

Title: Spinophilin regulates phosphorylation and interactions of the GluN2B subunit of the N-Methyl-D-Aspartate Receptor

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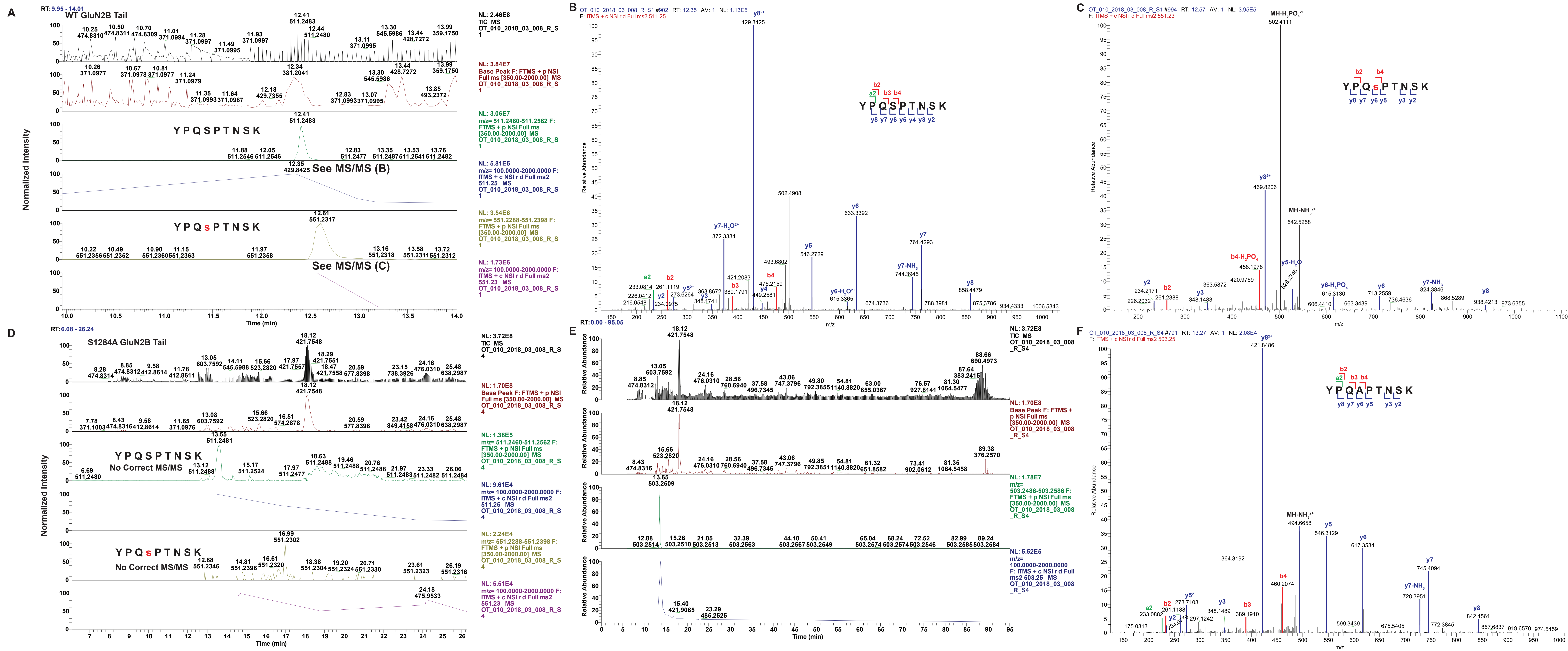
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Supplementary Figure 1



#	Visible?	Starred?	Identified Proteins (57)	Accession No. Alternate ID	Molecular W	Protein Grou	Taxonomy	P1	P2	P3	P4	P5
1	TRUE	Empty	Glutamate receptor ionotropic, NMDA 2B OS=Mus musculus GN=Grln2b PE=1 SV=1	G3X9V4_MOUSE (+1)	166 kDa	TRUE	unknown	126	151	74	56	155
2	TRUE	Empty	IQ motif and SEC7 domain-containing protein 2 OS=Mus musculus GN=lgsec2 PE=1 SV=1 (E9QAD8_MOUSE) IQ motif and SEC7 domain-containing protein 1 OS=Mus musculus GN=lgsec1 PE=1 SV=1	E9QAD8_MOUSE [3]	163 kDa	TRUE	unknown	87	108	55	29	147
3	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 2 OS=Mus musculus GN=Shank2 PE=1 SV=2 (SHAN2_MOUSE)	SHAN2_MOUSE [3]	159 kDa	TRUE	unknown	12	15	6	2	19
4	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 3 OS=Mus musculus GN=Shank3 PE=1 SV=1 (A0A0A0MQD5_MOUSE)	A0A0A0MQD5_MOUSE [2]	192 kDa	TRUE	unknown	78	96	53	34	124
5	TRUE	Empty	Glutamate receptor ionotropic, NMDA 2A OS=Mus musculus GN=Grln2a PE=1 SV=2	NMDE1_MOUSE	165 kDa	TRUE	unknown	36	44	24	12	54
10	TRUE	Empty	Leucine-rich repeat-containing protein 7 OS=Mus musculus GN=Lr7c7 PE=1 SV=1	A0A0G2JDT9_MOUSE (+3)	168 kDa	TRUE	unknown	35	54	23	13	49
11	TRUE	Empty	Calcium/calmodulin-dependent protein kinase type II subunit alpha OS=Mus musculus GN=Camk2a PE=1 SV=2 (KCC2A_MOUSE) Calcium/calmodulin-dependent protein kinase type II subunit delta OS=Mus musculus GN=Camk2d PE=1 SV=1	KCC2A_MOUSE [8]	54 kDa	TRUE	unknown	11	10	3	3	19
12	TRUE	Empty	Ras/Rap GTPase-activating protein SynGAP OS=Mus musculus GN=Syngap1 PE=1 SV=1 (J3QQ18_MOUSE)	J3QQ18_MOUSE [5]	145 kDa	TRUE	unknown	13	19	8	6	24
13	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 1 OS=Mus musculus GN=Shank1 PE=1 SV=1	D3YZU4_MOUSE (+2)	225 kDa	TRUE	unknown	3	6	2	1	6
14	TRUE	Empty	Unconventional myosin-Va OS=Mus musculus GN=Myo5a PE=1 SV=1 (D3YZ62_MOUSE)	D3YZ62_MOUSE [4]	212 kDa	TRUE	unknown	10	12	5	2	18
17	TRUE	Empty	Calcium/calmodulin-dependent protein kinase type II subunit beta OS=Mus musculus GN=Camk2b PE=1 SV=1 (QSSVI3_MOUSE) Calcium/calmodulin-dependent protein kinase type II subunit gamma OS=Mus musculus GN=Camk2g PE=1 SV=1	QSSVI3_MOUSE [3]	58 kDa	TRUE	unknown	9	10	7	2	16
18	TRUE	Empty	Homerin OS=Homo sapiens GN=HRNR PE=1 SV=2	sp Q86YZ3 HORN_HUMA ?		unknown		13	10	0	0	10
20	TRUE	Empty	Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1	sp P60709 ACTB_HUMAN ?		unknown		3	6	2	2	11
21	TRUE	Empty	Alpha-S2-casein CONTAMINANT OS=Bos taurus GN=CSN1S2 PE=1 SV=2	CASA2_BOVIN	26 kDa	unknown		2	2	1	1	5
22	TRUE	Empty	Myelin basic protein (Fragment) OS=Mus musculus GN=Mbp PE=1 SV=1	F6RT34_MOUSE (+1)	23 kDa	unknown		3	4	2	2	1
23	TRUE	Empty	Kappa-casein CONTAMINANT OS=Bos taurus GN=CSN3 PE=1 SV=1	CASK_BOVIN	21 kDa	unknown		2	1	1	0	2
24	TRUE	Empty	Disks large-associated protein 1 OS=Mus musculus GN=Dlgap1 PE=1 SV=3	DLGP1_MOUSE	110 kDa	TRUE	unknown	2	1	0	0	1
25	TRUE	Empty	Disks large-associated protein 4 OS=Mus musculus GN=Dlgap4 PE=1 SV=1	B7ZNS2_MOUSE (+1)	106 kDa	TRUE	unknown	1	1	2	0	2
26	TRUE	Empty	Disks large-associated protein 2 OS=Mus musculus GN=Dlgap2 PE=1 SV=2	DLGP2_MOUSE (+1)	119 kDa	TRUE	unknown	2	3	0	0	4
27	TRUE	Empty	Laminin subunit beta-2 OS=Mus musculus GN=Lamb2 PE=1 SV=2	LAMB2_MOUSE	197 kDa	TRUE	unknown	1	3	1	0	2
28	TRUE	Empty	Citron Rho-interacting kinase OS=Mus musculus GN=Cit PE=1 SV=3	CTRO_MOUSE (+5)	235 kDa	unknown		2	2		0	1
29	TRUE	Empty	Disks large homolog 4 OS=Mus musculus GN=Dlg4 PE=1 SV=1	DLG4_MOUSE (+1)	80 kDa	unknown		1	2	1	0	1
30	TRUE	Empty	Kalirin OS=Mus musculus GN=Kalrn PE=1 SV=1	A0A0A0MQF1_MOUSE (+ 219 kDa)		unknown		1	1		0	2
31	TRUE	Empty	Cluster of Neurofilament heavy polypeptide OS=Homo sapiens GN=NEFH PE=1 SV=4 (sp P12036 NFH_HUMAN)	sp P12036 NFH_HUMAN ?		unknown		1	1		0	3
32	TRUE	Empty	Cluster of Sodium/potassium-transporting ATPase subunit alpha OS=Mus musculus GN=Atp1a3 PE=1 SV=1 (A0A0G2JGX4_MOUSE)	A0A0G2JGX4_MOUSE [9]	113 kDa	TRUE	unknown	0				3
33	TRUE	Empty	Tubulin alpha-1C chain OS=Mus musculus GN=Tuba1c PE=1 SV=1	TBA1_MOUSE (+3)	50 kDa	unknown						4
34	TRUE	Empty	Reticulon-4 OS=Mus musculus GN=Rtn4 PE=1 SV=2	RTN4_MOUSE	127 kDa	unknown						2
35	TRUE	Empty	KCC2a-S25 variant 1 OS=Mus musculus GN=Slc12a5 PE=1 SV=1	A0A076FR46_MOUSE (+1)	126 kDa	unknown						2

Name				WT	KO	WT	KO	WT	KO	WT	KO
Actin, cytoplasmic 1 (Fragment) OS=Mus musculus GN=Actb PE=1 SV=1					10	7	2	4	5	4	4
Actin, cytoplasmic 2 OS=Mus musculus GN=Actg1 PE=1 SV=1 (ACTG_MOUSE)	ACTG_MOUSE [2]	42 kDa	TRUE	unknown	14	6	1	2	7	3	3
ADP/ATP translocase 1 OS=Mus musculus GN=Slc25a4 PE=1 SV=4	ADT1_MOUSE	33 kDa		unknown	4	1	1				
Ankyrin repeat and sterile alpha motif domain-containing protein 1B OS=Mus musculus GN=Anks1b PE=1 SV=1	A0A0R4J2A6_MOUSE (+6)	48 kDa		unknown	3	6	7	1	3		
Brain-enriched guanylate kinase-associated protein OS=Mus musculus GN=Begain PE=1 SV=1	A0A1B0GT88_MOUSE (+2)	89 kDa		unknown	4	2	5	3			
Brain-specific angiogenesis inhibitor 1-associated protein 2 OS=Mus musculus GN=Baiap2 PE=1 SV=1	B1AZ46_MOUSE (+1)	58 kDa		unknown	45	25	26	31	19	5	
Calcium/calmodulin-dependent protein kinase type II subunit alpha OS=Mus musculus GN=Camk2a PE=1 SV=2 (KCC2_KCC2A_MOUSE [5])		54 kDa	TRUE	unknown	49	54	38	48	43	41	41
Calcium/calmodulin-dependent protein kinase type II subunit beta OS=Mus musculus GN=Camk2b PE=1 SV=2					28	26	16	29	19	20	
Calcium/calmodulin-dependent protein kinase type II subunit delta OS=Mus musculus GN=Camk2d PE=1 SV=1					21	23	25	18	13	15	15
Calcium/calmodulin-dependent protein kinase type II subunit gamma OS=Mus musculus GN=Camk2g PE=1 SV=1 (K0_KCC2G_MOUSE [4])		60 kDa	TRUE	unknown	16	19	13	15	12	13	13
Citron Rho-interacting kinase OS=Mus musculus GN=Cit PE=1 SV=3	CTRO_MOUSE (+5)	235 kDa		unknown		2		0	2		
Cluster of Neurofilament heavy polypeptide OS=Homo sapiens GN=NEFH PE=1 SV=4 (sp P12036 NFH_HUMAN)	sp P12036 NFH_HUMAN ?		TRUE	unknown		1		0	3		
Cluster of Sodium/potassium-transporting ATPase subunit alpha OS=Mus musculus GN=Atp1a3 PE=1 SV=1 (A0A0G2.A0A0G2JGX4_MOUSE [9])		113 kDa	TRUE	unknown		0			4		
Disks large homolog 4 OS=Mus musculus GN=Dlg4 PE=1 SV=1 (DLG4_MOUSE)	DLG4_MOUSE [6]	80 kDa	TRUE	unknown	98	60	68	102	42	44	44
Disks large homolog 2 OS=Mus musculus GN=Dlg2 PE=1 SV=2					35	18	25	42	15	18	18
Disks large-associated protein 1 OS=Mus musculus GN=Dlgap1 PE=1 SV=3 (DLGP1_MOUSE)	DLGP1_MOUSE [2]	110 kDa	TRUE	unknown	11	12	18	3	2	2	2
Disks large-associated protein 2 OS=Mus musculus GN=Dlgap2 PE=1 SV=2	DLGP2_MOUSE (+1)	119 kDa	TRUE	unknown	12	10	6	1	2		
Disks large-associated protein 3 OS=Mus musculus GN=Dlgap3 PE=1 SV=1	B1AS06_MOUSE (+1)	105 kDa		unknown	12	11	3	20	6	5	5
Disks large-associated protein 4 OS=Mus musculus GN=Dlgap4 PE=1 SV=1	B7ZNS2_MOUSE (+1)	106 kDa	TRUE	unknown	15	8	8	2	4		
Glutamate receptor ionotropic, NMDA 1 OS=Mus musculus GN=Grin1 PE=1 SV=1	A2AI21_MOUSE (+1)	108 kDa		unknown	8	22	27	7	2	6	6
Glutamate receptor ionotropic, NMDA 2A OS=Mus musculus GN=Grin2a PE=1 SV=2	NMDE1_MOUSE	165 kDa	TRUE	unknown	35	54	23	13	49	8	8
Glutamate receptor ionotropic, NMDA 2B OS=Mus musculus GN=Grin2b PE=1 SV=1	G3X9V4_MOUSE (+1)	166 kDa	TRUE	unknown	133	160	76	65	161	49	49
Homer protein homolog 1 OS=Mus musculus GN=Homer1 PE=1 SV=2	HOME1_MOUSE	41 kDa	TRUE	unknown	26	17	20	26	13	12	12
Hornerin OS=Homo sapiens GN=HRNR PE=1 SV=2	sp Q86YZ3 HORN_HUMA ?			unknown	9	2	0	3	4	3	3
IQ motif and SEC7 domain-containing protein 1 OS=Mus musculus GN=Iqsec1 PE=1 SV=1					22	21	9	9	19	3	3
IQ motif and SEC7 domain-containing protein 2 OS=Mus musculus GN=Iqsec2 PE=1 SV=3	IQEC2_MOUSE	162 kDa	TRUE	unknown	118	116	68	53	149	30	30
Kalirin OS=Mus musculus GN=Kalrn PE=1 SV=1	A0A0A0MQF1_MOUSE (+219 kDa)			unknown	1	1		0	2		
Kappa-casein CONTAMINANT OS=Bos taurus GN=CSN3 PE=1 SV=1	CASK_BOVIN	21 kDa		unknown	2	1	0	0	1	0	0
KCC2a-S25 variant 1 OS=Mus musculus GN=Slc12a5 PE=1 SV=1	A0A076FR46_MOUSE (+1)	126 kDa		unknown					2		
Laminin subunit beta-2 OS=Mus musculus GN=Lamb2 PE=1 SV=2	LAMB2_MOUSE	197 kDa	TRUE	unknown		2		0	1	0	0
Leucine-rich repeat-containing protein 7 OS=Mus musculus GN=Lrrc7 PE=1 SV=1	A0A0G2JDT9_MOUSE (+3)	168 kDa	TRUE	unknown	11	10	3	3	19	2	2
Myelin basic protein (Fragment) OS=Mus musculus GN=Mbp PE=1 SV=1 (F6RWW8_MOUSE)	F6RWW8_MOUSE [2]	16 kDa	TRUE	unknown	13	7	3	6	2	1	1
Protein Rasal2 OS=Mus musculus GN=Rasal2 PE=1 SV=1					7		5	6	4	2	2
Ras/Rap GTPase-activating protein SynGAP OS=Mus musculus GN=Syngap1 PE=1 SV=2 (SYGP1_MOUSE)	SYGP1_MOUSE [5]	148 kDa	TRUE	unknown	88	59	55	72	50	36	36
Reticulon-4 OS=Mus musculus GN=Rtn4 PE=1 SV=2	RTN4_MOUSE	127 kDa		unknown					2		
SH3 and multiple ankyrin repeat domains protein 1 OS=Mus musculus GN=Shank1 PE=1 SV=1 (D3YZU4_MOUSE)	D3YZU4_MOUSE [3]	225 kDa	TRUE	unknown	79	36	48	61	43	22	22
SH3 and multiple ankyrin repeat domains protein 2 OS=Mus musculus GN=Shank2 PE=1 SV=2 (SHAN2_MOUSE)	SHAN2_MOUSE [3]	159 kDa	TRUE	unknown	82	99	60	37	124	21	21
SH3 and multiple ankyrin repeat domains protein 3 OS=Mus musculus GN=Shank3 PE=1 SV=1 (A0A0A0MQD5_MOUSE A0A0A0MQD5_MOUSE [2])		192 kDa	TRUE	unknown	77	62	39	55	67	20	20
Tubulin alpha chain (Fragment) OS=Mus musculus GN=Tuba4a PE=1 SV=1					5			2	1		1
Tubulin alpha-1A chain OS=Mus musculus GN=Tuba1a PE=1 SV=1 (TBA1A_MOUSE)	TBA1A_MOUSE [5]	50 kDa	TRUE	unknown	7	4	4	4		3	3
Tubulin alpha-1C chain OS=Mus musculus GN=Tuba1c PE=1 SV=1	TBA1C_MOUSE (+3)	50 kDa		unknown					3		
Unconventional myosin-Va OS=Mus musculus GN=Myo5a PE=1 SV=1 (D3YZ62_MOUSE)	D3YZ62_MOUSE [4]	212 kDa	TRUE	unknown	13	10	0	0	10	1	1

#	Visible?	Starred?	Identified Proteins (66)	Accession No	Alternate ID	Molecular W	Protein Grou	Taxonomy	S1	S2	S3	S4	S5	S6
2	TRUE	Empty	Disks large homolog 4 OS=Mus musculus GN=Dlg4 PE=1 SV=1 (DLG4_MOUSE)	DLG4_MOUSE [6]	80 kDa	TRUE	unknown		97	58	67	102	41	44
			Disks large homolog 2 OS=Mus musculus GN=Dlg2 PE=1 SV=2						35	18	25	42	15	18
3	TRUE	Empty	Ras/Rap GTPase-activating protein SynGAP OS=Mus musculus GN=Syngap1 PE=1 SV=2 (SYGP1_MOUSE)	SYGP1_MOUSE [5]	148 kDa	TRUE	unknown		78	47	50	70	32	33
			Protein Rasal2 OS=Mus musculus GN=Rasal2 PE=1 SV=1						7		5	6	4	2
4	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 1 OS=Mus musculus GN=Shank1 PE=1 SV=1 (D3YZU4_MOUSE)	D3YZU4_MOUSE [3]	225 kDa	TRUE	unknown		70	26	41	59	27	20
7	TRUE	Empty	Brain-specific angiogenesis inhibitor 1-associated protein 2 OS=Mus musculus GN=Baiap2 PE=1 SV=1	B1AZ46_MOUSE (+1)	58 kDa		unknown		45	25	26	31	19	5
8	TRUE	Empty	Calcium/calmodulin-dependent protein kinase type II subunit alpha OS=Mus musculus GN=Camk2a PE=1 SV=2 (KCC2A_MOUSE)	KCC2A_MOUSE [5]	54 kDa	TRUE	unknown		36	35	30	42	19	33
			Calcium/calmodulin-dependent protein kinase type II subunit delta OS=Mus musculus GN=Camk2d PE=1 SV=1						18	17	13	17	7	14
9	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 3 OS=Mus musculus GN=Shank3 PE=1 SV=1	A0A0A0MQ05_MOUSE	192 kDa	TRUE	unknown		41	18	15	43	13	10
11	TRUE	Empty	Homer protein homolog 1 OS=Mus musculus GN=Homer1 PE=1 SV=2	HOME1_MOUSE	41 kDa	TRUE	unknown		26	17	20	26	13	12
13	TRUE	Empty	Glutamate receptor ionotropic, NMDA 1 OS=Mus musculus GN=Grin1 PE=1 SV=1	A2AI21_MOUSE (+1)	108 kDa		unknown		8	22	27	7	2	6
14	TRUE	Empty	Calcium/calmodulin-dependent protein kinase type II subunit gamma OS=Mus musculus GN=Camk2g PE=1 SV=1 (KCC2G_MOUSE)	KCC2G_MOUSE [4]	60 kDa	TRUE	unknown		14	17	12	14	7	13
			Calcium/calmodulin-dependent protein kinase type II subunit beta OS=Mus musculus GN=Camk2b PE=1 SV=2						25	20	14	27	8	17
15	TRUE	Empty	IQ motif and SEC7 domain-containing protein 2 OS=Mus musculus GN=Iqsec2 PE=1 SV=3	IQEC2_MOUSE	162 kDa	TRUE	unknown		31	8	13	24	2	
16	TRUE	Empty	Disks large-associated protein 3 OS=Mus musculus GN=Dlgap3 PE=1 SV=1	B1AS06_MOUSE (+1)	105 kDa		unknown		12	11	3	20	6	5
19	TRUE	Empty	Disks large-associated protein 1 OS=Mus musculus GN=Dlgap1 PE=1 SV=3 (DLGP1_MOUSE)	DLGP1_MOUSE [2]	110 kDa	TRUE	unknown		10	11	16	3		2
20	TRUE	Empty	Glutamate receptor ionotropic, NMDA 2B OS=Mus musculus GN=Grin2b PE=1 SV=1 (G3X9V4_MOUSE)	G3X9V4_MOUSE [3]	166 kDa	TRUE	unknown		7	9	2	9	6	1
21	TRUE	Empty	Actin, cytoplasmic 2 OS=Mus musculus GN=Actg1 PE=1 SV=1 (ACTG_MOUSE)	ACTG_MOUSE [2]	42 kDa	TRUE	unknown		14	6	1	2	7	3
			Actin, cytoplasmic 1 (Fragment) OS=Mus musculus GN=Actb PE=1 SV=1						7	3		2	4	3
22	TRUE	Empty	Myelin basic protein (Fragment) OS=Mus musculus GN=Mbp PE=1 SV=1 (F6RWW8_MOUSE)	F6RWW8_MOUSE [2]	16 kDa	TRUE	unknown		11	6	3	6		1
23	TRUE	Empty	Tubulin alpha-1A chain OS=Mus musculus GN=Tuba1a PE=1 SV=1 (TBA1A_MOUSE)	TBA1A_MOUSE [5]	50 kDa	TRUE	unknown		7	4	4	4		3
			Tubulin alpha chain (Fragment) OS=Mus musculus GN=Tuba4a PE=1 SV=1						5			2		1
24	TRUE	Empty	Ankyrin repeat and sterile alpha motif domain-containing protein 1B OS=Mus musculus GN=Anks1b PE=1 SV=1	A0A0R4J2A6_MOUSE (+6)	48 kDa		unknown		3	6	7	1		3
26	TRUE	Empty	Brain-enriched guanylate kinase-associated protein OS=Mus musculus GN=Begain PE=1 SV=1	A0A1B0GT88_MOUSE (+2)	89 kDa		unknown		4	2	5	3		
27	TRUE	Empty	IQ motif and SEC7 domain-containing protein 1 OS=Mus musculus GN=Iqsec1 PE=1 SV=1	E9PUA3_MOUSE	123 kDa	TRUE	unknown		10	6	3	7		
28	TRUE	Empty	Disks large-associated protein 4 OS=Mus musculus GN=Dlgap4 PE=1 SV=1	B7ZNS2_MOUSE (+1)	106 kDa	TRUE	unknown		13	5	8	2		
29	TRUE	Empty	SH3 and multiple ankyrin repeat domains protein 2 OS=Mus musculus GN=Shank2 PE=1 SV=1	D3Z5K8_MOUSE	200 kDa	TRUE	unknown		4	3	7	3		
30	TRUE	Empty	ADP/ATP translocase 1 OS=Mus musculus GN=Slc25a4 PE=1 SV=4	ADT1_MOUSE	33 kDa		unknown		4	1	1			
31	TRUE	Empty	Disks large-associated protein 2 OS=Mus musculus GN=Dlgap2 PE=1 SV=2	DLGP2_MOUSE (+1)	119 kDa	TRUE	unknown		11	7	5	1		

At least 6 spectral counts	Gene name WT		KO		WT		KO		Total Spectra	CRAPOME average spectral counts	Total WT	Total KO	Normalized				Total WT	Total KO	Ratio KO/WTLog transform						
	WT	KO	WT	KO	WT	KO	WT	KO					WT	KO	WT	KO				WT	KO				
ADP/ATP translocase 1 OS=Mus musculus GN=Slg25a4 PE=1 SV=4	Slg25a4	4	1	1					6	5.1	5	1	0.20	-0.2129261	0.0300752	0.00625	0.0121579	0	0	0.04262331	0.00625	0.14	-2.98		
Disks large-associated protein 4 OS=Mus musculus GN=Dlgap4 PE=1 SV=1	Dlgap4	15	8	8	2	4			37	1	27	10	0.37	-1.4329594	0.11278195	0.05	0.10526316	0.03076923	0.02484472	0	0.24289883	0.08076923	0.33	-1.59	
Ankyrin repeat and sterile alpha motif domain-containing protein 18 OS=Mus musculus GN=Anks1b PE=1 SV=1	Anks1b	3	6	7	1	3			20	0	13	7	0.54	-0.8930848	0.02255639	0.0375	0.09210526	0.01538462	0.01863354	0	0.13329518	0.05288462	0.40	-1.33	
Disks large-associated protein 2 OS=Mus musculus GN=Dlgap2 PE=1 SV=2	Dlgap2	12	10	6	1	2			31	0	20	11	0.55	-0.8624965	0.09022556	0.0625	0.07894737	0.01538462	0.01242236	0	0.18159529	0.07788462	0.43	-1.22	
Disks large-associated protein 1 OS=Mus musculus GN=Dlgap1 PE=1 SV=3 [DGLP1_MOUSE]	Dlgap1	11	12	18	3	2			48	0	31	17	0.55	-0.8664735	0.08270677	0.075	0.23684211	0.04615385	0.01242236	0.00481633	0.3197123	0.16197017	0.49	-1.04	
Uncoupled myosin-Va OS=Mus musculus GN=Myo5a PE=1 SV=1 [D3YZ62_MOUSE]	Myo5a	13	10	0	0	10			34	5.6	23	11	0.48	-1.0641303	0.09774436	0.0625	0	0.0621118	0.02040816	0.15885616	0.08290816	0.52	-0.95		
Brain-enriched guanylate kinase-associated protein OS=Mus musculus GN=Begain PE=1 SV=1	Begain	4	2	5	3				14	0	9	5	0.56	-0.8479969	0.03007519	0.0125	0.06278947	0.04615385	0	0.09586466	0.05865385	0.61	-0.71		
Leucine-rich repeat-containing protein 7 OS=Mus musculus GN=Linc7 PE=1 SV=1	Linc7	11	10	3	3	19			48	2	33	15	0.45	-1.1375026	0.08270677	0.0625	0.03947368	0.04615385	0.11801242	0.00481633	0.24019287	0.14947017	0.62	-0.68	
SH3 and multiple ankyrin repeat domains protein 2 OS=Mus musculus GN=Shank2 PE=1 SV=2 [SHAN2_MOUSE]	Shank2	82	99	60	37	124			423	0	266	157	0.59	-0.7606617	0.61654135	0.61875	0.78947368	0.56923077	0.77018634	0.42857413	2.17621037	1.6165522	0.74	-0.43	
IQ motif and SEC7 domain-containing protein 2 OS=Mus musculus GN=Iqsec2 PE=1 SV=3	Iqsec2	118	116	68	53	149			534	1	335	199	0.59	-0.7513927	0.88721805	0.725	0.89473684	0.81538462	0.6122449	2.70742073	2.15262951	0.80	-0.33		
Actin, cytoplasmic 2 OS=Mus musculus GN=Actg1 PE=1 SV=1 [ACTG1_MOUSE]	Actg1	14	6	1	2	7			33	36.3	22	11	0.50	-1	0.052632	0.0375	0.0121579	0.0307692	0.0434783	0.0612245	0.1618999	0.1234937	0.80	-0.32	
Glutamate receptor ionotropic, NMDA 2A OS=Mus musculus GN=Grin2a PE=1 SV=2	Grin2a	35	54	23	13	49			88	182	0	107	75	0.70	-0.5124683	0.26315789	0.3375	0.30063158	0.2	0.30434783	0.16326531	0.8701373	0.70076551	0.81	-0.31
IQ motif and SEC7 domain-containing protein 1 OS=Mus musculus GN=Iqsec1 PE=1 SV=1	Iqsec1	22	21	9	9	19			33	1	50	33	0.66	-0.5994621	0.16541353	0.13125	0.11842105	0.13846154	0.11801242	0.0612449	0.40184703	0.30093603	0.82	-0.28	
Glutamate receptor ionotropic, NMDA 1 OS=Mus musculus GN=Grin1 PE=1 SV=1	Grin1	8	22	27	7	2			72	0	37	35	0.95	-0.0801703	0.06015038	0.1375	0.35526316	0.10769231	0.01242236	0.12244898	0.42783589	0.36764129	0.86	-0.22	
Brain-specific angiogenesis inhibitor 1-associated protein 2 OS=Mus musculus GN=Balap2 PE=1 SV=1	Balap2	45	25	26	31	19			151	1.3	90	61	0.68	-0.5611158	0.33834586	0.15625	0.34210526	0.47692308	0.11801242	0.02024021	0.79846355	0.73513389	0.92	-0.12	
Protein Rasal2 OS=Mus musculus GN=Rasal2 PE=1 SV=1	Rasal2	7	5	6	4	2			24	1.3	16	8	0.50	-1	0.05263158	0.066578947	0.09230769	0.02484472	0.04081633	0.143212402	0.13312402	0.93	-0.11		
Glutamate receptor ionotropic, NMDA 2B OS=Mus musculus GN=Grin2b PE=1 SV=1	Grin2b	133	160	76	65	161			644	1	370	274	0.74	-0.4333494	1	1	1	1	1	1	3	3	1.00	0.00	
Myelin basic protein (Fragment) OS=Mus musculus GN=Mbp PE=1 SV=1 [F6RWV8_MOUSE]	Mbp	13	7	3	6	2			32	0	18	14	0.78	-0.3625701	0.09774436	0.04375	0.03947368	0.09230769	0.01242236	0.02040816	0.14964051	0.15646586	1.05	0.06	
SH3 and multiple ankyrin repeat domains protein 1 OS=Mus musculus GN=Shank1 PE=1 SV=1 [D3Y2U4_MOUSE]	Shank1	79	36	48	61	43			298	0	170	119	0.70	-0.5145732	0.59389496	0.225	0.61517895	0.93846154	0.26700075	0.44897959	1.49284465	1.61244113	1.08	0.11	
SH3 and multiple ankyrin repeat domains protein 3 OS=Mus musculus GN=Shank3 PE=1 SV=1 [A0A0A0M0Q5_MOUSE]	Shank3	77	62	39	55	67			320	NA	183	137	0.75	-0.4176678	0.57894737	0.3875	0.51315789	0.84615385	0.41614907	0.0816327	1.50825433	1.64181711	1.09	0.12	
Calcium/calmodulin-dependent protein kinase type II subunit delta OS=Mus musculus GN=Camk2d PE=1 SV=1	Camk2d	21	23	25	18	13			115	2.9	59	56	0.95	-0.0752881	0.15789474	0.14375	0.32894737	0.27692308	0.08074534	0.06122449	0.56758745	0.72679553	1.28	0.36	
HNRN OS=Homo sapiens GN=HNRN PE=1 SV=2	HNRN	9	2	0	3	4			21	9.5	13	8	0.62	-0.7004397	0.06769917	0.0125	0.04615385	0.02484472	0.06122449	0.0251389	0.11587834	0.11587834	1.30	0.37	
Ras/Rap GTPase-activating protein SynGAP OS=Mus musculus GN=Syngap1 PE=1 SV=2 [SVGP1_MOUSE]	Syngap	88	59	55	72	50			360	0	193	167	0.87	-0.7369656	0.07594	0.36875	0.72368421	1.10769231	0.31055901	0.73469388	1.95589735	2.21112619	1.30	0.38	
Tubulin alpha chain (Fragment) OS=Mus musculus GN=Tuba4a PE=1 SV=1	Tuba4a	5							8	28.6	5	3	0.60	-0.7369656	0.07594	0	0.0307692	0	0.0307692	0.027594	0.0511774	0.0511774	1.36	0.45	
Homein protein homolog 1 OS=Mus musculus GN=Homein1 PE=1 SV=2	Homein1	26	17	20	26	13			114	1.5	59	55	0.93	-0.1012833	0.19548872	0.10625	0.26315789	0.4	0.08074534	0.24489796	0.5393196	0.75114796	1.39	0.48	
Tubulin alpha 1A chain OS=Mus musculus GN=Tuba1a PE=1 SV=1 [TBA1A_MOUSE]	Tuba1a	7	4	4	4	22			34	0	22	11	1.00	0	0.0526316	0.0615385	0	0.0612245	0.1052632	0.147763	0.147763	1.40	0.49		
Actin, cytoplasmic 1 (Fragment) OS=Mus musculus GN=Actb PE=1 SV=1	Actb	10	7	2	4	5			32	15	8	27	0.58	-0.1805722	0.075188	0.04375	0.0261558	0.0615385	0.0310559	0.1325597	0.1325597	1.4820211	1.41	0.50	
Disks large homolog 4 OS=Mus musculus GN=Dlg4 PE=1 SV=1 [DLG4_MOUSE]	Dlg4	98	60	68	102	42			414	1	208	206	0.99	-0.0139392	0.73684211	0.375	0.89473684	1.56923077	0.26086957	0.89759918	1.89244851	2.84218995	1.50	0.59	
Disks large homolog 2 OS=Mus musculus GN=Dlg2 PE=1 SV=2	Dlg2	35	18	25	42	15			153	1.4	75	78	1.04	0.05668353	0.26315789	0.1125	0.2894737	0.64615385	0.09315789	0.6827297	0.36734094	0.6827297	1.12620078	1.64	0.72
Calcium/calmodulin-dependent protein kinase type II subunit gamma OS=Mus musculus GN=Camk2g PE=1 SV=1 [KCC2G_MOUSE]	Camk2g	16	19	13	15	12			88	1.5	41	47	1.15	0.19703685	0.12010075	0.11875	0.17109293	0.23076923	0.0745416	0.29531821	0.36088754	0.61462535	1.68	0.76	
Calcium/calmodulin-dependent protein kinase type II subunit alpha OS=Mus musculus GN=Camk2a PE=1 SV=2 [KCC2A_MOUSE]	Camk2a	49	54	38	48	43			213	2.4	130	143	1.10	0.13750352	0.36842105	0.3375	0.5	0.73846154	0.26700075	0.83673469	1.1355018	1.9126623	1.88	0.75	
Calcium/calmodulin-dependent protein kinase type II subunit beta OS=Mus musculus GN=Camk2b PE=1 SV=2	Camk2b	28	26	16	29	19			138	2.7	63	75	1.19	0.2515877	0.21052632	0.1625	0.21052632	0.44615385	0.11801242	0.40816327	0.33905605	1.01681711	1.89	0.92	
Disks large-associated protein 3 OS=Mus musculus GN=Dlgp3 PE=1 SV=1	Dlgp3	12	11	3	20	6			57	0	21	36	1.71	0.77760758	0.09022556	0.06875	0.03947368	0.30769231	0.03762708	0.10204892	0.16696633	0.47848312	2.87	1.52	