

Appendix B Table 4.3 Proteins identified from cPILOT experiment.

Acc. No. ^a	Protein Name	Coverage (%) ^b	# Unique Peptides ^c	# PSMs ^d	MW [kDa] ^e	pI ^f
A0JLY1	Coiled-coil domain-containing protein 173	1.65	1	1	65.09	8.97
A2A848	Acyl-coenzyme A oxidase (Fragment)	4.64	2	22	69.99	7.75
A2A8S0	Zinc finger protein GLIS1 (Fragment)	9.62	1	2	10.77	8.53
A2AAE1-4	Isoform 4 of Uncharacterized protein KIAA1109	0.43	1	1	510.03	6.62
A2AEP2	Cyclin B3	0.86	1	1	158.84	6.35
A2AEW2	Transcription factor E3 (Fragment)	10.29	1	1	14.40	4.93
A2AF67	Dedicator of cytokinesis protein 11	0.79	1	1	218.10	7.77
A2AFM1	5-aminolevulinic acid synthase	1.05	1	2	63.04	7.84
A2AG58-2	Isoform 2 of Uncharacterized protein CXorf23 homolog	1.63	1	1	80.56	9.04
A2AHG0-2	Isoform 2 of Leucine zipper putative tumor suppressor 3	3.24	1	1	63.37	6.40
A2ANX6	Very long-chain acyl-CoA synthetase	3.31	2	5	54.76	8.35
A2ARV5	Low-density lipoprotein receptor-related protein 2	0.51	1	2	150.58	5.00
A2ASS6-2	Isoform 2 of Titin	0.11	1	1	2984.55	6.61
A2ASU6	Olfactory receptor	2.25	1	1	34.93	8.69
A2ASZ8	Calcium-binding mitochondrial carrier protein SCaMC-2	1.92	1	1	52.59	8.54
B0V2N5	Annexin (Fragment)	3.68	1	3	31.24	8.29
B1AR28	Very long-chain-specific acyl-CoA dehydrogenase, mitochondrial	3.94	1	2	68.51	8.75
B1ATQ3	Malate dehydrogenase, cytoplasmic (Fragment)	10.97	1	41	16.64	6.65
B1AXI9	5-azacytidine induced gene 1	1.23	1	1	120.16	8.65
B2RQG2	PHD finger protein 3	0.35	1	1	225.40	6.70
B2RXC6	DNA-directed RNA polymerase	1.58	1	1	155.64	8.50
B7ZNS2	Disks large-associated protein 4	1.74	1	2	106.10	7.17
D3YTT4	Isobutyryl-CoA dehydrogenase, mitochondrial	3.39	1	8	45.05	8.02
D3YU60	Microsomal glutathione S-transferase 1	17.65	1	6	11.68	8.48
D3YUG9	Quinone oxidoreductase (Fragment)	13.29	1	5	18.26	8.72
D3YUN0	Protein DGCR6	8.58	1	1	26.08	9.51
D3YVB6	Ketohexokinase (Fragment)	7	1	41	27.11	6.23
D3YVM5	60S acidic ribosomal protein P0 (Fragment)	15.17	1	16	16.05	9.67
D3YW58	Antizyme inhibitor 1	1.68	1	1	39.11	5.25
D3YYM6	40S ribosomal protein S5 (Fragment)	8.24	1	5	20.40	9.55
D3YZ54	2-hydroxyacyl-CoA lyase 1	6.32	3	23	60.96	6.18
D3YZ73	Phenylalanine-4-hydroxylase	23.46	1	17	8.71	5.01
D3Z041	Long-chain-fatty-acid--CoA ligase 1	11.3	5	74	77.98	7.47
D3Z061	Ubiquitin-like modifier-activating enzyme 6	1.37	1	1	114.70	6.21
D3Z0Y2	Peroxiredoxin-6	6	1	2	22.48	8.88
D3Z106	Acyl-coenzyme A synthetase ACSM1, mitochondrial (Fragment)	4.33	1	1	59.94	6.39
D3Z139	Epithelial-splicing regulatory protein 2 (Fragment)	2.03	1	1	64.01	6.38

D3Z1Z9	Protein FAM60A (Fragment)	10.64	1	3	10.72	9.91
D3Z269	Acyl-protein thioesterase 1 (Fragment)	16.9	1	1	14.79	7.40
D3Z387	Protein 1700008F21Rik (Fragment)	11.02	1	1	15.09	9.41
D3Z6B9	Mitochondrial 10-formyltetrahydrofolate dehydrogenase	2.59	1	1	88.84	5.58
D3Z6F5	ATP synthase subunit alpha	4.57	1	2	54.56	8.24
D3Z7W7	40S ribosomal protein S3a	6.82	1	3	29.84	9.73
D6RGQ3	Multidrug and toxin extrusion protein 1	11.41	1	1	20.00	6.28
D6RHM2	Probable cation-transporting ATPase 13A5	1.05	1	3	105.97	7.56
D6RHN4	Peroxisomal trans-2-enoyl-CoA reductase	15.56	1	3	9.36	8.53
E0CXN5	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	3.99	1	6	35.21	7.59
E0CYZ3	Voltage-dependent T-type calcium channel subunit alpha-1H	1.32	1	1	213.16	8.00
E9PU99	Obscurin	0.26	1	1	454.86	5.44
E9PUF8	Ras-related and estrogen-regulated growth inhibitor	6.11	1	3	20.22	6.92
E9PUJ8	Protein Mroh5	2.49	1	7	86.80	6.81
E9PW69	Proteasome subunit alpha type (Fragment)	7.62	1	1	23.37	7.25
E9PXU1	Protein DDX26B	2.25	1	1	55.08	8.22
E9PZB7	E3 ubiquitin-protein ligase ZNRF1	4.62	1	1	20.19	6.43
E9Q1R5	Voltage-dependent P/Q-type calcium channel subunit alpha-1A	0.52	1	1	262.00	8.91
E9Q223	Protein Hbb-bs (Fragment)	25.24	2	45	11.08	6.37
E9Q3H9	DNA polymerase iota	2	1	34	72.38	7.72
E9Q484	5-oxoprolinase (Fragment)	5.28	2	18	91.49	5.95
E9Q6M6	Mitochondrial glutamate carrier 1	6.55	1	1	24.62	8.60
E9Q7X9	Ecotropic viral integration site 5 protein (Fragment)	2.7	1	3	24.88	8.69
E9Q8J8	Transcription factor ETV6	2.02	1	1	45.99	7.56
E9Q9B8	Clusterin (Fragment)	5.91	1	12	23.36	5.24
E9QKK1	Centromere-associated protein E	0.4	1	1	286.04	5.33
F2Z459	Protein Acat3	10.89	1	16	26.23	7.53
F6RAZ3	Short-chain-specific acyl-CoA dehydrogenase, mitochondrial (Fragment)	4.3	1	4	32.59	7.24
F6RV61	Nebulette (Fragment)	1.57	1	1	51.59	6.86
F6SBF2	THO complex subunit 2 (Fragment)	3.64	1	3	18.96	9.57
F6TQE2	Solute carrier family 12 member 4 (Fragment)	5.26	1	3	18.24	6.29
F6TZV3	Grainyhead-like protein 2 homolog (Fragment)	21.05	1	1	16.79	4.93
F6UFZ5	Protein Pcf11 (Fragment)	0.95	1	1	164.45	8.88
F6UK16	Serine/arginine repetitive matrix protein 1 (Fragment)	11.01	1	1	34.65	####
F6WHQ7	Glutathione S-transferase Mu 1 (Fragment)	4.64	1	2	22.57	9.07
F6WX90	Actin, alpha cardiac muscle 1 (Fragment)	23.26	1	2	4.50	4.81
F6YCH1	Wings apart-like protein homolog (Fragment)	3.95	1	1	48.74	5.02
F6YS63	Fructose-1,6-bisphosphatase 1 (Fragment)	10.53	1	52	14.46	4.97
F6ZC60	Lysine-specific histone demethylase 1A (Fragment)	3.6	1	1	29.00	5.54
F7AJ01	SUN domain-containing protein 1 (Fragment)	14.53	1	1	12.66	6.74

F7ANV6	Annexin (Fragment)	4.65	1	6	24.21	7.83
F7BJB9	Protein Morc3	1.06	1	1	106.46	5.68
F7C312	Endoplasmin (Fragment)	5.63	1	2	43.45	5.66
F7D926	Wolframin (Fragment)	6.37	1	2	17.48	8.38
F8WIT2	Annexin	1.5	1	14	75.24	5.55
F8WJA7	AF4/FMR2 family member 3	1.55	1	1	133.12	8.22
G3UX44	Estradiol 17-beta-dehydrogenase 8 (Fragment)	9.83	1	9	23.97	8.79
G3UYR8	Alpha-aminoadipic semialdehyde dehydrogenase	7.79	3	68	51.65	6.92
G3UYY2	Selenium-binding protein 2	11.22	3	95	45.61	5.30
G3UZN1	D-dopachrome decarboxylase	31.51	1	4	8.23	7.34
G3V020	PCTP-like protein (Fragment)	7.65	1	16	19.37	8.62
G3X982	Aldehyde oxidase 3	1.57	1	1	146.81	6.46
G5E8K6	Monocarboxylate transporter 6	6.84	1	1	50.98	8.21
H3BJ21	Hydroperoxide isomerase ALOXE3	5.26	1	3	43.13	7.81
H3BJI7	Protein Mettl7a2Higd1c	8.29	1	3	20.60	8.54
H3BKC4	Amiloride-sensitive sodium channel subunit alpha (Fragment)	1.69	1	4	66.59	8.37
H3BLB8	Paraoxonase 1, isoform CRA_c	7.73	1	2	20.21	5.80
J3QMC7	Protein S100a2	7.69	1	1	12.40	5.49
J3QNG0	MCG15755	13.11	3	88	46.56	8.22
J3QPZ9	Enolase (Fragment)	7.89	1	6	20.59	5.11
L7N451	Interferon-induced very large GTPase 1	0.87	1	2	280.61	6.57
M0QWV4	Protein Gm26661	10.9	1	5	16.52	####
O08677-2	Isoform LMW of Kininogen-1	2.08	1	1	47.87	6.09
O08852	Polycystin-1	0.14	1	2	466.28	5.87
O09173	Homogentisate 1,2-dioxygenase	22.25	5	51	49.93	7.24
O35387	HCLS1-associated protein X-1	8.93	1	1	31.64	4.91
O35490	Betaine--homocysteine S-methyltransferase 1	30.96	9	350	44.99	7.90
O35728	Cytochrome P450 4A14	2.37	1	1	58.68	8.78
O55047-3	Isoform 3 of Serine/threonine-protein kinase tousled-like 2	3.16	1	1	69.34	8.47
O88561-2	Isoform 2 of Long-chain fatty acid transport protein 3	1.33	1	2	57.14	8.90
O88844	Isocitrate dehydrogenase [NADP] cytoplasmic	4.11	1	24	46.64	7.17
P01942	Hemoglobin subunit alpha	10.56	1	20	15.08	8.22
P05202	Aspartate aminotransferase, mitochondrial	3.95	1	29	47.38	9.00
P07724	Serum albumin	8.06	3	66	68.65	6.07
P08228	Superoxide dismutase [Cu-Zn]	19.48	2	54	15.93	6.51
P08249	Malate dehydrogenase, mitochondrial	12.43	4	57	35.59	8.68
P15105	Glutamine synthetase	4.29	1	72	42.09	7.08
P17742	Peptidyl-prolyl cis-trans isomerase A	5.49	1	2	17.96	7.90
P18760	Cofilin-1	6.63	1	2	18.55	8.09
P19096	Fatty acid synthase	1.16	2	14	272.26	6.58

P24270	Catalase	8.16	2	26	59.76	7.88
P24549	Retinal dehydrogenase 1	2.99	1	21	54.43	7.80
P25233	Necdin	3.08	1	8	36.81	8.51
P26443	Glutamate dehydrogenase 1, mitochondrial	10.22	4	112	61.30	8.00
P28474	Alcohol dehydrogenase class-3	4.01	1	11	39.52	7.25
P34914-2	Isoform 2 of Bifunctional epoxide hydrolase 2	5.97	1	2	60.57	6.14
P34968	5-hydroxytryptamine receptor 2C	3.27	1	2	51.89	9.31
P35492	Histidine ammonia-lyase	3.35	1	2	72.21	6.34
P42582	Homeobox protein Nkx-2.5	7.23	1	2	34.14	9.20
P42859-2	Isoform Short of Huntingtin	0.57	1	1	290.52	6.09
P45377	Aldose reductase-related protein 2	6.65	1	1	36.10	6.37
P47738	Aldehyde dehydrogenase, mitochondrial	4.62	1	4	56.50	7.62
P48036	Annexin A5	3.45	1	17	35.73	4.96
P49446-3	Isoform 3 of Receptor-type tyrosine-protein phosphatase epsilon	1.14	1	1	71.42	6.83
P49718	DNA replication licensing factor MCM5	1.64	1	1	82.29	8.43
P52825	Carnitine O-palmitoyltransferase 2, mitochondrial	5.62	2	2	73.93	8.37
P54987	Cis-aconitate decarboxylase	1.64	1	1	53.72	7.55
P55264-2	Isoform Short of Adenosine kinase	4.06	2	28	38.43	6.04
P56391	Cytochrome c oxidase subunit 6B1	16.28	1	1	10.06	8.72
P56480	ATP synthase subunit beta, mitochondrial	10.96	2	10	56.27	5.34
P56593	Cytochrome P450 2A12	3.66	1	13	56.14	9.19
P58252	Elongation factor 2	1.4	1	1	95.25	6.83
P58463-2	Isoform 2 of Forkhead box protein P2	6.49	1	1	77.09	6.49
P58710	L-gulonolactone oxidase	7.73	3	14	50.45	8.24
P60335	Poly(rC)-binding protein 1	4.49	1	29	37.47	7.09
P60853	Leucine zipper putative tumor suppressor 1	1.5	1	1	67.25	7.56
P61168	D(2) dopamine receptor	2.03	1	1	50.90	9.51
P61922-2	Isoform 2 of 4-aminobutyrate aminotransferase, mitochondrial	3.15	1	17	50.20	8.51
P62889	60S ribosomal protein L30	13.91	1	2	12.78	9.63
P62908	40S ribosomal protein S3	6.58	1	1	26.66	9.66
P63038	60 kDa heat shock protein, mitochondrial	5.41	3	67	60.92	6.18
P63147	Ubiquitin-conjugating enzyme E2 B	4.61	1	1	17.30	5.01
P68040	Guanine nucleotide-binding protein subunit beta-2-like 1	5.36	1	1	35.05	7.69
P68368	Tubulin alpha-4A chain	2.9	1	7	49.89	5.06
P68373	Tubulin alpha-1C chain	2.9	1	5	49.88	5.10
P68433	Histone H3.1	6.62	1	3	15.39	####
P70182-2	Isoform 2 of Phosphatidylinositol 4-phosphate 5-kinase type-1 alpha	4.82	1	1	38.07	8.47
P85094	Isochorismatase domain-containing protein 2A, mitochondrial	7.77	1	10	22.40	8.02
P97872	Dimethylaniline monooxygenase [N-oxide-forming] 5	5.07	2	10	59.96	8.73
P99028	Cytochrome b-c1 complex subunit 6, mitochondrial	20.22	1	16	10.43	4.87

P99029-2	Isoform Cytoplasmic+peroxisomal of Peroxiredoxin-5, mitochondrial	9.88	1	11	17.00	7.87
Q01098	Glutamate receptor ionotropic, NMDA 2C	1.13	1	1	135.33	8.66
Q01320	DNA topoisomerase 2-alpha	1.51	1	1	172.68	8.60
Q01853	Transitional endoplasmic reticulum ATPase	3.97	3	10	89.27	5.26
Q05421	Cytochrome P450 2E1	2.84	1	7	56.77	8.40
Q0VBD2	Protein MCM10 homolog	1.81	1	1	98.34	8.85
Q0VBK2	Keratin, type II cytoskeletal 80	3.1	1	1	50.63	6.27
Q0ZLH2	Pejvakin	11.36	2	2	39.83	8.95
Q3KNI6	MCG147493	9.63	1	1	24.49	4.42
Q3U1D9	UPF0602 protein C4orf47 homolog	8.23	1	9	35.24	9.73
Q3U6U5	Putative GTP-binding protein 6	3.7	1	2	56.44	9.19
Q3UEG6	Alanine--glyoxylate aminotransferase 2, mitochondrial	2.92	1	2	57.08	7.93
Q3UEI1-2	Isoform 2 of cAMP-specific 3',5'-cyclic phosphodiesterase 4C	2.3	1	1	72.06	4.98
Q3UHD1	Brain-specific angiogenesis inhibitor 1	1.26	1	1	173.19	7.56
Q3ULJ0-2	Isoform 2 of Glycerol-3-phosphate dehydrogenase 1-like protein	9.38	1	2	34.61	6.87
Q3ULZ2	FH2 domain-containing protein 1	0.96	1	1	125.29	8.82
Q3UPZ0	Sema domain, seven thrombospondin repeats (Type 1 and type 1-like), trans	0.56	1	2	120.24	7.06
Q3URV1-2	Isoform 2 of Protein broad-minded	1.21	1	3	131.65	6.15
Q3V0K6	Kynurenine 3-monooxygenase	7.06	1	3	28.38	9.44
Q497M3	Putative C->U-editing enzyme APOBEC-4	4.55	1	1	42.69	9.51
Q499X9	Methionine--tRNA ligase, mitochondrial	2.22	1	1	65.76	8.09
Q4LDG0	Bile acyl-CoA synthetase	5.66	2	3	76.15	8.38
Q52KG5	Kinesin-like protein KIF26A	0.43	1	1	196.19	8.68
Q569Z5-2	Isoform 2 of Probable ATP-dependent RNA helicase DDX46	1.95	1	1	116.82	9.26
Q56A06-2	Isoform 2 of Transmembrane and TPR repeat-containing protein 2	3.47	1	11	81.22	8.82
Q5D1E7	Ribonuclease ZC3H12A	1.68	1	2	65.56	8.02
Q5DQR4-5	Isoform 5 of Syntaxin-binding protein 5-like	1.3	1	3	111.34	7.11
Q5GLZ0	Cytochrome P450 2C66	2.24	1	2	55.99	8.31
Q5NC80	Nucleoside diphosphate kinase (Fragment)	7.09	1	1	14.08	9.09
Q5SWU3	Fidgetin-like protein 1 (Fragment)	25.21	1	1	13.38	6.04
Q60597-2	Isoform 2 of 2-oxoglutarate dehydrogenase, mitochondrial	1.38	1	2	115.34	7.03
Q60754	Macrophage receptor MARCO	2.12	1	1	52.70	7.84
Q60759	Glutaryl-CoA dehydrogenase, mitochondrial	3.88	1	27	48.57	8.73
Q60932-2	Isoform Mt-VDAC1 of Voltage-dependent anion-selective channel protein 1	4.24	1	1	30.74	8.54
Q61074	Protein phosphatase 1G	2.77	1	1	58.69	4.39
Q61088	Frizzled-4	1.49	1	2	60.10	7.43
Q61090	Frizzled-7	1.22	1	1	63.69	7.91
Q61176	Arginase-1	5.57	1	16	34.79	7.01
Q61316	Heat shock 70 kDa protein 4	1.66	1	1	94.07	5.24
Q61771	Kinesin-like protein KIF3B	1.74	1	1	85.24	7.69

Q62233-2	Isoform SIX3A of Homeobox protein SIX3	6.03	1	1	30.44	9.66
Q62261-2	Isoform 2 of Spectrin beta chain, non-erythrocytic 1	1.11	1	1	251.13	5.54
Q63880-2	Isoform 2 of Carboxylesterase 3A	7.25	2	16	57.82	5.63
Q64374	Regucalcin	14.05	2	15	33.39	5.34
Q64442	Sorbitol dehydrogenase	4.2	1	2	38.22	7.02
Q69ZA1-2	Isoform 2 of Cyclin-dependent kinase 13	0.69	1	5	158.04	9.70
Q6A070-2	Isoform 2 of Protein FAM179B	2.27	1	1	192.79	8.37
Q6B966	NACHT, LRR and PYD domains-containing protein 14	0.81	1	1	113.31	6.49
Q6NZK5-2	Isoform 2 of Uncharacterized protein KIAA1328	6.12	1	2	22.03	5.40
Q6P3A8-2	Isoform 2 of 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	3.73	1	6	35.48	5.52
Q6PAM0	5'-AMP-activated protein kinase subunit beta-2	6.64	1	1	30.19	6.46
Q6PE13	Proline-rich transmembrane protein 3	3.5	1	1	101.16	7.52
Q6PFX9-2	Isoform 2 of Tankyrase-1	2.56	1	1	106.58	7.14
Q6PGC1	ATP-dependent RNA helicase Dhx29	0.95	1	1	153.88	7.94
Q6X7S9	EP300-interacting inhibitor of differentiation 2	8.05	1	1	25.29	####
Q6XAS3	MCG116991, isoform CRA_b	8.82	1	2	20.02	5.10
Q6XVG2	Cytochrome P450 2C54	2.24	1	7	55.82	7.47
Q792F9	Alpha-4 integrin	2.42	1	1	115.01	6.81
Q7TNG8	Probable D-lactate dehydrogenase, mitochondrial	7.64	2	3	51.82	6.62
Q80U38	Protein KHNYN	1.79	1	1	74.52	7.87
Q80Y20-3	Isoform 3 of Alkylated DNA repair protein alkB homolog 8	15.98	1	2	18.89	9.26
Q80Z37	E3 ubiquitin-protein ligase Topors	0.77	1	1	117.01	9.52
Q810Y9	PRAME16	3.3	1	1	55.77	5.88
Q8BGC4	Zinc-binding alcohol dehydrogenase domain-containing protein 2	3.98	1	8	40.50	7.42
Q8BGT5	Alanine aminotransferase 2	10.92	3	43	57.91	8.00
Q8BH00	Aldehyde dehydrogenase family 8 member A1	3.08	1	16	53.63	7.55
Q8BHZ4	Zinc finger protein 592	1.66	1	1	137.43	7.96
Q8BLR9	Hypoxia-inducible factor 1-alpha inhibitor	7.16	1	1	40.22	5.83
Q8BMS1	Trifunctional enzyme subunit alpha, mitochondrial	3.15	2	9	82.62	9.14
Q8BU00-2	Isoform 2 of Zinc finger protein Pegasus	5.4	1	2	39.24	7.99
Q8BUM3	Tyrosine-protein phosphatase non-receptor type 7	3.62	1	2	40.33	6.70
Q8BWT1	3-ketoacyl-CoA thiolase, mitochondrial	8.06	2	3	41.80	8.09
Q8BX02-2	Isoform 2 of KN motif and ankyrin repeat domain-containing protein 2	1.32	1	4	64.58	6.04
Q8BZ36-2	Isoform 2 of RAD50-interacting protein 1	0.95	1	1	83.39	5.07
Q8C196	Carbamoyl-phosphate synthase [ammonia], mitochondrial	6.6	8	308	164.51	6.92
Q8C4A5-2	Isoform 2 of Putative Polycomb group protein ASXL3	0.68	1	1	237.37	5.94
Q8C5X1	Protein 4931406P16Rik	2.64	1	1	115.55	7.24
Q8C636-2	Isoform 2 of Spermatogenesis-associated protein 16	2.62	1	8	60.46	8.75
Q8C6H0	Galectin	8.97	1	1	25.41	9.19
Q8C9W3	A disintegrin and metalloproteinase with thrombospondin motifs 2	0.58	1	2	135.21	7.21

Q8CAL5	Glypican-5	6.99	1	1	63.75	7.30
Q8CB59	Protein FAM161B	1.02	1	1	66.93	9.54
Q8CBY1-2	Isoform 2 of Protein Smaug homolog 1	4.43	1	22	66.96	8.43
Q8CBY8-2	Isoform 2 of Dynactin subunit 4	5.87	1	1	52.21	7.69
Q8CEQ0	Cyclin-dependent kinase-like 1	9.38	1	2	41.00	8.95
Q8CF94	Blood group Rh(D) polypeptide	6.94	1	1	45.85	9.14
Q8CH25-2	Isoform 2 of SAFB-like transcription modulator	1.09	1	1	115.11	8.05
Q8CHR6	Dihydropyrimidine dehydrogenase [NADP(+)]	0.98	1	8	111.18	7.27
Q8CHT0	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	3.2	1	2	61.80	8.24
Q8CI17	Protein mab-21-like 3	2.33	1	1	49.74	8.88
Q8CIK8	E3 ubiquitin-protein ligase RFWD3	1.16	1	2	84.26	5.68
Q8JZR0	Long-chain-fatty-acid--CoA ligase 5	2.05	1	1	76.16	7.09
Q8JZZ0	UDP-glucuronosyltransferase 3A2	2.87	1	5	59.63	7.53
Q8K2B3	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	2.56	1	20	72.54	7.37
Q8K2I4	Beta-mannosidase	1.48	1	1	100.77	7.25
Q8QZR3-2	Isoform 2 of Pyrethroid hydrolase Ces2a	4	1	1	58.39	6.19
Q8QZR5	Alanine aminotransferase 1	7.26	2	52	55.11	6.64
Q8QZT1	Acetyl-CoA acetyltransferase, mitochondrial	4.48	1	9	44.79	8.51
Q8QZY9	Splicing factor 3B subunit 4	1.42	1	12	44.33	8.56
Q8R0F8	Acylpyruvase FAHD1, mitochondrial	6.17	1	1	25.16	7.69
Q8R0Y6	Cytosolic 10-formyltetrahydrofolate dehydrogenase	3.22	2	19	98.65	5.91
Q8R2E9	ERO1-like protein beta	6	1	1	53.48	8.09
Q8VBW8	Tetratricopeptide repeat protein 36	7.53	1	32	20.12	5.29
Q8VCA6-3	Isoform 3 of Transmembrane protein 161A	4.23	1	1	31.42	8.85
Q8VCC2	Liver carboxylesterase 1	2.83	1	15	62.64	6.00
Q8VCH0	3-ketoacyl-CoA thiolase B, peroxisomal	14.15	4	44	43.97	8.51
Q8VCT4	Carboxylesterase 1D	1.77	1	2	61.75	6.61
Q8VCW8	Acyl-CoA synthetase family member 2, mitochondrial	5.69	2	15	67.91	8.18
Q8VDD5	Myosin-9	0.97	1	1	226.23	5.66
Q8VI93	2'-5'-oligoadenylate synthase 3	1.76	1	2	126.25	8.72
Q91WT9-2	Isoform 2 of Cystathionine beta-synthase	1.83	1	7	60.15	6.61
Q91X72	Hemopexin	11.96	3	20	51.29	7.80
Q91X77-2	Isoform 2 of Cytochrome P450 2C50	2.55	1	1	48.90	8.24
Q91X91	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	5.35	1	11	31.51	6.71
Q91XD4	Formimidoyltransferase-cyclodeaminase	6.28	2	31	58.90	6.11
Q91Y10	Protein Pcdha9	2.39	1	1	104.53	5.20
Q91Y97	Fructose-bisphosphate aldolase B	5.49	1	160	39.48	8.27
Q91Z53	Glyoxylate reductase/hydroxypyruvate reductase	9.15	2	4	35.31	7.65
Q91ZK0	Transcription factor AP-2-delta	1.33	1	4	49.52	8.16
Q920E5	Farnesyl pyrophosphate synthase	5.95	1	10	40.56	5.66

Q922D8	C-1-tetrahydrofolate synthase, cytoplasmic	2.99	2	7	101.14	7.14
Q922Q1	Mitochondrial amidoxime reducing component 2	6.8	1	2	38.17	8.68
Q923B3	Neurotrophin receptor-interacting factor 1	0.85	1	2	93.59	9.03
Q923D2	Flavin reductase (NADPH)	10.19	1	6	22.18	7.01
Q925G2	Cytochrome b reductase 1	10.69	1	2	31.82	9.06
Q93092	Transaldolase	3.86	1	4	37.36	7.03
Q99K67	Alpha-aminoadipic semialdehyde synthase, mitochondrial	2.16	1	1	102.91	6.87
Q99KI0	Aconitate hydratase, mitochondrial	4.87	2	16	85.41	7.93
Q99KR7	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	4.85	1	5	21.72	9.16
Q99LB7	Sarcosine dehydrogenase, mitochondrial	6.09	3	99	101.62	6.74
Q99LC5	Electron transfer flavoprotein subunit alpha, mitochondrial	4.8	1	9	34.99	8.38
Q99LJ0	CTTNBP2 N-terminal-like protein	2.04	1	1	69.80	7.71
Q9CPU0	Lactoylglutathione lyase	9.24	1	8	20.80	5.47
Q9CPY7-2	Isoform 2 of Cytosol aminopeptidase	9.63	4	15	52.72	7.03
Q9CQ62	2,4-dienoyl-CoA reductase, mitochondrial	5.37	1	11	36.19	8.95
Q9CR00	26S proteasome non-ATPase regulatory subunit 9	5.41	1	2	24.70	6.43
Q9CWJ9	Bifunctional purine biosynthesis protein PURH	1.86	1	1	64.18	6.76
Q9CWV7	Zinc finger SWIM domain-containing protein 1	3.3	1	1	51.45	6.96
Q9CWX9	Probable ATP-dependent RNA helicase DDX47	1.54	1	1	50.61	9.10
Q9CXT6	Lysine-specific demethylase 8	8.45	1	1	47.11	5.50
Q9CZ13	Cytochrome b-c1 complex subunit 1, mitochondrial	3.96	1	42	52.82	6.21
Q9D2Z8	Kinesin-like protein KIF12	2.02	1	3	70.66	8.56
Q9D8E6	60S ribosomal protein L4	4.53	1	22	47.12	####
Q9DB20	ATP synthase subunit O, mitochondrial	10.33	1	19	23.35	9.99
Q9DB77	Cytochrome b-c1 complex subunit 2, mitochondrial	5.3	2	5	48.21	9.25
Q9DBA8	Probable imidazolonepropionase	3.29	1	1	46.46	6.95
Q9DBJ1	Phosphoglycerate mutase 1	8.27	1	11	28.81	7.18
Q9DBM2	Peroxisomal bifunctional enzyme	2.51	1	57	78.25	9.13
Q9DBR0	A-kinase anchor protein 8	1.89	1	1	76.25	5.14
Q9DCW4	Electron transfer flavoprotein subunit beta	6.67	1	10	27.61	8.10
Q9EP84	G protein-coupled receptor kinase 6	3.04	1	1	64.24	8.53
Q9EQ20	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	3.74	1	12	57.88	8.07
Q9EQW4	Cytochrome P450, CYP3A	1.79	1	1	57.58	7.15
Q9ERB0	Synaptosomal-associated protein 29	8.85	1	1	29.55	5.38
Q9JHU4	Cytoplasmic dynein 1 heavy chain 1	0.17	1	13	531.71	6.42
Q9JLN9	Serine/threonine-protein kinase mTOR	0.39	1	1	288.60	7.17
Q9QUG2-2	Isoform 2 of DNA polymerase kappa	1.08	1	2	82.63	5.49
Q9QXF8	Glycine N-methyltransferase	6.83	2	69	32.65	7.44
Q9QXX8	Nuclear fragile X mental retardation-interacting protein 1	1.24	1	3	54.68	9.47
Q9QZD8	Mitochondrial dicarboxylate carrier	5.57	1	11	31.69	9.32

Q9WTP7	GTP:AMP phosphotransferase AK3, mitochondrial	6.17	1	12	25.41	8.84
Q9WTX8-2	Isoform 2 of Mitotic spindle assembly checkpoint protein MAD1	8.37	1	1	60.11	5.66
Q9WUM5	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	4.62	1	2	36.13	9.39
Q9WUR2-2	Isoform 2 of Enoyl-CoA delta isomerase 2, mitochondrial	6.7	1	4	39.48	8.43
Q9WVJ3-2	Isoform 2 of Carboxypeptidase Q	5.02	1	1	50.46	6.40
Q9Z0V1-3	Isoform 3 of Potassium voltage-gated channel subfamily D member 3	4.33	1	1	59.82	8.35
Q9Z2W0	Aspartyl aminopeptidase	3.38	1	2	52.17	7.25
Q9Z2X1-2	Isoform 2 of Heterogeneous nuclear ribonucleoprotein F	5.32	1	1	43.66	5.48
Q9Z2Z6	Mitochondrial carnitine/acylcarnitine carrier protein	7.97	1	6	33.00	9.11
S4R1I6	MCG2872, isoform CRA_b	3.69	1	1	46.04	8.34
S4R1L5	Baculoviral IAP repeat-containing protein 6	0.33	1	1	528.99	6.02
S4R1W7	Ras-related protein Rab-35	20	1	1	6.26	####
S4R2R5	Ankyrin-2 (Fragment)	4.61	1	2	106.77	5.08

^a Accession number provided from the Uniprot mouse database (05/21/2014, 51344 sequences). ^b Sequence coverage. ^c Number of unique peptides identified. ^d Spectral counts. ^e Molecular weight. ^f Isoelectrical point.