

Supplementary Table S3: list of proteins identified in 4 out of 6 immunoprecipitation replicate experiments

Proteins identified in six replicate experiments are shown in bold.

Entry	Entry name	Protein names	Gene names	Organism	Length
P68510	1433F_MOUSE	14-3-3 protein eta	Ywhah	Mus musculus	246
P61982	1433G_MOUSE	14-3-3 protein gamma	Ywhag	Mus musculus	247
P68254	1433T_MOUSE	14-3-3 protein theta	Ywhaq	Mus musculus	245
P16330	CN37_MOUSE	2',3'-cyclic-nucleotide 3'-phosphodiesterase	Cnp Cnp1	Mus musculus	420
P48962	ADT1_MOUSE	ADP/ATP translocase 1	Slc25a4 Aac1 Anc1 Ant1	Mus musculus	298
P51881	ADT2_MOUSE	ADP/ATP translocase 2	Slc25a5 Aac2 Ant2	Mus musculus	298
Q91VR2	ATPG_MOUSE	ATP synthase subunit gamma, mitochondrial	Atp5f1c Atp5c1	Mus musculus	298
Q6WVG3	KCD12_MOUSE	BTB/POZ domain-containing protein KCTD12	Kctd12 Pfet1	Mus musculus	327
P28652	KCC2B_MOUSE	Calcium/calmodulin-dependent protein kinase type II subunit beta	Camk2b Camk2d	Mus musculus	542
Q0VF55	Q0VF55_MOUSE	Calcium-transporting ATPase	Atp2b3	Mus musculus	1220
Q1RLL3	CPNE9_MOUSE	Copine-9	Cpne9	Mus musculus	553
Q62425	NDUA4_MOUSE	Cytochrome c oxidase subunit NDUF4	Ndufa4	Mus musculus	82
O08553	DPYL2_MOUSE	Dihydropyrimidinase-related protein 2	Dpysl2 Crmp2 Ulip2	Mus musculus	572
P56564	EAA1_MOUSE	Excitatory amino acid transporter 1	Slc1a3 Eaat1 Gmt1	Mus musculus	543
P43006	EAA2_MOUSE	Excitatory amino acid transporter 2	Slc1a2 Eaat2 Glt1	Mus musculus	572
O35544	EAA4_MOUSE	Excitatory amino acid transporter 4	Slc1a6 Eaat4	Mus musculus	561
Q61625	GRID2_MOUSE	Glutamate receptor ionotropic, delta-2	Grid2	Mus musculus	1007
P16858	G3P_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase	Gapdh Gapd	Mus musculus	333
P62874	GBB1_MOUSE	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	Gnb1	Mus musculus	340
P62880	GBB2_MOUSE	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	Gnb2	Mus musculus	340
P18872	GNAO_MOUSE	Guanine nucleotide-binding protein G(o) subunit alpha	Gnao1 Gna0 Gnao	Mus musculus	354
P21279	GNAQ_MOUSE	Guanine nucleotide-binding protein G(q) subunit alpha	Gnaq	Mus musculus	359
Q99JP6	HOME3_MOUSE	Homer protein homolog 3 (Homer-3)	Homer3	Mus musculus	356
P11881	ITPR1_MOUSE	Inositol 1,4,5-trisphosphate receptor type 1	Itpr1 Insp3r Pcd6 Pcp1	Mus musculus	2749
Q7TNC9	I5P1_MOUSE	Inositol polyphosphate-5-phosphatase A	Inpp5a	Mus musculus	412
P97772	GRM1_MOUSE	Metabotropic glutamate receptor 1	Grm1 Gprc1a Mglur1	Mus musculus	1199

P35802	GPM6A_MOUSE	Neuronal membrane glycoprotein M6-a	Gpm6a M6a	Mus musculus	278
P99029	PRDX5_MOUSE	Peroxisomal oxidoreductase 5, mitochondrial	Prdx5 Prdx6	Mus musculus	210
Q8VEM8	MPCP_MOUSE	Phosphate carrier protein, mitochondrial	Slc25a3	Mus musculus	357
Q9ES52	SHIP1_MOUSE	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1	Inpp5d 7a33, Ship, Ship1	Mus musculus	1191
G5E829	AT2B1_MOUSE	Plasma membrane calcium-transporting ATPase 1	Atp2b1	Mus musculus	1220
O35449	PRRT1_MOUSE	Proline-rich transmembrane protein 1	Prrt1 Ng5	Mus musculus	306
P63318	KPCG_MOUSE	Protein kinase C gamma type	Prkcg Pkcc, Pkcg, Prkcc	Mus musculus	697
P35486	ODPA_MOUSE	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	Pdha1 Pdha-1	Mus musculus	390
Q8BW86	ARG33_MOUSE	Rho guanine nucleotide exchange factor 33	Arhgef33 Gm941	Mus musculus	850
Q64518	AT2A3_MOUSE	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	Atp2a3	Mus musculus	999
B1ATV3	B1ATV3_MOUSE	Short transient receptor potential channel 3	Trpc3 CT7-314H19.1-001	Mus musculus	910
P31648	SC6A1_MOUSE	Sodium- and chloride-dependent GABA transporter 1	Slc6a1 Gabt1, Gat-1, Gat1	Mus musculus	599
Q6PIE5	AT1A2_MOUSE	Sodium/potassium-transporting ATPase subunit alpha-2	Atp1a2	Mus musculus	1020
Q6PIC6	AT1A3_MOUSE	Sodium/potassium-transporting ATPase subunit alpha-3	Atp1a3	Mus musculus	1013
P14094	AT1B1_MOUSE	Sodium/potassium-transporting ATPase subunit beta-1	Atp1b1 Atp4b	Mus musculus	304
Q91V14	S12A5_MOUSE	Solute carrier family 12 member 5	Slc12a5 Kcc2 Kiaa1176	Mus musculus	1138
P46097	SYT2_MOUSE	Synaptotagmin-2	Syt2	Mus musculus	422
P61264	STX1B_MOUSE	Syntaxin-1B	Stx1b Stx1b1 Stx1b2	Mus musculus	288
P01831	THY1_MOUSE	Thy-1 membrane glycoprotein	Thy1 Thy-1	Mus musculus	162
P68369	TBA1A_MOUSE	Tubulin alpha-1A chain	Tuba1a Tuba1	Mus musculus	451
Q60932	VDAC1_MOUSE	Voltage-dependent anion-selective channel protein 1 (VDAC-1)	Vdac1 Vdac5	Mus musculus	296