Supplementary Table Legends

Supplementary Table 1: The functional classification of the proteins (as described in Collins et al. 2006) found in hippocampal post synaptic density proteome. Shaded rows distinguish those proteins that were quantified based on criteria described in Materials and Methods.

Supplementary Table 2: Protein data from lithium-treated versus controls; comparisons of summed peptide intensities with effect sizes. Effect sizes (Cohen's d) were calculated using $2t/\sqrt{df_{error}}$, where 0.8 is considered a large effect, 0.5 moderate, and 0.2 small. Proteins are sorted from largest to smallest effect size using absolute values. Positive effect sizes indicate higher levels on lithium. The p value shown in table is calculated by two tailed T- test as described in protein quantification and statistical analyses section of Materials and Methods.

Supplementary Table 3: Protein data from valproate-treated versus controls; comparisons of summed peptide intensities with effect sizes. Effect sizes (Cohen's d) were calculated using $2t/\sqrt{df_{error}}$, where 0.8 is considered a large effect, 0.5 moderate, and 0.2 small. Proteins are sorted from largest to smallest effect size using absolute values. Positive effect sizes indicate higher levels on valproate. The p value shown in table is calculated by two tailed T- test as described in protein quantification and statistical analyses section of Materials and Methods.

Supplementary Table 4: The top five non-canonical networks of proteins identified by Ingenuity Pathway Analysis.

Supplementary Table 5: Concentration (log2-fold) changes of major scaffolding proteins of post synaptic density protein complex purified from hippocampus of lithium and valproate treated rats.

Protein Name	Rat only Uniprot accesion numbers	Molecular weight (Daltons)	Control 1 Peptides	Control 1 % covereage	Control 2 Peptides	Control 2 % covereage	Control 3 Peptides	Control 3 % covereage	Total Control Spectral Hits	Valproate 1 Peptides	Valproate 1 % covereage	Valproate 2 Peptides	Valproate 2 % covereage	Valproate 3 Peptides	Valproate 3 % coverage	Total Valproate Spectral hits	Lithium 1 Peptides	Lithium 1 % coveage	Lithium 2 Peptides	Lithium 2 % coverage	Lithum 3 Peptides	Lithium 3 % coverage	Total Lithium Spectral Hits	Description
CHANNELS AND RECEPTROS																								
GLUTMATE RECEPTORS																								
GRIA2_RAT	P19491	99252.39	9	13.8	15	23.1	12	19.5	131	12	20.5	14	23.2	13	21.7	128	13	21.5	15	23.7	14	23	156	Glutamate receptor 2
GRIA1_RAT	P19490	102312.53	7	11.9	9	13.7	10	15	83	12	21.7	14	22.2	11	16.8	97	11	16.9	12	16.9	8	12.5	92	Glutamate receptor 1
GRIA3_MOUSE	Q9Z2W9	100933.94	3	5.4	3	5.4	3	5.4	58	5	9.6	4	8	4	8	51	4	6.6	3	5.4	4	8	74	Glutamate receptor 3
GRIA4_HUMAN	P48058	101547.84	2	3.1	3	4.1	3	4.1	50	2	3.1	2	3.1	2	3.1	39	2	3.1	3	4.1	2	3.1	63	Glutamate receptor 4
NMDE2_MOUSE	Q01097	167563.68	10	8.9	13	11.6	11	10.2	155	11	9.1	10	10.1	14	13.9	120	12	11.9	12	11.7	11	10.6	152	Glutamate [NMDA] receptor subunit epsilon-2
NMDZ1_RAT	P35439	105509	8	7.9	10	10.6	14	14.9	98	4	4.9	4	4.8	5	6.6	66	7	8	14	16.4	9	10.3	77	Glutamate [NMDA] receptor subunit zeta-1
NMDE1_RAT	Q00959	166674.87	2	2.3	5	4.6	7	7.5	28	3	3.7	6	6.8	8	8.5	31	8	8.6	3	3	6	6.1	37	Glutamate [NMDA] receptor subunit epsilon-1
GRM3_RAT	P31422	100777.56	3	5.1	2	3.8	2	3.8	22	2	3.8	2	3.8	2	3.8	28	2	3.8	2	3.8	3	5.1	37	Metabotropic glutamate receptor 3
GRM2_RAT	P31421	97274.06	2	2.6	2	2.6	1	1.7	17	2	2.6	2	2.6	2	2.6	24	1	1.7	2	2.6	3	3.8	21	Metabotropic glutamate receptor 2
GRM5_RAT	P31424	133966.93	2	4.2	3	5.2	2	4.4	15	3	5.2	2	4.4	1	3.4	12	3	5.2	2	4.4	1	3.4	12	Metabotropic glutamate receptor 5
GRM7_RAT	P35400	103781.6	1	1.7	2	3.1	1	1.7	7	1	1.7	1	1.7	1	1.7	3	1	1.7	1	1.3	1	1.7	5	Metabotropic glutamate receptor 7
GRM1_RAT	P23385	134163.91	1	0.8	1	0.8	1	0.8	8	0	0	0	0	0	0	0	1	0.8	1	0.8	0	0	6	Metabotropic glutamate receptor 1
OTHER LIGAND RECEPTORS																								
LPHN1_RAT	O88917	164609.3	1	1.2	2	1.3	1	0.7	13	0	0	1	0.7	0	0	2	1	0.7	1	0.7	2	1.3	11	Latrophilin-1
GABR2_RAT	O88871	106779.99	1	2.3	3	5.5	2	3.7	15	2	4.1	3	5.2	2	4.1	15	2	3.7	2	2.4	4	6.6	16	Gamma-aminobutyperic acid type B receptor subunit 2
SC6A1_RAT	P23978	67755.4	1	3.5	1	3.5	1	3.5	14	1	3.5	1	3.5	1	3.5	14	1	3.5	1	3.5	1	3.5	12	Sodium- and chloride-dependent GABA transporter 1
GBRB3_RAT	P63079	54422.95	2	6.1	1	3.6	1	3.6	7	1	3.6	1	3.6	1	3.6	7	1	3.6	1	3.6	2	6.1	7	Gamma-aminobutyperic acid receptor subunit beta-3
GABR1_RAT	Q9ZOU4	109334.93	0	0	2	3.1	1	1.6	5	0	0	0	0	0	0	0	1	1.6	0	0	1	1.6	3	Gamma-aminobutyperic acid type B receptor subunit 1
Ca2+ - ATPases																								
AT2B1_RAT	P11505	139601.26	6	4.5	4	2.9	5	3.6	54	7	7.1	9	9.1	5	5.3	71	7	5.9	4	3.4	4	3.7	60	Plasma membrane calcium-transporting ATPase 1
AT2B2_RAT	P11506	137986.87	5	3.9	4	3.2	5	3.9	39	4	3.3	4	3.8	3	3.2	43	7	7	4	4.7	3	3.1	46	Plasma membrane calcium-transporting ATPase 2
AT2B3_RAT	Q64568	135252.58	4	2.7	4	3.2	4	2.7	36	3	2.1	4	4.3	2	2	41	6	6	4	4.8	2	2	44	Plasma membrane calcium-transporting ATPase 3
AT2A2_RAT	P11507	111064.81	0	0	4	5.4	1	1.1	10	3	4.4	5	7.7	3	4.3	23	3	4.2	1	1.5	0	0	10	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
Na/K ATPase																								
AT1A3_RAT	P06687	113102.45	14	19	15	22	16	22.8	235	13	17	18	24.6	18	24.6	240	14	18.6	13	19	17	23.6	259	Sodium/potassium-transporting ATPase subunit alpha-3
AT1A2_RAT	P06686	113456.96	11	14	14	18.7	12	16.3	209	11	13.7	11	14.4	12	14.8	190	9	12.1	12	16	14	18.5	214	Sodium/potassium-transporting ATPase subunit alpha-2
AT1A1_RAT	P06685	114221.3	10	12.8	11	15.5	10	14.3	178	11	14.6	10	13.3	10	13.3	180	10	13.3	13	17.6	11	15.5	212	Sodium/potassium-transporting ATPase subunit alpha-1
AT1B1_RAT	P07340	35571.11	4	12.8	4	12.8	4	12.8	82	4	12.8	5	16.4	5	16.4	68	4	12.8	4	12.8	4	12.8	71	Sodium/potassium-transporting ATPase subunit beta-1
VOLTAGE & LIGAND GATED CALCIUM CHANNEL																								
CCG8_RAT	Q8VHW5	43825.26	2	7.8	3	8.3	3	8.3	26	1	3.5	2	4	3	8.3	16	2	4	2	4	2	4	20	Voltage-dependent calcium channel gamma-8 subunit
CACB4_MOUSE	Q8R0S4	58169.29	1	2.3	3	5.6	2	3.7	12	3	7.5	3	7.5	2	6.2	11	3	5.6	2	3.7	2	3.7	13	Voltage-dependent L-type calcium channel subunit beta-4
CACB1_RAT	P54283	65748.66	1	2	4	8.2	3	6.5	15	3	6.5	3	6.5	2	5.4	10	4	8.2	2	3.2	3	6.5	16	Voltage-dependent L-type calcium channel subunit beta-1 B
CACB3_RAT	P54287	54763.48	2	4.8	3	6	2	3.9	13	2	3.9	3	8.1	2	6.6	9	3	6	2	3.9	2	3.9	13	Voltage-dependent L-type calcium channel subunit beta-3 B
CAC1A_MOUSE	P97445	269244.28	1	0.9	3	1.9	1	0.9	9	1	0.9	1	0.9	1	0.9	8	2	1.5	0	0	2	1.5	7	Voltage-dependent P/Q-type calcium channel subunit alpha-1A
CACB2_RAT	Q8VGC3	67842.47	1	2	3	4.8	2	3.2	12	2	3.2	2	3.2	1	2	7	3	4.8	2	3.2	3	6.5	14	Voltage-dependent L-type calcium channel subunit beta-2
CA2D1_RAT	P54290	125691.86	1	1.2	2	2.5	1	1.2	8	1	1.2	1	1.2	1	1.2	5	1	1.2	2	2.8	1	1.2	10	Voltage-dependent calcium channel subunit alpha-2/delta-1
CAC1E_MOUSE	Q61290	259180.49	0	0	2	1.6	0	0	3	2	1.6	1	0.7	0	0	4	0	0	1	0.9	0	0	1	Voltage-dependent R-type calcium channel subunit alpha-1E
CA2D3_RAT	Q8CFG5	124073.64	0	0	0	0	1	1.6	3	1	1.6	1	1.6	1	1.6	4	1	1.6	0	0	0	0	2	Voltage-dependent calcium channel subunit alpha-2/delta-3
VOLTAGE GATED POTTASSIUM CHANNEL																								
KCNA1_RAT	P10499	56799.6	2	6.9	3	9.5	4	12.9	40	3	9.5	4	12.9	3	9.5	48	2	6.9	2	6.9	3	9.5	31	Potassium voltage-gated channel subfamily A member 1
KCD16_MOUSE	Q5DTY9	49961.75	2	3.7	3	6.5	3	6.3	29	2	4.7	3	6.3	4	9.1	24	2	4.9	2	3.7	2	4.9	20	BTB/POZ domain-containing protein
KCNA2_RAT	P63142	57136.64	1	1.8	3	7.2	4	10.8	15	2	4.4	5	13.6	2	4.4	24	1	1.8	2	4.6	2	4.4	9	Potassium voltage-gated channel subfamily A member 2
KCNA3_RAT	P15384	64485.34	1	1.6	2	3.8	4	9.4	14	2	3.8	4	9.4	2	3.8	22	1	1.6	1	1.6	2	3.8	8	Potassium voltage-gated channel subfamily A member 3
KCAB2_RAT	P62483	41280.15	2	6	1	3.3	3	12.3	17	2	8.7	2	8.7	2	8.7	17	1	3.3	2	11.2	2	6.8	11	Voltage-gated potassium channel subunit beta-2
VOLTAGE DEPENDENT ANION CHANNEL																								
VDAC1_RAT	Q9Z2L0	32502.44	12	48	17	56.8	17	64.5	1096	15	54.1	19	67.6	19	72	872	16	54.1	16	59.5	16	61.8	1074	Voltage-dependent anion-selective channel protein 1
VDAC2_RAT	P81155	32339.81	10	40	12	44.4	12	47.1	744	11	47.1	12	47.1	13	48.5	703	13	47.1	14	56.6	12	44.4	791	Voltage-dependent anion-selective channel protein 2
VDAC3_RAT	Q9R120	31177.53	8	27.9	11	35	12	37.8	578	10	32.2	12	37.8	11	37.8	542	11	32.2	11	35	11	32.2	621	Voltage-dependent anion-selective channel protein 3
CALCIUM RELEASE CHANNEL																								
RYR2_HUMAN	Q92736	569626.29	0	0	0	0	0	0	0	1	0.2	2	0.4	1	0.2	7	0	0	1	0.2	0	0	1	Ryanodine receptor 2
SODIUM CHANNEL																								
SCN2A_RAT	P04775	229993.73	0	0	0	0	0	0	0	0	0	1	0.8	1	0.8	2	1	0.8	1	0.8	0	0	3	Sodium channel protein type 2 subunit alpha
OTHER CHANNEL AND RECEPTORS																								
BAIP2_RAT	Q6GMN2	59373.96	13	28	18	47.5	20	52.3	190	14	38.9	14	34.2	16	37.9	161	16	38.1	15	40.6	18	43.2	190	Brain-specific angiogenesis inhibitor 1-associated protein 2
CNRP1_RAT	Q5M7A7	18766.57	0	0	0	0	1	6.7	1	1	6.7	0	0	1	6.7	6	1	6.7	0	0	0	0	1	CB1 cannabinoid receptor-interacting protein 1
BAI1_MOUSE	Q3UHD1	176900.21	0	0	0	0	1	1.1	2	0	0	1	1.1	1	1.1	2	1	1.1	0	0	0	0	1	Brain-specificangiogenesis inhibitor 1
NAC2_RAT	P48768	101387.57	2	4.1	2	4.1	2	4.1	22	3	5.2	2	4.1	2	4.1	33	2	4.1	1	1.8	2	4.1	16	Sodium/calcium exchanger 2
IRK4_RAT	P52190	50095.05	0	0	1	2.9	1	2.9	3	0	0	1	2.9	1	2.9	2	1	2.9	0	0	0	0	2	Inward rectifier potassium channel 4
FXYD7_RAT	P59649	8517.34	1	20.5	1	20.5	0	0	4	1	20.5	1	20.5	1	20.5	4	1	20.5	0	0	1	20.5	2	FXYD domain-containing ion transport regulator
S12A5_RAT	Q63633	127470.45	4	4.4	2	2.6	2	2.6	16	3	3.6	4	4.4	2	3	17	2	2.6	4	4.5	3	3.4	19	Solute carrier family 12 member 5
EAA2_RAT	P31596	62576.98	1	2.3	1	2.3	1	2.3	14	1	2.3	1	2.3	1	2.3	11	1	2.3	1	2.3	1	2.3	10	Excitatory amino acid transporter 2
EAA1_RAT	P24942	59723.76	2	6.5	2	6.5	1	3.7	11	2	6.5	2	6.5	2	6.5	16	1	3.7	2	6.5	2	6.5	13	Excitatory amino acid transporter 1
EPHA4_MOUSE	Q03137	111443.28	0	0	1	1.1	0	0	1	0	0	1	1.1	1	1.1	5	2	2.4	0	0	0	0	2	Eph type-A receptor 4
ADAPTERS AND SCAFFOLDERS																								
PDZ-DOMAIN CONTAINING SCAFFOLDERS																								
PCLO_RAT	Q9JKS6	554200.64	22	7.2	36	12.2	32	11.6	318	29	10.3	34	12.4	37	12.4	265	30	11.3	26	8.5	34	12.3	319	Protein piccolo
DLG4_RAT	P31016	80757.89	5	9.3	14	25.1	14	26.4	163	11	19.6	12	26.2	14	29.4	199	11	23.3	13	25.3	12	22.7	219	Disks large homolog 4
DLG3_RAT	Q62936	90827.84	7	12.2	12	20.1	11	19	101	10	17.7	12	20.9	11	17.9	81	9	16.6	7	12.1	9	17.7	76	Disks large homolog 3
DLG2_RAT	Q63622	95331.45	5	8.5	11	20.3	9	17.4	83	7	13.6	10	21.2	9	16.2	79	8	14.2	6	10.3	8	16.7	76	Disks large homolog 2
DLG1_RAT	Q62696	100678.34	2	3.4	3	4.8	2	3.4	18	2	3.4	3	6.2	2	3.4	17	2	3.4	1	2	1	2	9	Disks large homolog 1
SHAN1_RAT	Q9WV48	226994.42	14	10.9	20	16.2	16	14	261	16	12.8	16	13.9	18	14.6	209	21	17.4	17	13.7	19	15.7	234	SH3 and multiple anky repeat domains protein 1
SHAN2_RAT	Q9QX74	159099.2	8	8.3	9	9.1	10	9.8	79	7	7.9	6	6.1	6	6.5	81	5	5.6	3	3.9	7	7.3	72	SH3 and multiple anky repeat domains protein 2
SHAN3_RAT	Q9JLU4	193824.1	10	9.6	10	7.8	13	12.6	92	7	6.2	12	10.8	12	10	81	10	9.4	9	9	10	9	89	SH3 and multiple ankyrin repeat domains protein 3
HOME3_RAT	Q9Z2X5	39867.21	2	8.1	3	10.3	2	8.1	21	1	2.2	3	12.8	2	8.1	12	3	13.1	2	9.8	3	12.8	16	Homer protein homolog 3
HOME1_RAT	Q9Z214	41393.87	7	23	10	34.4	12	40.7	149	6	20.8	9	32.5	9	32.5	95	8	27	6	23	12	44	97	Homer protein homolog 1
HOME2_RAT	O88801	40773.66	1	2.3	2	5.1	1	2.3	13	1	2.3	1	2.3	2	5.1	8	1	2.3	0	0	1	2.3	5	Homer protein homolog 2
CNKR2_RAT	Q9Z1T4	118601.28	4	5.7	5	6.5	6	7.7	32	5	6.7	4	5.9	3	4.6	27	3	4.6	2	2.6	3	4.6	17	Connector enhancer of kinase suppressor of ras 2
NON-PDZ-DOMAIN CONTAINING SCAFFOLDERS																								
AKAP5_RAT	P24587	76030.13	2	4.1	2	4.1	3	6.6	28	3	7.4	2	4.1	2	4.1	27	1	1.8	3	6.6	2	4.1	19	A-kinase anchor protein
FRS3_RAT	Q52RG8	55054.86	1	3.9	0	0	1	3.9	3	1	3.9	1	3.9	0	0	2	0	0	0	0	0	0	0	Fibroblast growth factor receptor substrate 3
BEGIN_RAT	O88881	67522.01	2	3.6	3	5.2	4	8.3	21	1	1.6	3	6.2	5	9.5	15	3	6.2	3	6.5	3	6.2	17	Brain-enriched guanylate kinase-associated protein
CSKI1_RAT	Q8VHK2	150882.12	4	5.1	4	5.6	4	5.1	42	6	7.6	5	6.9	5	6.9	66	3	4.1	1	1.6	5	6.9	22	Caskin-1
DLGP3_MOUSE	Q6PFD5	106776.89	5	6.6	7	8	5	5.7	109	4	5.6	5	9.1	6	10.5	73	6	7.6	6	7.5	6	6.3	71	Disks large-associated protein 3
DLGP1_RAT	P97836	111363.37	3	4	4	5.4	4	5.4	40	3	4.8	6	7.5	6	7.9	36	4	4.8	4	5.4	4	5.4	41	Disks large-associated protein 1
DLGP4_RAT	P97839	108939.74	1	1.5	4	6.2	3	4.3	35	4	5	3	4.3	5	7.3	35	3	4.3	1	1.4	3	4.3	20	Disks large-associated protein 4
DLGP2_RAT	P97837	120271.95	4	4.9	9	12.5	6	7.5	41	2	2	4	6.4	1	1.3	13	6	6.9	3	3.2	6	7.6	28	Disks large-associated protein 2
DMXL2_MOUSE	Q8BPN8	341530.77	0	0	3	1.4	3	1.5	9	2	0.9	4	2.2	2	0.9	13	3	1.7	1	0.6	2	0.9	11	DmX-like protein 2
EP15R_MOUSE	Q60902	94311.08	1	2.2	1	2.2	1	2.2	4	0	0	0	0	1	2.2	2	1	2.2	0	0	1	2.2	6	Epideal growth factor receptor substrate
FLOT1_RAT	Q9Z1E1	47754.67	2	5.6	9	27.6	9	28.5	80	4	11.4	6	18	7	22.9	81	9	27.6	7	22.2	10	29.4	93	Flotillin-1
FLOT2_RAT	Q9Z2S9	41804.21	2	7.4	7	24	7	24.5	57	4	14.5	5	17.9	5	18.2	60	6	21.1	4	15.3	9	30.9	77	Flotillin-2
WDR37_MOUSE	Q8CBE3	55696.05	0	0	1	3	1	3	6	1	3	2	6	1	3	16	1	3	3	8.7	1	3	17	WD repeat-containing protein 37
WDR7_RAT	Q9ERH3	165594.91	1	1.1	3	3.3	3	3.7	8	3	3	5	5.6	2	2.3	13	3	3	2	1.4	0	0	8	WD repeat-containing protein 7
WDR47_MOUSE	Q8CGF6	103423.74	1	1.1	1	1.4	0	0	6	1	2.1	1	1.4	1	2.1	3	1	2.1	1	1.1	0	0	2	WD repeat-containing protein 47

14-3-3																							
1433F_RAT	P68511	28365.09	4	19.5	6	19.5	5	19.5	55	4	15.4	6	19.5	6	19.5	58	5	19.5	4	16.7	4	16.7	46	14-3-3 protein eta
1433G_RAT	P61983	28406	4	19.4	5	19.4	5	19.4	99	4	15.4	4	19.4	4	19.4	93	4	19.4	5	24.3	5	19.4	96	14-3-3 protein gamma
1433Z_RAT	P63102	27924.81	5	24.5	7	29.4	7	29.4	59	4	14.7	8	29.4	5	24.5	47	6	29.4	7	29.4	6	24.5	68	14-3-3 protein zeta/delta
1433E_RAT	P62260	29326.48	5	22.7	5	22.7	5	27.5	40	3	14.1	7	37.3	4	18	46	5	27.5	4	18	4	18	39	14-3-3 protein epsilon
1433T_RAT	P68255	28031.87	3	13.9	3	11	3	13.9	26	2	9.8	3	13.9	3	13.9	25	3	13.9	4	16.7	3	13.1	28	14-3-3 protein theta
KINASE & PHOSPHATASES																							
SERINE/THREONINE KINASE																							
AAK1_RAT	P0C1X8	104023.72	1	1.6	2	3.1	1	1.6	7	2	2.6	0	0	1	1.6	4	3	4.4	0	0	1	1.6	6	AP2-associated protein kinase 1
KCC2A_RAT	P11275	54650.76	10	29.1	12	30.5	11	29.5	1318	14	43.7	15	36	14	35.4	1822	12	30.5	11	29.5	11	28.5	1401	Calcium/calmodulin-dependent protein kinase type II alpha chain
KCC2B_MOUSE	P28652	61163.95	11	29.2	14	36.9	14	36.9	564	15	36.5	16	39.3	13	35.8	614	14	33.9	11	27.9	12	29.5	544	Calcium/calmodulin-dependent protein kinase type II beta chain
KCC2D_RAT	P15791	60669.79	4	10.1	7	15.6	4	8.3	303	7	14.3	6	13.9	6	11.4	353	7	13.1	5	9.9	7	13.1	274	Calcium/calmodulin-dependent protein kinase type II delta chain
KCC2G_RAT	P11730	59685.32	7	16.5	9	23.7	10	28.1	276	6	15	9	24.3	9	21.8	273	9	21.8	8	19	8	19	281	Calcium/calmodulin-dependent protein kinase type II gamma chain
CDK5_RAT	Q03114	33689.4	0	0	1	2.7	1	2.7	2	1	2.7	1	2.7	1	2.7	6	0	0	1	2.7	0	0	1	Cell division protein kinase 5
KPCG_RAT	P63319	79561.54	4	8.3	5	8.5	4	7.7	73	6	11.8	6	12.6	4	8.3	87	4	8.3	4	7.7	4	8.3	72	Protein kinase C gamma type
DCLK2_MOUSE	Q6PGN3	84585.86	0	0	0	0	0	0	0	1	1.8	1	1.8	1	1.8	4	1	1.4	1	1.4	1	1.8	8	serine/threonine-protein kinase
KC1G1_RAT	Q62761	45383.03	0	0	1	2.3	1	2.3	4	1	2.3	1	2.3	1	2.3	5	1	2.3	1	2.3	1	2.3	8	Casein kinase I isofo gamma-1
CSK21_RAT	P19139	45228.84	1	4.6	1	4.6	2	9.7	10	2	9.7	2	9.7	2	9.7	21	1	4.6	1	4.6	1	4.6	13	Casein kinase II subunit alpha
DCLK1_MOUSE	Q9JLM8	84671.22	4	7.5	5	8.2	4	7.5	73	5	9.4	8	15.6	9	19	73	7	13.8	7	13.4	7	13.8	94	serine/threonine-protein kinase
MINK1_MOUSE	Q9JM52	147916.73	3	3.1	5	5.9	3	4.4	17	4	4.9	3	4.3	2	3.7	13	3	4.3	1	1.8	3	4.4	13	Misshapen-like kinase 1
MARK4_MOUSE	Q8CIP4	83266.66	0	0	1	2.4	1	2.4	4	1	2.4	1	2.4	0	0	3	0	0	1	2.4	0	0	1	MAP/microtubule affinity-regulating kinase 4
MARK2_RAT	O08679	81163.61	1	2.9	1	2.8	1	2.8	4	1	1.7	1	2.8	0	0	2	1	1.7	1	2.8	1	1.7	3	serine/threonine-protein kinase MARK2
GLPK_RAT	Q63060	62077.31	1	2.3	3	7.2	4	10.6	16	1	2.1	3	8.9	1	3.4	6	0	0	4	7.9	0	0	11	Glycerol kinase
GSK3B_RAT	P18266	47194.13	1	8.8	3	14.5	2	14.5	11	2	14.5	2	14.5	2	14.5	11	3	14.5	1	8.8	2	14.5	11	Glycogen synthase kinase-3
PI4KA_HUMAN	P42356	231753.93	1	0.3	1	0.3	1	0.3	3	1	0.3	1	0.3	1	0.3	3	0	0	1	0.6	0	0	1	Phosphatidylinositol 4-kinase
IP3KA_RAT	P17105	51547.19	3	8.9	2	5.9	2	5.9	26	3	8.9	3	8.9	2	5.9	14	3	8.9	2	5.2	2	5.9	20	Inositol-trisphphate 3-kinase A
SPHK2_MOUSE	Q9JIA7	66204.16	1	1.8	0	0	1	1.8	2	1	1.8	1	1.8	1	1.8	6	0	0	0	0	0	0	0	Sphingosine kinase 2
KAPCB_RAT	P68182	40853.1	2	5.4	2	6	2	6	20	2	6	2	6	2	6	20	2	6	2	6	3	8.8	26	cAMP-dependent protein kinase catalytic subunit beta
KAP3_RAT	P12369	46493.08	2	6.7	3	12	2	7.5	16	3	11.5	3	11.5	3	11.1	21	3	11.5	3	11.1	3	11.5	26	cAMP-dependent protein kinase type II-beta regulatory subunit
KAPCA_RAT	P27791	40708	2	5.4	2	6	2	6	19	2	6	2	6	2	6	14	2	6	2	6	3	8.8	20	cAMP-dependent protein kinase catalytic subunit alpha
KAP0_RAT	P09456	43183.05	1	4.7	1	4.7	1	2.1	5	2	6.8	2	6.8	1	2.1	8	1	2.1	0	0	1	4.7	2	cAMP-dependent protein kinase type I-alpha regulatory subunit
TAOK1_RAT	O88664	116453.6	0	0	1	1.3	1	1.3	4	1	1.3	1	1.3	1	1.3	3	1	1.3	0	0	0	0	1	serine/threonine-protein kinase TAO1
KAP2_RAT	P12368	45796.85	1	3	0	0	1	3.7	3	1	3.7	2	7.7	0	0	3	1	3.7	1	3.2	1	3.7	3	cAMP-dependent protein kinase type II-alpha regulatory subunit
TNIK_HUMAN	Q9UKE5	155360.73	1	0.6	3	2.1	2	2.1	10	2	1.1	2	2.1	0	0	8	2	2.1	0	0	2	2.1	5	TRAF2 and NCK-interacting protein kinase
TYROSINE KINASE																							
FYN_RAT	Q62844	60718.01	4	6	4	6	4	6	40	3	4.3	4	7.3	2	4.3	31	4	6	3	4.3	4	6	48	Proto-oncogene tyrosine-protein kinase
SRC_RAT	Q9WUD9	59834.9	2	3.4	4	6	3	4.3	27	3	4.3	2	3.4	1	1.9	26	3	4.3	3	5	3	4.3	38	Proto-oncogene tyrosine-protein kinase Src
HCK_RAT	P50545	57458.78	2	3.6	2	3.6	2	3.6	24	2	3.6	2	3.6	1	2	24	2	3.6	2	3.6	2	3.6	34	tyrosine-protein kinase HCK acaca fascicularis
YES_MOUSE	Q04736	60299.75	2	3.3	4	5.9	2	3.3	26	2	3.3	2	3.3	1	1.9	24	2	3.3	3	5	3	4.3	36	Proto-oncogene tyrosine-protein kinase Yes
PROTEIN PHOSPHATASES																							
PP2BA_RAT	P63329	59318.57	4	9.2	5	14	6	15.7	57	5	14	5	14	5	14	55	5	9.8	5	14	5	14	46	serine/threonine-protein Phosphatase catalytic subunit alpha
PP1B_RAT	P62142	37960.93	2	5.8	5	22	5	16.2	28	5	21.1	4	14.7	4	15.9	36	5	21.4	3	14.1	2	7	20	serine/threonine-protein Phosphatase PP1-beta catalytic subunit
PP2BB_RAT	P20651	59670.78	2	4	2	4	3	5.7	31	3	7.3	2	4	2	4	26	2	4	2	4	2	4	22	serine/threonine-protein Phosphatase catalytic subunit beta
2AAA_MOUSE	Q76MZ3	66065.21	2	5.1	4	10	3	7.3	25	2	5.1	4	10.4	2	5.1	29	2	5.1	6	15.6	2	5.1	27	serine/threonine-protein Phosphatase 2A 65 kDa regulatory subunit A a
2ABA_RAT	P36876	52172.68	0	0	2	6	2	6	4	0	0	1	2.5	1	2.5	2	0	0	2	6.7	0	0	3	serine/threonine-protein Phosphatase 2A 55 kDa regulatory subunit B a
PP2AA_RAT	P63331	36141.61	0	0	2	6.1	1	2.6	4	1	2.6	1	6.8	0	0	2	0	0	0	0	0	0	0	serine/threonine-protein Phosphatase 2A catalytic subunit alpha isoform B
2A5G_MOUSE	Q60996	61420.72	0	0	1	2.1	1	2.1	8	1	2.1	2	4.8	1	2.7	10	1	2.1	1	2.1	2	4.8	9	serine/threonine-protein Phosphatase 2A 56 kDa regulatory subunit gamma isofom
PHAR1_RAT	P62024	66630.82	1	1.7	1	1.7	1	1.7	8	2	6.4	1	1.7	1	1.7	6	1	1.7	0	0	1	1.7	4	Phosphatase and actin regulator 1
NEB2_RAT	O35274	89308.76	2	5	2	5.3	1	2.5	27	1	2.5	2	2.8	1	2.5	19	2	5.3	1	2.5	2	5.3	15	Neurabin-2
PTAD1_MOUSE	Q8K2C9	43274.46	0	0	0	0	1	5.8	1	1	5.8	1	5.8	1	5.8	6	0	0	0	0	0	0	0	Protein tyrosine Phosphatase-like protein
PTPRS_RAT	Q64605	212968.34	4	2.8	5	3.8	3	2	27	3	2.5	5	4.7	6	4.9	29	3	2	5	3.3	7	5.8	24	Receptor-type tyrosine-protein Phosphatase S
PTPRD_MOUSE	Q64487	215651.22	1	0.7	1	0.7	1	0.7	9	1	0.7	1	0.7	3	2.6	11	2	2.1	0	0	1	0.7	7	Receptor-type tyrosine-protein Phosphatase delta
PPM1E_RAT	Q80Z30	86100.94	0	0	0	0	1	1.3	3	1	1.3	1	1.3	1	1.3	8	1	1.3	0	0	0	0	3	Protein Phosphatase 1E
MTMR5_MOUSE	Q6ZPE2	210294.08	1	0.6	1	0.9	0	0	2	0	0	1	0.6	1	0.6	2	1	0.6	0	0	0	0	1	Myotubularin-related protein 5
G-PROTEINS AND MODULATORS																							
DIRA2_MOUSE	Q5PR73	22812.73	0	0	1	5.5	0	0	2	0	0	1	5.5	0	0	1	1	5.5	1	5.5	0	0	3	GTP-binding protein Di-Ras2
GNAO_RAT	P59215	40613.09	8	29.7	9	34.5	11	36.7	389	9	34.5	11	36.7	10	31.4	367	10	33.1	9	37.6	10	33.6	368	Guanine nucleotide-binding protein G(o) subunit alpha
GNAI1_RAT	P10824	40905.44	3	9.9	4	13.3	3	10.7	79	3	10.7	4	13.6	3	10.7	75	3	10.7	3	10.7	3	10.7	70	Guanine nucleotide-binding protein G(i), alpha-1 subunit
GNAI2_RAT	P04897	40499.14	2	5.6	4	13.2	2	6.5	81	3	11	5	20	4	16.1	74	3	10.7	4	15.2	5	20.6	70	Guanine nucleotide-binding protein G(i), alpha-2 subunit
GNAS1_RAT	G63803	111024.75	1	1.1	3	2.9	2	2.6	68	2	2.9	2	2.9	2	2.6	60	3	2.9	3	3.5	3	2.9	53	Guanine nucleotide-binding protein G(s) subunit alpha
GNA12_RAT	Q63210	44422.45	1	2.9	1	2.9	1	2.9	62	1	2.9	1	2.9	1	2.9	56	1	2.9	1	2.9	1	2.9	46	Guanine nucleotide-binding protein subunit alpha-12
GNAZ_RAT	P19627	41337.03	3	10.7	5	17.7	3	10.7	61	3	12.7	2	9.6	3	12.7	48	6	20	3	11	5	19.4	66	Guanine nucleotide-binding protein G(z) subunit alpha
GBB1_RAT	P54311	38151.31	6	27.9	5	22.6	7	30	123	7	30	7	30	8	39.1	126	6	27.9	8	40	5	24.7	122	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1
GBB2_RAT	P54313	38048.34	6	26.5	6	26.5	7	28.5	115	7	28.5	7	28.5	7	28.5	109	6	26.5	7	29.4	5	23.2	112	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2
GBB5_RAT	P62882	44620.29	1	4.8	1	4.8	0	0	4	1	4.8	1	4.8	1	4.8	6	1	4.8	1	4.8	1	4.8	5	Guanine nucleotide-binding protein subunit beta-5
GBG13_MOUSE	Q9JMF3	8001.07	0	0	1	26.9	1	26.9	3	0	0	1	26.9	1	26.9	3	0	0	1	26.9	0	0	1	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13
GBG12_MOUSE	Q9DAS9	8166.1	0	0	1	19.4	1	19.4	3	1	19.4	1	19.4	1	19.4	3	1	19.4	1	19.4	1	19.4	6	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12
RASK_RAT	P08644	21927.14	2	14.3	2	14.3	2	14.3	8	1	7.9	1	7.9	3	20.1	12	2	14.3	2	14.3	2	14.3	18	GTPase KRas
RAB10_MOUSE	P61027	22782.71	3	16.5	4	17.5	3	16.5	63	4	17.5	3	16.5	3	16.5	51	3	16.5	4	17.5	3	16.5	60	Ras-related protein Rab-10
RAB1B_RAT	P10536	22187.21	2	10.9	2	10.9	2	10.9	27	2	10.9	3	22.9	3	22.9	29	2	10.9	2	10.9	2	10.9	28	Ras-related protein Rab-1B
RAB15_RAT	P35289	24424.65	2	10.4	2	10.4	2	10.4	27	2	10.4	2	10.4	2	10.4	24	2	10.4	2	10.4	2	10.4	28	Ras-related protein Rab-15
RAB35_RAT	Q5U316	23295.87	2	10.9	2	10.9	2	10.9	27	2	10.9	2	10.9	2	10.9	24	2	10.9	2	10.9	2	10.9	28	Ras-related protein Rab-35
RAB14_MOUSE	Q91V41	23897.01	2	12.1	3	13	2	19.1	11	3	20	2	19.1	2	19.1	15	1	5.1	3	13	1	5.1	12	Ras-related protein Rab-14
RB39A_MOUSE	Q8BHD0	25006.74	1	5.1	2	6	1	5.1	8	2	6	1	5.1	1	5.1	12	1	5.1	2	6	1	5.1	11	Ras-related protein Rab-39A
RAC1_RAT	Q6RUV5	21835.39	4	17.2	5	18.8	5	24.5	173	6	26	6	26	7	30.2	134	5	21.4	4	17.2	6	26	128	Ras-related C3 botulinum toxin substrate 1
RB33B_MOUSE	O35963	25717.6	1	4.8	2	5.7	1	4.8	8	2	5.7	1	4.8	1	4.8	12	1	4.8	2	5.7	1	4.8	11	Ras-related protein Rab-33B
RAB5B_MOUSE	P61021	23919.99	0	0	1	6.5	0	0	1	2	11.2	1	6.5	2	11.2	8	0	0	1	6.5	0	0	5	Ras-related protein Rab-5B
RFIP5_MOUSE	Q8R361	69852.51	1	1.1	0	0	0	0	3	2	2.8	2	4.2	0	0	5	1	1.1	0	0	1	1.1	2	Rab11 family-interacting protein 5
RALA_RAT	P63322	23723.04	0	0	1	5.8	1	5.8	12	1	5.8	1	5.8	1	5.8	9	1	5.8	0	0	0	0	4	Ras-related protein Ral-A
RPGF2_MOUSE	Q8CHG7	126590.99	1	1.2	1	1.2	1	1.2	16	1	1.2	2	3.1	1	1.2	26	1	1.2	1	1.2	1	1.2	16	Rap guanine nucleotide exchange factor 2 (Fragment)
RAP1A_RAT	P62836	21315.84	0	0	1	5.4	1	7.6	3	2	13	1	7.6	4	19	14	0	0	1	6.5	2	11.4	9	Ras-related protein Rap-1A
RAP2B_RAT	P61227	20719.29	0	0	1	6.6	1	7.7	6	1	7.7	1	7.7	1	7.7	12	2	7.7	1	6.6	0	0	8	Ras-related protein Rap-2a
RPGF4_MOUSE	Q9EQZ6	116474.35	0	0	1	1.1	1	1.3	2	1	2	0	0	1	2	2	0	0	3	3.6	2	2.4	5	Rap guanine nucleotide exchange factor 4
MIRO2_RAT	Q7TSA0	70249.6	1	1.4	0	0	1	2.6	5	0	0	1	2.6	1	2.6	7	1	1.4	0	0	0	0	1	Mitochondrial Rho GTPase 2
RHOG_MOUSE	P84096	21751.1	1	9.9	1	9.9	2	19.9	8	1	9.9	1	9.9	1	9.9	5	1	9.9	1	9.9	1	9.9	10	Rho-related GTP-binding protein RhoG
MIRO1_MOUSE	Q8BG51	73222.01	3	4.3	2	2.9	2	2.9	18	0	0	1	1.3	1	1.6	3	3	4.3	3	5.9	1	1.3	10	Mitochondrial Rho GTPase 1
SEP11_MOUSE	Q8C1B7	50005.44	4	11.4	5	13	6	14.6	62	7	20	9	26	6	16.7	59	5	13.7	6	14.6	8	17.4	63	Septin-11
SEPT8_RAT	B0BNF1	50123.29	1	2.1	3	10.7	3	7.7	43	6	21.7	6	21.7	6	21.7	58	4	15.4	4	11.7	4	12.4	45	Septin-8
SEPT7_RAT	Q9WVC0	50860.03	7	20.2	9	22.5	6	21.1	85	7	23.9	10	33.9	7	15.6	104	6	18.6	8	22.2	7	22	101	Septin-7
SEPT6_MOUSE	Q9R1T4	50044.34	4	14.3	3	12	5	16.1	32	4	13.8	5	16.1	4	13.8	29	3	12	5	16.1	5	16.1	38	Septin-6
SEPT4_MOUSE	P28661	55519.79	1	1.9	2	4.8	1	1.9	5	1	2.9	2	4.8	3	7.1	14	1	2.9	2	4.8	1	1.9	12	Septin-4
SEPT5_MOUSE	Q922Q6	43176.83	5	19.2	4	13.8	6	19.8	63	7	22	8	23.3	8	23.8	99	7	21.4	6	18.2	9	23.8	64	Septin-5
SEPT2_RAT	Q91Y81	41737.4	1	4.4	4	15.8	4	18	12	3	12.7	2	9.7	4	16.9	11	4	18.8	6	27.1	7	30.2	43	Septin-2
SEPT9_RAT	Q9QZR6	64094.14	1	1.6	2	4.3	3	6	14	3	6	3	6	2	4.4	9	4	10.3	1	1.6	1	1.6	8	Septin-9
SEPT3_RAT	Q9WU34	40914.14	0	0	3	8.1	2	5.6	7	1	2.8	1	2.8	2	5.6	5	1	2.5	0	0	2	5.3	5	Neuronal-specific septin-3
MODULATORS																							
FMNL2_MOUSE	A2APV2	123778.34	0	0	1	1.2	1	1.2	4	1	1.2	1	1.2	1	1.2	8	1	1.2	2	2.5	1	1.2	7	Formin-like protein 2
NEUM_RAT	P07936	23703.33	2	22.1	2	22.1	2	22.1	46	2	22.1	1	10.2	2	22.1	33	2	22.1	2	22.1	2	22.1	40	Neuromodulin ap43 1 1
GIT1_RAT	Q9Z272	85919.53	1	2.1	2	4.2	1	2.1	15	2	5.5	4	9.6	2	5.3	26	1	2.1	1	2.1	1	2.1	21	ARF GTPase-activating protein

KALRN_RAT	P97924	339924.68	1	0.4	2	1	2	1	17	1	0.4	2	1	1	0.4	16	1	0.4	2	1	2	0.7	17	Kalirin
IQEC2_MOUSE	Q5DU25	162663.23	10	8.9	11	8.3	9	8.5	76	6	6.8	8	7.2	9	11	48	10	9.6	7	5.8	7	7.8	73	IQ motif and SEC7 domain-containing protein 2
IQEC1_MOUSE	Q8R0S2	108803.53	6	6.1	7	7.5	5	5.3	47	4	4.6	8	10.5	6	8.8	37	8	9.8	4	3.7	5	6.6	37	IQ motif and SEC7 domain-containing protein 1
AGAP2_RAT	Q8CGU4	125102.75	3	3	4	4.6	3	6.7	16	2	3.4	2	5.3	3	6.9	9	4	5.8	1	2.8	1	0.7	6	Arf-GAP, GTPase, ANK repeat and PH domain-containing protein 2
IQEC3_RAT	Q76M68	130419.89	2	2.3	1	0.7	2	2.3	15	2	2.7	2	2.3	1	1.7	7	3	3.6	1	1.7	1	0.7	8	IQ motif and SEC7 domain-containing protein 3
K1688_MOUSE	P59281	126267.92	1	0.9	1	0.9	1	0.9	7	2	1.8	1	0.9	1	0.9	6	1	0.9	0	0	2	1.8	5	Uncharacterized protein KIAA1688
PSD3_MOUSE	Q2PFD7	116646.2	1	2	2	3.4	2	3.4	17	2	3.4	2	3.4	2	3.4	23	2	3.4	2	3.4	3	4.1	23	PH and SEC7 domain-containing protein 3
PSD1_RAT	Q9ESQ7	110360.4	1	0.9	1	0.9	1	0.9	6	1	0.9	0	0	0	0	1	0	0	0	0	1	0.9	2	PH and SEC7 domain-containing protein 1
RGRF1_RAT	P28818	143774.42	1	1.4	1	1.4	1	1.4	6	1	1.4	1	1.4	1	1.4	8	1	1.4	1	1.4	1	1.4	6	Ras-specificguanine nucleotide-releasing factor 1
RGS4_MOUSE	O08899	23900.78	1	3.4	1	3.4	1	3.4	7	1	3.4	1	3.4	1	3.4	7	1	3.4	0	0	1	3.4	4	Regulator of G-protein signaling 4
RGS7_RAT	P49803	54821.68	1	1.9	1	1.9	0	0	4	0	0	1	1.9	0	0	1	1	1.9	0	0	1	1.9	3	Regulator of G-protein signaling 7
RGS17_MOUSE	Q9QZB0	24970.83	1	3.8	1	3.8	1	3.8	13	1	3.8	2	10	1	3.8	14	2	10	2	10	2	10	15	Regulator of G-protein signaling 17
SYGP1_RAT	Q9QUH6	145600.4	23	20.8	29	27.6	31	32.2	947	28	28.1	23	23	30	30	757	30	31	30	27.7	27	28.3	862	Ras GTPase-activating protein SynGAP
SIGNALING MOLECULES AND ENZYMES																								
HEAT SHOCK PROTEINS/CHAPERONES/CHAPERONINS																								
GRP78_RAT	P06761	72469.58	1	2.6	1	2.4	0	0	5	2	4.4	3	6.3	1	2.6	6	2	2.6	1	2.4	2	2.6	21	78 kDa glucose-regulated protein
DJC11_MOUSE	Q5U458	63539.92	1	1.6	2	3.9	3	7.3	9	1	1.6	2	3.9	2	5.2	8	1	1.6	2	5.7	1	2.1	7	DnaJ homolog subfamily C member 11
HSP7C_RAT	P63018	71424.45	15	27.7	19	29.4	17	29.4	516	19	30.2	21	32.3	21	32.3	529	19	30.2	17	26.9	18	30	486	Heat shock cognate 71 kDa protein
HS12A_HUMAN	O43301	75216.61	1	1.9	2	3.9	1	1.2	5	3	5	3	5	3	5	15	3	5	2	3.9	3	5.8	11	Heat shock 70 kDa protein 12A
CH60_RAT	P63039	61240.49	1	3.1	2	5.8	2	6.3	10	2	5.8	3	9.4	2	5.8	9	1	2.6	1	3.7	2	5.8	4	60 kDa heat shock protein, Mitochondrial
GRP75_RAT	P48721	73969.88	1	2.2	0	0	1	2.2	2	1	2.2	0	0	0	0	1	0	0	1	1.9	1	2.2	2	Stress-70 protein, Mitochondrial
MTCH2_MOUSE	Q791V5	33936.1	3	9.6	4	15.2	5	17.5	63	5	20.5	6	22.8	6	22.8	62	6	22.8	5	17.5	5	17.5	79	Mitochondrial carrier homolog 2
PHOSPHODIESTERASES																								
CN37_RAT	P13233	47637.7	13	28.1	15	31.4	14	30.5	317	15	36	13	32.6	15	36	287	15	30.7	14	31.2	15	31.4	303	2',3'-cyclic-nucleotide 3'-phosphodiesterase
ENPP6_RAT	B0BND0	51010.6	4	9.3	6	16.4	6	17.3	102	4	11.4	5	14.8	5	13.9	85	6	17.3	6	17.5	7	19.8	119	Ectonucleotide pyrophosphatase/phosphodiesterase family member 6 O
PDE2A_RAT	Q01062	106193.3	3	4.4	3	5	2	3.6	19	2	4.5	2	3.1	3	4.3	10	4	6.6	4	5.9	4	5.8	39	cGMP-dependent 3',5'-cyclic phosphodiesterase
SECRETED/SECRETORY/SIGNALING																								
PGCB_RAT	P55068	97536.69	2	2.7	2	2.8	2	2.7	14	2	2.7	1	1.9	2	4.4	14	2	3.5	1	0.8	1	1.9	15	Brevican core protein
NOE1_RAT	Q62609	55649.59	1	2.3	2	5.2	1	2.3	23	1	2.3	1	2.3	1	2.3	5	1	2.3	1	2.3	2	2.3	20	Noelin
CSPG2_RAT	Q9ERB4	301873.62	4	1.8	5	2.2	4	1.8	70	3	1.5	6	2.6	3	1.5	57	3	1.5	5	2.2	5	2.2	64	Versican core protein (Fragments)
ATP SYNTHASES																								
VATB2_RAT	P62815	56856.98	10	29	14	40.5	14	36.8	299	13	33.7	13	30.1	14	37	309	12	35.6	14	40.5	13	33.7	328	V-type proton ATPase subunit B
VATA_MOUSE	P50516	68624.68	8	16.9	9	24	10	23.7	179	9	23	15	36.3	16	33.9	211	13	30.8	9	21.6	9	21.7	175	V-type proton ATPase catalytic subunit A
VA0D1_MOUSE	P51863	40759.39	4	13.4	4	13.4	4	13.4	69	3	13.4	6	18.5	4	13.4	63	5	13.4	3	8.3	5	16.2	63	V-type proton ATPase subunit d
ATPA_RAT	P15999	59830.66	10	20.4	6	15.2	7	17	102	9	23	6	15.2	11	28.4	114	8	21	8	21	7	17	107	ATP synthase subunit alpha, mitochondrial
ATPB_RAT	P10719	56524.61	5	14	7	20.4	5	13.4	44	4	12.3	8	23.3	5	14.7	48	7	18.9	8	22.1	8	22.5	78	ATP synthase subunit beta, Mitochondrial
VATH_MOUSE	Q8BVE3	56272.39	2	5	3	9.7	3	9.7	18	2	5	3	9.7	3	9.7	34	3	9.7	2	7.9	3	9.7	32	V-type proton ATPase subunit H
ATPSJ_RAT	P21571	12486.58	1	21.3	0	0	1	21.3	5	1	21.3	1	21.3	1	21.3	6	1	21.3	0	0	1	21.3	4	ATP synthase-coupling factor 6
ATPO_RAT	Q06647	23439.8	2	11.7	1	5.2	1	5.2	13	0	0	1	5.2	2	14.1	4	1	5.2	1	6.6	1	5.2	4	ATP synthase subunit O, Mitochondrial
CISD1_RAT	B0K020	12260.22	4	38	4	38.9	4	42.6	40	4	42.6	5	42.6	4	42.6	36	3	30.6	3	38.9	4	38.9	30	CDGSH iron sulfur domain-containing protein 1
VATF_RAT	P50408	13389.99	0	0	1	20.2	2	36.1	3	0	0	2	25.2	1	20.2	3	2	36.1	1	20.2	1	16	8	V-type proton ATPase subunit F
VATE1_RAT	Q6PCU2	26179.87	3	16.8	3	16.8	3	16.8	97	3	16.8	4	20.8	3	16.8	109	3	16.8	3	16.8	3	16.8	106	V-type proton ATPase subunit E
VPP1_RAT	P25286	97063.43	8	13.2	9	12.6	13	19.1	155	11	14.6	13	18	12	14.6	166	10	14.6	10	14.2	11	18	151	V-type proton ATPase 116 kDa subunit a isoform 1
VATC1_RAT	Q5FVI6	44128.98	3	9.2	1	1.8	1	4.2	9	0	0	1	1.8	0	0	1	1	1.8	1	2.4	2	6	5	V-type proton ATPase subunit C
ATAD3_RAT	Q3KRE0	66888.6	1	1.4	2	3.2	3	7.3	9	1	3.6	1	1.4	3	7.3	10	2	4.9	4	8.8	2	4.9	16	ATPase family AAA domain-containing protein 3
NADH-UBIQUINONE OXIDOREDUCTASE																								
NDUA4_MOUSE	Q62425	9320.87	4	47.6	2	26.8	2	26.8	86	4	47.6	2	26.8	2	26.8	65	2	26.8	4	37.8	2	26.8	61	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4
NDUV2_RAT	P19234	27703.01	1	5.2	1	5.2	1	5.2	30	1	5.2	1	5.2	1	5.2	12	1	5.2	2	9.7	1	5.2	38	NADH dehydrogenase [ubiquinone] flavoprotein 2, Mitochondrial
NDUA8_MOUSE	Q9DCJ5	20435.25	2	16.9	2	16.9	2	16.9	13	1	10.5	1	10.5	1	10.5	7	1	10.5	1	6.4	2	16.9	9	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8
NDUS3_MOUSE	Q9DCT2	30301.6	1	4.9	3	14.1	1	4.9	16	0	0	1	4.9	1	4.9	6	1	4.9	4	18.3	2	9.1	30	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, Mitochondrial
NDUS1_RAT	Q66HF1	80330.94	3	4.5	9	16	7	11.7	38	0	0	2	3.9	1	1.8	5	4	6.6	9	16.8	5	7.3	59	NADH-ubiquinone oxidoreductase 75 kDa subunit, Mitochondrial
NDUAA_RAT	Q561S0	40752.75	1	3.1	2	3.9	2	9.3	21	1	3.9	2	9.3	0	0	5	3	10.1	4	9.9	2	9.3	22	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, Mitochondrial
NDUAD_MOUSE	Q9ERS2	16848.61	1	6.2	1	6.2	1	6.2	17	0	0	1	6.2	1	6.2	4	1	6.2	1	6.2	1	6.2	23	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13
NDUBA_MOUSE	Q9DCS9	21295.55	0	0	1	8	1	8	6	1	8	1	8	0	0	3	1	8	1	8	1	8	4	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10
NDUA9_RAT	Q5BK63	41899.96	0	0	1	3.5	2	10.8	5	0	0	1	3.5	1	3.5	3	1	3.5	3	9.2	2	10.8	16	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, Mitochondrial
NDUV3_RAT	Q6PCU8	11934.27	1	19.4	1	19.4	1	19.4	7	0	0	1	19.4	0	0	2	1	19.4	0	0	1	19.4	5	NADH dehydrogenase [ubiquinone] flavoprotein 3, Mitochondrial
NDUV1_MOUSE	Q91YT0	51469.05	1	2.2	2	5.8	4	9.5	13	0	0	1	3.7	0	0	1	1	3.7	3	8	3	8	12	NADH dehydrogenase [ubiquinone] flavoprotein 1, Mitochondrial
NDUC2_MOUSE	Q9CQS4	14211.25	1	10.8	1	10.8	2	11.7	10	0	0	0	0	0	0	0	1	10.8	1	10.8	1	10.8	8	NADH dehydrogenase [ubiquinone] 1 subunit C2
POLYUBIQUITIN																								
VCIP1_RAT	Q8CF97	135604.37	0	0	1	1.7	1	1.7	4	1	1.7	1	1.7	1	1.7	3	1	1.7	0	0	1	1.7	2	Deubiquitinating protein
UBP2L_MOUSE	Q80X50	114579.31	1	2.3	0	0	1	2.3	2	0	0	1	2.3	1	2.3	3	1	2.3	0	0	1	2.3	2	Ubiquitin-associated protein 2
UBIQ_RAT	P62989	8559.62	1	21.1	1	21.1	1	21.1	28	2	23.7	2	23.7	2	23.7	30	2	23.7	1	21.1	2	23.7	39	Ubiquitin
DEVELOPMENT																								
CCNY_MOUSE	Q8BGU5	39825.13	0	0	1	4.4	1	4.4	4	1	4.4	1	4.4	1	4.4	5	1	4.4	1	4.4	2	6.2	8	Cyclin-Y
CYFP2_MOUSE	Q5SQX6	146801.38	4	3.4	6	4.5	5	3.4	54	5	4.6	8	5.3	8	5.6	52	5	3.4	6	4.5	7	4.2	49	Cytoplasmic FMR1-interacting protein 2
GDAP1_MOUSE	O88741	147446.7	2	3.4	3	5.3	3	4.2	71	2	4.6	2	7.4	1	7.7	50	3	4.3	3	5.3	2	6.3	77	Ganglioside-induced differentiation-associated protein 1
BASP_MOUSE	Q91XV3	41512.69	2	7.5	2	10.6	3	7.8	108	2	7.5	2	9.5	2	4.2	82	2	9.8	4	10.6	2	7.5	98	Brain acid soluble protein 1
BASP_RAT	Q05175	21777.44	3	40	3	40	4	52.3	151	1	12.7	3	40	2	29.5	108	2	29.5	4	52.3	4	52.3	158	Brain acid soluble protein 1
CTBP1_RAT	Q9Z2F5	47961.67	0	0	1	2.3	1	2.3	2	0	0	1	2.3	1	2.3	3	1	2.3	1	3	0	0	2	C-teinal-binding protein 1 CTBP1 1 2
CEND_RAT	Q5FVI4	15090.89	1	12.8	1	12.8	0	0	4	0	0	1	12.8	1	12.8	2	0	0	1	12.8	0	0	1	Cell cycle exit and neuronal differentiation protein 1 Cend1 1 1
ROBO1_RAT	O55005	181958.05	0	0	0	0	1	0.7	2	0	0	1	0.7	1	0.7	9	1	0.7	0	0	0	0	2	Roundabout homolog 1
GD1L1_MOUSE	Q8VE33	42632.77	1	3.5	2	7.8	2	9.2	11	1	3.5	2	9.2	1	3.5	6	1	3.5	2	7.8	2	7.8	11	Ganglioside-induced differentiation-associated protein 1-like 1
LRRT1_MOUSE	Q8K377	59705.18	1	2.5	1	2.5	1	2.5	5	1	2.5	0	0	0	0	1	2	2.7	1	2.5	1	2.5	4	Leucine-rich repeat transmembrane neuronal protein 1
OTHER SIGNALING MOLECULES																								
BR44_RAT	P38718	14333.64	0	0	2	16.5	2	16.5	8	1	8.7	1	7.9	1	8.7	3	1	8.7	0	0	1	8.7	2	Brain protein 44
CALM_RAT	P62161	16826.83	2	22.1	2	22.1	2	22.1	79	2	22.1	2	22.1	2	22.1	53	2	22.1	2	22.1	2	22.1	60	Calmodulin
CAMKV_RAT	Q63092	54528.23	1	4.4	2	6.3	1	4.4	64	2	6.7	1	4.4	1	4.4	67	1	4.4	1	4.4	1	4.4	57	CaM kinase-like vesicle-associated protein
CD59_RAT	P27274	14465.24	2	13.5	2	13.5	2	13.5	38	2	13.5	2	13.5	2	13.5	27	2	13.5	1	7.1	2	13.5	21	CD59 glycoprotein
CPNE6_MOUSE	Q9Z140	62737.99	0	0	1	1.6	0	0	1	1	2.2	2	2.2	0	0	3	2	2.2	0	0	0	0	2	Copine-6
CPNE4_HUMAN	Q96A23	63210.29	1	1.6	2	3.2	1	1.6	20	1	1.6	2	3.2	2	4.3	14	2	3.2	1	1.6	1	1.6	17	Copine-4
LYNX1_MOUSE	Q9WVC2	13396.33	1	10.3	1	10.3	0	0	4	0	0	0	0	1	10.3	1	1	10.3	1	10.3	1	10.3	9	Ly-6/neurotoxin-like protein 1
REL3_RAT	Q88FS3	15254.54	2	14.3	2	14.3	2	14.3	25	2	14.3	2	14.3	2	14.3	17	2	14.3	0	0	2	14.3	8	Relaxin-3
HPCA_RAT	P84076	22527.03	1	4.1	1	4.1	1	4.1	17	0	0	2	8.8	1	8.8	4	1	4.1	0	0	1	4.1	4	Neuron-specific calcium-binding protein hippocalcin
NCDN_RAT	O35095	80174.16	1	1.6	1	1.6	1	1.6	10	1	1.6	2	4	2	4	22	1	1.6	1	1.6	1	1.6	16	Neurochondrin
PLXA4_MOUSE	Q8CIG2	215788.49	0	0	1	0.4	1	0.4	5	2	1.3	1	0.4	1	0.4	7	1	0.4	1	0.4	1	0.4	6	Plexin-A4 P
CXA1_RAT	P08050	43517.11	6	21.5	10	33.2	10	33.2	166	9	32.7	10	32.7	10	32.7	196	9	33	9	33	11	33.2	183	Gap junction alpha-1 protein
DYN1_RAT	P21575	97576.01	16	24.2	19	26	17	24.4	227	13	19.7	18	24.5	16	21.4	207	21	30.4	18	26.5	19	25.8	284	Dynamin-1
DYN3_HUMAN	Q9UQ16	98084.1	3	2.5	5	5.8	5	5.8	76	5	5.8	5	5.8	4	3.8	60	5	5.8	5	5.8	5	5.8	82	Dynamin-3
NRN1_RAT	O08957	15610.91	1	13.4	1	13.4	1	13.4	41	1	13.4	1	13.4	1	13.4	35	1	13.4	1	13.4	1	13.4	33	Neuritin
JIP3_MOUSE	Q9ESN9	148723.57	0	0	1	0.7	1	0.7	4	3	2.4	2	2.1	1	0.7	11	1	0.7	1	0.7	0	0	6	C-jun-amino-terminal kinase-interacting protein 3
PI42A_RAT	Q9R0I8	46423.57	0	0	0	0	1	2.5	1	2	6.9	2	6.9	2	6.9	8	2	6.9	1	2.5	0	0	4	Phosphatidylinositol-5-phosphate 4-kinase type-2 alpha
PRIO_MOUSE	P04925	27976.49	1	4.7	1	4.7	1	4.7	82	1	4.7	1	4.7	1	4.7	62	1	4.7	1	4.7	1	4.7	57	Major prion protein
TPPP_MOUSE	Q7TQD2	23574.63	2	15.1	4	21.1	2	15.1	21	3	15.1	4	21.1	3	19.7	24	2	13.8	3	19.7	3	15.1	31	Tubulin polymerization-promoting protein
RTN3_RAT	Q6RJR6	102024.3	0	0	0	0	1	2.1	1	0	0	2	3.6	0	0	3	0	0	0	0	1	2.1	1	Reticulon-3
TRIO_MOUSE	Q0KL02	344424.55	0	0	3	1.1	3	1.2	7	1	0.4	1	0.6	0	0	2	1	0.4	2	0.8	2	0.7	7	Triple functional domain protein
OTHER ENZYMES																								
AL3A2_RAT	P30839	54503.47	0	0	1	2.5	0	0	1	1	2.9	1	2.9	1	2.9	4	0	0	1	2.5	0	0	1	Fatty aldehyde dehydrogenase
DPYL2_RAT	P47942	62637.74	13	30.6	16	42.5	18	45.6	264	17	44.4	20	55.9	20	53	398	17	44.2	17	44.4	16	41.1	281	Dihydropyrimidinase-related protein 2
DPYL1_RAT	Q62950	62470.72	6	13.1	5	10.1	5	10.1	74	5	10.1	8	20.6	7	17.3	123	6	13.8	5	10.1	6	13.8	90	Dihydropyrimidinase-related protein 1

DPYL4_RAT	Q62951	61617.33	1	1.2	0	0	1	2	4	2	6.9	4	11.7	4	11.9	14	1	2.8	0	0	0	0	1	Dihydropyrimidinase-related protein 4
OST48_RAT	Q641Y0	48882.99	0	0	0	0	0	0	0	1	2.1	2	4.6	0	0	5	0	0	0	0	1	2.1	2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
ACSL6_RAT	P33124	78993.54	1	2.6	1	2.6	1	2.6	3	2	3.7	3	6.9	1	2.6	8	1	1.7	1	2.6	1	2.6	3	Long-chain-fatty-acid--CoA ligase 6
MGST3_MOUSE	Q9CPU4	17117.73	0	0	1	14.4	2	15.7	8	0	0	2	15.7	1	14.4	5	2	15.7	1	14.4	0	0	4	Microsomal glutathione S-transferase 3
ECHA_RAT	Q64428	83296.8	4	8.7	7	15.2	6	13	54	7	16.6	6	13	7	16.6	49	7	15.7	5	11.8	5	11	72	Trifunctional enzyme subunit alpha
ECHB_RAT	Q60587	51666.64	2	4.2	1	1.9	3	6.1	21	1	1.9	1	1.9	1	1.9	9	1	1.9	1	1.9	1	1.9	10	Trifunctional enzyme subunit beta
HCD2_RAT	O70351	27342.62	0	0	2	14.9	0	0	3	2	14.9	0	0	0	0	2	2	14.9	2	14.9	0	0	7	3-hydroxyacyl-CoA dehydrogenase type-2
DCE2_RAT	Q05683	66214.92	0	0	2	7.5	1	3.8	4	2	7.5	1	3.8	0	0	3	0	0	0	0	0	0	0	Glutamate decarboxylase 2
INP4A_RAT	Q62784	107004.06	0	0	1	1.4	1	1.4	5	0	0	0	0	2	2.8	3	1	1.4	1	1.4	1	1.4	5	Type I inositol-3,4-bisphosphate 4-phosphatase
LPPR4_RAT	Q7TMB7	84278.46	4	6.5	5	10.6	4	7.7	28	3	6.8	7	16.3	5	10.7	19	5	7	5	10.2	2	3.8	27	Lipid phosphate phosphatase-related protein type 4
GLNA_RAT	P09606	42981.58	6	23.9	5	21.4	5	21.4	75	4	16.6	7	21.4	8	27.3	88	6	22.5	5	21.4	5	17.4	71	Glutamine synthetase
GUAD_RAT	Q9WTT6	51553.97	1	3.1	0	0	1	3.1	4	2	5.9	2	5.9	2	5.9	16	1	3.1	0	0	1	3.1	5	Guanine deaminase
KCRB_RAT	P07335	42902.43	0	0	0	0	0	0	0	0	0	1	3.4	1	3.4	5	1	3.4	1	3.4	0	0	8	Creatine kinase B-type
GPSN2_RAT	Q64232	36465.98	0	0	0	0	1	5.5	2	1	5.5	1	5.5	1	5.5	5	0	0	0	0	0	0	0	Synaptic glycoprotein
AOFA_RAT	P21396	60096.85	8	20.9	7	16.2	6	13.1	120	7	18.6	6	16.9	7	20.2	91	7	20	9	24.5	7	18.8	122	Amine oxidase [flavin-containing]
NDKA_RAT	Q05982	15690.05	1	12.4	1	12.4	1	12.4	10	1	12.4	1	12.4	1	12.4	6	1	12.4	1	12.4	1	12.4	7	Putative nucleoside diphosphate kinase
OGT1_MOUSE	Q8CGY8	118104.38	1	1	2	2	2	3.3	13	2	2.3	1	1	2	3.3	17	2	1.9	1	1	1	1	14	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit
LPP3_RAT	P97544	35922.44	2	9.6	1	3.5	0	0	6	1	3.5	2	9.6	2	9.6	7	1	3.5	1	3.5	1	3.5	4	Lipid phosphate phosphohydrolase 3
PPIA_RAT	P10111	18090.89	1	6.1	1	6.1	1	6.1	7	2	13.4	2	13.4	2	13.4	8	2	14	0	0	2	13.4	7	Peptidyl-prolyl cis-trans isomerase A
PRDX2_RAT	P35704	21936.12	0	0	4	19.7	3	19.7	13	2	14.6	4	23.7	3	14.6	34	3	14.6	1	5.6	2	9.1	15	Peroxiredoxin-2
PRDX1_RAT	Q63716	22323.41	1	6	2	15.6	1	6	24	2	11.6	2	15.6	2	11.6	24	2	11.6	2	11.6	1	6	27	Peroxiredoxin-1
TPIS_RAT	P48500	27344.94	5	25.3	7	39.8	5	25.3	53	6	24.5	6	30.5	5	20.1	54	3	16.5	4	24.5	3	16.5	30	Triosephosphate isomerase
UCHL1_RAT	Q00981	25164.57	1	3.6	1	3.6	0	0	2	0	0	2	13	1	3.6	3	1	3.6	0	0	1	9.4	3	Ubiquitin carboxyl-teinal hydrolase isozyme L1 Uchl1 1 1
USP9X_MOUSE	P70398	292720.48	0	0	0	0	1	0.5	3	1	0.5	1	0.5	0	0	6	0	0	1	0.5	0	0	4	Probable ubiquitin carboxyl-terminal hydrolase FAF-X
MITOCHONDRIAL ENZYMES																								
THIL_RAT	P17764	45008.55	5	19.3	9	30.7	8	30.7	114	4	15.6	5	22.2	5	19.3	55	7	25.9	8	30.2	6	21.5	97	Acetyl-CoA acetyltransferase
ACO10_MOUSE	Q32MW3	50805.03	1	1.8	1	1.8	1	1.8	7	1	1.8	0	0	0	0	1	1	1.8	1	1.8	0	0	6	Acyl-coenzyme A thioesterase 10
ACON_RAT	Q9ER34	86047.21	1	2.1	1	2.1	1	2.1	5	1	2.1	0	0	1	2.1	4	1	2.1	1	2.1	1	2.1	6	Aconitate hydratase
PRDX5_RAT	Q9R063	22225.67	1	3.8	3	18.1	4	29	22	0	0	2	18.6	1	7.6	3	3	22.4	4	29	4	29	24	Peroxiredoxin-5
KCRU_RAT	P25809	47398.44	7	15.3	10	31.3	13	38.3	313	11	33.5	13	38.3	13	38.3	270	13	38.3	8	24.9	11	31.3	258	Creatine kinase, ubiquitous mitochondrial
CY1_MOUSE	Q9D0M3	35533.03	2	8.6	4	15.7	2	8.6	19	0	0	1	3.7	1	3.7	2	3	10.8	3	13.5	1	3.7	18	Cytochrome c1, heme protein
DLDH_RAT	Q6P6R2	54574.28	0	0	2	5.7	1	3.7	3	0	0	0	0	0	0	0	0	0	2	5.7	1	2.2	7	Dihydrolipoyl dehydrogenase
ODP2_RAT	P08461	67636.57	4	7.6	4	8.2	3	7.4	26	2	5.2	3	6.2	3	7.4	21	5	10.4	3	6.6	5	10.4	51	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase com
ODO2_RAT	Q01205	49283.72	2	4.6	2	4.6	2	4.6	30	1	2	1	2	1	2	12	1	2	2	4.6	3	5.9	18	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogen
G3P_RAT	P04797	36090.27	9	30.9	9	39	11	37.5	401	11	39.3	13	48.9	12	46.5	393	10	39.3	9	37.5	11	41.4	377	Glyceraldehyde-3-phosphate dehydrogenase
GPDM_RAT	P35571	81548.52	1	1.2	4	6.7	3	6.2	36	4	6.7	7	13.9	2	3.6	41	2	3	7	12.5	2	3.6	58	Glycerol-3-phosphate dehydrogenase
HXK1_RAT	P05708	103539.56	23	28.4	27	30.5	27	31.7	632	25	28.8	29	31.5	28	29.5	538	28	31.2	28	31.8	27	31.3	646	Hexokinase-1
IDH3B_RAT	Q68FX0	42811.98	0	0	1	6.2	3	13.8	7	1	3.1	3	13.8	3	13.8	15	0	0	2	10.6	0	0	11	Isocitrate dehydrogenase [NAD] subunit beta
COX2_RAT	P00406	26096.14	1	4.4	2	13.2	1	4.4	25	2	16.3	3	16.3	1	4.4	11	2	7.5	1	4.4	2	7.5	24	Cytochrome c oxidase
ODPB_RAT	P49432	39299.16	1	4.5	2	7.5	2	8.9	20	2	8.9	3	12	2	8.9	29	1	4.5	3	10.6	3	12	47	Pyruvate dehydrogenase E1 component subunit beta
ODO1_RAT	Q5XI78	16311.85	1	8.9	6	17.8	5	17.8	22	3	8.9	5	28.8	4	18.5	19	4	17.8	7	17.8	3	51.4	31	2-oxoglutarate dehydrogenase E1 component
CYB5B_RAT	P04166	39299.16	1	4.5	2	7.5	2	8.9	23	1	8.9	4	12	3	8.9	27	2	4.5	2	10.6	4	12	22	Cytochrome b5 type B
M2OM_RAT	P97700	34210.92	0	0	4	13.1	5	16.9	25	4	13.1	4	12.1	3	9.6	21	4	13.4	5	18.8	3	9.6	29	Mitochondrial 2-oxoglutarate/malate carrier protein
SUCB1_MOUSE	Q9Z2I9	50424.26	1	2.2	3	6.3	2	3.7	12	2	3.7	1	1.5	2	4.1	9	2	3.7	2	3.7	2	3.7	8	Succinyl-CoA ligase [ADP-foing] subunit beta
DHSA_RAT	Q920L2	72596.05	0	0	1	2.3	1	2.3	5	0	0	1	2.3	1	2.3	4	0	0	2	4.4	1	2.3	11	Succinate dehydrogenase [ubiquinone] flavoprotein subunit
SUCA_RAT	P13086	36524.14	1	4.3	1	3.2	1	3.2	4	1	5.2	3	13	2	8.4	8	1	3.2	1	3.2	1	3.2	4	Succinyl-CoA ligase [GDP-foing] subunit alpha
QCR1_RAT	Q68FY0	53499.66	4	5.6	6	11.7	6	11.7	75	3	5.6	5	9.6	4	7.5	42	5	9.6	5	11.5	7	15.6	110	Cytochrome b-c1 complex subunit 1
QCR6_RAT	Q5M9I5	10713.09	0	0	1	20.2	1	20.2	9	1	20.2	1	20.2	1	20.2	15	1	20.2	1	20.2	1	20.2	9	Cytochrome b-c1 complex subunit 6
QCR2_RAT	P32551	48423.2	2	6.6	6	18.4	6	19	51	2	6.6	3	10.4	1	3.5	12	5	16.6	7	20.6	6	19	63	Cytochrome b-c1 complex subunit 2
QCR8_RAT	Q7TQ16	9762.11	0	0	1	15.9	1	15.9	7	0	0	1	18.3	0	0	3	1	15.9	1	15.9	1	15.9	6	Cytochrome b-c1 complex subunit 8
UCRI_RAT	P20788	29712.34	0	0	1	9.5	1	4.7	3	0	0	1	9.5	0	0	2	0	0	1	4.7	2	14.2	6	Cytochrome b-c1 complex subunit Rieske
THTR_BOVIN	P00586	33502.83	1	6.4	1	6.4	1	6.4	12	1	6.4	1	6.4	2	10.8	11	1	6.4	1	6.4	0	0	6	Thiosulfate sulfurtransferase
CX6C2_RAT	P11951	8473.43	1	9.6	2	26	2	26	16	0	0	1	9.6	0	0	1	1	9.6	1	9.6	1	9.6	6	Cytochrome c oxidase subunit 6C
CX7A2_RAT	P35171	9346.94	0	0	1	12	1	12	9	0	0	1	12	0	0	1	0	0	2	27.7	1	12	10	Cytochrome c oxidase polypeptide 7A2
COX41_RAT	P10888	19559.09	2	12.4	3	20.1	2	12.4	37	1	6.5	2	12.4	1	6.5	15	2	12.4	4	27.2	4	24.9	31	Cytochrome c oxidase subunit 4
CX6B1_MOUSE	P56391	10292.96	0	0	4	53.5	4	58.1	22	0	0	3	46.5	1	12.8	7	2	33.7	4	53.5	4	58.1	26	Cytochrome c oxidase subunit VIb
COX5A_RAT	P11240	16895.73	2	16.4	2	15.8	3	27	34	1	9.9	2	21.1	1	9.9	17	2	15.8	3	16.4	2	15.8	50	Cytochrome c oxidase subunit 5A
QCR7_MOUSE	Q9D855	13518.96	1	9	1	9	1	9	8	0	0	1	9	0	0	1	0	0	1	9	2	20.7	4	Cytochrome b-c1 complex subunit 7
QCR9_MOUSE	Q8R1I1	7452.94	1	10.9	1	10.9	1	10.9	7	1	10.9	0	0	0	0	1	0	0	1	10.9	1	10.9	6	Cytochrome b-c1 complex subunit 9
TRANSCRIPTION AND TRANSLATION																								
TRANSCRIPTION ELEMENTS																								
PHB_RAT	P67779	29858.92	4	19.5	6	27.6	5	23.9	55	3	12.1	4	16.5	5	23.2	33	4	19.1	6	27.6	5	23.9	63	Prohibitin Phb 1 1
TFAM_RAT	Q91ZW1	28396.89	1	6.1	0	0	2	9.8	3	0	0	0	0	1	6.1	1	1	6.1	0	0	1	6.1	3	Transcription factor A, mitochondrial
FOXE1_MOUSE	Q8R2I0	38337.15	0	0	1	2.1	1	2.1	3	1	2.1	1	2.1	0	0	9	1	2.1	1	2.1	0	0	4	Forkhead box protein E1 FOXE1 1 3
SND1_RAT	Q66X93	102572.74	1	1.8	1	1.8	0	0	2	1	1.8	1	1.8	0	0	2	0	0	0	0	0	0	0	Staphylococcal nuclease domain-containing protein 1
OTHER NUCLEAR /DNA BINDING																								
FBX41_MOUSE	Q6NS60	95933.93	0	0	1	1.4	2	2.6	16	1	1.3	2	2.6	2	2.6	9	1	1.4	2	2.6	1	1.4	19	F-box only protein 41
H33_RAT	P84245	15375.52	1	8.1	0	0	0	0	1	1	23.5	0	0	0	0	7	1	8.1	1	5.1	0	0	4	Histone H3.3
H2B1N_BOVIN	Q32L48	13914.51	2	19	1	11.9	1	11.9	6	1	7.1	1	11.9	2	19	8	1	7.1	2	19	1	11.9	11	Histone H type 1-N
H2A1_RAT	P02262	11360.38	1	41.7	1	41.7	1	41.7	24	2	41.7	1	29.1	1	41.7	17	1	41.7	1	41.7	1	41.7	25	Histone H2A
H4_RAT	P62804	13914.51	5	19	5	11.9	4	11.9	56	5	7.1	3	11.9	5	19	46	5	7.1	5	19	5	11.9	68	Histone H4
NDE1_RAT	Q9ES39	38841.56	0	0	1	3.5	1	3.5	6	1	3.5	1	3.5	1	3.5	11	1	3.5	1	3.5	0	0	8	Nuclear distribution protein nudE homolog 1
RSMB_RAT	P17136	24778.77	1	3.3	1	8.8	0	0	6	1	8.8	2	12.1	0	0	4	0	0	0	0	1	3.3	3	Small nuclear ribonucleoprotein-associated protein B
PCBP1_MOUSE	P60335	37987.14	1	3.7	1	3.7	1	3.7	12	1	3.7	1	3.7	1	3.7	10	1	3.7	1	3.7	1	3.7	6	Poly(rC)-binding protein 1
CAPR1_MOUSE	Q60865	78291.87	0	0	1	5.7	1	5.7	5	1	5.7	1	5.7	1	5.7	14	1	5.7	0	0	1	5.7	6	Cap-1
RUEL1_HUMAN	Q5VYJ4	10728.5	1	12	1	12	1	12	7	1	12	1	12	1	12	7	1	12	1	12	1	12	7	Putative small nuclear ribonucleoprotein polyptide E-like protein 1
ELONGATION FACTORS/RNA BINDING/RIBOSOMAL PROTEINS																								
EF1A2_RAT	P62632	50780.44	1	2.4	2	5	2	5	44	2	5	2	5	3	11	41	2	5	2	5	2	5	36	Elongation factor 1-alpha
EFTU_RAT	P85834	49890.14	3	10.4	6	20.6	5	18.1	47	3	10.4	4	12.8	4	13.9	30	4	11.9	4	13.9	3	10.4	55	Elongation factor Tu
EF1A1_RAT	P62630	50451.24	1	2.4	3	11	2	5	47	3	7.6	5	20.3	4	16.2	51	5	22.1	5	20.6	3	9.1	51	Elongation factor 1-alpha
RL18_RAT	P12001	21702.22	1	6.9	2	13.8	2	13.8	19	2	13.8	2	13.8	2	13.8	30	3	14.9	2	13.8	2	13.8	25	60S ribosomal protein L18
RLA2_RAT	P02401	11684.86	1	13.9	4	47.8	3	31.3	21	4	47.8	4	47.8	4	47.8	28	4	47.8	3	40.9	3	40.9	25	60S acidic ribosomal protein P2
RLA1_RAT	P19944	11620.73	0	0	1	14	1	14	12	1	14	1	14	1	14	22	1	14	1	14	1	14	28	60S acidic ribosomal protein P1
RS10_RAT	P63326	18885.87	1	5.5	1	5.5	1	5.5	7	1	5.5	1	5.5	1	5.5	13	1	5.5	1	5.5	1	5.5	8	40S ribosomal protein S10
RL3_RAT	P21531	46279.88	0	0	1	2.2	1	2.2	5	2	5.2	1	2.2	2	5.2	10	2	5.2	2	4.2	1	2.2	11	60S ribosomal protein L3
RL7A_RAT	P62425	30148.09	0	0	0	0	1	6	2	2	13.5	1	6	1	6	10	1	7.5	0	0	0	0	1	60S ribosomal protein L7a
RL7_RAT	P05426	30367.08	1	4.2	1	4.2	1	4.6	5	0	0	2	8.8	1	4.6	9	0	0	2	9.6	1	4.2	8	60S ribosomal protein L7
RL24_RAT	P83732	17881.94	1	5.7	2	14	1	5.7	6	1	5.7	1	5.7	1	5.7	8	0	0	1	5.7	1	5.7	3	60S ribosomal protein L24
RLA0_RAT	P19945	34519.91	1	3.8	1	3.8	1	3.8	10	1	3.8	1	3.8	1	3.8	6	1	3.8	1	3.8	1	3.8	12	60S acidic ribosomal protein P0
RL6_RAT	P21533	33545.95	0	0	1	3	0	0	2	1	3	1	3	1	3	6	1	3	2	8.1	1	3	10	60S ribosomal protein L6
RS7_RAT	P62083	22113.26	0	0	1	6.2	0	0	1	1	6.2	1	6.2	2	18	6	0	0	1	6.2	1	6.2	4	40S ribosomal protein S7 B
RS14_RAT	P13471	16433.6	1	9.3	1	9.3	1	9.3	4	1	9.3	1	9.3	1	9.3	4	1	9.3	1	9.3	1	9.3	6	40S ribosomal protein S14
RL21_RAT	P20280	18652.1	1	9.4	0	0	1	9.4	2	1	9.4	1	9.4	1	9.4	4	1	9.4	1	9.4	0	0	2	60S ribosomal protein L21
RL4_RAT	P50878	47667.21	0	0	1	2.8	1	2.8	2	0	0	1	2.8	1	2.8	3	0	0	2	7.3	1	2.8	5	60S ribosomal protein L4
RL13_RAT	P41123	24390.56	1	3.8	2	7.6	1	3.8	7	0	0	1	3.8	0	0	2	1	3.8	0	0	1	3.8	4	60S ribosomal protein L13
RL23A_RAT	P62752	17684.13	0	0	1	8.3	0	0	3	0	0	0	0	1	8.3	1	2	10.9	1	8.3	0	0	4	60S ribosomal protein L23a
RL12_RAT	P23358	17978.6	0	0	1	5.5	1	5.5	5	0	0	1	5.5	0	0	2	1	5.5	1	5.5	1	5.5	5	60S ribosomal protein L12
RS16_RAT	P62250	16549.08	1	6.8	1	6.8	0	0	2	1	6.8	0	0	0	0	2	0	0	0	0	1	6.8	2	40S ribosomal protein S16
CYTOSKELETAL AND CELL ADHESION																								

ACTIN/ARP																						
ACTB_RAT	P60711	42051.86	14	46.7	15	54.1	14	48.3	1212	18	62.9	18	63.5	18	65.6	1256	16	57.1	14	41.3	17	62.7	1177	Actin, cytoplasmic 1
ACTBL_HUMAN	Q562R1	42318.1	5	13.6	4	12.8	5	13.6	378	4	12.8	5	20.7	4	12.8	368	4	12.8	4	12.8	4	12.8	427	Beta-actin-like protein 2
ARP3_RAT	Q4V7C7	47797.15	2	6.7	4	13.9	4	11.7	23	2	6	3	8.9	2	6	14	4	11.5	3	9.3	3	8.9	26	Actin-related protein 3
ARPC3_MOUSE	Q9JM76	20524.75	2	13.5	2	15.2	1	6.2	24	1	6.2	1	6.2	2	15.2	15	2	15.2	1	6.2	1	6.2	18	Actin-related protein 2/3 complex subunit 3
ARP5L_RAT	A1L108	16930.81	1	7.8	1	7.8	2	20.3	11	0	0	2	21.6	3	34	10	1	7.8	0	0	1	7.8	5	Actin-related protein 2/3 complex subunit 5-like protein
ARC1A_RAT	Q99PD4	42169.9	1	2.7	1	2.7	2	5.9	6	1	2.7	2	7.3	2	7.3	7	1	2.7	1	2.7	2	7.3	5	Actin-related protein 2/3 complex subunit 1A
ARPC2_RAT	P85970	34441.52	1	4.7	1	4.7	1	3	4	0	0	2	7.7	1	4.7	5	1	4.7	1	4.7	0	0	2	Actin-related protein 2/3 complex subunit 2
TMOD2_RAT	P70566	39486.62	4	16.5	4	16.5	4	16.5	76	4	16.5	5	21.4	5	25.1	107	4	16.5	3	14.5	4	16.5	93	Tropomodulin-2
ARPC4_MOUSE	P59999	19768.35	2	9.5	1	6.5	1	6.5	6	1	4.8	1	6.5	0	0	3	1	6.5	2	11.3	1	6.5	8	Actin-related protein 2/3 complex subunit 4
TUBULIN																						
TBB2A_RAT	P85108	50255.17	24	66.5	25	67	27	67.2	2446	28	67.2	30	68.5	30	68.5	3419	26	67.2	23	62	28	67.9	2382	Tubulin alpha-2A chain
ACTININ																						
ACTN1_RAT	Q9Z1P2	103465.79	6	8.5	6	9.3	7	10.8	53	5	7	5	8.9	5	8.2	50	4	5.8	5	6.8	5	7.7	49	Alpha-actinin-1
ACTN4_RAT	Q9QXQ0	105318.66	2	2.6	5	7.4	2	2.4	32	3	3.7	2	3.3	1	1.3	35	2	2.6	3	3.7	2	2.6	36	Alpha-actinin-4
ACTN2_HUMAN	P35609	104283.55	2	2.9	3	4.4	1	1.1	10	1	1.3	0	0	1	1.8	3	1	1.8	1	1.1	0	0	3	Alpha-actinin-2
SPECTRIN																						
SPTA2_RAT	P16086	285260.57	48	22.7	76	40	71	37.7	1173	68	36.2	66	34.9	66	33.7	1151	58	30.1	60	31	77	39.7	1147	Spectrin alpha chain,
SPTN2_RAT	Q9QWN8	272151.43	22	13.3	36	21.5	33	21.2	330	31	18.6	36	22.9	38	22.6	358	38	22.2	34	21.5	40	23.3	385	Spectrin beta chain
SPTN4_HUMAN	Q9H254	290005.05	0	0	3	1.4	1	0.5	9	0	0	3	2.1	1	0.5	4	5	2.7	3	2.1	3	2.1	13	Spectrin beta chain
SPTB2_MOUSE	Q62261	274907.77	43	22	59	31.4	63	33.9	1133	68	35	74	38.6	70	37	1237	57	32.1	48	27.4	54	31	1113	SpectrN beta chain
MICROTUBULE ASSOCIATED PROTEINS (MAPs)																						
MAP6_RAT	Q63560	100651.46	11	30.6	14	35.3	13	34.5	445	16	38.6	16	39.1	15	35.9	486	14	35.7	13	33	14	35.7	424	Microtubule-associated protein 6
MAP1B_RAT	P15205	270531.67	21	9.8	23	12.9	22	11.6	343	24	11.9	32	17.6	29	14.6	379	26	13.6	17	10	30	16.5	328	Microtubule-associated protein 1B
MAP1A_RAT	P34926	300830.91	10	5.4	13	6.7	15	7.7	172	13	7.5	23	12.3	14	8	176	15	8.7	10	5.6	17	9.6	170	Microtubule-associated protein 1A
MAP4_RAT	Q5M7W5	110746.2	4	5.7	3	4.3	3	4.3	82	4	5.7	4	5.7	4	5.7	109	4	5.7	3	4.3	4	5.7	70	Microtubule-associated protein 4
MAP2_RAT	P15146	202743.75	2	1.3	3	2.1	2	1.5	15	5	3.7	6	4.4	2	1.9	25	4	2.7	3	2.3	3	2.1	16	Microtubule-associated protein 2
MACF1_HUMAN	Q9UPN3	623625.86	2	0.7	1	0.2	1	0.2	8	2	0.4	2	0.7	2	0.4	11	1	0.2	2	0.4	3	0.9	12	Microtubule-actin cross-linking factor 1
MLP3A_RAT	Q6XVN8	14320.41	0	0	1	10.7	1	10.7	2	0	0	1	10.7	1	11.6	2	2	22.3	2	22.3	1	10.7	6	Microtubule-associated proteins 1A/1B light chain 3A
MA6D1_MOUSE	Q14BB9	20648.26	0	0	0	0	0	0	0	1	12	1	12	1	12	5	0	0	0	0	0	0	0	MAP6 domain-containing protein 1
MACF1_MOUSE	Q9QXZ0	611249.19	2	0.5	3	0.7	3	0.7	18	4	0.9	5	1.5	5	1.3	32	3	0.7	1	0.2	4	1.2	19	Microtubule-actin cross-linking factor 1
KIF5C_MOUSE	P28738	109997.37	3	4.1	5	7.7	3	4.7	23	5	7.8	4	6	5	7.8	27	4	6.7	3	4.7	3	4.9	24	Kinesin heavy chain isofo 5C
TAU_MOUSE	P10637	81107.97	2	3.6	5	9.8	5	12.1	86	7	13.9	7	13.9	6	12.2	111	5	12.1	3	6.1	5	12.1	75	Microtubule-associated protein tau
MARE3_RAT	Q5XIT1	32247.07	0	0	1	6	1	6	4	1	6	1	6	1	6	9	1	6	1	6	1	6	7	Microtubule-associated protein RP/EB family member 3
CATENINS																						
CTND2_MOUSE	O35927	135999.63	4	4.8	3	3.7	4	3.8	43	4	4.8	6	6.3	6	7.2	58	5	6.1	3	3.7	3	3.3	37	Catenin delta-2
CTNB1_RAT	Q9WU82	86083.46	6	8.8	8	12.2	9	14	91	6	8.8	9	15	10	17.7	81	7	11.9	7	13.4	6	8.2	69	Catenin beta-1
CTNA2_MOUSE	Q61301	106045.13	4	4.7	9	13.5	10	18.3	52	9	15.5	9	12.9	9	14.6	46	7	12.3	7	10.6	5	8.1	38	Catenin alpha-2
MYELIN																						
MBP_RAT	P02688	21545.99	7	37.9	5	31.8	6	32.8	180	6	32.8	6	32.8	7	37.9	223	7	37.9	6	32.8	6	32.8	206	Myelin basic protein S
MOG_RAT	Q63345	28651.92	1	4.9	2	9.8	3	15	67	2	9.8	3	15	3	15	80	3	15	3	15	2	9.8	90	Myelin-oligodendrocyte glycoprotein
OMGP_MOUSE	Q63912	49708.2	3	7.3	5	12.3	4	9.8	63	3	7.3	3	7.3	3	7.3	43	3	7.3	5	12.3	4	9.8	54	Oligodendrocyte-myelin glycoprotein
CELL RECOGNITION MOLECULES																						
NPTN_RAT	P97546	31499.94	0	0	1	6.4	1	6.4	5	1	6.4	1	6.4	1	6.4	5	1	6.4	0	0	1	6.4	3	Neuroplastin
NFASC_RAT	P97685	138716.53	7	7.8	11	13.2	7	8.3	73	7	8.2	11	13.1	9	9.9	85	10	12.3	10	12.3	10	12.3	102	Neurofascin
TENR_RAT	Q05546	151614.38	0	0	0	0	1	1	1	1	0.8	1	1.3	1	0.8	3	2	1.8	0	0	1	0.8	3	Tenascin-R
KERATINS																						
K1C9_HUMAN	P35527	62320	3	5.6	1	1.4	6	12	38	8	18.8	8	18.8	7	19.4	55	5	11.4	3	5.6	6	14.4	36	Keratin, type I cytoskeletal 9
K2C5_HUMAN	P13647	62568.06	1	2	1	2	1	2	33	2	3.9	1	2	1	2	42	1	2	2	3.6	1	2	31	Keratin, type II cytoskeletal 5
K1C10_HUMAN	P13645	59702.99	2	4.2	4	7.3	4	7.6	52	7	14	5	10.5	4	8.3	56	3	5.1	2	5.2	5	10.8	37	Keratin, type I cytoskeletal 10
OTHER CYTOSKELETAL PROTEINS																						
ABLM1_MOUSE	Q8K4G5	89512.79	1	2.1	2	3.6	3	5.4	17	2	3.6	2	3.6	3	5.4	26	2	3.6	1	1.5	2	3.6	24	Actin-binding LIM protein 1
ABI1_RAT	Q9QZM5	55160.76	0	0	2	7.1	3	10.6	14	4	12.8	4	13.4	3	9.3	20	4	13.8	3	10.6	2	7.1	20	Abl interactor 1
BRK1_MOUSE	Q91VR8	8812.48	0	0	1	17.3	1	17.3	3	0	0	1	17.3	1	17.3	2	1	17.3	1	17.3	1	17.3	4	Probable protein BRICK1
AINX_MOUSE	P46660	55879.46	13	28.4	15	28.4	15	27.4	281	20	37.5	17	29.6	14	26.2	359	16	28.2	14	31	17	29.6	298	Alpha-internexin
ABI2_MOUSE	P62484	49413.5	1	3.8	0	0	2	7.4	5	2	7.4	3	11.4	1	3.6	12	2	7.4	0	0	1	3.6	6	Abl interactor 2
ABLM2_RAT	Q6KC51	69773.8	1	2.3	2	4.6	2	4.9	8	2	4.9	2	4.9	3	8.7	14	2	4.9	1	2	2	4.9	7	Actin-binding LIM protein 2
ACTZ_RAT	P85515	42700.95	1	2.1	0	0	1	4.3	4	2	9	2	10.1	1	4.3	17	1	4.3	1	4.3	0	0	4	Alpha-centractin
ADDA_RAT	Q63028	80704.43	3	5.4	5	10.7	4	6.9	32	7	16.7	8	18.9	4	8.8	58	4	9.4	6	12.1	5	10.7	42	Alpha-adducin
ADDB_RAT	Q05764	81259.6	3	3.9	5	7.7	2	2.5	28	3	4.3	3	3.9	2	2.5	23	4	6.2	3	3.9	3	4.4	19	Beta-adducin
ADA23_MOUSE	Q9R1V7	94432.51	2	3.4	1	2.2	1	2.2	9	3	5.4	2	3.4	1	2.2	12	1	2.2	2	3.4	1	2.2	9	ADAM 23
ADA11_MOUSE	Q9R1V4	85873.39	0	0	0	0	1	2.2	1	2	4.3	2	4.3	1	2.1	6	1	2.1	0	0	1	2.1	2	ADAM 11
ADDG_RAT	Q62847	79096.85	0	0	0	0	1	3.1	1	0	0	2	4.5	1	3.1	5	0	0	0	0	0	0	0	Gamma-adducin
ADA22_MOUSE	Q9R1V6	102330.69	2	3.3	2	3.3	2	3.3	10	0	0	1	1.8	0	0	1	1	1.8	1	1.5	1	1.5	5	ADAM 22
ANK3_HUMAN	Q12955	481838.02	7	1.9	7	1.9	9	2.3	97	12	3.1	11	3.6	10	3.6	126	11	3.2	6	1.5	9	2.6	111	Ankyrin-3
ANK2_MOUSE	Q8C8R3	428451.34	26	9.5	28	10	32	12	485	31	11.3	39	14.9	30	11.7	548	31	11.3	25	8.5	30	10.9	494	Ankyrin-2
A26CB_HUMAN	A5A3E0	123020.32	4	5.9	4	5.9	5	6.8	410	5	6.9	5	6.9	6	7.8	424	5	6.9	5	6.8	5	6.8	437	ANKRD26-like family C member 1B
ANS1B_RAT	P0C6S7	140187.21	8	5.4	8	6.9	9	7.5	171	9	6.7	6	5.1	7	6.7	117	8	7.3	10	8.3	9	7.5	138	Ankyrin repeat and sterile alpha motif domain-containing protein
BSN_RAT	O88778	420277.68	45	17.8	56	23.2	60	24.8	1036	50	20.4	59	25.2	62	27.6	897	63	26.8	55	23.2	56	25.4	960	Protein bassoon
CAZA2_RAT	Q3T1K5	33117.68	3	15	3	15	5	28.3	66	5	28.3	5	28.3	4	21.3	70	4	22	2	8.7	4	22	47	F-actin-capping protein subunit alpha-2
CAPZB_RAT	Q5XI32	34176.09	3	14.6	5	27.9	5	29.6	51	5	29.6	5	29.6	5	29.6	66	4	24.9	4	22.9	4	21.3	50	F-actin-capping protein subunit beta
CAZA1_RAT	B2GUZ5	33082.39	1	3.5	1	3.5	1	3.5	37	2	9.8	2	9.8	1	3.5	27	1	3.5	1	3.5	1	3.5	23	F-actin-capping protein subunit alpha-1
COF1_RAT	P45592	18791.74	1	6.6	1	6.6	1	6.6	36	1	6.6	1	6.6	1	6.6	31	1	6.6	1	6.6	1	6.6	22	Cofilin-1
CKAP5_HUMAN	Q14008	227062.42	0	0	2	1.2	2	1.2	4	2	1.2	2	1.7	3	1.4	9	2	1.2	1	0.7	2	1.2	16	Cytkeleton-associated protein 5
RBGI2_RAT	Q811U3	128479.72	1	1.1	5	4.2	3	2.6	73	2	2	2	2	3	2.9	53	3	2.7	4	5	3	2.7	61	ELKS/RAB6-interacting/CAST family member 1
COR2B_MOUSE	Q88H44	54911.07	1	2.5	1	2.5	1	2.5	20	1	2.5	1	2.5	2	5.5	26	1	2.5	2	5.3	1	2.5	22	Coronin-
COR1C_MOUSE	Q9WUM4	53899.32	4	9.5	3	6.1	3	7.8	23	1	2.3	2	4	3	7.4	10	1	1.7	3	7.4	3	6.1	13	Coronin-1C
COR1A_RAT	Q91ZN1	51717.22	0	0	1	2.2	1	3.5	2	0	0	0	0	1	2.2	1	1	6.3	2	5.6	3	11.9	11	Coronin-1A
CRAC1_MOUSE	Q8R555	71021.66	1	1.7	0	0	1	1.7	2	0	0	0	0	1	1.7	1	1	1.7	0	0	2	5	6	Cartilage acidic protein 1 Crtac1 2 1
GEPH_HUMAN	Q9NQX3	80382.24	2	3.7	4	8.4	3	6.2	40	5	9.5	4	8.4	5	10.6	51	5	9.5	4	8	5	9.5	44	Gephyrin
DREB_RAT	Q07266	78222.51	2	4.1	6	14	4	8.9	24	4	10	7	16.5	5	10.9	33	3	6.1	3	7.6	3	8.9	16	Drebrin
DBNL_RAT	Q9JHL4	48924.65	0	0	0	0	1	3.7	2	1	3.7	1	3.7	1	3.7	18	1	3.7	0	0	1	3.7	4	Drebrin-like protein
ERC2_RAT	Q8K3M6	110661.09	5	8	13	17.2	13	19.6	135	9	14.5	9	13.4	11	16.7	114	10	14.5	8	10.4	10	14.2	110	ERC protein 2
E41L5_RAT	Q5FVG2	57418.4	0	0	1	1.6	1	1.6	3	1	1.6	0	0	1	1.6	3	0	0	1	1.6	1	1.6	4	Band 4.1-like protein 5
EZRI_RAT	P31977	68831.54	2	2.8	1	1.5	1	1.5	8	1	1.5	0	0	0	0	2	1	1.5	1	1.5	2	2.8	13	Ezrin
NCKP1_RAT	P55161	130092.92	0	0	4	4.4	2	2.5	9	1	1.1	3	3.6	3	3.6	14	3	3.4	4	4.7	2	2.4	20	Nck-associated protein 1
E41L3_MOUSE	Q9WV92	103730.6	1	1.7	1	1.7	2	3.2	7	2	3.3	5	8.7	2	3.9	16	3	5.5	2	3.1	3	5.5	13	Band 4.1-like protein 3
FSCN1_RAT	P85845	55215.21	0	0	0	0	1	3.2	2	1	3.2	0	0	1	3.2	2	1	3.2	2	4.5	1	3.2	4	Fascin
AINX_RAT	P23565	56252.7	16	37	17	36.8	19	36.2	372	23	41.6	21	38.4	18	35	504	20	37	17	39.6	21	38.4	454	Alpha-internexin
PLAK_RAT	Q6P0K8	82510.06	1	1.3	1	1.3	1	1.3	3	2	3.5	1	1.3	1	1.3	7	1	1.3	0	0	1	1.3	3	Junction plakoglobin
PRRT1_RAT	Q6MG82	31654.15	1	4.9	1	4.9	1	4.9	28	1	4.9	1	4.9	1	4.9	16	1	4.9	1	4.9	1	4.9	15	Proline-rich transmembrane protein 1
NFM_RAT	P12839	95847.62	7	10.8	9	15.1	10	15.5	127	12	16.9	13	19.5	10	15.4	162	8	11.1	8	13	10	15.5	122	Neurofilament medium polypeptide
NFH_MOUSE	P19246	117208.95	6	6.4	6	6.3	6	6.4	99	6	6.4	6	6.4	6	6.4	93	5	5.1	4	4.3	6	6.4	93	Neurofilament heavy polypeptide
NFL_RAT	P19527	61528.13	15	24.9	15	30.4	15	29.3	287	16	32.2	17	33.9	16	28.4	254	16	30.6	17	31.7	16	30.8	256	Neurofilament light polyptide
PALM2_MOUSE	Q8BR92	42297.39	1	4	1	4	1	4	5	1	4	1	4	1	4	4	1	4	1	4	1	4	5	Paralemmin-2
PKP4_MOUSE	Q68FH0	132268.24	4	4.2	5	5.3	6	5.8	52	2	2.4	5	4.3	5	5.6	42	6	6.8	4	4.5	5	5	46	Plakophilin-4
PLEC1_RAT	P30427	535152.26	12	3.2	16	4.8	16	4.9	88	14	4.4	15	4.9	14	4.6	97	14	4.9	18	5.5	23	6.7	116	Plectin-1
LYRIC_RAT	Q9Z1W6	64044.79	0	0	1	1.9	0	0	1	1	1.9	2	4.1	1	1.9	7	0	0	0	0	1	1.9	2	Protein LYRIC
LIPA3_RAT	Q91279	133984.06	4	4.4	6	6.9	5	4.8	25	3	3.1	6	6.8	4	5.1	30	3	3.1	2	2.2	3	3.9	18	Liprin-alpha-3

LIPA2_MOUSE	Q8BSS9	143566.69	2	2	4	3.8	2	1.8	15	3	2.9	2	1.8	2	1.6	20	1	1	0	0	2	2.1	8	Liprin-alpha-2
PROF2_RAT	Q9EPC6	15364.38	2	15.7	1	10	1	10	34	1	10	2	15.7	1	10	35	2	15.7	1	10	1	10	21	Profilin-2
SYNPO_RAT	Q9Z327	100380.61	1	1.9	3	6.7	2	4.9	7	2	4.2	1	2.3	1	2.3	7	3	6.9	3	5.9	2	4.1	12	Synaptopodin
THY1_RAT	P01830	18388.76	6	31.7	6	31.7	6	31.7	194	5	25.5	7	32.3	7	32.3	233	6	31.7	6	31.7	7	32.3	196	Thy-1 membrane glycoprotein
TAGL3_RAT	P37805	22641.24	3	21.6	7	48.7	7	45.2	72	2	18.1	8	52.3	5	30.2	48	6	35.2	8	53.3	7	45.2	91	Transgelin-3
WASF1_RAT	Q5BJU7	61755.88	4	8.8	4	8.8	5	11.1	34	4	7.7	5	11.1	5	12	27	6	13.4	2	5	5	11.1	36	Wiskott-Aldrich syndrome protein family member 1
WASF3_MOUSE	Q8VHI6	55372.69	0	0	0	0	1	2.6	1	0	0	2	6.6	1	2.6	8	1	2.6	1	2.6	0	0	2	Wiskott-Aldrich syndrome protein family member 3
OTHER CELL ADHESION MOLECULES																								
ASTN1_MOUSE	Q61137	147628.81	1	0.8	1	1.4	1	1.8	4	1	1.4	3	4.3	3	4.4	11	0	0	2	2.2	3	4	6	Astrotactin-1
CNTP1_RAT	P97846	157764.53	14	13.1	19	18	15	14	229	14	11.9	16	14.7	16	15.8	199	13	12.2	21	20.3	18	15.8	255	Contactin-associated protein 1
CAD13_MOUSE	Q9WTR5	78546.86	2	5.2	1	2	1	2	11	2	5.2	2	5.2	2	5.2	18	2	5.2	1	2	1	3.2	9	Cadherin-13
NCAN_RAT	P55067	137398.7	5	4.2	4	3.6	4	3.6	78	3	2.5	3	2.5	4	3.6	57	4	3.6	3	2.5	4	3.6	89	Neurocan core protein
CNTN1_RAT	Q63198	114278.38	24	26.8	27	36.3	29	38.9	845	25	34.4	28	38.3	29	43.4	730	26	36.8	27	34	29	40.2	849	Contactin-1
HPLN1_RAT	P03994	41079.4	4	9.8	6	17.4	5	14.9	53	3	8.7	3	8.7	3	8.7	31	3	8.7	6	15.7	3	8.4	43	Hyaluronan and proteoglycan link protein 1
HPLN4_MOUSE	Q80WM4	42808.69	1	2.2	1	2.2	1	2.2	24	1	2.2	2	7	1	2.2	15	1	2.2	1	2.2	1	2.2	23	Hyaluronan and proteoglycan link protein 4
NEGR1_RAT	Q9ZQJ8	39378.52	1	3.7	1	3.7	1	3.7	47	1	3.7	1	3.7	1	3.7	32	1	3.7	1	3.7	1	3.7	35	Neuronal growth regulator 1
CD47_RAT	P97829	33486.98	1	2.6	1	2.6	2	7.6	25	1	2.6	1	2.6	2	7.6	10	2	7.6	2	7.6	1	2.6	16	Leukocyte surface antigen CD47
LGI1_RAT	Q8K4Y5	64428.71	4	6.8	6	13.1	4	9.9	43	8	15.6	7	15.4	5	10.6	53	7	15.3	7	14.5	6	12.4	51	Leucine-rich glioma-inactivated protein 1
LRRC7_RAT	P70587	168050.32	6	6.6	9	8.9	11	11.3	79	7	7.1	10	10.8	10	10.3	52	11	11.4	9	9.4	9	9.5	75	Leucine-rich repeat-containing protein 7
LRFN6_MOUSE	Q68FM6	91055.78	2	3	3	6.3	4	7.4	18	3	5.3	2	4.3	3	6.3	15	3	6.3	2	3	3	6.3	11	Leucine-rich repeat and fibronectin type-III domain-containing protein 6
LSAMP_RAT	Q62813	37883.4	2	8.6	5	21	3	15.4	87	4	19.5	5	21	4	15.4	92	3	15.4	4	15.4	6	25.1	100	Limbic system-associated membrane protein
LRC59_RAT	Q5RJR8	35311.94	1	3.9	0	0	3	13	6	3	13	4	16.9	3	13	22	2	8.1	1	4.2	2	8.1	8	Leucine-rich repeat-containing protein 59
BPAEA_HUMAN	O94833	593762.6	0	0	1	0.2	2	0.4	6	2	0.4	2	0.4	2	0.4	15	1	0.2	1	0.2	1	0.2	11	Bullous pemphigoid antigen 1
L1CAM_RAT	Q05695	141815.76	0	0	2	1.8	1	1	4	0	0	3	4.6	0	0	3	1	1.6	0	0	1	1.6	2	Neural cell adhesion molecule L1
NTRI_MOUSE	Q99PJ0	38530.68	1	6.1	3	10.5	4	15.7	33	3	10.5	5	15.7	4	15.1	39	4	15.1	2	6.1	5	15.7	47	Neurotrimin
ICAM5_MOUSE	Q60625	98510.23	4	5.5	2	2.8	2	2.8	15	1	1.9	3	4.1	2	3.2	14	2	2.8	1	1.9	1	1	7	Intercellular adhesion molecule 5
CADH2_RAT	Q9Z1Y3	100080.51	2	3	3	7.3	2	4.4	20	2	4.4	3	7.3	3	7.3	26	3	7.3	2	4.9	3	6.1	23	Cadherin-2
NCAM1_RAT	P13596	120151.75	4	5.2	4	5.8	5	6.8	47	5	6.8	6	7.9	5	6.9	52	5	6.8	5	6.8	4	5.8	46	Neural cell adhesion molecule 1
NLGN2_RAT	Q62888	91502.17	1	1.9	1	1.9	2	4.3	9	1	1.9	1	2.4	1	2.4	5	1	1.9	1	1.8	1	1.9	8	Neuroligin-2
NRX1A_RAT	Q63372	170170.05	0	0	1	1.2	1	1.2	5	0	0	1	1.2	1	1.2	4	1	1.2	0	0	1	1.2	4	Neurexin-1-alpha
OPCM_RAT	P32736	38403.44	1	3.2	1	3.2	2	8.7	16	2	9.3	3	14.5	3	13.9	23	2	9.3	1	3.2	2	7.8	14	Opioid-binding protein/cell adhesion molecule
SYNAPTIC VESICLES/PROTEIN TRANSPORT																								
CLATHRIN																								
CLH_RAT	P11442	193234.17	5	3.3	8	6.3	10	8.2	66	6	4.9	9	7.5	7	5.7	51	11	9.2	14	10.4	12	9.7	82	Clathrin heavy chain 1
SYNAPTIC VESICLES																								
AP180_RAT	Q05140	92672.11	0	0	1	1.3	1	1.3	9	1	1.3	1	1.3	1	1.3	10	1	1.3	1	1.3	2	2.2	10	Clathrin coat assembly protein
AP2S1_RAT	P62744	17177.76	1	4.9	0	0	1	4.9	5	1	4.9	1	4.9	1	4.9	4	0	0	1	4.9	1	4.9	4	AP-2 complex subunit
AP2M1_RAT	P84092	49965.15	5	12.4	7	17.7	7	20.2	64	8	21.1	8	21.1	9	27.6	73	8	21.4	5	15.4	7	17.5	66	AP-2 complex subunit mu-1
AP2A2_RAT	P18484	104891.43	10	12.3	13	19.2	12	16.3	146	14	19.6	18	27.7	13	17.9	132	11	15.4	13	17.7	16	21.5	159	AP-2 complex subunit alpha-2
AP2A1_MOUSE	P17426	108679.34	10	13.3	11	15.1	9	12.7	124	9	13.1	11	16	7	10	91	11	15.1	13	17.2	9	13	119	AP-2 complex subunit alpha-1
AP2B1_RAT	P62944	106550.96	6	6.6	7	9.8	10	13.4	72	8	10.8	11	18.1	8	11.1	77	8	11.5	8	11.8	8	9.9	82	AP-1 complex subunit beta-1
NSF_RAT	Q9QUL6	83131.17	15	25.3	13	23	14	24.1	233	17	30.6	20	30.8	17	26.3	300	12	23	14	23.7	10	17.2	158	Vesicle-fusing ATPase
RIMS1_RAT	Q9JIR4	180798.74	2	1.7	8	7.6	7	5.4	33	5	3.9	7	4.1	10	8.3	36	8	6.9	8	7.1	6	4.9	36	Regulating synaptic membrane exocytis protein 1
BIN1_RAT	O08839	64658.33	2	6.3	2	6.3	2	6.3	12	2	6.3	2	6.3	2	6.3	14	3	9.7	2	6.3	2	6.3	13	Myc box-dependent-interacting protein 1
RIMB2_RAT	Q9JIR1	116283.45	1	1.5	4	6.5	2	3.1	12	2	2.6	2	4.4	3	5.9	9	4	6.4	3	4.8	4	6.9	22	RIMS-binding protein 2
RIMS2_RAT	Q9JIS1	161215.72	0	0	2	2.1	0	0	2	1	0.9	0	0	1	1.2	2	1	0.9	1	0.9	1	0.9	5	Regulating synaptic membrane exocytis protein 2
RP3A_RAT	P47709	76640.06	2	4.5	3	7.6	3	7.6	22	3	7.6	3	7.6	3	7.6	16	3	7.6	4	12.4	3	7.6	21	Rabphilin-3A
SNP25_RAT	P60881	23528.29	3	21.8	2	14.6	2	14.6	45	2	14.6	2	14.6	3	21.4	31	4	29.6	4	34	4	28.6	35	Synaptomal-associated protein 25
CPLX1_RAT	P63041	15169.48	1	14.9	1	14.9	1	14.9	4	1	14.9	1	14.9	0	0	2	2	32.8	0	0	1	14.9	4	Complexin-1
CPLX2_RAT	P84087	15498.72	0	0	1	11.2	1	17.9	4	1	17.9	2	29.1	1	17.9	8	2	29.1	0	0	0	0	3	Complexin-2
SNIP_RAT	Q9QXY2	130006.77	18	24.2	23	32.2	25	33.9	335	22	29.2	28	39.3	29	39.3	341	23	32.1	22	29.5	23	32.6	325	p130Cas-associated protein
STX1B_RAT	P61265	33481.93	1	4.9	3	13.2	1	4.9	45	2	10.1	3	14.2	2	10.1	37	2	10.1	3	13.2	2	10.1	45	Syntaxin-1
STXB1_RAT	P61765	67925.01	4	6.4	2	4.4	5	10.4	25	3	7.4	5	10.8	4	8.8	24	3	7.4	3	6.1	4	10.3	28	Syntaxin-binding protein 1
SYN1_RAT	P09951	74113.66	21	48.7	22	48.3	23	52.7	1094	23	49.1	23	52.7	22	48.3	1085	23	48.9	19	46.4	20	46.6	949	Synapsin-1
SYN2_RAT	Q63537	63701.88	12	31.1	14	36	15	37.2	540	14	36	14	36	14	36	533	13	33.8	13	33.6	15	37.2	496	Synapsin-2
SYN3_RAT	O70441	63536.95	2	5	2	5	2	5	50	2	5	3	9	3	9	48	2	5	2	5	2	5	43	Synapsin-3
SYT1_RAT	P21707	47934.95	3	8.3	2	5.9	2	6.4	20	3	8.3	5	13.7	4	11.6	38	2	5.9	4	13.7	2	5.9	24	Synaptotagmin-1
STML2_RAT	Q4FZT0	38475.26	0	0	1	4.2	1	4.2	8	1	4.2	1	4.2	1	4.2	7	1	4.2	1	4.2	1	4.2	14	Stomatin-like protein 2
SYNJ1_RAT	Q62910	173970.02	3	4.6	2	2.7	2	2.7	12	3	4.7	3	4.4	3	4.4	18	3	4.4	1	0.8	1	1.8	8	Synaptojanin-1
SYT7_HUMAN	O43581	45814.75	1	4.5	0	0	1	4.5	3	2	7.7	1	4.5	1	4.5	4	0	0	1	2.7	2	10.4	3	Synaptotagmin-7
VAMP2_RAT	P63045	12697.69	0	0	1	20.7	1	20.7	2	0	0	0	0	1	20.7	1	1	20.7	0	0	1	20.7	3	Vesicle-associated membrane protein 2
ZO1_MOUSE	P39447	197828.88	1	0.5	1	0.5	2	1.5	9	1	1.1	2	1.5	1	1.1	7	1	0.5	0	0	1	1.1	2	Tight junction protein
PACS1_RAT	O88588	105034.47	2	4.8	1	2.7	1	2.7	44	1	2.7	1	2.7	1	2.7	47	1	2.7	1	2.7	1	2.7	44	phosphofurin acidic cluster sorting protein 1
UN13A_MOUSE	Q4KUS2		2		3		3		22	3		2		3		13	3		1		2		15	Protein unc-13 homolog A
UN13A_RAT	Q62768	198342	2	2	4	3.8	3	3.1	14	3	3.1	1	1	4	3.8	11	4	3.8	1	0.7	2	2	11	Protein unc-13 homolog A
VAPA_RAT	Q92270	28065.37	1	5.6	3	18.9	2	13.3	19	2	13.3	4	18.9	3	13.7	24	3	18.9	3	18.9	3	18.9	20	Vesicle-associated membrane protein-associated protein A
VAPB_RAT	Q92269	27127.06	2	14	1	8.2	1	8.2	4	2	11.5	5	20.2	4	14.4	16	1	5.8	0	0	2	14	3	Vesicle-associated membrane protein-associated protein B
TRANSPORTERS																								
ABCD3_HUMAN	P28288	75940.77	0	0	1	1.8	1	1.8	11	1	1.8	2	4.2	1	1.8	11	1	1.8	1	1.8	1	1.8	19	ATP-binding cassette sub-family D member 3
ABCB8_RAT	Q5RKI8	78405.39	2	2.4	4	6.6	4	8	24	2	3.5	5	10.6	2	5.6	19	3	4.8	2	2.9	2	3.6	18	ATP-binding cassette sub-family B member 8
MTCH1_MOUSE	Q791T5	41859.42	1	2.8	2	5.9	4	11.6	23	2	5.9	4	11.6	4	11.6	20	2	5.9	2	5.9	2	8.2	18	Mitochondrial carrier homolog 1
MTX3_HUMAN	Q5HYI7	35299.32	1	4.8	1	4.8	1	4.8	5	0	0	0	0	1	4.8	3	1	4.8	1	4.8	0	0	8	Metaxin-3
ADT2_RAT	Q09073	33138.24	7	31.9	6	18.8	8	26.2	205	9	31.2	7	24.8	9	31.2	151	10	34.9	7	29.2	5	15.1	134	ADP/ATP translocase 2
ADT1_MOUSE	P48962	33111.22	7	29.9	6	20.8	9	31.5	217	8	27.2	10	34.6	8	28.5	178	9	31.5	7	29.9	6	20.8	158	ADP/ATP translocase 1
MTX2_MOUSE	O88441	30081.12	1	3.8	2	10.3	2	10.3	9	1	3.8	2	10.3	2	10.3	11	2	10.3	2	10.3	1	6.5	8	Metaxin-2
SFXN3_RAT	Q9JHY2	35433.43	2	7.5	1	4.7	1	4.7	20	2	7.5	1	4.7	1	4.7	22	1	4.7	1	4.7	2	7.5	23	Sideroflexin-3
CMC1_MOUSE	Q8BH59	74921.89	6	10	5	7.7	5	7.4	46	5	8.3	7	13.6	5	10.2	31	7	11.1	7	13.7	5	6.9	38	Calcium-binding Mitochondrial carrier protein
MPCP_MOUSE	Q8VEM8	40062.63	2	6.7	2	6.7	2	6.7	35	2	10.9	1	3.4	1	3.4	19	2	5.6	1	3.4	1	3.4	24	Phosphate carrier protein, mitochondrial
GTR1_RAT	P11167	54438.7	3	8.5	4	8.7	4	8.7	43	4	8.7	3	3.9	4	8.7	31	3	8.5	3	8.5	4	8.7	36	Solute carrier family 2, facilitated glucose transporter member 1
S4A4_RAT	Q9JI66	122108	0	0	2	1.7	3	4.3	12	2	2.4	3	4.3	2	3.4	15	2	2.4	0	0	1	0.8	7	Electrogenic sodium bicarbonate cotransporter
S4A10_RAT	Q80ZA5	126933.81	0	0	2	1.8	1	1	4	1	1	3	4.1	2	2.5	15	1	1	1	1	1	1.2	4	Sodium-driven chloride bicarbonate exchanger
S27A1_RAT	P97849	72092.97	2	2.9	0	0	2	2.9	7	1	1.1	2	2.9	2	2.9	13	1	1.1	1	1.1	1	1.1	8	Long-chain fattype acid transport protein 1
S4A7_RAT	Q9R1N3	137096.91	0	0	0	0	1	0.9	2	1	0.9	1	0.9	0	0	6	1	0.9	0	0	1	0.9	3	Sodium bicarbonate cotransporter 3
S2546_RAT	Q5EB62	46537.02	1	2.6	2	6.5	2	6.5	20	0	0	1	3.8	0	0	1	1	3.8	1	2.6	0	0	5	Solute carrier family 25 member 46
SC23A_MOUSE	Q01405	87814.8	0	0	1	1.7	1	1.7	3	1	1.7	1	1.7	0	0	3	0	0	1	1.7	0	0	1	Protein transport protein
SAM50_RAT	Q6AXV4	52383.59	5	13.2	8	21.1	6	17.5	76	6	15.4	5	16.2	5	15.4	52	3	7.9	7	18.3	6	17.5	47	Sorting and assembly machinery component 50 homolog
GHC1_MOUSE	Q9D6M3	35104.37	6	19.8	7	26.6	6	19.8	114	6	24.1	5	16.4	6	24.1	89	7	23.8	6	24.1	4	13.9	90	Mitochondrial glutamate carrier 1
TOM70_RAT	Q75Q39	68143.14	6	9.5	8	18	8	13.8	69	6	10.2	7	13.6	5	9.2	49	5	7.9	7	15.6	5	9.5	49	Mitochondrial import receptor subunit TOM70
PITM1_RAT	Q5U2N3	136039.64	0	0	0	0	1	2	1	1	2	1	2	1	2	7	1	2	0	0	1	2	2	Membrane-associated phphatidylinitol transfer protein 1
TOM22_MOUSE	Q9CPQ3	15511.78	1	7.7	1	7.7	2	16.2	44	1	7.7	2	16.2	2	16.2	30	1	7.7	1	7.7	1	7.7	41	Mitochondrial import receptor subunit TOM22 homolog
TOM20_RAT	Q62760	16458.72	1	9	2	17.2	1	9	12	1	9	1	9	1	9	7	2	17.2	1	9	1	9	14	Mitochondrial import receptor subunit TOM20 homolog
TM40L_RAT	A4F267	33960.31	0	0	1	5.2	1	5.2	4	1	5.2	0	0	1	5.2	2	1	5.2	1	5.2	1	5.2	4	Mitochondrial import receptor subunit TOM40B
MOTOR PROTEINS																								
CLAP2_RAT	Q99JD4	141463.05	1	0.9	3	3.3	3	2.3	20	3	3.3	4	3.4	3	1.9	21	4	5.1	2	2.1	3	3.3	14	CLIP-associating protein 2
DCTN2_RAT	Q6AYH5	44203.79	0	0	1	5	1	5	2	3	10.7	3	10.7	2	8.5	19	2	7.2	1	3.5	1	5	5	Dynactin subunit 2
DCTN1_RAT	P28023	142583.28	1	0.8	0	0	0	0	1	1	0.8	2	3.2	0	0	4	0	0	0	0	1	0.8	1	Dynactin subunit 1
DYHC1_RAT	P38650	534652.87	11	2.9	11	2.9	4	1	53	15	4.1	12	3.5	10	2.9	85	10	2.5	7	1.9	9	2.4	40	Cytoplasmic dynein 1 heavy chain 1
DYL2_RAT	Q78P75	10457.11	2	25.8	3	50.6	3	50.6	40	2	25.8	4	55.1	2	25.8	40	3	50.6	3	50.6	3	50.6	42	Dynein light chain 2,
DYL1_RAT	P63170	10530.17	1	12.4	2	37.1	3	50.6	28	2	25.8	3	50.6	3	50.6	31	3	50.6	2	37.1	3	50.6	32	Dynein light chain 1,

IMMT_MOUSE	Q8CAQ8	84247.35	10	14.8	11	18	10	17.7	281	8	15.9	10	17.2	9	17.2	264	8	15.5	8	13.7	11	18.6	290	Mitochondrial inner membrane protein
KINH_RAT	Q2PQA9	110358.27	2	3	0	0	0	0	3	1	1.1	1	1.1	1	1.1	5	0	0	0	0	1	1.9	2	Kinesin-1 heavy chain
MYO1D_RAT	Q63357	116805.65	2	1.9	2	1.9	2	2.3	8	3	3.2	1	1.3	1	1.3	9	3	3.4	1	1.2	1	1.2	7	Myosin-Id
MYH9_RAT	Q62812	227565.9	4	2.8	7	5.6	5	4.2	38	7	5.6	5	4	8	6.3	56	7	5.7	7	5.9	9	7.3	54	Myosin-9
MY18A_MOUSE	Q9JMH9	233637.21	1	0.4	1	1.3	0	0	3	1	1.3	2	2.4	1	1.3	8	1	1.3	1	1.3	2	2.4	6	Myosin-XVIIIa
MYL6_RAT	Q64119	17090.2	4	36.4	4	38.4	3	28.5	49	3	27.8	4	38.4	3	28.5	55	4	38.4	2	17.9	4	38.4	42	Myosin light polyptide 6
MYH14_MOUSE	Q6URW6	229358.68	2	1.3	2	1.3	1	0.8	17	1	0.8	1	0.8	1	0.8	22	1	0.8	2	1.5	2	1.6	26	Myosin-14
MYPR_RAT	P60203	30869.41	4	16.2	4	17.3	3	13.4	178	3	13.4	4	17.3	2	9.4	142	3	13.4	4	17.3	3	13.4	164	Myelin proteolipid protein
MYO5A_RAT	Q9QYF3	213283.46	17	11.5	23	15.6	20	15.3	197	18	12.3	19	13.9	20	15.1	196	18	12.7	19	12	21	14.9	215	Myosin-Va
MLE1_RAT	P02600	20931.91	1	8.3	1	8.3	1	8.3	6	0	0	1	8.3	1	8.3	5	1	8.3	1	8.3	1	8.3	5	Myosin light chain 1
MYH10_RAT	Q9JLT0	229793.37	11	7.7	21	15.1	17	12.3	102	18	14.1	25	18.1	23	16.6	147	19	13.8	16	10.9	24	17.4	126	Myosin-10
MYO6_MOUSE	Q64331	147685.51	1	1.3	2	2	2	2.5	7	1	1.3	1	1.3	2	2.6	4	1	1.3	2	1.8	3	3.8	7	Myosin-VI
TPM3_RAT	Q63610	29216.78	3	16.5	2	12.5	2	12.5	12	3	16.5	2	12.5	2	12.5	19	3	16.5	1	6.9	3	16.5	14	Tropomyin alpha-3 chain
VIME_RAT	P31000	53752.1	1	1.9	1	1.9	2	2.6	31	2	2.6	2	2.6	2	2.6	45	2	2.6	2	4.1	2	2.6	35	Vimentin
OPA1_RAT	Q2TA68	111750.7	8	10.5	19	24.1	19	25	154	12	14.1	18	21.1	13	17.1	124	12	15.4	16	18.3	13	17	115	Dynamin-like 120 kDa protein
OPA3_MOUSE	Q505D7	20382.43	2	10.6	2	10.6	0	0	8	0	0	1	6.7	1	6.7	4	1	6.7	0	0	0	0	1	Optic atrophy 3 protein homolog
UNCHARACTERIZED/NOVEL																								
PRIC2_MOUSE	Q80Y24	97773.35	1	1.5	1	1.5	1	1.8	5	0	0	1	1.5	1	1.5	6	1	1.5	1	1.5	0	0	4	Prickle-like protein 2
CHCH6_MOUSE	Q91VN4	30179.41	1	5.5	1	5.5	1	5.5	21	1	5.5	2	12.8	1	5.5	23	0	0	1	5.5	1	5.5	19	Coiled-coil-helix-coiled-coil-helix domain-containing protein 6
BCAS1_RAT	Q3ZB98	58816.51	2	5.8	1	4.3	1	4.3	7	0	0	2	5.8	2	5.8	5	2	5.8	3	10.3	1	4.3	10	Breast carcinoma-amplified sequence 1 homolog (Fragment)
CHCH3_MOUSE	Q9CRB9	26546.3	2	10.6	3	11	3	11	64	3	11	4	17.2	4	17.2	54	3	11	2	10.6	2	10.6	53	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3
SGIP1_MOUSE	Q8VD37	86465.95	0	0	1	2.7	0	0	3	3	7.1	2	5.6	2	5.6	9	3	6	0	0	1	2.7	4	SH3-containing GRB2-like protein 3-interacting protein 1
IGSF8_MOUSE	Q8R366	65597.52	1	2.3	1	2.3	2	3.9	9	1	2.3	1	2.3	1	2.3	23	2	3.9	1	2.3	1	2.3	32	Immunoglobulin surfamily member 8
LANC2_MOUSE	Q9JJK2	51676.76	1	4	1	4	1	4	5	1	4	1	4	1	4	6	1	4	0	0	1	4	3	LanC-like protein 2
EFR3B_MOUSE	Q6ZQ18	93397.23	0	0	1	1.6	1	1.6	2	1	1.6	2	3.4	1	1.6	4	1	1.6	1	1.6	1	1.6	3	Protein EFR3 homolog B
F173B_MOUSE	Q9D123	27494.14	1	7.3	1	7.3	0	0	2	0	0	1	7.3	1	7.3	4	0	0	0	0	0	0	0	Protein FAM173B F
LANC1_RAT	Q9QX69	46052.92	1	2	1	2	1	2	8	1	2	1	2	1	2	5	1	2	1	2	1	2	6	LanC-like protein 1
C109A_MOUSE	Q3UMR5	40126.88	0	0	1	2.8	0	0	1	2	6.3	1	3.4	1	3.4	11	0	0	1	2.8	0	0	1	Coiled-coil domain-containing protein
PRR7_RAT	P0C6T3	31308.96	1	3.6	1	3.6	1	3.6	20	1	3.6	1	3.6	1	3.6	13	1	3.6	1	3.6	1	3.6	13	Proline-rich protein 7
C2C2L_MOUSE	Q80X80	76590.49	0	0	0	0	1	1.4	4	1	1.4	1	1.4	1	1.4	11	0	0	0	0	0	0	0	C2 domain-containing protein 2-like
KCD12_MOUSE	Q6WVG3	36154.88	6	24.2	8	28.4	6	17.7	95	6	22.3	8	28.4	9	32.7	99	6	19.6	7	24.5	5	15.6	80	BTB/POZ domain-containing protein KCTD12
GP158_MOUSE	Q8C419	135823.47	1	0.8	1	0.8	1	0.8	11	1	0.8	2	1.6	1	0.8	11	1	0.8	1	0.8	1	0.8	7	Probable G-protein coupled receptor
DPP10_RAT	Q6Q629	91446.61	1	1.1	1	1.1	0	0	3	0	0	1	1.1	0	0	1	1	1.1	1	1.1	1	1.1	3	Inactive dipeptidyl peptidase 10
OPALI_HUMAN	Q96PE5	15787.03	1	5.7	1	5.7	1	5.7	11	1	5.7	1	5.7	1	5.7	20	1	5.7	1	5.7	1	5.7	11	Opalin
CI046_MOUSE	Q9D3P8	17249.93	0	0	1	6.8	1	6.8	3	0	0	1	6.8	1	6.8	4	1	6.8	1	6.8	1	6.8	5	Transmembrane protein C9orf46 homolog
F126B_MOUSE	Q8C729	58949.06	0	0	1	2.1	1	2.1	4	0	0	1	2.1	1	2.1	3	1	2.1	0	0	1	2.1	4	Protein FAM126B
FETA_BOVIN	Q3SZ57	70367.81	1	1.1	1	1.1	1	1.1	4	1	1.1	1	1.1	0	0	2	1	1.1	0	0	0	0	1	Alpha-fetoprotein
SPA2L_MOUSE	Q8BNN1	47426.64	1	4.5	1	4.5	1	4.5	12	1	4.5	1	4.5	1	4.5	13	1	4.5	1	4.5	1	4.5	12	Spermatogenesis-associated protein 2-like protein
U626B_MOUSE	Q3UH99	59016.68	2	5.7	4	11.2	2	6.7	15	1	2.3	4	14.1	3	9.1	10	3	9	4	11.4	3	9	13	UPF0626 protein B
ARMC1_MOUSE	Q9D7A8	31487.85	0	0	0	0	1	7.4	2	0	0	1	7.4	1	7.4	4	1	7.4	0	0	0	0	1	Armadillo repeat-containing protein 1
ARM10_RAT	B1WBW4	33742.81	1	3.6	2	8.8	1	3.6	9	1	3.6	1	3.6	2	8.8	5	0	0	2	8.8	0	0	6	Aadillo repeat-containing protein 10
RUFY3_RAT	Q5FVJ0	53216.25	1	2.3	1	2.3	1	2.3	7	1	2.3	1	2.3	1	2.3	7	1	2.3	1	2.3	1	2.3	5	Protein RUFY3
RMD3_RAT	Q66H15	52565.1	0	0	1	3.4	2	5.1	4	0	0	1	3.4	0	0	1	0	0	3	8.1	1	3.4	6	Regulator of microtubule dynamics protein 3
SNPH_MOUSE	Q80U23	57949.65	1	2.5	3	4.5	1	2.7	8	1	2.7	3	7.4	2	4.5	8	1	2.7	3	8	2	7.4	12	Syntaphilin
EFR3A_HUMAN	Q14156	93777.23	0	0	2	3.3	2	3.3	5	1	1.6	1	1.6	1	1.6	3	2	3.7	1	1.6	1	1.6	4	Protein EFR3 homolog A
U626A_MOUSE	Q8C3Q5	58867.63	2	5	2	4.1	2	3.4	10	1	2.2	1	2.2	2	3.4	5	2	4.1	1	2	2	3.4	18	UPF0626 protein A
T11L1_MOUSE	Q8BTG3	56695.46	0	0	1	2	1	2	3	1	2	1	2	1	2	10	1	2	1	2	0	0	4	T-complex protein 11-like protein 1
ROGDI_RAT	Q4V7D2	32412.8	0	0	1	6.6	0	0	1	0	0	2	17.1	1	7.3	6	0	0	2	10.1	0	0	2	Protein rogdi homolog
FIS1_RAT	P84817	16984.04	0	0	1	7.2	1	7.2	2	1	7.2	1	7.2	1	7.2	8	0	0	1	7.2	0	0	11	Mitochondrial fission 1 protein
OCAD1_RAT	Q5XIG4	27869.88	0	0	1	10.9	1	10.9	5	0	0	1	10.9	1	10.9	5	1	10.9	0	0	1	10.9	2	OCIA domain-containing protein 1
LY6H_MOUSE	Q9WUC3	15286.38	1	9.4	2	16.5	1	9.4	48	1	9.4	1	9.4	1	9.4	37	1	9.4	1	9.4	1	9.4	42	Lymphocyte antigen 6H
K1239_MOUSE	Q6P5U7	200025.34	0	0	0	0	2	1.7	2	2	1.7	1	0.6	1	0.6	5	1	0.6	2	1.4	0	0	6	Leucine-rich repeat and WD repeat-containing protein KIAA1239
SHLB2_RAT	Q5PPJ9	45109.94	1	2.7	1	2.7	1	2.7	9	3	9.9	2	5.7	1	2.7	14	1	2.7	1	2.7	1	2.7	4	Endophilin-B2 Sh3glb2 2 2
SKT_MOUSE	A2AQ25	213874.3	2	1.3	1	0.8	1	0.8	9	1	0.8	2	1.5	1	0.8	10	1	0.8	2	1.4	0	0	6	Sickle tail protein
FA54B_RAT	Q5XII9	32393.44	1	4.1	1	4.1	1	4.1	6	1	4.8	2	9.9	1	4.1	6	0	0	1	4.1	1	4.1	3	Protein FAM54B
TMM11_RAT	B0BN86	21978.09	1	8.3	1	8.3	1	8.3	8	1	8.3	1	8.3	1	8.3	7	1	8.3	1	8.3	1	8.3	6	Transmembrane protein
MFF_MOUSE	Q6PCP5	32968.05	2	8.2	2	8.2	1	3.8	29	2	8.2	2	8.2	3	8.6	18	2	8.2	2	8.2	3	8.6	29	Mitochondrial fission factor
FA81A_MOUSE	Q3UXZ6	42105.01	0	0	1	3.3	1	4.4	2	1	4.4	1	4.4	1	4.4	3	0	0	0	0	1	3.3	1	Protein FAM81A
TMM33_RAT	Q9Z142	28301.94	0	0	1	4.9	0	0	2	0	0	1	4.9	0	0	2	0	0	1	4.9	1	4.9	3	Transmembrane protein 33
OTHER CELL ORIGIN																								
GFAP_RAT	P47819	49983.61	14	36.5	18	43.5	18	44.9	408	15	43	17	43.5	17	43.5	329	17	43.5	19	44.9	17	43.5	372	Glial fibrillary acidic protein
HBA_RAT	P01946	15489.83	1	8.5	1	8.5	1	8.5	27	1	8.5	2	23.9	1	8.5	18	1	8.5	1	8.5	1	8.5	14	Hemoglobin subunit alpha-1/2
HBB1_RAT	P02091	16083.29	1	6.8	1	6.8	2	15.6	33	1	6.8	2	15.6	2	15.6	14	2	15.6	2	15.6	2	15.6	20	Hemoglobin subunit beta-1
KIF2A_RAT	Q9WV63	80390.83	11	12.8	11	10.9	11	12.5	413	8	11.1	8	8.4	5	9.8	225	7	10.9	3	9.5	4	10.9	180	Kinesin-like protein

Protein Name	Uniprot accesion numbers	Lithium 1 (Sum Intensity)	Lithium 2 (Sum Intensity)	Lithium 3 (Sum Intensity)	Average Total intensity (Lithium)	Control 1 (Sum Intensity)	Control 2 (Sum Intensity)	Control 3 (Sum Intensity)	Average Total Intensity (Control)	Log2 fold change Lithium/ Control	Effect size Lithium/ Control	t -test Lithium / control	p-value Lithium / control
QCR1_RAT	Q68FY0	1.28E+08	1.31E+08	1.02E+08	1.21E+08	5.93E+07	8.16E+07	6.58E+07	6.89E+07	0.8	1.67	0.01	0.99
HBA_RAT	P01946	9.02E+05	1.19E+05	7.18E+05	5.80E+05	3.19E+06	1.78E+06	2.41E+06	2.46E+06	-2.1	-1.63	0.02	0.99
MPCP_MOUSE	Q8VEM8	1.93E+07	2.94E+07	2.20E+07	2.36E+07	3.67E+07	3.44E+07	3.41E+07	3.51E+07	-0.6	-1.61	0.02	0.98
PP2BA_RAT	P63329	9.60E+07	6.67E+07	6.23E+07	7.50E+07	1.28E+08	1.08E+08	1.36E+08	1.24E+08	-0.7	-1.60	0.02	0.98
TPIS_RAT	P48500	3.18E+07	1.73E+08	1.20E+08	1.08E+08	2.44E+08	2.91E+08	3.53E+08	2.96E+08	-1.5	-1.60	0.02	0.98
VA0D1_MOUSE	P51863	4.93E+08	6.42E+08	3.69E+08	5.01E+08	2.38E+08	1.13E+08	2.22E+08	1.91E+08	1.4	1.59	0.02	0.98
DYHC1_RAT	P38650	1.14E+08	1.18E+08	8.59E+07	1.06E+08	4.45E+07	8.00E+07	2.82E+07	5.09E+07	1.1	1.52	0.04	0.97
IGSF8_MOUSE	Q8R366	5.34E+06	1.24E+07	1.19E+07	9.88E+06	2.89E+05	7.92E+05	4.71E+06	1.93E+06	2.4	1.52	0.04	0.97
CCG8_RAT	Q8VHW5	6.06E+06	3.65E+06	6.92E+06	5.54E+06	1.16E+07	1.38E+07	2.31E+07	1.61E+07	-1.5	-1.50	0.04	0.97
PRRT1_RAT	Q6MG82	2.07E+07	1.88E+07	1.63E+07	1.86E+07	2.73E+07	2.58E+07	3.86E+07	3.05E+07	-0.7	-1.49	0.05	0.96
PDE2A_RAT	Q01062	1.31E+08	2.17E+08	1.13E+08	1.54E+08	6.34E+06	8.74E+07	3.73E+07	4.37E+07	1.8	1.48	0.05	0.96
ANS1B_RAT	P0C6S7	1.95E+08	1.74E+08	1.02E+08	1.57E+08	2.98E+08	2.06E+08	2.61E+08	2.55E+08	-0.7	-1.43	0.06	0.95
E41L3_MOUSE	Q9WV92	1.80E+07	2.64E+07	8.96E+06	1.78E+07	3.34E+06	3.17E+06	7.50E+06	4.67E+06	1.9	1.43	0.07	0.95
ANK3_HUMAN	Q12955	1.88E+08	1.29E+08	1.67E+08	1.61E+08	4.90E+07	1.26E+08	1.07E+08	9.40E+07	0.8	1.39	0.08	0.94
CAMKV_RAT	Q63092	1.11E+07	1.30E+07	1.54E+07	1.31E+07	2.44E+07	1.55E+07	2.98E+07	2.32E+07	-0.8	-1.38	0.08	0.94
GRM3_RAT	P31422	1.67E+07	9.34E+06	1.53E+07	1.38E+07	3.35E+06	9.50E+06	8.53E+06	7.13E+06	1.0	1.36	0.09	0.93
RGRF1_RAT	P28818	1.85E+05	7.91E+05	8.19E+05	5.98E+05	1.92E+06	1.85E+06	8.00E+05	1.52E+06	-1.3	-1.36	0.09	0.93
1433E_RAT	P62260	2.45E+08	2.49E+08	7.76E+07	1.91E+08	2.80E+07	8.30E+07	6.94E+07	6.01E+07	1.7	1.36	0.09	0.93
1433T_RAT	P68255	2.24E+08	2.41E+08	5.14E+07	1.72E+08	1.89E+07	4.54E+07	5.89E+07	4.11E+07	2.1	1.33	0.10	0.92
SC6A1_RAT	P23978	2.92E+06	2.91E+06	4.91E+06	3.58E+06	4.45E+06	5.48E+06	5.42E+06	5.12E+06	-0.5	-1.31	0.11	0.92
1433Z_RAT	P63102	2.94E+08	3.32E+08	1.11E+08	2.46E+08	3.60E+07	1.12E+08	1.30E+08	9.26E+07	1.4	1.31	0.11	0.92
CTNA2_MOUSE	Q61301	3.24E+07	2.00E+07	1.81E+07	2.35E+07	2.58E+07	6.73E+07	7.29E+07	5.53E+07	-1.2	-1.31	0.11	0.92
CSKI1_RAT	Q8VHK2	4.22E+06	9.84E+06	1.16E+07	8.56E+06	1.12E+07	1.48E+07	1.94E+07	1.52E+07	-0.8	-1.30	0.11	0.92
1433F_RAT	P68511	2.29E+08	2.48E+08	5.28E+07	1.77E+08	2.04E+07	5.77E+07	7.27E+07	5.03E+07	1.8	1.28	0.12	0.91
DLG1_RAT	Q62696	4.27E+06	6.71E+06	1.15E+06	4.04E+06	1.17E+07	7.68E+06	2.54E+07	1.49E+07	-1.9	-1.27	0.12	0.91
RIMB2_RAT	Q9JIR1	2.34E+07	3.13E+07	2.15E+07	2.54E+07	3.03E+05	2.39E+07	9.22E+06	1.11E+07	1.2	1.26	0.13	0.90
CD59_RAT	P27274	5.96E+07	9.09E+07	8.89E+07	7.98E+07	8.53E+07	1.20E+08	1.24E+08	1.10E+08	-0.5	-1.25	0.13	0.90
RASK_RAT	P08644	2.36E+07	8.13E+06	1.46E+07	1.54E+07	4.01E+06	9.93E+06	6.33E+06	6.76E+06	1.2	1.22	0.15	0.89
TMOD2_RAT	P70566	7.18E+07	5.73E+07	9.54E+07	7.48E+07	2.31E+07	6.33E+07	5.04E+07	4.56E+07	0.7	1.22	0.15	0.89
1433G_RAT	P61983	2.90E+08	2.98E+08	1.18E+08	2.35E+08	9.62E+07	1.34E+08	1.48E+08	1.26E+08	0.9	1.22	0.15	0.89
DLG2_RAT	Q63622	9.66E+07	1.30E+08	9.60E+07	1.08E+08	1.20E+08	1.34E+08	1.77E+08	1.44E+08	-0.4	-1.20	0.15	0.88
ATPB_RAT	P10719	4.33E+07	1.28E+08	7.81E+07	8.31E+07	2.02E+07	4.54E+07	5.05E+07	3.87E+07	1.1	1.18	0.17	0.88
CISD1_RAT	B0K020	1.85E+07	2.61E+07	2.33E+07	2.26E+07	2.42E+07	5.20E+07	9.21E+07	5.61E+07	-1.3	-1.18	0.17	0.88
2AAA_MOUSE	Q76MZ3	4.90E+07	2.92E+07	1.83E+07	3.22E+07	2.31E+07	1.37E+08	1.13E+08	9.10E+07	-1.5	-1.16	0.18	0.87
CNKR2_RAT	Q9Z1T4	2.46E+06	1.69E+07	8.48E+06	9.28E+06	1.22E+07	1.81E+07	2.33E+07	1.79E+07	-0.9	-1.15	0.18	0.87
H2B1N_BOVIN	Q32L48	4.18E+07	9.33E+07	8.20E+05	4.53E+07	2.38E+06	6.16E+06	1.63E+06	3.39E+06	3.7	1.13	0.19	0.86
RHOG_MOUSE	P84096	1.45E+06	3.83E+05	2.14E+05	6.83E+05	2.95E+06	4.86E+05	5.01E+06	2.82E+06	-2.0	-1.12	0.19	0.86
NEB2_RAT	O35274	2.27E+06	3.44E+06	3.35E+06	3.02E+06	3.50E+07	7.53E+06	8.41E+06	1.70E+07	-2.5	-1.12	0.20	0.85
PCBP1_MOUSE	P60335	3.99E+07	6.47E+07	3.22E+07	4.56E+07	2.02E+07	2.50E+07	3.91E+07	2.81E+07	0.7	1.12	0.20	0.85
MYO6_MOUSE	Q64331	1.13E+05	6.75E+06	1.11E+07	5.99E+06	5.79E+05	3.82E+07	3.94E+07	2.61E+07	-2.1	-1.11	0.20	0.85
PGCB_RAT	P55068	7.02E+06	2.33E+06	4.31E+06	4.55E+06	3.89E+06	9.92E+06	1.52E+07	9.66E+06	-1.1	-1.07	0.22	0.84

PKP4_MOUSE	Q68FH0	1.29E+07	1.60E+07	2.03E+07	1.64E+07	1.82E+07	1.95E+07	2.09E+07	1.96E+07	-0.3	-1.03	0.24	0.82
ARC1A_RAT	Q99PD4	4.95E+07	5.00E+07	7.38E+07	5.78E+07	5.17E+06	2.14E+07	6.56E+07	3.07E+07	0.9	1.03	0.24	0.82
SUCB1_MOUSE	Q9Z2I9	1.62E+07	1.28E+07	1.35E+07	1.41E+07	1.92E+06	8.20E+06	1.56E+07	8.58E+06	0.7	1.03	0.25	0.82
GRM2_RAT	P31421	1.75E+07	8.96E+06	9.38E+06	1.19E+07	2.34E+06	1.03E+07	8.49E+06	7.03E+06	0.8	1.02	0.25	0.81
SHLB2_RAT	Q5PPJ9	3.43E+05	7.93E+05	3.36E+05	4.91E+05	3.19E+05	3.03E+05	2.39E+05	2.87E+05	0.8	1.01	0.25	0.81
SHAN2_RAT	Q9QX74	4.72E+07	7.44E+07	4.10E+07	5.42E+07	4.53E+07	9.50E+07	1.57E+08	9.90E+07	-0.9	-1.01	0.26	0.81
NAC2_RAT	P48768	6.56E+06	6.98E+06	4.63E+06	6.06E+06	6.45E+06	8.82E+06	6.93E+06	7.40E+06	-0.3	-1.00	0.26	0.81
MAP2_RAT	P15146	8.45E+07	1.98E+07	1.25E+07	3.89E+07	8.78E+06	1.18E+07	7.90E+06	9.48E+06	2.0	0.99	0.27	0.80
UBIQ_RAT	P62989	8.38E+07	6.11E+07	6.01E+07	6.83E+07	3.57E+07	6.10E+07	6.40E+07	5.36E+07	0.4	0.97	0.28	0.79
HOME1_RAT	Q9Z214	9.16E+07	9.95E+07	8.74E+07	9.29E+07	7.26E+07	1.45E+08	1.89E+08	1.35E+08	-0.5	-0.97	0.28	0.79
GEPH_HUMAN	Q9NQX3	2.92E+07	1.95E+08	3.27E+07	8.56E+07	9.85E+06	2.57E+07	1.65E+07	1.73E+07	2.3	0.96	0.28	0.79
EF1A2_RAT	P62632	1.37E+08	9.85E+07	1.39E+08	1.25E+08	1.61E+08	1.64E+08	1.21E+08	1.49E+08	-0.3	-0.96	0.28	0.79
PTPRS_RAT	Q64605	4.93E+07	1.55E+07	4.82E+07	3.77E+07	1.33E+07	3.81E+07	9.86E+06	2.04E+07	0.9	0.95	0.29	0.79
LANC1_RAT	Q9QX69	2.77E+06	1.62E+06	4.22E+05	1.60E+06	3.78E+06	1.62E+06	2.77E+06	2.72E+06	-0.8	-0.95	0.29	0.79
SYNJ1_RAT	Q62910	4.58E+05	3.75E+06	1.35E+06	1.85E+06	1.56E+07	3.15E+06	2.58E+06	7.09E+06	-1.9	-0.94	0.29	0.78
MYO1D_RAT	Q63357	6.17E+06	3.19E+05	1.19E+05	2.20E+06	3.23E+06	3.81E+06	1.15E+07	6.19E+06	-1.5	-0.94	0.30	0.78
MAP4_RAT	Q5M7W5	4.49E+07	4.41E+07	5.15E+07	4.68E+07	4.31E+07	6.41E+07	5.68E+07	5.47E+07	-0.2	-0.94	0.30	0.78
U626A_MOUSE	Q8C3Q5	7.13E+06	5.24E+06	1.09E+07	7.77E+06	5.53E+06	2.31E+07	1.37E+07	1.41E+07	-0.9	-0.93	0.30	0.78
DLGP3_MOUSE	Q6PFD5	1.63E+08	6.81E+07	3.74E+07	8.94E+07	1.90E+07	6.94E+07	3.57E+07	4.14E+07	1.1	0.93	0.30	0.78
VATB2_RAT	P62815	1.01E+09	1.67E+09	7.16E+08	1.13E+09	7.74E+08	6.85E+08	9.12E+08	7.91E+08	0.5	0.93	0.30	0.78
RP3A_RAT	P47709	1.39E+07	3.50E+06	5.99E+06	7.81E+06	3.84E+07	9.32E+06	1.08E+07	1.95E+07	-1.3	-0.92	0.31	0.77
NFM_RAT	P12839	3.26E+08	1.83E+08	2.27E+08	2.45E+08	1.96E+08	1.97E+08	1.95E+08	1.96E+08	0.3	0.92	0.31	0.77
DYN1_RAT	P21575	5.69E+08	4.23E+08	2.55E+08	4.16E+08	1.54E+08	4.02E+08	2.90E+08	2.82E+08	0.6	0.91	0.31	0.77
EAA1_RAT	P24942	4.44E+06	4.42E+05	2.82E+06	2.57E+06	8.63E+06	5.36E+07	1.35E+06	2.12E+07	-3.0	-0.90	0.32	0.77
ECHB_RAT	Q60587	1.86E+07	1.67E+07	1.48E+07	1.67E+07	1.09E+07	3.19E+07	3.05E+07	2.44E+07	-0.5	-0.90	0.32	0.76
SNIP_RAT	Q9QXY2	5.37E+08	9.64E+08	2.90E+08	5.97E+08	1.72E+08	4.71E+08	4.19E+08	3.54E+08	0.8	0.89	0.33	0.76
MINK1_MOUSE	Q9JM52	5.68E+05	2.45E+07	1.53E+07	1.35E+07	4.56E+06	4.54E+07	3.86E+07	2.95E+07	-1.1	-0.89	0.33	0.76
NRN1_RAT	O08957	5.86E+06	3.78E+07	2.79E+07	2.39E+07	3.36E+07	4.91E+07	2.71E+07	3.66E+07	-0.6	-0.88	0.33	0.76
ERC2_RAT	Q8K3M6	1.99E+08	1.63E+08	1.06E+08	1.56E+08	1.14E+08	3.47E+08	2.43E+08	2.35E+08	-0.6	-0.87	0.34	0.75
ADT1_MOUSE	P48962	3.47E+08	4.45E+08	1.61E+08	3.18E+08	2.89E+08	5.63E+08	4.71E+08	4.41E+08	-0.5	-0.86	0.35	0.75
AT1A1_RAT	P06685	4.49E+08	6.92E+08	4.22E+08	5.21E+08	1.95E+08	3.74E+08	5.61E+08	3.76E+08	0.5	0.86	0.35	0.75
DYL2_RAT	Q78P75	5.26E+07	2.82E+07	2.45E+07	3.51E+07	3.88E+05	2.20E+08	8.96E+07	1.03E+08	-1.6	-0.85	0.35	0.74
NLGN2_RAT	Q62888	4.30E+06	1.26E+06	2.71E+06	2.76E+06	1.19E+06	2.02E+06	2.15E+06	1.79E+06	0.6	0.85	0.35	0.74
SUCA_RAT	P13086	8.64E+05	1.66E+06	1.71E+06	1.41E+06	5.11E+05	2.75E+06	1.11E+07	4.79E+06	-1.8	-0.84	0.36	0.74
PRDX1_RAT	Q63716	9.69E+07	1.06E+07	3.52E+06	3.70E+07	2.07E+06	1.00E+07	4.80E+06	5.63E+06	2.7	0.84	0.36	0.74
ARP3_RAT	Q4V7C7	4.31E+07	2.68E+07	9.99E+06	2.66E+07	6.90E+06	2.08E+07	1.97E+07	1.58E+07	0.8	0.83	0.36	0.74
LSAMP_RAT	Q62813	1.46E+08	9.29E+07	1.27E+08	1.22E+08	9.69E+07	1.95E+08	1.77E+08	1.56E+08	-0.4	-0.83	0.36	0.73
ODPB_RAT	P49432	2.77E+07	3.45E+06	1.67E+07	1.60E+07	2.48E+06	9.99E+06	1.23E+07	8.25E+06	1.0	0.83	0.37	0.73
ODPB_RAT	P49432	2.77E+07	3.45E+06	1.67E+07	1.60E+07	2.48E+06	9.99E+06	1.23E+07	8.25E+06	1.0	0.83	0.37	0.73
CAPZB_RAT	Q5XI32	1.24E+08	6.26E+07	8.04E+07	8.90E+07	4.44E+07	6.02E+07	9.25E+07	6.57E+07	0.4	0.82	0.37	0.73
AT2B3_RAT	Q64568	4.31E+07	5.61E+07	1.88E+07	3.93E+07	3.12E+07	3.06E+07	2.24E+07	2.81E+07	0.5	0.82	0.37	0.73
MYH9_RAT	Q62812	4.40E+06	2.02E+07	3.84E+07	2.10E+07	5.46E+06	7.73E+06	1.82E+07	1.05E+07	1.0	0.81	0.38	0.73
KIF5C_MOUSE	P28738	8.67E+07	2.40E+06	1.43E+06	3.02E+07	3.60E+06	1.24E+06	1.65E+06	2.16E+06	3.8	0.81	0.38	0.72
ABLM2_RAT	Q6KC51	9.65E+05	2.37E+06	3.25E+06	2.20E+06	1.77E+06	3.70E+06	3.95E+06	3.14E+06	-0.5	-0.81	0.38	0.72
AT2B2_RAT	P11506	4.38E+07	5.61E+07	1.94E+07	3.98E+07	3.18E+07	3.13E+07	2.33E+07	2.88E+07	0.5	0.81	0.38	0.72

COR1C_MOUSE	Q9WUM4	4.03E+07	7.81E+06	1.16E+07	1.99E+07	2.29E+07	2.75E+07	4.58E+07	3.21E+07	-0.7	-0.80	0.38	0.72
AP2B1_RAT	P62944	3.98E+08	1.11E+08	7.93E+07	1.96E+08	4.22E+07	1.17E+08	1.22E+08	9.37E+07	1.1	0.80	0.38	0.72
LIPA3_RAT	Q91Z79	1.66E+08	1.26E+07	7.46E+07	8.46E+07	5.52E+06	5.52E+07	5.55E+07	3.87E+07	1.1	0.79	0.39	0.72
CHCH3_MOUSE	Q9CRB9	8.71E+07	5.90E+07	6.15E+07	6.92E+07	4.94E+07	1.12E+08	1.11E+08	9.08E+07	-0.4	-0.79	0.39	0.71
SEPT7_RAT	Q9WVC0	4.74E+08	1.53E+08	1.35E+08	2.54E+08	9.55E+07	1.64E+08	1.80E+08	1.46E+08	0.8	0.78	0.39	0.71
DLG4_RAT	P31016	5.89E+08	1.81E+08	1.72E+08	3.14E+08	1.72E+08	7.62E+08	6.38E+08	5.24E+08	-0.7	-0.77	0.41	0.71
DJC11_MOUSE	Q5U458	1.20E+07	1.62E+07	2.44E+06	1.02E+07	6.04E+06	1.73E+07	2.79E+07	1.71E+07	-0.7	-0.76	0.41	0.70
NFL_RAT	P19527	5.40E+08	4.16E+08	4.12E+08	4.56E+08	3.79E+08	3.39E+08	4.85E+08	4.01E+08	0.2	0.76	0.41	0.70
ADA22_MOUSE	Q9R1V6	4.87E+06	2.25E+06	2.68E+06	3.27E+06	3.96E+06	9.65E+06	2.54E+06	5.39E+06	-0.7	-0.76	0.41	0.70
BEGIN_RAT	O88881	1.76E+08	6.78E+06	2.53E+06	6.17E+07	4.16E+06	1.59E+07	8.29E+06	9.45E+06	2.7	0.76	0.41	0.70
OPCM_RAT	P32736	4.13E+07	5.01E+07	5.04E+07	4.73E+07	7.52E+07	4.44E+07	4.95E+07	5.64E+07	-0.3	-0.76	0.41	0.70
ACSL6_RAT	P33124	4.50E+06	1.15E+05	2.34E+06	2.32E+06	4.83E+06	1.19E+07	1.69E+05	5.63E+06	-1.3	-0.76	0.41	0.70
VIME_RAT	P31000	7.82E+07	1.40E+08	1.15E+08	1.11E+08	1.31E+08	6.42E+07	5.97E+07	8.49E+07	0.4	0.75	0.42	0.70
ICAM5_MOUSE	Q60625	2.47E+06	7.58E+06	2.60E+07	1.20E+07	3.97E+06	5.53E+06	7.20E+06	5.57E+06	1.1	0.75	0.42	0.70
EFTU_RAT	P85834	6.83E+07	9.84E+07	6.42E+06	5.77E+07	5.48E+07	8.87E+07	1.16E+08	8.64E+07	-0.6	-0.74	0.43	0.69
EF1A1_RAT	P62630	1.51E+08	1.12E+08	1.43E+08	1.35E+08	1.61E+08	1.64E+08	1.26E+08	1.50E+08	-0.2	-0.74	0.43	0.69
GRM5_RAT	P31424	3.91E+06	1.18E+07	2.71E+05	5.32E+06	4.17E+06	1.49E+07	9.07E+06	9.36E+06	-0.8	-0.74	0.43	0.69
BAIP2_RAT	Q6GMN2	4.11E+08	6.67E+08	2.62E+08	4.47E+08	3.42E+08	3.30E+08	3.57E+08	3.43E+08	0.4	0.73	0.43	0.69
ABLM1_MOUSE	Q8K4G5	7.37E+06	4.90E+06	3.39E+06	5.22E+06	4.10E+05	5.52E+06	5.72E+07	2.10E+07	-2.0	-0.73	0.43	0.69
CLAP2_RAT	Q99JD4	7.00E+06	1.01E+08	1.41E+08	8.29E+07	1.40E+07	9.67E+07	1.24E+07	4.10E+07	1.0	0.72	0.44	0.68
S12A5_RAT	Q63633	6.54E+06	2.20E+06	2.12E+06	3.62E+06	1.67E+06	2.93E+06	2.38E+06	2.33E+06	0.6	0.72	0.44	0.68
COR2B_MOUSE	Q8BH44	1.39E+07	3.36E+06	2.84E+06	6.70E+06	7.28E+05	5.12E+06	4.43E+06	3.42E+06	1.0	0.71	0.44	0.68
IP3KA_RAT	P17105	3.16E+06	3.65E+07	2.57E+07	2.18E+07	9.68E+06	1.02E+07	1.94E+07	1.31E+07	0.7	0.71	0.45	0.68
MFF_MOUSE	Q6PCP5	5.53E+07	1.19E+07	1.11E+07	2.61E+07	5.33E+06	2.09E+07	1.36E+07	1.33E+07	1.0	0.71	0.45	0.68
AT1B1_RAT	P07340	1.77E+08	2.49E+08	1.52E+08	1.93E+08	8.01E+07	2.05E+08	1.75E+08	1.53E+08	0.3	0.70	0.45	0.68
PRR7_RAT	P0C6T3	4.02E+06	3.86E+06	3.65E+06	3.84E+06	2.44E+06	6.03E+06	6.11E+06	4.86E+06	-0.3	-0.70	0.45	0.68
ENPP6_RAT	B0BND0	1.48E+08	4.27E+07	2.56E+07	7.22E+07	1.25E+07	4.88E+07	5.37E+07	3.84E+07	0.9	0.70	0.45	0.68
ODP2_RAT	P08461	1.28E+07	1.39E+07	1.25E+07	1.31E+07	4.02E+06	1.89E+07	4.11E+06	9.00E+06	0.5	0.70	0.46	0.67
GPDM_RAT	P35571	7.49E+07	2.18E+07	6.90E+06	3.45E+07	2.74E+05	2.93E+07	1.90E+07	1.62E+07	1.1	0.69	0.46	0.67
SYN1_RAT	P09951	1.79E+09	1.32E+09	1.24E+09	1.45E+09	1.30E+09	1.65E+09	2.10E+09	1.68E+09	-0.2	-0.69	0.46	0.67
IMMT_MOUSE	Q8CAQ8	5.83E+08	2.11E+08	2.89E+08	3.61E+08	3.07E+08	5.25E+08	6.02E+08	4.78E+08	-0.4	-0.69	0.46	0.67
LGI1_RAT	Q8K4Y5	9.42E+07	6.86E+07	5.54E+07	7.27E+07	3.81E+07	7.29E+07	6.89E+07	6.00E+07	0.3	0.68	0.47	0.67
MACF1_MOUSE	Q9QXZ0	3.49E+06	4.64E+06	5.35E+06	4.49E+06	2.82E+06	1.23E+07	5.33E+06	6.80E+06	-0.6	-0.68	0.47	0.67
AT1A3_RAT	P06687	6.26E+08	8.59E+08	6.57E+08	7.14E+08	3.87E+08	6.92E+08	7.43E+08	6.08E+08	0.2	0.68	0.47	0.66
NDUV2_RAT	P19234	1.29E+07	5.15E+07	9.94E+06	2.48E+07	2.98E+06	2.10E+07	1.59E+07	1.33E+07	0.9	0.68	0.47	0.66
SEPT6_MOUSE	Q9R1T4	6.42E+07	1.32E+07	4.72E+07	4.15E+07	7.14E+06	1.67E+07	5.25E+07	2.54E+07	0.7	0.67	0.47	0.66
AKAP5_RAT	P24587	7.05E+06	3.48E+06	1.51E+07	8.54E+06	9.68E+06	1.16E+07	1.27E+07	1.13E+07	-0.4	-0.67	0.47	0.66
LRFN6_MOUSE	Q68FM6	9.42E+06	5.19E+06	3.14E+07	1.53E+07	3.98E+06	1.19E+07	1.00E+07	8.65E+06	0.8	0.67	0.47	0.66
VATE1_RAT	Q6PCU2	7.72E+07	1.58E+08	7.74E+07	1.04E+08	3.47E+07	1.14E+08	8.04E+07	7.63E+07	0.4	0.67	0.47	0.66
H2A1_RAT	P02262	2.47E+08	2.79E+08	2.13E+08	2.46E+08	1.39E+08	2.70E+08	2.28E+08	2.12E+08	0.2	0.67	0.48	0.66
ACTN1_RAT	Q9Z1P2	2.72E+07	4.74E+07	5.30E+07	4.25E+07	2.77E+07	1.19E+08	4.78E+07	6.49E+07	-0.6	-0.66	0.48	0.66
NCDN_RAT	O35095	1.62E+07	3.64E+06	4.11E+06	7.99E+06	9.15E+05	7.42E+06	5.30E+06	4.54E+06	0.8	0.65	0.49	0.65
VATA_MOUSE	P50516	1.85E+08	3.38E+08	1.55E+08	2.26E+08	8.63E+07	2.51E+08	1.72E+08	1.70E+08	0.4	0.65	0.49	0.65
ADDB_RAT	Q05764	3.96E+07	3.24E+07	2.21E+07	3.14E+07	7.51E+06	6.16E+07	7.10E+07	4.67E+07	-0.6	-0.64	0.49	0.65
GBB1_RAT	P54311	5.53E+08	3.00E+08	2.36E+08	3.63E+08	1.66E+08	3.36E+08	3.39E+08	2.80E+08	0.4	0.63	0.50	0.64

KIF2A_RAT	Q9WV63	6.90E+07	4.55E+07	3.09E+07	4.85E+07	1.71E+07	5.04E+07	4.45E+07	3.74E+07	0.4	0.63	0.50	0.64
KIF2A_RAT	Q9WV63	6.90E+07	4.55E+07	3.09E+07	4.85E+07	1.71E+07	5.04E+07	4.45E+07	3.74E+07	0.4	0.63	0.50	0.64
BCAS1_RAT	Q3ZB98	2.34E+07	1.48E+08	1.76E+06	5.78E+07	5.14E+07	5.31E+06	1.19E+07	2.29E+07	1.3	0.63	0.51	0.64
SEP11_MOUSE	Q8C1B7	2.40E+08	1.37E+08	1.40E+08	1.72E+08	8.97E+07	1.37E+08	1.92E+08	1.40E+08	0.3	0.62	0.51	0.64
KAPCB_RAT	P68182	6.12E+07	3.08E+06	2.36E+06	2.22E+07	3.08E+06	1.39E+07	6.58E+06	7.85E+06	1.5	0.62	0.51	0.64
DPYL2_RAT	P47942	6.20E+08	5.45E+08	3.82E+08	5.16E+08	4.29E+08	4.89E+08	4.71E+08	4.63E+08	0.2	0.62	0.51	0.64
MYH10_RAT	Q9JLT0	8.39E+07	1.76E+08	1.09E+08	1.23E+08	4.87E+07	1.01E+08	1.39E+08	9.61E+07	0.4	0.61	0.52	0.63
AINX_RAT	P23565	1.38E+09	8.58E+08	8.14E+08	1.02E+09	7.51E+08	9.69E+08	9.21E+08	8.80E+08	0.2	0.61	0.52	0.63
CLH_RAT	P11442	1.14E+08	5.24E+07	4.99E+07	7.21E+07	3.45E+07	4.92E+07	3.52E+08	1.45E+08	-1.0	-0.60	0.53	0.63
NTRI_MOUSE	Q99PJ0	3.35E+07	4.30E+07	8.99E+07	5.54E+07	5.23E+06	2.84E+08	5.74E+07	1.15E+08	-1.1	-0.59	0.53	0.62
GBB2_RAT	P54313	4.81E+08	2.29E+08	1.66E+08	2.92E+08	1.27E+08	2.74E+08	2.56E+08	2.19E+08	0.4	0.59	0.53	0.62
TMM11_RAT	B0BN86	1.49E+06	3.45E+06	1.40E+06	2.11E+06	8.14E+05	9.57E+05	1.29E+07	4.88E+06	-1.2	-0.59	0.53	0.62
GBRB3_RAT	P63079	1.41E+06	9.04E+05	1.04E+06	1.12E+06	7.43E+05	2.54E+06	1.21E+06	1.50E+06	-0.4	-0.59	0.53	0.62
AT2B1_RAT	P11505	6.44E+07	6.47E+07	2.39E+07	5.10E+07	5.55E+07	3.22E+07	3.40E+07	4.06E+07	0.3	0.58	0.54	0.62
CSK21_RAT	P19139	1.56E+06	1.96E+06	7.92E+05	1.44E+06	7.10E+04	3.20E+05	2.33E+06	9.07E+05	0.7	0.58	0.54	0.62
SPTA2_RAT	P16086	3.24E+09	1.79E+09	2.14E+09	2.39E+09	1.71E+09	3.05E+09	3.95E+09	2.91E+09	-0.3	-0.57	0.55	0.61
NSF_RAT	Q9QUL6	3.18E+08	3.75E+08	1.31E+08	2.74E+08	3.61E+08	3.19E+08	2.93E+08	3.24E+08	-0.2	-0.57	0.55	0.61
U626B_MOUSE	Q3UH99	3.43E+07	7.62E+07	1.97E+07	4.34E+07	2.93E+06	5.87E+07	2.25E+07	2.80E+07	0.6	0.57	0.55	0.61
MYPR_RAT	P60203	4.66E+08	3.05E+08	3.64E+08	3.78E+08	2.53E+08	3.40E+08	4.13E+08	3.35E+08	0.2	0.56	0.55	0.61
ACTN4_RAT	Q9QXQ0	2.95E+07	1.97E+07	2.25E+07	2.39E+07	6.81E+05	3.07E+07	9.31E+07	4.15E+07	-0.8	-0.56	0.55	0.61
NCAN_RAT	P55067	1.27E+08	6.09E+07	6.09E+07	8.31E+07	4.60E+07	8.54E+07	6.99E+07	6.71E+07	0.3	0.56	0.56	0.61
HOME3_RAT	Q9Z2X5	1.28E+07	1.60E+07	1.63E+07	1.50E+07	8.70E+06	1.84E+07	1.21E+07	1.31E+07	0.2	0.56	0.56	0.61
NDKA_RAT	Q05982	1.18E+07	1.21E+06	1.17E+07	8.24E+06	6.12E+06	1.32E+07	1.36E+07	1.10E+07	-0.4	-0.55	0.56	0.61
RLA2_RAT	P02401	1.55E+07	1.38E+07	1.41E+07	1.44E+07	3.59E+06	3.76E+07	2.07E+07	2.06E+07	-0.5	-0.55	0.56	0.60
GHC1_MOUSE	Q9D6M3	5.42E+08	2.50E+08	9.06E+07	2.94E+08	1.73E+08	5.07E+08	5.36E+08	4.05E+08	-0.5	-0.55	0.56	0.60
CTNB1_RAT	Q9WU82	2.43E+08	1.05E+08	7.88E+07	1.42E+08	6.47E+07	1.18E+08	1.39E+08	1.07E+08	0.4	0.55	0.56	0.60
TOM20_RAT	Q62760	1.14E+08	7.02E+07	6.09E+07	8.19E+07	1.30E+07	1.34E+08	1.87E+07	5.51E+07	0.6	0.55	0.56	0.60
QCR2_RAT	P32551	1.95E+07	7.98E+07	1.88E+07	3.94E+07	1.11E+06	4.76E+07	2.45E+07	2.44E+07	0.7	0.54	0.57	0.60
AT1A2_RAT	P06686	4.74E+08	6.84E+08	5.06E+08	5.55E+08	3.01E+08	5.76E+08	5.79E+08	4.85E+08	0.2	0.54	0.57	0.60
DCLK1_MOUSE	Q9JLM8	8.89E+07	4.25E+07	3.83E+07	5.66E+07	1.83E+07	5.21E+07	6.16E+07	4.40E+07	0.4	0.53	0.58	0.59
ATPA_RAT	P15999	1.19E+08	2.25E+08	1.06E+08	1.50E+08	1.55E+08	1.22E+08	9.86E+07	1.25E+08	0.3	0.53	0.58	0.59
FYN_RAT	Q62844	2.23E+07	5.12E+07	7.18E+07	4.85E+07	2.27E+07	4.79E+07	4.53E+07	3.86E+07	0.3	0.52	0.58	0.59
VPP1_RAT	P25286	2.85E+08	3.74E+08	1.89E+08	2.83E+08	1.32E+08	3.51E+08	2.17E+08	2.33E+08	0.3	0.52	0.58	0.59
SNPH_MOUSE	Q80U23	2.24E+05	4.23E+07	1.17E+06	1.46E+07	8.19E+05	3.85E+05	1.61E+07	5.76E+06	1.3	0.52	0.58	0.59
CNTP1_RAT	P97846	4.73E+08	2.02E+08	2.47E+08	3.07E+08	9.39E+07	3.45E+08	2.84E+08	2.41E+08	0.4	0.51	0.59	0.59
AGAP2_RAT	Q8CGU4	3.35E+06	1.16E+07	3.89E+06	6.28E+06	5.76E+06	1.19E+07	6.88E+06	8.19E+06	-0.4	-0.51	0.59	0.59
SYN2_RAT	Q63537	8.38E+08	5.19E+08	5.00E+08	6.19E+08	5.49E+08	6.48E+08	9.39E+08	7.12E+08	-0.2	-0.51	0.59	0.59
NEUM_RAT	P07936	1.16E+08	9.83E+07	1.45E+08	1.20E+08	6.93E+07	1.73E+08	1.85E+08	1.42E+08	-0.2	-0.50	0.60	0.58
MAP1A_RAT	P34926	2.25E+08	3.67E+08	2.08E+08	2.66E+08	4.47E+08	2.51E+08	2.44E+08	3.14E+08	-0.2	-0.50	0.60	0.58
ADT2_RAT	Q09073	4.89E+08	2.92E+08	1.42E+08	3.08E+08	2.48E+08	4.25E+08	4.51E+08	3.75E+08	-0.3	-0.49	0.60	0.58
NEGR1_RAT	Q9Z0J8	1.03E+08	3.89E+07	4.58E+07	6.25E+07	2.03E+07	7.10E+07	5.38E+07	4.84E+07	0.4	0.49	0.60	0.58
MAP6_RAT	Q63560	4.93E+08	4.54E+08	4.94E+08	4.80E+08	4.01E+08	5.17E+08	6.42E+08	5.20E+08	-0.1	-0.49	0.61	0.58
TOM22_MOUSE	Q9CPQ3	4.07E+07	1.56E+07	7.86E+06	2.14E+07	5.74E+06	2.08E+07	1.94E+07	1.53E+07	0.5	0.49	0.61	0.57
RB6I2_RAT	Q811U3	1.50E+08	1.01E+08	7.08E+07	1.07E+08	8.52E+07	1.36E+08	1.49E+08	1.24E+08	-0.2	-0.48	0.61	0.57
SEPT9_RAT	Q9QZR6	6.79E+06	2.34E+07	6.35E+06	1.22E+07	2.46E+06	7.57E+06	5.52E+07	2.17E+07	-0.8	-0.48	0.62	0.57

NFH_MOUSE	P19246	2.12E+08	1.04E+08	1.71E+08	1.62E+08	1.63E+08	1.13E+08	1.53E+08	1.43E+08	0.2	0.48	0.62	0.57
GTR1_RAT	P11167	3.74E+07	2.62E+07	3.30E+07	3.22E+07	9.02E+06	4.92E+07	1.84E+07	2.55E+07	0.3	0.47	0.62	0.57
KPCG_RAT	P63319	5.08E+07	5.84E+07	7.96E+07	6.29E+07	3.58E+07	1.30E+08	6.93E+07	7.82E+07	-0.3	-0.47	0.62	0.57
MOG_RAT	Q63345	2.27E+08	1.08E+08	1.47E+08	1.61E+08	1.35E+08	1.36E+08	1.56E+08	1.42E+08	0.2	0.47	0.62	0.57
BIN1_RAT	O08839	6.76E+06	3.30E+07	2.05E+07	2.01E+07	1.40E+07	2.22E+07	4.14E+07	2.58E+07	-0.4	-0.46	0.63	0.56
UN13A_RAT	Q62768	5.04E+06	6.55E+06	4.13E+06	5.24E+06	2.92E+06	9.53E+06	6.42E+06	6.29E+06	-0.3	-0.46	0.63	0.56
NFASC_RAT	P97685	3.98E+08	6.47E+08	2.32E+08	4.25E+08	4.12E+08	3.54E+08	7.92E+08	5.19E+08	-0.3	-0.45	0.63	0.56
VAPA_RAT	Q9Z270	6.89E+06	8.20E+06	8.59E+06	7.89E+06	4.24E+05	1.19E+07	2.00E+07	1.07E+07	-0.4	-0.44	0.64	0.56
COX2_RAT	P00406	1.72E+07	1.32E+08	3.61E+07	6.16E+07	8.48E+06	6.49E+07	5.24E+07	4.19E+07	0.6	0.44	0.64	0.56
HPLN1_RAT	P03994	1.06E+08	6.56E+07	3.29E+07	6.82E+07	3.49E+07	7.59E+07	5.76E+07	5.61E+07	0.3	0.44	0.64	0.55
RIMS1_RAT	Q9JIR4	1.10E+08	1.62E+07	4.14E+06	4.35E+07	1.83E+06	4.11E+07	3.44E+07	2.58E+07	0.8	0.44	0.65	0.55
GRIA2_RAT	P19491	2.58E+08	1.47E+08	1.45E+08	1.84E+08	7.69E+07	1.94E+08	1.99E+08	1.56E+08	0.2	0.44	0.65	0.55
ABCB8_RAT	Q5RKI8	2.48E+07	2.93E+07	1.72E+07	2.38E+07	7.49E+06	3.68E+07	4.41E+07	2.95E+07	-0.3	-0.43	0.65	0.55
FLOT2_RAT	Q9Z2S9	4.72E+07	6.89E+07	9.98E+07	7.20E+07	9.00E+06	1.46E+08	1.27E+08	9.41E+07	-0.4	-0.43	0.65	0.55
RL18_RAT	P12001	8.16E+06	2.38E+07	1.32E+07	1.51E+07	3.01E+06	1.14E+07	2.08E+07	1.17E+07	0.4	0.43	0.66	0.55
TAGL3_RAT	P37805	1.30E+08	6.37E+07	6.91E+07	8.75E+07	1.30E+07	1.12E+08	8.59E+07	7.02E+07	0.3	0.42	0.66	0.55
CPNE4_HUMAN	Q96A23	1.19E+06	7.40E+06	1.29E+06	3.29E+06	9.71E+05	3.01E+06	2.83E+06	2.27E+06	0.5	0.42	0.66	0.55
PROF2_RAT	Q9EPC6	1.41E+07	3.28E+07	2.67E+07	2.45E+07	2.55E+07	2.44E+07	3.20E+07	2.73E+07	-0.2	-0.41	0.67	0.54
GFAP_RAT	P47819	1.28E+09	6.24E+08	4.29E+08	7.77E+08	5.66E+08	1.05E+09	1.16E+09	9.23E+08	-0.2	-0.41	0.67	0.54
GDAP1_MOUSE	O88741	2.10E+08	7.78E+07	5.75E+07	1.15E+08	5.84E+07	2.21E+08	1.58E+08	1.46E+08	-0.3	-0.41	0.67	0.54
EAA2_RAT	P31596	5.83E+06	2.48E+05	2.91E+07	1.17E+07	1.30E+07	2.68E+07	9.55E+06	1.65E+07	-0.5	-0.41	0.67	0.54
DLGP1_RAT	P97836	7.82E+07	7.50E+07	5.70E+07	7.01E+07	1.37E+07	9.29E+07	7.00E+07	5.89E+07	0.3	0.41	0.67	0.54
CYB5B_RAT	P04166	2.14E+07	9.22E+07	2.39E+07	4.58E+07	1.52E+06	6.68E+07	2.92E+07	3.25E+07	0.5	0.40	0.68	0.53
DLG3_RAT	Q62936	5.41E+07	8.46E+07	6.89E+07	6.92E+07	4.42E+07	7.24E+07	1.24E+08	8.01E+07	-0.2	-0.39	0.68	0.53
VDAC1_RAT	Q9Z2L0	6.02E+09	3.19E+09	2.81E+09	4.01E+09	2.50E+09	5.07E+09	6.42E+09	4.67E+09	-0.2	-0.38	0.69	0.53
THY1_RAT	P01830	4.33E+08	5.67E+08	6.29E+08	5.43E+08	2.39E+08	7.51E+08	9.09E+08	6.33E+08	-0.2	-0.38	0.69	0.53
TPM3_RAT	Q63610	6.55E+06	4.29E+06	2.45E+07	1.18E+07	1.41E+07	1.98E+07	1.02E+07	1.47E+07	-0.3	-0.38	0.70	0.53
COX5A_RAT	P11240	1.87E+08	8.61E+07	8.15E+07	1.18E+08	1.60E+07	1.17E+08	1.54E+08	9.56E+07	0.3	0.38	0.70	0.53
AP2A2_RAT	P18484	1.86E+08	1.92E+08	2.08E+08	1.95E+08	7.60E+07	6.03E+08	1.18E+08	2.65E+08	-0.4	-0.37	0.70	0.52
NMDE2_MOUSE	Q01097	2.02E+08	1.00E+08	8.44E+07	1.29E+08	9.40E+07	1.58E+08	1.92E+08	1.48E+08	-0.2	-0.37	0.70	0.52
CN37_RAT	P13233	5.06E+08	3.25E+08	3.23E+08	3.85E+08	2.63E+08	3.63E+08	4.32E+08	3.53E+08	0.1	0.37	0.70	0.52
GNAO_RAT	P59215	1.95E+09	9.44E+08	8.75E+08	1.26E+09	7.98E+08	1.21E+09	1.29E+09	1.10E+09	0.2	0.37	0.70	0.52
NOE1_RAT	Q62609	3.87E+07	2.66E+07	3.74E+07	3.42E+07	2.74E+07	3.70E+07	3.26E+07	3.23E+07	0.1	0.36	0.71	0.52
RAB10_MOUSE	P61027	1.58E+08	6.07E+07	4.41E+07	8.77E+07	2.84E+07	9.16E+07	9.34E+07	7.11E+07	0.3	0.36	0.71	0.52
SAM50_RAT	Q6AXV4	1.98E+08	5.93E+07	5.12E+07	1.03E+08	3.22E+07	1.05E+08	1.07E+08	8.16E+07	0.3	0.35	0.71	0.52
LPHN1_RAT	O88917	1.13E+06	1.34E+06	3.15E+07	1.13E+07	5.39E+06	4.78E+07	1.62E+06	1.83E+07	-0.7	-0.35	0.72	0.51
ACTBL_HUMAN	Q562R1	3.35E+09	6.97E+09	3.68E+09	4.67E+09	2.02E+09	5.48E+09	4.69E+09	4.06E+09	0.2	0.35	0.72	0.51
IQEC2_MOUSE	Q5DU25	5.74E+07	6.99E+07	2.22E+07	4.98E+07	3.15E+07	7.56E+07	6.50E+07	5.74E+07	-0.2	-0.35	0.72	0.51
KCNA1_RAT	P10499	2.43E+07	1.47E+07	6.50E+06	1.52E+07	5.95E+06	1.41E+07	1.82E+07	1.28E+07	0.3	0.35	0.72	0.51
MTCH2_MOUSE	Q791V5	3.12E+08	1.47E+08	1.02E+08	1.87E+08	9.16E+07	1.29E+08	2.49E+08	1.57E+08	0.3	0.35	0.72	0.51
CADH2_RAT	Q9Z1Y3	9.05E+06	9.43E+06	1.17E+07	1.01E+07	5.65E+06	1.50E+07	5.92E+06	8.84E+06	0.2	0.34	0.72	0.51
DREB_RAT	Q07266	4.61E+07	9.26E+06	4.88E+06	2.01E+07	7.14E+06	3.02E+07	5.30E+06	1.42E+07	0.5	0.34	0.72	0.51
DLGP2_RAT	P97837	4.38E+07	4.79E+07	3.33E+07	4.17E+07	1.07E+07	5.25E+07	4.62E+07	3.65E+07	0.2	0.34	0.72	0.51
PHB_RAT	P67779	1.04E+08	4.83E+07	3.21E+07	6.15E+07	2.05E+07	7.40E+07	5.94E+07	5.13E+07	0.3	0.34	0.73	0.51
SYT1_RAT	P21707	4.03E+07	3.00E+07	3.85E+07	3.62E+07	3.52E+07	4.01E+07	3.73E+07	3.75E+07	-0.1	-0.33	0.73	0.51

PCLO_RAT	Q9JKS6	6.07E+08	2.23E+08	1.66E+08	3.32E+08	6.58E+07	4.71E+08	2.57E+08	2.65E+08	0.3	0.33	0.73	0.51
STX1B_RAT	P61265	3.81E+07	2.22E+07	3.70E+07	3.24E+07	3.20E+07	5.83E+07	2.06E+07	3.70E+07	-0.2	-0.33	0.73	0.51
GP158_MOUSE	Q8C419	4.40E+06	2.24E+07	9.57E+06	1.21E+07	2.38E+06	1.42E+07	3.05E+07	1.57E+07	-0.4	-0.33	0.74	0.50
ADA23_MOUSE	Q9R1V7	8.58E+06	2.01E+06	2.83E+06	4.47E+06	3.02E+06	4.22E+06	3.95E+06	3.73E+06	0.3	0.32	0.74	0.50
OPALI_HUMAN	Q96PE5	7.09E+05	1.88E+06	1.40E+06	1.33E+06	6.47E+05	1.41E+06	2.62E+06	1.56E+06	-0.2	-0.31	0.75	0.50
SHAN3_RAT	Q9JLU4	7.01E+07	5.17E+07	5.04E+07	5.74E+07	2.65E+07	4.96E+07	7.89E+07	5.17E+07	0.2	0.31	0.75	0.50
KCNA3_RAT	P15384	1.21E+07	2.24E+07	4.87E+06	1.31E+07	3.28E+06	1.67E+07	1.27E+07	1.09E+07	0.3	0.31	0.75	0.50
SPA2L_MOUSE	Q8BNN1	7.17E+05	1.30E+06	4.55E+05	8.23E+05	4.32E+05	9.32E+05	1.51E+06	9.58E+05	-0.2	-0.31	0.75	0.49
OGT1_MOUSE	Q8CGY8	8.26E+05	3.64E+06	1.18E+05	1.53E+06	6.19E+04	5.68E+06	9.19E+05	2.22E+06	-0.5	-0.30	0.75	0.49
GNAI1_RAT	P10824	4.00E+08	3.32E+08	2.88E+08	3.40E+08	2.57E+08	3.70E+08	4.61E+08	3.62E+08	-0.1	-0.30	0.75	0.49
SEPT2_RAT	Q91Y81	2.95E+07	1.28E+07	5.81E+07	3.35E+07	1.07E+06	1.74E+07	5.99E+07	2.61E+07	0.4	0.30	0.75	0.49
HXK1_RAT	P05708	2.78E+09	1.22E+09	1.14E+09	1.71E+09	6.84E+08	1.59E+09	2.19E+09	1.49E+09	0.2	0.30	0.76	0.49
GRM7_RAT	P35400	8.11E+05	2.53E+07	5.62E+05	8.89E+06	7.09E+05	1.45E+06	1.52E+07	5.80E+06	0.6	0.29	0.76	0.49
NMDZ1_RAT	P35439	1.82E+08	5.87E+07	4.74E+07	9.59E+07	3.61E+07	1.27E+08	1.84E+08	1.16E+08	-0.3	-0.29	0.76	0.49
BASP_RAT	Q05175	1.55E+09	9.76E+08	1.35E+09	1.29E+09	7.05E+08	1.36E+09	1.52E+09	1.20E+09	0.1	0.29	0.76	0.49
ATAD3_RAT	Q3KRE0	8.05E+06	1.19E+08	4.04E+06	4.39E+07	1.75E+07	9.35E+07	6.26E+07	5.79E+07	-0.4	-0.29	0.77	0.49
PACS1_RAT	O88588	1.15E+07	3.70E+06	3.51E+06	6.24E+06	4.62E+06	1.33E+07	4.55E+06	7.49E+06	-0.3	-0.29	0.77	0.49
CAD13_MOUSE	Q9WTR5	1.54E+06	6.17E+06	3.44E+05	2.68E+06	2.02E+06	5.43E+06	2.56E+06	3.34E+06	-0.3	-0.29	0.77	0.49
CTND2_MOUSE	O35927	2.49E+07	9.82E+06	9.70E+06	1.48E+07	7.07E+06	1.60E+07	2.90E+07	1.74E+07	-0.2	-0.28	0.77	0.48
CYFP2_MOUSE	Q5SQX6	4.91E+07	4.66E+07	7.89E+07	5.82E+07	4.21E+07	7.67E+07	6.95E+07	6.28E+07	-0.1	-0.28	0.77	0.48
MYL6_RAT	Q64119	6.92E+07	9.98E+07	3.59E+08	1.76E+08	1.17E+08	1.28E+08	4.04E+08	2.16E+08	-0.3	-0.28	0.77	0.48
OPA1_RAT	Q2TA68	2.52E+08	1.08E+08	4.95E+07	1.36E+08	3.42E+07	1.99E+08	2.60E+08	1.64E+08	-0.3	-0.28	0.77	0.48
LPPR4_RAT	Q7TMB7	2.86E+07	1.69E+07	8.60E+06	1.80E+07	1.69E+07	1.03E+07	2.09E+07	1.60E+07	0.2	0.27	0.78	0.48
COF1_RAT	P45592	3.38E+07	8.55E+07	5.67E+07	5.87E+07	5.39E+07	7.37E+07	6.29E+07	6.35E+07	-0.1	-0.27	0.78	0.48
AP2A1_MOUSE	P17426	1.96E+08	7.20E+07	7.42E+07	1.14E+08	8.30E+07	7.46E+07	1.43E+08	1.00E+08	0.2	0.27	0.78	0.48
IQEC3_RAT	Q76M68	3.92E+06	1.82E+07	5.17E+06	9.09E+06	9.06E+06	1.49E+07	7.82E+06	1.06E+07	-0.2	-0.27	0.78	0.48
SNP25_RAT	P60881	2.37E+07	2.99E+07	3.27E+07	2.87E+07	2.72E+07	2.83E+07	3.37E+07	2.97E+07	0.0	-0.27	0.78	0.48
OMGP_MOUSE	Q63912	2.45E+08	5.41E+07	1.27E+08	1.42E+08	9.70E+07	2.67E+08	1.30E+08	1.64E+08	-0.2	-0.27	0.78	0.48
TAU_MOUSE	P10637	9.32E+07	2.29E+08	5.40E+07	1.25E+08	1.33E+08	9.25E+07	1.03E+08	1.09E+08	0.2	0.26	0.78	0.48
NCAM1_RAT	P13596	4.60E+07	3.10E+07	2.63E+07	3.45E+07	1.41E+07	2.97E+07	4.93E+07	3.10E+07	0.2	0.26	0.79	0.48
DYL1_RAT	P63170	6.66E+07	2.34E+07	6.53E+07	5.18E+07	3.63E+05	8.75E+07	4.22E+07	4.34E+07	0.3	0.26	0.79	0.48
TBB2A_RAT	P85108	6.77E+09	7.63E+09	5.02E+09	6.47E+09	5.64E+09	8.00E+09	6.69E+09	6.77E+09	-0.1	-0.26	0.79	0.48
UN13A_MOUSE	Q4KUS2	8.78E+07	7.01E+07	3.46E+07	6.41E+07	4.47E+07	7.82E+07	8.73E+07	7.00E+07	-0.1	-0.26	0.79	0.48
GLNA_RAT	P09606	1.77E+08	8.77E+07	9.17E+07	1.19E+08	4.27E+07	1.69E+08	1.92E+08	1.34E+08	-0.2	-0.26	0.79	0.48
PRIO_MOUSE	P04925	1.12E+08	7.92E+07	9.65E+07	9.61E+07	3.50E+07	1.09E+08	1.20E+08	8.80E+07	0.1	0.26	0.79	0.47
MACF1_HUMAN	Q9UPN3	1.30E+06	6.70E+06	2.67E+06	3.56E+06	2.77E+06	1.55E+05	5.81E+06	2.91E+06	0.3	0.25	0.79	0.47
KCNA2_RAT	P63142	1.21E+07	2.28E+07	4.87E+06	1.32E+07	3.28E+06	1.67E+07	1.42E+07	1.14E+07	0.2	0.25	0.79	0.47
GABR2_RAT	O88871	5.68E+07	1.71E+07	7.69E+06	2.72E+07	1.86E+05	4.72E+07	1.73E+07	2.16E+07	0.3	0.25	0.80	0.47
KCD12_MOUSE	Q6WVG3	1.36E+08	7.50E+07	5.67E+07	8.93E+07	3.10E+07	1.36E+08	1.35E+08	1.01E+08	-0.2	-0.25	0.80	0.47
PP2BB_RAT	P20651	1.96E+07	4.17E+07	1.61E+07	2.58E+07	1.73E+07	4.60E+07	2.38E+07	2.90E+07	-0.2	-0.24	0.80	0.47
NDUA8_MOUSE	Q9DCJ5	4.61E+05	4.64E+06	1.59E+06	2.23E+06	2.50E+05	3.04E+06	2.19E+06	1.83E+06	0.3	0.24	0.80	0.47
SHAN1_RAT	Q9WV48	1.73E+08	1.34E+08	1.15E+08	1.41E+08	8.65E+07	1.62E+08	2.03E+08	1.51E+08	-0.1	-0.24	0.81	0.46
CSPG2_RAT	Q9ERB4	2.92E+07	3.85E+07	5.57E+07	4.12E+07	3.02E+07	6.10E+07	4.15E+07	4.42E+07	-0.1	-0.23	0.81	0.46
FLOT1_RAT	Q9Z1E1	9.24E+07	4.35E+07	5.96E+07	6.52E+07	1.40E+07	7.55E+07	8.55E+07	5.84E+07	0.2	0.23	0.81	0.46
VATH_MOUSE	Q8BVE3	4.77E+07	2.19E+07	4.39E+07	3.78E+07	1.51E+07	3.81E+07	5.03E+07	3.45E+07	0.1	0.23	0.81	0.46

SEPT5_MOUSE	Q9Z2Q6	1.36E+08	7.37E+07	1.07E+08	1.06E+08	6.59E+07	1.25E+08	1.08E+08	9.95E+07	0.1	0.23	0.82	0.46
RGS17_MOUSE	Q9QZB0	1.63E+07	1.29E+07	3.20E+06	1.08E+07	8.74E+06	8.60E+06	1.20E+07	9.78E+06	0.1	0.22	0.82	0.46
G3P_RAT	P04797	9.56E+08	6.50E+08	4.90E+08	6.99E+08	5.18E+08	5.61E+08	1.21E+09	7.63E+08	-0.1	-0.22	0.82	0.46
H4_RAT	P62804	5.70E+07	1.19E+08	2.20E+08	1.32E+08	1.44E+08	1.21E+08	9.52E+07	1.20E+08	0.1	0.22	0.82	0.46
ODO1_RAT	Q5XI78	3.01E+07	6.13E+06	3.79E+06	1.34E+07	3.54E+05	2.29E+07	9.03E+06	1.08E+07	0.3	0.22	0.82	0.46
KCC2D_RAT	P15791	1.79E+09	2.33E+09	1.25E+09	1.79E+09	1.30E+09	2.02E+09	2.35E+09	1.89E+09	-0.1	-0.21	0.83	0.46
BSN_RAT	O88778	1.47E+09	1.17E+09	9.74E+08	1.20E+09	7.84E+08	1.41E+09	1.61E+09	1.27E+09	-0.1	-0.21	0.83	0.45
CXA1_RAT	P08050	3.17E+08	1.23E+08	2.70E+08	2.36E+08	9.63E+07	3.41E+08	3.40E+08	2.59E+08	-0.1	-0.21	0.83	0.45
KCC2G_RAT	P11730	1.44E+09	2.23E+09	1.19E+09	1.62E+09	1.30E+09	1.89E+09	1.92E+09	1.70E+09	-0.1	-0.20	0.84	0.45
CALM_RAT	P62161	1.54E+08	5.75E+07	1.33E+08	1.15E+08	7.21E+07	1.60E+08	1.39E+08	1.24E+08	-0.1	-0.20	0.84	0.45
ANK2_MOUSE	Q8C8R3	8.28E+08	7.05E+08	7.36E+08	7.56E+08	4.88E+08	8.78E+08	8.24E+08	7.30E+08	0.1	0.19	0.85	0.45
CA2D1_RAT	P54290	4.28E+06	3.89E+06	1.41E+06	3.19E+06	2.64E+05	1.97E+06	6.15E+06	2.79E+06	0.2	0.19	0.85	0.44
HSP7C_RAT	P63018	1.44E+09	8.69E+08	7.33E+08	1.01E+09	7.31E+08	1.07E+09	1.42E+09	1.07E+09	-0.1	-0.18	0.85	0.44
TOM70_RAT	Q75Q39	3.37E+08	3.38E+08	1.12E+08	2.63E+08	3.14E+08	2.10E+08	2.16E+08	2.47E+08	0.1	0.18	0.86	0.44
CAZA1_RAT	B2GUZ5	7.08E+07	7.07E+07	4.40E+07	6.19E+07	4.96E+07	8.32E+07	6.05E+07	6.44E+07	-0.1	-0.17	0.86	0.44
ODO2_RAT	Q01205	1.11E+07	1.74E+07	2.60E+07	1.82E+07	8.61E+06	2.59E+07	2.41E+07	1.95E+07	-0.1	-0.17	0.86	0.44
CAZA2_RAT	Q3T1K5	1.20E+08	1.51E+08	9.21E+07	1.21E+08	7.56E+07	1.44E+08	1.60E+08	1.27E+08	-0.1	-0.17	0.86	0.44
SPTN2_RAT	Q9QWN8	3.84E+08	6.08E+08	4.35E+08	4.76E+08	2.59E+08	6.05E+08	4.94E+08	4.52E+08	0.1	0.17	0.86	0.44
CH60_RAT	P63039	2.94E+07	1.56E+06	2.23E+06	1.11E+07	1.33E+06	6.15E+06	3.32E+07	1.36E+07	-0.3	-0.17	0.86	0.44
PLEC1_RAT	P30427	1.84E+08	3.98E+07	7.31E+07	9.91E+07	2.79E+07	1.13E+08	1.27E+08	8.93E+07	0.2	0.17	0.86	0.44
GSK3B_RAT	P18266	4.28E+06	5.39E+06	2.83E+06	4.17E+06	2.29E+06	4.87E+06	4.75E+06	3.97E+06	0.1	0.16	0.87	0.43
GRIA3_MOUSE	Q9Z2W9	6.06E+07	2.52E+07	3.16E+07	3.91E+07	1.16E+07	6.15E+07	5.34E+07	4.22E+07	-0.1	-0.15	0.88	0.43
RS10_RAT	P63326	6.97E+06	3.15E+06	3.22E+06	4.45E+06	6.99E+05	7.78E+06	6.04E+06	4.84E+06	-0.1	-0.14	0.88	0.43
MTX2_MOUSE	O88441	1.08E+07	4.39E+06	1.91E+06	5.69E+06	1.11E+06	5.64E+06	8.70E+06	5.15E+06	0.1	0.14	0.88	0.43
GIT1_RAT	Q9Z272	9.33E+06	7.14E+06	3.91E+06	6.79E+06	2.71E+06	1.26E+07	6.61E+06	7.30E+06	-0.1	-0.14	0.88	0.43
LRRC7_RAT	P70587	1.57E+09	2.06E+08	7.17E+08	8.31E+08	6.42E+08	8.19E+08	8.46E+08	7.69E+08	0.1	0.14	0.88	0.43
KAP3_RAT	P12369	1.37E+07	1.12E+07	1.05E+07	1.18E+07	6.67E+06	1.28E+07	1.48E+07	1.14E+07	0.0	0.14	0.89	0.43
KAPCA_RAT	P27791	5.79E+07	4.77E+06	2.55E+06	2.18E+07	3.08E+06	4.00E+07	3.18E+07	2.49E+07	-0.2	-0.14	0.89	0.42
IQEC1_MOUSE	Q8R0S2	4.39E+07	5.75E+07	2.62E+07	4.25E+07	2.49E+07	6.55E+07	3.04E+07	4.03E+07	0.1	0.13	0.89	0.42
GD1L1_MOUSE	Q8VE33	1.07E+07	2.21E+06	1.32E+07	8.68E+06	4.54E+06	1.08E+07	9.09E+06	8.16E+06	0.1	0.13	0.90	0.42
MTCH1_MOUSE	Q791T5	7.26E+07	2.81E+07	3.31E+07	4.46E+07	1.76E+06	6.67E+07	7.63E+07	4.83E+07	-0.1	-0.12	0.90	0.42
MAP1B_RAT	P15205	3.96E+08	2.58E+08	2.89E+08	3.14E+08	2.45E+08	3.43E+08	3.34E+08	3.07E+08	0.0	0.12	0.90	0.42
RUFY3_RAT	Q5FVJ0	8.28E+05	8.63E+05	3.17E+05	6.69E+05	1.97E+05	7.95E+05	9.12E+05	6.35E+05	0.1	0.11	0.91	0.42
NMDE1_RAT	Q00959	2.80E+07	2.69E+07	1.35E+07	2.28E+07	6.26E+06	2.65E+07	3.23E+07	2.17E+07	0.1	0.11	0.91	0.41
CNTN1_RAT	Q63198	1.90E+09	1.16E+09	1.59E+09	1.55E+09	1.02E+09	1.84E+09	1.92E+09	1.59E+09	0.0	-0.11	0.91	0.41
KCAB2_RAT	P62483	1.28E+07	3.95E+06	4.25E+06	6.99E+06	8.48E+05	1.11E+07	1.05E+07	7.48E+06	-0.1	-0.10	0.92	0.41
GRIA4_HUMAN	P48058	6.79E+07	2.31E+07	2.91E+07	4.00E+07	8.10E+06	6.55E+07	5.39E+07	4.25E+07	-0.1	-0.10	0.92	0.41
KCC2B_MOUSE	P28652	2.24E+09	3.35E+09	1.55E+09	2.38E+09	1.57E+09	2.50E+09	3.31E+09	2.46E+09	0.0	-0.10	0.92	0.41
RPGF2_MOUSE	Q8CHG7	9.72E+05	1.49E+06	1.21E+05	8.60E+05	1.21E+05	2.30E+06	4.13E+05	9.46E+05	-0.1	-0.10	0.92	0.41
ECHA_RAT	Q64428	4.94E+07	3.23E+07	2.58E+07	3.58E+07	1.72E+07	4.00E+07	4.66E+07	3.46E+07	0.0	0.10	0.92	0.41
PSD3_MOUSE	Q2PFD7	7.26E+06	9.64E+06	8.83E+06	8.58E+06	2.23E+06	1.07E+07	1.18E+07	8.25E+06	0.1	0.10	0.92	0.41
RAC1_RAT	Q6RUV5	4.47E+08	4.00E+08	4.08E+08	4.18E+08	2.24E+08	4.43E+08	5.58E+08	4.08E+08	0.0	0.09	0.92	0.41
VDAC3_RAT	Q9R1Z0	2.42E+09	1.09E+09	8.94E+08	1.47E+09	7.36E+08	1.46E+09	2.02E+09	1.40E+09	0.1	0.09	0.92	0.41
BASP_MOUSE	Q91XV3	2.13E+08	7.78E+07	6.39E+08	3.10E+08	2.47E+08	3.99E+08	2.31E+08	2.92E+08	0.1	0.09	0.93	0.41
SPTB2_MOUSE	Q62261	2.09E+09	1.19E+09	1.21E+09	1.50E+09	8.43E+08	1.71E+09	1.82E+09	1.46E+09	0.0	0.09	0.93	0.41

STXB1_RAT	P61765	4.12E+08	5.18E+06	3.53E+07	1.51E+08	2.82E+07	3.00E+07	3.51E+08	1.36E+08	0.1	0.08	0.94	0.40
ACTB_RAT	P60711	6.90E+09	1.18E+10	7.58E+09	8.75E+09	5.52E+09	1.02E+10	9.98E+09	8.57E+09	0.0	0.08	0.94	0.40
NDUA4_MOUSE	Q62425	1.20E+08	2.72E+08	8.03E+07	1.57E+08	1.35E+08	1.73E+08	1.78E+08	1.62E+08	0.0	-0.07	0.94	0.40
MYO5A_RAT	Q9QYF3	1.98E+08	4.12E+08	1.93E+08	2.67E+08	1.78E+08	4.26E+08	2.23E+08	2.76E+08	0.0	-0.07	0.94	0.40
PP1B_RAT	P62142	3.20E+07	6.62E+06	1.73E+06	1.35E+07	1.53E+05	1.17E+07	2.59E+07	1.26E+07	0.1	0.07	0.95	0.40
COX41_RAT	P10888	5.32E+07	1.33E+08	8.89E+07	9.17E+07	2.91E+07	1.24E+08	1.14E+08	8.90E+07	0.0	0.06	0.95	0.40
CD47_RAT	P97829	5.90E+07	3.90E+07	2.85E+07	4.22E+07	2.31E+07	3.52E+07	7.13E+07	4.32E+07	0.0	-0.06	0.95	0.39
CMC1_MOUSE	Q8BH59	7.67E+07	4.83E+07	3.51E+07	5.33E+07	5.24E+07	4.36E+07	6.64E+07	5.41E+07	0.0	-0.05	0.96	0.39
ADDA_RAT	Q63028	7.55E+07	1.10E+08	9.98E+07	9.51E+07	2.93E+07	9.74E+07	1.65E+08	9.73E+07	0.0	-0.05	0.96	0.39
VDAC2_RAT	P81155	4.15E+09	2.10E+09	1.47E+09	2.58E+09	1.55E+09	2.70E+09	3.65E+09	2.63E+09	0.0	-0.05	0.96	0.39
SYGP1_RAT	Q9QUH6	1.75E+09	1.23E+09	9.95E+08	1.32E+09	8.12E+08	1.40E+09	1.71E+09	1.31E+09	0.0	0.04	0.96	0.39
KCC2A_RAT	P11275	4.07E+09	4.45E+09	2.36E+09	3.63E+09	2.40E+09	3.89E+09	4.46E+09	3.59E+09	0.0	0.04	0.96	0.39
SYN3_RAT	O70441	3.48E+07	2.67E+07	1.14E+07	2.43E+07	1.93E+07	2.57E+07	2.70E+07	2.40E+07	0.0	0.04	0.97	0.39
LY6H_MOUSE	Q9WUC3	8.16E+06	5.30E+07	7.51E+07	4.54E+07	2.21E+07	5.08E+07	6.64E+07	4.64E+07	0.0	-0.04	0.97	0.39
GRIA1_RAT	P19490	1.69E+08	9.79E+07	7.40E+07	1.13E+08	5.22E+07	1.46E+08	1.47E+08	1.15E+08	0.0	-0.04	0.97	0.39
SYNPO_RAT	Q9Z327	1.81E+07	3.14E+06	1.47E+06	7.58E+06	3.32E+06	1.61E+07	2.52E+06	7.31E+06	0.1	0.04	0.97	0.39
A26CB_HUMAN	A5A3E0	2.67E+09	1.24E+09	1.34E+09	1.75E+09	1.14E+09	1.82E+09	2.36E+09	1.77E+09	0.0	-0.03	0.97	0.39
HS12A_HUMAN	O43301	4.51E+05	2.33E+06	1.04E+06	1.27E+06	3.08E+04	1.81E+06	1.90E+06	1.25E+06	0.0	0.03	0.98	0.38
GNAZ_RAT	P19627	1.51E+08	1.16E+08	6.84E+07	1.12E+08	8.83E+07	1.30E+08	1.15E+08	1.11E+08	0.0	0.02	0.98	0.38
KCRU_RAT	P25809	8.84E+08	4.86E+08	3.90E+08	5.87E+08	3.49E+08	7.20E+08	7.03E+08	5.91E+08	0.0	-0.02	0.98	0.38
THIL_RAT	P17764	3.00E+08	8.53E+07	8.04E+07	1.55E+08	5.58E+07	2.07E+08	2.00E+08	1.54E+08	0.0	0.01	0.99	0.38
MYH14_MOUSE	Q6URW6	1.87E+06	7.89E+06	8.13E+05	3.52E+06	3.51E+06	2.03E+06	5.14E+06	3.56E+06	0.0	-0.01	0.99	0.38
AP2M1_RAT	P84092	1.06E+08	6.40E+07	5.55E+07	7.52E+07	6.04E+07	5.84E+07	1.08E+08	7.55E+07	0.0	-0.01	0.99	0.38
WASF1_RAT	Q5BJU7	2.62E+07	3.04E+07	2.55E+07	2.74E+07	6.82E+06	3.20E+07	4.30E+07	2.73E+07	0.0	0.01	0.99	0.38

Protein Name	Uniprot accesion numbers	Valproate 1 (Sum Intensity)	Valproate 2 (Sum Intensity)	Valproate 3 (Sum Intensity)	Average Total Intensity (Valproate)	Control 1 (Sum Intensity)	Control 2 (Sum Intensity)	Control 3 (Sum Intensity)	Average Total Intensity (Control)	Log2 fold change Valproate/ Control	Effect size Valproate/ Control	t-test Valproate/ Control	p - value Valproate / control
VATB2_RAT	P62815	1.43E+09	1.57E+09	1.67E+09	1.56E+09	7.74E+08	6.85E+08	9.12E+08	7.91E+08	1.0	1.77	0.00	1.00
NOE1_RAT	Q62609	2.26E+06	8.70E+06	8.18E+06	6.38E+06	2.74E+07	3.70E+07	3.26E+07	3.23E+07	-2.3	-1.76	0.00	1.00
HS12A_HUMAN	O43301	5.31E+06	5.16E+06	4.41E+06	4.96E+06	3.08E+04	1.81E+06	1.90E+06	1.25E+06	2.0	1.72	0.01	1.00
DPYL2_RAT	P47942	9.07E+08	1.26E+09	9.88E+08	1.05E+09	4.29E+08	4.89E+08	4.71E+08	4.63E+08	1.2	1.72	0.01	1.00
MAP2_RAT	P15146	6.02E+07	6.84E+07	3.94E+07	5.60E+07	8.78E+06	1.18E+07	7.90E+06	9.48E+06	2.6	1.71	0.01	1.00
NAC2_RAT	P48768	1.94E+07	1.38E+07	1.36E+07	1.56E+07	6.45E+06	8.82E+06	6.93E+06	7.40E+06	1.1	1.64	0.02	0.99
SYT1_RAT	P21707	5.45E+07	8.04E+07	6.59E+07	6.69E+07	3.52E+07	4.01E+07	3.73E+07	3.75E+07	0.8	1.62	0.02	0.99
PP2BA_RAT	P63329	8.69E+07	9.77E+07	8.25E+07	8.90E+07	1.28E+08	1.08E+08	1.36E+08	1.24E+08	-0.5	-1.61	0.02	0.99
AINX_RAT	P23565	1.51E+09	1.21E+09	1.23E+09	1.32E+09	7.51E+08	9.69E+08	9.21E+08	8.80E+08	0.6	1.61	0.02	0.99
NLGN2_RAT	Q62888	8.19E+05	3.82E+05	1.04E+05	4.35E+05	1.19E+06	2.02E+06	2.15E+06	1.79E+06	-2.0	-1.61	0.02	0.98
ADA23_MOUSE	Q9R1V7	1.17E+07	1.12E+07	6.61E+06	9.82E+06	3.02E+06	4.22E+06	3.95E+06	3.73E+06	1.4	1.60	0.02	0.98
ANS1B_RAT	P0C6S7	1.50E+08	1.48E+08	1.73E+08	1.57E+08	2.98E+08	2.06E+08	2.61E+08	2.55E+08	-0.7	-1.59	0.02	0.98
TAU_MOUSE	P10637	1.90E+08	1.65E+08	1.47E+08	1.68E+08	1.33E+08	9.25E+07	1.03E+08	1.09E+08	0.6	1.57	0.03	0.98
TBB2A_RAT	P85108	8.72E+09	1.15E+10	1.05E+10	1.02E+10	5.64E+09	8.00E+09	6.69E+09	6.77E+09	0.6	1.56	0.03	0.98
RUFY3_RAT	Q5FVJ0	1.47E+06	1.59E+06	1.23E+06	1.43E+06	1.97E+05	7.95E+05	9.12E+05	6.35E+05	1.2	1.55	0.03	0.98
SNP25_RAT	P60881	5.33E+07	6.34E+07	4.02E+07	5.23E+07	2.72E+07	2.83E+07	3.37E+07	2.97E+07	0.8	1.55	0.03	0.98
DYHC1_RAT	P38650	1.29E+08	1.22E+08	8.91E+07	1.13E+08	4.45E+07	8.00E+07	2.82E+07	5.09E+07	1.2	1.55	0.03	0.97
SHLB2_RAT	Q5PPJ9	3.07E+06	2.56E+06	1.04E+06	2.22E+06	3.19E+05	3.03E+05	2.39E+05	2.87E+05	3.0	1.54	0.03	0.97
COF1_RAT	P45592	1.29E+08	9.36E+07	1.62E+08	1.28E+08	5.39E+07	7.37E+07	6.29E+07	6.35E+07	1.0	1.54	0.03	0.97
EFTU_RAT	P85834	2.16E+07	2.74E+07	4.06E+07	2.99E+07	5.48E+07	8.87E+07	1.16E+08	8.64E+07	-1.5	-1.53	0.04	0.97
NCDN_RAT	O35095	2.35E+07	1.67E+07	1.09E+07	1.70E+07	9.15E+05	7.42E+06	5.30E+06	4.54E+06	1.9	1.53	0.04	0.97
UN13A_MOUSE	Q4KUS2	2.55E+06	2.65E+07	3.44E+07	2.11E+07	4.47E+07	7.82E+07	8.73E+07	7.00E+07	-1.7	-1.52	0.04	0.97
GRM2_RAT	P31421	1.45E+07	1.35E+07	1.50E+07	1.44E+07	2.34E+06	1.03E+07	8.49E+06	7.03E+06	1.0	1.52	0.04	0.97
MAP4_RAT	Q5M7W5	1.03E+08	1.23E+08	7.37E+07	9.97E+07	4.31E+07	6.41E+07	5.68E+07	5.47E+07	0.9	1.50	0.04	0.97
NSF_RAT	Q9QUL6	1.11E+09	6.33E+08	5.86E+08	7.78E+08	3.61E+08	3.19E+08	2.93E+08	3.24E+08	1.3	1.46	0.06	0.96
GRM3_RAT	P31422	1.18E+07	1.32E+07	1.20E+07	1.23E+07	3.35E+06	9.50E+06	8.53E+06	7.13E+06	0.8	1.46	0.06	0.96
EF1A1_RAT	P62630	1.75E+08	2.32E+08	2.04E+08	2.04E+08	1.61E+08	1.64E+08	1.26E+08	1.50E+08	0.4	1.45	0.06	0.96
ANK3_HUMAN	Q12955	2.06E+08	1.55E+08	1.48E+08	1.70E+08	4.90E+07	1.26E+08	1.07E+08	9.40E+07	0.9	1.44	0.06	0.95
ODO2_RAT	Q01205	6.15E+06	5.66E+06	5.25E+06	5.69E+06	8.61E+06	2.59E+07	2.41E+07	1.95E+07	-1.8	-1.43	0.07	0.95
EF1A2_RAT	P62632	1.70E+08	2.06E+08	2.01E+08	1.92E+08	1.61E+08	1.64E+08	1.21E+08	1.49E+08	0.4	1.41	0.07	0.95
MAP6_RAT	Q63560	7.25E+08	7.39E+08	6.43E+08	7.02E+08	4.01E+08	5.17E+08	6.42E+08	5.20E+08	0.4	1.40	0.07	0.94
GEPH_HUMAN	Q9NQX3	3.42E+07	2.63E+07	2.76E+07	2.94E+07	9.85E+06	2.57E+07	1.65E+07	1.73E+07	0.8	1.38	0.08	0.94
1433Z_RAT	P63102	1.26E+08	2.79E+08	2.49E+08	2.18E+08	3.60E+07	1.12E+08	1.30E+08	9.26E+07	1.2	1.37	0.08	0.94
IP3KA_RAT	P17105	6.04E+06	7.09E+06	1.89E+06	5.00E+06	9.68E+06	1.02E+07	1.94E+07	1.31E+07	-1.4	-1.37	0.08	0.94
PROF2_RAT	Q9EPC6	4.95E+07	8.96E+07	4.30E+07	6.07E+07	2.55E+07	2.44E+07	3.20E+07	2.73E+07	1.2	1.37	0.09	0.94
1433E_RAT	P62260	8.05E+07	2.41E+08	2.05E+08	1.75E+08	2.80E+07	8.30E+07	6.94E+07	6.01E+07	1.5	1.36	0.09	0.93
HBA_RAT	P01946	1.32E+06	1.87E+06	8.67E+05	1.35E+06	3.19E+06	1.78E+06	2.41E+06	2.46E+06	-0.9	-1.35	0.09	0.93
NFL_RAT	P19527	7.25E+08	5.41E+08	4.89E+08	5.85E+08	3.79E+08	3.39E+08	4.85E+08	4.01E+08	0.5	1.35	0.09	0.93
PHAR1_RAT	P62024	3.58E+06	2.16E+06	2.10E+06	2.61E+06	1.09E+06	1.30E+06	1.92E+06	1.44E+06	0.9	1.34	0.10	0.93
KCC2G_RAT	P11730	2.30E+09	2.03E+09	2.18E+09	2.17E+09	1.30E+09	1.89E+09	1.92E+09	1.70E+09	0.3	1.34	0.10	0.93
PRDX1_RAT	Q63716	1.64E+07	5.05E+07	2.02E+07	2.90E+07	2.07E+06	1.00E+07	4.80E+06	5.63E+06	2.4	1.33	0.10	0.92
PSD3_MOUSE	Q2PFD7	1.26E+07	1.99E+07	3.15E+07	2.13E+07	2.23E+06	1.07E+07	1.18E+07	8.25E+06	1.4	1.32	0.11	0.92

1433T_RAT	P68255	4.75E+07	1.89E+08	1.80E+08	1.39E+08	1.89E+07	4.54E+07	5.89E+07	4.11E+07	1.8	1.31	0.11	0.92
GBB1_RAT	P54311	3.24E+08	5.56E+08	5.84E+08	4.88E+08	1.66E+08	3.36E+08	3.39E+08	2.80E+08	0.8	1.31	0.11	0.92
RL18_RAT	P12001	2.53E+07	1.82E+07	2.71E+07	2.35E+07	3.01E+06	1.14E+07	2.08E+07	1.17E+07	1.0	1.30	0.11	0.92
1433F_RAT	P68511	5.51E+07	2.07E+08	2.14E+08	1.59E+08	2.04E+07	5.77E+07	7.27E+07	5.03E+07	1.7	1.29	0.12	0.91
MYO6_MOUSE	Q64331	6.86E+05	3.95E+05	8.37E+05	6.39E+05	5.79E+05	3.82E+07	3.94E+07	2.61E+07	-5.3	-1.29	0.12	0.91
RAB10_MOUSE	P61027	1.35E+08	1.09E+08	1.08E+08	1.17E+08	2.84E+07	9.16E+07	9.34E+07	7.11E+07	0.7	1.29	0.12	0.91
IQEC3_RAT	Q76M68	2.27E+06	8.85E+06	2.78E+06	4.63E+06	9.06E+06	1.49E+07	7.82E+06	1.06E+07	-1.2	-1.28	0.12	0.91
COX41_RAT	P10888	7.36E+06	5.46E+07	5.98E+06	2.27E+07	2.91E+07	1.24E+08	1.14E+08	8.90E+07	-2.0	-1.27	0.12	0.91
CAZA1_RAT	B2GUZ5	1.30E+08	2.41E+08	8.79E+07	1.53E+08	4.96E+07	8.32E+07	6.05E+07	6.44E+07	1.2	1.25	0.13	0.90
AT2B1_RAT	P11505	1.88E+08	3.93E+08	7.16E+07	2.17E+08	5.55E+07	3.22E+07	3.40E+07	4.06E+07	2.4	1.25	0.13	0.90
AT2B2_RAT	P11506	3.00E+07	5.88E+07	4.70E+07	4.53E+07	3.18E+07	3.13E+07	2.33E+07	2.88E+07	0.7	1.25	0.13	0.90
PKP4_MOUSE	Q68FH0	3.76E+06	1.46E+07	1.71E+07	1.18E+07	1.82E+07	1.95E+07	2.09E+07	1.96E+07	-0.7	-1.24	0.14	0.90
AT2B3_RAT	Q64568	2.93E+07	5.89E+07	4.64E+07	4.49E+07	3.12E+07	3.06E+07	2.24E+07	2.81E+07	0.7	1.24	0.14	0.90
CAPZB_RAT	Q5XI32	6.06E+07	2.24E+08	2.19E+08	1.68E+08	4.44E+07	6.02E+07	9.25E+07	6.57E+07	1.4	1.24	0.14	0.90
VATA_MOUSE	P50516	2.14E+08	3.11E+08	2.88E+08	2.71E+08	8.63E+07	2.51E+08	1.72E+08	1.70E+08	0.7	1.23	0.14	0.89
GDAP1_MOUSE	O88741	6.88E+07	5.07E+07	5.96E+07	5.97E+07	5.84E+07	2.21E+08	1.58E+08	1.46E+08	-1.3	-1.22	0.14	0.89
CSK21_RAT	P19139	1.85E+06	5.91E+06	2.66E+06	3.48E+06	7.10E+04	3.20E+05	2.33E+06	9.07E+05	1.9	1.22	0.15	0.89
NDUV2_RAT	P19234	9.27E+05	6.90E+06	1.67E+06	3.17E+06	2.98E+06	2.10E+07	1.59E+07	1.33E+07	-2.1	-1.21	0.15	0.89
ADT1_MOUSE	P48962	2.62E+08	2.87E+08	3.31E+08	2.94E+08	2.89E+08	5.63E+08	4.71E+08	4.41E+08	-0.6	-1.21	0.15	0.89
1433G_RAT	P61983	1.21E+08	2.63E+08	2.38E+08	2.07E+08	9.62E+07	1.34E+08	1.48E+08	1.26E+08	0.7	1.21	0.15	0.89
TOM70_RAT	Q75Q39	1.21E+08	2.32E+08	1.24E+08	1.59E+08	3.14E+08	2.10E+08	2.16E+08	2.47E+08	-0.6	-1.21	0.15	0.89
MPCP_MOUSE	Q8VEM8	1.49E+07	3.70E+07	1.56E+07	2.25E+07	3.67E+07	3.44E+07	3.41E+07	3.51E+07	-0.6	-1.19	0.16	0.88
AKAP5_RAT	P24587	8.61E+06	9.73E+06	1.03E+07	9.56E+06	9.68E+06	1.16E+07	1.27E+07	1.13E+07	-0.2	-1.19	0.16	0.88
PCBP1_MOUSE	P60335	1.90E+07	2.09E+07	1.16E+07	1.71E+07	2.02E+07	2.50E+07	3.91E+07	2.81E+07	-0.7	-1.19	0.16	0.88
SC6A1_RAT	P23978	5.43E+06	7.33E+06	5.96E+06	6.24E+06	4.45E+06	5.48E+06	5.42E+06	5.12E+06	0.3	1.19	0.16	0.88
KCC2D_RAT	P15791	2.81E+09	2.56E+09	2.16E+09	2.51E+09	1.30E+09	2.02E+09	2.35E+09	1.89E+09	0.4	1.18	0.16	0.88
E41L3_MOUSE	Q9WV92	2.75E+07	7.73E+07	1.10E+07	3.86E+07	3.34E+06	3.17E+06	7.50E+06	4.67E+06	3.0	1.18	0.16	0.88
2AAA_MOUSE	Q76MZ3	2.72E+07	3.77E+07	3.10E+07	3.20E+07	2.31E+07	1.37E+08	1.13E+08	9.10E+07	-1.5	-1.18	0.16	0.88
GBB2_RAT	P54313	2.15E+08	4.64E+08	4.55E+08	3.78E+08	1.27E+08	2.74E+08	2.56E+08	2.19E+08	0.8	1.18	0.17	0.88
CTND2_MOUSE	O35927	3.17E+07	2.69E+07	2.68E+07	2.84E+07	7.07E+06	1.60E+07	2.90E+07	1.74E+07	0.7	1.18	0.17	0.88
H2B1N_BOVIN	Q32L48	3.44E+08	7.54E+05	1.59E+08	1.68E+08	2.38E+06	6.16E+06	1.63E+06	3.39E+06	5.6	1.17	0.17	0.87
VAPB_RAT	Q9Z269	6.70E+06	5.08E+07	1.87E+07	2.54E+07	5.27E+06	2.84E+06	2.61E+06	3.57E+06	2.8	1.16	0.17	0.87
PPIA_RAT	P10111	3.23E+06	5.57E+06	3.37E+06	4.06E+06	3.70E+06	1.84E+06	1.77E+06	2.44E+06	0.7	1.16	0.18	0.87
DLGP1_RAT	P97836	7.82E+06	5.51E+08	4.27E+08	3.29E+08	1.37E+07	9.29E+07	7.00E+07	5.89E+07	2.5	1.15	0.18	0.87
LY6H_MOUSE	Q9WUC3	6.31E+07	7.38E+07	6.57E+07	6.76E+07	2.21E+07	5.08E+07	6.64E+07	4.64E+07	0.5	1.13	0.19	0.86
DLGP4_RAT	P97839	3.84E+06	5.50E+06	8.35E+06	5.90E+06	9.42E+06	7.06E+06	8.23E+06	8.23E+06	-0.5	-1.13	0.19	0.86
H2A1_RAT	P02262	8.03E+07	1.45E+08	1.82E+08	1.36E+08	1.39E+08	2.70E+08	2.28E+08	2.12E+08	-0.6	-1.13	0.19	0.86
KCC2A_RAT	P11275	6.16E+09	4.92E+09	3.91E+09	5.00E+09	2.40E+09	3.89E+09	4.46E+09	3.59E+09	0.5	1.13	0.19	0.86
NFM_RAT	P12839	3.82E+08	2.53E+08	2.02E+08	2.79E+08	1.96E+08	1.97E+08	1.95E+08	1.96E+08	0.5	1.12	0.20	0.85
CAZA2_RAT	Q3T1K5	1.43E+08	2.18E+08	1.76E+08	1.79E+08	7.56E+07	1.44E+08	1.60E+08	1.27E+08	0.5	1.12	0.20	0.85
KIF5C_MOUSE	P28738	2.52E+07	6.34E+06	5.15E+06	1.22E+07	3.60E+06	1.24E+06	1.65E+06	2.16E+06	2.5	1.11	0.20	0.85
NEB2_RAT	O35274	6.59E+06	1.65E+06	4.21E+05	2.88E+06	3.50E+07	7.53E+06	8.41E+06	1.70E+07	-2.6	-1.11	0.20	0.85
VATH_MOUSE	Q8BVE3	6.15E+07	4.12E+07	5.50E+07	5.26E+07	1.51E+07	3.81E+07	5.03E+07	3.45E+07	0.6	1.10	0.20	0.85
OPALI_HUMAN	Q96PE5	2.31E+06	2.19E+06	3.09E+06	2.53E+06	6.47E+05	1.41E+06	2.62E+06	1.56E+06	0.7	1.10	0.21	0.85
CNKR2_RAT	Q9Z1T4	3.92E+07	3.65E+07	1.52E+07	3.03E+07	1.22E+07	1.81E+07	2.33E+07	1.79E+07	0.8	1.10	0.21	0.85
SPTB2_MOUSE	Q62261	1.83E+09	2.03E+09	1.94E+09	1.93E+09	8.43E+08	1.71E+09	1.82E+09	1.46E+09	0.4	1.09	0.21	0.85

DLG4_RAT	P31016	2.35E+08	2.50E+08	2.88E+08	2.58E+08	1.72E+08	7.62E+08	6.38E+08	5.24E+08	-1.0	-1.09	0.21	0.84
NMDZ1_RAT	P35439	4.65E+07	2.82E+07	7.51E+07	4.99E+07	3.61E+07	1.27E+08	1.84E+08	1.16E+08	-1.2	-1.07	0.22	0.84
DLGP2_RAT	P97837	2.85E+07	1.09E+07	5.54E+06	1.50E+07	1.07E+07	5.25E+07	4.62E+07	3.65E+07	-1.3	-1.07	0.22	0.84
SEPT6_MOUSE	Q9R1T4	4.19E+07	9.24E+07	3.69E+07	5.71E+07	7.14E+06	1.67E+07	5.25E+07	2.54E+07	1.2	1.05	0.23	0.83
VAPA_RAT	Q9Z270	1.31E+07	5.92E+07	2.31E+07	3.18E+07	4.24E+05	1.19E+07	2.00E+07	1.07E+07	1.6	1.04	0.24	0.82
GSK3B_RAT	P18266	4.80E+06	7.35E+06	4.73E+06	5.63E+06	2.29E+06	4.87E+06	4.75E+06	3.97E+06	0.5	1.03	0.24	0.82
EAA2_RAT	P31596	2.01E+07	3.53E+07	2.30E+07	2.61E+07	1.30E+07	2.68E+07	9.55E+06	1.65E+07	0.7	1.03	0.24	0.82
GNAZ_RAT	P19627	1.01E+08	7.46E+07	9.82E+07	9.12E+07	8.83E+07	1.30E+08	1.15E+08	1.11E+08	-0.3	-1.02	0.25	0.82
RGS17_MOUSE	Q9QZB0	1.28E+07	9.44E+06	1.77E+07	1.33E+07	8.74E+06	8.60E+06	1.20E+07	9.78E+06	0.4	1.02	0.25	0.81
ECHA_RAT	Q64428	2.22E+07	1.76E+07	2.69E+07	2.22E+07	1.72E+07	4.00E+07	4.66E+07	3.46E+07	-0.6	-1.01	0.25	0.81
GBRB3_RAT	P63079	3.23E+06	6.59E+06	1.25E+06	3.69E+06	7.43E+05	2.54E+06	1.21E+06	1.50E+06	1.3	1.01	0.25	0.81
KCRU_RAT	P25809	4.12E+08	4.48E+08	4.28E+08	4.29E+08	3.49E+08	7.20E+08	7.03E+08	5.91E+08	-0.5	-1.01	0.25	0.81
CPNE4_HUMAN	Q96A23	2.36E+06	6.29E+06	3.47E+06	4.04E+06	9.71E+05	3.01E+06	2.83E+06	2.27E+06	0.8	1.01	0.26	0.81
KCC2B_MOUSE	P28652	4.01E+09	3.40E+09	2.55E+09	3.32E+09	1.57E+09	2.50E+09	3.31E+09	2.46E+09	0.4	1.00	0.26	0.81
CAMKV_RAT	Q63092	2.88E+07	3.20E+07	2.63E+07	2.90E+07	2.44E+07	1.55E+07	2.98E+07	2.32E+07	0.3	0.99	0.27	0.80
COX2_RAT	P00406	4.38E+05	3.57E+07	1.23E+07	1.62E+07	8.48E+06	6.49E+07	5.24E+07	4.19E+07	-1.4	-0.99	0.27	0.80
GABR2_RAT	O88871	3.09E+06	5.15E+06	3.40E+06	3.88E+06	1.86E+05	4.72E+07	1.73E+07	2.16E+07	-2.5	-0.99	0.27	0.80
ODPB_RAT	P49432	5.43E+06	5.10E+06	2.16E+06	4.23E+06	2.48E+06	9.99E+06	1.23E+07	8.25E+06	-1.0	-0.99	0.27	0.80
ODPB_RAT	P49432	5.43E+06	5.10E+06	2.16E+06	4.23E+06	2.48E+06	9.99E+06	1.23E+07	8.25E+06	-1.0	-0.99	0.27	0.80
LIPA3_RAT	Q91Z79	1.19E+08	4.12E+07	4.85E+08	2.15E+08	5.52E+06	5.52E+07	5.55E+07	3.87E+07	2.5	0.98	0.27	0.80
TMOD2_RAT	P70566	3.86E+07	8.59E+07	8.95E+07	7.14E+07	2.31E+07	6.33E+07	5.04E+07	4.56E+07	0.6	0.98	0.27	0.80
ARC1A_RAT	Q99PD4	5.65E+07	6.44E+07	4.38E+07	5.49E+07	5.17E+06	2.14E+07	6.56E+07	3.07E+07	0.8	0.98	0.27	0.80
QCR2_RAT	P32551	2.49E+06	1.62E+07	1.09E+06	6.61E+06	1.11E+06	4.76E+07	2.45E+07	2.44E+07	-1.9	-0.97	0.28	0.79
MYPR_RAT	P60203	4.36E+08	4.23E+08	3.48E+08	4.02E+08	2.53E+08	3.40E+08	4.13E+08	3.35E+08	0.3	0.97	0.28	0.79
MOG_RAT	Q63345	2.27E+08	1.32E+08	1.72E+08	1.77E+08	1.35E+08	1.36E+08	1.56E+08	1.42E+08	0.3	0.96	0.28	0.79
U626A_MOUSE	Q8C3Q5	7.74E+06	7.40E+06	8.30E+06	7.81E+06	5.53E+06	2.31E+07	1.37E+07	1.41E+07	-0.9	-0.96	0.28	0.79
ECHB_RAT	Q60587	1.03E+07	2.40E+07	8.02E+06	1.41E+07	1.09E+07	3.19E+07	3.05E+07	2.44E+07	-0.8	-0.96	0.29	0.79
CSKI1_RAT	Q8VHK2	1.67E+07	2.16E+07	1.76E+07	1.86E+07	1.12E+07	1.48E+07	1.94E+07	1.52E+07	0.3	0.96	0.29	0.79
REL3_RAT	Q8BFS3	8.99E+06	4.04E+06	9.42E+06	7.48E+06	4.08E+06	5.86E+06	5.79E+06	5.24E+06	0.5	0.96	0.29	0.79
SEPT7_RAT	Q9WVC0	1.50E+08	2.45E+08	1.84E+08	1.93E+08	9.55E+07	1.64E+08	1.80E+08	1.46E+08	0.4	0.95	0.29	0.79
GRIA4_HUMAN	P48058	1.26E+07	2.28E+07	2.70E+07	2.08E+07	8.10E+06	6.55E+07	5.39E+07	4.25E+07	-1.0	-0.94	0.30	0.78
TPM3_RAT	Q63610	2.15E+07	4.16E+07	1.29E+07	2.53E+07	1.41E+07	1.98E+07	1.02E+07	1.47E+07	0.8	0.93	0.30	0.78
SYN2_RAT	Q63537	7.54E+08	8.92E+08	9.57E+08	8.68E+08	5.49E+08	6.48E+08	9.39E+08	7.12E+08	0.3	0.93	0.30	0.78
ATAD3_RAT	Q3KRE0	6.10E+05	6.06E+07	9.62E+06	2.36E+07	1.75E+07	9.35E+07	6.26E+07	5.79E+07	-1.3	-0.93	0.30	0.78
MYH9_RAT	Q62812	9.92E+06	1.69E+07	2.72E+07	1.80E+07	5.46E+06	7.73E+06	1.82E+07	1.05E+07	0.8	0.93	0.30	0.78
PHB_RAT	P67779	1.92E+07	3.34E+07	4.11E+07	3.12E+07	2.05E+07	7.40E+07	5.94E+07	5.13E+07	-0.7	-0.92	0.31	0.77
DYL2_RAT	Q78P75	1.89E+07	4.94E+07	2.08E+07	2.97E+07	3.88E+05	2.20E+08	8.96E+07	1.03E+08	-1.8	-0.90	0.32	0.77
RAC1_RAT	Q6RUV5	4.70E+08	6.31E+08	4.99E+08	5.33E+08	2.24E+08	4.43E+08	5.58E+08	4.08E+08	0.4	0.90	0.32	0.77
SEP11_MOUSE	Q8C1B7	1.39E+08	2.26E+08	1.87E+08	1.84E+08	8.97E+07	1.37E+08	1.92E+08	1.40E+08	0.4	0.90	0.32	0.77
HSP7C_RAT	P63018	1.21E+09	1.21E+09	1.61E+09	1.34E+09	7.31E+08	1.07E+09	1.42E+09	1.07E+09	0.3	0.90	0.32	0.77
DLG3_RAT	Q62936	1.06E+08	1.01E+08	1.12E+08	1.06E+08	4.42E+07	7.24E+07	1.24E+08	8.01E+07	0.4	0.89	0.33	0.76
THIL_RAT	P17764	4.74E+07	1.10E+08	1.25E+08	9.40E+07	5.58E+07	2.07E+08	2.00E+08	1.54E+08	-0.7	-0.88	0.33	0.76
ABLM2_RAT	Q6KC51	2.95E+06	4.05E+06	7.17E+06	4.72E+06	1.77E+06	3.70E+06	3.95E+06	3.14E+06	0.6	0.88	0.33	0.76
KCD12_MOUSE	Q6WVG3	8.74E+07	2.41E+08	1.60E+08	1.63E+08	3.10E+07	1.36E+08	1.35E+08	1.01E+08	0.7	0.88	0.33	0.76
NCAM1_RAT	P13596	3.67E+07	3.46E+07	8.18E+07	5.11E+07	1.41E+07	2.97E+07	4.93E+07	3.10E+07	0.7	0.87	0.34	0.75
KPCG_RAT	P63319	1.75E+08	1.27E+08	6.69E+07	1.23E+08	3.58E+07	1.30E+08	6.93E+07	7.82E+07	0.7	0.87	0.34	0.75

MYL6_RAT	Q64119	7.71E+07	1.70E+08	8.47E+07	1.11E+08	1.17E+08	1.28E+08	4.04E+08	2.16E+08	-1.0	-0.87	0.34	0.75
FLOT2_RAT	Q9Z2S9	1.38E+07	7.81E+07	4.15E+07	4.45E+07	9.00E+06	1.46E+08	1.27E+08	9.41E+07	-1.1	-0.86	0.35	0.75
RPGF2_MOUSE	Q8CHG7	1.47E+06	2.06E+07	1.23E+06	7.76E+06	1.21E+05	2.30E+06	4.13E+05	9.46E+05	3.0	0.85	0.35	0.74
DCLK1_MOUSE	Q9JLM8	5.80E+07	5.44E+07	6.16E+07	5.80E+07	1.83E+07	5.21E+07	6.16E+07	4.40E+07	0.4	0.85	0.35	0.74
GNAI1_RAT	P10824	3.55E+08	4.70E+08	4.88E+08	4.37E+08	2.57E+08	3.70E+08	4.61E+08	3.62E+08	0.3	0.84	0.36	0.74
S12A5_RAT	Q63633	2.64E+06	8.31E+06	2.20E+06	4.38E+06	1.67E+06	2.93E+06	2.38E+06	2.33E+06	0.9	0.83	0.36	0.74
NDUA8_MOUSE	Q9DCJ5	4.06E+05	1.67E+06	5.82E+05	8.86E+05	2.50E+05	3.04E+06	2.19E+06	1.83E+06	-1.0	-0.83	0.36	0.74
EAA1_RAT	P24942	6.22E+06	2.37E+06	4.55E+06	4.38E+06	8.63E+06	5.36E+07	1.35E+06	2.12E+07	-2.3	-0.83	0.36	0.74
VATE1_RAT	Q6PCU2	8.25E+07	1.23E+08	1.02E+08	1.03E+08	3.47E+07	1.14E+08	8.04E+07	7.63E+07	0.4	0.83	0.36	0.73
CN37_RAT	P13233	4.50E+08	4.19E+08	3.59E+08	4.09E+08	2.63E+08	3.63E+08	4.32E+08	3.53E+08	0.2	0.83	0.37	0.73
GP158_MOUSE	Q8C419	4.62E+06	9.45E+06	7.82E+06	7.30E+06	2.38E+06	1.42E+07	3.05E+07	1.57E+07	-1.1	-0.82	0.37	0.73
KCNA1_RAT	P10499	1.60E+07	2.29E+07	1.34E+07	1.74E+07	5.95E+06	1.41E+07	1.82E+07	1.28E+07	0.4	0.82	0.37	0.73
ZO1_MOUSE	P39447	3.66E+05	5.18E+06	6.76E+05	2.07E+06	3.14E+06	2.16E+06	8.47E+06	4.59E+06	-1.1	-0.82	0.37	0.73
GRM7_RAT	P35400	4.41E+05	1.45E+06	1.24E+06	1.04E+06	7.09E+05	1.45E+06	1.52E+07	5.80E+06	-2.5	-0.82	0.37	0.73
IQEC2_MOUSE	Q5DU25	1.50E+07	5.04E+07	5.25E+07	3.93E+07	3.15E+07	7.56E+07	6.50E+07	5.74E+07	-0.5	-0.82	0.37	0.73
UN13A_RAT	Q62768	2.92E+06	9.42E+05	7.09E+06	3.65E+06	2.92E+06	9.53E+06	6.42E+06	6.29E+06	-0.8	-0.82	0.37	0.73
COR2B_MOUSE	Q8BH44	5.20E+06	3.26E+06	7.11E+06	5.19E+06	7.28E+05	5.12E+06	4.43E+06	3.42E+06	0.6	0.82	0.37	0.73
NDKA_RAT	Q05982	1.26E+07	3.05E+06	6.18E+06	7.27E+06	6.12E+06	1.32E+07	1.36E+07	1.10E+07	-0.6	-0.81	0.38	0.73
CAC1A_MOUSE	P97445	2.28E+04	7.30E+04	1.59E+05	8.49E+04	6.98E+04	8.03E+06	3.18E+04	2.71E+06	-5.0	-0.81	0.38	0.72
CD59_RAT	P27274	6.60E+07	1.13E+08	9.68E+07	9.20E+07	8.53E+07	1.20E+08	1.24E+08	1.10E+08	-0.3	-0.79	0.39	0.72
ATPB_RAT	P10719	1.43E+07	3.85E+07	2.94E+07	2.74E+07	2.02E+07	4.54E+07	5.05E+07	3.87E+07	-0.5	-0.79	0.39	0.72
VPP1_RAT	P25286	2.05E+08	3.42E+08	3.99E+08	3.15E+08	1.32E+08	3.51E+08	2.17E+08	2.33E+08	0.4	0.79	0.39	0.71
CLH_RAT	P11442	2.87E+07	6.64E+07	4.30E+07	4.60E+07	3.45E+07	4.92E+07	3.52E+08	1.45E+08	-1.7	-0.79	0.39	0.71
TOM20_RAT	Q62760	1.65E+07	1.68E+07	2.06E+07	1.80E+07	1.30E+07	1.34E+08	1.87E+07	5.51E+07	-1.6	-0.78	0.40	0.71
RP3A_RAT	P47709	1.00E+07	1.22E+07	9.49E+06	1.06E+07	3.84E+07	9.32E+06	1.08E+07	1.95E+07	-0.9	-0.78	0.40	0.71
ODP2_RAT	P08461	3.42E+06	6.74E+06	2.51E+06	4.22E+06	4.02E+06	1.89E+07	4.11E+06	9.00E+06	-1.1	-0.77	0.40	0.71
AP2B1_RAT	P62944	1.68E+08	1.35E+08	8.02E+07	1.28E+08	4.22E+07	1.17E+08	1.22E+08	9.37E+07	0.4	0.77	0.40	0.71
COX5A_RAT	P11240	2.35E+07	9.54E+07	3.99E+07	5.29E+07	1.60E+07	1.17E+08	1.54E+08	9.56E+07	-0.9	-0.76	0.41	0.70
GNAO_RAT	P59215	1.05E+09	1.43E+09	1.34E+09	1.27E+09	7.98E+08	1.21E+09	1.29E+09	1.10E+09	0.2	0.76	0.41	0.70
ANK2_MOUSE	Q8C8R3	7.13E+08	9.99E+08	8.77E+08	8.63E+08	4.88E+08	8.78E+08	8.24E+08	7.30E+08	0.2	0.75	0.42	0.70
KIF2A_RAT	Q9WV63	3.86E+07	5.66E+07	4.80E+07	4.77E+07	1.71E+07	5.04E+07	4.45E+07	3.74E+07	0.4	0.75	0.42	0.70
KIF2A_RAT	Q9WV63	3.86E+07	5.66E+07	4.80E+07	4.77E+07	1.71E+07	5.04E+07	4.45E+07	3.74E+07	0.4	0.75	0.42	0.70
MYH14_MOUSE	Q6URW6	1.74E+06	3.26E+06	2.95E+06	2.65E+06	3.51E+06	2.03E+06	5.14E+06	3.56E+06	-0.4	-0.75	0.42	0.70
OMGP_MOUSE	Q63912	1.09E+08	1.13E+08	1.31E+08	1.18E+08	9.70E+07	2.67E+08	1.30E+08	1.64E+08	-0.5	-0.74	0.42	0.69
CA2D1_RAT	P54290	3.52E+06	8.24E+06	3.05E+06	4.94E+06	2.64E+05	1.97E+06	6.15E+06	2.79E+06	0.8	0.74	0.42	0.69
NMDE2_MOUSE	Q01097	1.01E+08	1.13E+08	1.47E+08	1.20E+08	9.40E+07	1.58E+08	1.92E+08	1.48E+08	-0.3	-0.73	0.44	0.69
AP2M1_RAT	P84092	8.61E+07	8.08E+07	1.06E+08	9.09E+07	6.04E+07	5.84E+07	1.08E+08	7.55E+07	0.3	0.72	0.44	0.69
CLAP2_RAT	Q99JD4	4.65E+07	7.42E+07	7.90E+07	6.66E+07	1.40E+07	9.67E+07	1.24E+07	4.10E+07	0.7	0.72	0.44	0.68
ATPA_RAT	P15999	1.75E+08	8.40E+07	2.42E+08	1.67E+08	1.55E+08	1.22E+08	9.86E+07	1.25E+08	0.4	0.72	0.44	0.68
PACS1_RAT	O88588	2.71E+06	5.81E+06	6.03E+06	4.85E+06	4.62E+06	1.33E+07	4.55E+06	7.49E+06	-0.6	-0.72	0.44	0.68
SYN1_RAT	P09951	1.65E+09	2.01E+09	2.04E+09	1.90E+09	1.30E+09	1.65E+09	2.10E+09	1.68E+09	0.2	0.71	0.45	0.68
PLEC1_RAT	P30427	9.64E+07	5.12E+07	2.67E+07	5.81E+07	2.79E+07	1.13E+08	1.27E+08	8.93E+07	-0.6	-0.71	0.45	0.68
LANC1_RAT	Q9QX69	1.77E+06	3.14E+06	1.06E+06	1.99E+06	3.78E+06	1.62E+06	2.77E+06	2.72E+06	-0.5	-0.71	0.45	0.68
HOME1_RAT	Q9Z214	8.01E+07	1.15E+08	1.20E+08	1.05E+08	7.26E+07	1.45E+08	1.89E+08	1.35E+08	-0.4	-0.71	0.45	0.68
MAP1B_RAT	P15205	3.09E+08	4.21E+08	3.12E+08	3.47E+08	2.45E+08	3.43E+08	3.34E+08	3.07E+08	0.2	0.70	0.46	0.67
MYH10_RAT	Q9JLT0	8.36E+07	1.24E+08	1.70E+08	1.26E+08	4.87E+07	1.01E+08	1.39E+08	9.61E+07	0.4	0.69	0.46	0.67

PRIO_MOUSE	P04925	9.37E+07	1.27E+08	1.13E+08	1.11E+08	3.50E+07	1.09E+08	1.20E+08	8.80E+07	0.3	0.69	0.46	0.67
VDAC1_RAT	Q9Z2L0	2.73E+09	4.51E+09	3.68E+09	3.64E+09	2.50E+09	5.07E+09	6.42E+09	4.67E+09	-0.4	-0.69	0.46	0.67
CH60_RAT	P63039	3.44E+06	8.02E+06	4.95E+06	5.47E+06	1.33E+06	6.15E+06	3.32E+07	1.36E+07	-1.3	-0.68	0.46	0.67
U626B_MOUSE	Q3UH99	1.64E+07	4.26E+07	9.03E+07	4.97E+07	2.93E+06	5.87E+07	2.25E+07	2.80E+07	0.8	0.68	0.47	0.66
BSN_RAT	O88778	9.06E+08	1.14E+09	1.14E+09	1.06E+09	7.84E+08	1.41E+09	1.61E+09	1.27E+09	-0.3	-0.68	0.47	0.66
SAM50_RAT	Q6AXV4	7.95E+07	5.80E+07	4.34E+07	6.03E+07	3.22E+07	1.05E+08	1.07E+08	8.16E+07	-0.4	-0.67	0.47	0.66
SYN3_RAT	O70441	1.79E+07	2.81E+07	4.61E+07	3.07E+07	1.93E+07	2.57E+07	2.70E+07	2.40E+07	0.4	0.67	0.48	0.66
KAPCB_RAT	P68182	3.49E+07	3.41E+06	9.15E+06	1.58E+07	3.08E+06	1.39E+07	6.58E+06	7.85E+06	1.0	0.66	0.48	0.66
NEUM_RAT	P07936	8.18E+07	1.23E+08	1.30E+08	1.11E+08	6.93E+07	1.73E+08	1.85E+08	1.42E+08	-0.4	-0.66	0.48	0.66
H4_RAT	P62804	8.73E+08	4.15E+07	8.03E+07	3.32E+08	1.44E+08	1.21E+08	9.52E+07	1.20E+08	1.5	0.66	0.48	0.66
MTX2_MOUSE	O88441	6.21E+06	9.47E+06	5.62E+06	7.10E+06	1.11E+06	5.64E+06	8.70E+06	5.15E+06	0.5	0.66	0.48	0.66
GTR1_RAT	P11167	2.58E+07	5.02E+07	3.35E+07	3.65E+07	9.02E+06	4.92E+07	1.84E+07	2.55E+07	0.5	0.66	0.48	0.66
DYL1_RAT	P63170	1.65E+07	3.24E+07	2.18E+07	2.36E+07	3.63E+05	8.75E+07	4.22E+07	4.34E+07	-0.9	-0.66	0.48	0.65
MFF_MOUSE	Q6PCP5	4.37E+06	1.42E+07	8.98E+06	9.20E+06	5.33E+06	2.09E+07	1.36E+07	1.33E+07	-0.5	-0.65	0.49	0.65
ADT2_RAT	Q09073	1.77E+08	3.44E+08	3.94E+08	3.05E+08	2.48E+08	4.25E+08	4.51E+08	3.75E+08	-0.3	-0.65	0.49	0.65
GPDM_RAT	P35571	2.40E+07	4.42E+07	1.01E+07	2.61E+07	2.74E+05	2.93E+07	1.90E+07	1.62E+07	0.7	0.65	0.49	0.65
NFH_MOUSE	P19246	2.19E+08	1.44E+08	1.36E+08	1.66E+08	1.63E+08	1.13E+08	1.53E+08	1.43E+08	0.2	0.64	0.49	0.65
RIMS1_RAT	Q9JIR4	1.11E+07	6.97E+06	2.22E+08	8.00E+07	1.83E+06	4.11E+07	3.44E+07	2.58E+07	1.6	0.64	0.49	0.65
BAIP2_RAT	Q6GMN2	2.62E+08	4.10E+08	5.38E+08	4.03E+08	3.42E+08	3.30E+08	3.57E+08	3.43E+08	0.2	0.64	0.49	0.65
GLNA_RAT	P09606	8.27E+07	2.21E+08	2.58E+08	1.87E+08	4.27E+07	1.69E+08	1.92E+08	1.34E+08	0.5	0.64	0.50	0.65
AGAP2_RAT	Q8CGU4	8.98E+06	5.83E+06	4.63E+06	6.48E+06	5.76E+06	1.19E+07	6.88E+06	8.19E+06	-0.3	-0.64	0.50	0.64
DLGP3_MOUSE	Q6PFD5	3.04E+07	2.07E+07	3.83E+07	2.98E+07	1.90E+07	6.94E+07	3.57E+07	4.14E+07	-0.5	-0.63	0.50	0.64
NTRI_MOUSE	Q99PJ0	3.14E+07	7.70E+07	4.75E+07	5.20E+07	5.23E+06	2.84E+08	5.74E+07	1.15E+08	-1.2	-0.63	0.50	0.64
IMMT_MOUSE	Q8CAQ8	3.24E+08	4.11E+08	4.83E+08	4.06E+08	3.07E+08	5.25E+08	6.02E+08	4.78E+08	-0.2	-0.62	0.51	0.64
CALM_RAT	P62161	8.31E+07	9.56E+07	1.28E+08	1.02E+08	7.21E+07	1.60E+08	1.39E+08	1.24E+08	-0.3	-0.62	0.51	0.64
RHOG_MOUSE	P84096	3.44E+06	2.75E+06	5.61E+06	3.93E+06	2.95E+06	4.86E+05	5.01E+06	2.82E+06	0.5	0.61	0.51	0.63
SHAN2_RAT	Q9QX74	5.79E+08	4.08E+07	6.07E+07	2.27E+08	4.53E+07	9.50E+07	1.57E+08	9.90E+07	1.2	0.61	0.51	0.63
AP2A2_RAT	P18484	1.15E+08	2.15E+08	9.89E+07	1.43E+08	7.60E+07	6.03E+08	1.18E+08	2.65E+08	-0.9	-0.61	0.52	0.63
ARP3_RAT	Q4V7C7	8.61E+06	1.96E+07	6.44E+06	1.16E+07	6.90E+06	2.08E+07	1.97E+07	1.58E+07	-0.4	-0.60	0.52	0.63
MACF1_HUMAN	Q9UPN3	6.30E+05	4.23E+05	3.63E+06	1.56E+06	2.77E+06	1.55E+05	5.81E+06	2.91E+06	-0.9	-0.60	0.52	0.63
FLOT1_RAT	Q9Z1E1	2.28E+07	5.77E+07	4.33E+07	4.12E+07	1.40E+07	7.55E+07	8.55E+07	5.84E+07	-0.5	-0.60	0.52	0.63
IQEC1_MOUSE	Q8R0S2	2.87E+07	4.29E+07	1.95E+07	3.04E+07	2.49E+07	6.55E+07	3.04E+07	4.03E+07	-0.4	-0.59	0.53	0.62
HOME3_RAT	Q9Z2X5	6.32E+06	1.06E+07	1.47E+07	1.05E+07	8.70E+06	1.84E+07	1.21E+07	1.31E+07	-0.3	-0.58	0.54	0.62
IGSF8_MOUSE	Q8R366	3.66E+06	5.21E+06	7.67E+05	3.21E+06	2.89E+05	7.92E+05	4.71E+06	1.93E+06	0.7	0.58	0.54	0.62
GD1L1_MOUSE	Q8VE33	2.41E+06	1.22E+07	2.21E+06	5.62E+06	4.54E+06	1.08E+07	9.09E+06	8.16E+06	-0.5	-0.58	0.54	0.62
MYO1D_RAT	Q63357	9.46E+06	6.23E+05	5.53E+05	3.55E+06	3.23E+06	3.81E+06	1.15E+07	6.19E+06	-0.8	-0.57	0.54	0.62
PP2BB_RAT	P20651	4.06E+07	4.64E+07	2.24E+07	3.64E+07	1.73E+07	4.60E+07	2.38E+07	2.90E+07	0.3	0.57	0.55	0.61
OPA1_RAT	Q2TA68	7.29E+07	1.72E+08	1.03E+08	1.16E+08	3.42E+07	1.99E+08	2.60E+08	1.64E+08	-0.5	-0.57	0.55	0.61
STX1B_RAT	P61265	3.68E+07	2.79E+07	2.30E+07	2.92E+07	3.20E+07	5.83E+07	2.06E+07	3.70E+07	-0.3	-0.57	0.55	0.61
PRRT1_RAT	Q6MG82	1.05E+07	3.64E+07	2.78E+07	2.49E+07	2.73E+07	2.58E+07	3.86E+07	3.05E+07	-0.3	-0.57	0.55	0.61
KAP0_RAT	P09456	8.49E+07	6.56E+07	6.98E+05	5.04E+07	3.07E+06	2.10E+06	7.67E+07	2.73E+07	0.9	0.57	0.55	0.61
ENPP6_RAT	B0BND0	4.71E+07	4.67E+07	4.62E+07	4.67E+07	1.25E+07	4.88E+07	5.37E+07	3.84E+07	0.3	0.56	0.56	0.61
SYNPO_RAT	Q9Z327	7.98E+06	2.59E+06	2.24E+06	4.27E+06	3.32E+06	1.61E+07	2.52E+06	7.31E+06	-0.8	-0.55	0.56	0.61
OGT1_MOUSE	Q8CGY8	2.07E+06	7.29E+05	5.69E+05	1.12E+06	6.19E+04	5.68E+06	9.19E+05	2.22E+06	-1.0	-0.53	0.58	0.59
GRIA1_RAT	P19490	8.43E+07	1.80E+08	1.59E+08	1.41E+08	5.22E+07	1.46E+08	1.47E+08	1.15E+08	0.3	0.53	0.58	0.59
SYGP1_RAT	Q9QUH6	9.97E+08	1.10E+09	1.32E+09	1.14E+09	8.12E+08	1.40E+09	1.71E+09	1.31E+09	-0.2	-0.53	0.58	0.59

PGCB_RAT	P55068	1.50E+07	2.00E+06	2.21E+06	6.41E+06	3.89E+06	9.92E+06	1.52E+07	9.66E+06	-0.6	-0.53	0.58	0.59
ADDA_RAT	Q63028	1.08E+08	2.26E+08	6.82E+07	1.34E+08	2.93E+07	9.74E+07	1.65E+08	9.73E+07	0.5	0.52	0.58	0.59
LSAMP_RAT	Q62813	1.26E+08	1.51E+08	1.37E+08	1.38E+08	9.69E+07	1.95E+08	1.77E+08	1.56E+08	-0.2	-0.52	0.59	0.59
GRIA3_MOUSE	Q9Z2W9	3.11E+07	3.40E+07	3.42E+07	3.31E+07	1.16E+07	6.15E+07	5.34E+07	4.22E+07	-0.4	-0.52	0.59	0.59
TPIS_RAT	P48500	5.03E+07	3.09E+08	3.55E+08	2.38E+08	2.44E+08	2.91E+08	3.53E+08	2.96E+08	-0.3	-0.51	0.60	0.58
ERC2_RAT	Q8K3M6	1.44E+08	1.91E+08	2.43E+08	1.93E+08	1.14E+08	3.47E+08	2.43E+08	2.35E+08	-0.3	-0.51	0.60	0.58
GHC1_MOUSE	Q9D6M3	6.65E+08	2.38E+08	6.22E+08	5.08E+08	1.73E+08	5.07E+08	5.36E+08	4.05E+08	0.3	0.50	0.60	0.58
TAGL3_RAT	P37805	1.61E+07	8.38E+07	4.96E+07	4.98E+07	1.30E+07	1.12E+08	8.59E+07	7.02E+07	-0.5	-0.50	0.60	0.58
BIN1_RAT	O08839	2.83E+07	4.46E+07	2.25E+07	3.18E+07	1.40E+07	2.22E+07	4.14E+07	2.58E+07	0.3	0.50	0.60	0.58
ODO1_RAT	Q5XI78	6.27E+06	7.15E+06	7.69E+06	7.04E+06	3.54E+05	2.29E+07	9.03E+06	1.08E+07	-0.6	-0.50	0.60	0.58
ACTN1_RAT	Q9Z1P2	6.12E+07	4.39E+07	4.20E+07	4.90E+07	2.77E+07	1.19E+08	4.78E+07	6.49E+07	-0.4	-0.49	0.61	0.58
GIT1_RAT	Q9Z272	6.33E+06	1.67E+07	6.37E+06	9.81E+06	2.71E+06	1.26E+07	6.61E+06	7.30E+06	0.4	0.49	0.61	0.58
GFAP_RAT	P47819	9.74E+08	6.93E+08	7.71E+08	8.13E+08	5.66E+08	1.05E+09	1.16E+09	9.23E+08	-0.2	-0.49	0.61	0.57
CYFP2_MOUSE	Q5SQX6	6.67E+07	8.82E+07	5.64E+07	7.04E+07	4.21E+07	7.67E+07	6.95E+07	6.28E+07	0.2	0.48	0.62	0.57
A26CB_HUMAN	A5A3E0	1.95E+09	1.65E+09	2.38E+09	2.00E+09	1.14E+09	1.82E+09	2.36E+09	1.77E+09	0.2	0.47	0.62	0.57
NCAN_RAT	P55067	5.55E+07	4.23E+07	7.85E+07	5.88E+07	4.60E+07	8.54E+07	6.99E+07	6.71E+07	-0.2	-0.47	0.62	0.57
ICAM5_MOUSE	Q60625	1.89E+06	1.42E+07	6.56E+06	7.54E+06	3.97E+06	5.53E+06	7.20E+06	5.57E+06	0.4	0.47	0.62	0.57
ACTB_RAT	P60711	8.49E+09	1.01E+10	9.65E+09	9.42E+09	5.52E+09	1.02E+10	9.98E+09	8.57E+09	0.1	0.47	0.63	0.57
RS10_RAT	P63326	1.57E+06	5.94E+06	3.08E+06	3.53E+06	6.99E+05	7.78E+06	6.04E+06	4.84E+06	-0.5	-0.47	0.63	0.57
SHAN1_RAT	Q9WV48	8.26E+07	1.17E+08	1.83E+08	1.28E+08	8.65E+07	1.62E+08	2.03E+08	1.51E+08	-0.2	-0.45	0.64	0.56
LPPR4_RAT	Q7TMB7	4.25E+06	4.01E+07	2.00E+07	2.15E+07	1.69E+07	1.03E+07	2.09E+07	1.60E+07	0.4	0.44	0.64	0.56
KCNA3_RAT	P15384	1.05E+07	2.01E+07	9.83E+06	1.35E+07	3.28E+06	1.67E+07	1.27E+07	1.09E+07	0.3	0.44	0.64	0.55
NRN1_RAT	O08957	3.25E+07	1.95E+07	4.36E+07	3.19E+07	3.36E+07	4.91E+07	2.71E+07	3.66E+07	-0.2	-0.44	0.65	0.55
SEPT9_RAT	Q9QZR6	1.50E+07	5.64E+07	2.46E+07	3.20E+07	2.46E+06	7.57E+06	5.52E+07	2.17E+07	0.6	0.43	0.65	0.55
CSPG2_RAT	Q9ERB4	2.82E+07	8.74E+07	4.58E+07	5.38E+07	3.02E+07	6.10E+07	4.15E+07	4.42E+07	0.3	0.43	0.65	0.55
PCLO_RAT	Q9JKS6	1.47E+08	2.43E+08	2.30E+08	2.06E+08	6.58E+07	4.71E+08	2.57E+08	2.65E+08	-0.4	-0.43	0.66	0.55
SYNJ1_RAT	Q62910	9.53E+06	9.43E+06	8.43E+06	9.13E+06	1.56E+07	3.15E+06	2.58E+06	7.09E+06	0.4	0.43	0.66	0.55
PRR7_RAT	P0C6T3	3.67E+06	4.68E+06	4.44E+06	4.26E+06	2.44E+06	6.03E+06	6.11E+06	4.86E+06	-0.2	-0.42	0.66	0.55
CADH2_RAT	Q9Z1Y3	5.49E+06	1.53E+07	1.17E+07	1.08E+07	5.65E+06	1.50E+07	5.92E+06	8.84E+06	0.3	0.42	0.66	0.54
PP1B_RAT	P62142	1.47E+07	5.96E+06	5.97E+06	8.88E+06	1.53E+05	1.17E+07	2.59E+07	1.26E+07	-0.5	-0.41	0.67	0.54
AT1B1_RAT	P07340	1.42E+08	2.14E+08	1.64E+08	1.73E+08	8.01E+07	2.05E+08	1.75E+08	1.53E+08	0.2	0.41	0.67	0.54
AT1A1_RAT	P06685	2.80E+08	5.71E+08	4.66E+08	4.39E+08	1.95E+08	3.74E+08	5.61E+08	3.76E+08	0.2	0.41	0.67	0.54
KCNA2_RAT	P63142	1.05E+07	2.11E+07	9.83E+06	1.38E+07	3.28E+06	1.67E+07	1.42E+07	1.14E+07	0.3	0.39	0.68	0.53
MTCH2_MOUSE	Q791V5	1.34E+08	1.43E+08	1.31E+08	1.36E+08	9.16E+07	1.29E+08	2.49E+08	1.57E+08	-0.2	-0.39	0.69	0.53
LRFN6_MOUSE	Q68FM6	2.32E+07	3.57E+06	7.56E+06	1.15E+07	3.98E+06	1.19E+07	1.00E+07	8.65E+06	0.4	0.39	0.69	0.53
ABCB8_RAT	Q5RKI8	2.45E+07	1.00E+08	3.96E+06	4.29E+07	7.49E+06	3.68E+07	4.41E+07	2.95E+07	0.5	0.38	0.69	0.53
BASP_RAT	Q05175	7.41E+08	1.29E+09	1.17E+09	1.07E+09	7.05E+08	1.36E+09	1.52E+09	1.20E+09	-0.2	-0.38	0.69	0.53
LGI1_RAT	Q8K4Y5	7.56E+07	9.27E+07	3.59E+07	6.81E+07	3.81E+07	7.29E+07	6.89E+07	6.00E+07	0.2	0.36	0.71	0.52
SPTN2_RAT	Q9QWN8	3.28E+08	3.62E+08	5.25E+08	4.05E+08	2.59E+08	6.05E+08	4.94E+08	4.52E+08	-0.2	-0.36	0.71	0.52
KAPCA_RAT	P27791	8.75E+06	3.74E+07	1.16E+07	1.93E+07	3.08E+06	4.00E+07	3.18E+07	2.49E+07	-0.4	-0.35	0.71	0.51
G3P_RAT	P04797	8.14E+08	9.35E+08	8.01E+08	8.50E+08	5.18E+08	5.61E+08	1.21E+09	7.63E+08	0.2	0.34	0.72	0.51
CXA1_RAT	P08050	2.57E+08	3.24E+08	2.92E+08	2.91E+08	9.63E+07	3.41E+08	3.40E+08	2.59E+08	0.2	0.34	0.72	0.51
MAP1A_RAT	P34926	2.33E+08	3.56E+08	4.55E+08	3.48E+08	4.47E+08	2.51E+08	2.44E+08	3.14E+08	0.1	0.33	0.73	0.51
HPLN1_RAT	P03994	7.39E+07	3.40E+07	4.20E+07	5.00E+07	3.49E+07	7.59E+07	5.76E+07	5.61E+07	-0.2	-0.32	0.74	0.50
CISD1_RAT	B0K020	2.87E+07	7.88E+07	3.35E+07	4.70E+07	2.42E+07	5.20E+07	9.21E+07	5.61E+07	-0.3	-0.32	0.74	0.50
KAP3_RAT	P12369	9.16E+06	1.47E+07	6.69E+06	1.02E+07	6.67E+06	1.28E+07	1.48E+07	1.14E+07	-0.2	-0.32	0.74	0.50

DREB_RAT	Q07266	1.24E+07	1.71E+07	2.20E+07	1.72E+07	7.14E+06	3.02E+07	5.30E+06	1.42E+07	0.3	0.31	0.74	0.50
VIME_RAT	P31000	1.65E+08	5.66E+07	7.46E+07	9.88E+07	1.31E+08	6.42E+07	5.97E+07	8.49E+07	0.2	0.31	0.75	0.49
MYO5A_RAT	Q9QYF3	1.70E+08	3.21E+08	2.51E+08	2.47E+08	1.78E+08	4.26E+08	2.23E+08	2.76E+08	-0.2	-0.29	0.76	0.49
BASP_MOUSE	Q91XV3	2.42E+08	2.52E+08	3.26E+08	2.73E+08	2.47E+08	3.99E+08	2.31E+08	2.92E+08	-0.1	-0.29	0.77	0.49
DLG2_RAT	Q63622	1.61E+08	2.77E+08	5.61E+07	1.65E+08	1.20E+08	1.34E+08	1.77E+08	1.44E+08	0.2	0.29	0.77	0.49
NFASC_RAT	P97685	4.04E+08	7.46E+08	5.68E+08	5.73E+08	4.12E+08	3.54E+08	7.92E+08	5.19E+08	0.1	0.28	0.77	0.49
ADDB_RAT	Q05764	3.73E+07	7.53E+07	4.90E+07	5.39E+07	7.51E+06	6.16E+07	7.10E+07	4.67E+07	0.2	0.28	0.77	0.48
RIMB2_RAT	Q9JIR1	1.44E+07	2.60E+06	9.33E+06	8.79E+06	3.03E+05	2.39E+07	9.22E+06	1.11E+07	-0.3	-0.28	0.77	0.48
VA0D1_MOUSE	P51863	7.67E+07	4.38E+08	1.64E+08	2.26E+08	2.38E+08	1.13E+08	2.22E+08	1.91E+08	0.2	0.28	0.77	0.48
NMDE1_RAT	Q00959	8.31E+06	2.77E+07	4.02E+07	2.54E+07	6.26E+06	2.65E+07	3.23E+07	2.17E+07	0.2	0.27	0.78	0.48
CYB5B_RAT	P04166	1.49E+07	4.31E+07	2.09E+07	2.63E+07	1.52E+06	6.68E+07	2.92E+07	3.25E+07	-0.3	-0.27	0.78	0.48
VDAC2_RAT	P81155	2.01E+09	2.78E+09	2.53E+09	2.44E+09	1.55E+09	2.70E+09	3.65E+09	2.63E+09	-0.1	-0.27	0.78	0.48
CNTP1_RAT	P97846	3.17E+08	3.02E+08	1.80E+08	2.66E+08	9.39E+07	3.45E+08	2.84E+08	2.41E+08	0.1	0.26	0.79	0.48
PTPRS_RAT	Q64605	7.92E+06	3.64E+07	2.74E+07	2.39E+07	1.33E+07	3.81E+07	9.86E+06	2.04E+07	0.2	0.26	0.79	0.47
BEGIN_RAT	O88881	5.81E+06	1.89E+06	1.64E+07	8.03E+06	4.16E+06	1.59E+07	8.29E+06	9.45E+06	-0.2	-0.23	0.81	0.46
ACTN4_RAT	Q9QXQ0	5.29E+07	2.55E+07	2.45E+07	3.43E+07	6.81E+05	3.07E+07	9.31E+07	4.15E+07	-0.3	-0.23	0.82	0.46
SEPT2_RAT	Q91Y81	1.08E+07	7.31E+07	1.44E+07	3.27E+07	1.07E+06	1.74E+07	5.99E+07	2.61E+07	0.3	0.23	0.82	0.46
HXK1_RAT	P05708	1.03E+09	1.46E+09	1.62E+09	1.37E+09	6.84E+08	1.59E+09	2.19E+09	1.49E+09	-0.1	-0.22	0.82	0.46
RGRF1_RAT	P28818	2.03E+06	2.05E+06	8.71E+05	1.65E+06	1.92E+06	1.85E+06	8.00E+05	1.52E+06	0.1	0.22	0.82	0.46
ACSL6_RAT	P33124	5.13E+06	1.05E+07	4.18E+06	6.59E+06	4.83E+06	1.19E+07	1.69E+05	5.63E+06	0.2	0.22	0.82	0.46
LRRC7_RAT	P70587	4.14E+07	6.61E+08	2.02E+09	9.09E+08	6.42E+08	8.19E+08	8.46E+08	7.69E+08	0.2	0.22	0.82	0.46
SEPT5_MOUSE	Q9Z2Q6	4.04E+07	1.95E+08	9.67E+07	1.11E+08	6.59E+07	1.25E+08	1.08E+08	9.95E+07	0.2	0.21	0.83	0.45
SPTA2_RAT	P16086	4.38E+09	2.52E+09	2.42E+09	3.11E+09	1.71E+09	3.05E+09	3.95E+09	2.91E+09	0.1	0.20	0.83	0.45
SPA2L_MOUSE	Q8BNN1	1.09E+06	4.65E+05	1.62E+06	1.06E+06	4.32E+05	9.32E+05	1.51E+06	9.58E+05	0.1	0.20	0.84	0.45
COR1C_MOUSE	Q9WUM4	3.60E+06	1.34E+07	6.59E+07	2.76E+07	2.29E+07	2.75E+07	4.58E+07	3.21E+07	-0.2	-0.19	0.84	0.45
FYN_RAT	Q62844	5.26E+07	3.33E+07	3.65E+07	4.08E+07	2.27E+07	4.79E+07	4.53E+07	3.86E+07	0.1	0.19	0.84	0.45
CTNB1_RAT	Q9WU82	7.96E+07	1.45E+08	1.15E+08	1.13E+08	6.47E+07	1.18E+08	1.39E+08	1.07E+08	0.1	0.19	0.84	0.45
AT1A3_RAT	P06687	3.95E+08	9.21E+08	6.23E+08	6.46E+08	3.87E+08	6.92E+08	7.43E+08	6.08E+08	0.1	0.19	0.85	0.44
CHCH3_MOUSE	Q9CRB9	9.05E+07	1.09E+08	5.70E+07	8.56E+07	4.94E+07	1.12E+08	1.11E+08	9.08E+07	-0.1	-0.18	0.85	0.44
CAD13_MOUSE	Q9WTR5	1.33E+06	3.56E+06	4.31E+06	3.07E+06	2.02E+06	5.43E+06	2.56E+06	3.34E+06	-0.1	-0.18	0.85	0.44
MACF1_MOUSE	Q9QXZ0	6.19E+06	4.74E+06	1.14E+07	7.45E+06	2.82E+06	1.23E+07	5.33E+06	6.80E+06	0.1	0.17	0.86	0.44
CTNA2_MOUSE	Q61301	7.18E+07	5.37E+07	4.96E+07	5.84E+07	2.58E+07	6.73E+07	7.29E+07	5.53E+07	0.1	0.17	0.86	0.44
CD47_RAT	P97829	3.93E+07	9.83E+06	6.87E+07	3.93E+07	2.31E+07	3.52E+07	7.13E+07	4.32E+07	-0.1	-0.16	0.87	0.43
THY1_RAT	P01830	3.22E+08	8.12E+08	6.37E+08	5.90E+08	2.39E+08	7.51E+08	9.09E+08	6.33E+08	-0.1	-0.16	0.87	0.43
TOM22_MOUSE	Q9CPQ3	7.30E+06	3.02E+07	1.28E+07	1.68E+07	5.74E+06	2.08E+07	1.94E+07	1.53E+07	0.1	0.16	0.87	0.43
QCR1_RAT	Q68FY0	4.86E+06	1.41E+08	8.10E+07	7.55E+07	5.93E+07	8.16E+07	6.58E+07	6.89E+07	0.1	0.15	0.88	0.43
ACTBL_HUMAN	Q562R1	3.67E+09	4.35E+09	4.71E+09	4.24E+09	2.02E+09	5.48E+09	4.69E+09	4.06E+09	0.1	0.15	0.88	0.43
OPCM_RAT	P32736	3.74E+07	4.40E+07	7.99E+07	5.38E+07	7.52E+07	4.44E+07	4.95E+07	5.64E+07	-0.1	-0.15	0.88	0.43
DJC11_MOUSE	Q5U458	7.68E+06	2.52E+07	1.48E+07	1.59E+07	6.04E+06	1.73E+07	2.79E+07	1.71E+07	-0.1	-0.13	0.89	0.42
NDUA4_MOUSE	Q62425	2.11E+08	1.46E+08	1.41E+08	1.66E+08	1.35E+08	1.73E+08	1.78E+08	1.62E+08	0.0	0.13	0.89	0.42
MTCH1_MOUSE	Q791T5	4.35E+07	5.89E+07	5.26E+07	5.17E+07	1.76E+06	6.67E+07	7.63E+07	4.83E+07	0.1	0.13	0.89	0.42
CCG8_RAT	Q8VHW5	2.60E+06	2.40E+07	2.53E+07	1.73E+07	1.16E+07	1.38E+07	2.31E+07	1.61E+07	0.1	0.13	0.90	0.42
SHAN3_RAT	Q9JLU4	2.54E+07	7.33E+07	4.81E+07	4.89E+07	2.65E+07	4.96E+07	7.89E+07	5.17E+07	-0.1	-0.12	0.90	0.42
DLG1_RAT	Q62696	1.71E+07	1.45E+07	1.52E+07	1.56E+07	1.17E+07	7.68E+06	2.54E+07	1.49E+07	0.1	0.12	0.90	0.42
KCAB2_RAT	P62483	8.47E+05	1.31E+07	6.80E+06	6.91E+06	8.48E+05	1.11E+07	1.05E+07	7.48E+06	-0.1	-0.11	0.91	0.41
ABLM1_MOUSE	Q8K4G5	5.11E+06	1.07E+07	5.58E+07	2.39E+07	4.10E+05	5.52E+06	5.72E+07	2.10E+07	0.2	0.11	0.91	0.41

SUCB1_MOUSE	Q9Z2I9	1.24E+07	4.27E+06	7.47E+06	8.04E+06	1.92E+06	8.20E+06	1.56E+07	8.58E+06	-0.1	-0.11	0.91	0.41
WASF1_RAT	Q5BJU7	1.46E+07	3.54E+07	2.75E+07	2.58E+07	6.82E+06	3.20E+07	4.30E+07	2.73E+07	-0.1	-0.10	0.91	0.41
MINK1_MOUSE	Q9JM52	3.60E+07	3.02E+07	1.80E+07	2.80E+07	4.56E+06	4.54E+07	3.86E+07	2.95E+07	-0.1	-0.10	0.92	0.41
GRM5_RAT	P31424	2.12E+07	8.37E+06	6.99E+05	1.01E+07	4.17E+06	1.49E+07	9.07E+06	9.36E+06	0.1	0.10	0.92	0.41
CNTN1_RAT	Q63198	1.37E+09	1.56E+09	1.75E+09	1.56E+09	1.02E+09	1.84E+09	1.92E+09	1.59E+09	0.0	-0.10	0.92	0.41
NEGR1_RAT	Q9Z0J8	4.85E+07	4.81E+07	5.25E+07	4.97E+07	2.03E+07	7.10E+07	5.38E+07	4.84E+07	0.0	0.08	0.93	0.40
TMM11_RAT	B0BN86	9.43E+06	3.99E+06	2.43E+06	5.28E+06	8.14E+05	9.57E+05	1.29E+07	4.88E+06	0.1	0.08	0.93	0.40
GRIA2_RAT	P19491	9.73E+07	2.01E+08	1.58E+08	1.52E+08	7.69E+07	1.94E+08	1.99E+08	1.56E+08	0.0	-0.08	0.93	0.40
CMC1_MOUSE	Q8BH59	3.30E+07	9.40E+07	4.04E+07	5.58E+07	5.24E+07	4.36E+07	6.64E+07	5.41E+07	0.0	0.08	0.94	0.40
RASK_RAT	P08644	4.11E+05	2.13E+06	1.66E+07	6.37E+06	4.01E+06	9.93E+06	6.33E+06	6.76E+06	-0.1	-0.07	0.95	0.40
RLA2_RAT	P02401	1.30E+07	2.94E+07	2.19E+07	2.14E+07	3.59E+06	3.76E+07	2.07E+07	2.06E+07	0.1	0.06	0.95	0.40
AT1A2_RAT	P06686	2.72E+08	7.13E+08	5.03E+08	4.96E+08	3.01E+08	5.76E+08	5.79E+08	4.85E+08	0.0	0.06	0.95	0.40
RB6I2_RAT	Q811U3	1.12E+08	1.17E+08	1.46E+08	1.25E+08	8.52E+07	1.36E+08	1.49E+08	1.24E+08	0.0	0.05	0.96	0.39
VDAC3_RAT	Q9R1Z0	1.32E+09	1.63E+09	1.32E+09	1.42E+09	7.36E+08	1.46E+09	2.02E+09	1.40E+09	0.0	0.05	0.96	0.39
STXB1_RAT	P61765	1.95E+07	3.63E+08	4.97E+07	1.44E+08	2.82E+07	3.00E+07	3.51E+08	1.36E+08	0.1	0.04	0.96	0.39
SNIP_RAT	Q9QXY2	2.63E+08	4.05E+08	3.81E+08	3.49E+08	1.72E+08	4.71E+08	4.19E+08	3.54E+08	0.0	-0.04	0.96	0.39
PDE2A_RAT	Q01062	5.99E+06	2.47E+07	1.05E+08	4.52E+07	6.34E+06	8.74E+07	3.73E+07	4.37E+07	0.0	0.04	0.97	0.39
SNPH_MOUSE	Q80U23	4.56E+05	4.74E+06	1.25E+07	5.90E+06	8.19E+05	3.85E+05	1.61E+07	5.76E+06	0.0	0.02	0.98	0.38
AP2A1_MOUSE	P17426	6.35E+07	1.10E+08	1.29E+08	1.01E+08	8.30E+07	7.46E+07	1.43E+08	1.00E+08	0.0	0.02	0.99	0.38
UBIQ_RAT	P62989	5.12E+07	4.34E+07	6.60E+07	5.35E+07	3.57E+07	6.10E+07	6.40E+07	5.36E+07	0.0	0.00	1.00	0.38

ID	Molecules in Network	Score*
1	ACO2, adenosine-tetraphosphatase, ARHGEF6/7, ATP synthase, ATP5A1, ATP5B, ATP5J, ATP5O, ATP6V0A1, ATP6V0D1, ATP6V1A, ATP6V1B2, ATP6V1C1, ATP6V1E1, ATP6V1F, ATP6V1G1, ATP6V1H, BSN, CASKIN1, CPLX1, DLAT, DLD, DLST, ERC1, ERC2, GIT1, GPHN, H+-exporting ATPase, H+-transporting two-sector ATPase, IDH3B, MAP4, MTCH2, OGDH, PCLO, PDHB, PFN2, PI3K (complex), PIP4K2A, PPFIA2, PPFIA3 (includes EG:8541), Profilin, PTPRD, PTPRS, RAB10, RAB35, RAPGEF4, RIMS1, RIMS2, RPS10, SEPT2, SEPT3, SEPT4, SEPT5, SEPT6, SEPT7, SEPT8, SEPT9, SEPT11, Septin, SLC27A1, SNAP25, STXBP1, SYN1, SYN2, SYN3, TUBB2A, UBA52, UNC13A, Vacuolar H+ ATPase, VAMP2	94
2	3-hydroxyacyl-CoA dehydrogenase, ACAT1, acetyl-CoA C-acetyltransferase, Ant, AP-3, BCAS1, Beta Tubulin, CCDC92 (includes EG:80212), CNKSR2, CRMP, CRMP1, CYC1, Cytochrome bc1, Cytochrome c, Cytochrome c oxidase, Cytokeratin, DPYSL4, DYNLL1, EPHA4, FAM82A2, GAPDH (includes EG:2597), HADHA, HADHB, HSD17B10, Jnk, KRT5, KRT9, KRT10, LRRC59, MAP1LC3A, MAPK8IP3, MTCH1, NADH dehydrogenase, NADH2 dehydrogenase, NADH2 dehydrogenase (ubiquinone), NDUFA4, NDUFA8, NDUFA13, NDUFA10 (includes EG:678759), NDUFA9 (includes EG:362440), NDUFB10, NDUFC2, NDUFS1, NDUFS3, NDUFV1, NDUFV2, NDUFV3, OPA1, PACS1, PPP2R1A, RHOG, SLC25A3, SLC25A4, SLC25A6, SNPH, TFAM, TNIK, TOMM20, TOMM22, TOMM70A, TRIO, UQCRB, UQCRC2, UQCRFS1, VAPA, VAPB, VDAC1, VDAC2, VDAC3, VIM	82
3	ABI1, ABI2, ABI-2-CYFIP2-HSPC300-NCKAP1-WAVE, ACTN2, ACTR3, AKAP5, Ampa Receptor, Arp2/3, ARPC2, ARPC3, ARPC4, ARPC1A, ATP2B2, BAIAP2, C3ORF10, Camk, CAMK2A, CAMK2B, CaMKII, CORO1A, CYFIP2 (includes EG:26999), DLG1, DLG2, DLG3, DLG4, DLGAP1, DLGAP2, DLGAP3, DLGAP4, DNM3, DYNLL2, FCGR1A/2A/3A, FLOT1, FLOT2, G-Actin, GRI, GRIA, GRIA1, GRIA2, GRIA3, GRIA4, GRIN1, GRIN2A, GRIN2B, GRIP1, Guk, Homer, HOMER1, HOMER2, HOMER3, IRSp53-WAVE, ITPR, KALRN, KCNJ4, LRRC7, MAP1A, NCKAP1, NFkB (complex), NLGN2, NMDA Receptor, NPTN, PTPLAD1, SHANK1, SHANK2, SHANK3, SPTAN1, SYNGAP1, TMOD2, WASF1, WASF3	79
4	AAK1, ADAM11, ADAM22, ADAM23, Adaptor protein 2, ADD3, ANK2, ANK3, Ap1 gamma, Ap2 alpha, AP2A1, AP2A2, AP2B1, AP2M1, AP2S1, ATP1A1, ATP1A2, ATP1A3, ATP1B1, BCAN, Beta adaptin, BIN1, cacn, CACNA1A, CACNA1E, Cacna2d, CACNA2D1, CACNA2D3, Cacnb, CACNB1, CACNB2, CACNB3, CACNB4, CACNG8, Clathrin, CLTC, CNTN1, CNTNAP1, DBNL, DNM1, Dynamin, ERK1/2, FXYD7, GABAR-A, GABRB3, KCNA1, KCNA2, KCNA3, KCNAB2, L1CAM, LGI1, Metalloprotease, MYO6, N-type Calcium Channel, Na+,K+ -ATPase, Na-k-atpase, NCAN, Ncx, NFASC, RLN3, SCN2A, SGIP1, SNAP91, SPTBN4, STX1B, SYNJ1, Syntaxin, SYT1, SYT7, TNR	75
5	ABLIM1, ABLIM2, ACTB, Actin, ACTN4, ACTR1A, ADD1, ADD2, Adducin, AGAP2, Akt, Alpha Actinin, Alpha catenin, ANKS1B, Cadherin, Cadherin (E,N,P,VE), CAPZA2, CDH2, CDH13, CFL1, Cofilin, CORO2B, CPNE4, CTNNA2, CTNND2, DBN1, DCTN1, DCTN2, DPYSL2, DST, Dynein, EF-1 alpha, EPB41L3, Erm, F Actin, Fascin, Gamma tubulin, GNA12, GNAZ, INA, INPP4A, IQSEC1, ITPKA, JUP, KIAA1217, MARK4, Mlc, MYH9, MYH10, MYH14, MYL1, Myosin, NEFH, NEFL, NEFM, peptidase, PHACTR1, PKP4, PLEC, PP1 protein complex group, RAB15, Rock, RPH3A, SPTBN1, SPTBN2, SYNPO, THY1, TJP1, TPM3, Tropomyosin	64
	*Ingenuity Pathway Analysis calculates a score for each network that indicates the likelihood that this set of focus genes in a network could be explained by random chance alone. The score is generated by taking into account the number of network eligible molecules, the size of the network, and the total number of molecules in the Ingenuity knowledge base that can be included in networks. The score is calculated using a right-tailed Fisher's Exact Test and is displayed as the negative log of that p-value. A score of 6 indicates that there is a 1 in million chance of deriving this network due to random chance.	

Supplementary Table 5

Protein Name	Log2 fold change Lithium/ Control	Log2 fold change Valproate/ Control	Description
PCLO_RAT	0.3	-0.4	Protein piccolo
DLG4_RAT	-0.7	-1.0	Disks large homolog 4
DLG3_HUMAN	-0.2	0.4	Disks large homolog 3
DLG2_RAT	-0.4	0.2	Disks large homolog 2
SHAN1_RAT	-0.1	-0.2	SH3 and multiple anky repeat domains protein 1
SHAN3_RAT	0.2	-0.1	SH3 and multiple ankyrin repeat domains protein 3
HOME3_RAT	0.2	-0.3	Homer protein homolog 3
HOME1_RAT	-0.5	-0.4	Homer protein homolog 1