Supplementary Table 4. The list of 255 differentially expressed proteins between Tg-TRF and Tg-PO in hippocampus, medial prefrontal cortex, and striatum.

Protein accession	Protein names	Gene names	Average LFQ intensity (Log2)		Proteins expression	Number of peptides	Molecular weight (kDa)	Maxquant score	MS/MS count	*p*-value	*q*-value
			Tg-PO	Tg-TRF							
Hippocampus											
Q91Z67	SLIT-ROBO Rho GTPase-activating prc	Srgap2	21.5921	20.3197	↓	6	98.2780	34.7600	9	0.0397	0.3583
O70133	ATP-dependent RNA helicase A	Dhx9	24.7224	21.1241	↓	24	149.6200	323.3100	93	0.0475	0.3858
Q4ACU6	SH3 and multiple ankyrin repeat dom	Shank3	22.5317	21.2721	↓	11	192.2200	28.8590	24	0.0182	0.3218
P11352	Glutathione peroxidase;Glutathione p	Gpx1	21.9231	19.7086	↓	4	16.3530	4.9716	9	0.0005	0.1569
P12367	cAMP-dependent protein kinase type	Prkar2a	23.9268	25.4970	↑	15	43.1650	323.3100	111	0.0245	0.3102
A0A0A6YY47	Neural cell adhesion molecule 1	Ncam1	23.7663	19.8515	↓	26	93.4910	87.5990	12	0.0010	0.1597
O35343	Importin subunit alpha-3	Kpna4	19.8650	21.6317	↑	6	57.9220	9.9715	10	0.0160	0.3070
Q80TE7	Leucine-rich repeat-containing protei	Lrrc7	23.4280	21.0547	↓	12	156.6700	32.0130	30	0.0235	0.3126
P51410	60S ribosomal protein L9	Rpl9	22.5211	20.0484	↓	3	21.6220	6.0650	16	0.0076	0.2491
Q80Y17	Lethal(2) giant larvae protein homolo	Llgl1	21.0597	20.4204	↓	6	115.5600	13.6210	8	0.0183	0.3190
P55088	Aquaporin-4	Aqp4	24.1860	20.7137	↓	4	23.9380	69.2760	34	0.0042	0.2127
Q7TMF3	NADH dehydrogenase [ubiquinone] 1	Ndufa12	25.0324	26.6544	↑	9	17.3740	31.5590	107	0.0306	0.3275
Q9Z0H4	CUGBP Elav-like family member 2	Celf2	21.9550	23.0531	↑	8	46.6070	37.6740	23	0.0086	0.2646
P03911	NADH-ubiquinone oxidoreductase ch	Mtnd4	23.3776	20.3399	↓	3	51.8510	138.9000	14	0.0154	0.3026
P11627	Neural cell adhesion molecule L1	L1cam	23.6529	20.2250	↓	18	139.8200	143.6600	47	0.0006	0.1277
Q8BYM5	Neuroligin-3	Nlgn3	22.5201	19.8581	↓	9	91.1890	82.8750	18	0.0109	0.2815
Q80UP3	Diacylglycerol kinase;Diacylglycerol ki	Dgkz	22.0969	19.9108	↓	10	105.9000	31.1810	19	0.0186	0.3206
Q4KWH5	1-phosphatidylinositol 4,5-bisphosph	Plch2	21.7316	19.4592	↓	7	125.7800	14.7280	8	0.0002	0.0888
A2AQ25	Sickle tail protein	Etl4;Skt	21.0707	20.0336	↓	5	146.6100	9.3998	7	0.0415	0.3645
Q9QYR6	Microtubule-associated protein 1A;M	Map1a	29.2462	27.5513	↓	97	325.8800	323.3100	1231	0.0130	0.2976
Q9EQZ6	Rap guanine nucleotide exchange fac	Rapgef4	22.0603	20.2814	↓	9	99.5030	27.2530	11	0.0281	0.3155
Q9Z2H5	Band 4.1-like protein 1	Epb41l1	26.5951	24.7692	↓	29	98.2840	323.3100	183	0.0145	0.2982
Q11136	Xaa-Pro dipeptidase	Pepd	19.9982	22.0849	↑	7	55.0280	60.5220	13	0.0177	0.3227
P16546	Spectrin alpha chain, non-erythrocyti	Sptan1	31.5561	28.1141	↓	186	285.1800	323.3100	4509	0.0105	0.2853
Q5DU25	IQ motif and SEC7 domain-containing	Iqsec2	23.0429	19.6035	↓	13	128.0200	49.5980	16	0.0001	0.0828
Q9D7X3	Dual specificity protein phosphatase 3	Dusp3	23.7922	24.9870	↑	3	16.0130	41.3390	43	0.0299	0.3228
B1AQX6	SRC kinase-signaling inhibitor 1	Srcin1	25.9543	23.6056	↓	48	126.9900	323.3100	184	0.0005	0.1333

Q8BUN9	Solute carrier family 24 (sodium/pota	Slc24a2	22.9419	21.2921	↓	7	73.8110	71.7070	32	0.0103	0.2858
Q3UVX5	Metabotropic glutamate receptor 5	Grm5	23.0884	20.8126	↓	13	128.2700	50.1290	36	0.0109	0.2776
P14873	Microtubule-associated protein 1B;M	Map1b	28.2764	26.7010	↓	70	270.3000	323.3100	703	0.0427	0.3685
Q3ULJ0	Glycerol-3-phosphate dehydrogenase	Gpd1l	24.7650	23.6270	↓	13	38.2250	91.8970	77	0.0433	0.3683
Q91YM2	Rho GTPase-activating protein 35	Arhgap35	21.1661	19.8530	↓	5	135.1100	10.6190	9	0.0252	0.3111
O35927	Catenin delta-2	Ctnnd2	23.0225	20.8964	↓	17	132.3600	40.4260	42	0.0395	0.3646
O70589	Peripheral plasma membrane protein	Cask	23.5279	22.4586	↓	18	100.1900	59.2390	32	0.0361	0.3604
Q8BRT1	CLIP-associating protein 2	Clasp2	23.0463	20.2750	↓	19	140.7200	86.3590	31	0.0295	0.3202
P48193	Protein 4.1	Epb4.1l3	27.5509	25.6050	↓	51	101.4200	323.3100	392	0.0020	0.1512
Q91YT0	NADH dehydrogenase [ubiquinone] fl	Ndufv1	25.7316	26.9512	↑	24	49.9130	323.3100	335	0.0341	0.3467
D3YVF0	A-kinase anchor protein 5	Akap5	24.2529	21.4035	↓	14	80.2020	323.3100	47	0.0433	0.3703
P15116	Cadherin-2	Cdh2	22.8977	20.4116	↓	9	93.8560	60.6250	18	0.0289	0.3205
P21271	Unconventional myosin-Va	Myo5a	27.1816	22.5191	↓	78	212.3300	323.3100	358	0.0373	0.3543
Q9D710	Thioredoxin-related transmembrane	Tmx2	22.1412	19.7834	↓	3	29.5910	24.5440	18	0.0058	0.2217
Q811D0	Disks large homolog 1	Dlg1	22.2626	19.7032	↓	20	91.6220	130.2600	24	0.0240	0.3135
Q6NXK7	Inactive dipeptidyl peptidase 10	Dpp10	22.1213	20.6183	↓	15	89.9900	30.1060	21	0.0362	0.3593
Q9EPK7	Exportin-7	Xpo7	22.0600	20.7012	↓	10	123.9000	31.8750	11	0.0028	0.1901
Q64331	Unconventional myosin-VI	Myo6	22.6647	21.3355	↓	12	144.7700	38.5270	17	0.0125	0.2914
P28656	Nucleosome assembly protein 1-like :	Nap1l1	20.9446	22.9575	↑	6	42.7320	22.9530	20	0.0238	0.3135
Q9CXW4	60S ribosomal protein L11	Rpl11	23.1322	25.0374	↑	4	19.0240	20.4980	83	0.0167	0.3156
Q9QXL2	Kinesin-like protein KIF21A	Kif21a	24.4794	22.0716	↓	23	186.6300	251.0300	55	0.0276	0.3164
O55131	Septin-7	Sept7	26.4164	27.9131		21	50.6480	323.3100	457	0.0217	0.3109
O08788	Dynactin subunit 1	Dctn1	25.9386	22.5580	↓	35	139.7800	323.3100	150	0.0154	0.3062
Q8K303	2010300C02Rik protein	2010300C02F	23.6532	21.2567	↓	14	125.9100	46.1670	28	0.0014	0.1456
Q80TR1	Adhesion G protein-coupled receptor	Adgrl1	20.9648	19.3342	↓	7	162.2800	31.1340	13	0.0276	0.3146
Q9ESN9	C-Jun-amino-terminal kinase-interact	Mapk8ip3	21.4290	20.5038	↓	6	143.4100	7.9032	7	0.0064	0.2235
E9Q6P5	Tetratricopeptide repeat protein 7B	Ttc7b	22.3464	20.0678	↓	13	94.2020	44.9020	22	0.0293	0.3200
Q3TU36	RAP1, GTP-GDP dissociation stimulat	Rap1gds1	25.6036	26.8691	↑	29	66.0050	323.3100	316	0.0257	0.3123
Q9JKS5	Intracellular hyaluronan-binding prot	Habp4	19.6433	21.2254	↑	2	45.9650	3.8971	8	0.0087	0.2642
P55012	Solute carrier family 12 member 2	Slc12a2	22.2280	20.8581	↓	9	130.6700	48.5500	10	0.0134	0.2959
F6SEU4	Ras/Rap GTPase-activating protein Sy	Syngap1	27.1491	25.4608	↓	49	148.2400	323.3100	433	0.0053	0.2178
E0CX86	Amylo-1,6-glucosidase, 4-alpha-gluca	Agl	23.1420	21.0460	↓	19	174.2900	89.5230	46	0.0044	0.2139
Q9Z0J4	Nitric oxide synthase, brain	Nos1	22.0501	19.9672	↓	8	160.0500	53.7900	14	0.0158	0.3054

Q8CIE6	Coatomer subunit alpha	Copa	21.7004	20.5288	↓	10	138.5200	19.5360	15	0.0150	0.3043
Q8VEK3	Heterogeneous nuclear ribonucleopr	Hnrnpu	25.9533	23.1564	↓	19	86.8050	323.3100	160	0.0268	0.3146
O88643	Serine/threonine-protein kinase PAK	Pak1	24.1008	25.3397	↑	16	60.6070	301.7600	111	0.0279	0.3162
H3BKQ7	Protein phosphatase 1, regulatory sul	Ppp1r9a	22.1819	20.0479	↓	10	107.1700	73.8750	16	0.0205	0.3163
Q9JI46	Diphosphoinositol polyphosphate ph	Nudt3	24.9956	25.6151	↑	6	17.8280	35.2190	111	0.0192	0.3219
Q9QVP9	Protein-tyrosine kinase 2-beta	Ptk2b	25.8864	23.9960	↓	41	115.7900	323.3100	172	0.0205	0.3138
O08553	Dihydropyrimidinase-related protein	Dpysl2	30.8057	31.9912	↑	33	62.2770	323.3100	3467	0.0469	0.3824
O35136	Neural cell adhesion molecule 2	Ncam2	23.6185	20.0436	↓	11	93.2030	113.4500	17	0.0015	0.1283
O35226	26S proteasome non-ATPase regulatc	Psmd4	19.6681	22.1303	↑	5	40.0420	23.1270	7	0.0021	0.1564
O35633	Vesicular inhibitory amino acid transp	Slc32a1	24.0802	22.9702	↓	11	57.3800	50.1960	40	0.0360	0.3620
O54774	AP-3 complex subunit delta-1	Ap3d1	25.2768	22.4252	↓	27	135.0800	160.2400	88	0.0397	0.3621
O55106	Striatin	Strn	22.1906	20.3872	↓	7	85.9650	41.8120	21	0.0153	0.3064
O88737	Protein bassoon	Bsn	27.6786	25.2093	↓	87	418.8400	323.3100	404	0.0182	0.3248
P00397	Cytochrome c oxidase subunit 1	Mtco1	23.8725	20.2821	↓	3	56.9090	133.3800	25	0.0144	0.3007
P05064	Fructose-bisphosphate aldolase	Aldoa	31.1723	30.3571	↓	34	39.3550	323.3100	2320	0.0459	0.3802
P05213	Tubulin alpha-1B chain	Tuba1b	32.1332	33.4128	↑	34	50.1510	323.3100	8344	0.0223	0.3123
P08414	Calcium/calmodulin-dependent prote	Camk4	21.4381	22.7321	↑	6	52.5420	48.2530	13	0.0370	0.3585
P08551	Neurofilament light polypeptide	Nefl	26.7934	28.3365	↑	38	57.8250	323.3100	601	0.0117	0.2843
P10922	Histone H1.0	H1f0	25.2323	23.9206	↓	5	19.2530	34.4920	74	0.0430	0.3691
P18052	Receptor-type tyrosine-protein phosp	Ptpra	21.8747	19.8784	↓	6	89.8410	30.8560	8	0.0337	0.3475
P19246	Neurofilament heavy polypeptide	Nefh	25.5790	22.6881	↓	24	116.9900	323.3100	107	0.0015	0.1375
P20357	Microtubule-associated protein 2	Map2	29.8900	27.6300	↓	91	199.1300	323.3100	1393	0.0001	0.0601
P22723	Gamma-aminobutyric acid receptor s	Gabrg2	22.4042	20.7605	↓	5	51.8030	41.7640	13	0.0193	0.3204
P22892	AP-1 complex subunit gamma-1	Ap1g1	23.5680	21.9706	↓	17	91.7210	129.3100	56	0.0244	0.3116
P23116	Eukaryotic translation initiation facto	Eif3a	22.7653	19.8271	↓	18	161.9300	57.7430	34	0.0138	0.2998
P23242	Gap junction alpha-1 protein	Gja1	25.4538	23.7024	↓	8	49.5230	283.5500	71	0.0338	0.3455
P24549	Retinal dehydrogenase 1	Aldh1a1	21.1362	22.0863	↑	10	54.4670	27.2960	14	0.0477	0.3853
P26039	Talin-1	Tln1	22.2078	20.3077	↓	12	269.8300	18.8140	9	0.0292	0.3209
P26443	Glutamate dehydrogenase 1, mitocho	Glud1	27.7706	29.0757	↑	30	61.3360	323.3100	1066	0.0371	0.3552
P26638	Serine--tRNA ligase, cytoplasmic	Sars	23.5934	24.6869	↑	17	58.3580	185.4700	106	0.0179	0.3230
P28661	Septin-4	Sept4	21.1942	23.2038	↑	10	54.9350	76.8080	16	0.0402	0.3571
P28738	Kinesin heavy chain isoform 5C	Kif5c	24.9135	21.7885	↓	30	109.3000	251.0900	110	0.0133	0.2963
P30416	Peptidyl-prolyl cis-trans isomerase FK	Fkbp4	21.9028	24.2074	↑	16	51.5720	128.0500	43	0.0194	0.3179

P31324	cAMP-dependent protein kinase type	Prkar2b	22.0440	24.1503	↑	14	46.1670	256.7400	70	0.0068	0.2323
P31648	Sodium- and chloride-dependent GAE	Slc6a1	26.1869	23.8642	↓	8	67.1300	167.4500	84	0.0269	0.3127
P35293	Ras-related protein Rab-18	Rab18	23.0317	24.2038	↑	6	23.0350	12.5950	40	0.0265	0.3129
P40124	Adenylyl cyclase-associated protein 1	Cap1	26.3875	27.8986	↑	25	51.5500	323.3100	275	0.0235	0.3149
P43274	Histone H1.4	Hist1h1e	24.0787	20.8554	↓	5	21.9770	14.4380	67	0.0046	0.2121
P46471	26S protease regulatory subunit 7	Psmc2	21.6530	23.2951	↑	13	48.6840	117.3200	30	0.0309	0.3294
P46660	Alpha-internexin	Ina	27.3445	28.9103	↑	30	55.3820	323.3100	641	0.0204	0.3218
P49722	Proteasome subunit alpha type-2	Psma2	23.5584	25.1254	↑	9	27.5090	63.4600	72	0.0248	0.3109
P56480	ATP synthase subunit beta, mitochon	Atp5b	30.9659	32.2410	↑	29	56.3000	323.3100	3509	0.0223	0.3149
P61922	4-aminobutyrate aminotransferase, n	Abat	26.2625	27.6119	↑	27	56.4510	323.3100	332	0.0384	0.3607
P62814	V-type proton ATPase subunit B, brai	Atp6v1b2	28.5741	30.0459	↑	29	56.5500	323.3100	1406	0.0364	0.3591
P62889	60S ribosomal protein L30	Rpl30	20.2618	22.7813	↑	2	12.6560	8.1499	13	0.0206	0.3130
P68368	Tubulin alpha-4A chain	Tuba4a	27.8879	29.4744	↑	33	49.9240	323.3100	904	0.0204	0.3188
P70232	Neural cell adhesion molecule L1-like	Chl1	22.1327	19.7131	↓	7	135.0700	46.6260	13	0.0115	0.2877
P70663	SPARC-like protein 1	Sparcl1	21.4429	19.4710	↓	3	72.2990	6.2023	10	0.0213	0.3119
P80314	T-complex protein 1 subunit beta	Cct2	25.5920	27.0145	↑	32	57.4770	323.3100	213	0.0171	0.3153
P97315	Cysteine and glycine-rich protein 1	Csrp1	26.2753	27.2642	↑	7	20.5830	58.3420	108	0.0371	0.3568
P99024	Tubulin beta-5 chain	Tubb5	27.9315	29.5555	↑	29	49.6700	323.3100	559	0.0375	0.3547
Q03137	Ephrin type-A receptor 4	Epha4	23.6930	21.7442	↓	15	109.8100	95.9330	47	0.0082	0.2590
O08532	Voltage-dependent calcium channel s	Cacna2d1	25.0203	20.9373	↓	19	122.7000	294.4400	79	0.0106	0.2828
Q8K021	Secretory carrier-associated membra	Scamp1	25.0827	22.2358	↓	8	38.0280	248.3300	82	0.0045	0.2112
Q922B2	Aspartate--tRNA ligase, cytoplasmic	Dars	23.7317	24.7565	↑	22	57.1810	166.8400	91	0.0131	0.2964
Q3TPX4	Exocyst complex component 5	Exoc5	20.5746	21.0587	↑	6	81.7480	11.1610	8	0.0249	0.3104
Q6P1F6	Serine/threonine-protein phosphatas	Ppp2r2a	23.4924	25.4604	↑	13	51.6910	323.3100	100	0.0097	0.2838
Q64514	Tripeptidyl-peptidase 2	Tpp2	24.1315	21.2641	↓	27	138.3900	123.1600	68	0.0082	0.2638
Q91YD9	Neural Wiskott-Aldrich syndrome pro	Wasl	19.7653	22.0770	↑	6	44.5180	22.4970	12	0.0013	0.1726
Q9DC61	Mitochondrial-processing peptidase s	Pmpca	19.8593	21.9002	↑	8	57.7020	21.5970	13	0.0243	0.3127
Q9DBC7	cAMP-dependent protein kinase type	Prkar1a	21.6846	23.3377	↑	7	45.5260	27.9590	28	0.0445	0.3743
Q8R3S6	Exocyst complex component 1	Exoc1	21.3306	19.7364	↓	5	100.1900	10.2070	6	0.0108	0.2854
Q61316	Heat shock 70 kDa protein 4	Hspa4	26.9875	24.2960	↓	44	94.2080	323.3100	326	0.0355	0.3590
Q9QZF2	Glypican-1	Gpc1	23.4540	21.0429	↓	10	61.3590	82.5500	38	0.0447	0.3745
Q62446	Peptidyl-prolyl cis-trans isomerase FK	Fkbp3	22.9632	24.0986	↑	6	25.1470	12.9180	24	0.0463	0.3815
Q3UHD6	Sorting nexin-27	Snx27	20.2293	22.5130	↑	12	60.9880	51.1720	16	0.0452	0.3764

Q62283	Tetraspanin-7	Tspan7	22.6395	19.3686	↓	2	17.4780	10.2190	13	0.0015	0.1313
Q3UHJ0	AP2-associated protein kinase 1	Aak1	25.8758	24.0485	↓	30	103.3500	323.3100	172	0.0100	0.2877
Q3UMG4	Alpha-internexin	Ina	22.7383	24.2559	↑	19	37.2770	54.6890	49	0.0139	0.2969
Q3UMR5	Calcium uniporter protein, mitochonc	Mcu	23.2225	21.1850	↓	6	39.6810	50.3410	41	0.0367	0.3570
Q3UNH4	G protein-regulated inducer of neurit	Gprin1	25.4079	23.6688	↓	23	95.4950	323.3100	96	0.0487	0.3877
Q3UPL0	Protein transport protein Sec31A	Sec31a	23.5109	21.2918	↓	15	133.5700	130.4000	31	0.0489	0.3868
Q61885	Myelin-oligodendrocyte glycoprotein	Mog	26.3097	27.2723	↑	11	28.3740	323.3100	426	0.0234	0.3154
Q924M7	Mannose-6-phosphate isomerase	Mpi	19.2355	21.5463	↑	4	46.5130	16.3990	11	0.0062	0.2258
Q91V92	ATP-citrate synthase	Acly	25.6634	22.8444	↓	34	120.7900	323.3100	143	0.0094	0.2795
Q8K310	Matrin-3	Matr3	25.9342	23.4443	↓	27	94.6430	323.3100	164	0.0386	0.3609
Q4KMM3	Oxidation resistance protein 1	Oxr1	25.9823	24.8453	↓	32	95.9110	323.3100	190	0.0240	0.3112
Q4V9Z5	Seizure 6-like protein 2	Sez6l2	22.0553	20.1954	↓	5	97.5030	6.4659	7	0.0013	0.1534
Q8C0T5	Signal-induced proliferation-associate	Sipa1l1	21.9932	19.8551	↓	8	189.0100	28.9330	9	0.0124	0.2941
Q8R2S3	Nucleolar protein 3	Nol3	19.5118	21.4407	↑	3	24.6270	4.4225	6	0.0417	0.3626
Q60931	Voltage-dependent anion-selective cl	Vdac3	26.1343	26.4400	↑	10	30.8840	283.0200	306	0.0061	0.2274
Q91YQ5	Dolichyl-diphosphooligosaccharide--p	Rpn1	23.2098	22.7317	↓	12	68.3960	96.7620	40	0.0139	0.2942
Q5SUR0	Phosphoribosylformylglycinamidine s	Pfas	22.3831	21.1252	↓	9	144.6300	36.3580	14	0.0217	0.3136
Q5U3K5	Rab-like protein 6	Rabl6	21.6752	20.3315	↓	5	79.8300	5.3163	7	0.0039	0.2144
Q61361	Brevican core protein	Bcan	22.3029	20.7530	↓	5	95.8140	8.1324	19	0.0226	0.3106
Q61548	Clathrin coat assembly protein AP180	Snap91	28.2265	26.2768	↓	23	91.8500	323.3100	553	0.0259	0.3129
Q61699	Heat shock protein 105 kDa	Hsph1	25.7558	22.6268	↓	35	96.4060	323.3100	161	0.0050	0.2159
Q61753	D-3-phosphoglycerate dehydrogenas	Phgdh	24.6593	26.1770	↑	16	56.5850	323.3100	179	0.0396	0.3640
Q61941	NAD(P) transhydrogenase, mitochonc	Nnt	22.3305	19.8952	↓	7	113.8800	39.1670	16	0.0001	0.0438
Q62108	Disks large homolog 4	Dlg4	26.9257	25.4737	↓	29	80.4710	323.3100	302	0.0038	0.2188
Q64727	Vinculin	Vcl	22.2402	20.7244	↓	19	116.7200	117.0100	29	0.0275	0.3178
P12023	Amyloid beta A4 protein;N-APP;Solut	App	25.7404	24.6782	↓	16	78.4420	191.7700	107	0.0047	0.2110
Q6P9K8	Caskin-1	Caskin1	24.5058	22.0452	↓	24	150.4900	141.2800	55	0.0072	0.2399
Q6R891	Neurabin-2	Ppp1r9b	24.8799	22.0781	↓	19	89.5190	323.3100	68	0.0063	0.2238
Q6ZPE2	Myotubularin-related protein 5	Sbf1	24.9636	21.7436	↓	29	208.6900	113.5500	73	0.0041	0.2108
Q6ZPJ3	E2/E3 hybrid ubiquitin-protein ligase	Ube2o	23.5090	20.6261	↓	20	140.8300	129.1000	40	0.0484	0.3870
Q6ZQ38	Cullin-associated NEDD8-dissociated	Cand1	27.3371	24.5847	↓	47	136.3300	323.3100	361	0.0103	0.2897
Q791T5	Mitochondrial carrier homolog 1	Mtch1	21.9463	20.6450	↓	5	41.5650	10.6600	14	0.0482	0.3870
Q7TMB8	Cytoplasmic FMR1-interacting protein	Cyfip1	23.7975	21.0504	↓	29	145.2400	56.9110	46	0.0053	0.2148

P70175	Disks large homolog 3	Dlg3	24.3863	22.5570	↓	20	103.8300	220.1200	57	0.0322	0.3379
Q9Z218	Dipeptidyl aminopeptidase-like prote	Dpp6	26.0667	23.3461	↓	25	91.2130	323.3100	165	0.0050	0.2111
Q80X80	Phospholipid transfer protein C2CD2l	C2cd2l	21.8066	21.2030	↓	6	76.3280	39.0760	15	0.0226	0.3127
Q80Z38	SH3 and multiple ankyrin repeat dom	Shank2	24.3389	21.0803	↓	22	158.9700	121.7500	76	0.0017	0.1366
Q810U4	Neuronal cell adhesion molecule	Nrcam	26.1025	23.2677	↓	26	138.5200	323.3100	126	0.0039	0.2076
Q8BHL3	TBC1 domain family member 10B	Tbc1d10b	22.3121	21.0916	↓	8	87.2740	29.0390	24	0.0011	0.1551
Q8BKC5	Importin-5	Ipo5	23.5915	20.6712	↓	23	123.5900	172.7100	46	0.0335	0.3478
Q8BL66	Early endosome antigen 1	Eea1	22.5847	19.9298	↓	13	160.9100	80.5870	16	0.0201	0.3194
Q8C052	Microtubule-associated protein 1S;M	Map1s	21.9777	20.0759	↓	5	102.9400	11.7320	8	0.0008	0.1419
Q8CFX3	Protocadherin 1	Pcdh1	24.6191	22.1668	↓	15	112.4100	323.3100	63	0.0213	0.3135
Q8CGC7	Bifunctional glutamate/proline--tRNA	Eprs	23.5586	21.7009	↓	21	170.0800	69.7020	35	0.0398	0.3576
Q8CGF6	WD repeat-containing protein 47	Wdr47	22.6397	20.4553	↓	9	102.3100	106.1500	20	0.0252	0.3089
Q9QYC0	Alpha-adducin	Add1	27.5211	26.5319	↓	29	80.6230	323.3100	492	0.0399	0.3567
Q8R0Y6	Cytosolic 10-formyltetrahydrofolate c	Aldh1l1	25.0832	23.7758	↓	27	98.7080	289.3700	103	0.0197	0.3158
Q8R2R9	AP-3 complex subunit mu-2	Ap3m2	21.5200	22.8525	↑	9	46.9160	47.7030	29	0.0057	0.2253
Q8R464	Cell adhesion molecule 4	Cadm4	22.0527	23.5787	↑	8	42.7230	143.1600	40	0.0441	0.3731
Q8R5C5	Beta-centractin	Actr1b	23.1296	24.6136	↑	15	42.2810	282.0500	49	0.0229	0.3112
Q8VD37	SH3-containing GRB2-like protein 3-ir	Sgip1	24.8054	22.6916	↓	16	86.0620	314.8400	72	0.0006	0.1316
P97461	40S ribosomal protein S5	Rps5	22.2641	23.9053	↑	8	22.8760	14.5010	35	0.0397	0.3602
Q91WD5	NADH dehydrogenase [ubiquinone] ir	Ndufs2	26.0037	27.2259	↑	19	52.6250	323.3100	236	0.0223	0.3176
Q91X97	Neurocalcin-delta	Ncald	23.0666	19.4252	↓	8	22.2450	9.2659	15	0.0168	0.3135
Q91ZU6	Dystonin	Dst	22.4515	20.0950	↓	8	870.5200	17.6970	6	0.0366	0.3587
Q920P5	Adenylate kinase isoenzyme 5	Ak5	21.2855	23.3338	↑	11	63.3220	125.6900	32	0.0468	0.3836
Q922Q1	Mitochondrial amidoxime reducing c	Marc2	22.0643	20.3458	↓	8	38.1940	13.8270	18	0.0207	0.3111
Q99J08	SEC14-like protein 2	Sec14l2	21.1462	22.7585	↑	9	46.3000	25.9480	25	0.0314	0.3320
Q99JR1	Sideroflexin-1	Sfxn1	23.7774	21.1822	↓	9	35.6490	88.4650	47	0.0212	0.3156
Q9CQ60	6-phosphogluconolactonase	Pgls	22.6738	23.8849	↑	6	27.2540	13.4010	51	0.0391	0.3636
Q9CY27	Very-long-chain enoyl-CoA reductase	Tecr	22.5749	21.3244	↓	7	36.0900	26.9530	21	0.0262	0.3115
Q9CYT6	Adenylyl cyclase-associated protein 2	Cap2	24.6033	26.0758	↑	21	52.8610	323.3100	138	0.0119	0.2863
Q9CZS1	Aldehyde dehydrogenase X, mitochor	Aldh1b1	21.1752	22.4930	↑	12	57.5520	102.0700	24	0.0261	0.3130
Q9D2V7	Coronin-7	Coro7	21.8297	20.4897	↓	10	100.8100	34.9800	21	0.0028	0.1966
Q9D394	Protein RUFY3	Rufy3	23.2294	24.9330	↑	16	53.0060	185.5000	68	0.0038	0.2245
Q9D6F9	Tubulin beta-4A chain	Tubb4a	27.3070	28.6919	↑	31	49.5850	323.3100	562	0.0328	0.3426

Q9DCS9	NADH dehydrogenase [ubiquinone] 1	Ndufb10	24.6329	25.9190	↑	8	21.0240	86.9430	179	0.0196	0.3177
Q9EPL8	Importin-7	Ipo7	22.2880	20.1618	↓	20	119.4900	82.5870	51	0.0416	0.3635
Q9EPU0	Regulator of nonsense transcripts 1	Upf1	22.7620	20.4954	↓	12	123.9700	55.0880	19	0.0013	0.1603
Q9JKR6	Hypoxia up-regulated protein 1	Hyou1	24.6328	20.0623	↓	18	111.1800	102.6800	54	0.0014	0.1477
Q9JLN9	Serine/threonine-protein kinase mTO	Mtor	21.9528	19.9810	↓	13	288.7900	20.9650	14	0.0029	0.1860
Q9JME5	AP-3 complex subunit beta-2	Ap3b2	24.5886	22.8542	↓	26	119.1900	226.8000	70	0.0032	0.1996
Q9QXS6	Drebrin	Dbn1	26.2423	24.9040	↓	20	77.2860	323.3100	236	0.0190	0.3212
Q9QZB7	Actin-related protein 10	Actr10	19.9398	21.9093	↑	6	46.2070	12.7250	11	0.0115	0.2836
Q9Z1B3	1-phosphatidylinositol 4,5-bisphosph	Plcb1;mKIAA(	26.4601	22.5911	↓	51	138.3900	323.3100	224	0.0187	0.3191
S4R2F3	Ankyrin-2	Ank2	28.1126	25.7673	↓	99	429.1000	323.3100	825	0.0282	0.3142
S4R2K9	Ankyrin-3	Ank3	23.8545	20.6152	↓	29	284.6600	140.8500	50	0.0402	0.3554
Medial prefrontal cortex											
P16858	Glyceraldehyde-3-phosphate dehydro	Gapdh	32.8589	32.6852	↓	25	35.8100	323.3100	6278	0.0297	1.0000
F8VPK8	Protocadherin 9	Pcdh9	21.7526	20.5328	↓	3	114.3100	2.7182	4	0.0118	1.0000
Q9R257	Heme-binding protein 1	Hebp1	22.1974	20.3384	↓	4	21.0530	11.4420	14	0.0256	1.0000
Q8BHG1	Nardilysin	Nrd1	23.8767	23.3514	↓	10	127.7700	11.6300	19	0.0164	1.0000
Q921W4	Quinone oxidoreductase-like protein	Cryzl1	22.5016	22.7893	↑	7	37.0070	16.9890	34	0.0162	1.0000
O35435	Dihydroorotate dehydrogenase (quin	Dhodh	22.3345	21.5755	↓	6	30.3250	4.5604	9	0.0437	1.0000
P05480	Neuronal proto-oncogene tyrosine-pı	Src	24.4447	24.0632	↓	15	59.8900	54.4060	74	0.0019	1.0000
P18242	Cathepsin D	Ctsd	26.2221	26.5441	↑	13	44.3140	108.2500	264	0.0167	1.0000
Q8R3Q6	Coiled-coil domain-containing protei	Ccdc58	21.4350	20.5576	↓	2	15.6010	5.0845	12	0.0472	1.0000
O88848	ADP-ribosylation factor-like protein 6	Arl6	21.3368	20.6720	↓	4	21.0010	4.9567	8	0.0076	1.0000
P05202	Aspartate aminotransferase, mitocho	Got2	31.1999	31.2549	↑	34	47.4110	323.3100	2166	0.0426	1.0000
P30275	Creatine kinase U-type, mitochondria	Ckmt1	30.2691	30.3593	↑	23	47.0030	323.3100	1369	0.0214	1.0000
P39053	Dynamin-1	Dnm1	23.9394	24.1909	↑	71	97.8020	20.4170	83	0.0046	1.0000
P53986	Monocarboxylate transporter 1	Slc16a1	24.2388	24.6204	↑	5	38.1570	52.9930	38	0.0281	1.0000
P54071	Isocitrate dehydrogenase [NADP], mi	Idh2	26.6932	26.9367	↑	26	50.9060	211.3900	430	0.0331	1.0000
P62715	Serine/threonine-protein phosphatas	Ppp2cb	22.8473	22.2933	↓	17	35.5750	8.2895	25	0.0102	1.0000
Q99K46	Ubiquitin carboxyl-terminal hydrolase	Usp11	19.9471	20.6958	↑	5	62.9580	3.2552	6	0.0347	1.0000
Q8CC35	Synaptopodin	Synpo	27.4089	26.8814	↓	25	74.0160	323.3100	428	0.0021	1.0000
Q6ZPE2	Myotubularin-related protein 5	Sbf1	27.0061	26.5393	↓	50	208.6900	166.5800	267	0.0284	1.0000
Q8BG51	Mitochondrial Rho GTPase 1	Rhot1	24.3139	23.9038	↓	12	72.2410	21.1000	62	0.0324	1.0000
Q8C0D5	Elongation factor Tu GTP-binding don	Eftud1	21.8090	22.0936	↑	5	125.7800	8.5613	11	0.0492	1.0000

Q8CJ61	CKLF-like MARVEL transmembrane dc	Cmtm4	22.3762	21.0481	↓	3	22.9210	2.7952	14	0.0477	1.0000
Q8K183	Pyridoxal kinase	Pdxk	27.6171	27.7719	↑	19	35.0150	323.3100	539	0.0081	1.0000
Q91YR1	Twinfilin-1	Twf1	24.0090	23.4963	↓	13	40.0790	127.8100	63	0.0040	1.0000
Q99N96	39S ribosomal protein L1, mitochond	Mrpl1	20.1239	20.8557	↑	5	37.5960	12.2210	10	0.0042	1.0000
Q9CQZ6	NADH dehydrogenase [ubiquinone] 1	Ndufb3	24.9590	25.2090	↑	5	11.6910	23.1010	62	0.0076	1.0000
Q9EPK2	Protein XRP2	Rp2	22.6557	21.4243	↓	6	39.3760	6.7157	13	0.0081	1.0000
Q9JIA1	Leucine-rich glioma-inactivated prote	Lgi1	26.8522	27.0928	↑	20	63.6430	190.8700	360	0.0176	1.0000
Q9Z0V2	Potassium voltage-gated channel sub	Kcnd2	24.5449	24.9830	↑	8	70.5760	20.4220	55	0.0380	1.0000
Striatum											
P08553	Neurofilament medium polypeptide	Nefm	33.5688	33.1808	↓	54	95.9400	323.3100	1859	0.0347	1.0000
Q8K221	Arfaptin-2	Arfip2	25.2770	26.3581	↑	7	37.2880	39.3920	22	0.0275	1.0000
Q3UV70	[Pyruvate dehydrogenase [acetyl-trar	Pdp1	25.0366	25.2163	↑	7	61.1810	43.4720	19	0.0088	1.0000
P61982	14-3-3 protein gamma	Ywhag	33.0074	32.6723	↓	20	28.3020	323.3100	764	0.0261	1.0000
Q9WVJ2	26S proteasome non-ATPase regulatc	Psmd13	25.4592	26.5681	↑	17	42.8090	74.4550	56	0.0094	1.0000
Q4KUS2	Protein unc-13 homolog A	Unc13a	23.3540	24.2248	↑	4	195.8300	13.4200	10	0.0442	1.0000
O55234	Proteasome subunit beta type-5	Psmb5	27.6074	28.8890	↑	13	28.5320	109.3800	135	0.0482	1.0000
O88951	Protein lin-7 homolog B	Lin7b	23.3028	25.0623	↑	8	22.9140	18.1540	15	0.0242	1.0000
P27773	Protein disulfide-isomerase A3	Pdia3	30.1530	30.4468	↑	31	56.6780	323.3100	409	0.0269	1.0000
P35550	rRNA 2-O-methyltransferase fibrillari	Fbl;Fbll1	23.5825	24.9252	↑	3	34.3750	12.6930	18	0.0081	1.0000
P38060	Hydroxymethylglutaryl-CoA lyase, mi	Hmgcl	22.9821	24.4825	↑	4	34.1820	14.6690	8	0.0174	1.0000
P48678	Prelamin-A/C	Lmna	27.6148	27.8570	↑	27	74.2370	125.3500	90	0.0195	1.0000
P49615	Cyclin-dependent-like kinase 5	Cdk5	27.1310	27.4863	↑	14	33.2880	45.2680	111	0.0247	1.0000
Q99020	Heterogeneous nuclear ribonucleopr	Hnrnpab	26.6727	27.2352	↑	11	29.9220	39.5410	74	0.0175	1.0000
Q9DCZ4	Apolipoprotein O	Apoo	26.8222	25.8804	↓	7	18.8260	38.9850	47	0.0453	1.0000
Q9JII6	Alcohol dehydrogenase [NADP(+)]	Akr1a1	29.5011	29.7262	↑	18	36.5860	294.0200	287	0.0497	1.0000
Q6PAJ1	Breakpoint cluster region protein	Bcr	25.8736	25.2697	↓	14	143.0700	37.4960	19	0.0353	1.0000
Q80UU9	Membrane-associated progesterone	Pgrmc2	22.8681	24.6612	↑	6	23.3340	11.9730	18	0.0029	1.0000
Q8CI32	BAG family molecular chaperone regu	Bag5	24.2220	23.7082	↓	5	50.9420	16.5040	8	0.0416	1.0000
Q99LS3	Phosphoserine phosphatase	Psph	23.8721	26.0679	↑	5	25.0960	16.1250	24	0.0114	1.0000
Q9CZS1	Aldehyde dehydrogenase X, mitochor	Aldh1b1	26.6455	27.1041	↑	17	57.5520	86.7590	65	0.0447	1.0000
Q9DB27	Malignant T-cell-amplified sequence :	Mcts1	22.8452	24.9140	↑	3	20.5550	7.5063	12	0.0276	1.0000
Q9EPJ9	ADP-ribosylation factor GTPase-activa	Arfgap1	25.3449	25.7502	↑	7	44.2070	27.0250	29	0.0459	1.0000