

Supplementary Table S-1. Summary of peptidomics results of *pcd* mice versus wild-type mice. Abbreviations: Cyto, cytosolic; Lyso, lysosomal; Memb, membrane; Mito, mitochondrial; Ac, acetyl; Mox, methionine oxide; z, charge; #T, number of isotopic tags incorporated into peptide; Obs. Mass, observed mass (note; most masses are monoisotopic, exceptions are in italics, which are average masses); Theor. mass, theoretical mass; WT/WT Avg and SD, average ratio and standard deviation of peptide among WT groups in replicate; *pcd*/WT Avg and SD, average ratio and standard deviation of peptide level in *pcd* groups, relative to WT groups in replicate; ND, not detected. Color and group: dark green, ratio <0.33 (group 1); light green, ratio 0.33-0.66 (group 2); yellow, ratio 0.67-1.49 (group 3); light red, ratio 1.50-3.0 (group 4); bright red, ratio >3.0 (group 5). Parenthesis around the amino acid sequence indicate tentative identification, all others were confirmed by MS/MS sequencing.

Precursor	Sub-cellular Location	Peptide name or region	Peptide sequence	Region	z	#T	Obs Mass	Theor Mass	WT/WT		<i>pcd</i> /WT		Group
									Avg	SD	Avg	SD	
Actin (beta or gamma)	Cyto	170-178 of gamma	LPHAILRL	Amygdala	3	1	931.55	931.60	nd		>5		5
Actin (beta or gamma)	Cyto	170-178 of gamma	LPHAILRL	Amygdala	3	1	931.60	931.60	nd		>5		5
Actin (beta or gamma)	Cyto	170-178 of gamma	LPHAILRL	Hypothalamus	3	1	931.59	931.60	nd		>5		5
Actin (beta or gamma)	Cyto	170-178 of gamma	ALPHAILRL	Amygdala	3	1	1002.59	1002.64	1.11	0.63	3.38	0.38	5
Actin (beta or gamma)	Cyto	170-178 of gamma	ALPHAILRL	Hypothalamus	3	1	1002.64	1002.64	1.00	0.06	2.06	0.17	4
Actin (beta or gamma)	Cyto	95-108	RVAPEEHPVLLTEA	Amygdala	3	1	1559.88	1559.83	nd		>5		5
Actin (beta or gamma)	Cyto	95-108	RVAPEEHPVLLTEA	Cortex	3	1	1559.86	1559.83	nd		>5		5
Actin (beta or gamma)	Cyto	95-108	RVAPEEHPVLLTEA	Hypothalamus	3	1	1559.84	1559.83	nd		>5		5
Actin (beta or gamma)	Cyto	95-108	RVAPEEHPVLLTEA	Hypothalamus	3	1	1559.86	1559.83	nd		>5		5
Actin (beta or gamma)	Cyto	95-108	RVAPEEHPVLLTEA	Striatum	3	1	1559.85	1559.83	nd		>5		5
ATP synthase subunit d, mitochondrial	Mito	N-term	Ac-AGRKLALKTIDWVSF	Amygdala	3	2	1746.00	1745.98	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PKFEVIDKPQS	Hypothalamus	3	2	1286.69	1286.69	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PKFEVIDKPQS	Hypothalamus	3	2	1286.71	1286.69	nd		>5		5
ATP Synthase, subunit F	Mito	97-109	GKGEMDTFPTFKF	Amygdala	3	2	1503.65	1503.71	nd		>5		5
ATP Synthase, subunit F	Mito	97-109	GKGEMDTFPTFKF	Cortex	3	3	1503.69	1503.71	nd		>5		5
ATP Synthase, subunit F	Mito	97-109	GKGEMDTFPTFKF	Hypothalamus	3	2	1503.68	1503.71	nd		>5		5
ATP Synthase, subunit F	Mito	97-109	GKGEMDTFPTFKF	Hypothalamus	3	3	1503.70	1503.71	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Amygdala	2	2	1516.72	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Amygdala	2	2	1516.73	1516.74	nd		>5		5

ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Amygdala	3	2	1516.65	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Amygdala	3	3	1516.69	1516.74	nd		>3		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Amygdala	3	3	1516.71	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Cortex	3	3	1516.72	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	2	2	1516.78	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	3	2	1516.72	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	3	2	1516.74	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	3	2	1516.75	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	3	3	1516.73	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Hypothalamus	3	3	1516.75	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Prefrontal Cortex	3	3	1516.74	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	DDPKFEVIDKPQS	Striatum	3	3	1516.73	1516.74	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	KFDDPKFEVIDKPQS	Amygdala	4	3	1791.84	1791.90	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	KFDDPKFEVIDKPQS	Cortex	4	4	1791.92	1791.90	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	KFDDPKFEVIDKPQS	Hypothalamus	4	3	1791.92	1791.90	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	KFDDPKFEVIDKPQS	Hypothalamus	4	4	1791.90	1791.90	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	KFDDPKFEVIDKPQS	Striatum	4	4	1791.94	1791.90	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PTFKFDDPKFEVIDKPQS	Amygdala	4	3	2137.04	2137.06	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PTFKFDDPKFEVIDKPQS	Amygdala	4	4	2137.01	2137.06	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PTFKFDDPKFEVIDKPQS	Hypothalamus	4	3	2137.04	2137.06	nd		>5		5
ATP Synthase, subunit F	Mito	C-term	PTFKFDDPKFEVIDKPQS	Striatum	4	4	2137.08	2137.06	nd		>5		5
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDDGTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGDQVNYEEFVQMMTAK	Amygdala	11	7	16790.03	16790.54	1.00	0.11	0.83	0.04	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDDGTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGDQVNYEEFVQMMTAK	Amygdala	11	7	16790.53	16790.54	1.03	0.32	0.85	0.13	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDDGTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGDQVNYEEFVQMMTAK	Amygdala	12	7	16789.51	16790.54	1.00	0.09	0.79	0.00	3
Calmodulin	Cyto	Entire protein, with	Ac-ADQLTEEQIAEFKEAFSLFDKDGDDGTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREFRVFDKDGNGYISAAELRHVMTNLGEK	Amygdala	12	7	16790.63	16790.54	1.04	0.33	0.81	0.12	3

		trimethyl-Lys115	LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK										
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	13	7	16789.41	16790.54	1.01	0.12	0.78	0.07	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	13	7	16790.03	16790.54	1.03	0.27	0.79	0.11	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	14	7	16789.06	16790.54	1.00	0.10	0.88	0.03	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	14	7	16790.01	16790.54	1.03	0.28	0.86	0.14	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	15	7	16789.55	16790.54	1.01	0.14	0.80	0.07	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	15	7	16790.15	16790.54	1.03	0.27	0.88	0.15	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	16	7	16789.68	16790.54	1.00	0.10	0.78	0.10	3
Calmodulin	Cyto	Entire protein, with trimethyl-Lys115	Ac-ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR SLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKM KDTDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEK LTDEEVDEMIREADIDGGQVNYEEFVQMMTAK	Amygdala	16	7	16790.13	16790.54	1.01	0.20	0.85	0.15	3
Cathepsin D	Lyso	138-155	YTVFDRDNNRVGFANAVV	Hypothalamus	3	1	2056.01	2056.01	1.03	0.33	0.74	0.05	3
Clathrin light chain A	Cyto	C-term	KQAPLVH	Prefrontal Cortex	3	2	791.47	791.47	1.11	0.63	4.91	1.23	5
Clathrin light chain A	Cyto	C-term	KQAPLVH	Cortex	3	2	791.48	791.47	nd		>5		5
Clathrin light chain A	Cyto	C-term	KQAPLVH	Striatum	3	2	791.49	791.47	1.02	0.21	4.33	0.87	5
Clathrin light chain A	Cyto	C-term	SLKQAPLVH	Amygdala	3	1	991.58	991.59	nd		>5		5
Clathrin light chain A	Cyto	C-term	SLKQAPLVH	Cortex	3	2	991.54	991.59	nd		>5		5
Clathrin light chain A	Cyto	C-term	SLKQAPLVH	Hypothalamus	3	1	991.59	991.59	1.06	0.42	6.50	4.17	5

Clathrin light chain A	Cyto	C-term	SLKQAPLVH	Prefrontal Cortex	3	2	991.59	991.59	nd		>5		5
Clathrin light chain A	Cyto	C-term	SLKQAPLVH	Striatum	3	2	991.55	991.59	nd		>5		5
Clathrin light chain A	Cyto	C-term	SVLISLKQAPLVH	Amygdala	3	1	1403.81	1403.85	nd		>5		5
Clathrin light chain A	Cyto	C-term	SVLISLKQAPLVH	Hypothalamus	3	1	1403.85	1403.85	1.01	0.14	4.59	1.41	5
Clathrin light chain A	Cyto	164-187	AEEAFVNDIDESSPGTEWERVERL	Amygdala	3	1	2719.33	2719.27	nd		>5		5
Clathrin light chain B	Cyto	C-term	KQTPLSR	Prefrontal Cortex	3	2	828.48	828.48	nd		>3		5
Clathrin light chain B	Cyto	C-term	KQTPLSR	Striatum	3	2	828.50	828.48	nd		>5		5
Clathrin light chain B	Cyto	C-term	SLKQTPLSR	Prefrontal Cortex	3	2	1028.58	1028.60	nd		>3		5
Cofilin, non-muscle isoform (Cofilin-1)	Cyto	N-term	Ac-ASGVAVSDGVIKV	Cortex	2	1	1242.66	1242.68	nd		>3		5
Cofilin, non-muscle isoform (Cofilin-1)	Cyto	N-term	Ac-ASGVAVSDGVIKV	Hypothalamus	2	1	1242.68	1242.68	nd		>5		5
Cofilin, non-muscle isoform (Cofilin-1)	Cyto	N-term	Ac-ASGVAVSDGVIKV	Prefrontal Cortex	2	1	1242.65	1242.68	nd		>3		5
Cofilin, non-muscle isoform (Cofilin-1)	Cyto	N-term	Ac-ASGVAVSDGVIKV	Striatum	2	1	1242.66	1242.68	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	126-132	RPTLNEL	Cortex	2	1	841.48	841.47	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	126-132	RPTLNEL	Hypothalamus	2	1	841.47	841.47	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	126-132	RPTLNEL	Striatum	2	1	841.45	841.47	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	79-87	VPEPKIIDA	Amygdala	2	1	980.53	980.55	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	79-87	VPEPKIIDA	Cortex	2	2	980.52	980.55	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	79-87	VPEPKIIDA	Hypothalamus	2	2	980.54	980.55	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	79-87	VPEPKIIDA	Striatum	2	2	980.57	980.55	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	57-66	NKPDIDAWEL	Striatum	2	2	1199.58	1199.58	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	77-87	DLVPEPKIIDA	Cortex	2	2	1208.66	1208.67	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	77-87	DLVPEPKIIDA	Hypothalamus	2	2	1208.65	1208.67	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	96-107	NDFASAVRILEV	Amygdala	2	1	1332.70	1332.70	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	96-107	NDFASAVRILEV	Cortex	2	1	1332.70	1332.70	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	96-107	NDFASAVRILEV	Striatum	2	1	1332.71	1332.70	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Amygdala	2	2	1356.67	1356.71	nd		>5		5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Cortex	2	2	1356.68	1356.71	nd		>5		5

Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Striatum	2	2	1356.66	1356.71	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Amygdala	2	2	1356.66	1356.71	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Amygdala	2	2	1356.68	1356.71	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Hypothalamus	2	2	1356.71	1356.71	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	GISTPEELGLDKV	Hypothalamus	2	2	1356.74	1356.71	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	RPTLNELGISTPEELGLDKV	Amygdala	3	1	2180.16	2180.17	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	RPTLNELGISTPEELGLDKV	Amygdala	3	2	2180.15	2180.17	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	RPTLNELGISTPEELGLDKV	Cortex	3	2	2180.22	2180.17	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	RPTLNELGISTPEELGLDKV	Hypothalamus	3	2	2180.17	2180.17	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	LRPTLNELGISTPEELGLDKV	Amygdala	3	1	2293.29	2293.25	nd		>5	5
Cytochrome C oxidase subunit 5a	Mito	C-term	LRPTLNELGISTPEELGLDKV	Amygdala	3	2	2293.25	2293.25	nd		>5	5
Cytochrome C oxidase subunit 6a	Mito	49-57	LPGVGVSMML	Hypothalamus	2	1	871.47	871.48	nd		>5	5
Cytochrome C oxidase subunit 6a	Mito	46-57	FVALPGVGVSMML	Amygdala	2	1	1188.69	1188.66	nd		>5	5
Cytochrome C oxidase subunit 6a	Mito	98-111	NPHVNPLPTGYEDE	Striatum	2	1	1580.73	1580.71	nd		>5	5
Cytochrome C oxidase subunit 6a	Mito	96-111	FHNPHVNPLPTGYEDE	Hypothalamus	3	1	1864.84	1864.83	nd		>5	5
Cytochrome C oxidase subunit 6a	Mito	96-111	FHNPHVNPLPTGYEDE	Striatum	3	1	1864.86	1864.83	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKI	Hypothalamus	2	2	958.52	958.53	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Amygdala	3	3	1363.64	1363.73	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Hypothalamus	3	3	1363.69	1363.73	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Hypothalamus	3	3	1363.74	1363.73	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	13-17	KTAPFDSRFPNQNT	Amygdala	3	2	1749.84	1749.84	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	13-17	KTAPFDSRFPNQNT	Hypothalamus	3	2	1749.84	1749.84	nd		>5	5
Cytochrome C oxidase subunit 6b	Mito	13-17	KTAPFDSRFPNQNT	Hypothalamus	3	2	1749.84	1749.84	nd		>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKI	Cortex	2	2	958.50	958.53	nd		>3	5
Cytochrome c oxidase subunit 6b	Mito	N-term	(Ac-AEDIKTKIK)	Hypothalamus	3	3	1086.63	1086.63	nd		>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Amygdala	3	3	1363.64	1363.73	nd		>3	5

Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Amygdala	3	3	1363.68	1363.73	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Cortex	3	3	1363.69	1363.73	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Hypothalamus	3	3	1363.64	1363.73	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Prefrontal Cortex	3	3	1363.72	1363.73	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNY	Striatum	3	3	1363.69	1363.73	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Amygdala	3	1	1417.65	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Amygdala	3	2	1417.64	1417.72	nd	>3	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Amygdala	3	2	1417.70	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Cortex	3	2	1417.75	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Hypothalamus	3	1	1417.72	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Hypothalamus	3	2	1417.72	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Hypothalamus	3	2	1417.72	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Prefrontal Cortex	3	2	1417.72	1417.72	nd	>3	5
Cytochrome c oxidase subunit 6b	Mito	C-term	DDRIAEGTFPGKI	Striatum	3	2	1417.69	1417.72	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Amygdala	4	4	1592.76	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Amygdala	4	4	1592.76	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Cortex	4	4	1592.85	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Hypothalamus	3	4	1592.86	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Hypothalamus	4	4	1592.84	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	Ac-AEDIKTKIKNYKT	Hypothalamus	4	4	1592.85	1592.88	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	N-term	(Ac-AEDIKTKIKNYKTA)	Amygdala	4	4	1663.87	1663.91	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Hypothalamus	3	2	1674.83	1674.84	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Amygdala	3	1	1674.79	1674.84	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Amygdala	3	2	1674.84	1674.84	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Amygdala	3	2	1674.85	1674.84	nd	>5	5
Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Hypothalamus	3	1	1674.82	1674.84	nd	>5	5

Cytochrome c oxidase subunit 6b	Mito	C-term	AWDDRIAEGTFPGKI	Striatum	3	2	1674.86	1674.84	nd		>5		5
Cytochrome c oxidase subunit 6b	Mito	13-27	KTAPFDSRFPNQNQT	Cortex	3	2	1749.90	1749.84	nd		>5		5
Cytochrome c oxidase subunit 6b	Mito	13-27	KTAPFDSRFPNQNQT	Prefrontal Cortex	3	2	1749.83	1749.84	nd		>3		5
Cytochrome c oxidase subunit 6b	Mito	13-27	KTAPFDSRFPNQNQT	Striatum	3	2	1749.84	1749.84	nd		>5		5
Cytochrome c oxidase subunit 6b	Mito	C-term	VSAWDDRIAEGTFPGKI	Amygdala	3	1	1860.94	1860.93	nd		>5		5
Cytochrome c oxidase subunit 6b	Mito	C-term	VSAWDDRIAEGTFPGKI	Hypothalamus	3	1	1860.95	1860.93	nd		>5		5
Cytochrome C oxidase subunit 7b	Mito	N-term	SHQKRAPSFHDKYGNAILA	Amygdala	4	2	2139.06	2139.11	1.11	0.55	3.86	2.57	5
Cytochrome C oxidase subunit 7b	Mito	N-term	SHQKRAPSFHDKYGNAILA	Amygdala	5	2	2139.12	2139.11	1.45	1.40	1.50	0.71	4
Cytochrome C oxidase subunit 7b	Mito	N-term	SHQKRAPSFHDKYGNAILA	Hypothalamus	4	2	2139.13	2139.11	1.00	0.11	2.05	0.95	4
Cytochrome C oxidase subunit 7b	Mito	N-term	SHQKRAPSFHDKYGNAILA	Hypothalamus	5	2	2139.12	2139.11	1.01	0.12	0.53	0.53	2
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	C-term	VEKVDELKKKYGI	Amygdala	4	4	1547.82	1547.89	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	36-50	TVGDVNTDRPGLLDL	Amygdala	2	1	1583.83	1583.82	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	36-50	TVGDVNTDRPGLLDL	Hypothalamus	2	1	1583.82	1583.82	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	36-50	TVGDVNTDRPGLLDL	Hypothalamus	2	1	1583.85	1583.82	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLK	Amygdala	4	3	1889.93	1889.98	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLK	Hypothalamus	4	3	1889.98	1889.98	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLK	Hypothalamus	4	3	1889.98	1889.98	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	33-50	KQATVGDVNTDRPGLLDL	Amygdala	3	1	1910.96	1911.01	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	33-50	KQATVGDVNTDRPGLLDL	Amygdala	3	2	1910.97	1911.01	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	33-50	KQATVGDVNTDRPGLLDL	Hypothalamus	3	1	1911.03	1911.01	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	33-50	KQATVGDVNTDRPGLLDL	Hypothalamus	3	2	1911.01	1911.01	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	33-50	KQATVGDVNTDRPGLLDL	Hypothalamus	3	2	1911.03	1911.01	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-74	AEEVKRLKTQPTDEEML	Hypothalamus	3	3	2016.02	2016.02	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-74	AEEVKRLKTQPTDEEML	Hypothalamus	4	3	2016.02	2016.02	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-77	AEEVKRLKTQPTDEEMLFIY	Amygdala	4	2	2439.20	2439.24	nd		>5		5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-77	AEEVKRLKTQPTDEEMLFIY	Hypothalamus	3	3	2439.23	2439.24	nd		>5		5

Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-77	AEEVKRLKTQPTDEEMLFYI	Hypothalamus	4	2	2439.21	2439.24	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	58-77	AEEVKRLKTQPTDEEMLFYI	Hypothalamus	4	3	2439.23	2439.24	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEML	Amygdala	4	3	2934.26	2934.43	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEML	Hypothalamus	4	3	2934.43	2934.43	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEML	Hypothalamus	4	3	2934.52	2934.43	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFI	Amygdala	4	3	3194.63	3194.58	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFI	Hypothalamus	4	3	3194.53	3194.58	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFYI	Amygdala	4	3	3357.58	3357.64	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFYI	Amygdala	4	3	3357.63	3357.64	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFYI	Hypothalamus	4	3	3357.70	3357.64	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFYI	Hypothalamus	4	3	3357.63	3357.64	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYS	Amygdala	4	3	3444.78	3444.68	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYS	Hypothalamus	4	3	3444.70	3444.68	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYSHF	Amygdala	4	3	3728.81	3728.79	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYSHF	Amygdala	5	3	3728.74	3728.79	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYSHF	Amygdala	5	3	3728.80	3728.79	nd		>5	5
Diazepam binding inhibitor (Acyl-CoA-binding protein)	Cyto	N-term	Ac-SQAEFDKAAEEVKRLKTQPTDEEMLFIYSHF	Hypothalamus	5	3	3728.77	3728.79	nd		>5	5
Excitatory amino acid transporter 1 (Solute carrier family 1, member 3)	Memb	174-182	IRNMFPPNL	Striatum	2	1	1100.58	1100.58	nd		>5	5
Excitatory amino acid transporter 1 (Solute carrier family 1, member 3)	Memb	174-184	IRNMFPPNLVE	Hypothalamus	2	1	1328.70	1328.69	nd		>5	5
FK506-binding protein 1A (FKBP12)	Cyto	C-term	VFDVELLKLE	Cortex	2	2	1203.70	1203.68	nd		>5	5
FK506-binding protein 1A (FKBP12)	Cyto	N-term	GVQVETISPGDGRTFPKRGQT	Amygdala	4	2	2229.18	2229.15	nd		>3	5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLLPL	Amygdala	2	1	1288.74	1288.73	nd		>5	5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLLPLFDRV	Amygdala	3	1	1805.99	1805.98	nd		>5	5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLLPLFDRV	Amygdala	3	1	1805.99	1805.98	nd		>5	5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLLPLFDRV	Amygdala	3	1	1806.00	1805.98	nd		>5	5

Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRV	Hypothalamus	3	1	1805.97	1805.98	nd		>5		5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRVLVER	Amygdala	4	1	2303.32	2303.29	nd		>5		5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRVLVER	Amygdala	4	1	2303.33	2303.29	nd		>5		5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRVLVERS	Amygdala	4	1	2390.29	2390.32	nd		>5		5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRVLVERS	Amygdala	4	1	2390.38	2390.32	nd		>5		5
Heat shock protein 1 (chaperonin 10)	Mito	N-term	Ac-AGQAFRKFLPLFDRVLVERS	Hypothalamus	4	1	2390.28	2390.32	nd		>5		5
Hemoglobin alpha	Cyto	C-term	STVLTSKYR	Striatum	3	2	1053.60	1053.58	nd		>5		5
Hemoglobin alpha	Cyto	N-term	VLSGEDKSNIKA	Striatum	3	3	1259.64	1259.67	nd		>5		5
Hemoglobin alpha	Cyto	C-term	ASVSTVLTSKYR	Amygdala	3	2	1310.71	1310.72	nd		>5		5
Hemoglobin alpha	Cyto	2-14	VLSGEDKSNIKAA	Hypothalamus	3	3	1330.69	1330.71	1.14	0.70	>10		5
Hemoglobin alpha	Cyto	2-14	VLSGEDKSNIKAA	Amygdala	3	2	1330.66	1330.71	1.00	0.01	7.50	6.50	5
Hemoglobin alpha	Cyto	2-14	VLSGEDKSNIKAA	Hypothalamus	3	2	1330.70	1330.71	2.40	3.02	3.58	3.35	5
Hemoglobin beta	Cyto	6-17	DAEKAAVSGLWG	Striatum	2	2	1202.54	1202.59	1.03	0.31	2.45	0.18	4
Hemoglobin beta	Cyto	N-term	VHLTDAEKAAVS	Hypothalamus	2	2	1239.64	1239.65	1.32	1.15	2.33	0.03	4
Hemoglobin beta	Cyto	N-term	VHLTDAEKAAVS	Hypothalamus	3	2	1239.60	1239.65	nd		>10		5
Hemoglobin beta	Cyto	N-term	VHLTDAEKAAVS	Hypothalamus	3	2	1239.65	1239.65	1.57	1.64	2.55	0.27	4
Macrophage migration inhibitory factor	Cyto	11-27	PRASVPEGFLSELTQQL	Cortex	2	1	1870.96	1870.98	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Amygdala	2	1	2105.17	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Amygdala	3	1	2105.11	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Amygdala	3	2	2105.02	2105.13	nd		>3		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Amygdala	3	2	2105.11	2105.13	nd		>3		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Amygdala	3	2	2105.12	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Cortex	3	2	2105.12	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Hypothalamus	3	1	2105.15	2105.13	1.06	0.39	>10	6.60	5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Hypothalamus	3	2	2105.13	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Hypothalamus	3	2	2105.17	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Prefrontal Cortex	3	2	2105.05	2105.13	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-47	AQATGKPAQYIAVHVVPDQL	Striatum	3	2	2105.10	2105.13	nd		>5		5

Macrophage migration inhibitory factor	Cyto	N-term	PMFIVNTNVPRASVPEGFLSEL	Amygdala	3	1	2416.29	2416.25	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-50	AQATGKPAQYIAVHVVPDQLMTF	Amygdala	3	1	2484.31	2484.28	nd		>5		5
Macrophage migration inhibitory factor	Cyto	28-50	AQATGKPAQYIAVHVVPDQLMTF	Hypothalamus	3	1	2484.25	2484.28	1.00	0.09	2.82	0.54	4
Macrophage migration inhibitory factor	Cyto	N-term	PMFIVNTNVPRASVPEGFLSELTQQL	Amygdala	3	1	2886.50	2886.50	nd		>3		5
Macrophage migration inhibitory factor	Cyto	N-term	PMFIVNTNVPRASVPEGFLSELTQQL	Amygdala	3	1	2886.50	2886.50	nd		>5		5
Macrophage migration inhibitory factor	Cyto	N-term	PMFIVNTNVPRASVPEGFLSELTQQL	Amygdala	3	1	2886.56	2886.50	nd		>5		5
Macrophage migration inhibitory factor	Cyto	N-term	PMFIVNTNVPRASVPEGFLSELTQQL	Amygdala	4	1	2886.56	2886.50	nd		>5		5
Microtubule-associated protein tau	Cyto	C-term	ADEVASLAKQGL	Hypothalamus	2	2	1287.67	1287.67	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYL	Amygdala	3	2	1589.87	1589.86	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYL	Amygdala	4	2	1589.82	1589.86	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYL	Cortex	3	2	1589.90	1589.86	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYL	Cortex	4	2	1589.85	1589.86	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLA	Amygdala	3	2	1660.91	1660.91	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLA	Amygdala	4	2	1660.87	1660.91	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLA	Amygdala	4	2	1660.89	1660.91	1.00	0.06	2.35	0.16	4
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLA	Cortex	4	2	1660.88	1660.91	1.05	0.39	0.18	0.11	1
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLA	Hypothalamus	4	2	1660.92	1660.91	1.00	0.01	1.10	0.03	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Amygdala	3	2	1761.94	1761.96	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Amygdala	4	2	1761.88	1761.96	nd		>10		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Amygdala	4	2	1762.01	1761.96	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Cortex	3	1	1761.87	1761.96	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Cortex	3	2	1761.99	1761.96	1.07	0.44	0.81	0.42	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Cortex	4	1	1761.85	1761.96	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Cortex	4	2	1761.91	1761.96	1.26	0.94	1.00	0.21	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Cortex	5	1	1761.84	1761.96	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLAT	Hypothalamus	4	2	1761.96	1761.96	1.03	0.31	3.12	0.81	5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Amygdala	4	2	1832.95	1833.00	1.38	1.28	3.17	0.40	5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Amygdala	4	2	1832.98	1833.00	1.01	0.18	2.07	0.07	4
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Amygdala	4	2	1833.00	1833.00	1.03	0.28	4.17	0.39	5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Cortex	2	2	1833.06	1833.00	1.25	0.94	0.38	0.00	2

Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Cortex	3	2	1832.98	1833.00	1.16	0.69	0.41	0.14	2
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Cortex	4	2	1832.94	1833.00	1.15	0.68	1.00	0.09	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Hypothalamus	3	2	1833.03	1833.00	1.03	0.28	1.39	0.39	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Hypothalamus	4	2	1832.99	1833.00	1.12	0.57	1.46	0.49	3
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Hypothalamus	4	2	1833.00	1833.00	1.01	0.14	1.56	0.44	4
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Hypothalamus	4	2	1833.00	1833.00	1.00	0.01	1.61	0.54	4
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Prefrontal Cortex	4	2	1833.00	1833.00	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATA	Striatum	4	2	1832.98	1833.00	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATAS	Amygdala	4	2	1920.03	1920.03	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATAS	Cortex	3	2	1920.07	1920.03	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATAS	Cortex	4	2	1919.99	1920.03	nd		>5		5
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATAS	Hypothalamus	4	2	1920.06	1920.03	1.01	0.13	0.93	0.22	3
Myelin basic protein	Cyto	N-term	(Ac-ASQKRPSQRSKYLATAST)	Amygdala	4	2	2021.08	2021.08	1.03	0.33	4.50	0.64	5
Myelin basic protein	Cyto	N-term	(Ac-ASQKRPSQRSKYLATAST)	Cortex	4	2	2021.09	2021.08	1.49	1.47	1.30	0.22	3
Myelin basic protein	Cyto	N-term	(Ac-ASQKRPSQRSKYLATAST)	Hypothalamus	4	2	2021.08	2021.08	1.01	0.21	1.71	0.11	4
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATASTM	Hypothalamus	4	2	2152.15	2152.12	1.01	0.19	0.57	0.19	2
Myelin basic protein	Cyto	N-term	Ac-ASQKRPSQRSKYLATASTMD	Amygdala	4	2	2267.22	2267.14	1.02	0.21	1.04	0.23	3
Neurogranin	Cyto	54-68	KGPGGGGGAGGAR	Prefrontal Cortex	3	2	1191.65	1191.61	nd		>5		5
Neurogranin	Cyto	54-68	KGPGGGGGAGGAR	Striatum	3	2	1191.66	1191.61	nd		>5		5
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Amygdala	3	1	1903.93	1903.89	1.37	1.24	0.76	0.28	3
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Amygdala	3	1	1903.96	1903.89	1.31	1.11	0.76	0.31	3
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Amygdala	3	2	1903.94	1903.89	nd		>5		5
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Cortex	3	1	1903.98	1903.89	1.16	0.75	3.65	2.22	5
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Cortex	3	2	1903.93	1903.89	nd		>5		5
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Hypothalamus	3	1	1903.93	1903.89	1.07	0.44	1.29	0.04	3
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Prefrontal Cortex	3	1	1903.91	1903.89	1.18	0.81	1.71	0.36	4
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Prefrontal Cortex	3	2	1903.88	1903.89	nd		>5		5
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Striatum	3	1	1903.91	1903.89	1.10	0.58	2.80	0.67	4
Neurogranin	Cyto	C-term	KGPGGGGGAGGARGGAGGGPSGD	Striatum	3	2	1903.96	1903.89	nd		>5		5
PC4 and SFRS1-interacting protein (Lens	Nuc	N-term	Ac-TRDFKPGDLIFA	Amygdala	2	1	1420.72	1420.74	nd		>5		5

epithelium-derived growth factor)													
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Amygdala	2	1	1420.73	1420.74	nd		>3		5
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Amygdala	2	1	1420.75	1420.74	nd		>5		5
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Cortex	2	1	1420.76	1420.74	nd		>5		5
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Hypothalamus	2	1	1420.74	1420.74	nd		>5		5
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Hypothalamus	2	1	1420.77	1420.74	nd		>5		5
PC4 and SFRS1-interacting protein (Lens epithelium-derived growth factor)	Nuc	N-term	Ac-TRDFKPGDLIFA	Striatum	2	1	1420.73	1420.74	nd		>5		5
Peptidylprolyl isomerase A	Cyto	92-100	HTGPGILSM	Hypothalamus	2	1	911.46	911.45	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-48	STGEKGFY	Striatum	2	2	944.42	944.42	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-35	ADKVPKTAEN	Prefrontal Cortex	3	3	1071.57	1071.56	nd		>3		5
Peptidylprolyl isomerase A	Cyto	40-50	STGEKGFYKYG	Amygdala	3	2	1129.55	1129.54	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-50	STGEKGFYKYG	Striatum	3	3	1129.58	1129.54	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-92	EDENFILKH	Amygdala	3	1	1143.57	1143.56	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-92	EDENFILKH	Hypothalamus	3	2	1143.55	1143.56	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-92	EDENFILKH	Hypothalamus	3	2	1143.56	1143.56	nd		>5		5

Peptidylprolyl isomerase A	Cyto	84-92	EDENFILKH	Prefrontal Cortex	3	2	1143.56	1143.56	nd	>5	5
Peptidylprolyl isomerase A	Cyto	84-92	EDENFILKH	Striatum	3	2	1143.57	1143.56	nd	>5	5
Peptidylprolyl isomerase A	Cyto	30-39	PKTAENFRAL	Amygdala	3	1	1145.58	1145.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	30-39	PKTAENFRAL	Amygdala	3	1	1145.63	1145.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	30-39	PKTAENFRAL	Cortex	3	2	1145.57	1145.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	30-39	PKTAENFRAL	Hypothalamus	3	2	1145.61	1145.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	30-39	PKTAENFRAL	Striatum	3	2	1145.63	1145.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	12-22	ADDEPLGRVSF	Hypothalamus	2	1	1204.57	1204.57	nd	>5	5
Peptidylprolyl isomerase A	Cyto	12-22	ADDEPLGRVSF	Hypothalamus	2	1	1204.57	1204.57	nd	>5	5
Peptidylprolyl isomerase A	Cyto	12-22	ADDEPLGRVSF	Prefrontal Cortex	2	1	1204.59	1204.57	nd	>3	5
Peptidylprolyl isomerase A	Cyto	12-22	ADDEPLGRVSF	Striatum	2	1	1204.61	1204.57	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Amygdala	3	3	1218.56	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Amygdala	3	3	1218.60	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Cortex	3	3	1218.62	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Hypothalamus	3	3	1218.61	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Hypothalamus	3	3	1218.62	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Hypothalamus	3	3	1218.66	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Prefrontal Cortex	3	3	1218.62	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Striatum	2	3	1218.66	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Striatum	3	3	1218.57	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Amygdala	3	2	1218.57	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	26-36	ADKVPKTAENF	Amygdala	3	3	1218.62	1218.62	nd	>5	5
Peptidylprolyl isomerase A	Cyto	72-83	GTGGRSIYGEKF	Cortex	3	2	1270.65	1270.63	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Amygdala	3	2	1273.62	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Amygdala	3	3	1273.61	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Cortex	3	3	1273.62	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Hypothalamus	2	3	1273.68	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Hypothalamus	3	2	1273.63	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Hypothalamus	3	3	1273.67	1273.67	nd	>5	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Prefrontal Cortex	3	3	1273.67	1273.67	nd	>3	5
Peptidylprolyl isomerase A	Cyto	130-141	GKVKEGMNIVEA	Striatum	3	3	1273.66	1273.67	nd	>5	5

Peptidylprolyl isomerase A	Cyto	40-52	STGEKGFYKGS	Striatum	3	3	1303.64	1303.60	nd		>5		5
Peptidylprolyl isomerase A	Cyto	119-129	TEWLDGKHVVF	Amygdala	3	2	1329.69	1329.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	119-129	TEWLDGKHVVF	Striatum	3	2	1329.70	1329.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-37	ADKVPKTAENFR	Amygdala	4	2	1374.69	1374.73	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-37	ADKVPKTAENFR	Hypothalamus	4	2	1374.70	1374.73	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-38	(ADKVPKTAENFRA)	Amygdala	4	2	1445.79	1445.76	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-38	(ADKVPKTAENFRA)	Hypothalamus	4	2	1445.77	1445.76	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-38	(ADKVPKTAENFRA)	Striatum	4	3	1445.80	1445.76	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Amygdala	3	2	1450.65	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Hypothalamus	3	2	1450.63	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Amygdala	3	3	1450.63	1450.67	nd		>3		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Amygdala	3	3	1450.66	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Cortex	3	3	1450.70	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Hypothalamus	3	2	1450.68	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Hypothalamus	3	3	1450.67	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	40-53	STGEKGFYKGS	Prefrontal Cortex	3	3	1450.69	1450.67	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	3	2	1457.72	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	3	3	1457.72	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	4	2	1457.74	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	4	3	1457.68	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	4	3	1457.71	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Amygdala	4	3	1457.76	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Hypothalamus	3	3	1457.76	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Hypothalamus	4	2	1457.74	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Hypothalamus	4	3	1457.77	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Hypothalamus	4	3	1457.77	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	118-129	KTEWLDGKHVVF	Striatum	4	3	1457.82	1457.77	nd		>5		5
Peptidylprolyl isomerase A	Cyto	27-39	DKVPKTAENFRAL	Cortex	4	3	1487.86	1487.81	nd		>5		5
Peptidylprolyl isomerase A	Cyto	27-39	DKVPKTAENFRAL	Striatum	4	3	1487.83	1487.81	nd		>5		5
Peptidylprolyl isomerase A	Cyto	117-129	AKTEWLDGKHVVF	Amygdala	4	2	1528.76	1528.80	nd		>5		5
Peptidylprolyl isomerase A	Cyto	117-129	AKTEWLDGKHVVF	Hypothalamus	4	2	1528.83	1528.80	1.03	0.31	7.85	0.92	5
Peptidylprolyl isomerase A	Cyto	117-129	AKTEWLDGKHVVF	Hypothalamus	4	3	1528.79	1528.80	nd		>5		5

Peptidylprolyl isomerase A	Cyto	9-22	DITADDEPLGRVSF	Hypothalamus	2	1	1533.73	1533.73	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	3	2	1558.77	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	3	3	1558.79	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	4	2	1558.83	1558.85	nd		>10		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	4	3	1558.80	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	4	3	1558.81	1558.85	nd		>3		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Amygdala	4	3	1558.83	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Cortex	3	3	1558.82	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Cortex	4	3	1558.73	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	3	3	1558.85	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	3	3	1558.85	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	4	2	1558.85	1558.85	1.00	0.01	>10	6.50	5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	4	3	1558.79	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	4	3	1558.82	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Hypothalamus	4	3	1558.85	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Prefrontal Cortex	4	3	1558.87	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Striatum	3	3	1558.91	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	26-39	ADKVPKTAENFRAL	Striatum	4	3	1558.89	1558.85	nd		>5		5
Peptidylprolyl isomerase A	Cyto	23-36	ELFADKVPKTAENF	Hypothalamus	3	3	1607.81	1607.82	nd		>5		5
Peptidylprolyl isomerase A	Cyto	8-22	FDITADDEPLGRVSF	Amygdala	2	1	1680.84	1680.80	nd		>5		5
Peptidylprolyl isomerase A	Cyto	8-22	FDITADDEPLGRVSF	Cortex	2	1	1680.85	1680.80	nd		>5		5
Peptidylprolyl isomerase A	Cyto	8-22	FDITADDEPLGRVSF	Hypothalamus	2	1	1680.80	1680.80	nd		>5		5
Peptidylprolyl isomerase A	Cyto	130-145	GKVKEGMNIVEAMERF	Amygdala	4	3	1836.89	1836.92	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Cortex	3	2	1899.97	1899.94	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Amygdala	2	1	1899.91	1899.95	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Amygdala	3	1	1899.93	1899.95	1.00	0.82	9.33	0.67	5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Amygdala	3	2	1899.88	1899.95	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Amygdala	3	2	1899.90	1899.95	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Amygdala	3	2	1899.93	1899.95	nd		>5		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Hypothalamus	3	1	1899.93	1899.95	nd		>10		5
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Hypothalamus	3	1	1899.94	1899.95	1.01	0.20	1.62	0.70	4
Peptidylprolyl isomerase A	Cyto	84-100	EDENFILKHTGPGILSM	Hypothalamus	3	2	1899.93	1899.95	1.16	0.70	7.78	1.22	5

Peptidylprolyl isomerase A	Cyto	23-39	ELFADKVPKTAENFRAL	Amygdala	4	2	1948.03	1948.04	nd		>5		5
Peptidylprolyl isomerase A	Cyto	23-39	ELFADKVPKTAENFRAL	Amygdala	4	3	1947.97	1948.04	nd		>5		5
Peptidylprolyl isomerase A	Cyto	23-39	ELFADKVPKTAENFRAL	Hypothalamus	3	3	1948.03	1948.04	nd		>5		5
Peptidylprolyl isomerase A	Cyto	23-39	ELFADKVPKTAENFRAL	Hypothalamus	4	2	1948.06	1948.04	2.66	3.42	3.95	1.74	5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Amygdala	2	1	2338.16	2338.15	nd		>3		5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Amygdala	2	1	2338.16	2338.15	nd		>5		5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Amygdala	2	1	2338.20	2338.15	nd		>5		5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Amygdala	3	1	2338.15	2338.15	nd		>5		5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Amygdala	3	1	2338.21	2338.15	nd		>5		5
Peptidylprolyl isomerase A	Cyto	N-term	VNPTVFFDITADDEPLGRVSF	Hypothalamus	3	1	2338.19	2338.15	1.02	0.25	2.67	0.67	4
Peroxiredoxin V	Mito	N-term	APIKVGDAIPSVEVF	Amygdala	2	1	1540.87	1540.85	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	59-66	DPGKLYTL	Amygdala	2	1	905.48	905.49	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	59-66	DPGKLYTL	Cortex	2	2	905.50	905.49	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	59-66	DPGKLYTL	Striatum	2	2	905.47	905.49	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Amygdala	2	1	1089.54	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Amygdala	2	2	1089.57	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Cortex	2	2	1089.58	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Hypothalamus	2	1	1089.57	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Hypothalamus	2	2	1089.57	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Hypothalamus	2	2	1089.57	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Hypothalamus	2	2	1089.59	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Prefrontal Cortex	2	2	1089.57	1089.57	nd		>3		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Striatum	2	2	1089.56	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	93-103	KGNDISSGTVL	Striatum	3	2	1089.57	1089.57	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	30-46	AGVTVDELGKVLTPQV	Amygdala	2	1	1725.97	1725.95	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	30-46	AGVTVDELGKVLTPQV	Cortex	2	2	1725.98	1725.95	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	30-46	AGVTVDELGKVLTPQV	Cortex	3	2	1726.00	1725.95	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	30-46	AGVTVDELGKVLTPQV	Hypothalamus	3	2	1725.95	1725.95	nd		>5		5

Phosphatidylethanolamine-binding protein 1	Cyto	104-120	SDYVGSPPSGTGLHRY	Striatum	3	1	1748.84	1748.81	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	WDDYVPKLYEQLSGK	Amygdala	3	3	1839.83	1839.90	nd		>3		5
Phosphatidylethanolamine-binding protein 1	Cyto	50-66	PSSISWDGLDPGKLYTL	Amygdala	2	1	1847.96	1847.93	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	EWDDYVPKLYEQLSGK	Amygdala	3	2	1968.96	1968.95	1.00	0.01	4.17	1.50	5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	EWDDYVPKLYEQLSGK	Amygdala	3	3	1968.84	1968.95	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	EWDDYVPKLYEQLSGK	Cortex	3	3	1968.98	1968.95	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	EWDDYVPKLYEQLSGK	Hypothalamus	3	2	1968.96	1968.95	1.04	0.38	1.38	0.12	3
Phosphatidylethanolamine-binding protein 1	Cyto	48-65	RPSSISWDGLDPGKLYTL	Amygdala	3	1	2004.05	2004.03	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	48-66	NRPSSISWDGLDPGKLYTL	Amygdala	3	1	2118.10	2118.08	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	QAEWDDYVPKLYEQLSGK	Amygdala	3	2	2168.00	2168.04	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	QAEWDDYVPKLYEQLSGK	Cortex	3	3	2168.12	2168.04	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	C-term	QAEWDDYVPKLYEQLSGK	Hypothalamus	3	2	2168.10	2168.04	1.01	0.18	1.75	0.18	4
Phosphatidylethanolamine-binding protein 1	Cyto	47-66	MNRPSSISWDGLDPGKLYTL	Amygdala	3	1	2249.15	2249.12	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	26-46	RVDYAGVTDELGKVLPTQV	Amygdala	3	1	2259.22	2259.21	nd		>5		5
Phosphatidylethanolamine-binding protein 1	Cyto	26-46	RVDYAGVTDELGKVLPTQV	Hypothalamus	3	2	2259.21	2259.21	nd		>5		5
Purkinje cell protein 4	Cyto	Entire protein	Ac-SERQSAGATNGKDKTSGDNDGQKKVQEEFDIDMD APETERAAVAIQSQRKFQKKKAGSQS	Hypothalamus	10	8	6719.17	6718.27	1.01	0.17	0.87	0.06	3
Purkinje cell protein 4	Cyto	Entire protein	Ac-SERQSAGATNGKDKTSGDNDGQKKVQEEFDIDMD APETERAAVAIQSQRKFQKKKAGSQS	Hypothalamus	10	8	6719.17	6718.27	1.01	0.17	0.87	0.06	3
Purkinje cell protein 4	Cyto	Entire protein	Ac-SERQSAGATNGKDKTSGDNDGQKKVQEEFDIDMD APETERAAVAIQSQRKFQKKKAGSQS	Hypothalamus	11	8	6719.35	6718.27	1.00	0.06	0.90	0.04	3
Purkinje cell protein 4	Cyto	Entire protein	Ac-SERQSAGATNGKDKTSGDNDGQKKVQEEFDIDMD APETERAAVAIQSQRKFQKKKAGSQS	Hypothalamus	11	8	6719.35	6718.27	1.00	0.06	0.90	0.04	3
Ribosomal protein S21	Cyto	C-term	KADGIVSKNF	Cortex	3	3	1077.55	1077.58	nd		>5		5
Ribosomal protein S21	Cyto	C-term	KADGIVSKNF	Hypothalamus	3	3	1077.55	1077.58	nd		>5		5
Ribosomal protein S21	Cyto	C-term	KADGIVSKNF	Striatum	3	3	1077.63	1077.58	nd		>5		5
Ribosomal protein S21	Cyto	C-term	AKADGIVSKNF	Hypothalamus	3	2	1148.66	1148.62	1.00	0.01	5.08	1.58	5
Ribosomal protein S21	Cyto	C-term	AKADGIVSKNF	Hypothalamus	3	3	1148.61	1148.62	nd		>5		5
RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLVFGGLNF	Amygdala	2	1	1524.74	1524.75	nd		>5		5
RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLVFGGLNF	Cortex	2	1	1524.76	1524.75	nd		>5		5
RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLVFGGLNF	Cortex	2	1	1524.80	1524.75	nd		>5		5

RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLFVGGLNF	Hypothalamus	2	1	1524.76	1524.75	nd		>5		5
RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLFVGGLNF	Prefrontal Cortex	2	1	1524.72	1524.75	nd		>5		5
RNA binding motif protein 3	Cyto	N-term	Ac-SSEEGKLFVGGLNF	Striatum	2	1	1524.73	1524.75	nd		>5		5
Splicing factor, arginine/serine-rich 3 (SRp20)	Cyto	43-53	RNPPGFAFVEF	Hypothalamus	2	1	1279.63	1279.64	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	749-762	KGLGSDLSSLASL	Prefrontal Cortex	2	2	1361.68	1361.70	nd		>3		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	748-762	SKGLGSDLSSLASL	Amygdala	2	1	1448.72	1448.74	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	748-762	SKGLGSDLSSLASL	Hypothalamus	2	1	1448.73	1448.74	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	747-762	ASKGLGSDLSSLASL	Amygdala	2	1	1519.75	1519.77	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Amygdala	4	4	3072.64	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Amygdala	4	5	3072.64	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Amygdala	5	4	3072.49	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Amygdala	5	5	3072.56	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Cortex	5	5	3072.78	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Hypothalamus	4	4	3072.63	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Hypothalamus	5	4	3072.59	3072.65	nd		>5		5
Synaptosomal-associated protein (Snap91)	Memb (cyto)	C-term	SPSPTPATQSPKKPPAKDPLADLNIKDFL	Hypothalamus	5	5	3072.64	3072.65	nd		>5		5
Synuclein, alpha or beta	Cyto	N-term	Ac-MDVFMKGL	Amygdala	2	1	981.47	981.47	1.17	0.79	2.20	0.00	4
Synuclein, alpha or beta	Cyto	N-term	Ac-MDVFMKGL	Cortex	2	1	981.51	981.47	nd		>3		5
Synuclein, alpha or beta	Cyto	N-term	Ac-MDVFMKGL	Hypothalamus	2	1	981.46	981.47	1.00	0.10	1.88	0.53	4
Synuclein, beta	Cyto	N-term	Ac-MDVFMKGLSM	Amygdala	2	1	1199.55	1199.54	nd		>5		5
Synuclein, beta	Cyto	N-term	Ac-MDVFMKGLSM	Hypothalamus	2	1	1199.60	1199.54	nd		>5		5
Thioredoxin 1	Cyto	N-term	VKLIESKEAFQEAL	Amygdala	3	2	1603.84	1603.88	nd		>5		5
Thioredoxin 1	Cyto	N-term	VKLIESKEAFQEAL	Hypothalamus	3	2	1603.85	1603.88	1.03	0.27	1.50	0.75	4
Thioredoxin 1	Cyto	N-term	VKLIESKEAFQEAL	Striatum	3	2	1603.80	1603.88	nd		>5		5
Thioredoxin 1	Cyto	N-term	VKLIESKEAFQEALAAAGDKLVVDF	Amygdala	4	3	2789.47	2789.52	1.02	0.24	2.05	1.05	4
Thioredoxin 1	Cyto	N-term	VKLIESKEAFQEALAAAGDKLVVDF	Hypothalamus	4	3	2789.50	2789.52	1.03	0.33	1.93	0.64	4
Thymosin beta-10	Cyto	C-term	TLPTKETIEQEKRSIS	Amygdala	3	2	1987.94	1988.04	1.01	0.12	0.88	0.00	3
Thymosin beta-10	Cyto	C-term	TLPTKETIEQEKRSIS	Amygdala	4	2	1988.05	1988.04	1.01	0.16	0.96	0.24	3

Thymosin beta-10	Cyto	C-term	TLPTKETIEQEKRSSEIS	Hypothalamus	3	2	1988.07	1988.04	1.01	0.17	1.08	0.05	3
Thymosin beta-10	Cyto	C-term	TLPTKETIEQEKRSSEIS	Hypothalamus	4	2	1988.04	1988.04	1.00	0.09	0.96	0.12	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	6	8	4933.44	4933.52	1.00	0.09	1.11	0.27	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	7	8	4933.48	4933.52	1.02	0.25	1.01	0.31	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Amygdala	6	8	4936.47	4936.49	1.02	0.24	0.71	0.04	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Amygdala	7	8	4936.37	4936.49	1.00	0.01	0.86	0.00	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Amygdala	8	8	4935.35	4936.49	1.01	0.15	0.76	0.05	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Amygdala	9	8	4936.32	4936.49	1.00	0.03	0.73	0.00	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	6	8	4936.89	4936.49	1.00	0.05	0.84	0.00	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	7	8	4936.39	4936.49	1.01	0.12	0.82	0.03	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	8	8	4936.32	4936.49	1.00	0.10	0.85	0.03	3
Thymosin beta-10	Cyto	Entire protein	Ac-ADKPDMEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSSEIS	Hypothalamus	9	8	4936.20	4936.49	1.00	0.08	0.91	0.03	3
Thymosin beta-4	Cyto	C-term	PLPSKETIEQEKQAGES	Cortex	3	3	1869.98	1869.93	1.05	0.38	0.82	0.11	3
Thymosin beta-4	Cyto	C-term	PLPSKETIEQEKQAGES	Hypothalamus	3	2	1869.97	1869.93	1.01	0.15	0.95	0.15	3
Thymosin beta-4	Cyto	C-term	PLPSKETIEQEKQAGES	Striatum	3	3	1869.93	1869.93	1.02	0.24	0.72	0.01	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	5	9	4961.44	4960.49	1.01	0.19	0.91	0.04	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	6	9	4961.29	4960.49	1.00	0.11	0.89	0.05	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	6	9	4961.37	4960.49	1.00	0.04	0.98	0.12	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	7	9	4961.26	4960.49	1.00	0.04	0.92	0.10	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	7	9	4961.34	4960.49	1.00	0.12	0.92	0.06	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	8	9	4961.21	4960.49	1.00	0.06	0.93	0.07	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	8	9	4961.41	4960.49	1.00	0.04	0.96	0.11	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Amygdala	9	9	4961.27	4960.49	1.00	0.11	1.01	0.03	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Hypothalamus	6	9	4960.46	4960.49	1.03	0.28	1.07	0.38	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Hypothalamus	7	9	4960.47	4960.49	1.02	0.25	1.05	0.33	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Hypothalamus	8	9	4960.45	4960.49	1.00	0.11	1.03	0.18	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQEKQAGES	Hypothalamus	9	9	4960.46	4960.49	1.00	0.12	0.91	0.22	3

Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	5	9	4963.39	4963.54	1.00	0.11	1.18	0.12	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	5	9	4963.50	4963.54	1.00	0.04	0.89	0.08	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	6	9	4963.57	4963.54	1.01	0.15	0.86	0.04	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	7	9	4963.21	4963.54	1.00	0.07	1.02	0.04	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	7	9	4963.57	4963.54	1.00	0.11	0.95	0.05	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	8	9	4962.39	4963.54	1.00	0.04	0.94	0.03	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	8	9	4963.51	4963.54	1.00	0.12	1.01	0.12	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	9	9	4962.68	4963.54	1.00	0.09	0.98	0.02	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Amygdala	9	9	4963.22	4963.54	1.01	0.18	1.04	0.04	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Cortex	6	9	4962.69	4963.54	1.01	0.18	0.85	0.23	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Cortex	7	9	4963.68	4963.54	1.01	0.19	0.90	0.12	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Cortex	8	9	4963.20	4963.54	1.02	0.26	1.14	0.29	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Cortex	9	9	4961.55	4963.54	1.00	0.04	0.95	0.01	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Hypothalamus	6	9	4963.54	4963.54	1.00	0.04	0.91	0.06	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Hypothalamus	7	9	4963.37	4963.54	1.00	0.07	0.85	0.09	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Hypothalamus	8	9	4963.35	4963.54	1.00	0.01	0.90	0.10	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Hypothalamus	9	9	4963.28	4963.54	1.00	0.02	0.90	0.11	3
Thymosin beta-4	Cyto	Entire protein	Ac-SDKPDMAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES	Prefrontal Cortex	8	9	4963.89	4963.54	1.02	0.24	1.00	0.04	3
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES)	Amygdala	6	9	4979.51	4979.54	1.00	0.01	0.83	0.00	3
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES)	Amygdala	7	9	4979.62	4979.54	1.01	0.12	0.82	0.12	3
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES)	Amygdala	8	9	4979.24	4979.54	1.00	0.08	0.93	0.05	3
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES)	Cortex	6	9	4979.23	4979.54	1.00	0.06	0.73	0.01	3
Thymosin beta-4	Cyto	Entire	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIEQE KQAGES)	Cortex	7	9	4979.16	4979.54	1.01	0.14	1.08	0.15	3

		protein +16 (Met oxide)	QEKQAGES)											
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIE QEKQAGES)	Cortex	8	9	4979.01	4979.54	1.00	0.05	0.90	0.09	3	
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIE QEKQAGES)	Cortex	9	9	4979.58	4979.54	1.03	0.33	0.98	0.12	3	
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIE QEKQAGES)	Hypothalamus	7	9	4979.77	4979.54	1.00	0.06	0.81	0.04	3	
Thymosin beta-4	Cyto	Entire protein +16 (Met oxide)	(Ac-SDKPDMoxAEIEKFDKSKLKKTTETQEKNPLPSKETIE QEKQAGES)	Hypothalamus	8	9	4979.51	4979.54	1.01	0.16	0.75	0.02	3	
Tubulin beta	Cyto	N-term	REIVH(I/L)QA	Cortex	3	1	964.55	964.55	nd		>5		5	
Tubulin beta	Cyto	N-term	REIVH(I/L)QA	Striatum	3	1	964.56	964.55	nd		>5		5	
Tubulin beta	Cyto	56-66	GNKYVPRAILV	Cortex	3	2	1228.76	1228.73	nd		>5		5	
Tubulin beta	Cyto	N-term	MREIVH(I/L)QAGQ	Hypothalamus	3	1	1280.67	1280.67	1.05	0.37	1.69	0.10	4	
Tubulin beta	Cyto	55-66	AGNKYVPRAILV	Cortex	3	2	1299.82	1299.77	nd		>5		5	
Tubulin beta	Cyto	79-90	GPFQ(I/L)FRPDNF	Amygdala	2	1	1393.74	1393.68	nd		>5		5	
Tubulin beta	Cyto	78-90	SGPFGQ(I/L)FRPDNF	Hypothalamus	2	1	1480.71	1480.71	nd		>5		5	
Tubulin beta	Cyto	78-90	SGPFGQ(I/L)FRPDNF	Amygdala	2	1	1480.74	1480.71	nd		>5		5	
Tubulin beta	Cyto	77-90	RSGPFGQ(I/L)FRPDNF	Amygdala	3	1	1636.78	1636.81	nd		>5		5	
Tubulin beta	Cyto	77-90	RSGPFGQ(I/L)FRPDNF	Amygdala	3	1	1636.88	1636.81	nd		>3		5	
Tubulin beta	Cyto	N-term	MREIVH(I/L)QAGQC+ Glutathione	Hypothalamus	4	2	1688.78	1688.76	1.34	0.96	3.04	0.04	5	
Tubulin beta	Cyto	168-185	SVVSPKVSSTVVEPYNA	Amygdala	2	1	1886.91	1886.96	nd		>5		5	
Tubulin beta	Cyto	168-185	SVVSPKVSSTVVEPYNA	Hypothalamus	2	2	1886.96	1886.96	nd		>5		5	
Tubulin beta	Cyto	168-185	SVVSPKVSSTVVEPYNA	Hypothalamus	3	2	1886.96	1886.96	nd		>5		5	
Tubulin beta	Cyto	55-76	AGNKYVPRAILVDLEPGTMDSV	Amygdala	3	1	2344.25	2344.21	nd		>5		5	
Tubulin beta	Cyto	55-76	AGNKYVPRAILVDLEPGTMDSV	Hypothalamus	3	2	2344.21	2344.21	nd		>5		5	
Ubiquinol-cytochrome c reductase complex 11 kDa protein	Mito	N-term	GDPKEEEEEELVDPLTTVREH	Hypothalamus	3	2	2450.14	2450.15	1.14	0.70	0.68	0.03	3	
Ubiquinol-cytochrome c reductase complex 11 kDa protein	Mito	N-term	GDPKEEEEEELVDPLTTVREH	Hypothalamus	4	1	2450.20	2450.15	1.13	0.68	1.24	0.03	3	
Ubiquinol-cytochrome c reductase complex 11 kDa	Mito	N-term	GDPKEEEEEELVDPLTTVREH	Hypothalamus	4	2	2450.13	2450.15	1.06	0.42	0.52	0.00	2	

protein														
Ubiquinol-cytochrome c reductase complex 11 kDa protein	Mito	N-term	GDPKEEEEEELVDPLTTVREH	Hypothalamus	4	2	2450.14	2450.15	1.20	0.86	0.59	0.02	2	
Ubiquinol-cytochrome c reductase complex 11 kDa protein	Mito	N-term	GDPKEEEEEELVDPLTTVREH	Prefrontal Cortex	4	2	2450.17	2450.15	1.20	0.87	1.10	0.26	3	
Ubiquinol-cytochrome C reductase complex 14 kDa protein	Mito	N-term	Ac-AGRSAVSASSK	Prefrontal Cortex	2	1	1061.55	1061.55	nd		>3		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	62-68	RPLVATV	Hypothalamus	2	1	754.44	754.47	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	62-68	RPLVATV	Hypothalamus	2	1	754.46	754.47	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	62-68	RPLVATV	Prefrontal Cortex	2	1	754.44	754.47	nd		>3		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-77	GLNVPASVR	Cortex	2	1	911.53	911.52	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-77	GLNVPASVR	Prefrontal Cortex	2	1	911.51	911.52	nd		>3		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-77	GLNVPASVR	Striatum	2	1	911.51	911.52	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	18-27	TSRGVAGALR	Striatum	3	1	986.58	986.56	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Amygdala	2	1	1058.57	1058.59	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Amygdala	2	1	1058.60	1058.59	nd		>3		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Cortex	2	1	1058.55	1058.59	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Hypothalamus	2	1	1058.57	1058.59	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Hypothalamus	2	1	1058.59	1058.59	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	69-78	GLNVPASVRF	Striatum	2	1	1058.55	1058.59	nd		>5		5	
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	6-17	ARSGPFAPVLSA	Cortex	2	1	1171.70	1171.63	nd		>3		5	

Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	6-17	ARSGPFAPVLSA	Hypothalamus	2	1	1171.63	1171.63	nd		>5		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	56-68	SGQAAARPLVATV	Amygdala	2	1	1239.71	1239.69	nd		>5		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	56-68	SGQAAARPLVATV	Cortex	2	1	1239.76	1239.69	nd		>5		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	56-68	SGQAAARPLVATV	Hypothalamus	3	1	1239.66	1239.69	1.16	0.72	1.53	0.43	4
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	56-68	SGQAAARPLVATV	Hypothalamus	3	2	1239.69	1239.69	nd		>5		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	56-68	SGQAAARPLVATV	Striatum	2	1	1239.68	1239.69	nd		>5		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	6-18	ARSGPFAPVLSAT	Cortex	2	1	1272.72	1272.68	nd		>3		5
Ubiquinol-cytochrome c reductase iron-sulfur subunit	Mito	52-68	RESLSGQAAARPLVATV	Striatum	3	1	1724.99	1724.95	nd		>5		5
Vacuolar proton pump subunit F	Lyso	N-term	Ac-AGRGKLIAVIGDEDTVTGFLGGIGELNKNRHPNFLV	Amygdala	5	2	4031.06	4031.20	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Amygdala	4	1	1692.88	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Amygdala	4	1	1692.95	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Cortex	3	1	1692.93	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Cortex	4	1	1692.92	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Hypothalamus	3	1	1692.91	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Hypothalamus	4	1	1692.91	1692.91	nd		>5		5
Vacuolar proton pump subunit G 2	Lyso	C-term	EVRPQVHPNYRVTV	Striatum	4	1	1692.92	1692.91	nd		>5		5

Table S-2 (supplement). Amino acid levels in WT and *pcd* mouse brain regions.

Amino acid	Amygdala						Cortex						Hypothalamus								
	WT		<i>pcd</i>		<i>pcd</i> /WT		WT		<i>pcd</i>		<i>pcd</i> /WT		WT		<i>pcd</i>		<i>pcd</i> /WT				
	Avg	SEM	Avg	SEM	SEM	97%	Avg	SEM	Avg	SEM	SEM	103%	Avg	SEM	Avg	SEM	Avg	SEM	92%		
A	0.65	0.02	0.63	0.04	0.04	97%	0.72	0.07	0.74	0.05	0.05	103%	0.39	0.03	0.35	0.03	0.39	0.03	0.35	0.03	92%
D	2.32	0.03	1.97	0.04	0.04	**85%	2.75	0.22	2.54	0.13	0.13	92%	2.76	0.10	2.39	0.11	2.76	0.10	2.39	0.11	87%
E	11.30	0.18	10.45	0.51	0.51	92%	10.21	0.61	10.53	0.53	0.53	103%	8.47	0.26	7.50	0.36	8.47	0.26	7.50	0.36	89%
F	0.45	0.05	0.39	0.03	0.03	88%	0.27	0.02	0.36	0.03	0.03	132%	0.46	0.05	0.37	0.03	0.46	0.05	0.37	0.03	80%
G	0.62	0.03	0.58	0.04	0.04	94%	0.56	0.05	0.89	0.05	0.05	**158%	1.04	0.07	0.95	0.06	1.04	0.07	0.95	0.06	92%
H	1.13	0.27	0.92	0.08	0.08	82%	0.96	0.03	1.32	0.18	0.18	138%	1.45	0.47	1.26	0.22	1.45	0.47	1.26	0.22	87%
I	0.008	0.003	0.010	0.000	0.000	130%	0.010	0.004	ND				0.015	0.006	0.010	0.004	0.015	0.006	0.010	0.004	67%
K	0.60	0.31	0.28	0.02	0.02	46%	0.13	0.09	0.23	0.13	0.13	180%	0.44	0.07	0.38	0.03	0.44	0.07	0.38	0.03	86%
L	0.070	0.004	0.065	0.009	0.009	93%	0.093	0.01	0.085	0.006	0.006	92%	0.075	0.006	0.065	0.009	0.075	0.006	0.065	0.009	87%
M	0.053	0.005	0.060	0.020	0.020	114%	0.051	0.007	0.055	0.020	0.020	108%	0.048	0.005	0.055	0.024	0.048	0.005	0.055	0.024	116%
P	0.068	0.005	0.073	0.006	0.006	107%	0.050	0.004	0.058	0.005	0.005	115%	0.063	0.005	0.071	0.008	0.063	0.005	0.071	0.008	113%
R	1.25	0.82	0.49	0.08	0.08	39%	2.33	1.04	0.85	0.06	0.06	36%	0.68	0.15	0.57	0.05	0.68	0.15	0.57	0.05	84%
S	1.57	0.10	1.48	0.12	0.12	94%	0.92	0.13	1.36	0.14	0.14	147%	1.00	0.11	0.83	0.10	1.00	0.11	0.83	0.10	82%
T	0.47	0.06	0.61	0.08	0.08	129%	1.29	0.12	0.86	0.17	0.17	66%	1.08	0.10	1.00	0.16	1.08	0.10	1.00	0.16	92%
V	0.10	0.01	0.10	0.01	0.01	100%	0.11	0.01	0.11	0.01	0.01	104%	0.11	0.01	0.10	0.01	0.11	0.01	0.10	0.01	88%
total	20.67	1.55	18.14	0.76	0.76	88%	20.46	1.96	19.98	1.11	1.11	98%	18.08	1.06	16.11	0.82	18.08	1.06	16.11	0.82	89%

Units are nmol/mg protein

**, the difference between WT and *pcd* mice is statistically significant, $p < 0.01$ using Student's t-test ($n=4$).