Table 2: Proteins identified in CCV preparations

No	Protein name Gel band number, range	Molecular mass kDa	Specific Peptides Total Prep. A Prep. B Prep. C	Shared Peptides Total Prep. A Prep. B Prep. C		Reference GI Number Validated (Fig. 3)
coat proteins (18)						
1	clathrin heavy chain	193.1	1460	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	49,2-61		398	0		9506497 4758012 1705915
	50,13-62		550	0		
	48,15-61		512	0		Y
2	clathrin light chain A1 or A2 or A3	25.6	74	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	24,9-25		28	0		203276 14010873 71562 203278 116500 4502899
	23,9-24		20	0		
	20,19-23		26	0		Y
3	clathrin light chain B1 or B2	25.2	131	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	22,6-23		54	0		116507 514 71563 4502901 203361 116504 6005995
	21,7-26		44	0		
	21,14-23		33	0		Y
4	AP1 beta 1	105.4	64	90	a	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	46,40-47		15	14		8392872 6671553 4501973
	45,37-47		26	43		
	43,40-55		23	33		
5	AP1 gamma	92.1	27	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	43		2	0		6753070 12643391 4501979
	42/43,40-43		9	0		
	39,38-39		16	0		Y
6	AP1 mu 1	48.7	48	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	30,30-31		17	0		14210504 6671557
	29,27-30		18	0		
	27,27-28		13	0		
7	AP1 sigma 1	18.8	15	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	7,6-7		3	0		4557471 5630084
	8/9/13,8-13		7	0		
	9/11,9-11		5	0		
8	AP2 alpha 1	108.7	150	32	b	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	46,37-58		41	3		6671561 14786902 12585138
	45,25-58		69	14		
	42,37-44		40	15		Y
9	AP2 alpha C	104.9	169	32	b	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	43,37-58		35	3		13591908 90292
	43,37-58		60	14		
	39,17-54		74	15		Y
10	AP2 beta 2	105.5	208	90	a	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	44,14-56		61	14		4557469 14785749 12836566
	43,15-47		86	43		
	40,36-55		61	33		
11	AP2 mu 1	49.9	199	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	32,29-34		67	0		6753074 7448828
	31,28-35		54	0		
	28,25-31		78	0		
12	AP2 sigma 2 or 1	17.1	33	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	2,2-12		21	0		4757996 11038643 13654962
	4/5,4-5		2	0		
	11,9-16		10	0		
13	AP180	91.5	97	16	c	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)
	52,23-55		18	3		13994177 486929 7662228 7305507 193209

	23/34,18-60		44	9			
	48,25-53		35	4			
14	auxilin (DNAj)	100.2	86	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)	
	46,5-47		20	0		7662146 2498170 13278253	
	41/44,37-59		45	0			
	41,38-44		21	0			
15	CALM	69.5	56	16	c	Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)	
	39,29-55		15	3		2792502 2792500 16758324	
	38/39,18-59		13	9			
	35,33-43		28	4			
16	cyclin G-associated kinase	145	18	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)	
			ND	ND		13591947 17375734 4885251	
	60,47-62		8	0			
	48,47-49		10	0			
17	Hsc70	71.1	45	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)	
	39		12	0		13242237 347019 123647 5729877	
	38,38-39		17	0			
	36,35-36		16	0			
18	huntingtin interacting protein 12 (HIP1R)	127.2	51	0		Brodsky FM. et al. Annu Rev Cell Dev Biol.17:517-68. (2001)	
	47		9	0		12718814 13431575 12852463	
	46,41-46		10	0			
	44,43-44		32	0		Y	
accessory proteins (1)							
19	epsin	60.2	6	0		Slepnev VI. & De Camilli P. Nat. Rev. Neurosci. 1:161-172 (2000)	
	40/42,40-42		2	0		3249559 16923990	
	41		2	0			
	37/38,37-38		2	0		Y	
synaptic vesicles (32)							
20	cysteine string protein	22.8	4	0		Evans GJ. & Morgan A. Biochem J. 364:343-7. (2002)	
			ND	ND		12643505 7512369 7949027 18591697 1232165	
	18		1	0			
	19,18-19		3	0			
21	Rab3A	25.2	17	2	d	Schluter OM. et al. J Biol Chem. 277:40919-40929. (2002)	
	15		4	1		6679593 7689363 129323 89582 4506367	
	15,14-15		5	1			
	14,14-15		8	0			
22	Rab3C	26.1	4	0		Schluter OM. et al. J Biol Chem. 277:40919-40929. (2002)	
			ND	ND		13470090 6174943 1045640	
	16		3	0			
	14		1	0			
23	SCAMP-1	38.3	14	0		Fernandez-Chacon R. & Sudhof TC. J Neurosci. 20:7941-50. (2000)	
	20/21,20-21		4	0		3914958 3395572	
	19/20,19-20		8	0			
	20		2	0			
24	SCAMP-5	26.4	6	0		Fernandez-Chacon R. & Sudhof TC. J Neurosci. 20:7941-50. (2000)	
	10/12/13/14,10-14		4	0		13929020 9937988	
	13		1	0			
	13		1	0			
25	synaptic vesicle protein 2 (SV2)	83.3	33	0		Xu T. & Bajjalieh SM. Nat Cell Biol. 3:691-8. (2001)	
	43,42-43		3	0		285432 17105366 11528518	
	42,41-45		20	0			
	39,38-40		10	0			
26	synaptic vesicle protein 2 form B (SV2B)	78.2	21	0		Janz R. et al. Neuron. 24:1003-16. (1999)	
	42,39-42		7	0		17105360 420291	
	41,39-42		13	0			
	37		1	0			
27	synaptogyrin 1	25.9	19	0		Janz R. et al. Neuron. 24:687-700. (1999)	
	7/17/18,6-18		7	0		1587032 12833341 9507167 14779004 4759200 6678193 11418146	
	8/16/17/18,8-18		10	0			
	16/17,16-17		2	0			

28	synaptogyrin 3	24.7	3	0		Hubner K. et al. Int Rev Cytol. 214:103-59. (2002)						
	7		1	0		6631112	6755708					
	8/15,8-15		2	0								
			ND	ND								
29	synaptophysin	33.6	41	0		Hubner K. et al. Int Rev Cytol. 214:103-59. (2002)						
	24/25,23-27		13	0		6981622	56823	6678195				
	18/23/25,18-26		10	0								
	23,22-24		18	0		Y						
30	synaptoporin	29.3	5	0		Hubner K. et al. Int Rev Cytol. 214:103-59. (2002)						
	23		1	0		135158	13027428					
	22,21-23		4	0								
			ND	ND								
31	synaptotagmin I	47.9	52	15	e	O'Connor V. & Lee AG. Nat Neurosci. 5:823-4. (2002)						
	36,36-37		8	2		1351175	6678197	92791	226865	5032139		
	35/36,35-39		15	6								
	32,32-34		29	7		Y						
32	synaptotagmin II	47.7	16	15	e	O'Connor V. & Lee AG. Nat Neurosci. 5:823-4. (2002)						
	37		3	2		1083522	6981624					
	37,36-37		3	6								
	33,33-34		10	7								
33	synuclein alpha	22.4	2	0		Leng Y. et al. J Biol Chem. 276:28212-8. (2001)						
	6		1	0		9507125	2829293	12852348	285435	6678047		
	8		1	0								
			ND	ND								
34	vacuolar ATPase, subunit A (V1 sector)	68.6	39	0		Morel N. et al. Journal of Neurochemistry 79:485-488. (2001)						
	39		5	0		6680752	108733	383059	401321			
	38		6	0								
	36,35-37		28	0								
35	vacuolar ATPase, subunit a (Vo sector)	96.4	14	0		Galli T. et al. J. Biol. Chem. 271:2193-2198. (1996)						
	45/46,45-46		2	0		13928826	12643433	4885085	7329154	12025532	12643966	3915315
	45,43-45		4	0								
	44,39-44		9	0								
36	vacuolar ATPase, subunit B (V1 sector)	56.8	54	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	34,33-34		7	0		12643430	549205	17105370	1184661			
	34,33-35		15	0								
	29,29-32		32	0								
37	vacuolar ATPase, subunit C (V1 sector)	44.1	5	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
			ND	ND		13384916	12585525	16307356				
	26		2	0								
	24		9	0								
38	vacuolar ATPase, subunit D (V1 sector)	28.5	8	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	19		1	0		12963799	5138993	7022231	7706757	731097	11999090	
	19		3	0								
	18,18-19		4	0								
39	vacuolar ATPase, subunit d (Vo sector)	40.7	33	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	24,23-25		9	0		12643287	7304909					
	23,20-24		14	0								
	22,21-23		10	0								
40	vacuolar ATPase, subunit E (V1 sector)	26.2	22	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	19		6	0		137473	313014	6680756	13097342	4502317	539608	
	19,18-19		10	0								
	19,18-19		6	0								
41	vacuolar ATPase, subunit G (V1 sector)	13.7	2	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	2		1	0		15617197	4757818	14735257				
	4		1	0								
			ND	ND								
42	vacuolar ATPase, subunit H (V1 sector)	56.4	14	0		Morel N. et al. J Neurochem 79:485-488. (2001)						
	31,30-31		3	0		12643371	19527044	7706262	11640592			
	30/32,30-32		2	0								

	28,26-29		9	0								
43	vesicular inhibitory amino acid transporter	58.3	11	0		Jellali A. et al. J Comp Neurol. 449:76-87. (2002)						
	34/35,34-35		2	0		13929106	6678569					
	30/31/33/34,30-34		4	0								
	30,29-30		5	0								
44	VGLUT1 (solute carrier family 17, member 7)	62.3	13	0		Kaneko T. & Fujiyama F. Neurosci Res. 42:243-50. (2002)						
	36		3	0		16758726	9945322	2143624				
	31/33,31-32		5	0								
	31,30-31		5	0								
45	VGLUT2	65	7	0		Kaneko T. & Fujiyama F. Neurosci Res. 42:243-50. (2002)						
	37		1	0		16758166	9966811	8515881	18252796			
	35		1	0								
	32,32-34		5	0								
	SNARE apparatus											
46	VAMP-1	12.9	17	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	6,5-7		7	0		2501080	6981612					
	9,3-9		6	0								
	10,10-11		4	0	Y							
47	VAMP-2	14.5	34	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	4,3-6		16	0		7657675	6678553	6678551	6729809	2253399	13653389	4894188
	7,3-11		8	0								
	7/10,7-11		10	0								
48	SNAP-25	23.5	15	0		Walch-Solimena C. et al. J Cell Biol. 128:637-45. (1995)						
	16		4	0		4507099	6755588	1314856				
	15,15&56		6	0								
	16,15-16		5	0								
49	syntaxin 1A	34.1	7	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	20		2	0		417842	285304	4759182	7595847	7767102	207127	6665797
	20		4	0								
	19		1	0	Y							
50	syntaxin 1B	33.4	16	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	20,20-21		4	0		1174533	383088	6981600				
	20,20-21		7	0								
	20,19-20&53		5	0	Y							
51	Sec1 (munc-18)	67.9	64	0		Garcia EP. et al. J Cell Biol. 129:105-20. (1995)						
	38,37-38		9	0		6981602	435430	3810884	2501510	17225417		
	37,36-38		23	0								
	34,34-35		32	0								
vesicle trafficking (29)												
	SNARE proteins											
52	NSF	83.2	32	0		McDonald PH. et al. J Biol Chem. 274:10677-80. (1999)						
	40		10	0		13489067						
	39		14	0								
	37		8	0								
53	SNAP alpha	33.5	10	1	f	Hanley JG. et al. Neuron. 34:53-67. (2002)						
	20		2	0		6094309	18034791	13385392	2143586	12851441		
	20		3	1								
	19		5	0								
54	SNAP beta	34.2	9	1	f	Hanley JG. et al. Neuron. 34:53-67. (2002)						
	20/21,20-21		2	0		11414800	3024628	114980				
	20,20-21		4	1								
	20		3	0								
55	syntaxin 6	29.1	7	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	20		1	0		13928922	12844640	10946800				
	18		2	0								
	19/20,19-20		4	0	Y							
56	syntaxin 13 or 12	30.5	8	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)						
	22		2	0		3184552	12621104	19527102				
	23,22-23		3	0								
	21,20-21		3	0								

57	VAMP-4	16.4	5	0		Chen YA. & Scheller RH. Nat Rev Mol Cell Biol. 2:98-106. (2001)							
	6,5-6		4	0		7949160	12847957	4200247					
	8		1	0									
			ND	ND	Y								
58	VAMP-associated protein 33a	27.3	6	0									
	17		1	0		6671046	7305623						
			ND	ND									
	16,16-17		5	0									
	Rab and other vesicle trafficking proteins												
59	Rab1A	22.9	8	3	d								
	14,12-14		4	1		4758988	13569962	13592035					
	13/14,13-14		2	2									
	13/14,13-14		2	0									
60	Rab1B	22.3	5	2	d								
	14		1	0		92339	131803	12834379					
	13/14,13-14		2	2									
	13/14,13-14		2	0									
61	Rab2	23.7	19	0									
	13,12-13		5	0		108107	13929006	4506365	266878	10946940			
	11/12,11-12		8	0									
	13,12-14		6	0									
62	Rab4A	24.2	2	1	d	Kreis T. & Vale R. Guidebook to cytoskeletal & motor proteins (2nd ed.) 1999							
	14		1	1		6981454	4759002	11493388	6679595	131793	14735149	19923260	131792
			ND	ND									
	14		1	0									
63	Rab4B	23.9	13	4	d	Kreis T. & Vale R. Guidebook to cytoskeletal & motor proteins (2nd ed.) 1999							
	14,13-14		7	2		8394136	7706673	10441901					
	14,13-14		5	2									
	13		1	0									
64	Rab5A	23.8	6	1	d	Horiuchi H. et al. J Biol Chem. 270:11257-62. (1995)							
	15		2	1		13385374	12083645	12832758					
	13/14,13-14		2	0									
	15		2	0									
65	Rab5B	23.9	2	1	d	Horiuchi H. et al. J Biol Chem. 270:11257-62. (1995)							
	16		1	1		4506371							
			ND	ND									
	15		1	0									
66	Rab5C	23.7	6	1	d	Horiuchi H. et al. J Biol Chem. 270:11257-62. (1995)							
	15		2	1		1710027	4759020	13652324	13096181				
	13/14,13-14		2	0									
	15		2	0									
67	Rab6	23.6	4	1	d								
	14		2	0		13195674	14783675	4506373	19923231				
	13		2	1									
			ND	ND									
68	Rab7	23.7	12	0									
	14		3	0		13794267	4105819	92022	13027392	14746535	131797	6679599	
	13		4	0									
	14/15,13-15		5	0									
69	Rab8	23.7	2	1	d								
	14		1	0		131798	12963499	16933567	234746	4885483			
	14		1	1									
			ND	ND									
70	Rab10	22.7	6	1	d								
	14		3	0		7705849	12052826	131804	420269				
	13,12-13		3	1									
			ND	ND									
71	Rab11	24.5	6	0		Kreis T. & Vale R. Guidebook to cytoskeletal & motor proteins (2nd ed.) 1999							
	14/15,14-15		2	0		8394127	4758984	4758986	14249144	12230509	6679583		

	13/14,13-14		4	0											
			ND	ND											
72	Rab14	24.1	7	2	d										
	14		2	0		420272	11427636	7706503	14735505	16758368					
	14,13-14		3	2											
	13/14,13-14		2	0											
73	RAB18, member RAS oncogene family	23	2	0											
	13		1	0		6755258	10880989								
			ND	ND											
	13		1	0											
74	RabGDI	50.8	5	0		Horiuchi H. et al. J Biol Chem. 270:11257-62. (1995)									
			ND	ND		1083773	396431	1707888	6679987	12841706	8393428				
	32/34,32&34		2	0											
	26/27/29,26-29		3	0											
75	ARF 1 or 3	20.6	8	0		Austin C. et al. Biochemistry. 41:4669-77. (2002)									
	8,8-9		5	0		4502201	4502203	1065362							
	8/9,8-9		2	0											
	11		1	0											
76	CD-mannose-6-phosphate receptor	31.7	8	0		Doray B. et al. J Biol Chem. 277:18477-82. (2002)									
	25/26/27/28,25-28		4	0		14916479	581939	127292	12835983	4505061					
	24/26,24-26		2	0											
	23/23,22-23		2	0											
77	CI-mannose 6-phosphate receptor	280.6	2	0		Kato Y. et al. Nat Struct Biol. 9:532-6. (2002)									
	56		1	0		1709091	6981078	2119537							
	55		1	0											
			ND	ND											
78	SCAMP-3	38.7	16	0											
	24/25/26,19-26		7	0		10764629	6755404	12805127							
	13/23,13-24		5	0											
	22/23,22-23		4	0											
79	VPS35	92.5	5	0											
			ND	ND		15318052	12053275	13928670	10435637	9622850	14714472	17999541			
	40/41,40-41		2	0											
	38,37-38		3	0											
80	VPS45	65.3	6	0		Dulubova I. et al. EMBO J. 21:3620-31. (2002)									
	37		2	0		7305631	6005946	2047326	7447775						
	36/37,36-37		2	0											
	33		2	0											
Endoplasmic Reticulum (1)															
81	calreticulin	48	2	0											
	35		1	0		11693172	6680836	117504	1169098	237420	253851	4757900	1706136		
			ND	ND											
	31		1	0											
myelin (2)															
82	myelin basic protein	21.5	26	0											
	7/8,3-8		14	0		126801	625314	4454315	4454317	387414					
	9,2-9		11	0											
	10		1	0											
83	proteolipid protein (PLP)	30.8	6	0											
	12,12-13		3	0		190085	14769143	200409	223552	206245	206224	127729	387028	10834970	200425
	12,12		2	0											
	13,13		1	0											
RNA granule (22)															
84	EEF1A2	50.8	6	0											
	31,30-31		3	0		4503475	6681273	6981596	119146						
			ND	ND											
	27,27-28		3	0											
85	hnRNP A2/B1	36	29	1	g										
	22,22-23		6	0		4504447	7949053	14751639	14043072						
	21,21-22		6	1											

	21,21-23		17	0											
86	hnRNP M4	77.9	7	0											
	39		1	0		16124253	14141154	1710636	14141152	479852	12847701	627551			
	39		1	0											
	36		5	0											
87	hnRNP-L	64.5	6	0											
			ND	ND		11527777	4557645	2760632							
	36/37,36-37		2	0											
	33/35,33-35		4	0											
88	hnRNPA1	38.9	9	1	g										
			ND	ND		4504445	133254	13436308	8393547	2500575	87650				
	20,20-21		3	1											
	20,20-22		6	0											
89	hnRNPA3	39.9	5	0											
			ND	ND		1710627	15082358	5031693	12845960						
	25,22-25		4	0											
	23		1	0											
90	hnRNPC	32.4	6	0											
			ND	ND		13435678	8393544	12847394	3660678	12860377	18545341	12728114	13097279		
	25/26,25-26		2	0											
	24,23-24		4	0											
91	ribosomal protein L6	33.6	3	0											
	22		1	0		16758864	12654583	4432757	3041728	2293577	11693176	71138	4506667	9798828	
			ND	ND											
	21		2	0											
92	ribosomal protein L7	31.4	3	0											
	18		2	0		6755356	200770	53912	12856147	554269	1363323	206736			
			ND	ND											
	17		1	0											
93	ribosomal protein L7a; surfeit 3	30.1	4	0											
	18		1	0		7305443	4506661	5441549	18588694	18575985					
			ND	ND											
	18,17-18		3	0											
94	ribosomal protein L11	19.1	3	0											
	9		1	0		3914659	13385408	4432750	631361	14719845	18204109				
	9		1	0											
	12		1	0											
95	ribosomal protein L12	18.7	2	0											
	8		1	0		27706782	12833343	132653	4506597	8439384					
			ND	ND											
	11		1	0											
96	ribosomal protein L18	21.6	4	0											
	12		2	0		6677771	12840700	13592057	12843598	21264500					
	12		1	0											
	13		1	0											
97	ribosomal protein L30; 60S ribosomal protein L30	12.8	2	0											
	2		1	0		4506631									
	4		1	0											
			ND	ND											
98	Ribosomal protein S2, laminin receptor 1	32.8	4	0											
	28		2	0		8393693	730679	34272	12846904	6754968	226005	1362848	34234	9845502	
			ND	ND											
	25		2	0											
99	ribosomal protein S10	18.9	3	0											
	7/8,7-8		2	0		4506679	13399310	3088338	9581772	18551387					
			ND	ND											
	11		1	0											
100	ribosomal protein S16	15.2	2	0											
			ND	ND		70920	2500428	4506691	7305445	18591367					

	6		1	0											
	10		1	0											
101	ribosomal protein S24	15.5	3	0											
	5		2	0	4506703	12843605	12846587	12832521	14743719	6755370	14916501				
			ND	ND											
	10		1	0											
102	ribosomal protein S3	27.8	6	0											
	18		1	0	12846294	13097759	13640373	7765076	70850	6755372	12847921	12848978			
	18		2	0											
	17,17-18		3	0											
103	ribosomal protein S5	22.9	4	0											
	12		2	0	1173267	3717978	3088336	13904870	1362935						
	12		1	0											
	13		1	0											
104	ribosomal protein S8	24.5	4	0											
	16		2	0	4506743										
			ND	ND											
	15/16,15-16		2	0											
105	RNA-binding protein p40 AUF1	32.7	4	0											
			ND	ND	13242324	9588100	9588102	9588098	181914	133262	3747052	15029896	14110417	14110420	
	29		1	0											
	23/24/25,23-25		3	0											
metabolic enzymes (18)															
106	glucose-6-phosphate isomerase (GPI)	63	4	0											
	34		1	0	120742	7245763	6840853	6680067	14488628	7239702	225994	309268	1730177	2136507	
			ND	ND											
	30,29-30		3	0											
107	phosphofructokinase	86.3	3	0											
			ND	ND	12248179	13929002									
	40		1	0											
	38		2	0											
108	fructose-biphosphate (aldolase A)	39.7	18	0											
	26,26-27		5	0	68186	6978487	7548322	6671539							
	25,22-27		9	0											
	24,23-24		4	0											
109	fructose-biphsophate (aldolase C)	39	13	0											
	26		1	0	6978489	11231095	113614	12836758	4885063	1334163	68188	2118269	13435924	312137	
	23,22-27		10	0											
	24		2	0											
110	triosephosphate isomerase 1	27.4	6	0											
	15		2	0	12621074										
	15		1	0											
	14		3	0											
111	glyceraldehyde 3-phosphate dehydrogenase	36	43	0											
	24,23-24		12	0	8393418	120707	6679937	1730158	120689	9838358	13702286				
	22,19-22		10	0											
	22,21-23		21	0	Y										
112	phosphoglycerate kinase	44.8	6	0											
	28		2	0	16757986	129906	6679291	1730519	129921	129902	6456828	4505763			
	27		2	0											
	25		2	0											
113	phosphoglycerate mutase 1	28.9	2	0											
	17		1	0	112128	4505753	12844989	130349	16757984	20823772	8248819				
			ND	ND											
	16		1	0											
114	enolase alpha	47.4	14	0											
	31		2	0	6978809	13637776	12963491								
	30/31,30-31		4	0											
	28		8	0											

115	enolase gamma	47.5	14	0										
	30		3	0	119349	26023949								
	30,28-30		5	0										
	27,26-27		6	0										
116	pyruvate kinase	58.2	20	0										
	36		2	0	1346398	16757994	2506796	1363219	6755074	125598	2117873	16741633		
	35		9	0										
	31,31-32		9	0										
117	lactate dehydrogenase	36.8	11	0										
	23		2	0	6981146	6678674	4557032	13786847						
	20/22,20-22		5	0										
	21/22,21-22		4	0										
118	aspartate transaminase	46.6	7	0										
	27		3	0	91997	345752	6980970	6754034	90313					
	26		3	0										
	24		1	0										
119	creatine kinase B (brain form)	40.9	33	0										
	29,29-30		6	0	203476	125296	12852054	6978659	10946574					
	29,28-29		7	0										
	26,25-26		20	0										
120	glutamine synthetase	42.9	8	0										
	28		1	0	121376	8393456	228136							
	25		1	0										
	25,24-26		6	0										
121	malate dehydrogenase	36.6	9	0										
	21		2	0	6678918	12837652	15100179	7431153	5174539	5107783	6226874			
	21		3	0										
	20,20-21		4	0										
122	S-adenosylhomocysteine hydrolase-like 1	67.9	10	0										
	36		2	0	5729724	7435520	21361647							
	35		1	0										
	32,31-32		7	0										
123	2'-3'-cyclic-nucleotide 3'-phosphodiesterase	47.6	18	0										
	29		5	0	27689495	2143555	116560							
	28/29/30,28-30		3	0										
	25,25-26		10	0										
cytoskeleton	(11)													
124	actin beta or gamma	42.1	34	0	Qualmann B. & Kessels MM. Int Rev Cytol. 220:93-144. (2002)									
	28,28-29		10	0	71625	4501887	13278939	71621	1351867	4501885	71620	2624850	576368	231506
	28,26-28		12	0										
	25,24-26		12	0	Y									
125	ARP3 actin-related protein 3 homolog; ARP3	47.8	2	0	Qualmann B. & Kessels MM. Int Rev Cytol. 220:93-144. (2002)									
	31		1	0	5031573	14745483	9966913	12835802	13542701					
	30		1	0										
			ND	ND										
126	centractin alpha	42.7	5	0										
	29		2	0	5031569	22122615	381964	12859778						
			ND	ND										
	25,25-26		3	0										
127	Cofilin 1 non-muscle	18.7	5	0										
	7/8,7-8		4	0	8393101	6680924	116850	5031635	12861068					
	8		1	0										
			ND	ND										
128	dynein cytoplasmic heavy chain 1	534.4	13	0										
	58		2	0	9506549	729378	23503061	13384736						
			ND	ND										
	55,54-56		11	0										
129	ezrin (villin 2)	67.8	4	0										
			ND	ND	6678571	12832989	119717	340217	11276938	21614499	17902245			
	40		3	0										

	37		1	0											
130	profilin I	15.1	4	0		Witke W. et al. EMBO J. 17:967-76. (1998)									
	1		3	0		11968088	6755040	130976	1127241						
	3		1	0											
			ND	ND											
131	Rac1	23.8	6	0		Lamaze C. et al. Nature 382:177-179. (1996)									
	12,10-12		4	0		9845509	481508	237572	2914478	108221	11513661	13096779	13096378	13096548	
	10/11,10-11		2	0											
			ND	ND	Y										
132	RhoA	21.8	2	0											
	13		1	0		2225894	16923986	6680728	9257040	3660276	6980757	6435686	2981782	132535	307375
			ND	ND											
	11		1	0											
133	tubulin alpha	50.8	269	0		Puszkin S. et al. J Neurochem. 53:51-63. (1989)									
	34,4-36		53	0		135395	32015	6678467		135412	10881132	6755901	223556	5174733	
	33,18-62		98	0											
	29,17-53		118	0	Y										
134	tubulin beta	50.2	488	0		Puszkin S. et al. J Neurochem. 53:51-63. (1989)									
	34,4-36		120	0		7106439	14758306	11424769	13324679	3745822	135490	14210536	10433717		
	33,5-62		192	0											
	20,11-54		176	0	Y										
Signaling GTPases (8)															
135	G-alpha i 1	40.7	2	1	h										
	25		1	0		2624612	562016	6980962	121019	3891516	386747	2392128	1942391	1000030	
	25		1	1											
			ND	ND											
136	G-alpha i 2	41	11	2	h										
	25		1	0		13591955	183182	4504041	9489054	1730229	348273	1730227			
	24		2	0											
	23,22-24		8	2	Y										
137	G-alpha o 1 or 2	35.9	54	3	h										
	25,24-26		5	0		120977	204444	8394152	232135	71906					
	24,20-26		20	1											
	23,21-26		29	2	Y										
138	G-alpha q	41.7	6	0											
	26		1	0		585189	6680039	260894	9296968	1181671	4504045	15299484	7441570		
	26		2	0											
	24		3	0											
139	G-protein beta 1	38.1	22	8	l										
	21,20-22		3	1		6680045	4139469	2392720	1730213						
	20,18-22		10	2											
	20,18-21		9	5	Y										
140	G-protein beta 2	36.3	6	8	l										
	20		0	1		4885283	121009	13937391	1730214	306785					
	19,19-21		3	2											
	18/19/21,18-21		3	5	Y										
141	Ras (H-Ras)	21.6	5	0		Howe CL. et al. Neuron. 32:801-14. (2001)									
	10/11,10-11		2	0		131873	494936	230680	1890279	208115	15988032	6680271	6573397	494721	494886
	8/9,8-9		2	0											
	12		1	0	Y										
142	RAS related protein RAP1	21.4	4	0											
	12,11-12		3	0		595280	7661678	539995	19705451	5821936	4506413	1942609			
			ND	ND											
	13		1	0											
Integral plasmamembrane (18)															
143	ASCT1	56.3	3	0											
	37		1	0		9931446	9256644								
	36/37,36-37		2	0											
			ND	ND											

144	CD9 antigen	25.7	3	0									
	11		1	0		729088							
	12		2	0									
			ND	ND									
145	EAAT1 (GLAST1)	59.7	44	2	j								
	34,33-37		11	0		1169457	5577964	9507115	232176	20141407	8118689	543221	
	34,31-37		15	1									
	31/32,17-34		18	1									
146	EAAT2 (Glt1)	62.6	84	0									
	36,34-41		18	0		10121878	705398	8394286	417074	1363971	1169460	2459554	
	37,32-57		30	0									
	34,30-37		36	0	Y								
147	EAAT4	60.1	10	2	j								
			ND	ND		4827012	14091748	6678003					
	37		1	1									
	34,33-35		9	1									
148	GAT-1 (GABA transporter)	67.6	3	0									
			ND	ND		400622	1352530	13242269	4507039	639478			
	38		1	0									
	33/34,33-34		2	0									
149	GAT-3 (GABA transporter)	71.3	11	0									
	36/37,36-37		2	0		13242271	400625						
	36,35-38		5	0									
	32/33/34/35,32-35		4	0									
150	limbic system-associated membrane protein	37.3	4	0									
	36		1	0		25742796	4505025						
			ND	ND									
	31/32/33,31-33		3	0									
151	Na+/K+ ATPase alpha 1	114.2	10	30	k	Uriu T. et al. J Neurochem. 56:1548-56. (1991)							
	43		1	4		358959	205632	6978543	16307541	21450277			
	42,42-46		3	8									
	39		6	18	Y								
152	Na+/K+ ATPase alpha 2	113.4	20	60	k	Uriu T. et al. J Neurochem. 56:1548-56. (1991)							
	43,43-44		4	8		6978545	4502271	15488862					
	42,40-46		8	17									
	40,39-41		8	35	Y								
153	Na+/K+ ATPase alpha 3	113	50	61	k	Uriu T. et al. J Neurochem. 56:1548-56. (1991)							
	44,43-44		5	8		6978547	55770	358960	19855078				
	42,40-46		14	17									
	39,38-44		31	36	Y								
154	Na+/K+ ATPase beta 1	35.6	41	0		Uriu T. et al. J Neurochem. 56:1548-56. (1991)							
	29/30,28-31		11	0		6978549	114395	54130	6753138				
	26/27/28,26-30		13	0									
	27,25-28		17	0									
155	Na+/K+ ATPase beta 2	33.6	14	0		Uriu T. et al. J Neurochem. 56:1548-56. (1991)							
	29/30,29-31		5	0		6978551	91127	4502279	13651387	2136790	7242138	2493014	110052
	27/28/30,27-30		3	0									
	26,26-27		6	0									
156	Na+/K+ ATPase gamma (FXYD ion transport regulator 1)	10.7	3	0									
	2		1	0		9506705	11612670	3024391	13928896	3024392			
	4/5,4-5		2	0									
			ND	ND									
157	neuronal membrane glycoprotein M6-A	31.9	7	0									
			ND	ND		14149619	1263038						
	18/19,18-20		5	0									
	18		2	0									
158	neuronal membrane glycoprotein M6-B	36.9	4	0									
	20		1	0		9502121	12855370	547882	12963495				
			ND	ND									
	17,17-21		3	0									

159	NTT4/Rxt1	81.8	3	0	Masson J. et al. Eur J Neurosci. 11:1349-61. (1999)								
			ND	ND	400631	2143866							
	39		2	0									
	37		1	0									
160	thy-1	18.4	8	0	Lemansky P. et al. J Cell Biol. 110:1525-31. (1990)								
	14		1	0	6981654	223595	207308	57358					
	13/14/15,13-15		3	0									
	13/14,13-15		5	0									
Calcium & phosphate (23)													
161	14-3-3 epsilon	29.3	13	0									
	18		3	0	5803225	13928824	530049	284658	14745898	249996			
	18		5	0									
	17,17-18		5	0									
162	14-3-3 eta	28.3	2	0									
	17		1	0	284656	4507951	6756037	1526541	437363	28862	486669	481365	
			ND	ND									
	16		1	0									
163	14-3-3 gamma	28.4	5	0									
	17		2	0	2852385	9256646	108451	112692	9507245	27807401	18266846	6912746	
	17		1	0									
	16/17,16-17		2	0									
164	14-3-3 zeta or delta	27.9	11	0									
	16/17,16-17		2	0	2136692	2143554	1841387	1526539	7435027	6756041	13487931	4507953	112696
	17,16-17		6	0									
	16,15-16		3	0									
165	annexin II	39.2	2	0	Turpin E. et al. Biochim Biophys Acta. 1402:115-30. (1998)								
	23		1	0	2143593	12849385	4757756	9845234	9247201	6996913	113948		
	22		1	0									
			ND	ND									
166	annexin V	35.7	14	0									
	19		2	0	4139952	4139938	4139951	2981437	14488466	6978505	4139953	1421099	
	19		6	0									
	19,18-19		6	0									
167	annexin VI	76.1	11	0	Turpin E. et al. Biochim Biophys Acta. 1402:115-30. (1998)								
	39		1	0	13994159	7304891	13542782						
	38		6	0									
	35		4	0									
168	calbindin-d28k, cerebellar Ca-binding protein	30.2	2	0									
	15		1	0	2119348	14010887	6753242	203237					
			ND	ND									
	14		1	0									
169	calcineurin B-like protein (p22)	22.4	2	0									
			ND	ND	6005731	9790225							
	12		1	0									
	14		1	0									
170	calcineurin A (PP2A) or PP3alpha	58.2	3	0	Marks B. & McMahon HT. Curr Biol. 8:740-9. (1998)								
			ND	ND	4584820	8394030	179808	192657	14209665	108556	6715568	627802	
	35		1	0									
	17/32,17-32		2	0									
171	calcium/calmodulin-dependent protein kinase II alpha subunit; Ca2+/calmodulin-depe	54.1	5	0									
			ND	ND	6978593	6753250	90334	20177970	4589580	14734101	7706286	125284	
	30		1	0									
	27/28,27-28		4	0									
172	casein kinase II alpha1	44.5	6	0	Su B. Hanson V. et al. J Neurosci Res. 29:461-73. (1991)								
	27		2	0	7106275	1094400	92064	729878	4503095	16758674			
	26,25-26		3	0									
	24		1	0									
173	casein kinase II alpha2	41.4	4	0	Su B. Hanson V. et al. J Neurosci Res. 29:461-73. (1991)								
	25		1	0	6753540	4503097	1170623	27807145					

	23/24,23-24		2	0										
	23		1	0										
174	casein kinase II, beta subunit	24.9	5	0										
	15		3	0	7106277	108264	89457	181155						
	15		2	0										
			ND	ND										
175	GAP43 / neuromodulin	23.7	9	0	Neve RL. et al. J Neurosci. 18:7757-67. (1998)									
	30		2	0	6679935	8393415								
	30/31,30-31		4	0										
	27,26-27		3	0										
176	FK506-binding protein 1	11.9	3	0	Lai MM. et al. J Biol Chem. 274:25963-66(1999)									
	1		2	0	6978843	2499772	17985953							
	3		1	0										
			ND	ND										
177	neurocalcin delta	22.3	2	0	Ivings L. et al. Biochem J. 363:599-608. (2002)									
	9		1	0	14743701	127961	1072435							
	8		1	0										
			ND	ND										
178	peptidylprolyl isomerase A (cyclophilin A)	18.1	9	0	Lai MM. et al. J Biol Chem. 274:25963-66(1999)									
	4,4-5		4	0	8394009	10863927	9957875	12804335	12846244	12849271	118098	3659980	6679439	2981731
	6,5-6		5	0										
			ND	ND										
179	PKA	40.5	2	0	Hu MC. et al. J Biol Chem. 276:26906-15. (2001)									
	27		1	0	576052	4506055	1346363	8568081	11493951	2098412	493956	200367	7110693	125207
	26		1	0										
			ND	ND										
180	cAMP-dependent protein kinase type II-beta regulatory chain	46.1	4	0										
			ND	ND	400117	27807179	279517	4506065	285216	400116				
	31		1	0										
	29		3	0										
181	plasma membrane Ca2+ ATPase (isoform 2) (PMCA2)	133.7	16	0										
			ND	ND	5714364	6978557	6753140	14286100	14285350					
	46,46-47		5	0										
	44		11	0										
182	visinin-like 1 (VILIP1)	22.2	16	0										
	7,7-9		10	0	6755983	4507905	256235	6440479	1072437	13874454				
	8		4	0										
	10/11,10-11		2	0	Y									
183	visinin-like 3 (VILIP3)	22.5	8	0										
	8		3	0	7949055	13637673	4504475	584836	15297566					
	8/9,8-9		4	0										
	11		1	0										
Other (18)														
184	acidic nuclear phosphoprotein 32 (LANP)	28.7	16	0										
	18		3	0	6978499	12851630	2589216	6753056						
	18,18-19		10	0										
	16/17/18,16-18		3	0										
185	brain-specific protein p25 alpha	23.8	2	0										
	16		1	0	5902018	2498194	27806767							
			ND	ND										
	15		1	0										
186	CDC10	50.8	4	0										
			ND	ND	4502695	12018296	9789726	27804327						
	30,30-31		3	0										
	27		1	0										
187	crmp-2	62.5	18	0										
	38		1	0	1351260	6753676	3122018							
	37,36-37		3	0										
	34,33-37		14	0										

188	glycoprotein 55/65	44.2	3	0												
			ND	ND		9507073	6677897	7512826	6912646							
	31/32,31-32		2	0												
	33		1	0												
189	hemoglobin alpha 1	15.5	3	0												
	1		2	0		6981010	1304381									
			ND	ND												
	10		1	0												
190	hemoglobin beta 2	15.9	7	2	I											
	1		6	0		8048915	423675	802111	818015	92362	4760588					
	3		1	1												
	10		0	1												
191	hemoglobin beta major form	16	2	2	I											
	2		1	0		204570	17985949	546056	122514	984679						
	3		1	1												
	10		0	1												
192	Hsp90 (Hsp86)	85.1	5	0												
			ND	ND		6754254	1170383	20149594	20177936	27681923	194027	123681				
	41		4	0												
	38		1	0												
193	myelin gene expression factor 2	58.7	8	0												
			ND	ND		7706615	10434915	1363224	7243063	536926						
	37		1	0												
	33,32-33		7	0												
194	N-myc downstream regulated protein 2	41.1	10	0												
	28,28-30		3	0		7305305	12833984	17977870	18478482	19424278	6330847	15810750	14714638			
	27		3	0												
	25,25-26		4	0												
195	parvalbumin; Parvalbumin (calcium binding protein)	11.9	3	0												
	1		1	0		11968064	7949119	7441489	494573	3334478	15987986					
	4		1	0												
	10		1	0												
196	Peroxiredoxin 2 (Thioredoxin peroxidase 1)	21.9	2	0												
	12		1	0		2499469	8394432	3603241	12837636	12846252						
			ND	ND												
	13		1	0												
197	phosphatidylethanolamine binding protein	20.9	11	0												
	12,3-13		6	0		8393910	406294	9256572	111291	89407	1085438	2135819	4389366	1352725	9453889	
	11,11-12		3	0												
	13		2	0												
198	Rap2-interacting protein 8	50.4	30	0												
	30,27-33		11	0		5730015	14772515	7949125	11280750	2352022						
	29/32,28-33		7	0												
	29,26-30		12	0												
199	reticulon 3	25.6	8	0												
	14,13-14		3	0		13633928	5174655	16716353								
	14,14-15		4	0												
	13		1	0												
200	rS-Rex-s	23.6	7	0												
	10,9-11		4	0		1143717	281046	12643485	14753010	10863935	14753004	14752996	16758732			
	10		1	0												
	11/12,11-12		2	0												
201	synaptotagmin related gene 1	46.6	3	0												
	30		1	0		1772658	19527400	20301966								
			ND	ND												
	27		2	0												
novel proteins (8)																
202	Homolog to PTD004	30.7	2	0												
	29		1	0		12859193	12850087	12846524	9558757	12857237	11280366	12850183	24431969	15530273	21313144	
			ND	ND												

	26		1	0							
203	KIAA0171 (enthoprotin)	68.3	44	0	Wasiak S. et al. J Cell Biol. 158:855-62. (2002)						
	39/40,33-40		11	0		7661968					
	34,32-40		25	0							
	37,36-37		8	0							
204	KIAA1048 (AAK1)	93.5	62	0	Conner SD. & Schmid SL. J Cell Biol. 156:921-9. (2002)						
	47,39-47		7	0		7662462	12803719	12728973	5689433		
	46,28-47		19	0							
	44,27-44		36	0							
205	KIAA1360	82.5	3	0							
			ND	ND		7243101	8922218	14042309	10436614		
	41		1	0							
	39/40,39-40		2	0							
206	KIAA1435 (FENS1)	47.3	12	0							
	28		2	0		7243268	14728270	10435345	18482373		
	27,26-28		7	0							
	25		3	0							
207	NECAP 1	29.6	23	0							
	26,22-28		7	0		15079260	13385774				
	25/26,19-27		10	0							
	23,23-25		6	0	Y						
208	NECAP 2	28.6	4	0							
	18		1	0		13384758	10435511	8922416	10440450		
	18		1	0							
	17/18,17-18		2	0	Y						
209	SEC14 domain	40.7	12	0							
	21		1	0		12855458	20821325	13874579	13676421	18571255	
	20/22/23,20-23		3	0							
	22,21-23		8	0							

The gel band number represents the band in which the peak number of peptides were identified for each protein within each preparation. The range of bands from which peptide matches were obtained is also indicated. The number of specific and shared peptides is indicated for the corresponding protein. Proteins with like lower case letters share peptides. The upper case Y indicates proteins that were validated by Western blot in Fig 3. Not detected (ND) denotes the lack of identifiable peptides in the indicated preparation. References are given for those proteins previously linked to clathrin-mediated vesicle trafficking.