

ID	Name	Formula	Molecular Weight	RT [min]	m/z	mzCloud_Resul	mzVault_Resul	MassList_Resu	pos_L_C1	pos_L_C2	pos_L_C3
Com_28_pos	Nicotinic acid	C6 H5 N	123.032	1.916	124.039	Full match	Full match	Full match	4806297968	5552722446	7662074549
Com_41_pos	Hexadecanamide	C16 H33	255.256	9.673	256.263	Full match	Full match	No results	4189155581	2461378563	1761720448
Com_43_pos	L-(-)-Methionine	C5 H11 N	149.051	1.9	150.058	Full match	Full match	Full match	3703440067	2646331667	2477933392
Com_67_pos	L-(+)-Citrulline	C6 H13 N	175.096	1.308	176.103	Full match	Full match	Full match	1433216999	825419844.2	1063994845
Com_68_pos	Choline	C5 H13 N	103.1	1.261	104.107	Full match	Full match	No results	3179037448	3206793598	2534464941
Com_69_pos	Indole-3-acrylamide	C11 H9 N	187.063	5.164	188.07	Full match	Full match	Full match	1883271896	1801584646	1610279970
Com_79_pos	D-(+)-Proline	C5 H9 N	115.063	1.395	116.071	Full match	Full match	Full match	2118898703	2263030286	2941409499
Com_84_pos	Acetophenone	C8 H8 O	120.058	2.575	121.065	Full match	Full match	No results	164884488.7	311856213.5	170872963.7
Com_95_pos	L-Pyroglutamic acid	C5 H7 N	129.043	1.294	130.05	Full match	Full match	Full match	1151058562	877478931	567019825.6
Com_115_pos	Valine	C5 H11 N	117.079	1.697	118.086	Full match	Full match	Full match	1096743946	953491164.7	716999161.3
Com_166_pos	Glycitein	C16 H12	284.068	5.814	285.075	Full match	Full match	No results	226969450.8	379102494.9	60118713.8
Com_181_pos	Isoferulic acid	C10 H10	194.058	5.554	195.065	Full match	Full match	Full match	1167721704	1276114534	1025428831
Com_182_pos	DL-Lysine	C6 H14 N	146.106	1.137	147.113	Full match	Full match	Full match	766028214.8	183151254.2	853936597.7
Com_207_pos	Acetylcholine	C7 H15 N	145.11	1.349	146.117	Full match	Full match	No results	254287166.8	166012045	278500325.1
Com_242_pos	L-Threonine	C4 H9 N	119.058	1.291	120.066	Full match	Full match	Full match	691901334.3	396715155.5	317048430
Com_258_pos	Urocanic acid	C6 H6 N2	138.043	1.429	139.05	Full match	Full match	Full match	803680023.4	558899119.6	744240960.3
Com_265_pos	Betaine	C5 H11 N	117.079	1.327	118.086	Full match	Full match	Full match	302101398.7	411324522.2	1240062103
Com_266_pos	4-Methoxybenzyl alcohol	C8 H8 O2	136.052	5.74	137.06	Full match	Full match	Full match	50834167.86	60156316.07	39575281.1
Com_280_pos	Acetanilide	C8 H9 N	135.068	2.341	136.076	Full match	Full match	No results	561349077.1	449911322.5	352591954.6
Com_383_pos	oleoyl ethanolamide	C20 H39	325.297	9.802	326.305	Full match	Full match	No results	558008093.8	309475930.3	366816852.6
Com_384_pos	DL-Stachydrin	C7 H13 N	143.095	1.419	144.102	Full match	Full match	No results	81871421.44	159421235.5	100888507.1
Com_412_pos	7-Methylguanidino	C6 H7 N5	165.065	2.093	166.072	Full match	Full match	Full match	120398736.5	117970102.6	146187141.3
Com_434_pos	Thiamine	C12 H16	264.105	1.31	265.112	Full match	Full match	No results	485354509.6	253489237.8	160048182.4
Com_463_pos	Cytosine	C4 H5 N3	111.043	1.31	112.051	Full match	Full match	Full match	156865494.9	223535096.7	134080794.5
Com_492_pos	N-Benzylformamide	C8 H9 N	135.068	2.177	136.076	Full match	Full match	No results	276941332.3	222266187.3	257940985.1
Com_505_pos	Carvone	C10 H14	150.104	6.77	151.112	Full match	Full match	No results	120541432	94923623.8	186420100.9
Com_573_pos	(R)-Equol	C15 H14	242.094	5.91	243.101	Full match	Full match	Full match	328103279.5	457315785.6	458826235.7
Com_584_pos	D-Alanyl-D-alanine	C6 H12 N	160.085	1.368	161.092	Full match	Full match	Full match	72305327.62	72049883.26	58485290.98
Com_590_pos	2,4-Dimethylthiazole	C9 H10 S	134.073	6.412	135.08	Full match	Full match	No results	339180387.6	443962107	495721582.8
Com_640_pos	DL-Carnitine	C7 H15 N	161.105	1.312	162.113	Full match	Full match	Full match	307349453.9	190289217	192838420.1
Com_677_pos	Creatinine	C4 H7 N3	113.059	1.318	114.066	Full match	Full match	Full match	285034019.7	175698117.1	162209596
Com_705_pos	L-Alanyl-L-proline	C8 H14 N	186.101	1.454	187.108	Full match	Full match	No results	273305050.8	232505356.5	117452450.5
Com_742_pos	Caffeine	C8 H10 N	194.08	5.361	195.088	Full match	Full match	No results	4841564.311	341820365.1	6753643.923
Com_817_pos	Indole	C8 H7 N	117.058	6.05	118.065	Full match	Full match	No results	182143092.2	216113382.3	122793999.8
Com_845_pos	8-Hydroxyquinoline	C9 H7 N	145.053	5.658	146.06	Full match	Full match	No results	134100329.7	168911610.5	353799409.7
Com_852_pos	Glycylproline	C7 H12 N	172.085	1.427	173.092	Full match	Full match	Full match	226235283.6	285116574.2	189348132.9
Com_1091_pos	D-Serine	C3 H7 N	105.043	1.267	106.05	Full match	Full match	Full match	162942964.2	104519612.9	63688749.58
Com_1137_pos	L-L-Glutamyl-L-proline	C10 H16	276.096	1.418	277.104	Full match	Full match	Full match	97972172.64	70597847.14	55349196.75
Com_1143_pos	2-Amino-1,3,4-triazole	C3 H3 N3	117.058	6.885	318.299	Full match	Full match	No results	39217568.11	20387936.2	12087125.02
Com_1195_pos	N-Acetyl-D-lysine	C14 H25	383.143	1.406	384.151	Full match	Full match	No results	122905842.1	93803387.93	85620268.23
Com_1437_pos	α -Linolenic acid	C20 H35	321.267	8.714	322.274	Full match	Full match	No results	127768672.1	138532109.3	120150386.7
Com_1463_pos	DL- α -Aminocaproic acid	C8 H17 N	159.126	4.053	160.133	Full match	Full match	Full match	125921811	95605158.23	83299622.65
Com_1631_pos	5 α -Dihydrotestosterone	C19 H30	290.224	8.274	291.231	Full match	Full match	Full match	114162516.4	59999741.29	23866531.82
Com_1702_pos	4-Methyl-5-thiazolone	C6 H9 N	143.041	1.312	144.048	Full match	Full match	No results	109108446.6	59101947.08	45521732.95
Com_1750_pos	N3,N4-Dimethylthiazole	C8 H18 N	202.143	1.363	203.15	Full match	Full match	Full match	68775030.28	106305476.7	91711907.58
Com_1971_pos	Isohomovanillin	C9 H10 O	182.058	5.22	183.065	Full match	Full match	Full match	53359601.03	83277802.08	35578008.88
Com_1983_pos	4',7-Dihydroxyflavone	C15 H12	256.073	5.728	257.081	Full match	Full match	No results	13374516.44	24019054.4	27946086.81
Com_2013_pos	Diosmetin	C16 H12	300.063	6.081	301.07	Full match	Full match	No results	5323679.289	10775073.92	2293532.553
Com_2023_pos	N8-Acetylspermidine	C9 H21 N	187.169	1.234	188.176	Full match	Full match	No results	24164423.33	23605748.37	55659833.32
Com_2041_pos	(2E)-3-(3,4-cyclohexadienyl)acrylamide	C11 H12	208.073	5.949	209.081	Full match	Full match	Full match	90614983.63	107630213.3	121176482.7
Com_2170_pos	Histamine	C5 H9 N3	111.08	1.167	112.087	Full match	Full match	Full match	6682182.208	60758476.68	5696013.157
Com_2183_pos	5,7-dihydroxyflavone	C15 H10	270.052	5.665	271.059	Full match	Full match	No results	33071384.51	46607663.72	12093762.22
Com_2311_pos	D-Sphingosine	C18 H37	299.282	6.914	300.289	Full match	Full match	Full match	29945359.04	21487022.47	17602384.4

Com_2402_pos	(+)-ar-Turmer	C15 H20	216.151	5.528	217.159	Full match	Full match	No results	74725992.77	65132702.3	95999665.43
Com_2442_pos	Cortisol	C21 H30	362.208	6.006	363.216	Full match	Full match	Full match	35621389.79	47073163.62	54714125.51
Com_2517_pos	5-(E)-2-(3,5	C15 H14	274.083	5.899	275.09	Full match	Full match	No results	2236035.038	5452932.968	2261591.147
Com_3006_pos	N-Acetylserot	C12 H14	218.106	5.263	219.113	Full match	Full match	Full match	18024816.66	34882182.14	29034409.41
Com_3189_pos	trans-Cinnama	C9 H8 O	132.057	5.571	133.065	Full match	Full match	No results	52616732.39	58306393.39	59752106.18
Com_3393_pos	Indole-3-acet	C10 H9 N	175.063	5.717	176.071	Full match	Full match	Full match	15998442.3	63773882.38	61389648.04
Com_11365_pos	7-hydroxy-3-(	C16 H12	268.073	6.258	269.08	Full match	Full match	No results	2242568.698	2093235.774	851577.7659
Com_12574_pos	7-(1H-pyrrol-	C16 H10	262.074	6.627	263.081	Full match	Full match	No results	848267.3171	6636556.924	3213410.976
Com_13_pos	L-Glutamic ac	C5 H9 N	147.053	1.3	148.06	Full match	Full match	Full match	3532803649	2557210045	2280203790
Com_40_pos	Creatine	C4 H9 N3	131.07	1.363	132.077	Full match	Full match	Full match	5592849475	3977940366	4237079163
Com_72_pos	L-Phenylalani	C9 H11 N	165.079	4.974	166.086	Full match	Full match	Full match	2215639213	1342685362	1185091842
Com_86_pos	L-Tyrosine	C9 H11 N	181.074	2.315	182.081	Full match	Full match	Full match	1514614680	1306578193	1410914258
Com_94_pos	D-(-)-Glutami	C5 H10 N	146.069	1.282	147.077	Full match	Full match	Full match	1185860298	901470984.1	581230898.6
Com_106_pos	5-Hydroxyindc	C10 H9 N	191.058	5.496	192.065	Full match	Full match	Full match	2227757403	2810192851	2556716070
Com_156_pos	Leucylproline	C11 H20	228.147	5.103	229.155	Full match	Full match	Full match	1415435435	1177074452	510839134.2
Com_159_pos	N-Acetyl-D-ga	C8 H15 N	221.09	1.388	222.097	Full match	Full match	Full match	1393797287	1507345596	1056565553
Com_183_pos	Pipecolic aci	C6 H11 N	129.079	1.139	130.086	Full match	Full match	Full match	757073196.3	530009852.6	845534299.7
Com_204_pos	Adenine	C5 H5 N5	135.055	1.659	136.062	Full match	Full match	Full match	948263328.6	1046238163	923245367.5
Com_230_pos	Hypoxanthine	C5 H4 N4	136.038	3.739	137.046	Full match	Full match	Full match	373411815.9	430773529.7	131945644.6
Com_245_pos	Guanine	C5 H5 N5	151.049	1.682	152.057	Full match	Full match	Full match	755941098.1	1103926645	593751381.1
Com_256_pos	Daidzein	C15 H10	254.057	5.8	255.064	Full match	Full match	No results	136054509.5	185161263.8	89923911.48
Com_274_pos	DL-Arginine	C6 H14 N	174.112	1.259	175.119	Full match	Full match	Full match	526046069.8	399002291.5	248072224.7
Com_298_pos	Pantothenic a	C9 H17 N	219.111	5.06	220.118	Full match	Full match	Full match	292521397.3	437212098.7	605192044.4
Com_361_pos	4-Hydroxybenz	C7 H6 O2	122.037	2.292	123.044	Full match	Full match	Full match	316967128.7	344917152.1	312798304.8
Com_428_pos	Valylproline	C10 H18	214.132	4.801	215.139	Full match	Full match	No results	492801974.5	407403484.6	210578826.1
Com_532_pos	Pyridoxine	C8 H11 N	169.074	2.101	170.081	Full match	Full match	Full match	382268115.9	303193571.3	193049907.4
Com_537_pos	Glycyl-L-leuc	C8 H16 N	188.116	5.003	189.123	Full match	Full match	Full match	100807467.6	94061758.93	41212127.52
Com_562_pos	Nicotinamide	C6 H6 N2	122.048	2.234	123.055	Full match	Full match	Full match	32809182.85	31859928.94	34781068.86
Com_589_pos	DL-5-Methoxyt	C12 H14	234.1	5.117	235.108	Full match	Full match	No results	16160438.96	10982314.57	15206157.51
Com_768_pos	Kynurenic aci	C10 H7 N	189.042	5.921	190.049	Full match	Full match	Full match	114688502.2	157853036.2	158172747.8
Com_770_pos	Cytidine	C9 H13 N	243.086	1.418	244.093	Full match	Full match	Full match	248775056.1	319366744.1	117969477
Com_778_pos	16-Hydroxyhex	C16 H32	272.235	7.981	273.242	Full match	Full match	No results	248869551.9	153386259.2	127701430.2
Com_782_pos	4-Pyridoxic a	C8 H9 N	183.053	3.865	184.061	Full match	Full match	Full match	247599403	205001912.2	240919563.5
Com_844_pos	Asparagine	C4 H8 N2	132.054	1.274	133.061	Full match	Full match	Full match	65586478.32	7190704.004	9620894.425
Com_947_pos	18-β-Glycyrr	C30 H46	470.339	6.73	471.346	Full match	Full match	No results	46468655.38	62802790.59	56495908.14
Com_954_pos	Xanthurenic a	C10 H7 N	205.037	5.3	206.044	Full match	Full match	Full match	107041207.4	217649743.5	94205520.29
Com_1011_pos	L-Histidine	C6 H9 N3	155.07	1.258	156.077	Full match	Full match	Full match	147205925.7	99139443.45	46238488.22
Com_1291_pos	Corticosteron	C21 H30	346.214	5.882	347.221	Full match	Full match	Full match	37529025.35	53878173.37	64810254.56
Com_1708_pos	Inosine	C10 H12	268.081	3.727	269.088	Full match	Full match	Full match	78558277.81	67812138.23	17675243.85
Com_1723_pos	Naringenin	C15 H12	272.068	5.91	273.075	Full match	Full match	No results	6219255.563	17104548.97	2010338.499
Com_2034_pos	6-Hydroxymela	C13 H16	248.116	5.5	249.123	Full match	Full match	Full match	6732733.657	6529739.865	6113209.204
Com_2074_pos	L-Saccharopin	C11 H20	276.132	1.438	277.139	Full match	Full match	Full match	88790459.27	65925225.49	56383646.18
Com_2148_pos	Progesterone	C21 H30	314.224	6.772	315.232	Full match	Full match	Full match	19169964.55	31583593.88	33220648.55
Com_2397_pos	4-Phenylbutyr	C10 H12	164.084	9.79	165.091	Full match	Full match	Full match	47354322.41	43986152.04	36009308.71
Com_2437_pos	19-Nortestost	C18 H26	274.193	6.702	275.2	Full match	Full match	Full match	44921199.39	55468699.4	56713810.92
Com_2900_pos	5-Methoxyindc	C11 H11	205.074	5.631	206.081	Full match	Full match	Full match	12364319.02	12379511.4	10806314.24
Com_3427_pos	D-Pantethine	C22 H42	554.244	5.484	555.251	Full match	Full match	Full match	7595321.911	25021191.16	36573208.07
Com_21_pos	L-Norleucine	C6 H13 N	131.095	3.067	132.102	Full match	Not the top h	Full match	10929875897	4934173206	3884177686
Com_48_pos	(+/-)12(13)-	C18 H34	296.235	8.395	297.242	Invalid mass	Invalid mass	No match	4351192406	2749048534	2390939009
Com_50_pos	tert-Butyl N-	C11 H22	230.163	5.125	231.17	No results	Full match	No results	349350214.5	346747180.7	147079113.9
Com_61_pos	2-Hydroxycinn	C9 H8 O3	164.047	2.302	165.055	Full match	Not the top h	Full match	1662901494	874352162.4	1427727795
Com_130_pos	Ginkgolic aci	C24 H38	374.282	7.095	375.29	No results	Full match	No results	87083448.64	661881955.3	1002096046
Com_132_pos	Homo-Gamma-Li	C20 H34	306.255	7.24	307.262	No results	No results	Full match	656643055	754985634.8	822358239.4
Com_142_pos	Apocynin	C9 H10 O	184.073	5.532	185.081	Invalid mass	Invalid mass	No results	82796096.54	88295044.76	35115203.21

Com_155_pos	9-Oxo-ODE	C18 H30	294.219	7.997	295.226	Full match	Partial match	Full match	1428902278	1256135390	1067816374
Com_163_pos	D-(+)-Maltose	C12 H22	364.098	1.325	365.106	Invalid mass	Invalid mass	No results	1314610835	965290365.6	655648684.6
Com_173_pos	5-[(10Z)-14-(C26	H36	412.258	7.705	413.266	Invalid mass	No results	No results	444013106.5	483796268.6	968591343.8
Com_187_pos	12,13-EODE	C18 H32	296.235	6.96	297.242	No results	No results	Full match	1131083162	463206718.8	500855469.6
Com_236_pos	N-[1-(4-methoxy	C13 H19	270.158	5.042	271.165	Invalid mass	No results	No results	859227496.8	264463277.8	793104777
Com_259_pos	5,6-dimethoxy	C18 H16	136.053	5.603	295.095	Invalid mass	No results	No match	770788717.8	1039069271	927540160.2
Com_290_pos	3-Methoxy pnc	C21 H38	351.227	6.702	352.234	Invalid mass	Invalid mass	No results	139895879.9	50074795.84	157377679.5
Com_291_pos	3-amino-2-phe	C12 H10	242.08	5.82	243.088	Full match	No results	No results	738128823.6	334486128.9	243110711.5
Com_299_pos	4-oxododecane	C12 H20	244.131	5.544	245.138	Full match	No results	No results	717334037.7	380503610.8	880889524.5
Com_302_pos	4-Aminobenzoi	C7 H7 N	137.048	1.402	138.055	Full match	Not the top h	Full match	715859964.3	561398976.6	451080067
Com_320_pos	N-(2-hydroxy	C8 H9 N	173.047	5.439	174.054	Invalid mass	No match	No match	31423698.19	887044727.5	28525971.75
Com_321_pos	L(-)-Carnitir	C7 H15 N	161.105	1.418	162.113	Full match	No results	Full match	215167298.1	281746323.3	220342975.9
Com_354_pos	3-methyl-5-ox	C13 H17	257.103	1.303	258.11	Invalid mass	No match	No match	611640135.5	82063822.74	152100644.5
Com_380_pos	Celestolide	C17 H24	266.163	5.025	267.17	Invalid mass	No results	No results	23001677.53	36614980.92	9204011.617
Com_391_pos	13,14-Dihydr	C20 H36	338.245	6.098	339.252	Invalid mass	No results	No results	546874989.2	345458831.3	473677759.3
Com_437_pos	Tiglic acid	C5 H8 O2	100.053	1.419	101.06	No results	No results	Full match	189677883.6	229445135.3	126168431.9
Com_443_pos	1,4-dihydroxy	C19 H36	310.25	8.394	311.258	Invalid mass	No results	No results	468491818.2	258103216.8	161541188
Com_445_pos	Norbutorphan	C16 H21	259.153	5.024	260.161	No results	Invalid mass	No results	165905552.6	105937628.3	79098468.08
Com_451_pos	Perillene	C10 H14	150.104	8.121	151.112	No results	Full match	No results	163906727.6	158080521.6	230803003.8
Com_466_pos	4-(2-((4-Meth	C17 H13	291.095	1.378	292.102	Invalid mass	No results	No results	388381718.5	577037920.7	294576279.9
Com_467_pos	Styrene	C8 H8	104.063	8.119	105.07	No results	No results	Full match	129266954.1	136203353.3	213603990
Com_480_pos	KPK	C17 H33	353.243	6.676	354.25	Invalid mass	No results	No results	25012608.72	110573034.6	43061684.03
Com_489_pos	Valerophenone	C11 H14	162.104	5.545	163.112	Full match	No results	No results	420997210.7	241307505.2	522483917.8
Com_497_pos	Kanosamine	C6 H13 N	201.064	1.343	202.072	Invalid mass	No results	No results	411969649.1	311051352.2	203703151.1
Com_515_pos	2-Methoxybenz	C8 H8 O2	136.052	5.601	137.059	Full match	Partial match	Full match	152547832.8	178449836.2	64070159.94
Com_519_pos	4-(methylthio	C17 H12	282.095	1.326	305.084	Invalid mass	No results	No results	327094371.7	513763647.3	437142755.3
Com_523_pos	3,3-dimethyl-	C14 H19	249.136	5.02	250.144	Full match	No results	No results	31327737.9	41629437.95	12789508.4
Com_539_pos	Alanyltyrosin	C12 H16	252.111	5.118	253.118	Full match	No results	No results	92652781.45	52741691.45	55320976.45
Com_596_pos	PC (7:0/8:0)	C23 H46	495.296	6.137	496.303	No results	Full match	No results	336151661.7	359156559.4	262377090.9
Com_638_pos	Tropine	C8 H15 N	141.115	4.964	142.122	Full match	No results	No results	11386958.18	4951658.923	4409487.819
Com_664_pos	Azetidine-2-c	C4 H7 N	101.048	1.298	102.055	No results	No results	Full match	129819844.4	82567277.29	79656413.76
Com_671_pos	ethyl 3-[5-(e	C15 H22	294.158	5.032	295.165	Full match	No results	No results	287627887.5	136387298.1	238871876
Com_682_pos	D-Glucosamine	C6 H13 N	179.079	1.294	180.087	No results	No results	Full match	242717242.5	164512163.1	151893737.6
Com_686_pos	Anacardic aci	C22 H36	338.295	6.128	361.284	Invalid mass	No results	No results	276886675.1	283199822.6	261683311.8
Com_719_pos	p-Mentha-1,3,	C10 H14	134.109	8.121	135.117	No results	No results	Full match	79981329.45	83437118.87	122635941.3
Com_724_pos	Glabrolide	C30 H44	468.324	6.512	469.331	No results	Full match	No results	267759670.4	167221706.2	144701683.1
Com_756_pos	UR-144 N-(2-h	C21 H29	327.215	5.283	328.223	Invalid mass	No results	No results	90254581.05	71795350.35	43505415.05
Com_759_pos	2-(2-amino-3-	C14 H20	264.147	5.199	265.155	Full match	Partial match	Full match	46650253.5	31409580.23	19946717.79
Com_776_pos	Sedanolid	C12 H18	176.12	8.123	177.127	Invalid mass	Invalid mass	No results	73307178.57	95702453.31	104169660.8
Com_779_pos	FMH	C20 H27	433.182	4.661	434.188	Invalid mass	No results	No results	110490892.4	174407157.6	128220858.2
Com_786_pos	L-Dopa	C9 H11 N	197.068	4.894	198.076	Full match	No results	Full match	246758616.5	185808364	158846039.9
Com_797_pos	2'-Deoxydenc	C10 H13	273.085	1.374	274.092	Invalid mass	No results	No results	128390525.4	318108430	221071746.3
Com_835_pos	Prostaglandin	C20 H32	352.222	5.879	353.23	No results	Invalid mass	No results	231036577.9	210141669	119785173.2
Com_874_pos	0-Arachidonoy	C22 H37	347.282	6.079	348.289	Full match	Not the top h	No results	205454619.1	222847147.5	107510143
Com_888_pos	ERH	C17 H28	440.218	8.121	441.225	Invalid mass	No results	No results	60771247.63	85222553.21	56754762.08
Com_904_pos	L-Homocitrull	C7 H15 N	189.111	1.427	173.092	No results	No results	Full match	209780677.4	257077149.9	161445101.9
Com_918_pos	Methyl dopa	C10 H13	211.084	5.203	212.091	No results	No results	Full match	32298243.89	27022898.05	58713501.77
Com_935_pos	Testosterone	C30 H48	456.359	6.953	457.367	Full match	Not the top h	No results	201714037	230113893.1	60850482.76
Com_973_pos	3,14-dihydro-	C16 H26	280.167	5.695	281.174	Invalid mass	No results	No results	192397586.8	169207406.1	172024377.1
Com_989_pos	AKB48 N-(4-hy	C23 H31	364.211	5.245	365.218	Invalid mass	No results	No results	18898778.43	12116833.69	7752576.419
Com_1006_pos	α -Aspartylph	C13 H16	280.11	5.566	281.117	Invalid mass	No results	No results	184778307.8	188173971.8	248736832.9
Com_1030_pos	01-[4-(tert-t	C17 H26	376.138	5.423	377.146	Invalid mass	No match	No match	30948270.8	33352763	26983792.11
Com_1036_pos	15-Deoxy- Δ 12	C20 H30	300.209	8.12	301.216	Invalid mass	Invalid mass	No match	73420995.7	69447763.13	80584358.97
Com_1038_pos	Oleanolic aci	C30 H48	217.188	7.116	457.366	No results	Invalid mass	No results	30609882.64	203404140	21167124.51

Com_1089_pos	3-hydroxy-2-c	C13 H24	242.152	5.802	243.159	Invalid mass	No results	No results	172443217.3	145120413.1	167559170.8
Com_1105_pos	L-threo-3-Phe	C9 H11 N	181.074	1.437	182.081	Full match	No results	Full match	168306059.2	201920259.7	191003326.3
Com_1151_pos	ethyl 5-methc	C19 H19	309.14	5.248	310.147	Invalid mass	No results	No results	158937652.1	104837082.9	156800449.6
Com_1156_pos	Cholecalcifer	C27 H44	384.334	6.274	385.341	Invalid mass	Invalid mass	No results	103245050.3	98290894.96	81241640.98
Com_1163_pos	6-methyl-4-(n	C15 H17	259.117	1.455	260.124	Invalid mass	No results	No results	157279404.3	92057046.03	108194356
Com_1170_pos	16,16-Dimethy	C22 H36	386.244	6.092	387.252	Invalid mass	No match	No results	53676634.73	204180351	101843219
Com_1201_pos	N-Stearoyl ta	C20 H41	204.151	7.31	205.158	Invalid mass	No results	No results	152900965.5	122434297.6	138483706.4
Com_1206_pos	4-(2,3-dihydr	C12 H14	239.116	5.105	240.123	Invalid mass	No match	No results	152267425.1	33096276.84	133395547.7
Com_1212_pos	(±)-Absciscic	C15 H20	286.117	1.428	287.124	Invalid mass	Invalid mass	No results	134739289	96835651.56	76501485.23
Com_1244_pos	5-allyl-4,6-c	C11 H12	171.068	5.47	172.076	Invalid mass	Invalid mass	No results	5165291.64	6297511.131	6161488.36
Com_1253_pos	Mesalamine	C7 H7 N	153.043	4.975	154.05	Full match	Partial match	Full match	146632113.7	56537836.05	79481323.47
Com_1255_pos	tetranor-12(F	C16 H26	248.177	8.12	249.184	Invalid mass	Invalid mass	No results	40009037.36	45999372.49	63599209.78
Com_1321_pos	Ecgonine meth	C10 H17	199.121	4.955	200.128	Full match	No results	No results	86249584.82	78688650.7	54268681.13
Com_1369_pos	RMH	C17 H30	442.21	5.551	443.217	Full match	No results	No results	7849800.93	10584373.86	3412099.252
Com_1409_pos	Ailanthone	C20 H24	376.152	5.588	377.159	No results	Full match	No results	13237173.51	11933214.74	10365876.05
Com_1411_pos	Androsterone	C19 H30	272.214	6.775	273.22	Invalid mass	Invalid mass	No results	26721463.79	63873112.36	57861174.31
Com_1412_pos	2-[(3S)-1-Ber	C18 H18	294.121	4.927	295.129	Invalid mass	No match	No match	76193336.26	42014012.71	33793450.74
Com_1422_pos	Coenzyme Q2	C19 H26	318.182	6.694	319.189	No results	Full match	No results	71116097.9	86706598.64	79475798.1
Com_1445_pos	IMH	C17 H29	399.201	5.212	400.208	Invalid mass	No results	No results	78344043.31	82701871.4	37157877.62
Com_1453_pos	Muscone	C16 H30	260.214	8.395	261.22	No results	Invalid mass	No results	126853847.7	65726985.31	60754299.92
Com_1485_pos	9-Oxo-10(E),1	C18 H30	294.217	8.231	295.224	Invalid mass	Invalid mass	No results	124436478.2	65502667.11	63250523.72
Com_1502_pos	PLK	C17 H32	339.217	1.329	340.224	Invalid mass	No results	No results	1305696.276	2149789.558	1068100.479
Com_1520_pos	Isorhapontige	C15 H14	258.089	6.081	259.096	Full match	No results	No results	43439018.94	72737080.25	71823809.86
Com_1526_pos	VLK	C17 H34	358.258	5.041	359.265	Full match	No results	No results	37469385.57	23278003.06	13090935.09
Com_1540_pos	3-(2-Hydroxye	C10 H11	161.084	5.348	162.091	No results	Full match	No results	120698922.3	79130610.68	82851052.76
Com_1542_pos	(6E)-7-(2H-1,	C19 H25	315.179	4.935	316.186	Invalid mass	No results	No results	23360109.47	15880450.83	8831893.818
Com_1553_pos	N-[3-(2-methy	C18 H16	304.127	1.416	305.135	Invalid mass	No results	No results	119544712.7	89215392.33	61351116.02
Com_1554_pos	6-Methylnicot	C7 H8 N2	153.09	1.422	154.098	No results	Invalid mass	No match	36952687.44	104209439.6	27806155.12
Com_1556_pos	Dihydromethyl	C15 H16	276.099	6.256	277.106	No results	Full match	No results	43012596.28	71466295.38	70288796.07
Com_1565_pos	Loxoprofen	C15 H18	246.121	5.062	247.129	No results	Invalid mass	No results	21811634.42	23389944.49	11706986.73
Com_1573_pos	L-Adrenaline	C9 H13 N	183.09	5.334	201.123	No results	No results	Full match	118283615.4	59620669.57	41686122.32
Com_1575_pos	4-(pentyloxy)	C12 H18	222.137	4.845	223.144	Full match	No results	No results	118195187.7	61486675.61	100610470
Com_1591_pos	Acetyl-L-carr	C9 H17 N	203.117	1.431	204.124	Full match	No results	Not the top	116902482	55348302.72	125808430.1
Com_1597_pos	D-Raffinose	C18 H32	526.152	1.368	527.159	Invalid mass	Invalid mass	No results	116446360.3	55440242.21	92345936.46
Com_1607_pos	6-Aminonicoti	C6 H7 N3	137.059	1.429	138.066	No results	No results	Full match	115942965.1	79940807.2	84304235.39
Com_1612_pos	5-methyl-3-(2	C14 H16	276.111	5.301	277.118	Full match	No results	No results	115410789.7	123737172.5	83763198.34
Com_1627_pos	6-Methylquinc	C10 H9 N	143.073	5.345	144.081	Full match	Partial match	No results	114817301.2	73912530.72	75548429.62
Com_1628_pos	Mycophenolic	C17 H20	302.111	1.419	303.119	Invalid mass	No results	No results	114789464.4	112595802.6	79169311.61
Com_1664_pos	Prostaglandin	C20 H34	354.24	5.899	355.248	No results	No results	Full match	111513527.3	92900924.34	107800837.3
Com_1680_pos	1,3-Dihydro-1	C13 H15	201.115	5.358	202.123	Full match	No results	No results	110482591.4	47973636.85	18355047.54
Com_1689_pos	(2R)-2-[(2R,5	C11 H20	216.136	5.821	217.143	Full match	No results	Full match	23368898.47	143407608.3	143139647.8
Com_1699_pos	Cortisone	C21 H28	360.2	5.137	343.197	Invalid mass	No results	No results	54538258.33	38488384.68	28735005.97
Com_1712_pos	Strophanthidi	C23 H32	404.218	5.922	405.225	No results	Invalid mass	No results	108357812	3041928.643	65189876.22
Com_1714_pos	(12Z)-9,10,11	C18 H34	352.223	6.371	353.23	Invalid mass	Invalid mass	No results	108317554.8	122442136	84071564.47
Com_1783_pos	3-[(2-phenyl-	C18 H13	287.101	1.419	288.109	Invalid mass	No results	No results	104367434.4	97186534.72	67946054.75
Com_1787_pos	Punicic Acid	C18 H30	278.224	6.692	279.231	No results	No results	Full match	72565095.74	53758762.97	44864755.8
Com_1804_pos	1-hydroxy-2-f	C13 H12	228.09	5.375	229.097	Full match	No results	No results	102859061.4	86769772.8	94406621.37
Com_1814_pos	N6-Me-dA	C11 H15	265.117	1.408	266.124	Full match	No results	No results	101939246.3	68559705.91	45185323.87
Com_1827_pos	SPK	C14 H26	330.192	4.942	331.199	Full match	No results	No results	34395563.54	28299820	17798624.88
Com_1831_pos	5-(6-hydroxy-	C13 H22	248.137	1.416	249.144	Invalid mass	No results	No results	101016393.3	90001485.74	80366631.03
Com_1834_pos	APK	C14 H26	356.206	5.18	357.213	Invalid mass	No results	No results	37773180.81	22635743.17	13502290.29
Com_1842_pos	N-[(4-hydroxy	C18 H29	329.195	5.183	330.202	Invalid mass	No results	No results	66994016.17	42954338.45	17488605.5
Com_1882_pos	5-Methoxyind	C10 H9 N	175.063	5.129	176.07	No results	No results	Full match	14693180.25	11541370.07	42254626.2
Com_1887_pos	VLH	C17 H29	367.222	5.047	368.229	Full match	No results	No results	12723601.8	8045355.481	4602905.142

Com_1891_pos	4'-Methoxyace	C9 H10 C	150.068	6.77	151.075	Full match	Partial match	Full match	73480676.71	127498698	89056540.57
Com_1915_pos	4-Ethylbenzal	C9 H10 C	134.073	8.12	135.08	No results	Full match	No results	33010358.8	39931204.39	52038939.31
Com_1946_pos	allantoate	C4H7N4O4	175.121	2.017	176.128	No results	No results	Full match	95204446.06	52597587.89	84172296.3
Com_1968_pos	1-(4-methylph	C24 H20	322.137	1.407	323.145	Invalid mass	No results	No results	93696039.54	74554261.18	52647287.34
Com_1969_pos	(±)13-HpODE	C18 H32	294.219	8.176	295.226	Invalid mass	No match	No match	71398089	51819901.94	73011875.22
Com_1974_pos	4-(1H-pyrazol	C21 H19	405.125	1.367	406.132	Full match	No results	No results	32387074.52	40761671.97	55118545.94
Com_2032_pos	4-Methyl-6,7-	C10 H8 C	192.042	1.431	193.05	No results	Full match	No results	90928890.51	85692208.59	70953914.05
Com_2033_pos	Phosphocholir	C5 H14 N	183.066	6.16	184.073	No results	Full match	No results	90864965.78	112407242.2	79236162.76
Com_2037_pos	N',N''-di[1C	H16	402.131	5.621	385.127	Invalid mass	No results	No results	32915958.94	42878042.5	21210110.43
Com_2050_pos	1,7-bis(4-hyc	C19 H22	298.152	5.193	299.159	Invalid mass	No results	No results	90416206.2	68421922.59	71672302.25
Com_2058_pos	Leu-Pro	C11 H20	228.148	1.434	229.155	No results	No results	Full match	42956079.16	42492710.27	21130738.27
Com_2094_pos	2-(3,5-dimeth	C13 H14	123.05	5.316	247.107	Invalid mass	No results	No results	71848278.55	65128815.79	68340997.42
Com_2106_pos	4-methoxy-6-(	C11 H12	192.078	5.703	193.085	Full match	Partial match	No results	43152251.01	48340267.95	41357774.38
Com_2120_pos	3-phenyl-2-(3	C14 H12	256.07	1.421	257.077	Invalid mass	No results	No results	47179110.32	71819828	31724858.77
Com_2184_pos	Thromboxane	C20 H36	394.233	6.083	395.241	Invalid mass	Invalid mass	No results	76790868.68	67977808.97	92738685.54
Com_2188_pos	ACar 18:1	C25 H48	425.35	7.59	426.357	No results	Invalid mass	No results	47946343.58	8148108.877	51892434.4
Com_2227_pos	Methyl linole	C19 H34	294.256	9.144	295.263	No results	Full match	No results	81679231.06	24426094.87	14670097.35
Com_2245_pos	6-(4-phenylpi	C16 H24	276.184	4.643	277.191	Full match	No results	No results	8496046.667	105475463.4	8104311.334
Com_2265_pos	Pregnanetriol	C21 H36	358.25	6.323	359.258	No results	Invalid mass	No results	25875567.33	63876606.6	110399839
Com_2278_pos	WKK	C23 H36	230.138	4.831	231.145	Invalid mass	No results	No results	79699620.78	59627613	57347438.6
Com_2302_pos	Desoxycortone	C21 H30	330.219	6.463	331.226	Full match	Not the top h	Full match	32893968.83	73452642.48	50054543.64
Com_2304_pos	4-oxo-4-(1- π	C12 H13	236.115	5.057	237.123	Invalid mass	No results	No results	14365651.82	14303090.14	6802108.566
Com_2445_pos	4-(3,4-dimeth	C12 H15	251.127	5.027	252.135	Invalid mass	No results	No results	73089263.31	65199442.46	66652861.57
Com_2497_pos	N-Acetyl-L-ty	C11 H13	223.084	4.998	224.092	Full match	Not the top h	Full match	71166460.41	77910949.84	26718429.66
Com_2501_pos	8-(1,2-dihydr	C15 H16	298.084	5.609	299.091	Invalid mass	No results	No results	70378521.29	92641271.94	88203071.27
Com_2532_pos	LLK	C18 H36	372.274	5.21	373.281	Full match	No results	No results	33489762.26	16710606.22	7894526.733
Com_2561_pos	JNJ-1661010	C19 H19	365.133	1.394	366.141	No results	No results	Full match	59755724.57	49284111.93	45723198.44
Com_2563_pos	Levalbuterol	C13 H21	261.133	1.288	262.14	Invalid mass	No results	No results	26163632.35	19949044.67	12098438.01
Com_2567_pos	Jasmone	C11 H16	164.12	6.284	165.127	Full match	No results	No results	56525165.29	90050537.77	55965870.57
Com_2598_pos	1,2-dihydroxy	C19 H34	308.235	7.976	309.242	Invalid mass	Invalid mass	No results	67599855.61	41584457.04	29675851.7
Com_2610_pos	2-[[4,5-dime	C17 H18	330.121	5.391	331.129	Full match	No results	No results	67147435.32	50649065.09	60744881.02
Com_2611_pos	NPK	C15 H27	339.19	4.845	340.198	Invalid mass	No results	No results	50424487.02	35971661.28	10652990.63
Com_2613_pos	4,6-dimethyl-	C20 H17	315.143	1.42	316.151	Invalid mass	No results	No results	67076576.99	57109636.8	39718901.58
Com_2633_pos	17 α -Hydroxy π	C21 H30	330.215	5.138	331.222	Invalid mass	No results	No results	49192209.34	75129361.71	37407582.51
Com_2667_pos	6 β -Naltrexol	C20 H25	343.174	4.923	344.181	Invalid mass	Invalid mass	No results	17619747.99	7172441.953	5839182.469
Com_2674_pos	Acetylcarniti	C9 H17 N	203.116	5.115	204.123	No results	No results	Full match	41772232.98	61679411.57	37901495
Com_2707_pos	4-oxo-5-pheny	C11 H12	174.068	5.482	175.076	Invalid mass	No results	No results	7805727.388	11742160.7	8182545.665
Com_2729_pos	jwh-018-d11	C24 H12	352.24	8.16	353.248	Invalid mass	No results	No results	1175339.699	53990148.63	20267850.42
Com_2742_pos	LPC 15:1	C23 H46	479.303	6.655	480.312	No results	Full match	Full match	30885300.32	62941250.18	54013320.01
Com_2768_pos	2-(3,4-dihydr	C8 H9 N	167.058	5.085	168.066	Full match	No results	No results	62053854.52	55775359.37	72529818.73
Com_2789_pos	2,4-dihydroxy	C19 H36	350.246	7.824	351.253	Invalid mass	No match	No match	16604649.38	17987348.5	58261448.98
Com_2798_pos	Testosterone	C19 H28	288.208	6.749	289.216	No results	Full match	Full match	26076426.59	32242343.64	61696951.84
Com_2803_pos	1-Methylxanth	C6 H6 N4	166.049	4.88	167.056	Full match	No results	Full match	1825529.97	2096463.583	2347722.15
Com_2804_pos	1-(3-ethyl-2,	C13 H18	238.12	5.797	239.128	Full match	No results	No results	61167615.86	47800915.15	61173998.96
Com_2830_pos	ACar 18:2	C25 H46	423.334	7.229	424.341	No results	Invalid mass	No results	21913651.91	22719894.89	21321078.33
Com_2833_pos	Isoquinoline	C9 H7 N	129.058	5.881	130.065	Full match	No results	No results	23571979.08	55679909.4	49117102.21
Com_2877_pos	1-(2-chloroph	C16 H15	344.072	1.506	345.079	Invalid mass	No results	No results	13681152.71	77363182.27	29206534.82
Com_2912_pos	3-pentadecyl-	C22 H38	362.293	6.26	363.3	Full match	No results	No results	11659266.55	70319861.94	42281712.6
Com_2966_pos	2-[(3S)-1-(2-	C18 H17	312.111	5.384	313.118	Full match	No results	No results	57096329.34	42661665.95	53091781.7
Com_2970_pos	ACar 16:1	C23 H44	397.319	7.056	398.326	No results	Invalid mass	No results	6308635.744	14415785.08	8955016.21
Com_3013_pos	6-(3-hydroxyt	C11 H16	210.089	5.738	211.096	Invalid mass	No match	No results	21620907.77	21775620.23	16952954.01
Com_3032_pos	Veratramine	C27 H39	409.294	5.898	410.301	Invalid mass	No results	No results	55750368.51	58415302.9	39537912.24
Com_3035_pos	NKK	C16 H32	370.233	5.864	371.241	Invalid mass	No results	No results	23482998.32	11880496.01	55882080.45
Com_3052_pos	4-(allyloxy)-	C12 H11	201.079	5.27	202.086	Full match	No results	No results	17841223.62	34643166.01	29469989.81

Com_3075_pos	11-Deoxy pros	C20 H36	322.25	6.415	323.257	Invalid mass	Invalid mass	No results	40795277.33	71816460.08	39287963.98
Com_3102_pos	PC (2:0/13:1)	C23 H44	511.29	5.961	512.3	No results	Invalid mass	No results	54237011.4	4826072.095	3747078.956
Com_3111_pos	SPH	C14 H21	321.143	1.417	322.15	Invalid mass	No results	No results	54016127.75	37876235.41	37580503.03
Com_3131_pos	GLK	C14 H28	316.212	1.418	317.219	Full match	No results	No results	22362962.37	18866905.57	12256351.24
Com_3168_pos	Docosahexaenc	C24 H37	371.282	9.158	372.29	Full match	No results	No results	52927202.92	26411102.19	22524535.96
Com_3174_pos	Hecogenin	C27 H42	430.306	6.648	431.314	No results	Full match	No results	14263958.83	15936600.53	9637922.411
Com_3204_pos	2-(2-hydroxy-	C11 H21	231.147	5.531	232.154	Full match	No results	Full match	52270392.53	50244563.92	52796677.06
Com_3215_pos	Lagochilin	C20 H36	356.262	9.149	357.269	No results	Invalid mass	No results	941556.2114	67701689.81	9605895.146
Com_3246_pos	(1E)-5-hydrox	C19 H20	302.126	5.803	303.133	Invalid mass	No results	No results	29277151.84	20106692.55	24350968.65
Com_3262_pos	3-(4-hydroxy-	C10 H12	178.063	5.368	179.07	Invalid mass	No match	No match	34676767.43	49483626.51	47668707.71
Com_3277_pos	IRH	C18 H32	446.243	7.31	447.251	Invalid mass	No results	No results	3336658.956	16453441.75	4386442.481
Com_3297_pos	3-(4-fluoroph	C13 H16	269.09	1.423	270.097	Full match	No results	No results	50360409.37	39626081.65	30528855.42
Com_3299_pos	Citrinin	C13 H14	250.084	5.485	251.091	No results	Full match	No results	21224876.36	21882250.39	19668361.72
Com_3306_pos	Methyl cinnan	C10 H10	162.068	5.411	163.075	No results	Full match	No results	29570037.86	29639181.91	77448222.52
Com_3309_pos	TLK	C16 H32	360.237	4.771	361.245	Full match	No results	No results	10551831.24	12681709.63	4012131.887
Com_3310_pos	2-[[3-(2,3,4,	C19 H26	286.193	6.797	287.2	Full match	Partial match	Full match	15342822.98	21059567.14	21909778.07
Com_3312_pos	L-Hydroxyprol	C5 H9 N	131.059	1.418	132.066	No results	No results	Full match	38902455.6	45367900.76	34184411.34
Com_3343_pos	L-Histidinol	C6 H11 N	141.09	2.616	142.098	No results	No results	Full match	49602714.35	34243653.15	28426720.42
Com_3364_pos	α -Estradiol	C18 H24	272.174	5.259	273.181	Invalid mass	No results	No results	49156542.83	40343835.03	39251923.09
Com_3370_pos	Nicotinamide	C6 H6 N2	138.042	1.432	294.118	No results	No results	Full match	16353133.31	28581247.88	10299869.95
Com_3417_pos	Diosgenin	C27 H42	396.302	6.888	397.31	No results	Invalid mass	No results	10904592.36	31997317.2	13351965.48
Com_3448_pos	Cyclohexyl fe	C26 H29	395.303	6.764	396.31	Invalid mass	Invalid mass	No results	10289352.29	21904826.46	12930771.29
Com_3478_pos	1,7-Diphenyl	C19 H20	247.121	5.642	248.128	No results	Invalid mass	No results	32093568.82	7160242.688	19032594.77
Com_3501_pos	Avocadyne 1-a	C19 H34	348.228	7.651	349.235	Invalid mass	Invalid mass	No results	46976172.49	33075809.97	17060900
Com_3512_pos	Mupirocin	C26 H44	522.28	6.691	523.287	Invalid mass	No results	No results	1988974.881	3291381.03	2886994.251
Com_3545_pos	Lysope 14:0	C19 H40	425.255	7.147	426.264	No results	No results	Full match	18255129.82	8004067.511	71497447.97
Com_3579_pos	5-Fluoro-2-[(	C19 H20	309.169	4.963	310.176	Invalid mass	No results	No results	45628950.63	35251500.07	26832696.68
Com_3621_pos	5-phenyl-2,3-	C15 H12	258.075	5.36	259.083	Invalid mass	No results	No results	22743543.86	40345187.88	59242808
Com_3633_pos	4-methyl-5-ox	C11 H16	212.105	5.546	213.112	Full match	No results	No results	42403470.36	51157330.2	55143116.78
Com_3637_pos	Prostaglandir	C20 H30	332.198	6.853	333.205	Invalid mass	Unused	No results	44654200.56	44968239.6	33000541.7
Com_3718_pos	N-(1-benzyl-4	C22 H24	360.19	5.003	361.197	Invalid mass	No results	No results	17040706.42	9985654.35	8467782.845
Com_3722_pos	methyl 2-[(2-	C9 H13 N	199.084	4.978	200.092	Full match	No results	No results	37795360.24	56537532.82	44365089.52
Com_3723_pos	LNH	C16 H26	382.197	5.798	383.205	Full match	No results	No results	43338344.24	45663169.38	54621634.52
Com_3743_pos	LNK	C16 H31	373.237	8.081	374.244	Invalid mass	No results	No results	33872268.38	51955282.69	39634783.5
Com_3766_pos	7-(2-aminophe	C13 H19	203.127	1.467	204.134	Invalid mass	No results	No results	9635799.071	28889512.53	7327280.094
Com_3775_pos	DL-2-(acetyl	C11 H13	224.116	1.326	225.124	Invalid mass	No results	No results	42702421.6	30824410.57	16919001.69
Com_3782_pos	2-(2'-fluoro[	C22 H18	331.138	1.418	332.145	Full match	Invalid mass	No results	42638352.53	36120693.59	35297566.76
Com_3787_pos	N-(2,3-dihydr	C15 H15	273.1	5.438	274.107	Full match	Partial match	No results	42584579.65	44905511.43	45342031.17
Com_3814_pos	1-morpholino-	C13 H18	282.122	5.067	283.129	Full match	No results	No results	42241826.37	28885376.11	40804620.37
Com_3827_pos	2-Methylbutyr	C12 H23	245.163	5.202	246.17	No results	No results	Full match	7326933.064	11562397.09	4768370.515
Com_3831_pos	Sinapinic aci	C11 H12	206.058	5.879	207.065	No results	Invalid mass	No results	42030839.19	44791822.13	38285395.19
Com_3832_pos	1H-indene-3-c	C10 H9 N	181.049	1.417	182.056	Invalid mass	No results	No results	42013250.59	36868215.24	34192972.76
Com_3842_pos	3-N-Methyl-L-	C7 H13 N	187.096	1.249	188.103	No results	No results	Full match	41891461.55	4342499.941	31676107.47
Com_3870_pos	5,8-dihydroxy	C10 H14	238.084	5.376	239.09	Invalid mass	No results	No results	3956820.322	5320726.43	4754876.403
Com_3872_pos	1-Phenyl-3-me	C10 H10	174.079	5.373	175.086	Full match	No results	No results	5904445.45	6989933.66	3983165.523
Com_3875_pos	Isoproterenol	C11 H17	211.121	1.436	212.128	No results	No results	Full match	10734312.13	13107494.08	7018218.36
Com_3905_pos	o-Veratraldeh	C9 H10 O	166.063	5.236	167.07	No results	Full match	Full match	6359446.663	7315851.284	7046102.894
Com_3911_pos	4-Butylresorc	C10 H14	166.099	8.122	167.106	No results	No results	Full match	13358486.51	16370721.79	22128320.06
Com_3914_pos	SLK	C15 H30	311.185	1.416	312.192	Invalid mass	No results	No results	16520102.59	40933987.72	12620940.72
Com_3948_pos	Boldione	C19 H24	284.177	6.704	285.184	No results	No results	Full match	16532879.24	31458887.06	30880071.13
Com_3954_pos	N6,N6,N6-Trin	C9 H20 N	188.153	1.219	189.16	No results	Full match	No results	17455023.65	23915777.24	16884709.33
Com_3955_pos	RQH	C17 H29	461.213	1.413	462.22	Invalid mass	No results	No results	15710434.2	19221951.33	19521716.04
Com_3957_pos	3-hydroxy-2-[(	C14 H17	275.127	4.978	276.134	Full match	No results	Full match	40377093.87	37670132.21	40774867.32
Com_3961_pos	Fraxinellone	C14 H16	232.11	5.57	233.117	No results	Full match	No results	33577766.42	18222029.02	20123184.15

Com_3989_pos	N1-isopropyl-C16	H17	271.103	4.852	272.11	Full match	No results	No results	9911388.104	3913207.407	3740577.47
Com_4019_pos	1-benzyl-4-(2	C19 H23	362.147	5.48	363.155	Full match	No results	No results	39459814.36	36589361.44	44162854.4
Com_4045_pos	Palmitoylcarr	C23 H45	399.334	7.423	400.342	No results	Full match	Full match	10914899.62	10527801.44	7324180.81
Com_4050_pos	2-Methoxyestr	C19 H24	300.172	6.694	301.179	No results	Full match	Full match	21986688.1	30306948.31	25260997.14
Com_4113_pos	4-phenoxypher	C18 H19	313.128	1.303	314.135	Invalid mass	No results	No results	38333672.99	21095201.48	7444212.411
Com_4123_pos	11-Oxoetiochc	C19 H28	286.193	5.865	287.2	No results	Invalid mass	No match	28035803.46	39352613.26	41926528.39
Com_4138_pos	(1E,4E)-1,5-t	C19 H18	311.148	1.427	312.156	Invalid mass	No results	No results	38118622.78	34225778.23	26090496.23
Com_4168_pos	5-(tert-butyl	C14 H18	284.112	1.396	307.102	Invalid mass	No results	No results	29725941.89	49321435.75	38146714.22
Com_4209_pos	(3R)-8-hydrox	C16 H14	252.079	5.814	253.086	Invalid mass	No results	No results	16375035.65	12311316.74	8113751.29
Com_4226_pos	Dihydroartemi	C15 H24	236.177	8.119	237.184	No results	Full match	No results	12857693.93	13763719.11	17196992.32
Com_4234_pos	PC (14:0e/3:C	C25 H52	509.348	9.908	510.355	No results	Full match	Full match	20197312.8	7179559.6	3487456.966
Com_4281_pos	5,6-dimethyl-	C8 H8 O4	186.051	1.203	187.058	Invalid mass	Invalid mass	No results	27513741.59	30646081.49	40924678.68
Com_4283_pos	1,1-Dimethyl-	C13 H18	250.131	4.89	251.139	No results	Full match	No results	36241571.89	34925518.31	40700282.39
Com_4289_pos	Nicotinic aci	C11 H14	335.041	1.421	336.048	No results	Full match	No results	1363373.208	1341690.622	1209355.047
Com_4292_pos	DLK	C16 H30	374.216	5.023	375.224	Full match	No results	No results	7879078.244	7731669.932	5382623.756
Com_4318_pos	S-Adenosyl-me	C15 H22	398.138	1.28	399.145	No results	Full match	Full match	4262939.94	5450488.587	2433831.42
Com_4333_pos	N-[3-(1-methy	C17 H16	292.128	5.994	293.135	Invalid mass	Invalid mass	No results	322038.8742	320989.6857	297067.5891
Com_4357_pos	Mag (18:1)	C21 H40	356.293	9.425	357.301	No results	No results	Full match	2334497.188	8511418.885	2258192.177
Com_4384_pos	SNK	C13 H25	347.184	5.502	695.375	Invalid mass	No results	No results	20104760.51	19523269.81	2845895.431
Com_4400_pos	5-[(8Z,11Z)-	C21 H32	316.24	6.809	317.247	Full match	Partial match	Full match	20950205.54	37098042.72	30509261.85
Com_4408_pos	(2R,3S,4S,5R	C14 H20	266.115	6.412	267.123	Invalid mass	No results	No results	31729697.25	40235581.36	37272459.72
Com_4415_pos	3-hydroxy-N-(	C18 H27	359.143	1.352	360.151	Invalid mass	Invalid mass	No results	13480921.78	26420766.27	28931365.78
Com_4416_pos	Ergosterol pe	C28 H44	428.329	6.824	429.338	No results	Full match	No results	24928241.29	35349301.97	32425985.64
Com_4423_pos	Prostaglandir	C20 H32	336.227	7.365	337.234	No results	Invalid mass	No results	34888784.87	34280088.04	42186356.97
Com_4438_pos	2-morpholino-	C12 H17	207.126	5.033	208.133	Full match	Partial match	No results	31912019.04	21709674.21	24273833.56
Com_4483_pos	Glu-Val-Phe	C19 H27	393.189	5.525	394.196	No results	Full match	No results	16989429.86	21145781.05	7513211.792
Com_4503_pos	17beta-Trenbc	C18 H22	270.158	5.583	271.165	Invalid mass	Invalid mass	No results	21310203.96	40043968.24	18531320.27
Com_4518_pos	6-Methoxy-2-r	C12 H10	202.063	5.474	203.07	No results	No results	Full match	6812507.809	9864863.157	7361246.057
Com_4565_pos	Hydroxyproges	C27 H40	428.292	8.381	429.299	No results	Full match	No results	33422850.69	28287785.63	15669901.35
Com_4569_pos	5-OxoETE	C20 H30	318.215	5.288	319.222	Invalid mass	No results	No results	20839879.93	15541026.41	15053154.05
Com_4578_pos	RKK	C18 H38	412.297	6.189	413.304	Invalid mass	No results	No results	22964145.08	31463759.13	30855913.16
Com_4638_pos	Asaraldehyde	C10 H12	196.073	5.287	197.08	No results	No results	Full match	22127043.92	11710991.67	20875440.99
Com_4643_pos	2,6-Di-tert-t	C14 H20	220.146	7.311	221.153	No results	Full match	No results	16303491.5	19451534.45	22252673.86
Com_4672_pos	4-acetyl-4-(e	C12 H18	274.103	5.149	275.11	Invalid mass	No results	No results	3102840.664	3533229.219	3538927.478
Com_4755_pos	N,5-diphenyl-	C15 H11	287.062	1.348	288.07	Invalid mass	No results	No results	3047810.477	8153755.996	4359563.21
Com_4775_pos	Pyrrole-2-car	C5 H5 N	111.03	1.249	112.037	No results	Invalid mass	No results	15112602.64	10121758.91	14342017.5
Com_4794_pos	Flavin mononu	C17 H21	456.104	5.39	457.112	No results	Full match	Full match	5022596.102	3250572.107	3352955.612
Com_4810_pos	2-ethyl-2-(3-	C15 H21	247.157	5.134	248.165	Full match	No results	No results	30923861.01	22511903.3	28412332.1
Com_4819_pos	1-[(3,5-dimet	C10 H16	244.088	5.38	245.095	Full match	Partial match	Full match	30830695.6	22749441.29	28680195.25
Com_4883_pos	1,4-dihydroxy	C15 H24	118.099	1.393	275.16	Invalid mass	No results	No results	30282345.41	26314724.75	21267522.11
Com_4943_pos	2-(2-acetyl-3	C10 H10	210.053	5.354	211.06	Full match	No results	Full match	10671483.7	14346524.16	9126057.629
Com_4962_pos	DL-3,4-Dihydr	C8 H10 O	170.058	5.181	171.066	No results	No results	Full match	29685495.25	5865154.644	7948013.852
Com_4971_pos	Ecgonine	C9 H15 N	185.105	5.115	186.112	No results	Full match	No results	15207888.79	26394418.97	15112816.84
Com_5054_pos	2,3-dihydroxy	C17 H34	284.235	8.15	285.242	Invalid mass	No results	No results	7907798.377	37667435.78	4357079.799
Com_5073_pos	1-(4-hydroxyr	C9 H12 O	150.068	10.346	151.075	Invalid mass	No match	No match	15059177.51	10221700.37	11170588.34
Com_5112_pos	(3beta,9xi)-3	C29 H44	518.287	5.993	519.296	Invalid mass	No results	No results	20852260.24	30906406.56	29749846.14
Com_5119_pos	RNH	C16 H27	409.239	4.909	410.247	Invalid mass	No results	No results	3221235.263	7607735.155	4235811.268
Com_5123_pos	Biliverdin	C33 H34	582.247	6.306	583.254	No results	Full match	No results	13965343.48	18190357.09	6355068.399
Com_5134_pos	Stiripentol	C14 H18	216.115	5.729	217.122	Invalid mass	No results	No results	14841888.71	15066763.84	14971842.17
Com_5168_pos	H-Trp-NH2	C11 H13	203.105	5.201	204.113	No results	No results	Full match	13154916.67	10663692.9	12483498.36
Com_5197_pos	1-allyl-4,5-c	C22 H18	342.123	5.456	343.13	Invalid mass	No results	No results	317045.8249	2948655.281	2867725.432
Com_5224_pos	DPK	C15 H26	358.189	5.772	359.196	Invalid mass	No results	No results	27549209.15	19884132.62	20106107.91
Com_5260_pos	MMK	C16 H32	390.175	1.314	391.182	Invalid mass	No results	No results	12484518.77	11517703.99	3401617.319
Com_5270_pos	17alpha-Hydr	C21 H30	330.219	6.352	331.226	Full match	Partial match	Full match	6902724.603	11011209.57	6732510.24

Com_5334_pos	Clareolide	C16 H26	250.193	6.384	251.2	No results	Full match	No results	26766727.21	20209682.48	14805373.99
Com_5400_pos	2-[5-(2-hydroxycyclohexyl)oxy]ethyl acetate	C10 H18	240.078	5.476	241.085	Invalid mass	No results	No results	8742048.648	8063433.139	17108404.82
Com_5423_pos	Sunitinib	C22 H27	199.103	5.36	200.11	Invalid mass	No results	No results	26150600.83	31968694.52	29047325.98
Com_5465_pos	Ala-trp	C14 H17	275.127	5.198	276.134	No results	No results	Full match	15520144.61	12607324.67	8519892.747
Com_5502_pos	3-hydroxy-2-(1-phenylethoxy)propanoic acid	C15 H19	311.127	5.867	312.134	Invalid mass	No results	No results	25537808.02	22284994.59	21392326.42
Com_5512_pos	1-(4-methoxyphenyl)ethanone	C10 H14	164.084	6.959	165.091	Invalid mass	No match	No match	9114381.162	23156735	12953504.61
Com_5547_pos	N-Acetyl-DL-tryptophan	C11 H13	207.091	5.373	437.17	No results	No results	Full match	25191788.1	30954705.1	28060038.31
Com_5549_pos	2-phenyl-4H-pyridin-5(1H)-one	C17 H10	262.066	1.302	263.073	Invalid mass	No results	No results	25174044.58	19493031.42	22978451.9
Com_5557_pos	ALK	C15 H30	352.211	5.147	353.218	Invalid mass	No results	No results	12975507.98	18851649.83	5417581.881
Com_5560_pos	TNK	C14 H27	343.186	4.789	344.193	Invalid mass	No results	No results	25108223.78	8636319.51	3651807.911
Com_5588_pos	6-methyl-7-nicotinamide	C9 H9 N	195.053	5.058	196.061	Full match	No results	No results	24118507.39	28211326.02	21850156.62
Com_5613_pos	Monolaurin	C15 H30	256.204	7.473	257.211	Invalid mass	No results	No results	2451947.568	32291758.82	4341153.859
Com_5684_pos	1-hydroxy-1-(1-phenylethoxy)ethane	C18 H20	338.115	6.358	339.123	Invalid mass	No results	No results	24258077.6	18343926.44	20348443.29
Com_5724_pos	2-(2,6-dimethylphenyl)ethane-1-thiol	C19 H18	324.099	5.498	325.106	Invalid mass	No results	No results	22226819.77	17312259.33	22655895.72
Com_5763_pos	4-Guanidinobutyric acid	C5 H11 N	145.085	1.427	146.092	No results	No results	Full match	23830649.5	21200460.66	20348492.07
Com_5781_pos	YKK	C21 H35	419.253	5.115	420.261	Invalid mass	No results	No results	23701472.89	20949031.89	22852758.47
Com_5805_pos	All-Trans-1,3-bis(sn)-phosphatidylglycerol	C20 H32	288.245	6.044	289.252	No results	No results	Full match	16988142.03	25303216.79	9244589.996
Com_5883_pos	Adipamide	C6 H12 N	144.09	1.276	145.097	No results	No results	Full match	7857016.035	5468774.843	4009387.901
Com_5889_pos	VMK	C16 H32	358.204	5.124	359.212	Invalid mass	No results	No results	4708739.536	2776755.984	2272675.361
Com_5894_pos	(2R)-5-hydroxycyclohexanone	C6 H14	116.067	5.819	117.074	Invalid mass	Invalid mass	No results	12211566.35	8538154.025	6408837.446
Com_5896_pos	2-(3,5-dichlorophenyl)ethane-1-thiol	C11 H10	256.02	1.274	257.028	Invalid mass	No results	No results	10257387.57	19644826.39	25871167.09
Com_5935_pos	LysoPE 18:2	C23 H44	477.286	6.039	478.293	No results	No results	Full match	22879552.89	10647083.39	8246666.57
Com_5992_pos	PC (16:2e/4:C28 H54	C28 H54	547.363	9.956	548.37	No results	Full match	Full match	15879654.71	4219595.279	3761179.364
Com_6025_pos	Midazolam-d4	C18 H9 N	329.102	5.664	330.109	Full match	No results	No results	3607680.143	3861299.642	2835090.027
Com_6047_pos	15(R)-15-Methyl-15-oxo-1,5-dihydro-2H-pyridin-2-one	C21 H32	330.218	5.562	331.225	No results	Invalid mass	No results	22201818.94	20390747.24	14086767.71
Com_6067_pos	GPK	C13 H24	322.164	5.016	323.171	Invalid mass	No results	No results	22080533.51	15402208.26	11497371.22
Com_6178_pos	Octyl hydrogensulfate	C16 H22	278.15	6.717	279.157	Invalid mass	Invalid mass	No results	13466806.07	17488357.68	33226505.03
Com_6183_pos	2-Naphthol	C10 H8 O	144.057	5.565	145.065	No results	No results	Full match	16434871.53	20595444.19	27684457.04
Com_6285_pos	Sphingosine	C18 H37	321.266	7.372	322.274	Invalid mass	No match	No results	17789447.67	27399262.43	10020459.56
Com_6307_pos	Tryptophanol	C11 H14	190.111	5.152	191.118	No results	No results	Full match	13859136.16	10995353.5	17422841.05
Com_6358_pos	VQH	C16 H26	404.18	6.427	405.188	Invalid mass	No results	No results	834128.4489	825466.2833	203182.9831
Com_6490_pos	MLK	C17 H34	373.21	5.231	391.244	Invalid mass	No results	No results	20045076	16612803.53	18822480.23
Com_6658_pos	1-adamantyl-1-ol	C16 H25	269.174	4.917	270.181	Invalid mass	No results	No results	19286766.26	18125900.23	5280630.262
Com_6661_pos	4-Hydroxybenzoic acid	C7 H6 O3	156.04	1.196	157.047	No results	Invalid mass	No results	13986879.56	17639950.94	25642894.26
Com_6871_pos	2-(4-(trifluoromethyl)phenyl)ethane-1-thiol	C9 H9 F3	322.004	1.275	323.012	Invalid mass	No results	No results	1959681.415	1080710.547	947907.6271
Com_6933_pos	(+/-)-CP 47,4C21 H34	C34 H34	334.251	8.341	335.258	No results	Full match	No results	2262798.537	23630210.16	1233372.623
Com_7002_pos	Lipoic acid	C8 H14 O	206.044	1.21	207.051	No results	No results	Full match	6910161.158	6195178.481	6396080.574
Com_7033_pos	2-benzyl-6-hydroxycyclohexanone	C14 H17	231.126	6.493	232.133	Full match	No results	No results	17691812.94	8906090.791	10120293.11
Com_7051_pos	All trans-RetC20 H28	C20 H28	284.214	6.813	285.221	No results	No results	Full match	5808861.268	9694155.488	8065855.823
Com_7066_pos	U-47700-d6	C16 H16	334.153	5.072	335.16	Invalid mass	No results	No results	17583672.28	8068535.943	17157362.65
Com_7132_pos	ACar 12:0	C19 H38	343.271	6.427	344.278	No results	Invalid mass	No results	974959.2738	3223108.959	1120405.04
Com_7187_pos	4-hydroxy-3-(1-phenylethoxy)butan-2-one	C12 H14	206.094	6.52	207.101	Full match	Not the top hit	No results	1217366.023	1262942.306	1218087.745
Com_7189_pos	ACar 14:2	C21 H38	367.271	6.417	368.279	No results	Invalid mass	No results	2239460.21	4129545.287	2237514.936
Com_7200_pos	1-(7-methoxyphenyl)ethane-1-thiol	C17 H18	340.094	5.659	341.101	Invalid mass	No results	No results	11687871.97	9950986.652	17703822.14
Com_7374_pos	bicyclo[2.2.2]nonane	C15 H18	278.101	1.412	279.108	Invalid mass	No results	No results	16330154.33	18122648.81	8997562.173
Com_7438_pos	KKK	C18 H38	384.285	6.103	385.292	Invalid mass	No results	No results	16078382.01	7135466.139	19394008.11
Com_7456_pos	Senkyunolide	C12 H16	192.115	7.243	193.122	No results	Full match	No results	6681041.46	8744312.139	10507773.73
Com_7589_pos	4-[3-(3,4-dichlorophenyl)propyl]phenol	C18 H22	151.074	4.93	152.081	Invalid mass	No results	No results	5918063.932	12144957.56	5875256.698
Com_7633_pos	alpha-Farnesene	C15 H24	204.188	9.894	205.195	No results	No results	Full match	12813570.45	9906836.366	7352595.419
Com_7639_pos	PC (18:3e/2:C28 H52	C28 H52	545.348	9.428	546.357	No results	Full match	No results	5670939.896	7764867.694	12498526.13
Com_7653_pos	3-[4-(tert-butylphenyl)butyl]phenol	C18 H18	310.116	4.702	311.123	Invalid mass	No results	No results	9964642.488	9687997.111	5978763.81
Com_7748_pos	N1-(2-pyridyl)pyrrolidine	C12 H14	452.093	1.385	453.1	Invalid mass	No results	No results	8596672.221	15893459.67	16302401.6
Com_7764_pos	Meperidine-d5	C15 H16	252.187	7.245	253.195	Invalid mass	No results	No results	4364425.84	8699914.186	7476742.937
Com_7808_pos	3-Succinoylpyrrolidine	C9 H9 N	162.035	1.421	163.042	No results	Invalid mass	No results	1895721.224	1727908.995	1574017.884

Com_7832_pos	2-[1-oxophta	C15 H12	338.014	1.278	339.021	Invalid mass	No results	No results	2365216.102	3685403.295	7622478.185
Com_7868_pos	Simvastatin	C25 H38	418.27	6.815	419.278	No results	Full match	No results	4243647.311	6685061.437	6570169.487
Com_7879_pos	3-Acetyl-11-k	C32 H48	512.349	7.286	513.357	No results	Full match	No results	14715444.71	12084565.07	14112270.27
Com_7963_pos	Tyr-Tyr	C18 H20	344.137	4.988	345.145	No results	Full match	No results	3869497.76	3473617.061	1926924.293
Com_7977_pos	LysoPC 12:1	C20 H36	433.224	5.217	456.213	No results	No results	Full match	1659523.971	5409279.236	814363.8613
Com_8136_pos	Gitogenin	C27 H44	432.323	6.566	433.33	No results	Full match	No results	1608351.77	2548036.094	2940268.972
Com_8151_pos	2-(3,4-dihydr	C16 H12	316.058	5.878	317.065	Full match	No results	No results	1534062.155	2354311.04	477129.2491
Com_8166_pos	8-Aminoocanc	C8 H17 N	159.126	5.302	160.133	No results	No results	Full match	3140263.925	1937314.055	1648999.223
Com_8243_pos	8-(2,3-dihydr	C15 H18	316.076	1.289	317.083	Invalid mass	No results	No results	3917537.274	1740464.68	4212945.071
Com_8245_pos	0-Desmethylna	C13 H12	216.079	5.597	217.086	No results	No results	Full match	4292693.279	7327031.491	9612436.978
Com_8306_pos	Cyclohexylsul	C6 H13 N	179.062	1.414	180.07	No results	No results	Full match	826087.2818	895037.3045	1289451.084
Com_8341_pos	4-(2,3-dihydr	C14 H12	279.097	5.038	280.104	Invalid mass	No results	No results	2254844.81	1832704.395	1082029.603
Com_8358_pos	N-(6-methoxyr	C11 H10	234.05	1.223	235.057	Invalid mass	No results	No results	5674493.528	4965961.451	3805492.985
Com_8370_pos	Hypotaurine	C2 H7 N	109.02	1.285	110.027	No results	No results	Full match	3513614.81	633412.3917	550147.0596
Com_8396_pos	Rubescensin	AC20 H28	364.188	6.424	365.195	No results	Full match	No results	3096569.993	2231974.807	2780951.357
Com_8660_pos	FLK	C21 H34	406.258	5.319	407.265	Full match	No results	No results	6639254.922	4844435.121	1892079.596
Com_8671_pos	Amlexanox	C16 H14	298.094	5.638	299.102	No results	Full match	No results	3220775.517	3654809.276	1936511.458
Com_8740_pos	Dibutyl sebac	C18 H34	314.245	7.779	315.252	No results	No results	Full match	12387728.31	8919090.707	7919690.541
Com_8766_pos	7-(2-hydroxyr	C15 H28	257.235	6.387	258.242	Invalid mass	No results	No results	11357414.56	10715844.44	7436172.372
Com_8830_pos	Oxymatrine	C15 H24	264.184	5.416	265.191	No results	Full match	No results	12216834.67	7914663.617	9859847.755
Com_8877_pos	2,6-di[2-chlc	C24 H26	428.144	5.789	429.152	Invalid mass	No results	No results	485636.5069	633575.8885	381693.3801
Com_8941_pos	Dehydroepianc	C19 H28	270.198	5.904	271.205	No results	Invalid mass	No results	9277135.376	9392884.455	12446463.63
Com_8952_pos	4,4'-Bis(3-me	C20 H16	327.107	1.425	328.114	Invalid mass	No results	No results	11955324.86	14117829.12	9711020.595
Com_8955_pos	2-((2-oxo-2-	C10 H16	260.089	1.424	261.096	Invalid mass	No results	No results	11947159.66	12487716.04	15808464.51
Com_8995_pos	6-benzyl-4-ox	C13 H12	266.047	5.692	284.081	Invalid mass	No results	No results	11852745	10499858.34	9751712.898
Com_9102_pos	4-(3-methyl-1	C21 H20	161.088	1.415	162.095	Invalid mass	Invalid mass	No results	11025052.95	8021667.884	11124876.7
Com_9175_pos	1-adamantyl(1	C15 H23	265.153	1.232	266.16	Invalid mass	No results	No results	9979229.797	14998032.06	7025494.904
Com_9218_pos	Ethyl oleate	C20 H38	310.286	6.582	311.294	No results	Full match	Full match	11434385.92	3270119.402	6422123.445
Com_9247_pos	N-(4-butyl-2-	C23 H32	380.254	7.116	381.261	Invalid mass	No results	No results	10235690.14	11577279.21	10108597.77
Com_9258_pos	4,5-diphenyl-	C15 H11	271.069	1.428	254.066	Invalid mass	No results	No results	11346960.61	7848072.623	6362809.354
Com_9332_pos	YLK	C21 H34	422.253	5.05	423.26	Full match	No results	No results	3272375.712	2686929.685	1947217.781
Com_9419_pos	5-(sec-butyl)	C17 H20	268.154	1.235	269.161	Invalid mass	No results	No results	636723.3811	1925354.142	1138167.813
Com_9515_pos	Heptadecanoic	C17 H34	292.24	6.958	293.247	Invalid mass	No match	No results	10823735.83	5915406.129	6596111.031
Com_9533_pos	Linolelaidic	C18 H32	280.24	6.84	281.247	No results	No results	Full match	10783504.45	4576831.777	5428948.99
Com_9721_pos	KNK	C16 H32	388.243	4.842	389.251	Full match	No results	No results	958157.9242	980943.5238	993410.9372
Com_9743_pos	2-hydroxy-6-	C22 H30	304.259	8.403	305.266	Invalid mass	No results	No results	6918992.326	6227245.091	11915417.16
Com_9751_pos	5 α -Tetrahydr	C21 H34	388.214	8.177	389.222	No results	Invalid mass	No results	7397520.014	5001139.219	9479007.45
Com_9804_pos	RMK	C17 H35	415.238	6.8	416.246	Invalid mass	No results	No results	1301704.798	6376718.133	7054936.941
Com_9824_pos	PC (14:1e/2:C	C24 H48	493.315	5.998	494.323	No results	Full match	Full match	10256228.85	5174883.383	6780221.377
Com_10047_pos	AMK	C14 H28	330.178	4.958	331.185	Invalid mass	No results	No results	9877483.35	4726204.674	14375750.76
Com_10096_pos	D-Fructose 6-	C6 H13 C	260.03	1.346	261.037	No results	No results	Full match	8743505.563	4749477.644	1791081.122
Com_10098_pos	Tanshinone	IIC19 H18	294.125	5.596	295.133	No results	Full match	No results	2995320.474	1379086.246	641363.836
Com_10157_pos	ethyl 3-(2-be	C19 H17	337.139	1.423	338.147	Invalid mass	No results	No results	9691283.707	2994250.32	4378435.523
Com_10162_pos	4-(beta-D-Glu	C11 H18	300.082	5.349	301.089	Invalid mass	No results	No results	8267410.183	5552740.828	14937474.56
Com_10206_pos	N'-2-benzylide	C18 H18	294.136	6.06	295.144	Full match	Invalid mass	No results	7234277.273	679795.7706	608696.7208
Com_10259_pos	Estriol	C18 H24	288.172	7.38	289.179	Full match	Invalid mass	Full match	2576182.619	4077349.591	3084714.942
Com_10311_pos	10-Nitrolinol	C18 H31	307.213	5.631	308.221	No results	Invalid mass	No results	9418307.442	9132181.843	6813523.009
Com_10356_pos	2-methyl-6-[[	C19 H15	359.062	1.35	360.07	Invalid mass	No results	No results	9331130.042	6751095.803	1559625.307
Com_10447_pos	VPH	C16 H25	373.176	4.986	374.183	Invalid mass	No results	No results	9187457.68	5615991.694	2215305.204
Com_10459_pos	2,6-Dihydroxy	C5 H4 N4	152.033	4.072	153.041	No results	No results	Full match	9171363.912	6931392.491	4866272.116
Com_10563_pos	ACar 18:0	C25 H50	427.366	7.993	428.374	No results	Invalid mass	No results	4293186.115	4085815.544	3209426.199
Com_10564_pos	Vitamin D3	C27 H44	384.335	5.978	385.342	No results	Invalid mass	No results	5063483.446	5324054.879	2127686.23
Com_10630_pos	carbamazepine	C15 H2 [	123.079	1.41	247.165	Invalid mass	No results	No results	8917622.239	10119368.09	10465959.47
Com_10673_pos	ethyl 4-methy	C11 H12	236.063	1.181	237.07	Full match	No results	No results	5135624.605	3022713.358	4645313.737

Com_10841_posMazindol-d4	C16 H9	[288.099	6.073	289.107	Invalid mass	No results	No results	3165523.748	5719992.38	2045556.778
Com_10853_posfarensyl dipt	C15H25O7	379.302	5.817	380.309	No results	No results	Full match	8586718.954	2112874.739	6496913.902
Com_10916_pos(2,6-dimethylC11	H16	286.128	4.984	287.135	Invalid mass	No results	No results	8504581.712	6947069.918	7574296.549
Com_10920_posPurine	C5 H4 N4	120.044	2.856	121.051	No results	No results	Full match	587136.5315	672020.2117	2476049.963
Com_11048_pos17 α -Ethynyle	C20 H24	296.177	5.839	297.184	No results	Full match	Full match	3542771.096	4131021.848	10155217.1
Com_11066_posCinobufagin	C26 H34	442.234	6.647	443.242	No results	Full match	No results	3349891.248	6493664.578	4485295.323
Com_11090_posGuanidineacet	C3 H7 N3	117.056	1.456	118.063	No results	Invalid mass	No results	4727766.238	4039080.018	2827867.51
Com_11209_posD-Gluconic ac	C6 H12 O	196.058	1.128	197.066	No results	No results	Full match	5105862.063	10572291.56	6745271.864
Com_11230_pos6-Ketoprostag	C20 H34	392.216	6.72	393.223	No results	Invalid mass	No results	5499048.233	6861551.249	9602749.408
Com_11272_posEtiocholanolc	C19 H30	272.214	9.808	273.221	No results	Invalid mass	No results	8031436.899	3661763.457	5663994.452
Com_11333_pos4-morpholino-	C10 H13	269.047	4.809	270.054	Invalid mass	No results	No results	4187282.431	4851598.06	1593263.02
Com_11532_posAzilsartan	C25 H20	438.135	1.405	439.143	Invalid mass	No results	No results	4783928.816	2497687.757	6917921.839
Com_11567_posPLH	C17 H27	182.603	4.841	183.61	Invalid mass	No results	No results	7636774.702	3476697.45	1333009.029
Com_11615_posN ⁺ -[6-(tert-t	C18 H20	322.119	6.802	323.126	Invalid mass	No match	No results	2322754.042	2099914.012	3456749.723
Com_11656_posDutasteride	C27 H30	528.222	5.132	529.229	Full match	No results	No results	5703987.395	9817264.474	6536766.009
Com_11722_posRoburic acid	C30 H48	220.183	6.728	221.19	No results	Invalid mass	No results	7462715.636	3971539.074	2811476.913
Com_11729_posHLK	C18 H32	396.249	5.79	397.257	Full match	No results	No results	6946973.167	6395607.312	7208512.919
Com_11765_pos8,15-Dihete	C20 H32	336.23	5.54	337.237	No results	No results	Full match	7413583.658	6862080.188	7568312.509
Com_11796_pos11(Z),14(Z),1	C20 H34	306.256	8.686	307.263	No results	Full match	Full match	7383326.611	4771726.165	3747910.209
Com_11853_posDl-Glyceralde	C3 H7 O6	169.999	1.211	171.006	No results	No results	Full match	7314538.55	6426533.666	6450040.05
Com_11869_posN-(1-benzothi	C16 H14	304.069	5.22	305.076	Invalid mass	No results	No results	308462.4573	2651072.982	761141.9679
Com_11889_posEMK	C16 H30	388.177	4.903	389.185	Invalid mass	No results	No results	1616380.43	1473917.402	615066.1918
Com_11944_posSMK	C14 H28	364.184	4.822	365.191	Invalid mass	No results	No results	3616222.139	2089594.511	2858596.151
Com_11952_posL-Methionine	C6 H13 N	163.067	4.777	164.074	No results	No results	Full match	3107508.661	9206000.742	3441880.594
Com_12094_posDextrorphan	C17 H23	257.174	4.926	258.181	No results	Invalid mass	No results	2818481.885	3166719.082	2848370.836
Com_12164_posNNK	C14 H26	374.195	5.117	375.202	Invalid mass	No results	No results	6993848.89	5576141.769	6397947.396
Com_12181_posKMH	C17 H30	396.2	4.844	397.208	Invalid mass	No results	No results	6974081.726	7816228.867	5235363.26
Com_12243_pos(2R,3S,4S,5R,	C9 H18 O	205.084	1.427	206.092	Invalid mass	No results	No results	6923467.562	8047051.28	7234078.444
Com_12391_posLysoPC 10:0	C18 H38	411.237	5.404	412.244	No results	No results	Full match	6761979.214	2377459.487	6307307.685
Com_12399_posAlternariol	C14 H10	258.057	1.199	259.064	No results	Invalid mass	No results	730904.5579	1024395.395	881743.2474
Com_12488_pos(5E)-7-methyl	C15 H24	274.157	8.083	275.164	Invalid mass	Invalid mass	No results	6660111.308	5440288.012	2683140.105
Com_12506_posMethylparaber	C8 H8 O3	152.045	1.217	153.052	No results	Invalid mass	No results	4829262.074	6092388.97	8081338.555
Com_12544_posLysopc 18:2	C26 H50	519.332	7.314	520.339	No results	No results	Full match	1060876.417	1369137.383	1122768.372
Com_12830_pos7-(3,4-dihydr	C19 H22	352.131	6.36	353.138	Invalid mass	No results	No results	6314460.61	5265917.78	6109594.597
Com_12837_posTerephthalic	C8 H6 O4	166.027	1.444	167.034	No results	No results	Full match	2756307.993	5544714.414	6286702.435
Com_13074_pos4,6,8-trihydr	C11 H12	262.047	5.555	263.055	Invalid mass	No results	No results	3185192.408	1619795.976	1669134.75
Com_13204_posHMH	C17 H25	445.148	5.749	446.156	Invalid mass	No results	No results	5998113.872	4288852.339	2623850.175
Com_13370_pos(2E)-6-hydrox	C15 H20	270.121	5.52	271.129	Invalid mass	No results	No results	4148840.667	5449948.409	4193436.301
Com_13457_posFisetin	C15 H10	286.051	1.137	287.058	No results	Invalid mass	No results	1717143.464	1606508.146	1562437.842
Com_13698_posGlycoursodeox	C26 H43	449.312	5.759	450.319	No results	No results	Full match	652411.2769	3337334.241	3008838.972
Com_13703_posHQH	C17 H24	420.186	1.309	421.193	Full match	No results	No results	863247.4083	813744.7256	697304.266
Com_13713_posTrimethyllysi	C9 H21 N	189.16	9.81	190.167	No results	No results	Full match	5547492.368	2356099.79	5172288.746
Com_13768_posMagnolol	C18 H18	122.072	5.644	267.133	No results	Invalid mass	No results	2402654.568	2591396.916	1477985.278
Com_13934_posCafestol	C20 H28	316.204	5.64	317.211	No results	Full match	Full match	5368729.107	5448738.941	6328827.33
Com_13967_posNMK	C15 H29	373.185	5.085	374.193	Invalid mass	No results	No results	5334934.369	4878580.755	6348751.431
Com_14105_posTrenbolone ac	C20 H24	312.172	5.623	313.179	No results	No results	Full match	1861276.811	2392913.334	2679473.31
Com_14239_posResibufogenir	C24 H32	384.228	7.264	385.236	No results	Full match	Full match	3200671.076	3675826.499	3170474.134
Com_14246_posENK	C15 H27	389.191	4.748	390.198	Full match	No results	No results	3834647.673	3122505.025	2893620.311
Com_14284_posSalvinorin B	C21 H26	390.165	6.034	391.172	No results	Invalid mass	No results	4606276.44	3944779.693	4663026.054
Com_14330_posChlorogenic AC	C17 H20	368.11	5.574	369.117	No results	No results	Full match	1560077.964	2233198.919	1178559.181
Com_14360_posN1-[2-(4-chlc	C15 H11	258.137	6.663	259.144	Invalid mass	No results	No results	2444983.475	1775529.324	2324232.305
Com_14470_posRNK	C16 H32	416.255	6.806	417.263	Invalid mass	No results	No results	1602574.918	1988275.247	1452025.975
Com_14643_posProstaglandir	C23 H38	408.249	7.627	409.256	No results	Invalid mass	No results	4382468.97	4843712.46	2293379.541
Com_14655_pos(1E)-1,7-bis	(C19 H20	296.14	5.687	297.147	Full match	Partial match	No results	407189.1995	413708.0947	368232.0288

Com_14674_pos4-(tert-butyl)C16	H19	273.132	4.145	274.14	Invalid mass	No results	No results	4776641.354	3117434.866	3258020.177
Com_14721_posN1-(1H-indol)-C15	H18	280.098	4.866	281.106	Invalid mass	No results	No results	4740574.59	3037505.301	4169049.187
Com_14753_pos5-trans prost	C20 H34	376.225	5.866	377.232	No results	Invalid mass	No results	4712639.228	3729124.341	4098340.218
Com_14838_pos5,7-dihydroxy	C15 H10	254.057	6.661	255.064	Full match	Partial match	No results	2503567.126	3997468.304	2068191.888
Com_14855_posOxysophocarp	C15 H22	120.095	7.245	263.179	No results	Invalid mass	No results	1045609.626	2065798.592	2083776.343
Com_15027_posPonicidin/Rut	C20 H26	362.171	5.941	363.179	No results	Full match	No results	4433859.434	5224830.775	4977124.844
Com_15148_posBufalin	C24 H34	386.245	5.842	387.253	No results	Full match	No results	4442844.157	3415329.488	3844467.394
Com_15202_posSulfamethazir	C12 H14	278.079	5.858	279.086	No results	Invalid mass	No results	2896457.173	3804524.389	3523556.78
Com_15347_posNotoptero	C21 H22	354.146	6.35	355.153	No results	Full match	No results	1563161.124	1527273.989	707587.3533
Com_15352_posDehydrotumulc	C31 H48	484.35	6.14	485.357	No results	Invalid mass	No results	1675354.865	2689458.876	1678914.828
Com_15540_pos2-(1,3-benzoc	C16 H14	266.103	1.207	267.111	Invalid mass	No results	No results	2765426.952	3382413.467	5316303.396
Com_15651_posArtemisinin	C15 H22	130.082	5.442	283.153	No results	Invalid mass	No results	3633839.518	3775516.902	6350399.476
Com_15707_posStearoyl Etha	C20 H41	327.313	7.369	328.321	Full match	No results	No results	3199958.842	2709874.386	2621918.371
Com_15842_posN1-phenethyl-	C15 H15	257.088	2.227	258.095	Full match	No results	No results	2943289.747	625925.0319	5022660.647
Com_15979_pos3β-Hydroxy-ε	C21 H34	318.256	8.024	319.264	No results	Full match	No results	2982352.845	2674487.374	3277956.666
Com_16422_pos8,8-dimethyl-	C14 H12	228.078	6.357	229.086	Full match	No results	No results	3668752.188	3557174.802	3793971.187
Com_16694_posβ-Elemonic a	C30 H46	454.344	6.015	455.352	No results	Full match	No results	2543111.768	774787.1796	1832721.925
Com_16841_poscyclohexyl{4-	C21 H26	364.191	10.926	365.198	Invalid mass	No results	No results	929376.3329	294559.167	1861569.152
Com_16990_posPC (14:0e/2:	C24 H50	495.331	5.957	496.338	No results	Full match	Full match	1369435.676	537203.3821	463283.9419
Com_17470_pos5-ethoxy-2-(C	H11	396.036	1.139	397.044	Invalid mass	No results	No results	2192731.768	1205851.463	1348840.243
Com_17662_pos3-(4-hydroxy	C14 H16	260.119	5.105	261.126	Invalid mass	No results	No results	534515.4981	436529.3914	448975.1475
Com_17816_pos17α-ethir	C20 H24	296.177	6.148	297.184	No results	No results	Full match	2134023.253	3849514.401	1848963.357
Com_18135_posN-(9-oxodecyl	C12 H23	251.121	5.503	252.129	Invalid mass	No results	No results	2793047.949	2336547.359	2809449.807
Com_18138_posFMK	C20 H32	446.196	7.098	447.203	Invalid mass	No results	No results	274762.3502	1508447.033	2789541.586
Com_18204_pos2-(14,15-Epo	C23 H38	394.272	7.302	395.28	No results	Full match	Full match	1913023.443	2085167.251	1727758.992
Com_18389_posSalvinorin A	C23 H28	432.179	6.537	433.186	No results	Full match	No results	2360870.004	2705404.348	2788373.129
Com_18434_posErgocalcifer	C28 H44	396.339	10.703	397.346	Full match	No results	Full match	2525136.548	2511101.334	897772.2548
Com_19187_posErgosterol	C28 H44	396.338	7.431	397.346	No results	No results	Full match	234166.0454	654614.3571	360849.1346
Com_19239_pos(11E,15Z)-9,	C18 H32	350.209	7.135	351.216	Invalid mass	No match	No results	2310372.203	1383672.31	2262908.32
Com_19245_posPentadecanoic	C15 H30	242.224	8.394	243.231	No results	No results	Full match	795420.3635	807510.0827	1006428.038
Com_19556_posACar 20:6	C27 H42	443.312	6.699	444.319	No results	Invalid mass	No results	2158226.299	2383904.07	2662332.248
Com_19858_posSodium Dehydr	C24 H33	424.223	6.357	425.23	No results	No results	Full match	1670580.983	2510055.613	1763185.708
Com_19865_pos4-decyl-3-hyc	C16 H26	352.152	5.646	353.16	Invalid mass	No results	No results	611766.5783	504582.3651	599275.31
Com_19898_pos7-α-carbc	C28 H38	454.269	6.999	455.276	Invalid mass	No results	No results	1642381.876	1487989.184	2229269.22
Com_19899_posDulcitol	C6 H14 O	182.079	1.388	183.086	No results	No results	Full match	384291.6289	1029286.753	1091101.352
Com_19946_posThymopentin	C30 H49	679.365	5.126	340.69	No results	No results	Full match	793428.2591	1158392.378	573479.1495
Com_20510_pos5-(benzyloxy)	C13 H13	231.093	5.653	232.101	Invalid mass	No results	No results	644256.1496	1242245.011	529528.9543
Com_20999_posCelastrol	C29 H38	450.277	7.452	451.284	No results	Full match	No results	1608142.816	1124401.503	1088732.458
Com_21268_pos9-Aminoacridi	C13 H10	194.085	5.508	195.092	No results	No results	Full match	1156249.829	1260647.276	978856.5449
Com_22203_pos(+/-)-Equol	C15 H14	242.095	5.768	243.102	No results	No results	Full match	1087271.406	326624.9815	545884.5305
Com_22912_posEstradiol	C18 H24	272.177	5.441	273.185	No results	No results	Full match	552373.3145	572599.476	770329.1072
Com_23231_posVitamin D2	C28 H44	396.34	8.061	397.348	No results	Full match	Full match	50381.09184	183348.1901	162782.7842
Com_34_posMAG (18:3)	C21 H36	352.26	7.247	353.267	No results	No results	Full match	610396772	951369318.2	3167594894
Com_111_posTrehalose	C12 H22	342.116	1.317	343.124	No results	No results	Full match	2162971854	1516568658	1105763353
Com_191_posAla-Ile	C9 H18 N	202.132	4.946	203.139	No results	Full match	Full match	92795731.95	85709537.76	29972512.95
Com_339_posγ-Glutamy	C11 H20	260.137	5.333	261.144	No results	Full match	Full match	177714695.4	114022997	119523882.3
Com_393_posOxaceprol	C7 H11 N	173.069	1.452	174.076	No results	No results	Full match	514745623.4	556341393.3	149384871.1
Com_399_pos(5-L-Glutamyl	C8 H14 N	218.09	1.413	219.098	No results	No results	Full match	536152224.7	519582907.8	314668288.9
Com_512_posTyramine	C8 H11 N	137.084	5.169	138.091	No results	No results	Full match	196687702.7	159024787.5	105592664.2
Com_536_posTraumatic aci	C12 H20	228.136	5.559	229.143	No results	No results	Full match	379620627.9	492017247.2	410257175.5
Com_586_pos5-Hydroxyindc	C8 H7 N	133.053	5.641	134.06	Full match	Not the top h	Full match	105663037.5	31111756.06	161131146.5
Com_608_posN-Acetylvalir	C7 H13 N	159.09	1.415	160.097	No results	No results	Full match	174528714.3	111958518.3	119651287.1
Com_695_pos2-Deoxyuridir	C9 H12 N	228.075	1.42	229.082	No results	No results	Full match	276764909.6	212034436.5	191252370.4
Com_704_pos2-{2-oxo-2-(C10	H16	244.106	1.408	245.113	Full match	No results	No results	274040784.5	289795555.2	194147194.6

Com_735_pos	Boc-beta-cyan	C9 H14 N	214.095	4.892	215.102	No results	No results	Full match	264255291.8	199397407.8	175177896.4
Com_738_pos	L-beta-Imidaz	C6 H8 N2	156.053	1.35	157.061	No results	No results	Full match	198816904.3	343544435.1	169089834.7
Com_754_pos	3-Nitro-L-Tyr	C9 H10 N	226.059	1.416	227.066	No results	No results	Full match	256538608.5	319374812.3	119060692.6
Com_763_pos	3-[4-methyl-1	C15 H24	268.167	5.619	269.175	Full match	No results	No results	253787976.3	227276661.3	309320514.2
Com_800_pos	1-(3-phenylpr	C15 H19	261.133	1.422	262.14	Invalid mass	No results	No results	243031855.1	304693710.8	197404635.1
Com_837_pos	Ala-Gln	C8 H15 N	217.107	1.388	218.114	No results	No results	Full match	77998465.06	104453931.2	63158910.21
Com_913_pos	N-Acetylneur	C11 H19	331.088	1.362	332.095	Invalid mass	Invalid mass	No results	74267273.12	133623270.8	126964730.9
Com_1034_pos	12-Oxo phytoc	C18 H28	292.203	5.902	293.211	Full match	Partial match	No results	180241156.5	159666049.9	181790291
Com_1080_pos	Porphobilinog	C10 H14	226.095	1.462	227.102	No results	No results	Full match	174021907.2	158202783.1	116332721.8
Com_1108_pos	D1-3-Hydroxyr	C5 H11 N	133.074	1.326	134.081	No results	No results	Full match	81504382.77	111148482.9	48768666.55
Com_1192_pos	PB-22 N-(4-Hy	C14 H17	247.117	1.347	248.125	No results	Invalid mass	No results	153489813.9	24227104.75	65682700.78
Com_1234_pos	Phenylglyoxy	C8 H6 O3	150.032	1.413	151.039	No results	No results	Full match	128663743.8	195311031.3	159248184.9
Com_1280_pos	Phenylpropiol	C9 H6 O2	146.037	2.381	147.044	No results	No results	Full match	104087419.3	84409813.18	79740499.12
Com_1338_pos	O-Phospho-L-s	C3 H8 N	185.009	1.281	186.016	No results	No results	Full match	13595868.15	19097794.56	40484686.22
Com_1348_pos	1-(4-Methoxyr	C10 H12	164.084	5.527	165.091	No results	No results	Full match	111870234.4	178311291.4	130096603.3
Com_1380_pos	4-Hydroxyisol	C6 H13 N	147.09	1.342	148.097	No results	Full match	Full match	133797187.4	81643883.09	93574956.65
Com_1528_pos	Methionine su	C5 H11 N	183.057	1.327	184.064	Invalid mass	Invalid mass	No results	121283935.7	62102457.21	45372115.65
Com_1546_pos	Pyridoxamine	C8 H12 N	168.088	1.205	169.095	Invalid mass	No results	No results	27170997.67	20899087.96	35099950.45
Com_1611_pos	N-(5-Aminoper	C7 H16 N	144.126	1.436	145.134	No results	No results	Full match	65502807.14	54287626.6	53681050.86
Com_1728_pos	N1-(3-pyridyl	C16 H20	304.127	1.426	305.134	Invalid mass	No results	No results	107756161.3	87645798.18	53354133.4
Com_1931_pos	Asp-Phe methy	C14 H18	294.121	5.185	277.118	No results	No results	Full match	86782409.32	51212251.87	38171616.31
Com_2150_pos	o-Cresol	C7 H8 O	108.057	8.12	109.065	No results	No results	Full match	37294806.8	40878494.81	59445470.97
Com_2225_pos	Lysopg 18:1	C24 H47	510.296	6.395	511.303	No results	No results	Full match	46623973.34	91396637.54	66581012.03
Com_2226_pos	Glycocholic a	C26 H43	465.309	5.944	466.316	No results	No results	Full match	2499926.137	9021348.364	4757857.489
Com_2297_pos	Epinephrine t	C13 H19	333.106	1.439	334.114	No results	No results	Full match	51697359.65	51934281.68	26502697.05
Com_2413_pos	Feruloyl Putr	C14 H20	264.147	5.48	265.155	No results	No results	Full match	54198678.2	52170665.66	23003302.39
Com_2451_pos	Dimethyl 4-F	C10 H10	210.053	1.401	211.06	No results	No results	Full match	49993475.04	95165391.65	89609564.37
Com_2493_pos	Glu-Thr	C9 H16 N	248.101	1.413	249.108	No results	Full match	No results	66808805.52	56849503.82	39817775.22
Com_2530_pos	all-cis-4,7,1	C22 H34	312.244	6.758	313.251	Invalid mass	Invalid mass	No results	7749421.354	15220004.85	18549814.1
Com_2615_pos	Adenosine 5'-	C10 H14	347.063	1.381	348.07	No results	Full match	Full match	29530735.75	49843909.21	42586406.62
Com_2664_pos	N-Acetyl-L-hi	C8 H11 N	197.08	1.416	198.088	No results	No results	Full match	63051634.31	67332254.17	66329766.29
Com_2751_pos	5-Phenylvaler	C11 H14	178.099	5.635	179.107	No results	No results	Full match	45652166.77	51023313.55	96587440.52
Com_2820_pos	Methyl alpha-	C7 H14 C	194.079	1.428	195.087	No results	No results	Full match	28989697.68	42325323.87	45687382.14
Com_2886_pos	3-Hydroxypicc	C6 H5 N	139.027	3.638	140.034	No results	No results	Full match	10330801.28	11745316.53	17795497.52
Com_2896_pos	N alpha-Acety	C8 H16 N	216.123	1.431	217.13	No results	No results	Full match	46243451.96	55867308.12	44934201.59
Com_2902_pos	acetyl phosph	C2 H5 O5	139.987	1.19	318.938	No results	No results	Full match	37754435.5	39925089.93	57202936.88
Com_3007_pos	tetranor-PGD	C16 H24	293.113	5.723	294.119	Invalid mass	No results	No results	20380060.1	23832344.59	24670915.25
Com_3120_pos	Ergosta-5,7,9	C28 H42	394.323	7.577	395.33	No results	No results	Full match	36181536.58	44713153.96	52429441.09
Com_3186_pos	L-Arabinitol	C5 H12 C	152.069	1.413	305.146	No results	No results	Full match	30446677.49	32992962.79	33534859.2
Com_3275_pos	Asp-Phe	C13 H16	280.106	5.227	281.113	No results	Full match	Full match	37185806.69	61495060.64	71311160.6
Com_3608_pos	Ethyl chrysar	C12 H20	196.146	8.398	197.153	No results	No results	Full match	45051434.09	27202191.58	37738174.64
Com_3615_pos	Lysope 18:1	C23 H46	479.303	6.568	480.31	No results	No results	Full match	30194588.91	58647803.42	1903673.625
Com_3639_pos	H-Gly-Pro-OH	C7 H12 N	172.085	1.672	173.092	No results	No results	Full match	44635276.9	55180132.28	32471693.95
Com_3643_pos	7-Ketocholest	C27 H44	400.333	9.882	401.341	No results	No results	Full match	25923435.61	23222707.48	20210899.81
Com_3691_pos	N-Carbamyl-L-	C6 H10 N	190.059	1.337	191.067	No results	No results	Full match	40243125.6	57085023.67	23861703.41
Com_3825_pos	N4-Acetylcyti	C11 H15	285.096	1.416	286.103	No results	No results	Full match	42104674.63	51486964.95	32840293.8
Com_3988_pos	L-Kynurenine	C10 H12	208.085	1.426	226.119	No results	No results	Full match	39855719.38	33296590.17	24508379.53
Com_4016_pos	5-Methylcytos	C5 H7 N3	125.059	1.414	126.066	No results	No results	Full match	39486357.23	43744417.73	37453576.68
Com_4218_pos	15-OxoEDE	C20 H34	322.25	6.644	323.257	Full match	Invalid mass	No results	37066965.14	24070629.66	40857162.46
Com_4238_pos	L-Alanyl-L-Ly	C9 H19 N	217.143	1.245	218.151	No results	No results	Full match	11489800.86	7374666.949	3835604.252
Com_4364_pos	Dehydrocholic	C24 H34	402.239	6.352	403.246	No results	Full match	Full match	19256112.33	35442073.29	24220912.13
Com_4466_pos	gamma-Glutamy	C14 H18	310.116	4.949	311.124	No results	Full match	No results	22739642.87	17969326.53	25818100.83
Com_4712_pos	Ip7G	C16 H23	365.17	1.431	366.177	No results	No results	Full match	31750054.2	20868575.69	21200557.76
Com_4784_pos	D-Erythrose 4	C4 H9 O7	200.009	1.218	201.016	No results	No results	Full match	31075202.2	24353301.24	30595104.53

Com_5100_pos	Cyclocytidine	C9 H11 N	225.075	1.423	226.083	No results	No results	Full match	28478355.41	30054866.05	23127639.57
Com_5392_pos	L-lysine	C6 H14 N	146.105	5.62	147.113	No results	No results	Full match	23826166.54	32627590.41	31527213.01
Com_5483_pos	Carnosine	C9 H14 N	226.107	1.323	227.114	No results	Full match	Full match	15270661.71	13479592.05	10627594.47
Com_5838_pos	N-Acetylhist	C7 H11 N	153.09	1.614	154.097	No results	No results	Full match	3243409.861	27520080.76	1907593.373
Com_5884_pos	4-Methoxycin	C10 H10	178.063	5.98	179.07	No results	No results	Full match	22836201.77	15448817.32	12765280.77
Com_6188_pos	L-Palmitoylca	C23 H45	399.334	5.894	400.341	No results	No results	Full match	21469135.02	20252391.3	10993659.44
Com_6452_pos	6-Keto-prosta	C20 H34	370.235	6.407	371.242	No results	No results	Full match	20233864.58	18808308.73	15224902.81
Com_6813_pos	Anserine	C10 H16	240.122	1.409	241.129	No results	No results	Full match	18575702.82	14377736.82	13963590.3
Com_7089_pos	N2-Methylguar	C11 H15	297.107	4.792	298.114	No results	Full match	Full match	6253821.201	6428116.181	3456653.748
Com_7178_pos	N-Oleoyl Glyc	C20 H37	339.276	6.187	340.284	No results	No results	Full match	17095608.49	13013138.23	11616087.66
Com_7322_pos	Spiculisporic	C17 H28	328.187	1.422	329.193	No results	No results	Full match	12174723.55	11579387.86	9277462.302
Com_8354_pos	Linoleoyl Eth	C20 H37	323.282	8.376	324.289	Full match	Invalid mass	No results	5142434.962	5938398.835	4321284.362
Com_8410_pos	Pyridoxine 0-	C14 H21	331.127	1.426	314.124	No results	No results	Full match	13172716.92	13570230.41	7200748.432
Com_10477_pos	Oleoyl-L-alf	C21 H40	458.241	5.631	459.249	No results	No results	Full match	1079933.514	923807.3326	798292.2696
Com_10740_pos	11-Ketoetiocl	C19 H28	304.203	7.778	305.211	No results	No results	Full match	8750845.234	6010403.7	5016709.341
Com_10801_pos	2,3-Dinor-TXF	C18 H30	342.203	6.549	343.21	No results	No results	Full match	6545238.701	9376298.398	7679949.691
Com_11149_pos	glutathione c	C20 H32	612.151	1.369	613.158	No results	No results	Full match	4596354.163	10693567.05	3734558.34
Com_11540_pos	alpha-D-Glucc	C17 H30	443.201	1.237	444.208	Invalid mass	No results	No results	7681160.502	6470513.073	5449394.466
Com_11704_pos	2-Arachidonyl	C23 H40	386.282	8.209	387.289	Invalid mass	No results	No results	6028705.049	6342171.805	7383646.231
Com_13064_pos	Andrographoli	C20 H30	372.191	6.877	373.198	No results	Invalid mass	No results	5383408.897	7859568.49	9416398.934
Com_15354_pos	Lysopc 16:2 (	C24 H46	491.299	5.978	492.306	No results	No results	Full match	4293227.91	2454154.261	3348184.601
Com_21955_pos	Lysopa 16:0	C19 H39	410.242	5.46	411.249	No results	No results	Full match	1216606.399	1060323.603	1050057.024

pos_L_C4	pos_L_C5	pos_L_C6	pos_L_HW1	pos_L_HW2	pos_L_HW3	pos_L_HW4	pos_L_HW5	pos_L_HW6	pos_L_HWM1
6046656363	4941784527	4063718643	2752629072	3292817709	4598175470	10602820051	4626982385	8806560368	2658017142
2599591465	2252022477	4173786032	2047224692	2431751741	2622918340	874598313.9	2639526374	3384761335	2139891704
2835603514	3419491868	2454253288	3907503413	4302947866	1123174973	1802097970	2552884567	1865071606	1275516231
1004002945	1105962100	681835585.3	1217052874	3040250032	446898247.1	1451206957	923693569.2	1898291734	411464337.9
2312673833	3438802271	3341792632	2109952125	1886415190	1635402795	932123192.5	3165404376	1340839115	2152128543
1730264431	2727874874	1833409852	3163556682	1612611330	774568851.5	1093183292	2297707845	1083400733	1072259844
2416339942	2585204374	1541533152	2875172021	1850069068	724662720.5	1361825322	2746252104	2074888271	980239020.8
291603475.1	130278583.6	202692427.9	119048359.9	2406135400	91661721.19	590387709.2	58937241.89	75779471.26	55117833.97
758790412.4	829272135.4	422008340.5	1464819823	1816923034	433576686.2	3152562252	940849353.9	1529202144	518368896.7
847402012.3	1645708325	673565908.7	2049975017	1023416458	336148249.3	492699487.8	1026001286	521473225.8	820106209.7
100487016.2	69820146.73	123483584.6	546964315.4	471463492.4	522190002.1	516825817.3	298468412.6	523161316.8	1923250444
850920773.2	1344239188	1379914733	397911112.1	322978300.4	601806399.3	303800035.3	923408367.6	769672808.5	700606996.7
759528883.1	936459296.1	631278551	961908820	1088680692	421803764.3	431264376.3	717779484.1	723794962.1	348747283.4
364284434.7	183184016.4	96179998.07	468191673.8	310342743.8	561251084.8	1302769144	593826393.6	980763323.1	281412397.4
423876188.5	368982614.1	272242595.7	858595638	713636125.2	134647098.8	844406315.9	413916815	539251838.8	146500840.6
725669653.4	783662637.2	494085429.5	821230590.6	547018760.2	255961961.9	599834611.2	707214522.1	572613185.6	236530395.5
213478314.2	391913192.5	185771803.3	276519864.8	421573758	231261931.9	195515286.1	364540936.3	148170874	161484263.7
42860896.11	41178174.42	39392361.45	617277534	753457507.5	774054479	820860025.8	584003150.6	1086521712	497116678.9
427037854.1	749669091.4	499577466.4	721993839.8	714983407.7	188598148.8	229603609.6	588473818	262428887.5	339661744.5
188617501.1	415606066.9	297083451.2	74859389.25	121268889.5	162139466.6	142873275.3	220912417.4	199874988.7	66284328.16
53800167.86	103154226.6	61819148.43	465180299.9	521738374.9	457075917.3	686467006.2	489526874.1	569328362.2	455086443.4
132024522.3	80157957.31	76185302.47	318830824	410492796.5	465644099.4	372873098	364798125.4	375374881.9	346156571.3
173081232.8	138761309.9	171204009.4	81323668.34	74274128.69	77121583.87	71975444.37	75026898.76	111240498.6	78744591.25
236026001.6	98178223.16	193874780.9	52655998.04	289593048.9	34343957.77	588724214.5	29258912.15	236455895.7	93941163.06
301182280	309980737.9	194400507	345139893.1	228965011.5	85114738.32	92311181.14	322138105.5	140296432.5	207326115.6
135122448.1	183731022.5	140008357.4	262377368.9	230613426	305083928.6	340738044.2	299348048.6	226277358	369498293.2
348380439.9	202609759.5	383400356.8	222854054.6	174143953.4	247965979.1	191299883	204417694.2	148886384.3	296066709.5
53274513.66	32273432.78	23345317.65	60518271.35	186870063.6	45902023.19	457782142.6	69822614.12	148081277.7	47548613.88
365644498.1	569816427.5	486845721.1	235858132.6	250624006.8	183644726.3	169048870.8	400746592.9	409346325.1	213887457.1
116612054.1	178742885.2	90832740.86	172596928.1	206429885.6	157777100.4	400029243.3	174004935.5	147046993.7	170392427.2
94503023.71	100147587.4	91469966.65	196735738.6	89773088.69	72525781.58	71354824.84	77082815.18	56634264.42	73668559.74
219141575.7	152484151.8	172960463.7	102160354.1	157444271.1	123097364.8	146327151.4	79467248.54	144246863.8	108506984.2
5535621.432	8086846.273	6537740.366	7624339.997	5046025.996	4232435.535	5215262.128	6356108.33	7217963.474	6312884.389
151100404.2	278429026.9	223845035.5	197626445.1	132714892.8	127261325.2	312984962.3	218699865.9	133208477.4	272169826.9
181222333.8	188471607.5	161394129.9	83185993.76	86629052.04	80756530.84	175708601.2	122146855.1	215132439.1	131193876.8
214035329.1	223391079.4	161322229.8	104905410.9	119756932.4	89216176.15	108419646.5	101354253.2	103011523.9	72284169.1
96880279.38	105257875.8	64252694.77	173658845.9	142853693.9	27988707.83	46039066.67	101801089.5	58643068.65	43549610
49749187.18	53657411.4	31351379.01	61755343.55	61797714.52	42884695.26	214945759.6	62633256.67	80956330.96	64383081.28
28905380.63	25455955.99	35242649.15	91158663.05	97900629.54	196721580.5	37666654.2	92126618.76	182092597.5	93478122.77
80094811.46	175571282.9	95789439.18	32288321.01	47282601.53	187714386.2	44716719.9	244528591.8	166745013.4	26710477.05
56478716.17	102692706.2	66982934.77	13984822.24	21679281.3	30173445.26	20350458.31	36229997.6	14073119.54	10663816.66
73352179.53	75911469.72	57978669.45	1935977.943	2345938.215	2202175.757	2434953.335	2226469.689	2236308.779	1922240.462
36585360.57	16400346.67	51685270.73	5626662.522	30386076.35	22102626.61	5910105.487	7661467.38	14638814.51	20262148.12
48556727.82	43946233.29	65957156.35	23073245.92	21355817.84	27189420.75	29783414.52	25107299.56	42810829.8	25370385.3
77648515.9	46144710.04	45227204.48	94229216.39	80038039.48	57422953.31	133187687.2	68444928.02	144943538.2	70369275.51
30204992.23	25387140.7	43088538.37	94329976.56	67331608.33	67881556.02	27241371.33	39433581.14	65478938.48	62088931.91
17701534.68	12825062.3	26988823.7	8177671.802	3611889.507	2365238.033	5252279.439	6346709.178	6223990.355	133133809.4
4331550.423	2343249.709	3610446.073	92457608.31	7074378.734	5963730.672	10238211.34	4628122.623	4429436.108	28977725.09
34884229.13	22053740.44	18062744.32	20558020.09	51012903	41955065.9	103826304.4	55036841.25	124580940.6	33135362.51
80444694.87	101828187.8	77131855.74	32539475	31857516.54	69462309.63	77789400.68	77395449.31	97303399.04	75814347.55
15239753.18	5513165.911	5782302.926	36184453.29	62360153.85	63112220.85	53306608.24	66629512.18	49281774.85	58528135.06
8124557.587	11757492.49	19489948.51	12324314.53	26306363.1	4893559.18	5762263.943	5711101.433	6322131.632	124849883.9
19279525.14	31301753.65	41313471.89	32201988.41	36153043.18	95590637.66	14113707.73	43492065.66	103658163.8	30840381.78

63593274.88	65532242.2	60372664.14	24899242.73	41258123.18	49552396.24	24182460.48	49787118.87	45766249.49	56983553.06
52574890.35	44044136.56	45343177.42	35789443.69	20014560.22	76351776.5	31323158.27	57364679.74	47612997.82	79997829.8
2616737.76	2491455.176	13736217.08	1331985.345	10493201.3	2730225.103	2120979.405	685608.7665	2176801.341	105624102.7
27153083.9	50846535.32	28132003.29	19029560.58	21449029.16	43849279.67	38898504.1	26249930.48	36229268.66	47221842.58
38585173.75	51952327.68	54297305.09	16551281.46	24413959.58	35234726.93	25127817.7	33391245.39	37806799.87	36917464.82
39792448.35	14220574.99	10574977.61	37213609.5	8530701.61	24201290.03	26981337.97	57754759.96	30533311.24	12532531.5
1420855.899	11606620.08	920742.932	4975394.225	7407932.557	2393371.687	1697837.076	3743541.77	1172913.04	8166069.126
4553195.623	4083207.459	10063884.06	578655.0879	5512613.708	2698011.842	546894.3464	1420072.383	892597.5114	1252134.596
2484827245	2232536012	1308165174	3904409482	5166414975	1658021830	16875532161	3098084076	7605784179	1602820092
2536049160	3891420023	3250136959	2595577775	2318206880	2422509405	1608034802	2291238939	533081926.2	1600131402
701660663.8	2106448169	1574597029	3132773208	2880742402	615817546.9	699050694.6	2263887450	992080983.2	1134029204
1222479691	2418297270	1548750924	2579311624	1553113962	563429633	688333309.1	828151937.2	517789891.7	1065289599
778974483.3	874123211.1	439962844.5	1576840566	1881920680	448673566.4	3160993255	1011601099	1534516415	560842474.7
2154727821	2539339176	1927280105	1445932128	1385452029	1758834177	1916661038	1876433423	2016149712	1996706784
746850614.5	1366305460	967128485.4	1371391827	1038397933	341542803.4	402468476.9	837360770.6	426095185	339879793
1152980103	969225654.2	910996933.1	457525441.2	527800696.5	981503454.2	636972150.3	1543885988	1266904159	360124365.6
752796497.2	925490909.9	625123714.5	948591512.2	1076830335	416988645.8	426192248.9	711376568.8	714498169.1	346558257.1
1215448553	1074920876	946311957.4	326763033.8	323608768.9	205391986.3	1353105705	101592399.9	163236570.6	587113117.4
211496033.2	232367288.5	114832481.2	488131203.7	54365018.96	736224957.6	201176007.5	1507752948	1035806075	67636514.03
660420941.2	1028840034	706695104.1	204870619	244062910.6	202368192.2	216913383.1	141966495.6	352793516.3	217539741.7
80251659.52	154761384.1	132184620	82841588.07	46193805.75	42857130.05	48913244.69	314138060.4	31400115.74	1225644507
347091712.8	498761738.2	249673635.3	788489620.1	480305902.9	34307740.65	81331889.22	265504029.9	38580498.87	70872608.36
757648556.7	705414747.3	377213101	293183769.5	473818305.5	311400525.4	637562358.3	426168704.3	833148433.4	264773434
361081021.7	582228621.7	256084852.3	389757028.8	560857805.1	92226768.31	118723172.4	557928723.6	185845679.9	309971200.6
262804803.9	360226421.3	215711190.8	131742466.8	145136770.5	106031993.3	90325932.58	136951394.1	154720661.7	112876235.1
175747839.5	218251097.9	222955201.9	60747019.81	59535741.4	80289820.32	76921335.56	100686632.9	56188222.62	31128325.33
68863160.06	114864424.2	106476496.5	313735609.7	355342747.6	21813396.52	99568870.48	49458062.26	28236933.54	118942965.6
34082681.54	27359120.48	27496994.21	17698128.78	14446305.42	18291388.45	41988978.93	22124507.14	28280061.26	43605871.43
12761340.91	18874578.63	14028694.98	12013781.29	14041694.87	17079054.68	13214009.38	15420658.05	16198647.87	334719655.4
316101998.4	141182647	86811447.84	60320824.01	77188627.78	161548320.9	127278361.5	62399269.45	72417435.27	50336738.27
288142638.4	204183033.8	156748950.6	206410039.3	183820736.7	166960165.9	145836927.4	431927162.3	323267803.5	88702470.36
134955029.3	285973856.5	91653284.84	57354390.51	54262309.22	45111339.76	48223941.54	108235854.1	62415941.44	8394467.711
237123154.3	177907847.5	159975165.2	81628548.57	102336381.9	107907000.2	108373161.5	88405377.96	102139609.9	106560165.4
7315307.677	14983199.44	6843503.979	231375568.2	29878055.6	3602766.33	75310228.43	10748240.23	9980161.887	16166512.69
44986477.29	45416658.49	42067801.18	72093286.02	154353632.4	96860940.33	103225672.6	272406505.3	134173460.4	79403911.68
247694464.7	76980756.36	129320868.8	88615867.3	52682591.35	37764347.28	39815167.5	52753006.06	58510419.03	166553771.6
56385385.68	82188120.13	55254647.45	185777883.1	107160462.5	16595045.56	35960784.17	35118190.24	27394781.84	49253128.36
67752680.6	42288217.64	51393181.56	65957767	76048755.67	144874026.1	47021616.1	114678043.8	99998265.13	142539821.6
29218014.36	32654730.78	12037190.64	62963826.44	5935338.765	94326060.23	24016532.5	150127633	83007699.82	6994864.06
4123448.93	5654130.634	13246263.15	108798452.7	12142434.15	8329344.544	16899552.5	9606040.947	7271538.909	101449348.8
5407272.535	6419390.389	5176623.997	4237789.87	5714687.286	9114933.638	5230055.405	5375041.555	4241135.28	63564964.33
64581523.49	55060642.15	40459385.79	45006637.37	45204774.6	46360036.12	67544034.57	47088274.29	34372638.74	46185976.17
60233069.47	32851804.33	38925833.96	54339393.3	73162950.94	61364416.44	85717105.98	55947397.15	87974355.57	82047176.89
41814955.18	46311884.1	61624053.05	40697144.76	29494374.31	26427341.44	31081798.06	53606752.42	56889589.78	112098932.5
48457367.76	54140804.42	82701783.79	45832319.14	54812321.06	71243164.56	53599706.11	54266279.98	61181713.56	57502048.74
9650184.736	14548893.35	12249764.08	7890093.877	11003797.76	8356184.417	17822509.02	9718287.16	8817188.333	55663308.55
14787769.97	3247608.765	4410921.778	3350456.727	7015427.282	1937890.224	4779308.586	14702925.41	65978060.87	4035319.829
4765886786	7528007900	5376933907	8313775661	7249582623	1446202319	2222629404	4840544465	2677545518	3096299106
2902048602	2576960580	1849432879	389106498.4	1007220311	622535650.3	153575721	2489324980	1085603378	457402182.1
231663016.2	222312552.5	367712377.1	789868989.6	3859164876	239803509.5	1429472886	89526656.27	230406740.8	629458635.2
1961515490	2359353678	1537707322	3452026122	2032912952	455036348.8	593893674.9	1726637137	1050716005	895314753.6
2164665870	843529309.5	1308916817	315151815.5	944184417.7	1542538423	800065857	445350534.4	1020335541	646573465.8
577671485.1	932914302.6	490491287.9	1204607395	5109656.184	1449205809	2227278667	2877182969	2345612775	1787893424
37722084.29	37054578.77	52406389.28	203294291.8	995824031.7	289979356.2	258646775	228287859.2	2143704312	263337704.2

1049533425	979905037.1	887559324.6	201650287.5	455560403.4	291269599.6	82236288.27	841350252.5	486211916.6	181259444.7
787747734	675590183.9	954651384.8	681156004.2	191989082.1	228112029.4	356027725.5	669578895.7	487435852.4	235581915.9
444816832.5	592813168.7	277984120	834763817.4	448062464	996898212.8	1062439705	1553519222	1277797119	734581787.6
310019609	1055760495	257683516.3	424867239.5	122494720.9	120582363	136254691.4	424602717.9	184450335.9	135394147.8
16333231.09	655197906	620721495.6	20198534.58	73325038.61	10483830.66	27254575.16	5344844.254	8669856.005	17904463.97
1012152251	937225797.3	830646451.6	400133388.1	373400886.9	919293379	552222431	638395245.3	824151594.6	841105847.6
245389327.2	209049263.2	52459970.71	402286751	174397852.8	162382985.6	63955402.03	18671130.1	319996327	441117915.5
98335724.27	39138343.3	99669233.87	62219303.81	180102026.7	142887646.9	399846986.3	718628907	31506277.2	79274407.56
496153035.9	749830149	491790974.2	217630430.5	126429193.2	250360372.4	169526607	245072621.3	243761971	261828930.3
75814877.6	557609369.9	425596775	227612157.5	250695978	399867339.4	368957620.8	715459652.8	493877949.8	241198312.4
38692506.34	148159244	10982470.41	85363122.33	11724549.93	104890687.8	32999744.49	692112656	27017496.99	109416501.9
108014022.7	161033110.5	147455878.7	516286577.2	633726503.8	538562533.8	795730257.3	585321766.6	640990534.6	506947543.2
46977140.57	88016422.04	38576576.29	113763544.9	75972257.76	99834654.77	290873640.9	18942834.3	262852260.6	74384128.48
2260698.255	11858965.16	18459253.69	205703407	533278340.6	341241485	365038241.7	303092743.3	304794527.3	535555947.6
398868413.9	389543100	361674398.5	210494793.8	304975651	327660092.1	260869373.1	322641795.4	325712907.6	355689196.7
95779082.15	189133577.7	177007009.1	486906565.6	152922857.3	244665347.7	521076869.8	200413705.1	311581598.3	631402371.5
234549901	169585919.2	164308009.3	31313821.48	101623403	72975118.31	23206271.43	155608388.7	87189474.6	44043949.81
98039803.8	109398046.7	134146450.4	196850333.8	437174300.1	86811978.35	221638357.1	47988013.71	108381283.4	107927573.3
303461022.1	171959698.6	181719645.4	445917296.4	427452219.3	477199102.2	354473549.5	347591759	227655857.2	295150138.6
403762430.2	406946409.1	390389240.5	145028327.1	190266619.1	395247866.7	122271416.6	434689849.2	188440508.6	167442538.4
302657441.4	172559541.8	177507068.9	422762871.5	414374100	484639361.5	374146167.5	373326976.7	287023735.6	390532136.1
94894911.67	81590331.67	165140423.9	168336756.8	60683564.6	135883736.1	117042537.3	48132571.37	164359288.3	237807212.8
297193728.4	462961216.7	306171719.2	135533767.3	77303134.86	147124198.7	139887175.2	133101864.2	162755862.4	183357527
215381789.1	187027814.7	160847905	124162983.8	199220167.4	126753512.3	234800396	128707037.9	178922436.6	101152561.8
61671854.54	60441733.76	92291075.79	274412445.3	338114557.7	350056242.1	441748340.1	333896252.7	424772523	527414090.5
242191643.9	441942464.4	289874914.4	51777547.28	31832393.18	183504898.5	19657754.44	229066046.5	75835416.2	281857361.6
3211856.575	19732724.29	25094260.48	225321761.4	348477737.6	374203366.5	397810056.3	331034397.5	332566416.5	584914587.2
64925357.59	42827920.95	71379187.28	78512480.08	129316888.6	48598690.32	78211627.61	71267923.59	47851099.56	401045565.3
294951004.4	266243407.9	204080932.7	153213240.2	249647931.5	184016067.4	210628247.8	115398984.1	161151473.7	175622803.3
4159064.996	6545073.184	5646722.221	36653167.88	100232479.8	226722765.3	339243166.3	90390910.7	421743155.9	62591588.08
92984271.97	86562342.63	78070394.8	157684333.4	178911125.1	52729394.79	389079858.5	108234400	240636219.1	58205558.59
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159424297	96632044.37	88985211.81	24320591.45	45006540.54	154399517.8	373500741.4	155239648.4	59359077.42	86812306.69
220352386.5	154468411.2	197705252.5	176890356.1	244895317.5	343705425.6	274729835.2	189870394.6	298785829.7	252474685.1
154382155.7	103369279.3	97748199.57	247387731.3	251835483.8	280260157.6	215171052.5	192200793.8	151615668.3	216380020.3
163822177	225034685.8	204355519.9	32847712.04	40080948.33	153936341.4	26903318.13	118099384.9	157726985.9	52652171.91
50538433.15	79116778.71	57331290.43	115525774.6	239850479.7	42516876.09	79310541.44	57095536.46	44804815.81	61246616.76
20605325.58	35314303.52	41943300.57	95672561.19	239426972.8	21242656.52	72487376.6	10101117.8	12206613.33	51909829.7
175530657.7	97747413.55	166178971.1	252554373.3	226215166	245910489.2	180073269.4	163346711.2	127225288.7	257857634.9
167673355.9	93350420.08	52689268.69	91300424.77	93310322.11	130887570	273873547.2	115990856.6	338934350.7	40735023.9
179500860.1	193624809	157167292.9	135138044	184729498	119859347.4	172958168	231208016.9	156917465.8	168632549.1
269743339.6	272374615.9	222273667.4	116304507.1	150750585	278991909.2	176536422.2	247685581.8	170508535.7	115509283
143208727.5	159598510.7	119017610.1	80851921.23	89553882.91	97238197.88	164956522.8	70906431.76	62134888.94	94922656.31
181903996.6	105853021.1	129095971.8	112553397.7	204147191.2	259264563.5	229668903.7	152518021.3	244013724.5	201960961.4
74233633.16	40072608.7	24798118.65	119026219.6	93100653.38	146508183	119931177.8	182659285.3	125038288.4	123071696.7
182416235.9	188474022.3	140240638	88443844.7	95973314.21	72393596.39	78445824.1	82538916.34	65615145.36	46762394.63
50026074.67	41226742.06	27649868.02	16507374.28	192155518.8	30979177.42	170200418.2	29534752.98	28230824.27	22858411.56
108608318.1	51366745.76	111343964.9	33886768.79	158866458	98403826.62	63225485.32	169124317.7	146222131.4	17593614.7
151617804.9	157872933.6	134064130.5	124843456.8	89613694.35	101073296.6	185556309.4	130544663	161022714	175886473.3
8774025.33	26790911.67	17577758.19	46235586.22	175951430.2	7295325.923	35102364.67	18420861.38	7139113.94	17273072.25
181457986.4	238982529.6	199596392.7	95593610.25	103442684.9	141635454.7	135387747.5	163157407.7	159076325.8	154845696.9
31405884.7	26500620.88	26424058.81	182226544.3	17243628.73	14763165.5	22987267.26	38841214.3	44502971.44	20440306.94
109591115.5	65445830.79	66600441.27	176579589.1	168723219	188845904.3	121032438.9	114377508.1	75869668.7	132233670.3
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135936120.8	136548101	94298832.52	68716962.01	75827016.83	66065971.69	137821683.2	87779741.7	82744944.8	115144404.3
150989747.6	183198150	143563850.9	87841807.45	126439601.4	111638440.3	123622873.5	107708696	128861823.5	105067919.4
113100796.3	149833944	129359078.5	49084512.65	83735607.52	110746582.8	104570466.1	78901670.05	99211335.27	81993360.91
125643723.5	89526218.1	95239622.76	50201043.42	109614894.7	194284959.2	133501540.4	33923659.06	195518156.3	114159313.7
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13959043.91	113213127.2	163151307.2	7207141.168	8806673.445	10008486.02	8987390.775	9617980.146	8828280.524	9423813.092
80128858.74	67682591.66	57283727.81	94277206.81	142055783.6	103780071.2	147216667.5	136272545.4	129410094	119694250.7
6084910.924	6278712.755	4510724.766	3462989.447	3992904.094	5128038.34	6524514.127	6751846.971	5001725.908	53152648.23
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78522149.37	45752536.97	49746185.99	145903529.4	136736876.7	156536667.6	110818561.5	96054053.32	64591421.3	120222362.4
42010432.43	61576243.15	44425235.21	45708966.97	65157786.8	42806213.57	185232408.2	51167276.82	90130138.77	40902038.32
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9194759.75	12898862.49	14460131.7	62730214.71	122188941.1	95656271.25	139013261.8	79466348.89	141333206.6	79103684.73
124192244.9	82122672.33	91336381.02	58345183.37	121994370.5	104792475.9	149566197.2	51965076.4	69228927.76	110952675
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59691977.66	48002116.24	40183029.1	66747419.8	119327574.1	49749915.37	69738863.47	27406809.18	25082378.79	55568367.55
70422213.68	60437610.75	50110842.36	17141375.23	33145834.79	30040292.61	8337831.888	67200603.25	39505368.57	17044481.48
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1902144.268	1000510.031	907907.3055	1123627.147	1321428.262	1483592.589	15291073.47	1209543.976	1829421.11	183858161.8
74661647.1	31202355.24	101814177.7	9905637.783	19527120.41	11903709.83	20946600.49	7753622.244	44221581.06	105252211.7
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65387280.68	58908930.74	51270710.69	42005620.47	60893890.93	62138739.28	51685820.67	100530804.4	41049546.26	61112695.99
70827866.3	30389037.13	29833063.97	47746536.84	112005125.1	77714817.19	114243271.6	80691181	107847540.5	66719251.7
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23378775.14	74142087.75	62881095.2	7660194.511	10433719.27	13376599.08	13153185.09	13893023.85	6922591.052	15349861.23
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53695153.7	74206294.08	73016446.55	65897807.04	42147744.39	82231410.31	48216756.58	114901630.7	59447415.22	52587167.64
71174532.72	81452560.09	56856471.54	54935360.34	77467302.71	43219903.49	66313313.75	71198831.53	57973225.27	41385348.62
104444553.2	86044665.77	75593951.34	55195219.67	52324313.66	61698980	104646822.8	77809209.76	53340764.01	62524578.25
96848151.09	65670001.65	87517601.88	88956012.41	94897141.97	82514326.99	121087077.7	139508982.1	68663372.01	73219175.49
78078579.03	86281122.5	67961945.25	64175882.65	85708713.47	54897887.7	117362123.3	70364035.52	73927037.77	47334030.46
83015861.2	95285328.64	75440541.09	36435675.03	60871615.45	55492251.15	61134824.08	55960501.15	61337382.35	43651507.29
49773586.17	48943010.36	39081123.94	20104951.9	24985367.24	36065431.9	21683181.86	52627692.13	33840190.08	24362757.84
107108955.5	150085188.8	100948734.4	72678607.35	56736176.93	58108408.77	81983878.71	80248275.6	80576602.72	71469008.66
37278598.67	46679486.56	43957796.93	48049313.93	102363418.8	27773222.75	19264260.11	33400003.86	25849878.9	23984163.47
61233062.33	43953793.36	33960183.06	31269993.36	46926971.75	22733955.24	34981620.82	37945960.25	41939473.84	28538796.65
70986738.72	98913581.82	86928166.62	46522078.19	38461296.48	33548290	36705893.43	56313189.19	43871183.22	40330483.3
65353899.01	63412449.83	59266955.03	43503593.68	56068861.85	62912851.91	65865017.6	80977190.03	53513033.15	57429992.31
49428179.68	73639092.76	41489630.21	32858848.33	84106709.76	28322328.37	35303405.47	35017494.26	96735128.83	45386946.26
73396791.75	91039210.45	84036327.74	54819423.54	56035473.77	65051158.6	74577813.4	76373755.93	84073809.67	74781022.13
40357650.65	32168547.49	40664538.61	26222884.1	26045354.89	28569723.1	23271808.19	33244352.52	33410818.21	31508491.74
25352879.42	23599954.64	22821373.9	19763218.92	94874501.33	12238591.51	39872957.12	14072309.85	14739534.81	25167105.78
70453090.68	52989081.77	65377920.7	33020403.09	58211597.97	44048210.42	68855543.36	46779819.35	51974941.83	35264898.42
18555759.29	16950164.53	22017621.4	19699247.53	94396113.9	13533432.59	17031292.9	10020768.85	14776435.1	8890132.331
23871389.76	45627865.36	28427279.24	61562483.51	94091174.99	15041280.22	23716482.77	24051939.9	19921073.17	29373174.5
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9961936.277	12278362.25	8944481.019	28421720.28	91793435.12	5317952.37	17309924.07	7122195.628	11117759.22	11396236.83

63888548.94	33869584.7	124527629.3	36320306.25	34775155.08	72332252.33	35290228.86	51909796.25	59933563.93	87921548.24
57842003.24	45894218.88	44849866.14	90394257.24	89359652.62	96335513.32	79271762.58	81594550.53	54115655.34	71671483.52
5561078.115	83605125.71	86023056.26	2468942.848	3190004.982	3259806.668	3401321.91	3033375.013	3203012.602	2344954.904
54214167.19	50702599.3	40368904.37	30882071.47	48577057.64	55529993.83	42263940.06	72578408.17	35855929.73	49203121.68
63712806.61	131912712.4	38127893.95	25167764.15	36105394.98	34690161.32	37534764.21	79278803.26	48699229.26	36851352.47
48439455.55	83138832.08	46682944.22	18948116.3	10456136.09	114320417.5	11232911.57	160158034.5	63571139.07	24843646.36
67892891.22	70758445.36	62904572.28	36277818.12	55648516.78	48310417.11	48529026.16	52813104.48	44697513.02	49655438.94
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25035240.69	28434394.14	26974114.35	40972705.8	63803045.53	64124279.11	71760374.72	49542017.41	65176328.13	87155441.92
56904122.27	64570940.97	61980669.47	32991165.07	47469299	57321399.75	43762200.18	986038.6273	41264164.04	34350003.11
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29810895.41	28748204.37	26190194.96	30673474	52159314.06	105798803.7	44919020.74	97258166.92	36371059.94	37296052.91
83457277.42	97543127.5	73619000.08	54278114.28	48827243.5	55080769.91	82183585.83	65097276.11	61686328.5	68758414.39
33359410.23	27348770.16	44673930.37	24362309.81	77948678.6	29474008.95	36638648.83	31319569.13	17626993.87	25541818.2
28907320.07	39491977.82	35432444.13	21074814.6	27854061.15	43016909.47	47456997.8	11363094.23	27915844.26	21521995.26
39065529.53	13378795.4	18892212.13	6145437.294	18397476.76	10537262.65	5182097.159	15957783.45	3310797.632	22599647.52
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50547757.7	31600312.04	43122027.51	22735770.71	40658695.2	42690134.67	77962466.71	34708469.82	39079613.83	29001992.54
74566057.58	38441570.56	43351308.89	49765931.18	31149127.35	70823086.67	35862195.88	64110903.2	55864344.78	104058390
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38220240.95	20441267.84	18037483.67	29658062.65	36118443.19	40985381.3	57736091.18	35571619.84	31140864.18	33321360.03
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12561869.69	10986624.38	6376982.506	17776659.93	33554279.44	11418048.83	91550971.81	20150104.17	31706766.59	8276884.613
86120646.92	61837910.66	54749516.42	49121630.7	45937735.91	62459770.85	81433936.26	75031051.55	84228348.07	60707773.2
39953591.93	31075151.91	28238267.62	6131123.743	15577277.9	11197432.49	4715703.068	23465523.43	13589328.67	8158553.183
46428043.66	4300336.609	47672361.24	27075431.38	35469300.21	47240253.72	13935796.33	51148530.54	42556504.52	35289849.83
17343476.42	21969353.63	25087142.2	16438557.37	62929145.54	15742140.45	27063061.29	11236291.52	15023085.49	29237247.38
44995266.46	37191838.52	34052390.99	20797214.29	52521385.62	27061148.74	64375177.83	26565313.19	43647749.76	22697013.16
83220016.12	36693077.56	28669737.89	48905039.5	51507389.77	61217765.4	75576125.05	61517772.67	61673191.26	72073217.5
1285863.455	9605002.855	7405574.089	42248454.79	61402297.19	3609773.857	12522302.21	6629857.715	4685024.838	9736862.074
37123622.66	27614592.13	33961291.39	31671345.66	61185839.15	34316708.08	18394503.99	40927907.29	37913804.73	18058952.86
10889293.36	6809002.161	12019509.38	16277126.78	18972445.56	72503297.15	32632577.68	35120652.94	37983217.57	51278430.05
69400973	29465163.82	89584204.21	42768208.74	31880617.67	15742362.29	9964936.321	15560963.93	6273179.312	94480916.97
45737217.49	57598517.96	44025673.01	22275198.77	8873192.602	27084887.38	24038454.26	15611398.36	38109425.38	9908470.152
58939192.03	56217518.16	51628858.54	32876513.69	18680501.62	34941994.3	31395433.87	51252751.63	37531920.19	33808798.45
46826721.3	47525338.61	45692660.9	52592786.86	35145941.32	30416211.43	37198047.01	57747375.31	44427748.03	29633454.58
68762985.15	54120542.85	58512937.59	60728778.8	50237373.13	54545426.87	53302638.17	46014691.18	45506168.02	73913309.6
753935.0601	1674031.173	2865180.898	18869454.54	31501980.94	43583620.27	62268244.51	34264050.26	42932329.04	41793746.65
45979716.42	49384710.88	47722305.87	37745492.21	31420059.51	32418762.24	44953951.1	37770849.79	51703713.61	38870658.8
15477172	35683315.43	31581636.98	54881707.83	56910145.88	27027061.72	17834915.98	60336879.14	14772247.14	68786465.88
45941527.48	48545808.71	48317409.89	20684967.81	17093588.37	23880761.66	80383713.14	34957145.86	21109238.98	18675854.22
12872532.73	22950391.66	39714671.98	8691200.456	7595521.143	9021111.073	7221399.067	11196165.45	8061407.204	12470960
9655836.086	7227959.096	9683057.481	25218255.51	38341073.38	71661349.74	11422455.93	7751726.609	60626749.66	44564483.56
43129549.95	42641581.08	39893945.27	26162117.01	28674062.33	40270049.59	8440879.456	39865019.27	29538958.03	29704861.2
4807477.1	12792460.4	14361035.28	26861625.17	53437353.2	13950666.55	8544627.59	19259875.04	8520487.726	25505862.97
23115355.78	18021387.3	16219619.48	41295985.34	39219978.93	68710613.16	64792344.56	43462359.81	46663152.82	39033846.53
56863407.75	52233472.36	31395301.38	32901726.69	47555244.72	41858268.18	33168437.12	40363252.5	39637497.73	29970608.03
49570113.89	64779219.92	30969334.55	25234711.67	43513236	38337361.49	50855304.15	42925681.37	38983877.34	40835899.1
27486015.61	52158981.55	27680442.28	18677700.25	20650217.4	43117728.1	38961144.31	26449222.45	31930239.5	46308790.42

34926979.44	29356853.67	24087292.13	30878347.01	25923320.38	31734613.12	38531121.64	41683119.8	37655723.95	29677700.04
7579841.728	70175345.36	2617420.655	17975577.97	2633506.846	2029307.965	25235315.39	1123386.411	26647499.87	1333230.018
25708505.22	37804843.22	30953604.83	21962065.21	15936869.16	22351372	32018291.97	26594852.41	26305929.49	19217087.87
15447211.75	13144046.04	15333865.42	9479924.277	50317313.35	11736310.21	12618071.7	9688956.97	12254281.02	8783957.531
12687060.18	25095554.26	18857138.75	4772653.297	6208201.004	11275126.75	6578260.982	10374218.88	7551985.222	5034714.92
20811407.14	12174993.47	8898462.211	18031494	49489285.29	30534775.76	12615981.56	26180739.22	25867054.25	65028909.46
51971265.86	63408154.52	35425638.45	36065365.87	26131287.48	27949576.24	36943290.21	32630850.69	30434115.4	47571321.29
25116941.89	3565646.669	26754142.55	8979622.164	1598695.583	666183.9287	774556.0041	649322.9382	502911.1319	16874174.94
22537704.45	18937298.95	18886003.31	29355788.75	28851674.91	32645957.06	49643442.07	28278710.28	43194417.22	27760802.19
60697871.12	61609714.68	45482423.77	15615456.41	38899161.39	51359939.28	67689054.51	44612350.96	27885444.4	27009888.6
16510993.52	12290413.53	13972694.79	46991168.63	11694770.2	22357214.17	1553031.255	4535343.475	2448030.586	22358082.05
35609751.62	27052576.6	26649104.95	16451014.69	18064080.5	18801818.26	21121102.41	44275894.48	23562439.33	24843807.05
18691097.44	14445882.3	15574361.3	46975295.89	35847463.64	53544254.45	61087139.21	55682983.88	56848491.91	57876928.88
33755126.76	48747757.8	30048825.35	24690262.92	27072181.38	35656728.09	32651962.17	40786791.16	27996252.22	27545905.98
5800672.456	6838511.015	9484646.799	21537675.07	47052285.52	5347114.383	26751733.86	2476775.106	4416952.175	17652945.6
38597897.34	19654272.84	25498112.98	32811766.57	29694549.05	39036237.08	54416718.19	37985716.15	42427270.02	52866332.73
41821770.83	26115961.81	24623908.65	41213403.39	25475372.18	45412195.57	66471218.84	27715685	37406696.36	46342570.42
31266470.56	22621640.54	19360161.27	10958575.57	13974663.42	11925988.04	13226189.14	12322685.74	11596974.15	11057472.29
37861118.44	34007193.2	32395933.61	18465444.65	18676382.92	27373077.83	28949837.97	25054655.23	27201444.46	28309213.92
13765437.91	8388841.397	9972339.738	49509545.29	24599679.3	22416254.81	10821503.01	21283416.02	18302945.48	18036453.81
14440414.2	11539634.66	12008552.38	21987768.14	31713029.35	42960765.49	11350737.45	14122752.09	18922249.75	15432216.85
11551066.04	21005775.08	22236380.73	26147039.86	44924978.75	13534087.44	8311184.243	10311218.15	8904911.588	25161295.07
17982606.48	3345765.259	14075575.74	4502892.354	44441103.76	15593087.15	56695256.97	64293535.34	41290361.21	5643994.092
18458775.25	16172778.9	27080439.98	6553951.262	11420699.36	9934924.854	10401388.44	7677509.113	7672633.571	7519216.87
3494242.583	4608244.812	2989399.824	5369652.341	5500294	14840194.72	8526237.879	5780535.89	11595025.14	6460582.914
6299462.876	52977731.49	17885697.99	1501282.098	38513037.05	15967684.87	1338504.424	26329718.65	46178202.27	14146818.46
7520022.205	26407651.22	30622267.91	19588124.28	23877544.47	19497432.4	30358769.46	22164386.17	19758140.65	19471389.53
48834406.14	7316057.466	57956981.76	6769121.888	17036207.25	36057131.65	35831415.32	42582816.1	25113530.32	50336406.16
55967262.53	22860781.57	38323232.41	26399094.94	22778303.67	36738121.73	28525181.87	18254678.63	35008330.06	44895383.33
39926989.12	28539612.95	34185028.52	22537859.66	28023480.86	22405841.24	19630431.41	35281841.92	28102678.4	17936072.06
4625690.241	9476743.408	12403800.54	13549831.29	40641520.45	9762855.138	8621659.396	7714432.426	6227266.399	8096308.726
11138166.23	38690900.94	35591806.72	19324870.09	28547424.15	28604952.65	41800867.12	32548952.28	19586887.84	27796733.16
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53993256.94	18257238.16	41562620.11	30983596.45	38916667.08	25188533.71	23926498.03	13040334.78	23371714.47	42792352.97
47244723.04	9687911.675	8091639.705	14855819.2	24959706.81	52407401.73	19118119.55	5048126.999	32551068.45	31056188.13
18121492.6	14085700.16	16408449.79	23069401.21	25861952.67	15071113.9	54154597.08	17976458.71	27175912.53	9642650.785
39067043.1	27131078.22	22486589	17415658.89	26892883.02	21280225.21	28202120.2	20871627.03	23324404.53	17174616.51
32928417.19	36658108.41	27505411.76	15172571.65	19586423.01	19303226.4	25457305.07	23923639.44	15722145.03	24751308.32
25067155.98	26043306.91	29335874.53	12344781.04	25110162.27	17078473.96	17852422.45	15909313.75	16994937.1	19826500.57
6108065.005	15041779.44	11760826.77	19760700.24	39451787.39	7927527.039	19779964.05	7896415.616	5096370.933	19433000.92
28676269.62	13495284.4	27314489.24	19548616.26	19155254.11	19886521.44	24433555.82	25792793.89	33215556.82	28928973.55
17144751.27	20039307.14	27968154.85	2675810.646	3841778.259	2175409.774	3699313.487	3521015.872	4003658.476	2892378.468
29907538.41	23516656.43	20316235.72	1084260.753	21327644.65	17717780.77	19559460.37	15582975.08	20411512.12	17403692.34
5661529.472	4518333.022	4343007.465	40985128.67	35566916.15	39600032.17	13209710.35	62097221.83	35982136.42	8770462.543
14728680.41	3882308.538	3660570.372	3173736.24	4349995.866	4015398.319	2889908.8	3553209.96	3748226.372	61983439.87
7321569.73	7066992.173	7955159.408	17962008.3	9134402.068	8039194.509	20307991.91	14661978.09	5787889.723	9658256.522
6001336.249	7425877.08	6210261.607	20251574.98	10938536.92	22017970.11	21441539.69	14342780.08	24636676.76	14030382.57
22016908.7	15156949.94	12783282.94	39472131.02	38251160.1	39213047.11	31407902.24	26237824.51	20612403.22	34219641.57
49668792.02	13228710.64	10260178.96	21395495.07	31006222.74	39556119.39	29366804.19	37819990.24	30782098.74	41962912.45
32346114.66	29418026.95	28232730.01	33202498.92	18350824.2	42232167.11	41090688.93	25106953.91	38576087.71	39507268.57
13226280.53	13869848.8	10959408.06	40025318.32	18022696.41	27081646.59	46793049.23	66839944.62	20576061.32	13985297.06
19345108.43	15797020.28	14821709.72	7546261.244	9900394.656	20299516.14	53519923.64	27865744.31	21955739.1	8270786.213
5893025.564	37704118.83	45049380.28	3153041.153	5108454.175	4598382.068	4432457.028	4024789.684	4703601.025	12455741.29
19188043.48	18325313.74	15812839.62	14316722.75	24994861.82	21472556.28	23532177.8	17680549.04	27431188.56	21552088.98

9396716.911	8804723.781	7764143.568	4185488.966	11063131.01	8136904.558	11167682.9	20558812.38	11225047.87	5371311.039
35694625.26	37402886.74	33157342.15	19143388.04	20254467.67	28063654.58	29334508.96	28766734.94	25437430.77	27659974.95
8577020.709	20196106.95	17900997.57	21586347.9	36743380.65	30304457.61	6925043.257	29988151.77	21734096.69	28101991.37
32282553.63	19592914.5	21463597.18	36158348.82	24880050.2	33013986.85	38748286.71	41880543.97	53414911.99	44467037.95
6824312.255	6860226.51	4231167.151	7061239.81	16183471.25	4216191.835	18010064.26	4255646.943	10586648.72	4282099.447
30897088.89	23963378.69	23074423.33	29492873.77	33046371.08	41958280.04	36579941.79	43857902.32	37950040.13	39260405.5
31128479.9	22182973.91	19466998.56	12695636.67	23138872.31	19028631.62	17677565.75	12687874.15	20183732.7	20247566.74
27381303.52	30504985.83	30688654.07	19048328.85	21411459.49	22112941.83	27586944.87	21278889.22	27298433.5	21879440.57
18862772.8	39124046.13	18468572.53	33134131.33	23367434.4	35702166.38	6036355.849	32544978.32	50750716.96	32538558.5
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1885347.921	13071339.73	21118143.84	37144056.06	27823956.02	7939697.457	1397977.478	30295651.49	1937569.044	14401718.92
24458567.03	45959998.63	42623060.59	23982019.31	15111559.75	26932142.71	18922801.35	33851249.24	16489489.95	28202505.38
25261315.46	30035019.35	31974028.18	12918151.36	22884233.95	25084449.02	25921077.85	22302061.84	22020272.13	23075157.82
1148905.826	1215454.235	1071908.039	979313.4715	948318.4172	4087859.537	47918870.68	1208301.668	2399364.534	1229912.087
5118560.476	6375664.414	4923711.28	8577334.298	33865187.07	9524610.128	32064090.13	5296808.688	12790077.83	8444752.989
523178.0673	796619.1279	469186.5525	7608393.022	15529126.55	2159675.571	47647242.18	530488.6297	7855264.417	2039152.452
270552.4439	259477.3437	538417.203	34166423.24	33547046.73	2204003.997	38172645.95	42924038.23	33566475.76	231639.4094
966285.2058	10773439.07	5109725.135	3479374.302	2689879.551	3555247.195	8750474.011	6751115.836	1281426.472	2438807.291
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43991768.59	23876778.9	31435334.04	14692399.73	19922073.97	25976124.62	22105602.79	28000349.62	34588982.63	34146139.67
36372528.19	41681381.53	36849730.48	21673917.97	20182806.53	15415953.33	17139185.84	35384336.81	31484993.82	13625078.75
34771161.9	23923496.71	36557615.03	8988387.006	9869668.385	31172101.53	12331378.87	20638328.8	28900621.67	6324062.454
43743209.32	21521591.53	25951780.78	17057378.53	22159495.15	24465150.41	20286814.86	17757218.73	21303833.8	23518632.77
28183490.81	38432069.46	34114595.01	12498652.45	21273073.96	14830523.44	19724866.76	44952041.85	16643423.88	9719508.873
17204058.37	21295902.6	17825725.33	11357934.42	19446810.3	12558656.19	21237818.01	14709504.84	47363595.01	16721641.76
8629921.115	11142137.96	9395580.628	13299590.92	32100102.39	6263039.329	30983083.46	9198832.363	14811097.12	7822682.553
15628486.1	12948061.35	14940216.85	34369822.34	15248650.99	16550762.9	15882336.3	8036330.141	19742999.83	11567828.6
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26199951.53	21480476.62	17581191.48	6914689.546	7803539.577	13824992.52	9729777.571	7334625.444	11205006.72	12324734.12
41729349.25	13587753.6	11112516.96	9205574.504	27730523.31	10560805.96	11987467.87	19957036.37	20594727.95	20051512.11
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12678713.44	60243563.37	11807475.99	25864403.47	8111707	13274359.4	24751146.02	36871788.5	21298912.05	25910905.87
27991378.59	19711698.63	20313483.71	27657087.12	29721867.55	33077893.29	30082782.73	30844141.35	30586593.63	30040019.33
4395484.677	3624249.34	3383691.241	32559766.33	6625326.674	23192203.76	13200653.71	13702167.66	19324288.53	11375999.46
2729446.987	12940321.6	3288543.528	25410373.5	11548106.25	34098382.04	35586902.34	38585934.77	23052005.55	11924681.6
12467432.79	15804229.98	12495994.5	31396158.08	17389512.39	9859000.439	18286412.13	29231678.9	19386690.62	15933939.21
2669330.085	3083999.924	2933935.224	2484475.273	3196688.455	4489246.555	41103170.88	3135597.888	15295301.16	3203172.685
9218201.413	23818671.16	22279409.54	3898817.261	4327436.691	4254111.546	2343094.751	4179938.387	3844971.034	5511626.659
21958764.61	11124785.42	28427192.63	3263285.13	4867353.482	25202112.38	14527378.22	13801560.99	14635650.64	5038502.748
9700885.308	14175196.85	9880670.229	13588976.27	14143286.08	13642219.36	23334053	14726476.85	9090504.37	14080320.78
9320442.897	11219734.34	9779801.192	11420151.91	27962981.29	14344174.83	11190298.49	15472497.97	28150527.54	15437764.31
5425238.101	4282718.611	5560882.866	2462933.76	3206567.371	3790996.322	3979163.863	1405936.258	3344750.746	3464033.064
32616525.33	11537009.43	13171536.22	14645298.7	27697608.95	16991892.01	6210050.832	19297118.82	19372665.17	8014917.41
6120278.458	4768442.192	4919653.212	2556350.373	2297162.329	5135785.426	9898636.886	6405838.658	10566822.89	4174931.682
11888279.82	16998456.51	19689674.25	19836060.29	13630548.75	31395700.71	20933624.34	6777178.433	33462925.23	21847975.37
24345408.17	52236078.16	22561265.08	17976652.4	14383014.03	15629600.98	27057407.1	17629716.4	21028964.88	34566693.56
4898892.512	3954355.797	3221615.471	5737605.577	12586745.08	12833000.67	37438312.34	7688604	23873432.42	3438677.86
16264901.73	22151930.35	2169763.854	26095425.79	3675766.172	12025843.55	3327823.312	12734729.93	9506511.807	23121926.95
15785553.1	13037597.83	13210834.23	26604048.61	26384798.42	11757815.67	15672385.85	34301894.27	22270721.46	13267553.64
2175513.132	2491822.254	2210068.404	28160972.07	1790603.181	6821656.363	2229331.51	2152407.827	21127588.8	14832926.17
2735584.028	2319528.919	2185590.134	7259275.009	3654744.24	5001825.545	12119262.58	4146970.491	9762791.313	13044529.3
16964636.23	16979198.98	14967120.88	13021154.07	13383316.92	13429507.23	13839118.51	10583287.11	12881539.26	3348991.668
9123514.468	6489465.636	3147609.482	4055976.091	4263422.002	6917874.861	36184901.47	6268541.822	10756809.23	1675672.283
9352159.672	7770027.071	6533675.412	19071858	11554646.61	17420287.55	15509837.32	14916142.38	8855242.807	34792087.41

12531273.7	41548692.93	10971821.34	7246407.102	10661147.06	8046167.812	10850803.86	9726070.106	12269222.91	10081403.29
14530954.05	8588173.356	5866252.333	5078880.128	3436895.449	6156324.718	3469848.883	45173230.04	3682376.855	4928260.834
15249046.41	2679574.122	11331125.22	9149965.656	10926439.48	10159118.67	8451361.517	42285558.22	15058759.69	20212768.99
9272094.124	11996085.71	11992316.58	10593243.45	24243672.62	8099834.083	10101759.2	7778098.966	7181819.497	11961486.37
19142757.06	21198169.48	17247868.23	9519798.324	16759239.56	15537808.22	11668568.55	17275948.58	12285673.8	12486853.68
15696809.5	7195506.099	16313763.04	7674339.705	16603591	21959912.18	11367776.43	5310094.204	9139688.516	32760479.79
14269620.51	8695341.087	10471357.69	8454228.501	10114236.24	9408202.325	7768006.593	41378632.52	14305721.45	19408279.96
13024813.29	12870980.04	10327031.22	16362089.69	9522127.836	9409347.032	19435602.08	15827894.47	26984492.4	10210190.51
8645842.35	6491033.456	4997673.137	22674989.27	23550615.47	24488451.78	19618628.16	10367692.26	919612.0297	35924014.93
11299525.31	11251517.48	12790295.59	13632610.09	20208865.5	4054844.034	9591947.407	8612667.997	9716045.495	6012057.651
20752429.88	27119075.43	20138138.09	16158981.42	18155199.62	21526022.97	32953178.28	26916073.89	19376105.55	19123426.2
718759.4937	2409508.839	1267481.364	840798.3119	678969.2886	617713.2546	1213014.18	697356.6327	719674.7456	972106.2134
18769105.14	8468283.376	12455959.21	16115812.51	16563044.57	15687956.63	14099661.42	13763642.45	17865205.11	19265853.34
30122901.84	19872116.34	19570343.97	3800078.488	4928078.376	7798871.351	4262090.935	7703575.258	6024790.474	7704463.601
14127006.24	12674416.93	16304294.42	11070929.96	13091245.93	9709311.246	12639762.9	12456016.05	13341841.65	11720005.1
21718600.4	20433018.52	22166832.52	12225293.37	13330279.38	12464118.18	15628118.73	14415123.86	12232429.16	17164083.24
12891860.93	12953305.37	9745028.035	16871311.55	20136198.03	14790661.12	31219707.75	21287576.03	13585242.86	22175733.91
4260168.229	4475084.909	3377809.108	7090457.436	13874285.18	3566364.397	12039590.02	6058174.001	7681544.718	6978848.913
1965203.426	3624376.693	3146686.779	5654907.844	21631316.64	1858070.798	6203316.468	1529359.238	1224552.206	3238457.505
12674210.78	22995438.39	11591777.96	19779262.46	14543916.62	21820873.33	4731783.387	25038204.34	31461080.54	19270793.69
28855644.95	15669610.9	16536449.63	1129452.968	765458.2306	6325974.451	1775954.97	14456384.37	3477828.7	2942230.198
5100059.185	8340467.644	4176626.595	6005739.481	8837278.414	6664736.454	7206652.935	4370660.378	7873649.747	6025561.798
1744818.474	4262171.08	7894369.714	16500420.61	14705747.49	7336614.225	1002714.193	13314364.97	2372322.222	7477491.414
2821245.855	3215717.988	2023721.577	22530320.26	2780130.863	4467649.092	3759072.095	5594262.111	12659108.02	1807383.099
17484494.82	19733919.63	17033821.12	10589573.65	6647387.854	11052136.18	13331545.47	14091412.01	15536463.37	14677789.1
12757188.81	10555305.83	8736250.95	15189331.22	18249097.69	15178531.58	1165930.717	14069011.67	11720865.91	14428692.55
17406361.02	19818119.52	16406305.49	10394621.41	8588684.424	5405935.628	10517398.91	10724960.21	12615803.98	13748026.97
21019689.41	26489570.63	21907563.63	15952431.37	18681810.3	20755773.29	24611728.02	24548246.19	20058675.8	22781939.82
8256776.578	10477036.08	10000099.89	4108639.273	4406181.508	5535294.53	3086122.595	4779839.699	2467771.528	6879713.29
11480118.77	14417633.81	12609753.89	11923482.43	12041674.95	8828356.363	13874473.19	13367333.6	9935934.497	22556361.77
563264.6407	686863.2584	568231.4541	2273606.175	3645800.992	7070124.392	3899164.148	4547223.831	7458087.316	3062978.211
14427229.34	14095105.91	15440642.03	13940077.05	11059659.78	12911504.21	19223696.98	12326517.67	15075925.62	15582681.47
8503849.182	5303131.928	3031015.423	2921404.878	3496437.535	11148258.15	2018678.267	3187367.282	3191836.112	5901639.718
15075759.35	24843196.45	18999483.05	15171111.56	8766630.171	17667808.75	10649885.88	21512798.36	9202119.036	21461203.37
850817.5428	1673327.759	968784.6158	7065920.332	2992103.417	2905747.597	24320796.15	920943.729	1288313.151	3423306.267
732188.9146	1422916.88	1849618.033	727022.8992	752824.3253	543011.2588	3148044.13	731549.4047	350352.0808	738656.339
7188643.707	11198098.18	5205001.735	17923275.8	12314119.49	4427386.605	12856043.59	9436536.144	16866808.57	4684178.363
6349672.778	7275805.773	7639555.097	8348900.953	952082.4489	4333764.339	4001668.077	8203512.532	4703233.108	8190694.072
17061823.96	11159261.8	10837707.36	11224006.38	13951188.52	18384915.02	20982294.9	14784492.45	17812715.08	21271281.29
1949961.298	13962913.48	12077209	1330444.892	1581226.11	1876543.185	1693727.68	1514546.894	1269610.004	1571884.25
565510.6128	1381513.119	3191012.269	7675835.109	16227069.14	1333237.33	1141030.236	796535.8044	547185.6754	3458898.39
1291853.614	1741111.164	1374065.218	7042944.406	3143230.295	12680328.95	4686511.743	14348152.75	8803010.732	13651191.4
2354822.108	1950322.012	4349572.313	8002959.432	15966950.23	1104618.604	1639093.204	1333006.248	2166601.062	2534433.135
14705268.08	9407845.818	7414140.306	3196740.369	4968918.298	7650764.303	4584896.354	7237575.357	7761394.636	6307800.044
11186088.86	12653809.79	13819849.55	5871574.146	9084957.409	8503007.216	7672386.63	6628831.821	8237555.863	6038259.779
8708187.945	14782009.14	19180421.88	1253658.9	1048055.019	1046656.31	1197628.572	1118513.714	1646131.244	1098882.676
8093536.661	11498671.24	7527027.675	11933077.3	9864358.058	15977269.78	20336367.32	21245683.29	20909401.43	14374070.67
13347765.46	6322856.603	5976963.629	4443456.014	4892203.907	19126025.27	3176505.48	5751161.034	4949491.682	3164670.129
7769588.015	13955439.68	17397722.96	10566572.32	6083289.316	12719019.95	4240835.392	8649929.6	15268009.14	6075806.191
1329415.474	4302310.542	3280984.967	13253847.62	5632664.426	3670729.547	13375763.43	7880462.407	1225424.422	3064849.507
6495972.666	9483803.14	5839617.829	8124645.564	13783277.11	6819390.834	8889418.709	7498662.291	5995141.581	7267293.518
8770476.131	27847370.02	13130530.97	2053753.418	1437133.448	6259109.365	1804987.946	20057599.54	4344814.041	9099567.646
6885321.371	8219711.271	6823108.541	10127720.79	10012436.93	13315969.46	16190335.83	18156872.35	20549241.69	8841880.691
3111554.845	1592386.512	1404324.289	2491655.81	1812790.207	2406232.624	19797524.59	2410887.465	6709189.394	1804086.825

5060423.853	9154831.817	1767412.174	13038855.03	1616426.748	8450233.82	2913109.695	6400943.083	2713387.175	11452957.82
8171900.179	9511721.218	7482517.026	8734847.49	13812849.69	13737887.36	17091195.61	1053039.075	17916865.1	16235547.68
7626302.661	13025381.52	11251363.88	4329083.735	8563679.013	4740022.86	8283805.582	2542528.887	5814586.334	5894693.894
1012434.203	2637320.899	2136628.062	4258013.481	13550898.93	1250627.017	2861953.401	2187865.503	2804668.2	4100012.47
8013882.662	1714484.59	413253.6253	7105650.555	4908940.048	1093207.105	19130980.51	1080515.362	2086364.25	1120683.745
4535547.92	2936123.528	2732476.171	6005465.008	3805247.262	10551837.75	3148287.588	5241082.504	4957078.314	7686663.638
933899.2518	910759.0985	1073271.716	4864982.009	913444.3057	916030.3875	985093.9814	386662.6385	467496.4494	20841588.95
1783625.556	1612215.206	2765124.368	1568615.386	13008260.53	1464924.484	909712.5006	1534030.789	1054586.09	3138258.649
3556113.148	3782389.267	1475848.807	1610633.191	4351182.755	1464906.739	16145512.6	5241141.007	18628542.2	649966.9309
5992446.773	5400085.197	5541114.036	10371325.81	8153818.315	8150459.406	9110952.255	9063717.448	10117127.05	12151021.21
2116542.063	810825.4344	715066.25	1512062.447	1323070.552	1599997.365	17841539.42	1513776.866	5132926.186	982480.4146
1554725.774	2023024.704	1384360.243	2219805.091	12521141.55	3991107.068	14775461.93	1261724.457	1460131.403	2422768.33
4829225.196	12064031.7	3966190.418	13429149.58	7729427.853	739210.9983	1903905.782	4779760.024	1239539.327	1630067.968
501163.9043	514346.3427	442838.3677	3942425.552	9549046.821	994995.6022	1442736.795	500697.8943	1225060.55	786184.2571
2074036.76	2530739.347	1989119.2	3245943.445	4546751.994	8488084.135	3540248.688	4437280.747	9673515.671	3742691.012
3975053.036	6911483.85	4556066.272	9348713.176	9573891.414	2118241.847	10171060.48	2759756.694	2955536.912	7113967.252
1522138.154	2112909.679	2450558.868	10865491.04	11725492.06	10885773.94	11159952.58	10839806.42	10864563.59	7249833.067
7432000.362	9482587.197	5305339.147	3904315.068	5270905.459	3108150.591	5718706.901	5153734.731	4262831.272	3765453.807
12069590.31	7236919.648	14693658.54	6419601.824	5172286.681	15098596.5	4669910.714	4369115.882	11747997.6	6465687.478
3259887.76	7677311.204	8384880.45	1396889.694	1663393.639	1522222.82	1515106.12	1839937.689	1403348.334	2199051.943
354851.8266	515141.4711	356803.3298	11247150.39	9985908.888	10331892.34	15584895.8	10688441	16528895.31	9017917.36
9937633.864	11093925.98	11140151.16	8850553.8	11224011.43	10978341.12	10251117.26	10886232.45	10240432.37	8453801.678
8360496.882	9426600.323	5069125.509	9611462.262	8352645.562	6082645.399	9904021.37	4838322.267	7808577.083	4157578.04
9594531.213	13405852.65	13868315.07	5133971.348	5570996.904	8302146.575	9441751.493	7883503.138	7791276.393	7541726.018
7522725.393	7178096.73	9092884.193	2920627.257	4877958.709	5767117.586	5255112.515	4550890.194	4121680.38	4783782.377
5839788.427	7896059.915	6524632.819	4319383.536	10917329.37	4447613.431	12912270.85	4841146.714	5232838.096	4254600.716
6432669.4	5619383.001	5186633.554	3406664.45	4293518.173	4321206.359	7487429.657	5840464.004	4056991.342	16907824.84
3228805.007	2863998.117	6131829.29	1065291.332	489470.3303	1016150.274	360695.2002	435458.3011	540451.5874	923024.4857
9889957.445	6398551.052	7586469.547	4943975.87	6446903.755	6173425.658	6596405.825	7529331.976	6020281.068	4350795.938
6934752.822	6046453.246	5062730.799	4127440.597	6025022.633	4581428.79	7009673.224	4585481.161	5323989.224	3690942.192
2190722.87	3084232.094	3037768.426	7739561.435	10483016.49	2634151.968	6017980.05	2221554.874	908460.4496	4184701.044
826257.7871	849497.2569	603139.293	491536.2556	388563.5269	410585.0644	475012.8216	625622.8367	423666.6527	16482908.06
3717994.431	5695628.474	3050846.719	2450422.114	2759846.927	2349429.834	7245412.107	2822356.186	2650567.538	2224210.062
4665301.011	10064596	3127023.549	5457682.477	2686189.939	3003807.557	4327054.568	4807003.804	3410885.282	2250683.871
677847.6287	1767885.541	766171.5525	2005072.537	3160009.377	370500.5366	13800576.17	1937539.049	632014.2092	5943948.603
2244896.852	17462750.96	6458081.777	7167469.638	3509808.096	2405245.023	4293170.079	8860884.925	4433422.894	2757867.828
8742390.575	5244121.861	4732950.634	8539767.436	9665057.843	9643887.607	5594216.898	5746271.608	7015700.319	10846456.1
9575597.096	6769940.463	3539999.92	5498391.289	9646201.54	6101365.196	4502259.789	4424832.221	5356940.42	6534671.504
5429649.459	2425410.471	5425130.526	2845520.504	6000766.423	8237165.083	7224271.956	2542522.027	13234104.04	1937795.858
2317873.277	7040272.751	6901027.416	2057914.685	3210144.23	1578394.811	1724470.367	1338390.117	1458074.624	1605441.124
2326453.614	3545859.35	3686303.156	2789264.661	4352514.089	3559334.48	12989304.36	1228940.413	1880038.476	3720103.004
564697.6228	628501.3187	516189.0946	5628981.733	3879441.471	511657.3627	5184992.725	831363.8168	2405673.514	781524.2978
5952293.188	4035317.051	4498573.451	2594846.957	4557201.174	3610937.526	4691205.346	5184000.406	2908899.672	5112751.333
8485225.076	11364008.63	5040144.67	5505081.319	1116963.209	3317417.614	8392358.824	10012151.57	10245412.27	2862337.919
1110851.809	577437.7465	1196452.081	773338.7697	9001000.657	1658800.204	7579514.499	951253.2577	2401807.296	2150034.339
11890777.81	1791607.425	1978722.104	2561710.692	1654303.666	1266356.371	5735354.327	1198009.559	1918557.308	4014157.768
5736322.737	5586390.125	7335835.853	3682029.658	4860142.8	4597371.575	3629995.081	4955783.712	3881217.786	5021311.708
1487970.216	818975.8409	1981146.942	1085545.828	687070.2964	734047.6499	1224685.534	3617796.214	974501.9435	2555548.658
4199515.326	3376999.049	4026375.252	1956284.398	4985963.289	2983285.143	2509801.71	2682180.514	3027972.793	3742062.511
10908310.23	11650956.21	5825827.755	4533180.124	1200905.087	1693238.795	1936738.023	9237483.836	4824697.138	1186560.409
1427340.768	2798263.765	3955454.744	5383420.669	5787163.816	6932594.861	1825782.834	6356597.216	6833753.364	3183895.24
4144167.081	1598017.435	3198592.897	3190495.646	8454252.6	6803127.773	6887982.776	3414098.711	5117600.52	6611677.056
9320193.48	9112487.643	6282274.417	4610750.673	8161189.485	9812810.312	4371231.37	4722560.822	9852233.471	6981913.537
4885114.316	6751815.323	3539125.489	8939960.495	7014075.444	2559143.509	3004752.488	5464294.199	5345516.285	3163099.109

2088832.37	1496136.21	4405313.979	3723992.404	5992383.843	6367370.05	2362481.263	9182884.576	6034065.536	7908064.479
2913884.379	5052384.837	5973086.606	631276.5226	879762.904	814109.5575	885618.8134	914379.7379	820692.5929	974408.6374
2661558.688	6834014.499	5365057.851	2724285.098	5281458.31	5871463.633	6283144.961	5607654.431	4969122.199	5457569.25
1005407.224	580277.4763	440218.1703	490494.277	346936.0298	1294240.781	6230576.305	739063.008	11595455.56	297749.2688
4751685.122	3232215.753	3471702.593	895508.3465	6566277.484	5579004.43	8114344.17	14305143.44	9233881.984	3188653.246
5801854.697	4942402.747	6985838.137	5065293.149	1839999.921	4019378.746	3356211.031	4663908.734	11331110.45	7567214.389
2388686.934	3640526.867	2352642.631	3359020.338	2591032.149	2154345.345	2514741.31	3259810.322	2455106.171	2074674.985
7414220.469	8144496.305	7698903.785	894594.6726	2633840.084	3943801.575	1195063.378	2832307.206	2297445.073	2168751.165
8714544.186	7490030.126	5986625.141	8151758.57	3890099.121	6657732.068	10503095.97	7500755.497	7466079.798	9458470.73
4033834.436	4129111.183	4212463.036	3748890.862	2369347.379	1940557.704	3626996.477	3829562.473	3102431.268	3865858.834
2144082.65	2429139.105	2938360.679	1640390.536	1863663.399	4516872.302	2868641.111	565686.7065	1538848.945	6105523.095
4277216.547	2885504.501	4253077.083	2629111.81	1452239.82	6108836.803	6362239.196	6995661.308	4469601.665	2198304.964
1606885.499	2325236.216	1224822.344	4170867.112	6022484.99	708821.4858	1290317.865	1806936.228	984625.1532	1213652.085
5619883.013	4474391.712	2416204.052	5142031.627	4666706.115	3662940.227	4741149.117	2634096.224	5141037.233	11329011.29
9363932.653	5658617.256	5844694.656	1337799.792	2229311.034	5397353.212	2257972.614	1925977.306	2238975.03	2785345.684
3406524.951	3003768.374	2480600.814	2472396.571	3851279.396	3056286.304	2166844.78	2950075.877	2098811.969	2302358.592
5165355.538	8264581.741	7325565.337	4723252.966	5962966.852	4139015.899	5104767.14	5793378.918	6114172.828	4218545.502
5918759.128	6536233.182	6394701.745	2680123.124	3694135.966	7088992.657	4561235.108	4712132.225	5152493.986	3804885.482
3708929.554	3189918.153	4955738.159	3226366.206	5462744.943	2596514.38	2846363.286	3545163.127	2916403.878	3137180.094
5806170.376	6844815.725	5647341.364	2179297.561	2619420.152	2791347.204	4337820.338	4539710.543	4785405.604	3892751.383
757295.4529	498588.6091	604354.9184	5807587.771	3013161.147	2260523.322	2671927.824	12528103.9	3400595.712	6141332.471
712009.5469	2562530.48	860362.9561	3013206.746	6830203.178	494374.9111	1693081.389	916952.4668	697810.103	726767.0377
2125044.194	2839020.595	2367730.797	1558494.072	4136343.869	3104648.342	9553201.31	1561585.589	8320081.996	1443520.305
3348835.227	7466377.155	4043599.51	2226673.55	2518938.73	4430640.294	3494881.581	1748957.096	3069321.397	1558644.095
3805984.378	2812552.561	2329926.889	3547440.574	6621748.844	2876119.269	2071835.887	2686101.305	1975425.464	2163316.65
5867898.122	5290815.076	7481983.424	4577399.309	6376906.821	5209033.946	4938835.484	7447361.231	4940126.447	4567669.052
2894162.306	5235640.056	4557066.865	3421373.475	5777323.505	1493981.305	4998644.299	3651563.502	3339390.602	4046506.488
6072584.159	7195114.728	6671007.963	3465216.697	4388226.017	8330526.96	4996069.561	5601508.663	4922390.789	3107723.117
3983100.595	4283096.839	4252041.06	3533747.024	3909205.762	5732873.381	6011498.89	4124821.162	6634346.164	6031454.074
1128084.893	1920306.016	1028004.064	6813946.234	2077858.57	987611.584	1636638.861	2302091.022	990030.5963	1769110.462
1893070.031	3191955.537	4018540.126	1545232.188	2501704.966	3553871.857	1215645.174	2088437.707	1676002.573	2828848.592
6521101.818	6877142.904	7529879.506	4685572.888	2576390.738	5729319.293	3445893.961	7027293.472	3231503.677	6366014.699
2464361.111	673147.6163	597881.5744	3568993.124	2828478.272	2846209.714	3691485.396	1150288.555	2474009.578	5375452.479
6951973.234	2444100.375	3660017.87	5927622.673	4925121.449	5267711.44	4306441.871	3045922.801	5769706.904	5636751.938
7893958.63	7526608.565	3960333.806	2793463.837	2273797.793	3857162.337	2642154.729	5205414.074	4110911.249	3131590.878
1482755.134	2535768.028	2324214.746	1414202.276	3005473.938	6713432.079	2827627.572	2579839.465	5569847.807	5567866.57
1894611.092	2019716.884	2309500.845	2279152.303	1602691.362	3109168.545	2976645.185	3420599.807	2851549.441	2206021.804
4380129.144	3706670.517	5021753.565	3767409.792	3764660.875	3240143.498	2824955.229	4723468.772	3830794.622	3313327.229
1343740.515	1680710.119	1623614.396	3088657.388	5411001.953	1659179.679	1227168.93	1814251.568	989817.9422	2357678.994
4464172.696	522491.2814	3046999.025	2698388.241	3173642.803	6809673.982	2116866.744	470414.2786	475853.0192	3787013.426
635218.7517	652851.4147	569743.4714	684712.2448	3522704.431	3564655.913	4602101.773	634628.0901	1381058.404	390131.4279
3507277.713	4576898.873	4469553.138	3356067.907	1890464.695	1405190.075	3370575.06	3979629.224	3106864.353	3692891.968
1435139.527	3028948.38	1281312.863	1692583.227	1571453.001	1307401.367	1638051.742	9448134.027	1983152.127	1460383.796
4055165.625	5908295.268	4471292.895	2823753.099	3312656.659	4151469.353	4128230.773	4855072.326	5849885.307	3531279.711
4639576.266	4960448.359	3615830.65	1608748.123	3869268.562	3589766.448	2799908.579	2971315.39	2386807.848	2874873.442
1861769.208	1823426.278	1714645.652	1747595.191	1823891.899	2533766.314	1172995.486	1994202.192	2110368.242	7806260.002
2551794.534	1789671.238	2870974.324	2548740.811	4429122.001	4599574.994	4496990.503	4047799.784	2883944.039	7641263.225
825518.1848	2755337.165	2868685.83	1635833.653	4782766.695	1539739.761	1304828.649	1079462.098	2591915.818	1236830.261
5027630.975	5708457.04	4385570.289	3107130.51	2312862.629	3521400.183	4414686.171	4407386.412	4367500.609	4276591.471
1752431.157	1650976.837	1691637.866	1057662.813	1591321.047	1077384.792	979490.8945	1169254.73	1110215.239	2006718.088
3256166.444	2299467.537	2210430.508	1979341.303	1984554.22	2860032.161	2667264.138	1857179.407	2751320.119	2354071.201
2638771.198	1379148.301	2017586.459	3599988.762	2673409.196	1936945.399	2446654.681	1407073.536	2186087.733	2324716.939
2618439.247	8862570.168	2096072.49	1822891.603	722302.5795	759172.9386	342817.6945	1630641.241	532638.2404	1007397.517
337569.9272	327929.509	302191.9482	220760.0153	274655.5101	431339.3897	314216.6409	3793005.586	276446.8438	7168858.34

2531710.661	2204170.068	1762041.239	1060961.412	1546958.815	1156606.869	1268324.101	1137475.946	1227092.214	1250427.857
5327377.648	5492571.29	4710389.711	4117598.125	4362782.316	2186272.368	3747760.694	7820507.898	3580946.663	2617234.203
3487132.779	3768975.24	3196673.68	1692812.197	2119521.757	1830573.682	3046931.406	2525461.109	2551482.488	2489936.501
3514296.575	1370980.176	1933739.563	4377177.759	4352808.055	3885727.714	3218362.562	1922045.705	5077600.221	4867420.66
351028.722	1773433.106	1217688.933	900805.7791	1720119.105	2114876.148	6144704.201	7062553.019	5306469.471	3189235.556
4898307.642	5903072.821	4409266.817	3374152.636	2632456.257	3679020.943	4026700.999	3975492.073	3942795.183	4198628.232
3538363.511	1164637.022	4240983.887	1832132.622	1299875.643	3736151.618	2357067.248	2299324.749	3163889.46	2240236.496
4283876.916	3169603.277	2987231.91	2971325.408	2684305.283	4256880.345	2909341.58	3920607.157	4214679.033	3694819.942
591668.751	564703.5282	804636.0125	4050935.126	4027342.876	3104633.557	3089772.609	2810984.161	3145310.274	3235380.361
1159306.683	1501790.173	1297233.814	2712465.463	4024198.825	3663459.959	2406697.326	2336895.211	3375222.045	1988665.865
2496217.878	5235748.371	3652124.148	1983643.234	1443389.64	2387894.459	1700970.618	3838044.486	1599960.676	2879822.997
4307689.172	4312869.554	3309357.652	1809933.428	2246025.592	2635903.962	3566385.953	272041.1632	4148284.931	3165486.442
2630568.521	6075158.053	6245932.614	2631668.043	1741981.368	4477283.851	782873.6561	2122459.373	4554130.573	1493761.788
3370614.959	2760477.985	2401256.86	953288.7159	359506.93	2279352.039	1908222.114	2117676.617	2814241.59	857243.4737
3238432.445	2481898.851	3226220.422	3961256.497	3069155.108	2514376.387	2674269.209	2013283.861	3485713.346	2289164.755
4095494.877	2131892.949	2698472.877	2684342.832	2425003.469	2513016.549	2570091.217	2173210.479	3305743.331	3161939.293
684347.7269	1644290.336	718688.3814	1184304.707	3299382.998	391614.8952	1600500.342	331761.218	2121707.055	1250777.081
776844.485	1238597.144	1044795.886	2242253.646	895487.0545	1168756.068	439615.3629	2089861.208	3193097.331	800063.5669
446079.4223	446423.0299	385535.6097	301277.9064	3144298.513	469950.0424	331411.6414	318516.0269	1021462.88	1054475.58
1458100.194	2362781.326	1176080.623	2059819.925	2917388.528	588453.7889	645930.5957	1586821.74	1407260.542	513819.6286
354671.3049	410763.0625	285646.3242	436449.2	1058999.711	351681.428	4003361.008	252481.4496	272921.2999	549639.8646
2299594.009	2806661.246	2193906.967	2421135.485	1797595.93	1956398.568	2715057.674	1313519.343	1789717.21	2686192.829
1446386.212	2801492.138	2020240.117	1632358.633	1742556.39	2074355.867	3059739.585	3266577.87	3439140.745	3669880.336
3493360.556	2018701.406	2330400.9	623277.2361	1066657.09	1904204.237	1195315.76	1087262.441	1181586.075	1219679.851
1810669.102	2351657.077	2132441.158	2783332.589	1755762.712	1953087.95	1796334.725	2182269.434	1992612.299	2175764.599
3345728.071	2168982.805	2518860.713	2346339.696	900460.5835	1385509.646	1245644.52	774035.7818	1837410.727	1209379.28
521403.364	1197687.386	1181741.787	943651.786	911282.0359	1360718.529	887134.9511	630757.1433	731804.4374	1140144.43
118238.9095	618906.2232	672316.3871	282700.6935	707220.2738	368857.0123	3089281.683	448252.6137	623071.8953	389176.1773
2602446.539	2532808.216	1678388.077	847239.6865	1171374.287	750494.6771	1463690.409	1975792.317	1666822.75	923984.4156
2888281.323	616337.3709	683749.3644	226127.5154	173422.3056	177151.7491	244232.445	349666.8737	258176.4768	167146.4962
2727613.694	2756640.596	2816243.912	1303621.914	907064.7566	995203.6712	1164207.35	1681959.553	2027581.358	1304546.48
1202788.447	2195982.542	1616164.109	679876.3411	325946.2344	1139323.711	790146.0195	1543657.835	813043.1611	1221881.386
108908.5904	713223.3185	141154.9462	212151.0083	236312.0751	186251.3336	175825.473	169918.3494	140335.3292	296101.5782
733956.9471	1394695.608	1455808.998	934051.9466	739038.502	2482532.414	1008898.807	1306441.421	578660.3986	1801553.632
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608152.1138	723710.0103	650055.2726	519732.8303	1544085.3	2456010.942	769576.0368	1891636.207	580053.2936	1296330.363
702232.8845	425528.0782	427516.5974	1806563.958	344390.2396	443365.0724	364955.5109	1376218.291	365585.2898	385508.7978
1048376.815	1377324.648	598974.2854	122735.9629	156326.7869	144243.7589	432522.7947	120462.5944	111837.7901	115718.2096
914193.1553	1155961.207	981614.9543	1277062.281	824029.6647	1532207.176	1341618.203	853247.9223	1182150.439	1964824.651
511186.4435	516428.4866	755845.7186	363629.917	201481.8824	338093.148	454632.618	293467.9991	435154.9527	419520.5366
436894.9637	689875.459	503330.8383	438918.6307	277138.0964	491466.7971	824159.5416	581665.4702	370539.1378	1014798.449
195130.022	209635.3727	162918.7525	348698.208	192919.2147	156645.0271	93144.21807	135685.6636	148025.5437	137650.4829
720283755	3721063559	230657634.1	4651948211	788936143	1131054507	8782835481	11366679264	2901232197	1462754664
1408739956	962979402.3	1233118604	860712993.4	283836220.7	475882178.4	586613255	928985992.2	913365315.8	331755571.3
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100531335.4	193862332.1	107688628.2	654562221	299677493.3	43833595.32	145845783.9	148835389	107275155.7	319170688.1
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380375497.4	290757188.2	266808780.3	253801152.4	454402145.7	305597604.5	531975390.1	210357375.8	326788994.8	196860997.3
131148449.8	202980048.6	193621282.9	236097680.2	373449554.4	113066479.3	207726777.2	173604633.4	120956072.5	198952061.8
338079999.6	339212462.7	297928143.5	267216832.2	230123459.1	223729355.5	308071332.6	249418908.6	281384741.7	304903721
222760513.1	178131784	158541693.5	52925943.57	97992655.21	257907272.5	338395066.3	589282102.5	234620195.1	50326540.57
92416282.45	118850040.4	107492566.2	130643250.6	307099024.9	334528573.7	401117990.4	260755076.8	287406422.9	244533020.8
179078390.4	150416443.3	146039013.4	90740847.74	145044422.9	130469314.4	141666357.9	123438907.7	135287018.7	95358194.49
184412551.1	171315589.1	161055435.4	93327317.12	146316763.3	135129109.6	142620374.9	115313727.7	129248496.8	95336676.36

193430302.4	213076153.2	171737336.2	145022048.1	193369951.2	129781585.2	187377426.7	249042205.9	172233634	185426463.1
152474402.7	180094458.1	145091088.5	127477002.6	45972914.42	87898212.27	99555483.47	123057911.4	74521665.4	78356674.55
291435673.2	206367545.8	160490946.6	201611595.7	180743776.2	168365783	155384381.2	424010841.2	333010224.5	89198455.74
188031305.4	228901656.2	213943470.9	68783969.7	77767036.06	99614885.3	103433751	101013428.4	84559153.59	110969656.7
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101261011.5	115702069.2	110262450.9	63252563.77	24872579.41	250603129.1	29280047.76	356626513.1	56832078.75	98009930.21
136525205.6	139464258.9	132935327.1	86555831.2	112461251.5	94346189.86	119152857.5	102262272.6	118030019	111805119.2
125773604.8	131823512.1	109740028.6	72419833.57	90975502.25	76226407.26	82814340.69	90853431	64582630.2	65299721.1
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157413124	165070613.5	100403325.4	72562348.02	115167016.3	94874110.65	101612856.4	122631327.9	124801205.1	81452662.93
46690372.22	142263108.8	99693899.68	144177978.6	58921837.31	18389412.95	33814622.25	56155864.83	27004874.14	71406690.8
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143393205	134884433.5	140159989.7	51464999.29	76865782.05	122301537.6	103708778.4	132913552.4	111372349.9	90272927.17
97947966.84	45566624.23	72310022.59	31812429.71	65768531.9	39882636.99	64526958.33	57546613.24	103077302.9	19430470.09
51949644.06	53362518.28	30990216.88	104244814.2	85914478.31	32419917.83	83066758.04	53006777.49	74849978.51	26464317.01
31426809.55	47301356.07	30470137.27	121027141.5	48603741.87	24818744.16	41726311.59	50770130.96	50367063.79	30574497.66
54857020.02	45074895.37	57485905.21	32812591.51	108200661.2	82618077.64	62500730.28	29953101.03	41834520.48	48117619.42
61982454.99	55518240.56	41786216.49	42066331.93	60091356.49	60228549.32	53085779.93	98283865.3	41867452.13	58908286.57
53217252	50291748.68	62777226.81	52405885.77	89693530.45	31046097.26	71752098.4	41637568.77	31782736.67	55491804.36
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26783091.73	22605601.42	26994683.88	17359017.95	23997068.04	96568289.87	16220231.39	37991756.05	32057396.43	13810064.25
22538916.9	37778805.93	21496205.94	22561449.55	69625940.95	23831621.74	58126272.4	62804107.71	42617623.94	21213882.5
79863132.5	128492359.1	44188616.44	30904832.48	38364767.83	49465925.63	47259586.41	92952934.78	49050378.09	63536156.08
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34910117.87	17787123.04	14507560.43	50132975.25	35525605.98	62912180.24	42135008.76	35586778.05	40736550.47	68305283.3
71805423.09	57625241.45	32544878.6	15114206.49	11613198.88	82068905.23	42226485.58	85553840.24	73138084.02	21350897.46
48044725.75	50536330.34	49340789.33	31708851.85	61451366.66	27999586.36	73455679.46	26771010.61	53898618.7	35374345.94
49319015.96	49647821.72	55952674.59	22617334.3	27019985.36	35268734.86	34599457.09	39381273.2	34564680.97	35957522.7
25834672	30632785.04	31348838.78	33752910.18	30386501.47	50554040	80687901.14	35304282.23	61545773.42	40212202.15
12173216.36	11586705.04	8171358.051	34500692.25	46575666.97	42665568.41	54949129.22	41454787.23	54849394.99	32314419.33
38043079.61	43793936.89	34163208.8	31352122.72	55241563.6	24954182.76	36726072.07	35083940.21	32813220.7	23548129.87
37766379.22	51043690.05	51968886.87	17440784.19	12935035.76	37960609.08	14777370.24	50929098.97	17504297.33	28297255.37
18700629.33	22003467.61	18371745.91	38157724.13	46809599.18	14151522.53	55288861.81	63221228.1	33587381.06	15864725.48
22764190.23	50791624.26	45684932.63	24156770.97	50490053.91	27526142	20726074.52	13301828.3	10848504.68	20422532.7
31880310.85	27379287.27	18718529.76	25299992.84	49348426.23	21107799.13	38264316.66	22493798.43	32665392.45	19326331.54
60890141.1	69448362.92	52066506.22	46663758.43	41422984.32	47048990.32	67340006.03	51740223.64	50443087.17	68228939.34
32294786.66	69726794.17	17374807.87	25982871.55	12546687.27	17857957.56	28613970.62	33555232.38	30033103.88	10370390.05
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30730685.11	36655142.06	27582757.23	13669046.52	7242427.166	8239715.631	6450981.972	9782576.96	6786561.915	5236065.473
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33416831.34	19386870.07	20063068.49	9954889.451	11586631.52	18050297.33	33732446.59	15014563.18	11718784.95	5106293.298
32210921.33	20373071.11	23307313.67	17906138.99	26448002.15	33739774.33	40939354.43	22418936.24	17254618.11	16903844.94
26164968.29	27752425.21	32691868.27	15495343.22	17805385.85	14505247.91	18537760.32	20711488.78	17257494.88	10801854.24
29838362.08	30355058.11	32447256.68	20121048.42	19513735.4	17991569.31	18207191.12	18113325.16	18400681.55	23323231.85
26138794.44	14680605.77	25819061.68	18272425.11	16721680.66	14984037.89	24373119.83	17319532.34	21683828.95	24413563.24
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10071021.22	35633744.89	17522814.41	34726830.36	31263101.34	12475356.79	20073268.6	27989088.43	14799821.32	16305379.12
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24192008.94	27015846.98	15678755.64	13491412.9	20647107	13702532.44	29986063.3	20245296.8	30102703.88	13089948.87

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31388369.1	26840534.79	27531821.53	15798902.94	20654530.76	26282404.58	23262533.26	27286425.45	24874526.82	23153697.08
11529527.43	8342526.684	20431827.6	5250460.44	24067930.62	7250620.203	10715551.63	9245679.635	11217320.71	7414967.729
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8470940.015	18064997.71	7800584.378	11313936.71	7240508.854	7236560.443	6605198.017	8234851.945	6574167.193	9408879.851
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16160923.51	18849960.01	13520201.55	10131818.67	9693641.702	12855716.14	12217102.1	11138278.28	13172923.69	13532284.42
10680449.47	10637893.4	8000350.802	5828416.221	9023771.025	7458164.758	11550555.46	10037364.52	9884772.418	7861231.98
4401720.6	4439189.361	2827436.36	10845708.16	2528308.425	16929819.53	3918214.186	15761920.61	23878774.91	3017307.865
8037643.67	8954114.775	7846376.46	7035123.459	9336314.549	7392266.568	7824325.954	7458034.485	7600169.79	7671277.487
13071832.98	10991458.46	8117887.481	5397131.234	15480673.89	7383418.595	14443776.19	8094151.479	8595096.665	7634612.506
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5098814.549	2431171.895	8011882.339	3957796.91	7150880.372	4529394.853	6004435.273	1908472.632	4267033.9	5802085.789
6557987.339	6961114.612	6185706.762	8726359.035	4209024.935	4896911.895	4670734.949	4357693.342	4496586.032	5695712.088
5181650.061	7216342.625	9133098.211	1326044.911	558955.0229	1304114.581	1118952.952	986286.9259	690630.8054	2779223.147
6733399.744	5319953.479	5964983.256	1909187.617	3129488.707	3686983.112	3247243.167	1556393.81	3898696.758	3280913.161
7449129.61	6578982.588	4809068.005	7191677.319	4656159.727	7069280.55	4634504.662	3495049.156	5896169.815	3839218.05
4921102.569	3423653.678	3668811.17	4535433.146	764551.6152	3456924.56	3745154.604	6931380.104	3946331.054	5090799.296
3370893.085	4033314.831	2649425.668	1358299.272	2579170.466	2247504.766	2285317.847	1559229.977	2194754.644	2184071.01
711905.0257	848723.7474	641346.7566	630930.0854	994629.9039	945243.5255	1296128.394	1194675.761	313454.0088	860109.4922

pos_L_HWM2	pos_L_HWM3	pos_L_HWM4	pos_L_HWM5	pos_L_HWM6	pos_QC1	pos_QC2	pos_QC3
3316924501	3995666834	4821386074	3776572802	6695426748	5280161998	4518805300	4725785893
3284378717	973784075.6	2450265630	1162140637	4529906931	4201531405	2583890805	2408570947
1784574642	1458184856	1752152457	2739174408	841851806.6	3069478539	2222366942	2113888730
459431027.8	535673839.3	1151476382	459693508.5	768125896.2	943671933.6	893383629.5	903062513.3
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1846063021	1973108193	852509039.3	3840922206	1005450270	1326475885	1903188326	1832708629
1629312751	977419410.2	930447449	2632337349	1254829908	1496195660	1926896822	1868847557
246085390.3	73975140.7	719473322.7	77605921.38	54692375.16	344923648.9	267787942	276088340.8
749068864.4	753167642.4	1126100822	445677564.9	1471869915	839117444.6	953926040.7	968741286.9
1095425175	857550101.7	599456889	1250537720	372727649.9	1401799454	840832364.1	923798357
757255651.3	2278164146	204602537.4	532738852.3	371228826.7	512871935.2	547291060	542156682.8
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495814755	734084740.6	559346897.3	483736795	1056671839	482386763.4	511216319.2	514751667.2
256725632.4	299637565.2	420511922.5	245166073.6	409734712.1	312849676.7	435879026	390722298.8
435202715.3	717256319.1	331139697.7	562796988.4	351238406.7	427330617.6	587039757.5	585941031.6
267716486.6	158653957.4	126662659	251849972.8	451223736.7	330545923.8	319472490.2	287479877.5
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623097927.3	486172325.5	462531427.5	482783296.5	602507752.3	340989720.7	403626851.9	421953985.4
445134405.3	464865557.7	341739660	364574140.7	394943008.8	447222667.8	326166056.9	266104084.3
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389203114.2	241775487	140192398.4	183879976.2	203099545.8	246381578.2	252119988	290999859.2
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66766244.36	72721478.73	51533604.1	35465453.17	108720320.1	70653635.23	68363335.18	71983903.26
228637011.1	55654706.27	144417623.9	49231739.83	59214628.01	86015565.31	68113995.94	63138726.45
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34495885.24	38032407.75	28179505.86	24060875.18	21105949.37	38937024.96	33934638.43	34760765.25
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43164502.68	59664489.12	25291798.44	89858343.94	33733912.48	43172986.86	57622994.36	62063753.75
29643889.84	168831165.4	9884517.769	39600495.94	2544891.708	23262484.45	25920944.53	26549921.57
11730771.01	102820082.6	3065552.188	11692740.56	5004099.746	17455886.44	16429497.31	17427252.11
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68282416.7	43559291.91	41043338.58	86017379.79	52535871.37	67790353.97	68505008.16	76090566.24
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71437203.14	73919107.65	53137620.02	56074011.92	74406129.67	43880144.13	63002826.75	66350361.73
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40239739.15	52085024.97	23966419.53	13428126.42	56456935.71	26274836.33	26742065.44	44894290.73
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37464593.24	120877245.8	66411836.64	24201863.48	136036167.1	85735381.71	101993608.9	105550527.3
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118417346.6	126861833.5	54845107.84	50715516.94	284183982.5	104272428.6	96394809.23	103028884
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210063684.9	91936752.18	155762588.6	213031925	91312131.15	91771766.04	90687473.91	80318654.58
56262317.67	91686135.64	44377877.38	18421178.5	55921768.34	92827268.63	55899140.47	48977129.96
24344518.44	133253825.7	14655115.69	4382722.091	6215891.066	20553694.56	22867452.88	23042076.71
145685396.9	35729002.14	49241290.68	161191891.2	15725026.03	18914255.63	21719259.42	20536139.42
62478896.93	44269655.71	41513935.79	50904255.49	33052039.99	73950627.86	44842635.03	60382215.91
49725209.1	67778530.3	93399749.59	60251503.15	89177455.21	58521534.84	65145416.74	62381258.55
44921727.87	82302779.5	32132661.46	55353170.3	39384824.27	49911139.79	44270310.15	46330049.62
72434059.1	54906570.22	80368895.48	65796783.81	55302790.93	58669751.02	65145810.27	44439982.67
62778560.33	106926822.4	33685365.76	54263466.27	33152953.43	18363893.98	22701565.67	24416601.34
12626620.44	70711724.7	1758766.868	4670981.689	11162421.42	10656504.85	13169163.99	13362018.06
4100561319	4041254631	2714568664	5549395560	1681510540	6108579389	5200035241	4719294029
921793853.9	499032444.8	320384367.6	1402807727	350877295.6	1880681364	1287899797	1161367244
847303541.8	555980294.9	817459298.5	545072065.2	447979645.6	694106782.2	618912412.9	1102327813
1039873214	639758351.3	992286641.1	2004732256	606490146.9	1662305943	1632717372	1293491163
208741002.8	842804110.2	1052887990	490866087.1	1502321245	1157855969	870738669.6	801186151.7
1178183413	1328079322	982218152.4	1690543131	1651977635	1204335006	1421987033	1441136392
379403553	2644518978	157134572.7	275177612.4	307132125.3	276570835.1	488306295	505447284.2

364358549.2	238929519.7	123035586.6	492216785	154254406	785747693.3	491468905.3	502683504.4
481280586.5	353300704.5	275989979.5	725433900.7	351687787.1	762700206.5	584194764.2	519906612.7
812152211.1	863803616.8	482505291.6	823386396.9	709045820	1045178377	768344158.7	724366976.1
572228512.2	692388441.1	32916758.45	308139094	89198172.57	420877463.3	338009146.8	324137610.5
16430115.04	20466148.92	18154028.01	10733128.04	8503075.142	132825340.2	172199093.8	189675545.1
636069885.2	1042067258	314616004.5	534426919.4	927580977.5	558733110.9	768734733.2	784011527.8
252827560.1	193989220	811177676.9	293188237.9	169178746	272780222.3	286539206.1	250531549.8
226044749.6	236504476.9	35462178.29	275413179.6	70291776.32	204502617.2	237689668.7	244537213.2
475603522.5	294004112.6	270794758.2	323704116.6	406092879.6	313423151.3	419895314.1	381747219.2
509757593.8	330133726.2	321106141.1	400960531.3	247167480.5	377177974.7	442098077	462363537.6
586642952.3	129431080.6	51624894.28	107358358	21231382.4	87238567.66	112670084.7	125708915.2
749362837.8	596557473.5	501259425	543905679	662636248.6	434594591.5	493498724.1	517176068.6
34761402.85	12435996.35	53050302.76	63568987.07	88601285.92	189371422.6	174990862.6	180729629.7
612017770.6	293530984.3	42751697.81	605218595	464068100.6	250465565.2	244952025.3	279171922.6
298979602.9	321305915.4	281328736.5	238263947.2	265226300.8	355106875.9	358155224.8	325759535.8
359962185.1	584364115.9	342055819.7	331303625.9	385748227.1	234774951.2	329116372.7	339550869.3
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154513877.5	138079152.2	153524039.2	92078655.66	102779558.2	121585208.4	168844809.6	163939671.5
274759845.2	447695193	461597125.6	309363118.9	469123992.3	258533951.1	374398563.2	365895256.8
182772279.1	134962108.9	111441901	268624273.1	110635270.9	244968995.5	283859671.7	262675007.3
296447588.1	488841520.5	465051571	361327552.7	465810104.4	261058001.4	377398025.3	422198668.8
82565501.66	73227598.53	471051274.4	116035374.8	53420562.74	164883088.4	123615805.9	129311050.5
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419856800	177640036.3	302532045.7	476567538.5	564452923.7	209190111.2	389680518.7	335178646.3
241261989.9	173600566.6	64973573.7	250755679.8	74375985.22	275244310.6	196868353.5	183371853.5
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44426469.76	360641896	18351858.49	106340662.5	75724801.22	82088641.88	113712658.1	120517784.3
73982433.36	134644829.9	151619261.7	72390428.06	203430347.3	86563130.27	135311958.1	116821989.8
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158449986	262225545.8	254888542.8	188217289.2	281345176.1	141030607.2	208327714.3	220457583.4
63020042.94	166783837.1	42106983.03	138318722.1	45435009.42	126366834	99900663.59	93237829.93
103252565.4	78996067.77	67777527.75	76297098.31	24289544.68	85639856.04	94087654.31	96003924.19
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70737229.11	165612292.7	123194378.2	76886332.45	136949522	176447548.9	126787234	113644319.8
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152492695.4	53527589.42	27491815.91	50733529.24	32492136.43	111955027.3	90646451.65	81440061.01
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21188464.43	43094704.24	19741912.62	32232701.3	22937718.52	34719068.95	33473467.7	18270532.39
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150067475.5	139332871.7	96424254.85	115255324	98613214.97	144952339.7	141466292.2	136573973.9
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126406503.2	137460666.1	99269129.29	86533759.68	128613270.3	124231227.4	113674966.4	102588231.9
33326119.47	58342768.94	31635912.73	34730836.47	28035181.54	39375002.22	45791018.55	60385763.09
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79869150.65	123543123.1	79009003.9	163318143.6	81835270.26	96682658.58	107205803.6	96611208.34
10825296.01	10534943.05	6590583.836	10592410.58	10569381.97	31845827.9	41091092.55	32135127.32
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53410370.83	48903121.9	44908822.34	73036800.92	37400260.95	62139909.56	66677528.82	61492299.22
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166151514.4	147023109.7	73990706.1	110434892.5	116987341	70830738.27	92581165.22	134629429
42678661.39	27399073.58	8949064.878	23075506.41	7715651.789	27927201.12	28083002.56	28653033.08
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94305620.04	98841850.76	80564877.65	80394125.45	86437691.27	68555432.02	80652277.89	82706277.73
37757464	217026862.5	1135718.784	116483014.6	27839489.1	50322255.73	49606567.41	49225885.12
59811045.22	32537084.15	18470085.94	34385197.47	14578007.18	34195891.6	22017663.51	45081641.83
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70447626.53	81032149.28	20488718.79	123221831.2	30863840.43	91099854.67	74685987.51	60072185.5
53848148.12	65908839.9	43163861.12	59397404.12	51105205.14	43129429.33	61914384.62	70289234.09
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56137560.33	90611449.77	68017126.1	50056913.29	62114782.24	70766162.86	66712086.95	68162154.27
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72239895.65	104888610.5	105556268.4	69987718.64	110256438.9	50892539.01	87490162.56	80043057.65
3263950.763	3545998.828	2137110.139	3030513.687	3370232.567	26866237.47	16937157.52	16823648.24
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59176329.34	62398473.61	60362799.62	55994328.2	129688879.4	56195367.83	65209673.27	30908927.84
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68187330.72	62907931.55	58504720.8	54680330.67	92528944.93	57778765.72	73425057.91	73507585.68
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75473639.99	81539256.85	59475120.32	65444508.42	81858953.53	54553724.91	65308034.23	70495026.22
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37521779.86	35973394.69	25862007.52	45396132.32	16525607.51	33723917.86	41659126.74	40900970.44
94019248.94	116342948.6	69062304.13	68602090.58	78367488.68	25819678.18	32196656.5	38382044.57
8836261.567	86932314.24	25547198.62	59291093.59	7986073.447	27316783.84	28466390.96	28288416.81
30081004.46	15232122.52	38537722.49	111306647.3	19907519.63	35825248.5	38339034.88	24129791.85
65633393.22	45131654.75	25369544.05	40884978.73	31580144.3	32601520.67	53521154.97	50688118.75
16528255.37	30243272.81	27928115.02	29365806.18	51140987.58	52484562.9	33354681.54	28442089.17
62337911.59	43678645.12	67171376.6	49142544.72	63132726.04	39834305.96	44229527.79	40755152.03
5854420.595	40715487.37	61352827.8	19394841.92	87417414.93	22967034.53	34026073.6	37364439.65
50009328.76	49954588.99	36320106.44	44298011.1	49744671.14	41364914.92	45105704.06	47002554.85
34364850.05	81464021.26	22927861.24	38237343.5	21420037.63	26541138.45	28852873.61	25561039.05
25949835.3	46746925.7	16665564.01	40666487.18	38944488.41	27535754.15	27927052.14	32114868.57
13727054.75	46190214.2	6052692.063	7928933.533	12617363.83	22051466.49	15160077.98	14173436.08
48960546.5	9786960.859	6818341.831	8514260.523	12735383.66	42632988.97	42486403.52	35706012.25
41182922.45	34172067.89	29456207.25	41308955.9	40642527.39	33441075.43	33348905.4	20423653.61
24147431.11	35400170.22	8939014.159	18559033.82	12069338.65	25203647.32	17185322.38	15732402.68
46235714.94	48322220.43	34279714.4	46249164.88	52471587.9	32380200.47	37119406.85	24404804.99
42195405.84	27451580.76	29098012.92	42019435.25	26187330.36	43977050.46	34956715.84	42496115.91
39177271.64	47793539.12	4127193.272	33483824.72	51261267.87	47574519.61	43459308.3	41409408.54
104739536.5	37451797.69	42646770.07	89250288.71	52703485.81	28268308.86	31377674.78	23037610.65

35811146.11	39889379.51	21904350.84	37890057.45	44001487.01	38255703.37	35046182	32586413.06
25238256.43	1791255.302	1570460.113	2029491.455	2569787.342	2532797.807	2442529.283	1717992.075
25874981.43	22983360.63	22610099.68	24170464.06	20374987.15	35853912.27	28816749.69	27743997.16
9529584.317	13013211.92	10781201.66	10690256.82	6935361.734	18782009.12	14726775.56	17553982.51
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19293660.35	50685606.07	22061270.52	19704587.76	17288209.65	22466624.19	27330773.33	32072740.58
63207051.35	32025463.11	35354007.77	34897058.78	33023194.99	34127846.27	42886554.67	47936011.54
1365615.738	18089699.89	6870461.458	13548066.5	865768.8228	13604220.89	10659174.17	6359642.367
38567436.64	39373634.96	43790717.21	37200577.56	73257322.19	32227149.55	28808501.37	37825696.68
62643995.91	59618106.65	35070533.27	50158195.37	48730023.35	24914120.72	46059713.31	46850032.71
4730993.313	10836672.08	55648237.2	21729247.03	3832530.674	28434827.33	22240703.2	20252153.66
35230575.29	19428295.37	23020719.4	19498880.65	19226413.11	18313684.94	25698654.47	26954358.24
53676856.64	67409605.82	36104641.89	51531184.89	71899208.73	34260599.86	46825866.45	50165010.52
39252508.87	41083527.99	25865026.33	25411698.97	39932133.22	26212863.95	30081429.13	36707422.78
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67103731.11	56717570.89	33887494.85	38913149.03	57848817.84	40109326.02	39320300.67	44274461.34
16698075.93	9750560.626	13138905.17	13648651.49	13028387.54	23826284.23	22080535.23	15530203.38
37253188.85	29648277.4	22742636.17	31396149.38	31432463.63	26771424.59	31875773.92	34062245.86
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19814832.38	4667506.563	22785481.88	17835730.97	15407118.61	16832335.43	19548010.31	23372806.14
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49521108.4	40068453.97	36844653.45	48846134.26	27558395.99	32309516.85	43604208.17	45505935.25
26531106.23	23412202.18	16908050.38	34683410.6	22772270	31019939.19	29601209.97	29634018.56
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37657878.6	27966047.03	32250741.62	34750695.57	30612640.69	20488769.08	35784927.83	36158564.3
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25154101.82	43786615.71	28343647.99	33497196.91	30809178.1	33198975.22	38457369.07	26257987.06
33423544.42	23829326.09	17349588.66	18626637.53	21793625.98	29547247.1	19654830.1	20947335.52
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24370850.45	23023681.04	16527688.6	16714504.44	22628771.9	20187426.29	24256298.6	21441514.22
39607648.95	18492220.88	6464608.43	9946419.429	15076414.36	11252600.85	13995414.68	17105567.78
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3885360.915	3603162.797	3098143.666	3487744.111	3530864.779	8350925.447	10723550.65	10791432.79
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18747367.14	74296412.56	7440110.841	22176458.29	12317135.78	10760428.33	16054450.81	16905090.98
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32498032.44	39523057.86	14316911.29	18465658.46	21513154.03	28432303.56	18515141.69	16069207.41
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17697641.94	31077606.33	31002104.13	18741509.04	29988004.52	20894705.88	25259235.6	26171712.89
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64575736.99	6310078.458	2189802.491	2127019.041	50746144.5	10734946.91	7884385.954	13240719.9
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9534294.502	10670332.73	21405972.9	8841222.655	11606993.42	9737232.43	17390830.97	13402319.89
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32128184.69	34332113.91	19458996.12	60143038.61	29392631.12	14132832.14	19405217.52	25143631.45
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37237323.18	30545133.48	13051431.73	17314005.15	22050316.4	16285181.75	13609994.73	15256623.17
22419431.09	32642942.75	35769227.62	32977667.21	37336149.21	25871448.62	30519850	30427409.17
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39088002.62	52325697.3	19281427.5	29460263.36	32442042.08	26726347.76	20784142.75	20341219.51
17823230.31	19694437.34	14059120.85	22719885.92	16950998.21	16380210.29	16933578.48	18889856.74
4311103.877	13498052.65	6415820.017	2059127.954	13322246.82	5075962.333	5125201.012	7148732.36
5520177.807	4944804.69	4161960.579	5623530.357	4921900.308	8300326.771	9856966.458	10379288.43
19977346.26	13899638.08	7846474.957	15021203.87	11151730.71	13106409.46	15542458.58	17848208.98
636788.909	12135739.8	12171599.61	11268403.59	13731870.6	20757284	15466541.96	16200445.61
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10729995.11	14256922.3	4319194.832	21966246.86	9761223.01	21743677.02	20720681.49	21268021.4
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20919302.67	13272184.44	17158687.95	12466517.17	19042529.11	12312004.5	16363351.67	15262784.58
4606276.996	3924064.794	3514132.421	2185330.317	5546140.796	8032593.166	5339678.717	3902065.216
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10862861.05	9366147.537	6563185.666	17202801.91	9092095.214	8017122.001	8221366.919	13551348.25
7062064.057	8698293.16	11760776.04	6016800.74	5828408.338	5922638.146	8396015.982	8900323.97
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26458313.13	16407347.49	27900681.71	39012201.48	26617758.83	17198560.21	15565490.25	14736389.42
32891989.89	14912077.19	14176633.46	32882830.91	10763878.56	10369094.06	15486999.9	18796683.81
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6192432.802	5955182.259	9609703.111	12493212.61	2931903.909	9336718.613	6834850.481	7665218.175
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3346934.375	6133905.18	1881763.29	8856311.446	1931800.904	7585947.502	9773476.519	9954940.911
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26327938.13	32236458.87	12875607.18	21613298.87	30696188.28	13476694.92	20403734.4	25322781.15
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6146799.329	10072745.12	22676034.58	25308854.13	8319851.818	7610942.815	6279028.917	7739513.585
22177803.62	6588017.072	13004640	13792262.38	17753731.25	12578356.57	17488429.85	17337871.28
2457209.514	3475814.948	2824075.765	2992737.762	16697879.78	4392581.018	5566452.478	6674109.538
24167605.65	21602152.16	9053146.412	29180276.81	13079851.61	16464258.99	17396126.71	17696789.1
1759307.38	1821863.537	2240791.995	1407881.515	8415377.594	4592882.475	3406512.448	3621183.756
13829953.33	540084.6761	391408.8602	433207.4934	2404760.941	3114906.852	1784226.696	2287164.678
7151784.156	13979814.36	18034701.73	7492121.751	8905476.743	9263996.952	10129208.61	10183871.37
7789588.504	5936136.24	3249790.76	6910510.174	5359779.393	7247737.601	6596218.02	6726369.164
17550721.61	20522443.62	16509170.81	14016252.2	21120879.99	15043961.45	17393116.39	11012959.29
1323284.266	1505733.469	987051.9251	1310238.689	1450777.978	3433802.781	5068004.252	5161821.006
2998321.645	4803492.988	495314.6815	2984536.13	1862212.917	3354881.464	3151723.576	2798641.172
15072809.75	17751681.86	18701242.85	24280891.15	9449063.968	9284587.602	7134584.56	7621363.109
4003723.876	2719762.981	695001.8745	3742270.952	417895.6596	3553444.796	2904712.855	2818604.394
10586410.99	30871478.87	6741843.202	8883512.685	5262186.624	6567048.217	8428941.653	7878950.49
8293117.228	11574876.6	5360052.458	9124065.154	8339619.151	11917579.33	12596414.27	8882474.664
1955281.679	1668896.44	984464.7925	923311.9652	1590070.301	4046982.621	3919192.848	3649916.724
13727181.52	11653599.93	11920887.62	17475141.16	22899364.01	9285975.14	15094879.77	18501056.82
3942948.681	4367075.678	2586068.35	4772408.353	3455788.893	5547314.524	6200064.915	5419231.167
10377218.52	5484673.803	9498278.607	8526384.828	12792698.12	13210085.63	11552496.63	12173801.16
13949160.2	6651082.209	1858228.672	1322925.06	22074317	8171743.762	5773539.848	3932623.657
8746206.824	6613305.757	7413325.547	8854069.942	4724638.803	13157365.52	6973951.434	8032167.165
11565267	8320515.467	2404645.68	13380112.66	5315218.273	4219694.132	8791955.963	6311671.296
10380245.65	13151193.45	9080598.034	14365001.96	12280778.81	8619913.348	13326477.62	11575204.44
2989488.266	1516438.591	4172164.228	1493942.447	3959591.435	2541858.146	2915220.371	3528674.271

7885938.165	10498412.34	6978247.977	6424091.114	8770949.115	12703856.51	9906322.485	10158266.64
18214639.1	12885485.43	15265797.25	15211077.4	15274846.73	12313393.18	14509394.94	13862385.98
3206899.167	6234714.088	2618675.772	7515003.43	2331077.544	6297509.224	5004808.673	9460706.765
3727478.246	3408534.55	4698669.639	3415580.575	1886822.921	6345105.271	4252738.721	5438034.978
17332669.14	1336345.509	3412123.598	10637674.49	891881.7552	4630991.989	4578332.594	4016942.591
9463404.349	5360882.165	15316371.05	15815443.35	5477738.472	7768652.718	5931187.549	6070194.839
1303757.604	1400759.7	2812895.856	973101.7615	1093319.384	2964854.823	3353041.536	2199163.682
9947481.752	17371652.6	1350572.84	3385614.176	909651.9153	2674431.795	4067266.726	3975033.089
1307408.115	6948610.442	1948261.688	1513229.842	5347574.614	6242429.697	4994890.392	4806533.202
13605367.37	12435035.11	10952860.45	14809096.48	19484901.86	7330006.139	9928769.024	10901674.56
1672696.556	795967.9037	3132047.815	782933.7686	2785128.512	1707320.49	1455930.446	1813258.305
3215892.264	15726258.5	2606664.977	4097114.559	9748894.069	4387757.698	6017658.208	3419157.29
4723570.472	4794534.105	2163687.682	9805550.403	1445838.204	5554261.06	4694607.615	5548107.767
1237858.891	416275.022	1483335.108	457212.8694	18988389.11	944273.5354	1148253.633	1693313.215
5120986.202	8010580.471	14480379.29	20572331.28	7663732.192	7935133.228	6498572.806	5851496.716
7234898.088	4452721.642	13731228.02	4328784.192	2016276.929	5734056.289	6443083.718	7206406.849
12942094	14546812.55	9163789.192	13322848.23	15514824.35	9631975.39	9903000.91	8515391.706
6606432.816	17739898.34	3088715.065	3957852.609	5039114.349	8480089.344	5422061.671	4898827.438
10153751.11	6516256.024	6191788.459	4083931.184	7830641.074	7842253.716	7669935.19	6819043.326
1917016.949	1604934.256	1662294.104	1469327.597	1802631.906	3021117.009	3199371.82	3466163.289
3997301.285	21814980.35	2061636.535	7679255.039	10557444.8	6408669.521	8069556.777	7541326.366
17052045.04	12959607.32	7861712.485	13057732.67	13834016.79	9070913.163	11184600.33	11886407.32
6318106.336	7333796.478	5535057.94	3371650.693	6143082.246	8153672.032	8067230.575	6803676.218
9996129.535	11540781.15	6641992.304	9653985.722	6766740.563	6849772.67	8123592.831	7033124.562
5041036.218	5135112.518	4939796.503	4300093.312	5249611.201	5657412.818	5545841.105	5900393.476
5144124.964	6359998.755	6022623.66	4594071.363	7337401.001	3397133.422	7368034.011	6370853.237
4853811.145	4836294.795	4325728.998	11887214.08	3366760.833	7618401.53	6410520.077	5678298.379
520359.3147	762561.4462	1570842.826	1042662.12	484158.1956	1379191.206	1695059.994	1621293.584
8187512.414	14924231.25	3959327.673	3985329.382	7839413.283	9710286.554	6952272.508	8927256.073
6605977.988	6045540.772	4016118.601	3572079.362	5538070.447	5864102.114	5508723.878	6380398.343
4441518.421	3218410.156	10501525.73	4571777.547	1647788.407	3825806.566	4654910.67	4777692.642
1945103.094	1063415.261	364779.1863	9810791.23	540849.4724	1721728.567	1394051.29	1308274.717
3572249.85	3129646.177	2068664.124	1940761.513	4146053.834	4439919.543	3881073.924	4351165.332
7325706.441	7643988.913	3088525.462	2976960.928	2389523.786	5694823.067	4968788.779	4787074.599
5561826.363	2941355.687	4146061.543	1369434.877	789098.771	2658831.279	2448422.575	2354082.869
5871466.968	6131466.961	2066700.029	4959595.193	4770822.436	8871259.571	5345402.602	4730706.941
8727417.149	10214255.97	7882884.714	8046523.523	11002148.76	8861171.006	7491985.584	6617296.948
5554067.33	4723458.633	6768088.984	9049670.128	6517156.971	3981128.735	8239666.164	7043219.32
5297829.688	4641795.264	2683309.025	5112108.004	7654083.034	5585847.553	5764297.687	3904395.326
1842008.587	1933969.197	1243482.21	1787832.13	1415034.809	3058688.52	2893835.794	3925166.464
2704135.378	1132651.707	3650303.335	1511510.811	7772885.714	5873640.177	4039171.11	4214089.269
3445097.539	17805802.62	1467790.7	1906477.823	4824335.445	1930110.514	2017100.036	2884788.958
3373906.036	3738133.532	2565202.309	3211104.959	3238719.378	3002659.965	4404781.131	3245199.896
7541235.914	7771185.946	1116760.998	9494805.31	2861500.153	5431827.398	6819969.767	5402717.848
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6128964.437	3722757.329	3378435.605	10128895.95	3994581.865	3224343.759	1815659.858	1888858.294
5419675.814	4652860.475	2713490.294	4294528.249	3659780.427	4705246.661	5332932.429	5742923.411
4782577.783	1838123.314	3691985.266	718271.1361	5141793.623	2870929.992	2647453.306	1817995.276
5609711.036	1688399.983	2976045.771	2977161.603	1699037.74	4296446.622	3386292.262	4572246.328
2471786.351	2607164.346	1616805.814	5365638.182	1877452.039	5641709.709	4224538.747	4021708.144
6084657.869	3080664.248	4348955.353	3187264.271	5611509.201	7706939.992	5274664.28	3804073.8
6776370.769	4945538.351	1334268.543	4241497.759	5754640.441	4720187.545	4603749.663	4518097.219
9458507.506	7463647.989	5678586.686	6152914.145	12071860.09	6891267.967	7701689.618	7745680.837
4113748.334	7839325.6	6428215.77	4807698.103	2775325.898	7307406.974	4959048.846	4753637.195

10444323.3	15635855.88	2463420.37	13257748.73	7919414.103	5352282.931	6521560.372	5460190.079
934386.8034	1145425.015	661848.5145	1012658.458	723014.1132	1804188.175	1260074.625	1905751.316
7227523.648	7952257.207	3286449.594	5380780.924	5986288.312	5522268.354	4798310.161	7176226.908
385103.9822	450308.4068	2588681.404	432137.6709	4739937.703	2273469.218	2076769.934	1845430.158
12516039.08	4007805.069	3098087.477	6800687.308	9311559.791	3592285.221	6037058.465	4139533.203
8326291.07	5998768.782	9026892.011	12308936.16	2661353.252	4582694.701	9847462.032	7479314.368
15625196.47	2546451.463	1986969.286	4602791.111	2469682.053	3366776.784	2856207.717	3420220.582
4434903.662	2361947.626	1990112.078	4258359.732	1273666.175	3326141.742	3885843.86	5387435.012
10342697.67	8714556.528	4839028.883	8036828.151	6695797.282	5803576.214	7359462.104	7908215.913
3429856.799	2590044.916	426479.7962	2954454.756	2191916.432	5038550.324	3070807.156	2866622.227
15007887.03	4920538.282	3590509.974	1739959.725	2585285.459	3657195.27	2872018.074	2806058.93
5651576.446	13987530.92	2572392.472	6788996.578	4718082.104	3645326.213	3928234.634	3983846.491
4654764.442	2032982.719	1412794.686	2215888.826	1030817.37	3910188.019	2786556.889	2869543.25
2896601.624	5866264.031	2721810.17	4191173.812	1961635.482	2629115.068	4672830.566	3738533.958
7904861.508	5511137.847	5113332.246	7067196.565	3728929.544	4130744.094	2164010.676	4697987.257
4301454.609	2690788.237	1998858.088	2845542.923	2283526.25	2774555.034	2512468.212	4035250.939
7894049.096	6788054.213	5040379.644	6322841.696	6221171.902	6369008.733	6093652.068	6030488.516
3960913.846	5565893.705	3261328.157	5306827.641	6132924.501	4440622.7	5041668.462	6266455.59
6989876.939	6657580.7	2948661.604	2090313.04	3237171.916	5931275.15	3585211.836	3421828.546
4550522.773	4623284.704	3450879.198	4086218.181	3583387.188	3109422.81	4045193.639	3782347.962
9699810.066	12964278.62	3006957.258	4878113.717	5709252.313	3179174.975	3944075.453	3663623.423
1848706.486	1170824.634	1000321.311	1615638.594	647483.1483	1509701.278	1226395.942	2054779.183
2966148.056	5868172.946	1664250.288	2527523.275	1349756.906	2952918.648	3436569.796	2547389.806
1890167.158	2989133.476	2697437.695	12778882.18	1445427.487	4088501.776	4427944.458	3804940.327
2551231.363	2164354.315	1823900.107	2830051.844	1592989.502	2243111.747	2842228.778	3433847.538
7020663.576	8153987.993	4948358.311	6580930.078	4033983.235	4430369.69	6658287.355	5084863.847
4632127.124	4922053.039	2804162.799	3935192.16	3410147.598	3863739.669	7398601.408	5319626.493
7275934.499	2950087.81	4034180.494	6936299.2	4205592.836	5872459.574	4602907.736	5529199.254
7717826.161	4119488.655	6429235.181	6732028.601	4415339.084	4356992.415	5383169.751	5707334.276
1879978.021	4822279.064	2157379.438	3215698.186	844676.8188	1848973.742	1596042.872	2152978.679
1891196.64	3431040.803	2444737.576	3554315.094	2923922.025	1638145.73	2404529.13	1300725.69
7553706.515	8399853.749	3201247.299	8710113.984	4157088.456	5675012.228	5149196.529	7160816.509
1492855.449	2859303.974	7242999.868	1753107.752	2028560.014	1706375.349	3402845.983	2557057.582
3448148.072	6414443.463	2855253.237	4013118.775	4117812.332	5288366.928	4714299.271	3406085.104
6040816.091	2185557.619	4169754.235	4942724.518	3672120.069	3047442.068	3157673.467	3020408.706
10015887.66	9844430.351	6684544.764	6310379.564	5261023.815	3515957.002	4330520.116	4582631.518
4011536.238	2793978.981	2322580.18	2214517.022	1857985.424	2213573.897	2369636.73	2533879.921
4340874.374	10628408.01	2116978.714	4941060.751	3258297.784	3371811.521	3434962.436	4816128.003
2734126.136	4141612.356	1043325.333	1224901.145	1066312.626	2141830.097	1267360.021	1890421.659
635671.0146	688557.1869	4010330.482	1267080.112	4739870.801	520231.9704	511714.7526	492068.2431
718683.4199	2940503.874	594951.1449	1174927.417	7935165.709	2180624.462	1387277.077	1115637.16
2672444.707	2096161.11	269603.5722	2257532.245	2080355.793	3013979.84	3037770.091	2306749.987
2530565.351	2126770.682	1755362.44	1878312.463	1194032.819	1764385.487	1453881.284	1565106.605
5433800.645	5486684.49	4016533.197	5302711.566	4595442.99	3932768.179	4691985.264	4685127.552
3073714.906	3866566.075	2465939.547	3364145.533	3141135.637	3029787.226	3712722.991	3912391.418
2202754.42	2097186.065	2362815.749	2165987.845	1340509.685	1746275.393	2186087.788	1965551.32
2546992.627	2946896.465	4466965.41	5168920.488	6117619.171	3868583.816	4408965.693	3342027.351
1490146.493	1688882.47	685360.7582	731561.8902	1250436.413	3459986.917	2216996.349	1850975.988
4600410.45	5269748.494	3266252.723	4325903.189	4557006.908	4333738.897	4516920.116	4519187.222
2145108.618	2023398.171	808604.4531	1797121.125	7202553.406	1333296.683	1859878.21	1716471.236
2684471.555	9118069.67	2586305.799	4012903	2036234.661	2226033.218	2270165.093	3096344.151
2421703.575	2142405.689	2725723.627	3469399.465	2584046.094	4214446.752	2826044.607	2709201.466
2231238.482	2386768.122	259062.0334	1728944.79	247532.8465	2658334.456	1753977.827	1343138.363
6269375.383	328062.7677	2371509.674	341281.3936	4501464.267	300774.7433	325223.0527	314028.905

1093158.583	1059935.166	884963.2692	1114178.433	1132082.053	2144368.043	1245414.671	1402182.116
2663189.252	4128119.387	2152643.519	3324675.358	2890786.296	3729098.182	4419207.745	3868357.588
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4109347.327	5409365.997	2137918.526	4130549.808	1707763.263	3320181.04	3505952.731	3238016.953
3209606.547	2536310.946	2128174.496	2575284.077	3017826.631	3222883.003	4187359.004	2067990.64
3786943.463	4150791.515	2897256.039	4374021.711	3785511.346	3870289.041	3379040.686	3260095.984
2813738.019	1665677.16	2227107.912	4287336.131	2167528.251	3274795.052	3267448.699	3597795.483
4279768.903	4341137.195	3124725.777	3793853.996	4231880.709	3759504.375	4094322.147	4035403.259
3880395.013	3890376.46	3254863.566	1943069.092	4127401.571	2415473.313	2350640.623	3007016.428
5159149.827	1455827.186	3855964.344	1616781.439	5933190.382	3386986.567	2493231.535	2863020.538
4377723.389	3796000.416	1450005.371	4168391.305	2583886.359	3568128.508	3012348.815	2277964.3
5319905.373	3609416.275	3939619.942	2966799.889	4716855.068	2605450.89	3900087.092	3346157.303
3812424.559	945159.7901	3063016.185	1910626.624	5274628.509	3136453.268	3215815.544	2429405.155
3837519.079	2122129.538	735957.6872	1869762.474	1493696.663	3422650.993	2140369.929	1714715.788
2528214.204	2291478.386	2354742.359	2103034.105	2885138.876	3181404.017	2693739.636	2087760.338
1906408.088	4459780.407	1480436.802	2243097.428	2873607.91	2427229.54	2641286.657	3215514.594
2948881.21	2524323.974	1200247.905	1388027.485	1902688.724	2161792.759	2959967.782	1911806.492
2318537.238	1169894.297	1648638.036	1203525.345	4583587.897	2928388.262	1644917.49	1644502.909
1144622.634	5305937.953	307205.402	372847.6002	340659.2485	796889.9267	1006727.925	854136.0429
975707.6628	1909373.472	1384577.494	918159.4289	660929.4592	1749561.692	1217935.108	1824477.276
386669.7224	609540.3386	317393.6391	561522.6084	463546.152	452017.0815	650765.8649	416109.2532
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979443.3455	1374445.407	784192.3356	1331221.409	1245623.22	1901689.077	1196133.479	1388331.092
300481.1864	323291.7103	146841.2388	200329.8541	169586.4789	581651.5853	501885.1141	348745.72
528433.2436	3173786.62	923022.225	2490910.174	726708.2833	1504800.413	1522167.621	2035474.07
2214868.783	1684299.979	875022.9982	2291038.947	1167945.252	1746534.419	2106857.17	1282219.761
452911.6182	3711988.248	299715.672	184258.3468	381562.8587	391141.6591	456609.237	309426.4639
1727885.762	1278437.402	668936.066	1622873.996	1134603.574	1492412.579	976517.0411	1141217.362
695349.289	1588066.871	728903.8784	719054.4735	1627184.151	1107315.772	869849.4079	1199916.094
825495.3159	585355.1432	1557249.805	522423.5967	1914396.022	653652.6909	727261.2214	768808.4797
517946.1118	440074.6766	370129.7544	477623.3901	429390.4066	414535.302	411344.3807	534539.5789
195449.1179	127478.1441	147880.934	1182850.171	174381.1712	178880.2401	137223.8559	111882.493
2637151.428	2058686.07	1122617.324	2640687.769	2147352.821	1172214.679	1594226.959	1644696.118
871205.678	758248.4685	244377.305	525837.0776	575219.9585	357127.6593	498942.2148	574833.0139
686107.1496	414753.6287	429756.2875	574906.0675	510574.2335	426309.3447	630209.5708	514194.8117
106392.1274	95879.85888	59619.63735	94270.90339	109063.6804	138742.0756	88486.67618	84092.97792
1169852866	1279193114	4212848857	917800838.4	7437786680	1520308425	954700098.2	1386359738
666303535.1	484924536.4	439351232.3	1021060950	552594548.7	1131752569	880941930.6	804888414.5
245657466.8	323136089.2	286519043.2	155336864.4	73670636.23	188655784	219584537.4	235391011.3
109070695.9	126439340.1	98613184.62	123405002.8	218949128.8	140187156.4	153610533	154939854.3
218878971.1	180192230.9	379075848	177341044.9	130740200.2	214726415.5	235932284.6	253129101.7
266096370.1	231272100.2	263498580.7	195716233.3	336923828.5	182272583.5	301517322	294848888.4
219129255.6	173587468.8	210149642.8	270876950.3	90818885.37	139045730.8	218915001.3	240886590.8
369666551.8	299348200.5	251858451.2	218956146.9	434579277.7	283860545.7	318667590.8	314058979.7
155223629.8	118053573.2	315301402.3	214559451.4	112911950.5	132012936.6	210308128.6	201656723.1
342451752	265442165	297501765	273151750.8	385726980.4	208016683.7	253197617.5	254120077.7
109602840.4	113542692.7	111064553.1	111878909.4	115560502.7	155826858	150975959.7	143574197
122283641.6	109061288.1	109176950.4	111814545.3	117660522.2	113616760.9	143429636.1	140939932.2

262953168.8	163440490.8	126335837.1	189002642.9	128070078.4	159055031.5	182457947.2	207536754
85369181.61	153649225.7	36049379.72	168593174.2	85987932.61	140840511.1	121080549.8	142756858
181785005.1	150761301.2	101551411.2	235976889	164757117	147824989.2	195554824.9	215565729.3
172142179.3	101360078.2	98356989.1	110402744.2	118192439.2	114288060.7	151652231.7	132557153.2
127663178.6	120321942	110541685.9	115944768.9	114669599.7	114430844.7	149360243.5	148443791.1
54462763.48	70076354.28	64916734.74	48102425.49	46832881.98	71636744.35	64318719.87	73551142.64
78401055.63	68100216.17	44003411.75	99461490.4	41197589.26	107362586.4	86832396.7	81086035.79
127498812.1	108440141.8	90643778.07	104679119.4	140481987.9	124235813	118738471.4	120870803.9
97199369.03	59893028.31	58417425.85	76452352.19	66190656.5	94208089.29	87057764.43	84875473.79
37793860.49	34561507.28	51110497.64	33201255.66	86365982.66	59441496.12	51300119.9	50103172.11
48731113.37	37443555.29	41842758.37	51612163.07	34327430.36	70408653.7	58967853.23	63885931.71
138773241.8	103317117.4	37728733.42	101350853.4	125568794.8	107103249.3	125714255.4	114481085.4
58104443.9	43329417.73	75880072.47	150090808.5	8472378.317	90771469.29	78422847.41	52853491.31
41235576	118456379.9	42354377.14	22749703.05	89832236.54	48778086.41	45250796.61	46291989.07
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31100930.88	31078669.03	26763918.9	35646674.17	52722202.43	47014334.82	56214722.14	47839176.58
29443348.56	33356447.03	30561235.08	37998831.69	34526566.42	57259866.76	48668896.96	45385857.21
39426495.38	88072705.63	61517470.61	59305863.98	38989183.3	45319788.9	44962660.38	46581071.67
42721308.7	49388486.73	72944256.18	60763811.46	30839242.57	51683013.42	58413180.43	58245097.34
75321325.11	45215077.41	48439665.74	39899041.74	52711757.39	56998655.53	59038592.11	56684252.87
82661969.17	46478070.5	52799675.26	53794681.29	26947795.75	47303444.47	50401341.75	59423035.13
70728594.35	97534974.87	88078448.61	71684142.02	92706090.13	52964758.72	71775612.38	81824929.67
25442385.19	87051641.05	11168333.2	93242725.63	4899027.227	57800014.05	44652131.74	43876383.22
67806227.4	41907727.42	3922021.721	17075696.38	1806773.287	27130910.57	19322417.97	25828372.92
15409402.29	12285536.78	9972434.618	10092038.38	14179471.17	21600420.31	29583320.77	26179528.78
24965802.28	29744458.98	24226698.54	23984455.86	27161616.5	22382430.46	24142595.23	29949191.99
60161091.98	41130631.58	35581856.09	36349525.73	40589630.51	56890731.22	60312660.35	57399230.14
41340126	25508854.18	35118502.68	44828180.84	5111946.042	48920239.4	51136072.93	51608229.99
25816681.36	40398400.56	77161466.88	22973924.95	68468605.91	27346939.12	52188641.32	56620214.3
32400185.88	53433896.85	20758108.45	17421341.83	16964670.67	23888248.66	35541702.03	29200110.88
28143431.26	37062327.34	29263066.44	36054609.05	43294589.87	27733342.11	42867255.98	48488368.23
52344581.28	40416733.23	27272001.05	36702235.33	29863591	31511477.71	39807064.13	44637080.92
58451641.49	82766679.46	40529085.37	45047269.07	59670629.67	24408253.97	49872595.84	41827823.5
43952965.09	46064010.2	30861086.09	51982345.95	84452527.05	48831738.71	38536758.81	37266724.64
20859285.06	41660718.75	25780554.56	34852225.82	26335561.06	48042241.89	40754431.65	33705973.22
40812653.8	45861542.03	16435411.78	53299487.07	16331839.5	50195495.8	32764506.96	34518491.92
68188626.29	62928291.32	52132130.78	18769903.03	54873850.65	47997245.01	33962083.41	46844254.92
18999938.03	22431029.32	28391002.11	24740661.69	7919740.763	35104538.02	19410538.88	24986873.15
23747563.33	26526950.09	17275605.67	18223999.01	27683269.28	29310505.76	26843666.78	23964246.45
78570246.44	86272823.34	54944220.37	68942254.93	62109274.5	36767627.61	41219426.11	61902808.46
27091904.85	27302463.22	13848959.04	18629838.13	15165346.4	29029393.33	24696678.82	21206502.76
29108562.75	1473023.681	34718671.96	5033758.406	3803211.534	33754805.52	37462384.75	23406085.74
6754854.408	3611917.449	5048349.085	9678939.863	4972830.761	22037181.78	12560863.78	12274728.69
14302309.46	20839394.04	26147469.39	27255914.16	37628047.47	37339316.57	34458964	26805222.38
13863327.01	4745996.605	11547177.99	10215439.42	9155156.507	14625107.59	14177257.71	8862458.164
25452187.17	27860423.33	19841802.42	12677302.15	32004021.58	25415138.02	26627788.45	19628381.58
17633922.29	13958235.55	10797394.14	16828493.61	12523115.14	19588628.65	17180834.96	17626507.54
19801775.48	22739899.06	18116532.81	33432865.6	20843022.6	17198026.45	28381518.85	23503900.86
19401487.11	30411593.97	21038573.96	16767193.3	23580013.15	26260179.66	22239671.4	24697533.46
7435788.424	8222119.527	14080383.81	8407377.421	4438306.889	10478525.59	8363479.997	8973171.57
16869532.5	14711047.22	14324570.28	25880490.82	11676509.29	18909777.98	16729376.35	15662076.55
16866496.61	18531703.87	20355855.36	20361864.18	23975362.61	19677828.3	19655740.5	26476044.54
11271551.66	12524896.4	10161194.9	8950568.51	9005900.48	13618538.92	12311004.76	12992028.65
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12228641.55	13597785.35	16182058.74	9732664.143	20936518.7	13203041.97	19528381.26	17513200.78
30264814.24	28497972.25	23275634.71	26696522.57	22436400.87	22535863.05	26509375.43	32439540.11
9780215.145	14008649.04	6150824.338	7921876.817	8228850.979	6145511.323	8765108.765	9237121.759
15468198.37	16011707.85	17513889.95	15550112.97	19084085.16	20003004.17	14090182.09	14207317.24
9932444.011	42055264.62	5893802.646	8781436.076	10462428.15	8464569.128	10125170.6	10834116.79
20292829.22	15975897.16	7709744.893	15563525.05	16963531.2	13819497.32	17863306.89	16520732.59
13207717.04	12582635.52	7168646.633	13362423.4	14807022.36	15880332.73	11545906.07	12019908.34
11099867.6	9891352.894	7553448.435	7581039.167	10516030.77	10808580.83	9375103.207	9117812.057
14512439.42	14526978.77	10665439.99	7171077.107	7643014.136	10580877.76	9116301.302	8662860.661
9233282.028	7558563.594	6585189.246	8231505.778	9218594.078	8239544.009	8044085.165	8217369.574
9205022.565	10306956.38	7229558.794	6942556.562	8482270.943	12442999.64	11032398.2	11213044.09
2249611.162	1502558.331	1766228.514	3350339.915	2924932.41	4757308.84	4338001.334	3089034.821
6423242.478	7817271.613	5087713.418	6983328.276	5674304.438	9503444.658	6454286.789	6089317.326
1481925.145	16625791.83	585824.1393	3034123.712	5216932.978	4215320.638	5120457.117	3467177.786
4152049.504	2247683.633	5087250.231	1913356.197	9750193.161	7292987.905	4520190.056	4701109.168
5924239.088	5536524.225	6662508.127	4724986.059	5169930.339	6579515.88	5654377.833	5060897.687
3780179.293	2650037.06	914896.2034	5040817.117	1314888.56	3518089.898	2837953.638	2684336.002
2892456.092	3841743.533	3739009.709	4533121.514	2480782.701	5552256.749	3849898.306	4180118.82
3714306.239	3637256.413	4765727.359	5528942.196	4361506.921	6388507.703	5703592.988	4981824.702
4480904.04	5717375.291	3226158.53	4341088.9	3809737.771	4603266.878	4101519.043	3581847.926
2102724.008	2405382.156	1707733.387	1735321.522	2432214.957	2420970.813	2689178.727	2343715.629
1035913.733	1445355.282	1155754.08	1555563.311	1112770.55	882016.1448	1097826.877	653095.3144