

Liensinine perchlorate inhibits colorectal cancer tumorigenesis by inducing mitochondrial dysfunction and apoptosis

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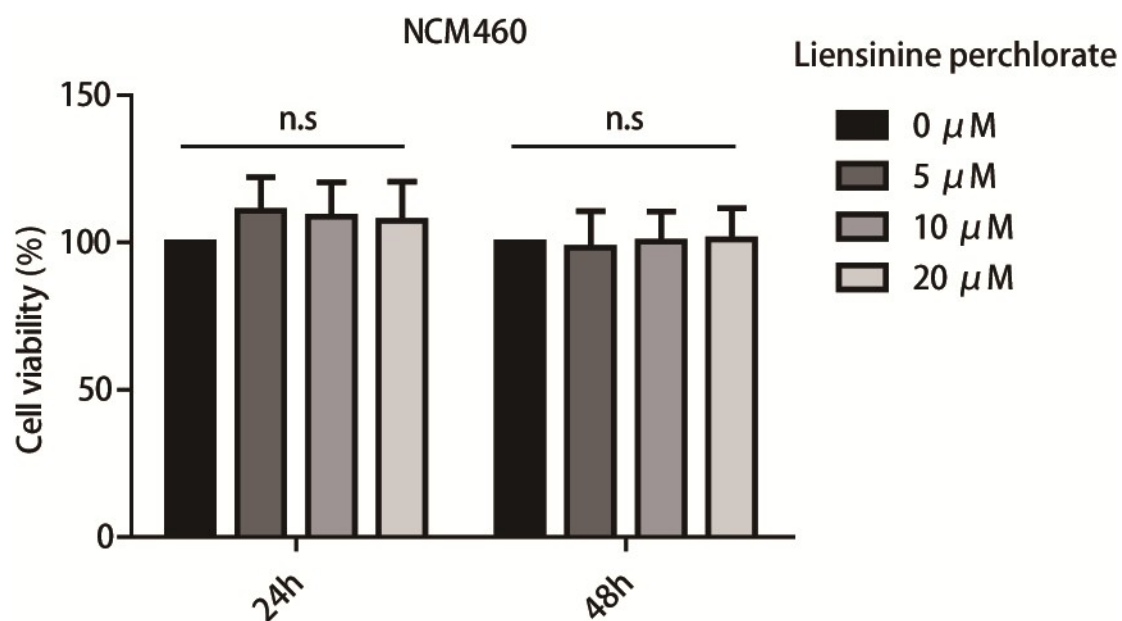


Figure S1

Supporting information Figure S1 NCM460 was incubated with various concentrations (up to 20 μM) of liensinine for 24 and 48 h, respectively, and cell viability was determined by WST-1 assay. Bars, SD; Nonsignificant is referred as n.s

Supplementary Table 1. Differently expressed proteins in the Liensinsine perchlorate-treated HT29 cells

Protein name	Accession ID	Fold change	P value
DUSP23	Q9BVJ7	47.55846176	0
LDLR	P01130	14.0982251	0.0011726
LAPTM4A	Q15012	6.37587056	0.0004134
GDF15	Q99988	5.730150239	0.0003252
TMED10	P49755	5.415963673	0.0001281
COG3	Q96JB2	5.364614168	0.0022762
APLP2	Q06481	4.772483645	0.0004473
STRIP1	Q5VSL9	4.706219719	0.0011919
NAA35	Q5VZE5	4.562086963	0.0003203
FARP1	Q9Y4F1	4.504507642	0.0031744
SERINC1	Q9NRX5	3.760412478	0.0016355
SPINT1	O43278	3.624272954	0.0006298
APOB	P04114	3.577062701	0.0010287
SQLE	Q14534	3.470315083	0.0010335
PRKACA	P17612	3.298484249	0.0019244
CLDN4	O14493	3.216899809	0.0002744
HMGCS1	Q01581	3.116664398	0.0007507
GNB1	P62873	3.088277517	0.0005452
SDCBP	O00560	3.044934051	0.0016138
KIF3A	Q9Y496	3.037239388	0.0022073
CLDN3	O15551	3.019245547	0.0004859
ECE1	P42892	2.982907364	0.0030426
FDXR	P22570	2.981781243	0.0471865
ADGRG1	Q9Y653	2.970911493	0.0014083
WASHC2A	Q641Q2	2.928369915	0.0045863
FAF1	Q9UNN5	2.921243171	0.0012632
HELZ	P42694	2.883868948	0.0068976
LSM5	Q9Y4Y9	2.873683313	0.0131689
SLC4A2	P04920	2.872694108	0.0012451
TMEM59	Q9BXS4	2.802157819	0.0018205
SERPINB8	P50452	2.767639342	0.0037558
RPS11	P62280	2.646122965	0.0004859
CLTB	P09497	2.599186186	0.0024031
ACSS2	Q9NR19	2.594531264	0.0042829
FDFT1	P37268	2.589396399	0.0018314
AP2S1	P53680	2.522537397	0.0227392
LCN2	P80188	2.518866375	0.0008268
NEU1	Q99519	2.516823116	0.0030184
MCFD2	Q8NI22	2.495404115	0.0015364
APOC3	P02656	2.465798208	0.0049441

CEACAM1	P13688	2.45518856	0.0039964
ST14	Q9Y5Y6	2.41511125	0.0037365
S100A10	P60903	2.409054685	5.077E-05
HINT2	Q9BX68	2.395209713	0.022634
RAP2B	P61225	2.394479977	0.0029773
TBCA	O75347	2.380345441	0.0010468
SLC1A1	P43005	2.360596044	0.0051266
EIF4H	Q15056	2.352758983	0.0008969
ATG7	O95352	2.320404051	0.0088075
GNG12	Q9UBI6	2.303236712	0.0014276
HMGA1	P17096	2.296051293	0.001152
IREB2	P48200	2.294312186	0.0037208
KPNA2	P52292	2.27459974	0.0043276
CD55	P08174	2.262682595	0.0051774
PATL1	Q86TB9	2.259193699	0.00455
SLC29A1	Q99808	2.236476152	0.0024031
CTH	P32929	2.22637226	0.0085524
OXR1	Q8N573	2.209431738	0.0082804
CCNH	P51946	2.204216694	0.0042672
APP	P05067	2.195785028	0.0029773
SAMD9	Q5K651	2.191737763	0.0085778
TMEM106B	Q9NUM4	2.185580402	0.0049949
GNPAT	O15228	2.181066675	0.0043917
ZNFX1	Q9P2E3	2.173379685	0.0105663
HELZ2	Q9BYK8	2.168637278	0.0060308
MITD1	Q8WV92	2.153614182	0.0088909
PARP9	Q8IXQ6	2.132858156	0.0056585
SDC1	P18827	2.119145881	0.00345
AKAP8	O43823	2.109129863	0.0080919
SUMO1	P63165	2.09138324	0.0185953
MYDGF	Q969H8	2.091132143	0.0027066
AK2	P54819	2.071756031	0.0012221
RAP2C	Q9Y3L5	2.066221174	0.0042829
MECR	Q9BV79	2.061945588	0.0029773
TMEM2	Q9UHN6	2.056507252	0.0110329
CXADR	P78310	2.047506622	0.0046358
RBM8A	Q9Y5S9	2.033050749	0.0028286
CST3	P01034	2.028888509	0.0037921
DCAF1	Q9Y4B6	2.019329715	0.0274173
UBE2I	P63279	2.015100782	0.0009695
MYO1D	O94832	2.01449436	0.0083687
DDI2	Q5TDH0	2.010135245	0.0056488
ITM2C	Q9NQX7	2.008363509	0.0062545
SLC2A1	P11166	1.992618516	0.0009683

ELOB	Q15370	1.992531119	0.0030269
PRKD2	Q9BZL6	1.987947564	0.0079637
ARMC10	Q8N2F6	1.974617295	0.0049924
LAMTOR2	Q9Y2Q5	1.971687307	0.0037836
CASP3	P42574	1.97105664	0.009644
CCDC97	Q96F63	1.966311359	0.0092922
THUMPD3	Q9BV44	1.95911931	0.0116555
KTN1	Q86UP2	1.949541139	0.0054361
SNX12	Q9UMY4	1.943058163	0.0070789
FAM177A1	Q8N128	1.931781811	0.0097492
IMPDH2	P12268	1.926799548	0.0030692
YIPF3	Q9GZM5	1.926342759	0.0030124
TUBA1C	Q9BQE3	1.922368577	0.0009659
ATP1B1	P05026	1.915274565	0.0022762
SERPINB6	P35237	1.914346949	0.0049441
ABCG2	Q9UNQ0	1.911260047	0.0100308
MGAT5	Q09328	1.908760089	0.0072614
SPATS2L	Q9NUQ6	1.902636719	0.0097371
HSPA6	P17066	1.898320989	0.0002454
FXR1	P51114	1.897725442	0.0080085
MRPL14	Q6P1L8	1.897585773	0.0079988
AHCYL2	Q96HN2	1.89246616	0.0076059
POLD2	P49005	1.892045691	0.0120471
FUCA2	Q9BTY2	1.884450115	0.0076458
SLC1A5	Q15758	1.880325591	0.0013043
VPS4A	Q9UN37	1.877995622	0.0056488
MUT	P22033	1.874981305	0.0058205
LIPA	P38571	1.87455188	0.0063258
MCAT	Q8IVS2	1.867344022	0.0328051
AGTRAP	Q6RW13	1.850527192	0.0257661
MYORG	Q6NSJ0	1.848275042	0.0088256
FIS1	Q9Y3D6	1.847555228	0.0030136
GCNT3	O95395	1.840054815	0.0068951
NEDD4	P46934	1.831199995	0.0100538
TMEM43	Q9BTV4	1.82881313	0.0079976
NUBP2	Q9Y5Y2	1.820813903	0.0077558
RPS16	P62249	1.808847692	0.0014228
HMGB1	P09429	1.807467716	0.0013249
NTMT1	Q9BV86	1.806495191	0.0110934
CD81	P60033	1.803669518	0.0053527
AQR	O60306	1.80023358	0.0142798
SRP14	P37108	1.80023061	0.0027743
FAHD1	Q6P587	1.799419288	0.019074
NMI	Q13287	1.798807676	0.0102206

LGMN	Q99538	1.796664925	0.0084461
ITM2B	Q9Y287	1.789882329	0.0063161
TOR1B	O14657	1.78728765	0.0184031
NUP62	P37198	1.783652736	0.0110656
SPINT2	O43291	1.768376399	0.0046358
FAT1	Q14517	1.765678601	0.0147162
GIT2	Q14161	1.762475082	0.0171049
ABI2	Q9NYB9	1.761940403	0.0080375
UBE2A	P49459	1.759620199	0.0076845
SOD1	P00441	1.754809137	0.0029725
MPZL1	O95297	1.752170973	0.009534
GNAS	Q5JWF2	1.750373094	0.0077679
ARRDC1	Q8N5I2	1.745997645	0.0127579
SCAF8	Q9UPN6	1.742311889	0.022634
EXOC5	O00471	1.741974585	0.0118936
M6PR	P20645	1.740423382	0.0066183
PYCARD	Q9ULZ3	1.739006607	0.0067416
SQSTM1	Q13501	1.733958171	0.0090795
PLSCR1	O15162	1.730977465	0.0064805
MVD	P53602	1.729835695	0.0074862
CD46	P15529	1.725706564	0.013528
DLG1	Q12959	1.724352452	0.0169042
CALM1	P0DP23	1.72393919	0.0051665
PROM1	O43490	1.722455491	0.0099136
RAB5B	P61020	1.719302927	0.0199637
HLA-A	P05534	1.708449119	0.0075999
C8orf33	Q9H7E9	1.708094273	0.0133164
MAGED2	Q9UNF1	1.699570369	0.0160085
SLC38A1	Q9H2H9	1.698432434	0.0069967
CASP2	P42575	1.691933595	0.0094445
AHCYL1	O43865	1.690656327	0.0104986
QPCT	Q16769	1.686101504	0.0099897
F11R	Q9Y624	1.679990063	0.0057347
LAMA5	O15230	1.678100332	0.0377637
ARL8B	Q9NVJ2	1.678016443	0.0068033
PPP6R1	Q9UPN7	1.676877788	0.0205222
EHBP1L1	Q8N3D4	1.673896246	0.0197836
MAP2K1	Q02750	1.670653071	0.0090275
LAMB1	P07942	1.670233966	0.0262097
AP2A1	O95782	1.668887189	0.0106147
RPS15	P62841	1.668682621	0.0033013
PVR	P15151	1.665185922	0.0212934
TINAGL1	Q9GZM7	1.661519537	0.0201015
PRRC1	Q96M27	1.661381804	0.0061312

ESRP2	Q9H6T0	1.659251476	0.0062254
PGPEP1	Q9NXJ5	1.654069922	0.0096682
SEC24A	O95486	1.651406354	0.0117123
B4GALT1	P15291	1.6483732	0.0222303
BCAP31	P51572	1.647949177	0.0022363
RBBP7	Q16576	1.647845745	0.009366
DOCK7	Q96N67	1.646994516	0.0164025
MORF4L1	Q9UBU8	1.645870481	0.021314
SLC7A1	P30825	1.63677777	0.0068093
LARP4	Q71RC2	1.636262001	0.0225579
PDZD8	Q8NEN9	1.633521651	0.036411
PEA15	Q15121	1.632192192	0.0128413
SMIM20	Q8N5G0	1.632062252	0.0188262
PPIP5K2	O43314	1.626435429	0.0308637
CDV3	Q9UKY7	1.623608177	0.0180937
DTX3L	Q8TDB6	1.621427653	0.0145192
VAMP7	P51809	1.619456145	0.0132282
GMPPA	Q96IJ6	1.618632678	0.0163433
GNA11	P29992	1.612227428	0.0134409
RPL38	P63173	1.611524854	0.005453
ACAT2	Q9BWD1	1.611519319	0.0066594
CHTOP	Q9Y3Y2	1.611492644	0.0082019
DOHH	Q9BU89	1.609596819	0.0327229
RPS27A	P62979	1.608631219	0.0024551
BZW2	Q9Y6E2	1.601845647	0.0060308
HNRNPDL	O14979	1.601511306	0.0080641
TXNRD1	Q16881	1.599553934	0.0054965
SPAG9	O60271	1.598982921	0.0181191
SUPV3L1	Q8IYB8	1.596640167	0.0132342
PM20D2	Q8IYS1	1.591061717	0.0123566
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UQCRB	P14927	1.582923259	0.0091955
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CMTR1	Q8N1G2	1.581103118	0.0321245
MYOF	Q9NZM1	1.576652829	0.0143681
PSMA7	O14818	1.573227298	0.0043058
LEPROT	O15243	1.571635662	0.0293116
SLC30A1	Q9Y6M5	1.571317239	0.0109628
CYP51A1	Q16850	1.570122667	0.016828
PTPRF	P10586	1.570031912	0.022634
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STRN3	Q13033	1.566717277	0.0477655
UPF2	Q9HAU5	1.559916415	0.0214711
TSPAN1	O60635	1.559598857	0.0059595
GOLGA4	Q13439	1.558509712	0.018819
VAT1	Q99536	1.55659473	0.0131
HNRNPC	P07910	1.556257838	0.0086902
GARS	P41250	1.55507718	0.0066316
PLD3	Q8IV08	1.552978078	0.0128027
STX3	Q13277	1.552811855	0.0190378
LANCL2	Q9NS86	1.55052789	0.0357522
SLC3A2	P08195	1.550089681	0.0057443
RAB21	Q9UL25	1.549960957	0.0092028
TMEM126A	Q9H061	1.546818071	0.0145555
AGRN	O00468	1.542679323	0.0101312
MANF	P55145	1.542320721	0.0116978
RABGGTB	P53611	1.540999816	0.0147767
GTF2H1	P32780	1.540827263	0.0230994
WDFY1	Q8IWB7	1.539304514	0.0272856
TMED5	Q9Y3A6	1.538888632	0.0116156
RAB5A	P20339	1.537477405	0.0062557
MVP	Q14764	1.537354473	0.0091508
FAM3A	P98173	1.536560077	0.0436579
UBE2K	P61086	1.535900412	0.0071502
PODXL	O00592	1.535455725	0.0161741
B2M	P61769	1.535444386	0.010663
NT5C2	P49902	1.53402626	0.0101662
ATG2A	Q2TAZ0	1.533128159	0.0204461
EPCAM	P16422	1.532470234	0.0074439
SLC31A1	O15431	1.531129033	0.0319831
NPTN	Q9Y639	1.528757851	0.0126552
POLR1E	Q9GZS1	1.526783921	0.0459716
SRM	P19623	1.523156288	0.0103923
SF3A2	Q15428	1.523023527	0.017343
CDH1	P12830	1.52276978	0.0135993
FAM129A	Q9BZQ8	1.521921205	0.0281015
DCAF7	P61962	1.521543572	0.0486999
ELP1	O95163	1.51867213	0.0406951
AIMP1	Q12904	1.515016021	0.0122551
MGST1	P10620	1.514903455	0.0127422
RPL7	P18124	1.514482611	0.0036301
PPP3CA	Q08209	1.512709767	0.010709
LAMTOR3	Q9UHA4	1.512405406	0.0083046
GOLPH3	Q9H4A6	1.512244507	0.0123953
DR1	Q01658	1.511894608	0.0149229

LAMP1	P11279	1.51075835	0.0038465
MMAB	Q96EY8	1.510580211	0.0107791
ADAM9	Q13443	1.510237449	0.0232022
HINT1	P49773	1.509923734	0.0271284
SKIV2L	Q15477	1.50966718	0.0335255
SLC16A1	P53985	1.507412505	0.0129731
TRAPPC4	Q9Y296	1.506954783	0.0405391
SLC44A4	Q53GD3	1.506026193	0.0143487
THOC2	Q8NI27	1.506004101	0.0293442
TRMT1	Q9NXH9	1.503747023	0.0369526
BGN	P21810	1.503441403	0.0272034
PHLDB1	Q86UU1	1.500338579	0.0390305
TXNL1	O43396	1.500258615	0.0185615
ACSF2	Q96CM8	1.499448564	0.0194306
HSD17B2	P37059	1.498692436	0.0172729
SNAP23	O00161	1.498449758	0.02954
TOM1L1	O75674	1.498168856	0.0174107
PCID2	Q5JVF3	1.497583303	0.0335255
MVK	Q03426	1.494924792	0.0216875
NME2P1	O60361	1.492740566	0.0055497
TMBIM1	Q969X1	1.492090461	0.0093345
SLC25A3	Q00325	1.491988777	0.0066316
VPS36	Q86VN1	1.491532233	0.0230499
SYPL1	Q16563	1.489205554	0.0073364
ATG4B	Q9Y4P1	1.488308741	0.0304757
SIRT2	Q8IXJ6	1.487902086	0.0288365
LNPEP	Q9UIQ6	1.487636027	0.0226642
GCLC	P48506	1.487504021	0.0158598
GNPDA1	P46926	1.487335723	0.0200653
ATG9A	Q7Z3C6	1.484902968	0.0270982
SNX8	Q9Y5X2	1.484753293	0.0305953
GMFB	P60983	1.484181785	0.0233823
PPFIBP1	Q86W92	1.481783761	0.0383633
TMEM41B	Q5BJD5	1.480949166	0.0422387
CTPS2	Q9NRF8	1.476597541	0.0289127
NAA25	Q14CX7	1.47639257	0.0244606
CARMIL1	Q5VZK9	1.475695052	0.0392517
GON7	Q9BXV9	1.473030119	0.0374603
LTV1	Q96GA3	1.471751662	0.0434343
ACLY	P53396	1.471249233	0.0099341
CACYBP	Q9HB71	1.467196488	0.0150063
TBCD	Q9BTW9	1.466675077	0.0306328
CCDC47	Q96A33	1.466469174	0.0199674
INPP1	P49441	1.465061437	0.0214929

FDPS	P14324	1.46410602	0.0112179
PPP1CA	P62136	1.460710015	0.0100562
MRPS17	Q9Y2R5	1.459868583	0.0254663
TRAF2	Q12933	1.459428963	0.0278791
LDAH	Q9H6V9	1.458013519	0.0202659
COBLL1	Q53SF7	1.457664107	0.0499015
ARFGAP2	Q8N6H7	1.457409738	0.0235406
PRPSAP2	O60256	1.45622614	0.0342968
ARHGEF16	Q5VV41	1.454537091	0.022651
FCGRT	P55899	1.454290198	0.0356192
GNA13	Q14344	1.452712543	0.0431949
COMMD3	Q9UBI1	1.452446547	0.0453769
NT5C	Q8TCD5	1.451294863	0.024139
CD97	P48960	1.44963569	0.0416005
CTSB	P07858	1.448241707	0.0142303
NECTIN2	Q92692	1.446608867	0.019809
PSMB5	P28074	1.446189093	0.0321245
S100A14	Q9HCY8	1.445865589	0.0328268
DDX39B	Q13838	1.44542843	0.0140997
CALU	O43852	1.442672499	0.012116
BANF1	O75531	1.442413009	0.0201015
RAB11A	P62491	1.442363206	0.0204485
COPE	O14579	1.442359717	0.0146256
PRPS2	P11908	1.441872322	0.036133
PTGR2	Q8N8N7	1.440179095	0.0337202
CUTA	O60888	1.439934575	0.0161608
TPP1	O14773	1.4391137	0.021453
FMR1	Q06787	1.438718363	0.0310692
PSMA4	P25789	1.437537534	0.0104684
TWF2	Q6IBS0	1.434123593	0.0281197
IDI1	Q13907	1.434069365	0.0178531
ASCC3	Q8N3C0	1.432180885	0.0384164
TAP2	Q03519	1.431965123	0.0498628
SEC16A	O15027	1.431889837	0.034084
OAS3	Q9Y6K5	1.430445251	0.0328498
ANXA10	Q9UJ72	1.430298531	0.0097782
CDC73	Q6P1J9	1.430290188	0.0292838
ABCD1	P33897	1.42962959	0.0364497
TACC2	O95359	1.429382269	0.0250867
RPS21	P63220	1.429143397	0.0156083
GRN	P28799	1.428452252	0.0221723
RAP1B	P61224	1.427914529	0.0080459
FKBP5	Q13451	1.426974357	0.0300199
HSPB1	P04792	1.426679251	0.0141046

SERBP1	Q8NC51	1.426149204	0.0128027
CLIC4	Q9Y696	1.425599603	0.0287265
IQGAP3	Q86VI3	1.425171949	0.0083034
GDI1	P31150	1.424558315	0.0136198
PPP4R2	Q9NY27	1.423888171	0.0401559
RDH10	Q8IZV5	1.423376366	0.0385724
NFATC2IP	Q8NCF5	1.422719257	0.0439964
SF3B6	Q9Y3B4	1.419370445	0.0258362
PTMA	P06454	1.419297872	0.0051895
MPZL2	O60487	1.419216141	0.0236567
ATAD3B	Q5T9A4	1.41895319	0.0163433
EEFSEC	P57772	1.417114655	0.0413648
PITPNA	Q00169	1.415875925	0.0266788
PFKFB2	O60825	1.415864612	0.0385724
TIMM44	O43615	1.415423332	0.0190547
TNPO2	O14787	1.415280467	0.0402587
TJP2	Q9UDY2	1.41471595	0.0236313
SVIP	Q8NHG7	1.413989623	0.028741
TBCE	Q15813	1.413767726	0.0325585
BTF3	P20290	1.412822879	0.0184031
SF3A3	Q12874	1.412184302	0.025557
EXOC1	Q9NV70	1.411130299	0.0332947
HSPA8	P11142	1.41090696	0.0049924
VMP1	Q96GC9	1.410183952	0.0403796
MDH1	P40925	1.408311502	0.0095545
NEDD4L	Q96PU5	1.407962119	0.045349
G6PD	P11413	1.407714186	0.0089115
RAB7A	P51149	1.407113819	0.0076011
RSU1	Q15404	1.406184613	0.0306945
S100P	P25815	1.405849211	0.0037993
EIF5A	P63241	1.404629479	0.0077594
FAF2	Q96CS3	1.404079448	0.0213672
PARP4	Q9UUK3	1.403856821	0.0361741
NUB1	Q9Y5A7	1.402478833	0.0496367
DHCR7	Q9UBM7	1.402274665	0.0102496
RNF213	Q63HN8	1.401348444	0.0434911
AKR1B10	O60218	1.400818831	0.0121318
FAM50A	Q14320	1.400418994	0.0257903
USP9X	Q93008	1.399775097	0.0333793
COQ6	Q9Y2Z9	1.399679923	0.0117788
EFHD2	Q96C19	1.399209375	0.0137951
PRDX6	P30041	1.398125132	0.0069459
RBM12	Q9NTZ6	1.398029017	0.0144128
EEF1A2	Q05639	1.397841158	0.0498072

SCARB1	Q8WTV0	1.397365913	0.0197002
ESRP1	Q6NXG1	1.396818853	0.0483445
XPNPEP1	Q9NQW7	1.396814127	0.0198561
QARS	P47897	1.396382154	0.0232626
VPS18	Q9P253	1.396050013	0.0451641
8-Sep	Q92599	1.395981007	0.0453563
SLFN5	Q08AF3	1.394760372	0.0498277
HSPG2	P98160	1.394556791	0.0328764
PDAP1	Q13442	1.394434957	0.0139087
FAM213A	Q9BRX8	1.393938943	0.0205113
MIS12	Q9H081	1.393573969	0.0456694
SNX3	O60493	1.39337142	0.0295787
NAA20	P61599	1.392353048	0.0348117
RPL19	P84098	1.390683494	0.0068988
RPL17	P18621	1.390507424	0.0084581
BYSL	Q13895	1.389810509	0.0334445
OSTF1	Q92882	1.389173364	0.0307464
CD2AP	Q9Y5K6	1.389131688	0.0216041
HNMT	P50135	1.388927277	0.0280532
SPG21	Q9NZD8	1.383324857	0.0249018
STX7	O15400	1.383247178	0.0307525
EIF3K	Q9UBQ5	1.381320159	0.0211701
PCBP1	Q15365	1.381257521	0.0114512
DNAJC2	Q99543	1.380784679	0.0328752
ERGIC1	Q969X5	1.380609942	0.0230898
CHMP5	Q9NZZ3	1.38058315	0.0274125
STARD10	Q9Y365	1.379982038	0.0143439
EPS15L1	Q9UBC2	1.379840722	0.0358223
EIF4E	P06730	1.379099253	0.0205633
STAT1	P42224	1.378933372	0.0283312
LTF	P02788	1.378193499	0.0214929
GBA	P04062	1.377881939	0.0328474
RPS19	P39019	1.377684441	0.0067622
STIP1	P31948	1.376418793	0.0126902
MPG	P29372	1.376393056	0.0473388
COLGALT1	Q8NBJ5	1.376319286	0.0243034
TTYH3	Q9C0H2	1.376068699	0.030269
SEC24C	P53992	1.375973767	0.0294192
AKR1A1	P14550	1.375744117	0.0235322
LSS	P48449	1.375034625	0.0299994
TXNDC12	O95881	1.374352401	0.0284158
URI1	O94763	1.373536351	0.042663
GRK2	P25098	1.372079965	0.0360701
PPIL1	Q9Y3C6	1.371942686	0.0427235

YIPF6	Q96EC8	1.371668536	0.0236978
TIAL1	Q01085	1.369397331	0.035722
CA13	Q8N1Q1	1.367940583	0.0481692
DYNC1I2	Q13409	1.367411078	0.028116
MYO1E	Q12965	1.366526456	0.0472711
PAK1	Q13153	1.366525145	0.0299595
ALG5	Q9Y673	1.366383515	0.0199541
AACS	Q86V21	1.365469148	0.0283542
PRMT5	O14744	1.365371591	0.0404727
NUP210	Q8TEM1	1.365123445	0.0457455
ACTR3	P61158	1.364806531	0.0165875
LYPLA1	O75608	1.36439576	0.0182097
ATP6V1C1	P21283	1.363440454	0.0460199
DYNC1LI1	Q9Y6G9	1.362823839	0.036938
VAMP8	Q9BV40	1.361718836	0.0352517
PPM1B	O75688	1.360807424	0.0466751
SCD	O00767	1.360776209	0.0417274
NCAPG	Q9BPX3	1.360692842	0.0423427
PRDX2	P32119	1.359350002	0.0092427
NAMPT	P43490	1.357631796	0.024058
LAMTOR1	Q6IAA8	1.357069478	0.0282248
CSRP1	P21291	1.356811953	0.0366963
SCARB2	Q14108	1.35646452	0.0197268
PC	P11498	1.355866276	0.0390366
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HLA-C	P30504	1.354084038	0.0300115
CAST	P20810	1.352871335	0.0453793
CA12	O43570	1.352848224	0.0324412
PCYT1A	P49585	1.352846184	0.042379
GNAI2	P04899	1.351595835	0.0223971
SOD2	P04179	1.351054965	0.0315938
PIGK	Q92643	1.349682018	0.0451677
PPFIA1	Q13136	1.349586427	0.0462762
HBS1L	Q9Y450	1.347558967	0.0482454
YBX1	P67809	1.347318549	0.0196555
GAPDH	P04406	1.346644821	0.0055485
CTSA	P10619	1.346542498	0.0273497
RPS14	P62263	1.345356597	0.0197038
GDA	Q9Y2T3	1.345338279	0.0249864
ARFIP2	P53365	1.344793199	0.0423427
MRPL46	Q9H2W6	1.343961426	0.036828
PSMD9	O00233	1.342349216	0.0479214
UGDH	O60701	1.342271555	0.0168015
PSAP	P07602	1.34123964	0.0129924

GPS1	Q13098	1.339542955	0.0345482
MESD	Q14696	1.339187601	0.0288933
HMGB3	O15347	1.338666267	0.0154403
PRDX5	P30044	1.337666488	0.0160737
UMPS	P11172	1.336971721	0.0309048
TUBAL3	A6NHL2	1.336409903	0.0140997
ITGB1	P05556	1.336384583	0.027184
PDLIM5	Q96HC4	1.335359413	0.0438066
CLN3	Q13286	1.334716876	0.0402587
ABCC1	P33527	1.334343788	0.0455352
SEC31A	O94979	1.333265628	0.0347138
ADAM10	O14672	1.332781081	0.0493853
AGL	P35573	1.332299429	0.0423935
HNRNPU	Q00839	1.331952299	0.0144092
GOLM1	Q8NBJ4	1.331510466	0.0354246
SARS	P49591	1.33025669	0.026003
SLC7A5	Q01650	1.329699329	0.0247567
CAPZB	P47756	1.32890351	0.0145216
NAA10	P41227	1.327790996	0.0284436
EIF3C	Q99613	1.32585415	0.0258858
TMPO	P42166	1.3252832	0.035722
ST13	P50502	1.324062371	0.0199686
TGOLN2	O43493	1.322649521	0.0404448
ACOT8	O14734	1.321647811	0.0407616
CAMK2D	Q13557	1.319335955	0.0319915
CASP4	P49662	1.318253796	0.0481306
ME1	P48163	1.317937512	0.03222
TSN	Q15631	1.317585035	0.0465978
AKR1C3	P42330	1.317401047	0.0305373
POLE3	Q9NRF9	1.316842987	0.0433206
NUCB1	Q02818	1.316612746	0.039369
SF1	Q15637	1.316418798	0.0347271
FBP1	P09467	1.315791039	0.0368027
SMS	P52788	1.31510604	0.0296646
ATP1A1	P05023	1.31504262	0.0201874
RAB2A	P61019	1.314639523	0.025204
GNB2	P62879	1.314420076	0.026576
PSMD1	Q99460	1.313865473	0.0404944
MAT2A	P31153	1.312886307	0.0265131
CAMK2G	Q13555	1.311762721	0.0472675
IDH1	O75874	1.310395792	0.0145929
HADHB	P55084	1.308363849	0.0405947
TNFAIP8	O95379	1.307861269	0.0420985
HSD17B12	Q53GQ0	1.307302133	0.029667

TPP2	P29144	1.307073537	0.0435975
RAB1B	Q9H0U4	1.30629132	0.0118924
CTSD	P07339	1.306210519	0.0152832
FUS	P35637	1.306201619	0.0305784
ZMPSTE24	O75844	1.302363825	0.0381457
FASN	P49327	1.302268457	0.0230209
CAD	P27708	1.301102842	0.0452741
AARS	P49588	1.300861745	0.0244823
NSDHL	Q15738	1.300134125	0.0271429
TKFC	Q3LXA3	1.300060966	0.0468951
SFN	P31947	1.299724934	0.0251617
DRG1	Q9Y295	1.299499848	0.0422702
ITGB5	P18084	1.29895674	0.0499136
HSPA9	P38646	1.298809135	0.0184297
LAMP2	P13473	1.298559059	0.0194137
10-Sep	Q9P0V9	1.297319666	0.041453
CBX3	Q13185	1.296285427	0.0325706
MAT2B	Q9NZL9	1.295835847	0.0347803
INF2	Q27J81	1.295783934	0.0428311
ACACA	Q13085	1.295595347	0.0409755
LRRFIP1	Q32MZ4	1.295436002	0.0404944
DDT	P30046	1.295209976	0.023479
NSF	P46459	1.294804646	0.0427235
PGD	P52209	1.294694347	0.0199311
YWHAG	P61981	1.294624788	0.015421
MYO6	Q9UM54	1.294338615	0.0366987
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SERPINB5	P36952	1.291949483	0.0469338
BLVRB	P30043	1.291506775	0.0445041
PNP	P00491	1.290810916	0.0310015
ERGIC3	Q9Y282	1.289059964	0.0448365
LAD1	O00515	1.28824238	0.0394355
HSPA4	P34932	1.288166164	0.0297927
GTF2A1	P52655	1.288151997	0.0470051
HPCAL1	P37235	1.288115682	0.0382919
DNM1L	O00429	1.287967151	0.0499438
HSPA5	P11021	1.287947142	0.0165681
PSAT1	Q9Y617	1.286552545	0.0238574
COPZ1	P61923	1.285712158	0.0287362
ARPC4	P59998	1.285466827	0.025117
PSMA6	P60900	1.285362378	0.0241571
STK39	Q9UEW8	1.282580477	0.0385808
HSPA1A	P0DMV8	1.2823926	0.0130287
LDHA	P00338	1.282238625	0.0097359

PARD6B	Q9BYG5	1.281862267	0.0477619
BAG6	P46379	1.279907204	0.0463862
SRPRB	Q9Y5M8	1.279637287	0.0343657
DBNL	Q9UJU6	1.279112239	0.0456307
FKBP9	O95302	1.278891336	0.045349
SEC11A	P67812	1.278220565	0.0388299
EIF4B	P23588	1.275264043	0.0421275
PPM1G	O15355	1.274135123	0.0481463
VPS26A	O75436	1.273768634	0.031832
SBDS	Q9Y3A5	1.27366785	0.0350209
SYNGR2	O43760	1.27352653	0.0247144
CTTN	Q14247	1.273489122	0.0289344
LRRC59	Q96AG4	1.27281239	0.0288788
YARS	P54577	1.27162138	0.02965
TIMM13	Q9Y5L4	1.270371955	0.035722
CSTB	P04080	1.270170313	0.0350366
ACTR2	P61160	1.269372127	0.0285113
GDI2	P50395	1.268266992	0.0213696
NPEPPS	P55786	1.266749381	0.0384056
RNMT	O43148	1.266575447	0.0498628
UGP2	Q16851	1.265884791	0.0402055
EIF3A	Q14152	1.265092203	0.0444557
CMPK1	P30085	1.264691781	0.0338713
DDB1	Q16531	1.263991477	0.044434
HP1BP3	Q5SSJ5	1.263440579	0.0482103
PYGB	P11216	1.263265953	0.0195769
TARS	P26639	1.262703134	0.0319831
PLOD1	Q02809	1.262295008	0.0065966
RPS17	P08708	1.261253624	0.0222931
ACP1	P24666	1.260572202	0.0384128
PLS1	Q14651	1.259891172	0.0443542
VASP	P50552	1.259563941	0.0432602
LACTB2	Q53H82	1.258574056	0.0428746
ARL6IP5	O75915	1.258556364	0.0452064
TKT	P29401	1.258044121	0.0202659
PABPC1	P11940	1.257827893	0.0291532
PSMD2	Q13200	1.257296276	0.0476506
PTGR1	Q14914	1.256942069	0.048168
ANP32E	Q9BTT0	1.256870992	0.0458048
RAB14	P61106	1.256382058	0.0435987
AHSA1	O95433	1.255590187	0.049262
HYOU1	Q9Y4L1	1.255188644	0.0370021
CYSTM1	Q9H1C7	1.254810763	0.0311006
GSTP1	P09211	1.253504181	0.0179063

ERP44	Q9BS26	1.25335749	0.0476265
REXO2	Q9Y3B8	1.252817739	0.0471163
PDCD6	O75340	1.252105892	0.0345095
PSMB6	P28072	1.251993101	0.0415969
EIF2S2	P20042	1.251487773	0.0429459
GFPT1	Q06210	1.249855338	0.0351792
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STRAP	Q9Y3F4	1.249076164	0.0486842
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DNPEP	Q9ULA0	1.248069255	0.0471429
TXNDC17	Q9BRA2	1.247188313	0.0423016
TPD52	P55327	1.246127774	0.0420888
G3BP1	Q13283	1.245175364	0.0462291
SLC25A24	Q6NUK1	1.244214955	0.0436374
RAB20	Q9NX57	1.243619373	0.0450311
NARS	O43776	1.242391582	0.0455098
GOT1	P17174	1.241312722	0.0496585
SSR1	P43307	1.241126989	0.0303753
HSPH1	Q92598	1.240203681	0.0495739
TM9SF3	Q9HD45	1.239923856	0.0331943
TALDO1	P37837	1.23957124	0.0180103
EIF3F	O00303	1.237994689	0.0447338
VCP	P55072	1.237724359	0.0305978
RPL4	P36578	1.233701804	0.0220731
LAP3	P28838	1.233651447	0.0478852
CCT4	P50991	1.232811046	0.0358441
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SRSF2	Q01130	1.231730187	0.0334288
EIF3J	O75822	1.231032198	0.0355963
ANXA1	P04083	1.2309317	0.0296646
CD151	P48509	1.230697308	0.0490178
NTPCR	Q9BSD7	1.23008016	0.0088595
FAM49B	Q9NUQ9	1.229712193	0.0409779
GLRX3	O76003	1.227194252	0.0420985
ACTN1	P12814	1.227096179	0.0334482
PSME2	Q9UL46	1.224597524	0.0375932
TPM3	P06753	1.224583181	0.0237449
YWHAH	Q04917	1.223536375	0.0392989
FKBP4	Q02790	1.22220061	0.0456343
YBX3	P16989	1.22178782	0.0421541
TGM2	P21980	1.220559754	0.049227
EIF6	P56537	1.220519775	0.034466
ANAPC7	Q9UJX3	1.219372018	0.046107
HNRNPD	Q14103	1.218786727	0.0476857

PEBP1	P30086	1.218624605	0.0388299
RPL22	P35268	1.217490543	0.0275419
EZR	P15311	1.215509884	0.0452064
SET	Q01105	1.215089557	0.0313678
TUBB2A	Q13885	1.213928845	0.0381179
MAL2	Q969L2	1.21376931	0.0297274
RPL8	P62917	1.212491366	0.0315128
SPCS3	P61009	1.212449905	0.0456694
RPL7A	P62424	1.211936672	0.0413358
CCT3	P49368	1.210992365	0.0425446
ARHGDIA	P52565	1.210951523	0.0342061
C1QBP	Q07021	1.2092924	0.0408208
ETFB	P38117	1.207888995	0.0471865
ATP5J2	P56134	1.20768918	0.0433303
PA2G4	Q9UQ80	1.207188787	0.0463076
PARK7	Q99497	1.206936592	0.041094
RPS2	P15880	1.203275073	0.0313001
SLC9A3R1	O14745	1.203074212	0.0499498
CFL1	P23528	1.202349574	0.0295195
HSPD1	P10809	1.202252394	0.0218096
TMEM109	Q9BVC6	1.201053991	0.0359879
ATP5F1B	P06576	1.194056921	0.0359359
RABL3	Q5HYI8	1.193462782	0.0252584
RPL18	Q07020	1.192153373	0.0474234
CD63	P08962	1.192084859	0.0316277
YWHAZ	P63104	1.191480751	0.0280242
EEF2	P13639	1.189503652	0.0369562
RAN	P62826	1.188857435	0.0276881
PKM	P14618	1.186077938	0.0268021
ALDH1A1	P00352	1.185548577	0.0356204
CLIC1	O00299	1.183983076	0.0444557
SUB1	P53999	1.182228431	0.0427235
TUBB4B	P68371	1.173758932	0.0310003
RPL29	P47914	1.169310246	0.0375751
HSP90AB1	P08238	1.167503666	0.0349507
HSP90AA1	P07900	1.163007438	0.0363892
RPL11	P62913	1.159529769	0.0479069
ANP32A	P39687	1.15732055	0.0452971
LDHB	P07195	1.156562013	0.0411303
TXN	P10599	1.156461252	0.0283663
PPIA	P62937	1.142530684	0.0280496
MRPL15	Q9P015	1.114430056	0.0135558
COX7A2L	O14548	1.035086023	0.0403735
ASNA1	O43681	0.998824547	0.0303125

ITCH	Q96J02	0.996936234	0.0106111
RHPN2	Q8IUC4	0.95943144	0.0199637
ADGRA3	Q8IWK6	0.889680453	0.0420695
MCM5	P33992	0.885196904	0.0476736
MOB1B	Q7L9L4	0.875091598	0.0331061
FOXK1	P85037	0.873991444	0.0033992
STRN4	Q9NRL3	0.864966998	0.02668
MIF	P14174	0.854836314	0.0203965
PGM1	P36871	0.853807642	0.0433049
HIST1H2AB	P04908	0.847328072	0.0424068
HM13	Q8TCT9	0.846278071	0.0449332
PPP1R14B	Q96C90	0.839554224	0.0322333
DENND4C	Q5VZ89	0.836761916	0.0021287
AHSG	P02765	0.833462393	0.0208752
RPL10	P27635	0.83260648	0.0278598
SRSF7	Q16629	0.832257909	0.0226788
SNRPD3	P62318	0.823278202	0.0399251
DPY30	Q9C005	0.822677568	0.0154633
PTGES3	Q15185	0.818497835	0.0337153
FBP2	O00757	0.817824591	0.048
SUPT16H	Q9Y5B9	0.812619617	0.0230378
RPS23	P62266	0.812411164	0.0242345
RPS6KA3	P51812	0.809792944	0.0486213
PTMS	P20962	0.80905685	0.0176428
KIAA0391	O15091	0.808080018	0.0358634
VAPA	Q9P0L0	0.807787704	0.0105688
DLST	P36957	0.804597088	0.0144116
BAX	Q07812	0.804046041	0.0421481
USH1C	Q9Y6N9	0.801768431	0.0469181
RPS26	P62854	0.800582022	0.0104237
ACOT1	Q86TX2	0.800446423	0.0407531
UQCRC1	P31930	0.798670422	0.0494445
CRABP2	P29373	0.798442493	0.030854
PAF1	Q8N7H5	0.79664471	0.0361173
TSPAN14	Q8NG11	0.793816991	0.0267718
TOMM22	Q9NS69	0.79317636	0.0426413
HDAC2	Q92769	0.791420901	0.0361257
PPP6R2	O75170	0.789191782	0.0412753
MGST2	Q99735	0.785800397	0.0188649
NDUFB11	Q9NX14	0.784917673	0.0491387
NPM3	O75607	0.784522697	0.0361426
ATL2	Q8NHH9	0.784101748	0.0465881
COX4I1	P13073	0.779370544	0.0171448
NDUFS3	O75489	0.778609849	0.0390777

WASF2	Q9Y6W5	0.777025998	0.0480834
TOMM40	O96008	0.774808863	0.0324376
ALDOC	P09972	0.774546178	0.034877
RHOT2	Q8IXI1	0.774452955	0.0469798
SRSF10	O75494	0.774287272	0.0417371
MRPL39	Q9NYK5	0.773894553	0.0489248
TRA2B	P62995	0.773696923	0.0378072
TECR	Q9NZ01	0.772721943	0.0306945
ACP6	Q9NPH0	0.772240005	0.0367253
HBA1	P69905	0.770272053	0.0368293
NIPSNAP2	O75323	0.769873708	0.0362188
QSOX1	O00391	0.769192508	0.0465264
H2AFV	Q71UI9	0.766712142	0.0176887
GOSR1	O95249	0.765376059	0.0490166
SLC25A12	O75746	0.764705325	0.0430813
MBD3	O95983	0.764323447	0.0434983
NDUFV2	P19404	0.763540092	0.0355999
MT-ND3	P03897	0.763059228	0.0361426
MTCH2	Q9Y6C9	0.758886132	0.02899
OCIAD2	Q56VL3	0.758828388	0.0253212
MSI2	Q96DH6	0.756818802	0.047265
RPL26	P61254	0.755823411	0.0280677
MPI	P34949	0.755415696	0.047184
PABPC4	Q13310	0.754947133	0.012741
COL4A3BP	Q9Y5P4	0.752854308	0.043583
LMNB1	P20700	0.751480376	0.0320713
GLA	P06280	0.749228197	0.0426727
TMEM205	Q6UW68	0.749122896	0.0469532
RSL1D1	O76021	0.748067322	0.0381082
CDK6	Q00534	0.746217138	0.0498338
SCYL2	Q6P3W7	0.746209075	0.0423004
ARHGDIB	P52566	0.744699262	0.0285222
RPS27L	Q71UM5	0.742195154	0.0226074
NDUFS7	O75251	0.741170734	0.0235068
HIST1H2BN	Q99877	0.738324768	0.0078743
MTX1	Q13505	0.737954404	0.0446068
TMCO1	Q9UM00	0.736888048	0.0441982
NDUFB3	O43676	0.735772472	0.0264878
COX6B1	P14854	0.735219198	0.0239662
CYC1	P08574	0.734799136	0.0208571
SLC39A7	Q92504	0.734277659	0.0237461
TRAPPC2B	P0DI82	0.733356372	0.0456791
TOMM20	Q15388	0.732936327	0.0195431
ENDOD1	O94919	0.72952923	0.0221408

MT-CYB	P00156	0.729158178	0.0261251
AGR3	Q8TD06	0.726118864	0.0495521
MRPS28	Q9Y2Q9	0.725240039	0.0339873
MRPL20	Q9BYC9	0.723664707	0.0427017
RFC5	P40937	0.723045434	0.0323614
HSD17B11	Q8NBQ5	0.72241803	0.0330118
ERCC6L	Q2NKX8	0.720898641	0.0389193
COTL1	Q14019	0.719998098	0.0124001
NARS2	Q96I59	0.71840628	0.0251339
P4HA1	P13674	0.716418279	0.0242393
TMED4	Q7Z7H5	0.716392244	0.0159541
LXN	Q9BS40	0.715901547	0.0360979
CHDH	Q8NE62	0.714260501	0.0461989
CELF1	Q92879	0.714067964	0.0335267
EXOC6	Q8TAG9	0.712906158	0.0235902
VDAC3	Q9Y277	0.710709571	0.0292354
TBC1D4	O60343	0.710580657	0.0122333
PHB2	Q99623	0.707855012	0.0104527
MT-CO2	P00403	0.706506758	0.0114016
DNAJC8	O75937	0.703363263	0.0147585
ALB	P02768	0.702435286	0.0093889
EIPR1	Q53HC9	0.701196911	0.0435443
ABCB10	Q9NRK6	0.699884164	0.0377105
UQCRC2	P22695	0.699624412	0.0185059
INTS5	Q6P9B9	0.6972494	0.034877
NDUFS2	O75306	0.696617087	0.0179849
COX7A2	P14406	0.695841019	0.0115636
PYCR3	Q53H96	0.695003167	0.0237111
TRAM1	Q15629	0.694313523	0.019705
BIRC6	Q9NR09	0.694306931	0.0476712
GPX4	P36969	0.694186182	0.0282962
NDUFA5	Q16718	0.693659649	0.0200423
NOP53	Q9NZM5	0.69340169	0.0398296
AP1G2	O75843	0.690630565	0.0157365
IBA57	Q5T440	0.688943568	0.0287471
PDIA5	Q14554	0.685376282	0.0218338
UHRF1	Q96T88	0.683875657	0.0027706
RBM39	Q14498	0.683353234	0.0144382
NT5DC2	Q9H857	0.68299339	0.0327894
APOOL	Q6UXV4	0.682186007	0.0181239
CREB1	P16220	0.680804964	0.0009804
NDUFB9	Q9Y6M9	0.678666965	0.0122684
RPL36AL	Q969Q0	0.675557894	0.0038719
NDUFB10	O96000	0.674514197	0.0135002

CKMT1A	P12532	0.67434279	0.0205101
KIF13A	Q9H1H9	0.673477618	0.0246794
CHCHD3	Q9NX63	0.671456123	0.0170734
MBOAT7	Q96N66	0.670473199	0.0154657
COG5	Q9UP83	0.67036191	0.0201777
H3F3A	P84243	0.667229133	0.0159093
MYO19	Q96H55	0.665117241	0.0280568
DPY19L1	Q2PZI1	0.6648343	0.0279529
DCTD	P32321	0.66349004	0.0253128
LMNB2	Q03252	0.663243631	0.0225953
MT-ATP6	P00846	0.662083361	0.0078876
TUBB4A	P04350	0.659960104	0.007201
RHOT1	Q8IXI2	0.659155716	0.0178894
SMU1	Q2TAY7	0.658651461	0.0164618
NDUFA9	Q16795	0.657694857	0.0128885
LSM8	O95777	0.656720436	0.0185409
PRKRA	O75569	0.65626514	0.0209115
NDUFS1	P28331	0.653663106	0.0148166
GSPT1	P15170	0.652683811	0.0025059
AP2M1	Q96CW1	0.651434032	0.0117715
USP39	Q53GS9	0.650789438	0.02033
NDUFB8	O95169	0.650143889	0.0123288
KIAA1217	Q5T5P2	0.64980378	0.0185035
ADI1	Q9BV57	0.64912348	0.0143439
COX5B	P10606	0.648656595	0.0064733
MARCKSL1	P49006	0.648013989	0.0056307
SNRPN	P63162	0.64695977	0.0085923
NNT	Q13423	0.646785228	0.0088595
NDUFB1	O75438	0.645384127	0.0107972
KRT1	P04264	0.644441355	0.0191961
LIG1	P18858	0.643691491	0.0230898
LY75	O60449	0.64298739	0.0441293
ALDH1A3	P47895	0.641360148	0.000926
NFKB1	P19838	0.641146124	0.0239903
POP1	Q99575	0.639444031	0.022269
VTN	P04004	0.638180522	0.0215388
NDUFS5	O43920	0.637988641	0.0123155
PRPF40A	O75400	0.636350968	0.0155648
RAP1A	P62834	0.636088591	0.0194826
SUPT6H	Q7KZ85	0.635692219	0.0174675
NOP2	P46087	0.634975257	0.0104358
NDUFB4	O95168	0.634515707	0.0134711
SNRPA1	P09661	0.634092024	0.0047156
MRPS2	Q9Y399	0.631066894	0.0339196

TCOF1	Q13428	0.630071139	0.0107114
SERPINB9	P50453	0.629050968	0.0103101
MT-ND4	P03905	0.627704881	0.013123
GRB7	Q14451	0.625147313	0.0262484
MT-ND2	P03891	0.624872821	0.0076349
ATP5S	Q99766	0.622933778	0.0258495
NEK7	Q8TDX7	0.621516659	0.0089695
IFI35	P80217	0.621125454	0.0353629
MT-CO1	P00395	0.620390018	0.0073629
TRA2A	Q13595	0.615618218	0.0120351
TMTC3	Q6ZXV5	0.612110139	0.0100586
SDHA	P31040	0.609661874	0.0095026
SF3B4	Q15427	0.607332721	0.0100623
NDUFV1	P49821	0.606647255	0.0128522
LYZ	P61626	0.605064008	0.0115552
EHD2	Q9NZN4	0.601872834	0.0252862
SCCPDH	Q8NBX0	0.600348839	0.0140731
MED24	O75448	0.599705358	0.0196785
NDUFS8	O00217	0.594345043	0.0033182
VDAC1	P21796	0.588490796	0.0052149
RBM27	Q9P2N5	0.579053435	0.0175582
RAVER1	Q8IY67	0.576720112	0.0112336
RMDN3	Q96TC7	0.576388595	0.0133551
MAN1A1	P33908	0.573789136	0.0209465
MACF1	Q9UPN3	0.573094219	0.0104358
ZKSCAN1	P17029	0.572758696	0.0240641
RHOC	P08134	0.564841977	0.0065204
FHL2	Q14192	0.564042206	0.011062
COX5A	P20674	0.553357053	0.0049513
HIST2H3A	Q71DI3	0.548247539	0.0081088
RPL37A	P61513	0.532854345	0.0042841
VDAC2	P45880	0.532150542	0.0028504
DNAJC5	Q9H3Z4	0.525947008	0.007265
VPS25	Q9BRG1	0.521429212	0.0053321
SDHC	Q99643	0.51653344	0.0042236
RBM14	Q96PK6	0.513269685	0.0066449
FAHD2A	Q96GK7	0.508986798	0.0131786
PPIC	P45877	0.506488351	0.0004098
DHX40	Q8IX18	0.503144307	0.0103584
MAD1L1	Q9Y6D9	0.500196061	0.0021348
NDUFA13	Q9POJ0	0.499101186	0.0037461
SNRPF	P62306	0.495888068	0.0041245
FTSJ3	Q8IY81	0.495348072	0.0299801
NDUFB5	O43674	0.492772066	0.0021783

MT-CO3	P00414	0.487293584	0.0147174
SAMM50	Q9Y512	0.486830071	0.0050323
G3BP2	Q9UN86	0.484853728	0.0015098
HIST1H4A	P62805	0.474863921	0.0013889
NME3	Q13232	0.469516572	0.0016355
TMEM33	P57088	0.464155687	0.0040435
PRPF38B	Q5VTL8	0.45397161	0.0057782
ROCK1	Q13464	0.442664112	0.0051484
SPRYD7	Q5W111	0.437729474	0.008162
KLHDC4	Q8TBB5	0.42656327	0.0021578
NDRG1	Q92597	0.425261794	0.0024044
SLC25A4	P12235	0.423790505	0.0022714
COA7	Q96BR5	0.420548238	0.0052257
GIPC2	Q8TF65	0.406651705	0.0044594
LRSAM1	Q6UWE0	0.401726989	0.0021227
DHX38	Q92620	0.379446929	0.0003083
ABRACL	Q9P1F3	0.373331911	0.0036277
RPL21	P46778	0.371723417	0.0011327
EPN1	Q9Y6I3	0.285136646	0.0016355
PACS1	Q6VY07	0.273088274	0.0001402
ACTA2	P62736	0.19521052	4.956E-05