4061965	6.87618252	47.6680755	315.883059	1938.88531	4086.75323	1031.03512	7372.55671	47.1248979	286.749629	610.221461	157.75037	1101.84637	1.34342596	8.2210531	17.279723	4.38761397	31.231816	EnzymeReg
2.22311757	13.2388082	26.2557792	6.32609701	48.043802	345.226867	2076.58307	4069.21816	960.629123	7451.65722	51.6656625	307.71501	607.278643	145.57489	1112.23421	1.50500483	8.8571396	17.220701	4.07356633	31.6564117	EnzymeReg
2.13508268	12.0900086	26.8094481	6.48210413	47.5166435	333.804886	1900.55018	4153.96744	976.230096	7364.5526	49.5377938	280.949707	619.854371	148.84260	1099.18447	1.42379712	8.0853957	17.5637429	4.14964385	31.2225796	EnzymeReg
3.92224394	23.9688302	14.5487721	6.88756972	49.3274159	606.34926	3682.46885	2165.65193	995.261362	7449.7314	91.3866564	555.555402	334.160369	157.111011	1138.21344	2.69218911	16.038054	9.46236642	4.40352057	32.5961301	EnzymeReg
4.17652383	23.4226785	14.9033124	6.77938152	49.2818963	650.049722	3609.01861	2187.84499	971.707617	7418.62094	97.4808878	543.540243	341.251278	154.30739	1136.5798	2.88095908	15.7631947	9.63477458	4.32315922	32.6020883	EnzymeReg
3.92346321	23.5440178	14.746372	6.98337828	49.1972313	604.431248	3559.30859	2244.44418	1054.09881	7462.28283	90.7734835	542.78333	340.5199	160.592354	1134.66907	2.60404712	15.4466434	9.71157263	4.52521246	32.2874756	EnzymeReg
3.58227048	24.6990377	14.0747498	7.03221787	49.3882758	547.921527	3780.67219	2135.9797	1026.75283	7491.32625	83.2386388	571.619727	324.67979	160.859466	1140.39762	2.43980178	16.4055421	9.23185586	4.51096409	32.5881638	EnzymeReg
3.34640519	25.2056378	13.7458848	7.13257122	49.4304989	507.385793	3848.80327	2115.39382	1048.60085	7520.18374	77.5857432	582.764764	318.102395	163.460053	1141.91296	2.26470161	16.6604964	9.07193327	4.58550578	32.5826371	EnzymeReg
4.27688616	23.2071167	15.0432468	6.73668047	49.2639301	667.29796	3580.02835	2196.60443	962.411134	7406.34188	99.8862344	538.797952	344.050005	153.200822	1135.93501	2.95546615	15.6547099	9.70282276	4.29144112	32.60444	EnzymeReg
4.70784979	16.4026978	23.4176555	2.31145187	46.8396535	691.328998	2418.69753	3475.20959	346.890347	6932.12647	108.119097	376.335566	536.894081	53.1782061	1074.52695	2.95964013	10.4192004	14.8977032	1.52142529	29.797969	EnzymeReg
4.27647627	15.356358	23.7585353	5.17351778	48.5648874	640.552055	2270.34939	3424.28905	714.515951	7049.70644	98.1072183	352.093845	541.825577	117.694883	1109.72152	2.77864118	9.8988604	15.1442815	3.28646387	31.108247	EnzymeReg
4.80087563	15.9333166	23.6471127	2.99733425	47.3786391	706.666633	2339.22043	3467.32934	434.275491	6947.49189	110.146169	365.125155	540.988177	68.7270135	1084.98652	3.02666121	10.1029693	15.0183263	1.95793218	30.105889	EnzymeReg
4.40271389	15.4952481	23.7317128	4.64964945	48.2793242	656.467686	2286.92857	3434.65005	647.054222	7025.10053	101.005331	355.230847	541.623992	105.906945	1103.76711	2.83834655	9.9479951	15.1139606	2.96664908	30.8669514	EnzymeReg
4.08562461	16.7533995	23.0985705	2.95255303	46.8901476	606.345246	2503.01919	3452.23547	431.151242	6992.75115	94.0309139	385.359122	530.205107	67.3953438	1076.99049	2.62366133	10.8152121	14.7882705	1.88060477	30.1077486	EnzymeReg
4.5895419	15.7008014	23.6920162	3.87433949	47.856699	680.022358	2311.46529	3449.98404	547.212818	6988.68451	105.29454	359.873518	541.325651	88.4611383	1094.95476	2.92670876	10.0207131	15.0690864	2.49333245	30.5098408	EnzymeReg

1.96989499	14.7040648	26.8686185	3.99180881	47.5343871	298.959741	2253.78268	4171.47851	603.631159	7327.85209	45.3603216	338.961332	621.03113	91.6884872	1097.04127	1.29779383	9.62020704	17.5744123	2.54252722	31.0349404	EnzymeReg
2.4162469	14.4214651	26.1949719	5.03137182	48.0640558	395.564973	2263.43642	4044.89928	743.23024	7447.13091	56.6482472	334.277465	604.628147	115.06763	1110.62122	1.64371812	9.48792263	17.0353574	3.1923903	31.3593885	EnzymeReg
2.14453827	14.8671617	27.2534805	3.59797515	47.8631556	330.355164	2298.55139	4238.29535	532.907547	7400.10946	49.5358515	343.246802	630.245564	82.4494469	1105.47767	1.41868422	9.74769837	17.8566457	2.29604751	31.3190758	EnzymeReg
1.93090445	14.4240348	26.2054621	4.79240431	47.3528057	297.650447	2207.29751	4052.9936	731.000893	7288.94245	44.6427032	332.558283	605.058142	110.11859	1092.37772	1.28367509	9.43217716	17.0724062	3.04331838	30.8315768	EnzymeReg
2.19799809	14.779469	27.0452145	3.88000198	47.9026836	343.185468	2291.64237	4200.24386	574.289423	7409.36112	50.9352453	341.482048	625.20523	88.8671594	1106.48968	1.46296059	9.6965864	17.6950537	2.47240673	31.3270075	EnzymeReg
1.93604541	14.4609571	26.2929002	4.68684468	47.3767474	297.823079	2213.42664	4068.616	714.207017	7294.07274	44.7373221	333.402534	607.164202	107.68859	1092.99262	1.28553666	9.45696916	17.1385964	2.97728837	30.8583906	EnzymeReg
4.07467837	22.6228542	10.5671556	13.1190389	50.3837271	618.421854	3472.73214	1611.71544	1928.54823	7631.41767	93.2656763	518.620598	242.775976	298.350197	1153.01245	2.58693995	14.2869849	6.7936913	8.18626933	31.8538855	EnzymeReg
3.7687201	23.7062598	11.0399845	11.8438129	50.3587773	568.977884	3620.28141	1689.32985	1741.27228	7619.86142	86.2534514	543.185478	254.26266	269.628323	1153.32991	2.39826425	14.9214448	7.0971863	7.40402325	31.8209187	EnzymeReg
3.87747295	23.1527111	10.4320856	13.0132493	50.475519	591.90339	3573.33932	1602.29157	1914.19836	7681.73265	88.799702	531.025556	239.985249	295.927117	1155.73762	2.46106238	14.5947812	6.7050745	8.11603994	31.8769558	EnzymeReg
4.50325667	22.4673683	13.4613503	9.11442779	49.5464031	644.415823	3221.54082	1983.7153	1330.851998	7180.52393	102.65343	511.932604	309.119153	208.481014	1132.18631	2.88573233	14.216117	8.6669103	5.77291917	31.5416788	EnzymeReg
3.79695094	23.6586449	11.1330461	11.7389113	50.3275549	571.87723	3604.9564	1700.64412	1725.49838	7602.97613	86.8837649	541.98432	256.370989	267.278216	1152.51729	2.41699937	14.8943366	7.1575164	7.34133416	31.8101865	EnzymeReg
4.12802007	23.1002526	12.2244023	10.5087266	49.9614022	605.878561	3425.23635	1833.32931	1540.51405	7404.95827	94.2756018	527.898048	281.095866	239.717947	1142.98746	2.63671061	14.5764318	7.8650219	6.60616417	31.6843277	EnzymeReg
14.0574831	22.5669326	8.92979727	3.419597	48.97381	2162.6263	3437.14073	1308.18176	500.916615	7408.86541	323.753172	517.675148	202.989347	77.6166073	1122.03427	8.95074547	14.3070736	5.5966918	2.13863707	30.993148	EnzymeReg
11.8934529	22.9817432	10.877793	3.25534378	49.0083329	1860.84105	3574.41158	1655.45934	492.503125	7583.2151	276.27633	532.51576	250.426348	74.6445331	1133.86297	7.85733193	15.0443642	7.0250386	2.09510172	32.0218327	EnzymeReg
13.0115379	21.7695685	10.3137418	3.87063456	48.9654827	2010.28899	3348.18668	1530.11871	574.17552	7462.7699	300.560773	501.449338	235.504774	88.1541257	1125.66901	8.39907191	13.9753386	6.5312228	2.43994455	31.3455778	EnzymeReg
12.6356323	22.1771075	10.5033785	3.66377079	48.9798891	1960.04386	3424.2446	1572.25884	546.716862	7503.26417	292.396225	511.894021	240.52148	83.6121347	1128.42386	8.21693628	14.3347502	6.6972448	2.32400667	31.572938	EnzymeReg
14.6538253	24.4488947	7.50790786	2.40370944	49.0143372	2258.74258	3710.00316	1104.27893	348.54084	7421.56552	337.327146	560.396175	170.736532	54.4808591	1122.94071	9.29845411	15.4804673	4.7146128	1.50575405	30.9992875	EnzymeReg
13.8306213	21.8509922	9.47071574	3.80606331	48.9583925	2126.06152	3333.33777	1385.75095	558.88376	7404.034	318.589329	501.423116	215.259037	86.4179621	1121.68944	8.81846935	13.8606884	5.9322547	2.37939989	30.9908124	EnzymeReg
1.92884976	12.6492535	25.9246867	7.36857421	47.8713641	296.255472	1981.91136	4008.91718	1101.62528	7388.70929	44.4955115	293.448592	598.844683	168.952284	1105.74107	1.25623912	8.37857729	16.9494458	4.69041666	31.2746789	EnzymeReg
2.12512776	13.2165292	26.0403621	6.67795013	48.0599692	328.348011	2072.04214	4031.78424	1008.326	7440.50038	49.2735458	307.001149	602.000876	153.475761	1111.75133	1.42323124	8.81089819	17.0594641	4.28236221	31.5759557	EnzymeReg
2.10062279	13.1455412	26.0297939	6.75666	48.03262	324.343869	2060.94134	4029.28337	1018.67464	7433.24323	48.6765633	305.308667	601.68462	155.229596	1110.89945	1.40233292	8.75701697	17.047476	4.32811507	31.5348826	EnzymeReg
1.95540501	12.7383776	25.6489749	7.84010498	48.1828625	300.405075	1982.68171	3985.38056	1186.75425	7455.22159	45.1760269	295.317441	593.420695	180.275619	1114.18978	1.28256588	8.43004922	16.8372767	5.02573429	31.5756261	EnzymeReg
1.95515987	12.7375548	25.6515202	7.83575198	48.1799869	300.366768	1982.6746	3985.59784	1185.96837	7454.60757	45.1697446	295.300188	593.470768	180.171086	1114.11179	1.28232284	8.42957405	16.8383122	5.02263875	31.5728479	EnzymeReg
1.95981395	12.7531747	25.6031988	7.9183927	48.2345802	301.094029	1982.80961	3981.4728	1200.88811	7466.26455	45.2890121	295.627724	592.520157	182.155619	1115.59251	1.28693688	8.43859505	16.8186534	5.08140669	31.625592	EnzymeReg
1.98377773	16.0440136	18.091686	12.1598702	48.2793475	298.226589	2419.42	2724.31818	1861.23173	7303.1965	45.6300747	369.327382	416.658404	280.823623	1112.43948	1.30303941	10.4852226	11.7896511	7.9353573	31.5132704	EnzymeReg
1.72887438	16.7217885	17.3813118	12.1893271	48.0213017	266.143699	2539.53774	2590.01422	1865.78837	7261.48403	39.9569836	385.422552	399.453423	281.606975	1106.43993	1.14418413	10.9449688	11.2510032	7.96644431	31.3066004	EnzymeReg
1.91996395	16.217609	17.9099827	12.1648463	48.212402	290.223668	2450.04005	2689.77587	1861.91234	7291.95193	44.2109759	373.446728	412.255225	280.963379	1110.87631	1.26335737	10.6032504	11.6522928	7.9418389	31.4607395	EnzymeReg
1.52801458	16.5145964	17.5527554	12.6662916	48.261658	235.400374	2530.28282	2658.24854	1956.43556	7380.36731	35.2726052	381.076997	404.059193	292.886296	1113.29509	1.00262488	10.7523754	11.3015408	8.23707009	31.2936112	EnzymeReg
1.41646546	16.3995305	17.647968	12.9311778	48.3951417	218.32682	2525.14303	2696.14302	2006.77721	7446.39009	32.6710978	378.663658	406.617044	299.150359	1117.10216	0.92400881	10.6454171	11.3296073	8.3873643	31.2863976	EnzymeReg
1.45963692	16.4440663	17.611119	12.8286622	48.3434812	224.934584	2527.13222	2681.4772	1987.29412	7420.83812	33.6779266	379.597662	405.627111	296.726057	1115.62876	0.95443466	10.6868119	11.3187451	8.32919782	31.2891894	EnzymeReg
3.13093893	15.7881487	12.9158874	13.1377863	44.9727613	465.819118	2350.15326	1951.83636	1962.50974	6730.31848	72.3733603	363.117689	297.874556	302.250613	1035.61622	1.96005525	9.87177989	8.10023911	8.25433911	28.1864134	EnzymeReg

3.062371 07	13.04713 63	13.22737 87	16.20293 84	45.53982 45	456.9559 86	1908.481 43	2055.460 04	2408.303 83	6829.201 28	70.88038 14	299.3795 93	306.6405 28	372.3313 63	1049.231 86	1.979236 55	8.395251 68	8.572841 77	10.47226 52	29.41959 52	EnzymeReg
2.444665 91	13.55581 69	13.11618 42	16.31772	45.43438 7	361.8651 72	1947.507 3	1976.369 54	2399.418 6	6685.160 61	56.43519 05	309.2107	301.7214 88	373.9883 83	1041.355 76	1.582481 36	8.635369 62	8.403388 43	10.47357 07	29.09481 01	EnzymeReg
1.427204 59	14.39369 7	12.93302 87	16.50678 4	45.26071 43	205.2350 67	2011.789 28	1846.094 57	2384.783 17	6447.902 09	32.64160 12	325.4041 4	293.6190 26	376.7177 66	1028.382 53	0.928960 74	9.030883 09	8.124271 09	10.47572 1	28.55983 59	EnzymeReg
3.174493 95	12.95480 3	13.24756 22	16.18210 38	45.55896 3	474.2164 15	1901.397 64	2069.816 17	2409.916 64	6855.346 86	73.50240 32	297.5950 97	307.5334 08	372.0305 88	1050.661 5	2.051253 65	8.351666 62	8.603600 13	10.47202 82	29.47854 86	EnzymeReg
3.164903 89	13.82525 31	13.14598 73	15.24272 92	45.37887 34	472.2182 96	2039.520 9	2033.930 78	2272.021 9	6817.691 86	73.24406 71	317.7367 19	304.5858 47	350.5048 73	1046.071 51	2.025600 28	8.818874 09	8.449450 94	9.788235 07	29.08216 04	EnzymeReg
2.961661 28	17.48767 29	23.88990 96	4.368127 02	48.70737 08	439.9025 99	2611.173 4	3592.465 4	632.8546 47	7276.396 05	67.97006 12	401.2319 06	548.7548 15	99.52129 85	1117.478 08	1.941265 05	11.34865 95	15.55275 02	2.770629 01	31.61330 37	EnzymeReg
2.824321 17	17.88440 28	24.06557 74	4.201746 27	48.97604 77	425.7569 89	2687.402 57	3644.626 81	617.3949 72	7375.181 35	65.02730 96	411.0414 83	553.5646 74	95.98411 93	1125.617 59	1.855701 9	11.63568 52	15.67245 21	2.670787 01	31.83462 62	EnzymeReg
2.791639 43	18.01053 15	23.95854 73	4.334754 45	49.09547 27	425.1015 7	2709.575 22	3629.683 11	638.0358 54	7402.395 75	64.38546 22	414.0660 68	551.1169 91	99.08215 36	1128.650 68	1.836623 16	11.72191 78	15.58293 66	2.760274 54	31.90175 21	EnzymeReg
3.035713 07	17.33449 78	23.51023 31	4.788302 96	48.66874 7	452.7196 91	2577.793 43	3511.963 87	687.7534 76	7230.230 47	69.66859 47	397.2643 5	539.2835 89	108.9716 51	1115.188 18	1.989854 11	11.22823 12	15.26228 24	3.041286 68	31.52165 44	EnzymeReg
2.802339 73	17.96923 58	23.99358 99	4.291206 34	49.05637 18	425.3161 6	2702.315 69	3634.575 81	631.2778 39	7393.485 51	64.59560 9	413.0757 91	551.9183 85	98.06782 86	1127.657 61	1.842869 72	11.69368 45	15.61224 48	2.730975 5	31.87977 44	EnzymeReg
2.942189 38	17.52795 03	23.98974 54	4.257641 87	48.71752 7	436.5323 49	2619.950 66	3613.633 26	618.4190 16	7288.535 28	67.52343 23	402.2751 74	551.2452 72	97.03633 1	1118.080 21	1.928488 57	11.38032 6	15.62912 86	2.699459 64	31.63740 29	EnzymeReg
4.714210 04	21.40830 89	17.09936 97	5.184659 44	48.40654 8	704.8171 41	3139.190 31	2527.296 82	741.7339 57	7113.038 23	108.2353 42	489.9264 19	391.5602 37	117.8995 29	1107.621 53	3.105640 04	13.91398 77	10.99695 34	3.275754 42	31.29233 55	EnzymeReg
4.575205 25	21.31845 49	17.40286 53	5.370795 92	48.66732 14	689.4604 09	3110.500 87	2551.257 7	755.0204 11	7106.239 38	105.2138 04	487.2696 18	397.5919 23	121.7675 38	1111.842 88	3.012242 27	13.79829 22	11.13906 24	3.395860 73	31.34545 76	EnzymeReg
4.559437 62	21.21228 04	17.48642 42	5.387154 18	48.64529 64	691.0489 6	3099.382 11	2569.679 67	755.0710 98	7115.181 83	105.0028 78	484.8243 65	399.5838 62	122.0423 86	1111.453 49	3.008378 46	13.70615 67	11.17280 89	3.401053 57	31.28839 76	EnzymeReg
4.428231 14	20.32877 58	18.18173 85	5.523275 34	48.46202 08	704.2676 94	3006.860 09	2722.973 59	755.4928 75	7189.594 24	103.2477 06	464.4767 94	416.1592 92	124.3294 67	1108.213 26	2.976226 79	12.93947 39	11.45362 2	3.444264 53	30.81358 73	EnzymeReg
4.910385 64	21.37098 32	16.75507 02	4.913835 06	47.95027 41	732.1852 57	3166.230 63	2520.336 04	720.4923 81	7139.244 31	112.7250 07	490.0097 48	385.2841 35	112.1603 64	1100.179 25	3.248960 69	13.94215 18	10.82653 96	3.091832 28	31.10948 44	EnzymeReg
4.780351	21.39572 44	16.98328 85	5.093350 51	48.25271 45	714.0443 51	3148.307	2524.949 98	734.5723 21	7121.873 66	109.7490 41	489.9545 13	389.4442 38	115.9645 59	1105.112 35	3.153960 86	13.92348 33	10.93949 81	3.213744 73	31.23068 69	EnzymeReg
2.733775 01	18.50487 7	23.45727 37	4.551334 16	49.24725 99	425.6457 1	2812.942 64	3567.644 49	675.3112 89	7481.544 13	63.35847 09	426.3948 28	540.0133 6	104.2392 82	1134.005 94	1.817843 66	12.09833 86	15.21667 82	2.913874 65	32.04673 51	EnzymeReg
2.766258 45	18.63671 87	23.26778 49	4.401180 97	49.07194 3	427.9147 94	2851.744 28	3548.732 2	655.4882 91	7483.879 57	64.10026 94	430.0064 98	536.0215 98	100.8487 05	1130.977 07	1.851041 73	12.22495 91	15.10848 09	2.820335 66	32.00481 75	EnzymeReg
2.899194 95	18.67412 66	22.82707 04	4.334745 11	48.73513 71	449.5729 64	2897.782 27	3510.867 09	649.3415 78	7507.563 91	67.27311 84	432.1645 29	527.2085 71	99.42742 82	1126.073 65	1.947541 92	12.30377 94	14.87566 58	2.778918 93	31.90590 61	EnzymeReg
3.079292 4	18.42602 3	22.42919 08	4.570840 48	48.50534 66	486.2761 81	2893.062 06	3483.090 99	685.6268 42	7548.056 08	71.65314 3	427.5776 09	519.7452 89	104.9124 79	1123.888 52	2.054856 61	12.14913 4	14.68519 47	2.925937 67	31.81512 29	EnzymeReg
2.728121 76	18.48193 2	23.49025 14	4.577466 07	49.27777 12	425.2508 1	2806.189 79	3570.935 89	678.7611 84	7481.137 68	63.22937 2	425.7662 71	540.7080 66	104.8293 61	1134.533 07	1.812066 03	12.07630 22	15.23550 84	2.930153 71	32.05403 03	EnzymeReg
2.798629 54	18.76810 43	23.07895 15	4.251547 11	48.89723 25	430.1760 31	2890.411 73	3529.885 33	635.7338 53	7486.206 95	64.83950 24	433.6056 76	532.0436 43	97.46985 5	1127.958 68	1.884124 99	12.35114 18	15.00065 78	2.727120 17	31.96304 47	EnzymeReg
4.614350 28	29.09342 05	12.62162 57	2.212395 17	48.55770 97	690.0979 44	4416.242 9	1906.696 02	302.2231 69	7317.447 58	106.1370 36	668.4634 6	289.9947 83	49.98004 06	1114.932 94	3.063236 53	18.71517 76	8.044705 9	1.377898 33	31.21086 54	EnzymeReg
4.775833 98	28.29929 52	13.78343 1	1.028579 04	47.96695 3	750.5916 75	4320.527 14	2035.361 52	144.1511	7261.599 9	110.9578 06	652.3219 98	315.2475 89	23.27443 62	1103.594 93	3.201190 31	18.52324 58	8.846395 74	0.642467 42	31.26267 29	EnzymeReg
4.683865 41	28.75156 73	13.12175 7	1.702788 74	48.30340 21	716.1391 46	4375.039 4	1962.083 65	234.1766 7	7293.406 4	108.2122 7	661.5149 21	300.8655 53	38.48387 37	1110.052 18	3.122622 56	18.63255 52	8.389815 49	1.061311 73	31.23316 74	EnzymeReg
4.611454 91	29.10765 9	12.60079 48	2.233620 74	48.56830 18	689.0133 05	4417.959 06	1904.389 08	305.0573 68	7318.448 92	106.0506	668.7528 73	289.5420 06	50.45886 64	1115.136 22	3.060763 05	18.71861 89	8.030331 77	1.391084 45	31.20993 65	EnzymeReg
4.630981 06	29.01163 56	12.74127 7	2.090477 06	48.49686 92	696.3280 35	4406.385 39	1919.946 94	285.9437 42	7311.695 98	106.6335 14	666.8010 94	292.5955 03	47.22970 06	1113.765 26	3.077444 03	18.69541 1	8.127269 83	1.302158 23	31.21620 09	EnzymeReg
4.652637 97	28.90513 38	12.89708 91	1.931713 01	48.41764 16	704.4409 75	4393.548 75	1937.202 54	264.7443 68	7304.206 13	107.2800 38	664.6363 28	295.9822 1	43.64815 63	1112.244 7	3.095945 3	18.66967 07	8.234786 13	1.203528 06	31.22314 89	EnzymeReg
2.604872 22	17.39882 38	19.62835 99	9.919917 06	49.55197 3	385.3654 37	2610.725 43	2978.764 05	1497.365 04	7472.219 96	59.66617 16	399.4651 07	451.3004 07	227.5515 7	1137.983 25	1.680104 62	11.26500 88	12.70191 7	6.338732 36	31.98576 28	EnzymeReg
2.650067 32	17.76839	19.29852 21	9.608861 68	49.32584 11	406.1719 59	2751.932 66	2975.520 47	1465.466 43	7599.091 52	61.19364 95	410.5651 86	444.8507 17	220.8248 26	1137.434 38	1.751972 79	11.68635 47	12.54396 51	6.142441 95	32.12473 45	EnzymeReg

1.669072	18.32630	19.45657	9.587016	49.31647	252.6781	2856.060	2957.435	1458.156	7565.621	38.40831	424.4450	448.0342	220.3880	1137.611	1.102684	12.14360	12.63945	6.142695	32.20114	
52	55	64	82	75	79	52	4	42	74	87	28	32	88	46	54	68	91	54	22	EnzymeReg
1.627429	18.34867	19.46435	9.587123	49.31683	246.1168	2859.996	2956.681	1457.952	7563.785	37.43950	424.9953	448.1902	220.3919	1137.620	1.074983	12.16155	12.64402	6.143356	32.20391	
54	88	48	79	09	85	81	21	95	57	39	15	62	1	77	37	07	17	84	34	EnzymeReg
2.546462	17.85491	19.29269	9.584762	49.30903	390.9202	2773.125	2973.325	1462.443	7604.308	58.82060	412.8508	444.7467	220.3075	1137.415	1.686329	11.76554	12.54332	6.128762	32.14275	
32	48	01	98	1	73	48	78	37	61	22	51	88	6	32	8	02	77	38	45	EnzymeReg
1.595026	18.36608	19.47040	9.587207	49.31710	241.0114	2863.059	2956.094	1457.794	7562.356	36.68566	425.4234	448.3116	220.3948	1137.628	1.053428	12.17551	12.64757	6.143871	32.20606	
82	77	73	02	59	91	67	36	63	83	15	98	7	83	01	87	3	2	41	97	EnzymeReg
4.813277	20.75829	16.97790	7.710382	50.25986	739.6366	3224.446	2560.819	1134.552	7659.455	111.0898	479.0790	389.0505	175.7300	1154.949	3.116499	13.39668	10.79334	4.804985	32.11151	
92	71	47	54	22	59	17	76	61	21	97	5	23	37	51	83	56	35	74	47	EnzymeReg
4.390484	19.87979	19.73132	5.540750	49.54235	705.1117	3055.045	3035.140	852.1860	7647.483	102.5166	459.1731	455.3711	127.4829	1144.543	2.942094	13.02190	12.82816	3.509244	32.30140	
13	14	54	47	14	2	87	22	11	82	36	4	46	81	9	89	07	9	69	92	EnzymeReg
4.808647	20.76577	17.03783	7.634665	50.24692	740.4876	3227.913	2577.020	1125.947	7671.369	111.0310	479.3613	390.6868	174.0741	1155.153	3.116802	13.41294	10.84740	4.760386	32.13753	
7	8	3	56	42	47	98	52	79	93	59	36	18	49	36	05	4	49	17	71	EnzymeReg
4.360372	19.77776	19.85873	5.506093	49.50297	699.8173	3030.700	3043.529	844.7932	7618.841	101.8251	456.6012	457.9951	126.6480	1143.069	2.924570	12.94823	12.89977	3.487116	32.25969	
68	98	47	06	03	2	91	81	37	27	8	7	57	06	61	12	1	94	59	7	EnzymeReg
4.544302	20.40094	19.08047	5.717791	49.74352	732.1571	3179.407	2992.283	889.9506	7793.798	106.0488	472.3110	441.9668	131.7482	1152.075	3.031616	13.39822	12.46236	3.622281	32.51448	
8	94	88	35	24	68	51	62	13	91	1	57	76	91	03	88	85	09	94	82	EnzymeReg
4.703825	20.93513	18.39453	5.920530	49.95402	759.7529	3306.420	2943.784	931.1455	7941.103	109.6990	485.7519	427.7304	136.5869	1159.768	3.123643	13.78101	12.07128	3.750709	32.72665	
43	55	3	12	41	19	61	76	82	86	57	31	43	73	4	93	3	59	04	18	EnzymeReg
2.313262	15.19483	18.89126	13.07020	49.46957	356.8186	2317.677	2893.690	1983.478	7551.664	53.48416	350.5405	436.1857	300.8111	1141.021	1.530717	9.973296	12.41232	8.473367		
52	4	99	89	54	58	32	32	61	91	64	52	79	35	63	85	19	88	16	32.38971	EnzymeReg
2.284184	15.28754	18.76844	13.34280	49.68298	358.1598	2347.905	2875.357	2020.108	7601.531	52.98970	353.1345	433.2531	306.8555	1146.232	1.519217	10.05522	12.32474	8.641361	32.54055	
16	88	75	03	08	12	46	56	24	08	59	1	22	61	9	79	98	74	61	66	EnzymeReg
2.210604	14.35888	17.96223	15.04504	49.90757	344.8600	2208.939	2775.493	2267.718	7644.787	51.24122	331.6592	415.0142	345.4376	1150.850	1.474549	9.453878	11.76505	9.658320	32.55296	
66	93	15	7	28	48	65	01	87	1	32	42	37	15	3	58	72	56	66	67	EnzymeReg
2.212820	14.43865	18.00857	14.94869	49.91485	346.0038	2222.717	2780.881	2253.363	7647.176	51.31602	333.5544	416.0452	343.2387	1151.092	1.476588	9.507994	11.79696	9.601339	32.56903	
86	08	18	83	06	51	67	72	45	19	8	14	29	43	74	12	82	51	16	43	EnzymeReg
2.253507	15.38535	18.63887	13.63037	49.90811	359.5746	2379.794	2856.017	2058.750	7654.137	52.46807	355.8710	430.1593	313.2321	1151.730	1.507085	10.14166	12.23235	8.818587	32.69969	
96	83	6	05	28	62	63	43	67	39	49	06	16	27	52	81	57	33	32	22	EnzymeReg
2.236242	15.28159	18.49830	13.93045	49.99176		2368.327	2837.831	2101.651	7672.424	52.10658	353.5831	426.9410	320.0004	1153.654	1.498131	10.07990	12.13419	8.999142	32.73884	
25	27	93	68	41	358.0919	75	24	23	75	61	41	46	31	88	96	94	41	22	17	EnzymeReg
6.098009	33.33029	9.612655	1.655502	50.69646	967.7215	5235.093	1517.320	272.7858	7992.921	141.5285	772.7377	222.9029	39.04729	1176.216	4.010868	21.84923	6.218193	1.110523	33.18882	
59	88	7	62	67	06	87	06	66	3	01	11	64	64	47	89	48	49	5	07	EnzymeReg
5.555710	33.07989	9.742743	1.895540	50.27388	859.9897	5144.997	1469.169	269.5824	7743.738	128.3674	765.0047	223.3628	43.06604	1159.801	3.630522	21.62057	6.193520	1.205846	32.65045	
62	38	64	05	81	77	13	32	51	68	04	84	15	78	05	69	02	57	27	97	EnzymeReg
6.132420	33.34618	9.604401	1.640271	50.72328	974.5575	5240.810	1520.375	272.9891		142.3636	773.2283	222.8737	38.79228	1177.258	4.035003	21.86374	6.219759	1.104474	33.22298	
76	81	07	23	12	42	89	43	36	8008.733	28	98	85	95	1	48	45	1	86	2	EnzymeReg
5.829772	33.20644	9.677000	1.774232	50.48744	914.4343	5190.529	1493.503	271.2013	7869.668	135.0186	768.9127	223.1304	41.03508	1168.096	3.822738	21.73613	6.205989	1.157672	32.92253	
98	13	92	01	73	06	44	33	65	44	45	84	2	6	94	76	07	56	87	19	EnzymeReg
5.873429	33.22659	9.666528	1.754908	50.52146	923.1069	5197.782	1497.379	271.4592	7889.728	136.0781	769.5353	223.0934	40.71156	1169.418	3.853357	21.75453	6.207975	1.149999	32.96587	
23	95	56	47	58	46	42	57	47	18	43	01	01	77	41	46	87	78	18	12	EnzymeReg
6.121971	33.34136	9.606907	1.644896	50.71513	972.4816	5239.074	1519.447	272.9274	8003.931	142.1100	773.0793	222.8826	38.86972	1176.941	4.027674	21.85933	6.219283	1.106311	33.21260	
34	31	7	45	86	87	84	63	1	56	31	94	46	58	8	68	84	68	61	84	EnzymeReg
4.507991	23.18934	14.99540	6.640226	49.33297	701.7791	3575.341	2191.215	952.2127	7420.548	105.1070	538.0243	342.8299	151.0050	1136.966	3.095058	15.59263	9.641585	4.222131	32.55141	
81	68	55	55	06	51	35	29	96	58	23	4	16	25	3	11	79	96	47	35	EnzymeReg
5.571303	24.51222	13.68919	6.201945	49.97466	845.0579	3735.939	2091.406	938.1864	7610.590	128.1943	564.2433	314.7214	141.9361	1149.095	3.643476	15.85802		3.914179	32.13592	
83	3	25	21	46	11	64	7	7	72	74	71	98	92	44	88	56	8.720241	21	27	EnzymeReg
5.023431	23.83060	14.36222	6.427770	49.64403	771.2333	3653.191	2142.833	945.4135	7512.671	116.2985	550.7339	329.2043	146.6089	1142.845	3.360903	15.72128	9.194965	4.072851	32.35000	
08	95	03	18	1	64	18	19	51	29	9	85	93	19	89	48	43	06	96	48	EnzymeReg
5.593978	24.01753	13.05970	7.093907	49.76512	842.3868	3627.457	1981.173	1078.165	7529.183	128.4334	551.7321	299.9125	162.8823	1142.960	3.617349	15.45512	8.351376	4.551196	31.97504	
4	67	27	08	49	88	11	6	73	32	04	96	86	76	56	56	41	45	63	67	EnzymeReg
4.372768	23.02111	15.16151	6.695963	49.25136	683.5580	3554.917	2203.908	953.9965	7396.380	102.1709	534.6900	346.4045	152.1583	1135.423	3.025314	15.55888	9.758755	4.261294	32.60425	
23	39	93	7	51	95	73	15	53	53	57	12	22	28	82	56	8	31	39	23	EnzymeReg
5.641499	24.59955	13.60296	6.173011	50.01702	854.5166	3746.541	2084.817	937.2605	7623.136	129.7185	565.9742	312.8658	141.3375	1149.896	3.679681	15.87554	8.659417	3.893849	32.10849	
52	41	15	6	67	12	71	73	07	56	11	49	91	03	15	33	54	42	41	36	EnzymeReg
1.435517	8.830437	27.21113	11.01953	48.49662	216.3509	1346.615	4165.941	1691.206	7420.114	33.01580	203.6717	626.8780	253.8900	1117.455	0.950758	5.840329	17.68829	7.101545	31.58092	
1	01	84	25	5	6	31	68	4	35	45	64	19	75	66	16	01	63	84	93	EnzymeReg
0.724229	9.857860	27.43323	10.65838	48.67371	105.9690	1453.127	4077.163	1607.913	7244.173	16.53840	225.4863	628.2055	244.5079	1114.738	0.468010	6.397969	17.67154	6.784708	31.32223	
06	51	99	78	72	44	07	63	75	5	84	59	49	56	27	79	34	47	24	31	EnzymeReg
1.113840	9.295084	27.31158	10.85620	48.57671	166.4312	1394.784	4125.792	1653.537	7340.545	25.56398	213.5373	627.4783	249.6470	1116.226		6.092519	17.68072	6.958257	31.46393	
53	31	27	66	41	73	74	24	7	95	19	09	88	57	74	0.732438	15	05	57	52	EnzymeReg

1.32487208	8.99025875	27.2456876	10.9633543	48.5241727	199.180407	1363.18384	4152.13174	1678.24974	7392.74572	30.4526491	207.065152	627.084524	252.430632	1117.03296	0.87566398	5.92707323	17.6856905	7.0522599	31.5406876	EnzymeReg
1.26716409	9.07361533	27.263707	10.9340541	48.5385405	190.224937	1371.82532	4144.92903	1671.49207	7378.47135	29.1158104	208.835007	627.192229	251.669445	1116.81249	0.83649788	5.97231552	17.6843314	7.0265534	31.5196992	EnzymeReg
2.09321932	9.5074889	25.437488	11.9741539	49.0123501	327.915053	1466.49554	3901.49351	1821.84215	7517.74625	48.574128	220.129439	587.784498	275.35249	1131.84055	1.38963957	6.29795217	16.7179427	7.7426318	32.1481663	EnzymeReg
1.45998456	22.06166 13	20.0224104	5.0584637 5	48.60252	217.253275	3319.55852	2964.96937	723.56863 13	7225.34979	33.435128	506.420542	457.532671	115.034182	1112.42252	0.94397701	14.2894019	12.7337107	3.1823032	31.1493929	EnzymeReg
1.64699962	21.56528 74	20.2932484	5.0865879 2	48.5921199	243.515035	3253.13595	3013.24727	717.43256 1	7227.33081	37.6364898	494.884238	463.802711	115.237243	1111.56068	1.05925077	13.940738	12.9097196	3.1683713 7	31.0780798	EnzymeReg
1.09662473	23.02610 58	19.4961777	5.0038190 4	48.6227272	166.227207	3448.61625	2871.1664	735.49083 8	7221.5007	25.27195 17	528.835347	445.35011	114.639638	1114.09705	0.72000243	14.9668489	12.3917291	3.2093724 6	31.2879528	EnzymeReg
0.21310466	23.08120 14	19.8836711	5.5054468 4	48.683424	34.5479348	3481.31037	2929.3739	817.35046 8	7262.58268	5.0276982 7	531.639304	454.57674	126.318709	1117.56245	0.14800287	15.1251568	12.7543477	3.5872452 7	31.6147526	EnzymeReg
0.402353	23.81436 91	19.2583532	5.1915861 4	48.6666614	65.2283687	3565.75834	2823.77027	782.61665 2	7237.37363	9.4925661 5	547.857034	439.962213	119.705583	1117.0174	0.27943741	15.5756198	12.2881959	3.4047894 5	31.5480425	EnzymeReg
0.65892443	24.18786 78	18.862282	4.9379944 7	48.6470687	104.761619	3604.07815	2758.1721	749.85225 3	7216.86411	15.438662 2	555.83604	430.675096	114.164374	1116.11417	0.45020446	15.782896	11.9797807	3.2419798 8	31.454861	EnzymeReg
1.48585687	21.40225 89	20.8863111	5.0338580 8	48.8082849	219.88418	3225.71881	3115.21274	722.48302 5	7283.29875	34.047659 9	491.811958	478.434219	114.566194	1118.86003	0.96584358	13.941759 3	13.3976189	3.1750823 9	31.4803042	EnzymeReg
1.51738602	20.40221 22	20.9443504	5.8463788 9	48.7103275	229.079955	3090.89806	3133.13917	890.04037 6	7343.15756	34.985105 1	470.195483	481.116894	135.200194	1121.49768	1.01099927	13.4204566	13.5169754	3.8020373 7	31.7504686	EnzymeReg
1.51658879	21.40560 38	20.8120228	5.0425760 1	48.7767913	224.343893	3226.97157	3102.50964	721.50870 1	7275.33381	34.733578 7	491.786675	476.584777	114.670873	1117.7759	0.98393588	13.927501	13.3346093	3.1735538 5	31.4196001	EnzymeReg
1.65167001	21.15614 06	20.5208333	5.2924365 5	48.6210806	245.162737	3196.64821	3054.82351	761.59863 7	7258.2331	37.810044 1	485.991846	469.661318	120.534605	1113.99781	1.07046094	13.7314474	13.1060907	3.3322936 7	31.2402927	EnzymeReg
1.53136854	21.40721 24	20.7762956	5.0467686 9	48.7616452	226.488681	3227.57406	3096.4004	721.04012 4	7271.50326	35.063454 3	491.774516	475.695333	114.721215	1117.25452	0.99263693	13.9206439	13.3043064	3.1728187 4	31.390406	EnzymeReg
1.58359077	20.77391 43	20.7355478	5.5732740 7	48.6663269	237.009095	3143.03504	3094.52795	826.71597 9	7301.28807	36.377857 7	477.983412	475.469061	127.969759	1117.80009	1.04031509	13.5737814	13.3144009	3.5704441 4	31.4989415	EnzymeReg
3.58826572	13.54769 38	19.9495444	5.9263587 5	44.1323758	516.776277	1962.16768	2868.49703	832.12663 1	6334.22468	82.091885	310.055653	455.289963	134.581585	1007.29153	2.27203519	8.67461601	12.6316006	3.7476584 1	28.0352532	EnzymeReg
4.04186729	16.99117 03	16.3322997	3.7722560 5	44.2723027	580.955659	2430.99496	2308.48631	518.59289	6271.69314	91.956147 2	386.648373	370.53414	85.804005 7	1005.64398	2.57308749	10.897161 5	10.3841367	2.3801764 5	28.2189959	EnzymeReg
3.80535366	18.42855 54	17.1283546	4.1137515 2	44.983502	544.377899	2641.44061	2432.83254	564.48054 5	6391.2001	86.546052 2	419.190211	388.8433	93.157086 9	1021.73703	2.42435474	11.722423 1	10.7937619	2.5572908 8	28.4521481	EnzymeReg
3.82506393	18.30876 81	17.0620138	4.0852923 2	44.9242328	547.426179	2623.9027	2422.4699	560.65640 7	6381.24075	86.996913 2	416.478272	387.31747	92.544303 3	1020.39588	2.43674968	11.653648 3	10.759625	2.5425307	28.4327179	EnzymeReg
3.59269632	13.56689 88	19.9190777	5.9088072 7	44.1302425	517.417054	1964.71661	2863.77536	829.58901 9	6333.22602	82.189425 8	310.480283	454.57763	134.185844	1007.20744	2.27493897	8.68746905	12.6130504	3.7366933 5	28.0355797	EnzymeReg
3.96174006	15.16657 28	17.3813775	4.4468665 9	43.9525551	570.790189	2177.02889	2470.48614	618.22008 4	6250.04317	90.314027 6	345.849561	395.244267	101.222789	1000.20341	2.51680783	9.75805619	11.067921 3	2.8233648 7	28.0627722	EnzymeReg
0.37169338	16.74323 53	22.2768944	9.8910747 7	49.2828983	59.7770923	2624.86819	3445.46857	1512.64733	7642.76118	8.6868696 6	388.259561	515.094448	227.810445	1139.85132	0.25380306	11.137165 6	14.6861029	6.3924531 2	32.4695247	EnzymeReg
0.27082361	16.71894 71	22.2965251	10.177053 7	49.4633495	43.5547966	2623.48526	3446.57742	1542.90655	7656.52402	6.3294286 6	387.660627	515.441816	234.030527	1143.4624	0.18492604	11.089653 6	14.68612 7	6.5527608 9	32.5134676	EnzymeReg
0.54791233	16.87754 94	22.2085621	9.3645354 7	49.0169677	87.9159934	2642.90386	3437.05283	1453.38043	7624.0422	12.797289 1	391.46583	513.610069	216.243222	1134.53947	0.37358368	11.277171 2	14.6503983	6.0881914 4	32.4010076	EnzymeReg
0.52408915	16.77993 02	22.2472361	9.4590159 6	49.0102714	84.2858436	2626.95754	3443.79332	1466.93149	7621.9682	12.248507 1	389.164433	514.569643	218.413104	1134.39569	0.35786293	11.208947 1	14.6860664	6.1502590 9	32.4031355	EnzymeReg
0.53055975	17.12406 53	22.1190705	9.3402315 4	49.1825609	84.5763972	2685.2829	3419.5673	1441.11167	7640.93711	12.369940 2	397.256004	511.275553	215.401065	1137.87991	0.36024407	11.424524 8	14.5531007	6.0497232 2	32.4310776	EnzymeReg
0.51175057	17.391274	22.0220668	9.3138875 2	49.3620542	80.9564707	2731.21928	3400.61402	1427.81306	7659.25021	11.906719 1	403.532213	508.745075	214.488216	1141.50076	0.34578471	11.58424 76	14.4476359	6.0080259 2	32.4636717	EnzymeReg
2.96555589	19.02235 31	20.5097297	6.0126845 8	48.5103233	454.765137	2897.34237	3132.28894	919.31805 8	7403.7145	68.445084 6	438.179891	472.406241	138.452348	1117.48356	1.95307549	12.437761 7	13.343755	3.8941557 9	31.628748	EnzymeReg
2.89273289	20.38984 77	19.3948931	5.9455815 7	48.623052	437.63742	3099.07575	2946.61998	889.80957	7373.14272	66.540185 2	469.915872	446.85555	136.486961	1119.79857	1.88579567	13.313564 9	12.606862 2	3.8121649 5	31.618387 6	EnzymeReg
2.94700416	20.12348 76	19.7357643	5.8327873 1	48.6390433	448.855343	3070.85963	3004.2524	883.30596 8	7407.27334	67.851572	464.062174	454.673181	134.18794	1120.77487	1.91798877	13.143311 8	12.833110 4	3.7684129 3	31.662823 8	EnzymeReg
2.98421651	19.94085 16	19.9694905	5.7554473 1	48.6500059	456.547172	3051.5126	3043.76941	878.84662 2	7430.6758	68.750754 7	460.04845	460.033521	132.611563	1121.44429	1.94006271	13.026573 8	12.988242 7	3.7384133 4	31.693292 5	EnzymeReg

2.919398 37	18.75838 31	20.53908 26	6.214699 52	48.43156 36	446.2320 43	2841.761 92	3135.881 91	943.4168 21	7367.292 7	67.40028 38	431.5614 07	473.0710 4	142.8601 36	1114.892 87	1.937389 9	12.26819 98	13.36174 99	3.999691 67	31.56703 13	EnzymeReg
2.967815 44	20.02134 71	19.86647 74	5.789534 34	48.64517 42	453.1570 55	3060.039 66	3026.352 58	880.8120 46	7420.361 34	68.35444 65	461.8174 69	457.6709 91	133.3063 4	1121.149 25	1.930333 78	13.07802 52	12.91986 93	3.751635 43	31.67986 37	EnzymeReg
2.927420 09	18.13718 48	20.69403 66	6.536655 03	48.29529 65	450.3009 53	2754.371 5	3136.018 05	996.5843 31	7337.274 83	67.65248 29	417.5742 24	475.8814 1	150.4681 49	1111.576 27	1.938092 77	11.87628 95	13.42435 19	4.206742 15	31.44547 63	EnzymeReg
3.004971 63	19.24776 76	20.48466 41	5.840176	48.57757 94	462.0518 84	2944.804 73	3129.220 75	898.7391 67	7434.816 53	69.33728 16	443.8316 76	471.8385 42	134.6883 62	1119.695 86	1.966470 03	12.58255 74	13.32838 85	3.804034 51	31.68145 04	EnzymeReg
3.026269 36	19.36956 71	20.47112 03	5.746963 44	48.61392 02	465.9891 74	2970.450 34	3127.562 9	887.6196 57	7451.622 07	69.81936 74	446.8855 38	471.5317 95	132.6545 47	1120.891 25	1.973707 58	12.66079 56	13.32008 54	3.755338 76	31.70992 74	EnzymeReg
2.927082 92	18.80233 02	20.53419 58	6.181067 03	48.44467 6	447.6526 77	2851.015 24	3135.283 74	939.4047 34	7373.356 39	67.57422 76	432.6632 86	472.9603 61	142.1263 04	1115.324 18	1.940001 32	12.29642 93	13.35875 4	3.982121 51	31.57730 62	EnzymeReg
2.899705 76	18.58748 66	20.56558 84	6.332080 64	48.38486 14	442.8174 02	2809.570 7	3137.481 26	958.7089 72	7348.578 34	66.96070 04	427.4152 76	473.6102 81	145.4722 4	1113.458 5	1.930521 07	12.15904 58	13.37516 94	4.064407 96	31.52914 43	EnzymeReg
3.018971 58	19.32783 19	20.47576 12	5.778903 22	48.60146 78	464.6400 41	2961.662 74	3128.130 97	891.4298 17	7445.863 56	69.65417 82	445.8391 16	471.6369 03	133.3514 45	1120.481 64	1.971227 6	12.63398 69	13.32293 05	3.772024 62	31.70016 96	EnzymeReg
0	16.68757 76	23.32761 02	10.49289 76	50.50808 54	0	2527.895 17	3474.284 56	1538.383 64	7540.563 37	0	383.3851 29	534.3047 02	240.2005 87	1157.890 42	0	10.78800 65	15.02026 28	6.735266 29	32.54353 55	EnzymeReg
0.418877 6	16.75459 66	22.26771 17	9.757303 12	49.19848 91	67.36535 57	2625.515 09	3444.949 89	1498.493 04	7636.323 37	9.789604 06	388.5397 22	514.9319 61	224.9008 93	1138.162 18	0.286021 5	11.15939 02	14.68609 16	6.317466 35	32.44896 97	EnzymeReg
0	16.68362 22	23.21325 64	10.54572 46	50.44260 32	0	2538.633 84	3471.394 09	1548.407 93	7558.435 86	0	383.6969 01	532.209	241.4313 5	1157.337 25	0	10.80835 35	14.98121 63	6.764241 1	32.55381 09	EnzymeReg
0	16.68091 62	23.13502 35	10.58186 52	50.39780 48	0	2545.980 49	3469.416 64	1555.265 86	7570.662 99	0	383.9101 94	530.7752 65	242.2733 53	1156.958 81	0	10.82227 35	14.95450 34	6.784063 68	32.56084 06	EnzymeReg
0	16.67435 08	22.94521 45	10.66954 95	50.28911 48	0	2563.804 96	3464.618 92	1571.904 58	7600.328 47	0	384.4276 86	527.2967 34	244.3162 23	1156.040 64	0	10.85604 63	14.88969 25	6.832157 24	32.57789 6	EnzymeReg
0	16.68388 87	23.22096 13	10.54216 52	50.44701 53	0	2537.910 29	3471.588 85	1547.732 52	7557.231 65	0	383.6758 95	532.3502 04	241.3484 23	1157.374 52	0	10.80698 25	14.98384 72	6.762288 84	32.55311 86	EnzymeReg
1.807051 23	16.09591 83	26.26665 56	5.322174 69	49.49179 98	279.3687 12	2474.432 2	4013.461 44	806.2982 17	7573.560 57	41.78951 12	371.8694 81	605.0251 52	122.3260 97	1141.010 24	1.181198 17	10.57892 25	17.06189 69	3.403878 59	32.22589 61	EnzymeReg
1.872906 15	15.98898 55	26.52829 55	5.412058 72	49.80224 59	288.8145 76	2470.312 9	4090.622 54	823.1210 05	7672.871 02	43.29522 32	369.8931 81	612.4890 33	124.4792 52	1150.156 69	1.230888 56	10.55480 85	17.35706 71	3.474816	32.61758 02	EnzymeReg
1.753227 92	16.18331 46	26.05281 69	5.248712 36	49.23807 18	271.6485 95	2477.798 92	3950.397 58	792.5489 31	7492.394 02	40.55889 07	373.4847 14	598.9249 12	120.5663 2	1133.534 84	1.140586 14	10.59863 08	16.82065 39	3.345901 35	31.90577 22	EnzymeReg
1.888632 55	15.96344 95	26.59077 61	5.433523 36	49.87638 16	291.0702 83	2469.329 19	4109.048 9	827.1383 49	7696.586 72	43.65479 28	369.4212 34	614.2714 36	124.9934 34	1152.340 9	1.242754 81	10.54905	17.42755 49	3.491756 11	32.71111 58	EnzymeReg
2.042828 26	15.55190 08	26.87940 63	5.623592 59	50.09772 8	314.3065 54	2422.861 25	4190.798 36	859.4449 72	7787.411 14	47.21060 35	360.5386 5	622.1888 22	129.4181 42	1159.356 22	1.350558 86	10.32421 28	17.70512 69	3.621475 3	33.00137 38	EnzymeReg
2.025038 33	15.61251 49	26.87250 58	5.603325 23	50.11338 43	311.5345 25	2431.222 82	4189.426 98	856.2948 26	7788.479 15	46.79789 46	361.9101 82	622.0542 64	128.9579 11	1159.720 25	1.338817 38	10.36387 27	17.70680 04	3.609473 39	33.01896 38	EnzymeReg
2.947714 76	16.71260 16	22.08713 2	7.389844 76	49.13729 31	452.8242 23	2581.966 95	3306.627 59	1116.913 27	7458.332 03	68.11802 81	386.8542 42	506.5946 29	169.9344 42	1131.501 34	1.955931 82	11.04378 91	14.27017 83	4.781349 79	32.05124 9	EnzymeReg
3.075913 78	16.83468 41	22.22209 49	6.892681 07	49.02537 38	467.7973 66	2552.739 48	3321.697 12	1028.800 05	7371.034 01	71.06071 71	388.3218 97	509.6174 19	158.1777 22	1127.177 76	2.033235 98	11.02979 05	14.33930 83	4.434974 63	31.83730 94	EnzymeReg
2.981008 83	16.66917 13	22.03986 24	7.495734 21	49.18577 67	454.7311 57	2562.668 02	3304.169 77	1129.515 05	7451.084	68.63348 21	384.8500 08	505.0947 65	172.0492 55	1130.627 51	1.940865 56	10.88588 96	14.10994	4.796982 51	31.73367 76	EnzymeReg
2.998134 23	16.64683 21	22.01554 85	7.550200 35	49.21071 52	455.7120 23	2552.741 26	3302.905 55	1135.997	7447.355 84	68.89861 51	383.8190 94	504.3232 82	173.1370 46	1130.178 04	1.933115 95	10.80467 11	14.02751 85	4.805023 47	31.57032 91	EnzymeReg
2.956567 75	16.73257 77	22.10910 16	7.319400 82	49.11764 79	454.1627 27	2581.747 74	3308.647 29	1105.375 72	7449.933 47	68.35946 83	387.3221 38	507.1544 75	168.3284 21	1131.164 5	1.966670 27	11.06652 69	14.30233 35	4.741205 35	32.07673 61	EnzymeReg
2.977869 9	16.75080 27	22.12926 98	7.243235 34	49.10117 78	456.5963 82	2576.570 03	3310.976 56	1091.707 68	7435.850 65	68.84161 59	387.5005 86	507.5940 88	166.5166 17	1130.452 91	1.978551 63	11.05996 98	14.30893 32	4.686546 04	32.03400 07	EnzymeReg
10.78228 32	32.84491 89	3.654364 32	2.478309 75	49.75987 62	1655.266 85	5012.824 18	551.7795 66	365.3132 57	7585.183 85	248.2244 49	755.5239 48	83.74867 67	56.41394 3	1143.911 02	6.980591 34	21.18100 84	2.304312 86	1.555027 57	32.02094 02	EnzymeReg
10.93736 62	32.02119 79	3.977598 34	3.121223 69	50.05738 61	1680.158 02	4860.028 79	600.6034 89	460.1379 85	7600.928 29	251.6198 09	735.1729 84	91.02627 56	71.00562 71	1148.824 7	7.043570 35	20.58015 28	2.494081 79	1.949222 99	32.06702 79	EnzymeReg
10.67811 77	33.02510 72	3.660036 64	2.286733 71	49.64999 53	1641.073 65	5053.749 09	552.3596 92	336.8839 21	7584.066 35	245.9919 83	760.3406 89	83.91650 1	52.06990 43	1142.319 08	6.931271 19	21.33429 52	2.315100 58	1.437742 47	32.01840 95	EnzymeReg
11.05754 73	32.36875 98	3.639374 84	2.984561 58	50.05024 35	1692.773 29	4904.677 49	550.2465 46	440.4395 79	7588.136 91	254.1238 84	742.7954 06	83.30519 06	67.89334 05	1148.117 82	7.110922 95	20.77593 82	2.275805 61	1.864960 89	32.02762 77	EnzymeReg
11.11053 25	32.15818 83	3.707498 17	3.158587 25	50.13480 62	1700.797 86	4864.193 07	560.5889 99	466.1399 21	7591.719 85	255.2747 95	737.5236 77	84.83136 57	71.84229 63	1149.472 13	7.133773 21	20.61818 89	2.314384 07	1.971629 03	32.03797 52	EnzymeReg

11.07079 85	32.34583 75	3.638653 25	3.008932 53	50.06422 18	1694.578 85	4899.471 31	550.1727 46	444.0561 59	7588.279 07	254.4078 83	742.1826 54	83.28384 12	68.44595 85	1148.320 34	7.117197 12	20.75643 81	2.274433 28	1.879881 07	32.02794 96	EnzymeReg
3.172663 71	19.67211 57	22.50438 05	2.554957	47.90411 69	497.4014 25	3002.936 44	3399.491 74	405.5961 63	7305.425 77	73.61322 94	452.9973 99	516.4287 29	59.34529 94	1102.384 66	2.100656 41	12.75594 49	14.38783 42	1.656524 98	30.90096 05	EnzymeReg
2.915449 79	18.99010 84	23.24323 09	3.354475 14	48.50326 42	445.9232 87	2908.300 84	3507.666 54	499.9600 2	7361.850 69	67.27901 76	438.4284 84	534.3022 87	76.82420 94	1116.834	1.927237 3	12.50314 83	15.09582 75	2.145705 29	31.67191 84	EnzymeReg
2.828874 31	18.83968 22	23.07418 48	4.039264 91	48.78200 62	433.8286 9	2901.846 79	3521.571 73	604.1883 45	7461.435 56	65.48385 62	435.3109 84	531.6992 41	92.59738 8	1125.091 47	1.899552 68	12.40746 19	14.99821 35	2.590294 82	31.89552 29	EnzymeReg
2.927732 27	19.01144 93	23.26721 35	3.257323 87	48.46371 9	447.6391 5	2909.216 48	3505.693 81	485.1731 27	7347.722 56	67.53369 75	438.8707 65	534.6715 82	74.58646 54	1115.662 51	1.931164 92	12.51672 33	15.10967 6	2.082631 28	31.64019 55	EnzymeReg
2.947553 21	19.04588 85	23.30591 56	3.100545 32	48.39990 27	450.4081 36	2910.694 1	3502.510 3	461.3106 71	7324.923 2	67.94468 91	439.5844 98	535.2675 34	70.97528 99	1113.772 01	1.937503 15	12.53863 02	15.13202 42	1.980845 15	31.58900 26	EnzymeReg
2.868402 2	18.90836 25	23.15136 64	3.726609 48	48.65474 06	439.3507 37	2904.793 53	3515.223 02	556.6006 71	7415.967 95	66.30347 56	436.7343 45	532.8877 18	85.39580 55	1121.321 34	1.912192 68	12.45114 96	15.04278 12	2.387307 94	31.79343 14	EnzymeReg
2.988621 38	18.55093 21	22.62950 54	4.451977 01	48.62103 58	467.7977 51	2895.438 48	3497.075 02	667.3588 33	7527.670 08	69.44799 63	429.8869 18	523.5027 18	102.1510 01	1124.988 63	2.000828 46	12.22699 1	14.78108 84	2.851920 3	31.86082 82	EnzymeReg
2.863981 32	18.72263 72	22.90486 59	4.288582 47	48.78006 69	442.3965 53	2898.705 19	3516.298 02	642.2468 88	7499.646 66	66.41671 24	433.0613 88	528.6678 32	98.35496 15	1126.500 89	1.926559 17	12.33401 65	14.91290 78	2.750173 03	31.92365 65	EnzymeReg
2.849675 69	18.74234 48	22.93647 06	4.269828 76	48.79831 98	439.4811 15	2899.080 13	3518.504 36	639.3646 49	7496.430 25	66.06879 49	433.4257 39	529.2606 61	97.91926 88	1126.674 47	1.918034 87	12.34630 05	14.92803 74	2.738494 93	31.93086 77	EnzymeReg
3.025161 54	18.44988 45	22.31094 45	4.653806 6	48.43979 71	473.7013 34	2872.791 25	3442.691 37	690.1512 69	7479.335 22	70.28109 75	427.4341 56	515.8046 95	106.5481 7	1120.068 12	2.018021 68	12.14759 4	14.52958 07	2.965413 31	31.66060 97	EnzymeReg
2.977817 98	18.48227 3	22.26154 96	4.691404 65	48.41304 52	463.0537 43	2859.988 97	3418.430 62	690.6033 11	7432.076 64	69.09371 06	427.6544 44	513.7628 67	107.2327 29	1117.743 75	1.986845 72	12.15715 52	14.44183 11	2.980934 64	31.56676 67	EnzymeReg
2.948732 35	18.60588 35	22.71763 01	4.399685 24	48.67193 12	459.6685 1	2896.483 94	3503.227 03	659.3221 63	7518.701 64	68.47788 31	430.9028 56	525.1557 29	100.9361 4	1125.472 61	1.977059 78	12.26124 28	14.82327 51	2.819357 74	31.88093 54	EnzymeReg
3.314445 2	15.09743 41	21.99339 26	8.832351 94	49.23762 38	512.5530 2	2297.674 38	3320.507 99	1289.893 13	7420.628 51	77.00258 63	349.3099 42	506.4090 23	202.0151 62	1134.736 71	2.201803	9.937823 26	14.23951 44	5.690926 3	32.07006 7	EnzymeReg
3.127535 95	15.25730 91	21.80838 27	9.375604 24	49.56883 2	482.5621 12	2331.162 47	3336.871 37	1402.036 91	7552.632 85	72.63931 96	352.9328 95	502.8501 02	214.9784 85	1143.400 8	2.090109 79	10.03014 18	14.12735 5	6.031925 53	32.27953 22	EnzymeReg
2.801538 53	15.23152 23	21.86617 08	9.959204 78	49.85843 64	436.9176 24	2345.612 18	3391.409 32	1515.249 51	7689.188 63	65.23017 93	352.4980 18	505.2180 11	228.8377 38	1151.783 95	1.890386 68	10.03287 98	14.21805 42	6.397895	32.53921 57	EnzymeReg
2.316005 58	14.90971 41	22.30619 59	10.48985 57	50.02177 12	375.1354 52	2326.238 34	3496.822 81	1607.224 39	7805.420 99	54.38221 06	345.5671 67	516.7222 91	241.3385 38	1158.010 21	1.588352 55	9.889709 34	14.61950 66	6.730122 15	32.82769 07	EnzymeReg
3.148441 7	15.23942 71	21.82907 6	9.314841 61	49.53178 64	485.9165 87	2327.416 83	3335.041 13	1389.493 65	7537.868 2	73.12734 99	352.5276 69	503.2481 66	213.5285 41	1142.431 73	2.102602 65	10.01981 6	14.1399	5.993784 85	32.25610 36	EnzymeReg
2.793502 91	15.22619 64	21.87345 32	9.967987 11	49.86113 96	435.8951 22	2345.291 54	3393.153 92	1516.771 7	7691.112 29	65.05064 43	352.3833 11	505.4084 08	229.0446 27	1151.886 99	1.885387 98	10.03051 04	14.22469 82	6.403393 39	32.54399	EnzymeReg
3.577717 99	23.54180 57	18.02863 56	3.549304 3	48.69746 36	556.2363	3540.261 16	2708.750 86	542.6563 6	7347.904 68	83.03436 99	541.3292 09	414.6348 64	82.01518 44	1121.013 63	2.396101 84	15.36456 04	11.74018 31	2.291703 65	31.79254 89	EnzymeReg
3.776514 04	23.58670 22	17.76702 59	3.429589 68	48.55983 18	576.1904 39	3558.265 59	2683.335 23	522.8286 51	7340.619 91	87.06333 78	542.4144 97	408.7490 41	79.12295 21	1117.349 83	2.476114	15.37239 78	11.58455 75	2.238712	31.67178 13	EnzymeReg
3.802232 91	24.14793 5	17.56078 01	3.085987 66	48.59693 57	584.6668 29	3643.586 4	2621.003 82	457.1727 24	7306.429 77	87.85876 85	555.1723 01	402.9308 24	70.65434 05	1116.616 23	2.501006 16	15.68058 48	11.33481 54	1.961151 51	31.47755 78	EnzymeReg
3.819899 88	24.64891 69	17.38326 75	2.781753 11	48.63383 73	591.7148 52	3719.447 01	2565.913 36	398.9572 29	7276.032 46	88.46216 69	566.5587 57	397.8829 87	63.15443 37	1116.058 34	2.521127 82	15.95613 88	11.11553 22	1.714216 35	31.30701 51	EnzymeReg
3.660230 63	23.56044 06	17.92005 14	3.499615 34	48.64033 79	564.5185	3547.734 11	2698.201 8	534.4266 36	7344.881 05	84.70664 04	541.7796 71	412.1918 84	80.81472 93	1119.492 92	2.429311 83	15.36781 34	11.67558 88	2.269708 85	31.74242 29	EnzymeReg
3.614320 79	23.55007 22	17.98046 74	3.527262 16	48.67212 25	559.9103 03	3543.576 18	2704.071 27	539.0056 36	7346.563 39	83.77619 29	541.5290 35	413.5511 52	81.48265 97	1120.339 04	2.410833 87	15.36600 34	11.71152 89	2.281946 71	31.77031 29	EnzymeReg
5.113751 99	13.87761 54	11.02382 85	15.85273 52	45.86793 11	757.3765 37	2032.738 09	1625.405 73	2366.044 37	6781.564 73	117.9055 2	318.6035 63	253.3026 68	364.5244 22	1054.336 17	3.270722 96	8.816891 39	7.051009 48	10.14548 04	29.28410 42	EnzymeReg
4.611410 42	13.75344 16	9.944675 29	18.15630 95	46.46583 69	694.3332 96	2018.554 42	1511.952 74	2735.057 04	6959.897 5	106.9537 44	316.5328	229.4627 69	418.3135 8	1071.262 89	2.981889 95	8.831000 7	6.402798	11.72697 75	29.94266 62	EnzymeReg
4.944500 45	13.83577 82	10.66023 46	16.62886 74	46.06938 06	736.1356 8	2027.959 25	1587.180 56	2490.374 04	6841.649 54	114.2155 9	317.9058 71	245.2704 05	382.6473 45	1060.039 21	3.173407 84	8.821645 17	6.832610 69	10.67832 66	29.50599 03	EnzymeReg
4.497921 24	13.72082 25	9.765680 39	18.58997 87	46.57440 29	679.6879 35	2014.566 79	1495.280 82	2804.439 27	6993.974 82	104.4580 2	315.9316 19	225.5606 36	428.4381 04	1074.388 38	2.915579 33	8.828887 94	6.297494 42	12.02573 64	30.06769 81	EnzymeReg
3.882094 15	13.36073 52	11.39318 69	17.46432 71	46.10034 33	584.0729 79	1961.520 39	1764.086 08	2620.121 11	6929.800 56	90.05350 73	307.3219 1	263.8861 38	402.0726 23	1063.334 18	2.513356 85	8.604880 12	7.375820 2	11.29970 26	29.79375 98	EnzymeReg
5.400143 49	13.94840 85	11.63906 78	14.53943 74	45.52705 72	793.3183 13	2040.824 39	1690.086 77	2155.665 42	6679.894 89	124.1492 7	319.7841 31	266.8941 06	333.8585 2	1044.686 03	3.435390 43	8.808847 49	7.420563 31	9.243848 17	28.90864 94	EnzymeReg

2.17469188	13.5854802	25.9913864	6.38207193	48.1336304	336.148131	2121.17577	4020.47046	968.360434	7446.15479	50.4844051	315.384843	600.88092	146.839866	1113.59003	1.46759698	9.05463954	17.0327934	4.10898511	31.664015	EnzymeReg
1.74554988	15.0346326	24.965879	6.12776588	47.8738274	262.457273	2245.51175	3781.08957	922.202478	7211.26106	40.0703253	345.004177	574.32165	140.657053	1100.05321	1.12666144	9.72092981	16.2121441	3.94453373	31.004269	EnzymeReg
2.06138249	13.9681101	25.7206145	6.31492571	48.0650328	316.691014	2154.00507	3957.26504	956.173023	7384.13415	47.7347021	323.205445	593.868289	145.207374	1110.01581	1.37757737	9.23056486	16.8161116	4.06556385	31.489817	EnzymeReg
1.7422234	15.0458657	24.9579298	6.12579463	47.8718135	261.886061	2246.47553	3779.23402	921.844686	7209.44029	39.989601	345.23377	574.115777	140.609127	1099.94828	1.12401869	9.72609453	16.2057828	3.94325899	30.99915	EnzymeReg
1.91129194	14.4276103	26.0152833	5.00932981	47.3635154	294.842234	2203.21333	4015.30137	763.958952	7277.31589	44.1955036	332.527308	600.412137	115.097374	1092.23232	1.26990165	9.42554544	16.9341119	3.18381571	30.813347	EnzymeReg
1.88132094	14.5371957	25.8280324	5.20689764	47.4534467	289.001178	2210.88412	3973.49411	791.897006	7265.27641	43.4499474	334.779501	595.755093	119.611851	1093.59639	1.24404411	9.47881324	16.8051163	3.31820654	30.846182	EnzymeReg
6.16245262	30.7100116	9.0996436	2.18787452	48.1599823	939.518826	4726.87278	1383.34972	312.885427	7362.62676	141.85828	708.971023	209.132687	49.4917892	1109.45373	4.02749476	20.1103752	5.8513464	1.33726321	31.326479	EnzymeReg
6.67072782	30.4724827	8.1302493	2.97561742	48.2490772	987.442606	4605.72548	1219.51883	420.535079	7233.22199	152.88541	699.521913	186.663244	67.5380188	1106.60859	4.36805614	19.5737228	5.2139111	1.89168601	31.047376	EnzymeReg
6.72768663	30.2194159	7.9947154	3.13705969	48.0788781	993.941573	4552.21626	1202.8129	454.311903	7203.28263	154.009952	693.53236	183.588839	71.5061833	1102.63733	4.38187622	19.4916516	5.1552413	2.00856599	31.037335	EnzymeReg
6.69012918	30.3862829	8.0840837	3.03060803	48.1911039	989.65629	4587.49912	1213.82844	432.040169	7223.02402	153.268453	697.481747	185.616038	68.8896584	1105.2559	4.37276355	19.5457677	5.1939269	1.93149779	31.043956	EnzymeReg
6.76122475	30.0704068	7.9149119	3.23211908	47.9786625	997.768253	4520.70931	1192.97622	474.200152	7185.65394	154.672097	690.005633	181.778588	73.842692	1100.29901	4.39001366	19.4433327	5.1206958	2.07738631	31.031422	EnzymeReg
6.72983432	30.2098738	7.9896054	3.14314702	48.0724606	994.186623	4550.19865	1202.18298	455.585489	7202.15374	154.052353	693.306518	183.472916	71.6558066	1102.48759	4.38239731	19.4885571	5.1530291	2.01297296	31.036956	EnzymeReg
6.59105372	24.8962304	12.153512	4.89722773	48.5380241	939.860922	3596.58345	1837.00084	741.636951	7115.08217	149.845955	566.478733	278.603419	112.280482	1107.20859	4.25815217	15.9376247	7.7179397	3.09316188	31.006878	EnzymeReg
6.72629252	24.4685403	12.936198	4.75206806	48.8830988	1001.23817	3629.37639	1928.74844	700.390736	7259.75373	154.14196	560.046817	296.033804	108.299414	1118.522	4.37308723	15.8251088	8.2755783	2.97484455	31.448619	EnzymeReg
6.54547498	24.8446886	12.508587	4.80254074	48.7012919	946.841398	3615.32203	1880.66876	720.986775	7163.81897	149.225054	566.250321	286.467882	109.872437	1111.81569	4.24490327	15.9616373	7.9510986	3.01844843	31.176087	EnzymeReg
6.83848702	24.2351461	13.201523	4.72075053	48.9959073	1034.99052	3638.0969	1958.58113	687.611211	7319.27977	157.192824	556.197639	301.969312	107.323377	1122.68315	4.45262334	15.740395	8.4769136	2.94778901	31.617721	EnzymeReg
7.07620659	24.2943184	12.012629	5.06074036	48.4438883	1028.22372	3572.28087	1810.7396	758.297033	7169.54122	161.317154	554.821821	275.670955	115.865372	1107.6753	4.54902993	15.6002547	7.7120021	3.21469597	31.075982	EnzymeReg
7.18351223	24.1611881	11.981461	5.09690593	48.4230674	1047.76772	3566.90565	1804.93116	761.981894	7181.58642	163.854343	552.243557	275.022355	116.658275	1107.77853	4.61336599	15.5256355	7.7106889	3.24157679	31.091267	EnzymeReg
15.2055673	23.610128	6.2429907	4.09934052	49.1580265	2319.64953	3566.00506	908.23142	589.11856	7383.00457	349.644446	541.869745	142.035264	92.929326	1126.47878	9.75761363	15.1818251	3.9048843	2.53094695	31.37527	EnzymeReg
15.8432699	22.9921412	6.9631278	3.26259558	49.0611347	2397.72359	3463.86185	1021.59489	455.724797	7338.90513	363.804809	527.497587	158.757357	73.637539	1123.69729	10.13439	14.6780251	4.3916804	2.03285492	31.236959	EnzymeReg
15.1976364	23.8194029	7.2427708	2.77616139	49.0359716	2322.65406	3603.00962	1064.20422	394.662659	7384.53056	349.43685	546.183123	164.89263	62.781387	1123.29399	9.67964747	15.1356284	4.5568971	1.73419695	31.10637	EnzymeReg
15.9203003	22.8934407	6.9297636	3.32063224	49.0641369	2406.68013	3447.26014	1016.51118	463.010115	7333.46156	365.519049	525.268218	158.025359	74.932783	1123.74541	10.18865	14.6234285	4.3719684	2.06848777	31.25254	EnzymeReg
15.4727171	23.3097512	6.3370796	4.02325489	49.1428026	2351.53859	3515.86068	923.333365	573.596393	7364.32902	355.583062	534.997987	144.293795	91.101243	1125.97609	9.93053934	14.9815671	3.9733873	2.48752722	31.373021	EnzymeReg
15.4592816	23.3248577	6.3323476	4.02708139	49.1435683	2349.93482	3518.38254	922.573858	574.377033	7365.26825	355.284397	535.343581	144.180209	91.193183	1126.00137	9.92184263	14.9916384	3.9699422	2.48971087	31.373134	EnzymeReg
4.12705882	15.0144361	22.4259929	6.19202538	47.7595131	626.778539	2318.29265	3441.56689	947.197438	7333.83552	95.165318	347.429612	518.0824	142.884752	1103.56208	2.72415733	9.9581774	14.6911145	3.98474228	31.358191	EnzymeReg
4.10108966	14.9116128	22.8766244	6.01700031	47.9063272	609.108228	2246.42725	3441.19238	920.71795	7217.44581	94.121116	343.079265	525.970786	138.936869	1102.10804	2.68244975	9.7798261	14.8329545	3.88186841	31.177089	EnzymeReg
4.07831575	14.8016983	23.6488067	5.6738719	48.2026926	585.579022	2140.5753	3438.63223	860.212059	7024.99861	92.92017	337.436932	539.52728	130.960645	1100.84502	2.62883349	9.5233320 5	15.0800137	3.66980361	30.901982 9	EnzymeReg
4.16372116	15.1060554	22.8122883	5.92478581	48.0068497	629.937933	2303.59053	3436.04277	883.457963	7253.02919	95.865939 8	348.615446	524.95117	136.215205	1105.64776	2.73682228	9.9385143	14.8235759	3.79950048	31.298412 9	EnzymeReg
4.08948326	14.8555964	23.270156	5.84212984	48.0573656	597.116906	2192.48132	3439.88764	889.881991	7119.36786	93.509074 6	340.203725	532.879658	134.871901	1101.46436	2.65512499	9.6491076 3	14.9588647	3.77379263	31.036889 9	EnzymeReg
4.18644681	15.1628428	23.0517312	5.759139	48.1601598	631.89626	2294.47751	3432.61867	843.949441	7202.94189	96.300215 6	349.350479	529.208736	132.081128	1106.94056	2.74467 26	9.9263262	14.9056812	3.68467 95	31.261359 5	EnzymeReg
2.16535618	16.5089544	24.1875645	6.35295708	49.2148322	330.85788	2596.10151	3767.94013	974.683426	7669.58294	50.007714 5	383.951392	560.580422	146.415578	1140.95511	1.43667862	11.022803	15.8224241	4.10215284	32.384058	EnzymeReg

2.62546879	15.2079293	24.4244218	7.00523739	49.2630573	418.4463	2378.06086	3744.89292	1064.72291	7606.123	61.2920266	352.915413	563.859829	161.256648	1139.32392	1.76147755	10.0754953	15.9055209	4.50269474	32.2451885	EnzymeReg
2.65675688	15.1095639	24.4471161	7.047787 9	49.2612247	426.2134 49	2364.09629	3742.42737	1069.97225	7602.70935	62.1119765	350.557739	564.097556	162.221212	1138.98848	1.78742114	10.0035845	15.9047182	4.52681 2	32.222536	EnzymeReg
2.68222447	15.0294972	24.4655885	7.08242278	49.259733	432.535682	2352.72954	3740.42047	1074.24506	7599.93075	62.7793919	348.638661	564.291059	163.006338	1138.71545	1.80853847	9.9450511	15.9040649	4.54644311	32.2040975	EnzymeReg
2.40409549	15.9038966	24.2638526	6.70417884	49.2760235	363.4912 17	2476.86472	3762.33753	1027.58216	7630.27562	55.4906165	369.596716	562.177833	154.432049	1141.69721	1.577918 3	10.5842879	15.9111999	4.33205593	32.4054621	EnzymeReg
2.23098169	16.343207	24.2081533	6.44960671	49.2319487	339.723369	2563.27533	3766.45209	989.2749 99	7658.72579	51.5118277	380.019843	561.018671	148.62176	1141.1721	1.47527973	10.9026944	15.8472008	4.16553009	32.390705	EnzymeReg
5.34274388	20.8258531	16.4223577	7.88721876	50.4781735	817.1699 83	3230.62804	2449.06189	1150.97387	7647.83378	123.113709	480.151085	375.37494	179.583799	1158.22353	3.44882853	13.3994683	10.3947288	4.92497904	32.1680047	EnzymeReg
6.52863502	20.1622749	16.511198	6.31479573	49.5169036	978.55053	3069.90434	2440.81745	936.848837	7426.12116	150.060031	464.301025	377.702752	144.546178	1136.60999	4.2444445	13.1976388	10.6069368	4.0670137	32.1160339	EnzymeReg
6.29151788	20.2166968	16.591565	6.71433874	49.8141184	944.814091	3089.12958	2452.49425	991.414629	7477.85255	144.664714	465.670189	379.424523	153.509773	1143.2692	4.08744208	13.2034865	10.6280983	4.29968707	32.218714	EnzymeReg
5.94618353	20.4384172	16.529977	7.14124309	50.0558209	898.35424 5	3140.63213	2451.24494	1049.49093	7539.72224	136.820589	470.940939	377.950557	163.000185	1148.71227	3.8549998	13.2748199	10.5431566	4.52728057	32.2002569	EnzymeReg
5.61507931	20.6510013	16.4709269	7.55055609	50.2875636	853.80886	3190.01242	2450.04711	1105.17409	7599.04249	129.299695	475.994498	376.537329	172.099529	1153.93105	3.63213573	13.3432139	10.461715	4.74549567	32.1825603	EnzymeReg
6.53012826	20.3129985	16.3212683	6.14793306	49.312328	981.59793 9	3094.70608	2421.386	913.820409	7411.51043	150.108371	467.767046	373.469881	140.710398	1132.0557	4.24141853	13.2642132	10.4840501	3.94755843	31.9372403	EnzymeReg
1.47437068	9.0321892 7	27.225226	9.53835 54	47.27014 14	230.500188	1446.89049	4286.42938	1447.26264	7411.0827	34.1478486	210.265957	630.894614	219.059977	1094.3684	0.96439537	5.9815357 4	17.8434192	6.09601413	30.8853645	EnzymeReg
1.54582502	8.7327842 2	27.1829661	10.7165323	48.1781075	235.411383	1355.47414	4207.36953	1644.68543	7442.94048	35.6266387	202.151031	627.650234	246.891338	1112.31924	1.02257802	5.7949108 9	17.7277798	6.90602477	31.4512934	EnzymeReg
1.48630978	9.1942243 9	27.2354855	9.11975469	47.0357743	234.491729	1484.57105	4303.94706	1376.89823	7399.90807	34.4895473	214.356917	631.616051	209.19055	1089.65306	0.97037078	6.0852903	17.8650285	5.81338264	30.7340722	EnzymeReg
1.63174796	9.4628388 7	27.2211836	8.96956227	47.2853327	257.616992	1517.75801	4270.25337	1350.81591	7396.44428	37.8912098	220.392042	630.243978	205.721001	1094.24823	1.07328511	6.2641296	17.7991276	5.73149428	30.8680366	EnzymeReg
2.11451035	10.3544684	27.1737106	8.47101883	48.1137081	334.378179	1627.91762	4158.41174	1264.23916	7384.9467	49.1825689	240.424825	625.689568	194.204304	1109.50126	1.41489533	6.8577624 8	17.5803784	5.45967694	31.3127131	EnzymeReg
1.47845139	9.0150904 6	27.2228126	9.60564026	47.3219947	230.780663	1441.66976	4281.91433	1458.53732	7412.90208	34.2323012	209.802519	630.709303	220.649407	1095.39356	0.96771814	5.9708777 3	17.8368151	6.14227327	30.9176843	EnzymeReg
11.0165075	23.9969374	9.6310497 2	4.26312578	48.9076204	1720.01298	3779.18682	1516.18775	629.15808	7644.54564	256.05338	558.278282	223.478091	97.7739744	1135.58373	7.35301863	15.9619418	6.31819262	2.69407708	32.3272301	EnzymeReg
13.254368	21.5063036	10.1912389	4.00426583	48.9561763	2042.74668	3299.05426	1502.89674	591.91345 3	7436.61114	305.834964	494.70221	232.264048	91.0881923	1123.88941	8.51672913	13.7431634	6.42397477	2.51483881	31.1987061	EnzymeReg
12.1428083	22.7114039	10.7519982	3.39256597	48.9987764	1894.17094	3523.95889	1627.50587	510.71770 7	7556.35341	281.692248	525.587325	247.098538	77.6574433	1132.03555	7.97815082	14.80595	6.91490487	2.17200858	31.8710143	EnzymeReg
11.2274508	23.7381198	10.3140939	3.68264969	48.9623142	1759.244 1	3723.72783	1603.5788	550.758958	7637.30969	261.184621	551.764569	238.727667	84.5604146	1136.23727	7.49234069	15.72328	6.73640537	2.35278 1 4	32.3048075	EnzymeReg
12.8764138	21.9160637	10.3819091	3.79627 7	48.9706613	1992.22773	3375.52668	1545.26652	564.30515	7477.32609	297.625921	505.203814	237.308094	86.5214483	1126.65928	8.33360 09	14.1045337	6.59090158	2.39826915	31.4273054	EnzymeReg
12.1852459	22.6653951	10.7305893	3.41591972	48.99715	1899.84333	3515.37238	1622.74848	513.817635	7551.78183	282.613979	524.408179	246.53218	78.1702084	1131.72455	7.99871 29	14.7653745	6.89616192	2.18509 73	31.8453466	EnzymeReg
6.83233134	31.2759992	8.0736728 8	2.50242148	48.6844249	1021.70723	4750.96908	1210.84407	343.931009	7327.45139	156.976237	718.40246	185.385862	56.5565827	1117.32114	4.49016962	20.0092154	5.14315359	1.58059166	31.2231303	EnzymeReg
7.67160245	32.4641716	7.9963055 3	1.54363441	49.675714	1212.41417	5129.78751	1253.72547	245.521263	7841.44841	178.075855	753.428341	185.028667	35.81278	1152.34564	5.03774748	21.3322224	5.18695438	1.001674	32.5585982	EnzymeReg
6.79380522	31.2171741	8.1157707 6	2.53399248	48.6607425	1014.91917	4742.25772	1216.29022	347.150599	7320.61771	156.079526	717.0309	186.339895	57.2344064	1116.68473	4.46829 01	19.9636987	5.16837069	1.59868864	31.1990482	EnzymeReg
7.46073137	32.2354971	7.3870138 1	1.98746633	49.0707086	1132.42742	4893.06016	1122.01181	291.416227	7438.91562	171.60251	740.773987	169.824621	45.5005914	1127.70171	4.84704675	20.751639	4.73183703	1.28541164	31.6159344	EnzymeReg
7.670757	32.4770696	7.8695303 1	1.58554394	49.6029009	1205.75145	5100.84721	1229.28143	249.891475	7785.77157	177.818144	752.615486	181.94334	36.7367228	1149.11369	5.02647853	21.2808184	5.09730586	1.03015699	32.4347598	EnzymeReg
7.51894007	32.3243754	7.3234085 7	1.93976603	49.10649	1142.68344	4906.22206	1113.78327	286.551782	7449.24055	172.957341	742.846262	168.383183	44.4764748	1128.66326	4.88010429	20.8204097	4.69373678	1.25806911	31.6523199	EnzymeReg
1.29782115	21.1081551	21.3774599	5.19964374	48.9830799	193.856994	3180.93898	3201.37988	774.408231	7350.58409	29.9145469	486.079138	490.999124	119.523102	1126.51591	0.86239627	13.8908348	13.8333231	3.35582661	31.9423808	EnzymeReg
1.69229247	20.3959619	21.087494	6.01148608	49.1872345	255.396012	3143.21649	3179.4551	917.615736	7495.68333	38.9602347	471.808578	485.181211	138.811741	1134.76176	1.12564604	13.5176536	13.6744187	3.89138695	32.2091052	EnzymeReg

1.27096663	21.3064237	21.415458	5.03091341	49.0237618	189.0336	3207.13272	3206.27314	741.464966	7343.90442	29.2683075	490.430005	491.696943	115.316169	1126.71142	0.84125469	14.0048793	13.8514919	3.23114716	31.928773	EnzymeReg
1.34842445	20.7345478	21.305858	5.51759067	48.9064209	202.945955	3131.58082	3192.15927	836.484861	7363.17091	31.13228	477.880585	489.684188	127.450434	1126.1475	0.90223438	13.675935	13.7990869	3.59076628	31.968026	EnzymeReg
1.26606255	21.3426312	21.422397	5.00010015	49.0311911	188.152759	3211.91617	3207.16674	735.448921	7342.6846	29.1502923	491.224553	491.824377	114.547905	1126.74713	0.83739385	14.0257059	13.8548098	3.2083784	31.926288	EnzymeReg
1.36494988	20.6125395	21.282475	5.62142204	48.8813866	205.914121	3115.46201	3189.14811	856.757118	7367.28136	31.5299635	475.203198	489.254772	130.03925	1126.02718	0.91524425	13.6057555	13.7879065	3.66749012	31.976364	EnzymeReg
1.68380103	15.8044245	22.469619	8.65971069	48.6175557	261.607817	2405.73119	3383.52146	1317.23993	7368.1004	38.8668376	364.162142	516.053397	198.608526	1117.6909	1.08210488	10.2865981	14.546438	5.51532119	31.430462	EnzymeReg
1.95020849	15.7026068	22.820824	7.92301281	48.3966525	304.125589	2405.98692	3475.54378	1220.44197	7406.09827	45.2229079	362.450527	525.514407	182.088245	1115.27609	1.2902383	10.2773909	14.8135581	5.01904053	31.400228	EnzymeReg
2.39808299	14.8173343	22.738349	7.87215632	47.8259232	369.226964	2234.6267	3486.57233	1197.47777	7287.90376	55.5691308	341.455095	525.846105	181.56951	1104.43984	1.59283474	9.7477907	14.9936252	5.16775281	31.502003	EnzymeReg
1.88232986	15.8367763	22.833324	7.93072048	48.4831507	294.259005	2431.95781	3473.87232	1223.92237	7424.0115	43.6548629	365.632536	525.464135	182.166864	1116.9184	1.24437762	10.3576557	14.7862676	4.99650211	31.384803	EnzymeReg
1.94949776	15.7040116	22.820955	7.92309351	48.3975582	304.02228	2406.25885	3475.52628	1220.47842	7406.28583	45.2064896	362.483844	525.51388	182.089069	1115.29328	1.28975811	10.2782313	14.8132723	5.01880454	31.400063	EnzymeReg
1.8217119	15.9080885	22.798779	8.01827572	48.5468553	285.014577	2443.48176	3462.62038	1236.52437	7427.64108	42.2314925	367.243511	524.361381	184.088354	1117.92474	1.20020889	10.3944129	14.7436239	5.04314817	31.381393	EnzymeReg
1.97216887	14.2356154	24.994713	8.64515179	49.8476493	313.072195	2196.08976	3883.93591	1353.48423	7746.58209	45.9505765	329.490789	578.435219	200.059367	1153.93595	1.32406655	9.4469926	16.4581084	5.62433444	32.853501	EnzymeReg
1.51330138	14.5138151	25.317202	8.52000257	49.8643216	231.81731	2218.62869	3902.01179	1321.89311	7674.3509	35.0127147	335.236159	585.051396	196.629312	1151.92958	1.00344142	9.5602317	16.5587554	5.49235622	32.614788	EnzymeReg
1.72626882	14.4247192	25.202849	8.64500843	49.9988455	272.031339	2221.93582	3918.96494	1346.66151	7759.59362	40.1316814	333.661719	583.384413	199.783074	1156.96089	1.15167772	9.5511863	16.6001141	5.60480143	32.907779	EnzymeReg
2.38647388	13.9170035	24.644035	8.64539334	49.5929063	382.219933	2152.54299	3824.9172	1364.97949	7724.65961	55.7545494	322.463392	570.096563	200.524879	1148.83938	1.61451609	9.2714407	16.2188501	5.65724456	32.762051	EnzymeReg
1.99332133	14.2193486	24.976809	8.64516413	49.8346434	316.602547	2193.86647	3880.9227	1354.07112	7745.46284	46.4511204	329.132004	578.009487	200.083133	1153.67574	1.33889551	9.4380294	16.4458931	5.62601464	32.848832	EnzymeReg
2.13687974	14.1089482	24.855298	8.64524782	49.7463738	340.562531	2178.77733	3860.47246	1358.05428	7737.8666	49.8482385	326.696981	575.120108	200.244435	1151.90976	1.43953715	9.3772001	16.362989	5.63741815	32.817144	EnzymeReg
2.01747654	14.7425882	21.420783	10.5885432	48.7693962	309.923872	2225.76985	3241.46647	1598.35519	7375.51539	46.4272344	338.680917	492.195884	243.088833	1120.39287	1.29770285	9.5394102	13.8752003	6.82997944	31.542295	EnzymeReg
1.97241845	14.8329257	21.481431	10.4480536	48.7348287	303.130638	2235.24408	3249.1099	1578.06444	7365.54902	45.4434984	340.818671	493.729144	239.984563	1119.97588	1.27600294	9.6207878	13.9252639	6.739196	31.561252	EnzymeReg
2.02851277	14.7204616	21.405935	10.6229536	48.7778629	311.587752	2223.44931	3239.59435	1603.32506	7377.95647	46.6681828	338.157313	491.820339	243.849169	1120.495	1.30301786	9.5194778	13.8629415	6.85221516	31.537652	EnzymeReg
2.10230149	14.5725216	21.306624	10.8530246	48.8344719	322.712603	2207.93396	3227.0772	1636.554	7394.27776	48.2791852	334.656449	489.309415	248.932837	1121.17789	1.33855443	9.3862075	13.7809599	7.0008854	31.506607	EnzymeReg
1.81611982	15.1462906	21.691789	9.96071962	48.61492	279.566095	2268.10853	3275.62361	1507.67932	7330.97743	42.03109	348.234164	499.047758	229.21639	1118.5294	1.20072974	9.9030810	14.0989163	6.42428426	31.627011	EnzymeReg
2.08038616	14.6164599	21.336119	10.7846933	48.817659	319.408513	2212.54203	3230.7948	1626.68498	7389.43033	47.8007162	335.696208	490.055162	247.422983	1120.97507	1.32800004	9.4257890	13.8053085	6.95673022	31.515827	EnzymeReg
5.84320751	19.2894198	20.208597	4.35611271	49.6973371	901.623821	2953.54956	3032.29713	639.386709	7526.85721	134.76314	443.90456	463.069154	99.2922747	1141.02909	3.78210214	12.445690	12.928978	2.74174343	31.898514	EnzymeReg
6.65250583	19.8719612	17.918379	5.24330691	49.6861533	1018.68333	3043.97191	2667.15837	767.886014	7497.6996	153.643847	458.200833	410.239181	119.600934	1141.68479	4.37207903	12.972273	11.493807	3.33397431	32.172134	EnzymeReg
6.5721244	19.9963086	17.091152	6.00253632	49.6621218	991.576069	3050.3711	2529.4846	886.245003	7457.67677	151.316127	460.689533	391.046418	137.256171	1140.30825	4.2911507	13.089742	10.973773	3.85558768	32.210254	EnzymeReg
6.48628142	19.6122801	19.199337	4.40987309	49.7077725	1006.53735	3013.5797	2875.83327	640.72236	7536.67268	150.113582	452.260577	439.872887	100.310933	1142.55798	4.26806331	12.733643	12.297792	2.76625362	32.065754	EnzymeReg
6.70343768	19.7931713	18.442532	4.76223866	49.7013798	1035.85918	3039.91721	2754.39218	692.890567	7523.05914	155.118753	456.623925	422.400233	108.414099	1142.55701	4.42335741	12.897841	11.823315	3.00346601	32.147980	EnzymeReg
6.63561803	19.8980861	17.744582	5.40281781	49.6811041	1012.98819	3045.31636	2638.23368	792.75274	7489.29097	153.154803	458.723698	406.206862	123.310225	1141.39559	4.35507633	12.996953	11.384550	3.44356308	32.180143	EnzymeReg
1.98441626	15.5675611	26.060942	5.18892023	48.8018396	315.362188	2402.40557	3973.26216	777.336653	7468.36656	46.1863087	359.761912	599.812882	119.002001	1124.7631	1.31637152	10.206902	16.855251	3.30101055	31.679535	EnzymeReg
2.19827333	15.0064338	26.100522	5.14683001	48.4520592	355.427052	2334.81023	4003.14787	765.880601	7459.26575	51.3798326	347.306823	601.525874	117.876273	1118.0888	1.47893162	9.8553554	16.922532	3.2698371	31.526656	EnzymeReg
2.22862996	14.9267827	26.106140	5.14085538	48.4024084	361.114194	2325.21518	4007.3901	764.254433	7457.9739	52.1170448	345.538843	601.769031	117.71647	1117.1414	1.50200675	9.8054539	16.932082	3.26541208	31.504955	EnzymeReg

1.95458633	15.6458302	26.0554212	5.1947912	48.8506289	309.773724	2411.83413	3969.09354	778.934605	7469.63599	45.4618879	361.499216	599.573945	119.159023	1125.69407	1.29369676	10.2559379	16.8458663	3.30535879	31.7008598	EnzymeReg
1.91933238	15.738331	26.0488965	5.2017297	48.9082895	303.169104	2422.9771	3964.16693	780.823114	7471.13625	44.6057449	363.552415	599.291561	119.344598	1126.79432	1.26689902	10.3138898	16.8347751	3.31049768	31.7260616	EnzymeReg
1.95507087	16.5777128	24.7811104	5.8763522	49.1902462	301.23581	2590.82527	3827.25155	897.389886	7616.70252	45.1872154	384.633862	572.668974	135.315291	1137.80534	1.29442421	11.0068375	16.1184395	3.77824949	32.1979507	EnzymeReg
2.84639871	25.9243137	15.6400791	6.2649724	50.6757707	435.177866	3931.73108	2377.85372	932.080324	7676.84298	65.6553593	595.988025	359.912063	143.181859	1164.73731	1.87036261	16.715502	10.1145188	3.93193615	32.6323196	EnzymeReg
2.89611543	25.8569475	15.4218775	6.3636934	50.5386339	442.199536	3924.19402	2348.22986	945.54242	7660.16583	66.8410112	594.793071	355.112446	145.495331	1162.24186	1.90983929	16.7156263	9.99493333	4.0062732	32.6266721	EnzymeReg
2.46220648	24.4343449	16.8743359	4.5698669	49.4725442	375.814268	3820.1348	2700.15915	632.008647	7682.17942	56.6861384	566.803394	394.314629	103.206109	1146.49675	1.60725594	16.1960022	11.3928062	2.89973364	32.8208245	EnzymeReg
2.72344996	25.8829001	16.1329332	5.9244195	50.7807841	417.285447	3932.79867	2460.77445	878.506495	7705.3042	62.7432316	594.968364	371.503446	135.174429	1167.02627	1.77707788	16.6615471	10.4468947	3.70074298	32.6612731	EnzymeReg
2.48474262	24.5593044	16.8103788	4.6868267	49.5853994	379.391775	3829.85373	2679.50866	653.272758	7684.17428	57.2086529	569.233042	392.346825	105.963853	1148.26773	1.62190562	16.2361624	11.3112073	2.96883263	32.8070608	EnzymeReg
2.79576981	25.9929158	15.8622842	6.1644537	50.8154238	428.027364	3939.40642	2408.02111	918.37123	7693.82612	64.4479534	597.204903	364.799741	140.82594	1167.27854	1.83016163	16.7153754	10.2362984	3.8562352	32.6380706	EnzymeReg
9.68802595	12.5105669	12.4934022	13.8130897	48.5050848	1375.23934	1799.97733	1799.054	2008.748 35	6983.01903	219.37215 9	284.02083	283.75609	314.71978 2	1101.86886	6.111987	7.8809753 8	7.9095605 2	8.79804174	30.7005646	EnzymeReg
9.67010694	12.5197257	12.5029403	13.8028016	48.4955746	1372.95933	1801.5525	1800.49411	2007.445 98	6982.45192	218.97478 7	284.24008 4	283.97641 3	314.48916 9	1101.68045	6.10089275	7.8874126 1	7.9156837 2	8.79080592	30.6947955	EnzymeReg
10.2251556	12.3567787	11.6672069	14.5408729	48.7900141	1460.41731	1791.03333	1682.3626	2088.559 19	7022.37243	232.32955	281.128238	265.037519	330.484486	1108.97979	6.51844141	7.8409831 1	7.3998817 8	9.24710664	31.0064129	EnzymeReg
8.75429883	12.9878183	12.9904121	13.2769944	48.0095236	1256.43222	1882.05629	1874.09528	1940.884 19	6953.46797	198.66583 3	295.44574 1	295.23674	302.70297 8	1092.05129	5.53388553	8.2164075 6	8.2286290 9	8.42099647	30.3999186	EnzymeReg
9.24503149	12.7369925	12.729202	13.5587464	48.2699724	1318.87288	1838.9186	1834.65634	1976.551 1	6968.99892	209.54831 7	289.44128 2	289.20293 2	309.01856 8	1097.21105	5.83771442	8.0401167 3	8.0609383 7	8.61915761	30.5579271	EnzymeReg
9.90257367	12.6004804	11.4862353	14.6294253	48.6187147	1430.36046	1844.37223	1660.2946	2091.727 68	7026.75496	225.85876 5	287.47719 2	261.09614	332.11115 1	1106.54325	6.36695871	8.0567172 5	7.2972269 1	9.26839545	30.9892983	EnzymeReg
0.13891575	19.1303202	22.3929288	8.4958669 7	50.2842624	20.9613942	2914.2573	3340.75739	1231.027 22	7526.12876	3.1918132 7	440.13146 2	513.24485 4	193.90283 7	1153.37202	0.09110888	12.3937455	14.3936853	5.37646248	32.3349789	EnzymeReg
0.66861353	18.640016	21.8063102	9.1589841 7	50.4852124	102.259349	2887.91307	3344.93768	1395.966 82	7763.08964	15.3710285	430.58193 3	501.83238 1	210.16697 4	1162.80818	0.43495163	12.2243887	14.0505708	5.79251445	32.6362929	EnzymeReg
0.75296266	18.6302483	21.8910585	9.1490810 9	50.5758382	115.455412	2866.41602	3356.87514	1406.810 31	7768.6606	17.3120084	429.57292 6	503.60415 3	210.18146 2	1164.17505	0.48905462	12.1822201	14.0871716	5.78698101	32.64204	EnzymeReg
0.306861	18.856235	21.897526	8.9066974 6	50.2461593	46.303139	2935.95275	3322.50724	1310.105 02	7657.11571	7.0506258 5	436.21511	503.39330 2	203.53220 5	1156.59958	0.20125696	12.3664474	14.1264455	5.63304425	32.5038605	EnzymeReg
0.48169274	18.6616617	21.6185048	9.1809298	50.2843819	73.0163623	2935.55135	3318.48382	1371.937 22	7750.74416	11.069741 7	432.81793 3	497.90606 4	210.13486 9	1159.77915	0.31505733	12.3178358	13.9694619	5.80477674	32.6235571	EnzymeReg
0.0108419	19.3393357	22.7707195	8.1825705 4	50.3133195	1.63596526	2897.71251	3354.67483	1170.723 06	7426.23903	0.2491101 3	443.11804 4	520.75757 7	186.55955	1150.9107	0.00711074	12.4145628	14.5974805	5.18079503	32.2061909	EnzymeReg
4.04611905	21.4737488	21.5605802	1.7278500 9	48.8082982	616.632456	3251.49432	3258.88048	261.251644	7388.2589	93.2428597	493.924292	495.682786	39.6959871	1122.54592	2.66732021	13.9855729	13.9982164	1.11634758	31.7674571	EnzymeReg
4.04443751	21.4714041	21.5494252	1.7390960 6	48.8043628	616.306724	3251.43075	3258.96704	262.85628 2	7389.5608	93.2046343	493.88537	495.488767	39.9518968	1122.53067	2.66621004	13.9844713	13.9925478	1.12336515	31.7665943	EnzymeReg
3.88959658	21.116992	21.1533908	2.5155398	48.6755192	590.489206	3221.04791	3275.20829	375.914222	7462.65963	89.7011436	486.703123	489.006292	57.675736	1123.08629	2.56613213	13.7882625	13.8046094	1.61629401	31.7752981	EnzymeReg
3.77012315	20.723669	21.3940439	2.8903833 8	48.7782194	574.183473	3176.37639	3294.89694	433.116078	7478.57288	87.01209 16	478.04731 4	493.85617 6	66.29613 94	1125.21172	2.49077335	13.5548524	13.9486911	1.86398685	31.8583038	EnzymeReg
3.98181727	21.3840853	21.134012	2.1578944 6	48.6578091	604.17653	3249.0634	3262.1908	322.612764	7438.0435	91.781129	492.43594 4	488.26349 4	49.481939 3	1121.96251	2.62486764	13.9434478	13.7814505	1.38469832	31.7344643	EnzymeReg
3.92253678	21.2254356	21.08704	2.4121911 1	48.6472036	594.984884	3233.36436	3269.77991	360.143013	7458.27216	90.4425461	489.08962 9	487.66912 3	55.298991 7	1122.50029	2.58690942	13.8526164	13.7648844	1.54800224	31.7524125	EnzymeReg

Obtain the best classification model with Weka using the above table as input (using or not the feature selection).