

**Table S1. Identification of human S-acylated proteins from non-raft and lipid raft-enriched fractions using the protein-based procedure.**

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
1	IPI00739539	A26C1B	Ankrd26-like family C member 1B	Raft	7	90/1075	6	6	14	7	20	13	20	13	1.54	0.431	0.609	
2	IPI00002230	AADACL1	Arylacetylamide deacetylase-like 1	Non-raft	13	176/440	28	16	24	7	52	23	55	23	2.39	0.872	0.382	M
	IPI00002230	AADACL1	Arylacetylamide deacetylase-like 1	Raft	3	41/440	3	0	0	0	3	0						
3	IPI00027442	AARS	Alanyl-tRNA synthetase, cytoplasmic	Non-raft	5	67/968	2	3	0	1	2	4	2	4	0.50	-0.693	0.959	
4	IPI00065486	ABCB6	CDNA FLJ32464 fis, clone SKNMC1000251, highly similar to Homo sapiens MT-ABC transporter (MTABC) mRNA	Non-raft	9	139/766	11	0	3	0	14	0	14	0	14.00	2.639	0.005	
5	IPI00008338	ABCC1	Isoform 2 of Multidrug resistance-associated protein 1	Non-raft	2	18/1472	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
6	IPI00006675	ABCC4	Multidrug resistance-associated protein 4	Non-raft	5	60/1325	4	0	3	0	7	0	7	0	7.00	1.946	0.044	
7	IPI00303207	ABCE1	ATP-binding cassette sub-family E member 1	Non-raft	9	141/599	6	5	2	2	8	7	8	7	1.14	0.134	0.747	
8	IPI00001539	ACAA2	3-ketoacyl-CoA thiolase, mitochondrial	Non-raft	2	46/397	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
9	IPI00005040	ACADM	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	Non-raft	2	20/421	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
10	IPI00028031	ACADVL	Isoform 1 of Very-long-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	Non-raft	16	187/701	10	4	4	6	14	10	14	10	1.40	0.336	0.655	
11	IPI00030363	ACAT1	Acetyl-CoA acetyltransferase, mitochondrial precursor	Non-raft	10	159/427	11	2	5	1	16	3	16	3	5.33	1.674	0.089	
12	IPI00291419	ACAT2	Acetyl-CoA acetyltransferase, cytosolic	Non-raft	8	135/397	10	1	3	0	13	1	13	1	13.00	2.565	0.006	
13	IPI00021290	ACLY	ATP-citrate synthase	Non-raft	6	86/1101	3	4	0	1	3	5	3	5	0.60	-0.511	0.934	
14	IPI00017855	ACO2	Aconitate hydratase, mitochondrial precursor	Non-raft	6	78/780	3	2	2	0	5	2	5	2	2.50	0.916	0.360	
15	IPI00003807	ACP2	Lysosomal acid phosphatase precursor	Non-raft	2	18/423	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
16	IPI00031397	ACSL3	Long-chain-fatty-acid--CoA ligase 3	Non-raft	10	143/720	6	2	4	2	10	4	10	4	2.50	0.916	0.360	
17	IPI00029737	ACSL4	Isoform Long of Long-chain-fatty-acid--CoA ligase 4	Non-raft	5	75/711	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
18	IPI00021428	ACTA1	Actin, alpha skeletal muscle	Non-raft	13	123/377	17	21	21	21	38	42	103	88	1.17	0.157	0.737	H
	IPI00021428	ACTA1	Actin, alpha skeletal muscle	Raft	16	198/377	22	24	43	22	65	46						
19	IPI00008603	ACTA2	Actin, aortic smooth muscle	Non-raft	5	78/377	4	3	0	0	4	3	4	3	1.33	0.288	0.678	H
20	IPI00021439	ACTB	Actin, cytoplasmic 1	Non-raft	25	252/375	61	54	34	41	95	95	221	190	1.16	0.151	0.739	
	IPI00021439	ACTB	Actin, cytoplasmic 1	Raft	24	291/375	60	55	66	40	126	95						
21	IPI00021440	ACTG1	Actin, cytoplasmic 2	Non-raft	25	252/375	60	57	37	38	97	95	226	192	1.18	0.163	0.734	
	IPI00021440	ACTG1	Actin, cytoplasmic 2	Raft	25	277/375	66	57	63	40	129	97						
22	IPI00013508	ACTN1	Alpha-actinin-1	Non-raft	14	182/892	9	4	5	5	14	9	34	22	1.55	0.435	0.606	
	IPI00013508	ACTN1	Alpha-actinin-1	Raft	17	220/892	17	11	3	2	20	13						
23	IPI00013808	ACTN4	Alpha-actinin-4	Non-raft	20	278/911	13	8	4	9	17	17	44	42	1.05	0.047	0.782	
	IPI00013808	ACTN4	Alpha-actinin-4	Raft	32	402/911	27	25	0	0	27	25						
24	IPI00028091	ACTR3	Actin-like protein 3	Non-raft	3	34/418	0	3	0	0	0	3	0	3	0.33	-1.099	0.988	
25	IPI00013897	ADAM10	ADAM 10 precursor	Non-raft	13	161/748	11	3	3	0	14	3	16	3	5.33	1.674	0.089	M
	IPI00013897	ADAM10	ADAM 10 precursor	Raft	2	24/748	2	0	0	0	2	0						
26	IPI00029606	ADAM17	Isoform B of ADAM 17 precursor	Non-raft	4	50/694	1	0	3	0	4	0	8	0	8.00	2.079	0.030	
	IPI00029606	ADAM17	Isoform B of ADAM 17 precursor	Raft	2	20/694	2	0	2	0	4	0						
27	IPI00440932	ADAM9	Isoform 1 of ADAM 9 precursor	Non-raft	9	111/819	9	9	2	1	11	10	11	10	1.10	0.095	0.762	
28	IPI00025057	ADAR	Isoform 2 of Double-stranded RNA-specific adenosine deaminase	Raft	3	52/1200	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
29	IPI00019141	AGPAT1	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha	Non-raft	2	31/283	2	0	3	0	5	0	5	0	5.00	1.609	0.103	H
30	IPI00385128	AGPAT7	Isoform 1 of 1-acyl-sn-glycerol-3-phosphate acyltransferase eta	Non-raft	5	61/524	4	1	2	0	6	1	6	1	6.00	1.792	0.067	
31	IPI00010349	AGPS	Alkylidihydroxyacetonephosphate synthase, peroxisomal precursor	Non-raft	4	54/658	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
32	IPI00374563	AGRN	Agtrin precursor	Non-raft	7	84/2045	1	7	0	0	1	7	5	9	0.56	-0.588	0.946	
	IPI00374563	AGRN	Agtrin precursor	Raft	5	62/2045	4	2	0	0	4	2						

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							1st		2nd									
							EXP	CON	EXP	CON								
33	IPI00012007	AHCY	Adenosylhomocysteinase	Non-raft	8	84/432	4	4	0	2	4	6	4	6	0.67	-0.405	0.914	
34	IPI00182938	AHCYL1	Putative adenosylhomocysteinase 2	Non-raft	2	26/530	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
35	IPI00021812	AHNAK	Neuroblast differentiation-associated protein AHNAK (Fragment)	Non-raft	4	56/5890	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
36	IPI00856045	AHNAK2	Isoform 1 of protein AHNAK2	Non-raft	3	38/5795	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
37	IPI00000690	AIFM1	Isoform 1 of Programmed cell death protein 8, mitochondrial precursor	Non-raft	2	27/613	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
38	IPI00413641	AKR1B1	Aldose reductase	Non-raft	2	18/316	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
39	IPI00015102	ALCAM	CD166 antigen precursor	Non-raft	2	24/583	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
40	IPI00008982	ALDH18A1	Isoform Long of Delta 1-pyrroline-5-carboxylate synthetase	Non-raft	8	90/795	9	1	3	1	12	2	12	2	6.00	1.792	0.067	
41	IPI00103467	ALDH1B1	Aldehyde dehydrogenase X, mitochondrial precursor	Non-raft	6	94/517	5	0	5	1	10	1	10	1	10.00	2.303	0.015	
42	IPI00006663	ALDH2	Aldehyde dehydrogenase, mitochondrial precursor	Non-raft	4	58/517	2	2	3	0	5	2	5	2	2.50	0.916	0.360	
43	IPI00018031	ALDH3B1	Isoform 1 of Aldehyde dehydrogenase 3B1	Non-raft	8	96/468	9	0	4	0	13	0	18	0	18.00	2.890	0.002	
	IPI00018031	ALDH3B1	Isoform 1 of Aldehyde dehydrogenase 3B1	Raft	2	23/468	3	0	2	0	5	0						
44	IPI00019888	ALDH5A1	Succinate semialdehyde dehydrogenase, mitochondrial precursor	Non-raft	2	28/535	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
45	IPI00024990	ALDH6A1	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial precursor	Non-raft	4	44/535	1	0	3	0	4	0	4	0	4.00	1.386	0.165	
46	IPI00221234	ALDH7A1	Similar to Aldehyde dehydrogenase family 7 member A1	Non-raft	4	55/539	2	3	1	0	3	3	3	3	1.00	0.000	0.799	
47	IPI00465439	ALDOA	Fructose-bisphosphate aldolase A	Non-raft	21	251/364	26	24	11	9	37	33	37	33	1.12	0.114	0.755	M
48	IPI00022426	AMBP	AMBP protein precursor	Non-raft	3	31/352	0	0	0	4	0	4	0	6	0.17	-1.792	0.999	
	IPI00022426	AMBP	AMBP protein precursor	Raft	2	19/352	0	0	0	2	0	2						
49	IPI00030431	ANTXR1	Isoform 1 of Anthrax toxin receptor 1 precursor	Non-raft	8	83/564	12	0	7	0	19	0	26	0	26.00	3.258	0.000	M
	IPI00030431	ANTXR1	Isoform 1 of Anthrax toxin receptor 1 precursor	Raft	5	54/564	5	0	2	0	7	0						
50	IPI00036552	ANTXR2	Isoform 2 of Anthrax toxin receptor 2 precursor	Non-raft	3	35/386	3	0	3	0	6	0	6	0	6.00	1.792	0.067	
51	IPI00218918	ANXA1	Annexin A1	Non-raft	9	117/346	7	4	0	1	7	5	7	5	1.40	0.336	0.655	
52	IPI00418169	ANXA2	annexin A2 isoform 1	Non-raft	24	228/357	44	30	20	22	64	52	103	78	1.32	0.278	0.683	
	IPI00418169	ANXA2	annexin A2 isoform 1	Raft	19	188/357	23	20	16	6	39	26						
53	IPI00334627	ANXA2P2	Similar to annexin A2 isoform 1	Non-raft	11	138/339	17	12	2	1	19	13	21	14	1.50	0.405	0.621	
	IPI00334627	ANXA2P2	Similar to annexin A2 isoform 1	Raft	2	21/339	2	1	0	0	2	1						
54	IPI00555692	ANXA4	ANXA4 protein	Non-raft	6	78/319	6	1	0	0	6	1	6	1	6.00	1.792	0.067	
55	IPI00002459	ANXA6	annexin VI isoform 2	Non-raft	5	68/667	4	2	0	0	4	2	4	2	2.00	0.693	0.473	
56	IPI00016621	AP2A2	AP-2 complex subunit alpha-2	Non-raft	2	28/940	2	0	0	0	2	0	4	1	4.00	1.386	0.165	
	IPI00016621	AP2A2	AP-2 complex subunit alpha-2	Raft	2	28/940	2	1	0	0	2	1						
57	IPI00215911	APEX1	DNA-(apurinic or apyrimidinic site) lyase	Non-raft	4	68/318	4	3	2	0	6	3	12	5	2.40	0.875	0.380	
	IPI00215911	APEX1	DNA-(apurinic or apyrimidinic site) lyase	Raft	5	83/318	3	1	3	1	6	2						
58	IPI00298520	ARCNI	Hypothetical protein DKEZp686M09245	Non-raft	7	78/552	6	3	2	1	8	4	8	4	2.00	0.693	0.473	
59	IPI00215914	ARF1	ADP-ribosylation factor 1	Non-raft	2	28/181	0	0	1	1	1	1	1	1	1.00	0.000	0.799	M
60	IPI00291560	ARG1	Isoform 1 of Arginase-1	Non-raft	3	42/322	0	3	0	0	0	3	2	6	0.33	-1.099	0.988	
	IPI00291560	ARG1	Isoform 1 of Arginase-1	Raft	4	53/322	2	3	0	0	2	3						
61	IPI00005163	ARL15	ARFRP2 protein	Non-raft	4	58/204	2	0	5	0	7	0	7	0	7.00	1.946	0.044	M
62	IPI00169267	ARL6IP2	ARL6IP2	Non-raft	2	30/583	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
63	IPI00007426	ARL6IP5	PRA1 family protein 3	Non-raft	3	39/188	5	0	0	1	5	1	5	1	5.00	1.609	0.103	
64	IPI00167074	ARL6IP6	Phosphonoformate immuno-associated protein 1	Non-raft	2	20/226	2	0	1	0	3	0	3	0	3.00	1.099	0.275	H
65	IPI00018871	ARL8B	ADP-ribosylation factor-like protein 8B	Non-raft	3	47/238	2	1	1	0	3	1	3	1	3.00	1.099	0.275	
66	IPI00013698	ASAH1	Acid ceramidase precursor	Non-raft	3	29/395	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
67	IPI00420014	ASCC3L1	U5 small nuclear ribonucleoprotein 200 kDa helicase	Raft	9	103/2136	7	2	0	0	7	2	7	2	3.50	1.253	0.212	M
68	IPI00554777	ASNS	Asparagine synthetase	Non-raft	2	23/561	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
69	IPI00294834	ASPH	Aspartyl/asparaginyl beta-hydroxylase	Raft	3	43/758	2	1	0	0	2	1	10	4	2.50	0.916	0.360	
	IPI00294834	ASPH	Aspartyl/asparaginyl beta-hydroxylase	Non-raft	8	93/758	6	3	2	0	8	3						

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							1st		2nd									
							EXP	CON	EXP	CON								
70	IPI00550523	ATL3	hypothetical protein LOC25923	Non-raft	3	55/541	3	1	0	1	3	2	3	2	1.50	0.405	0.621	
71	IPI00255653	ATP11A	Probable phospholipid-transporting ATPase IH	Non-raft	8	103/1134	7	0	3	0	10	0	10	0	10.00	2.303	0.015	
72	IPI00240793	ATP11B	Probable phospholipid-transporting ATPase IF	Non-raft	6	97/1177	5	0	3	0	8	0	8	0	8.00	2.079	0.030	M
73	IPI00177661	ATP13A3	PREDICTED: similar to Probable cation-transporting ATPase 13A3 (ATPase family homolog up-regulated in senescence cells 1) isoform 2	Non-raft	5	79/684	5	0	0	0	5	0	5	0	5.00	1.609	0.103	M
74	IPI00006482	ATP1A1	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	Non-raft	28	327/1023	27	20	13	10	40	30	45	34	1.32	0.280	0.682	H
	IPI00006482	ATP1A1	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	Raft	6	82/1023	5	4	0	0	5	4						
75	IPI00219078	ATP2A2	Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	Non-raft	28	345/1042	31	25	17	7	48	32	48	32	1.50	0.405	0.621	
76	IPI00021695	ATP2B1	Isoform D of Plasma membrane calcium-transporting ATPase 1	Non-raft	7	79/1258	6	3	0	0	6	3	6	3	2.00	0.693	0.473	
77	IPI00012490	ATP2B4	Isoform XD of Plasma membrane calcium-transporting ATPase 4	Non-raft	9	118/1241	9	3	0	0	9	3	9	3	3.00	1.099	0.275	M
78	IPI00220473	ATP2C1	Isoform 2 of Calcium-transporting ATPase type 2C member 1	Non-raft	2	28/888	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
79	IPI00440493	ATP5A1	ATP synthase subunit alpha, mitochondrial precursor	Non-raft	18	233/553	17	10	9	5	26	15	26	15	1.73	0.550	0.548	
80	IPI00303476	ATP5B	ATP synthase subunit beta, mitochondrial precursor	Non-raft	5	76/529	5	2	4	0	9	2	9	2	4.50	1.504	0.130	
81	IPI00219291	ATP5J2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2 isoform 2b	Non-raft	2	24/88	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
82	IPI00007611	ATP5O	ATP synthase O subunit, mitochondrial precursor	Non-raft	2	12/213	1	0	1	0	2	0	2	0	2.00	0.693	0.473	M
83	IPI00024368	ATP9A	Isoform Long of Probable phospholipid-transporting ATPase IIA	Non-raft	2	20/1047	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
84	IPI00180154	ATXN2	140 kDa protein	Raft	3	48/1313	0	3	0	0	0	3	0	3	0.33	-1.099	0.988	
85	IPI00456359	ATXN2L	Isoform 1 of Ataxin-2-like protein	Raft	2	34/1075	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
86	IPI00001891	AUP1	Isoform Long of Ancient ubiquitous protein 1 precursor	Non-raft	5	111/476	5	0	6	0	11	0	11	0	11.00	2.398	0.011	H
87	IPI00296992	AXL	AXL receptor tyrosine kinase isoform 1	Non-raft	3	41/894	2	4	1	0	3	4	3	4	0.75	-0.288	0.888	
88	IPI00166729	AZGP1	alpha-2-glycoprotein 1, zinc	Non-raft	2	33/298	0	1	0	1	0	2	0	2	0.50	-0.693	0.959	
89	IPI00215767	B4GALT1	Isoform Long of Beta-1,4-galactosyltransferase 1	Non-raft	2	33/398	3	0	0	0	3	0	3	0	3.00	1.099	0.275	M
90	IPI00000643	BAG2	BAG family molecular chaperone regulator 2	Raft	3	44/211	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
91	IPI00033075	BAT5	Protein BAT5	Non-raft	4	42/558	6	0	1	0	7	0	7	0	7.00	1.946	0.044	H
92	IPI00002406	BCAM	Lutheran blood group glycoprotein precursor	Non-raft	20	275/628	35	3	17	0	52	3	61	4	15.25	2.725	0.003	
	IPI00002406	BCAM	Lutheran blood group glycoprotein precursor	Raft	8	112/628	4	0	5	1	9	1						
93	IPI00019835	BCL2L12	Isoform 1 of Bcl-2-related proline-rich protein	Non-raft	4	53/334	5	0	1	0	6	0	6	0	6.00	1.792	0.067	
94	IPI00219575	BLMH	Bleomycin hydrolase	Non-raft	3	49/455	0	3	0	0	0	3	1	4	0.25	-1.386	0.996	
	IPI00219575	BLMH	Bleomycin hydrolase	Raft	2	31/455	1	1	0	0	1	1						
95	IPI00019906	BSG	Isoform 2 of Basigin precursor	Non-raft	4	51/269	3	1	0	1	3	2	3	2	1.50	0.405	0.621	
96	IPI00013468	BUB3	Mitotic checkpoint protein BUB3	Non-raft	4	58/328	2	2	0	1	2	3	8	4	2.00	0.693	0.473	
	IPI00013468	BUB3	Mitotic checkpoint protein BUB3	Raft	4	60/328	6	1	0	0	6	1						
97	IPI00016670	C11orf59	FLJ20625 protein	Non-raft	6	84/161	6	0	7	0	13	0	25	0	25.00	3.219	0.000	H
	IPI00016670	C11orf59	FLJ20625 protein	Raft	7	85/161	9	0	3	0	12	0						
98	IPI00030959	C13orf1	24 kDa protein	Non-raft	4	46/196	3	0	2	0	5	0	5	0	5.00	1.609	0.103	
99	IPI00006980	C14orf166	Protein C14orf166	Raft	10	129/244	11	0	0	0	11	0	11	0	11.00	2.398	0.011	
100	IPI00166051	C14orf24	Uncharacterized protein C14orf24	Non-raft	4	48/213	4	0	4	0	8	0	8	0	8.00	2.079	0.030	
101	IPI00056357	C19orf10	Uncharacterized protein C19orf10 precursor	Non-raft	2	27/173	2	1	2	0	4	1	4	1	4.00	1.386	0.165	
102	IPI00419849	C19orf2	RNA polymerase II subunit 5-mediating protein	Raft	3	34/535	2	2	0	0	2	2	2	2	1.00	0.000	0.799	
103	IPI00303401	C1orf75	FLJ10874 protein	Non-raft	6	105/350	4	0	4	0	8	0	8	0	8.00	2.079	0.030	M
104	IPI00024913	C21orf33	Isoform Long of ES1 protein homolog, mitochondrial precursor	Non-raft	2	27/268	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
105	IPI00550689	C22orf28	UPF0027 protein C22orf28	Non-raft	3	38/505	1	1	2	0	3	1	9	3	3.00	1.099	0.275	
	IPI00550689	C22orf28	UPF0027 protein C22orf28	Raft	6	70/505	5	1	1	1	6	2						

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
106	IPI00550440	C2orf18	Uncharacterized protein C2orf18 precursor	Non-raft	3	25/371	7	0	2	0	9	0	11	0	11.00	2.398	0.011	
	IPI00550440	C2orf18	Uncharacterized protein C2orf18 precursor	Raft	2	25/371	2	0	0	0	2	0						
107	IPI00024618	C3orf37	UPF0361 protein DC12	Raft	4	47/354	5	0	1	0	6	0	6	0	6.00	1.792	0.067	
108	IPI00550571	C5orf15	Keratinocytes-associated transmembrane protein 2 precursor	Non-raft	2	21/265	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
109	IPI00031617	C6orf125	Protein C6orf125	Non-raft	3	34/126	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
110	IPI00007067	C9orf19	Golgi-associated plant pathogenesis-related protein 1	Raft	2	26/154	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
111	IPI00012429	C9orf5	Isoform 2 of Protein C9orf5	Non-raft	2	26/886	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
112	IPI00395627	CACYBP	Isoform 1 of Calcyclin-binding protein	Non-raft	3	47/228	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
113	IPI00176427	CADM4	TSLC1-like 2	Non-raft	4	58/388	3	0	3	0	6	0	6	0	6.00	1.792	0.067	
114	IPI00021536	CALML5	Calmodulin-like protein 5	Non-raft	3	48/146	1	0	0	3	1	3	1	3	0.33	-1.099	0.988	
115	IPI00020599	CALR	Calreticulin precursor	Non-raft	3	55/417	2	3	1	1	3	4	3	4	0.75	-0.288	0.888	
116	IPI00020984	CANX	Calnexin precursor	Non-raft	24	284/627	45	2	27	4	72	6	80	7	11.43	2.436	0.010	H
	IPI00020984	CANX	Calnexin precursor	Raft	5	66/627	4	0	4	1	8	1						
117	IPI00008274	CAP1	Adenylyl cyclase-associated protein 1	Non-raft	4	72/475	3	0	1	0	4	0	4	0	4.00	1.386	0.165	
118	IPI00643994	CAPN5	CDNA FLJ46245 fis, clone TEST14020596, highly similar to Homo sapiens calpain 5	Non-raft	2	23/680	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
119	IPI00150961	CAPRIN1	membrane component chromosome 11 surface marker 1 isoform 1	Raft	10	152/709	15	7	4	4	19	11	19	11	1.73	0.547	0.549	M
120	IPI00026182	CAPZA2	F-actin capping protein alpha-2 subunit	Raft	3	42/286	1	1	1	1	2	2	2	2	1.00	0.000	0.799	
121	IPI00026185	CAPZB	Isoform 1 of F-actin capping protein subunit beta	Non-raft	4	53/303	4	0	0	0	4	0	9	2	4.50	1.504	0.130	
	IPI00026185	CAPZB	Isoform 1 of F-actin capping protein subunit beta	Raft	5	63/303	4	2	1	0	5	2						
122	IPI00514301	CASK	Peripheral plasma membrane protein CASK	Non-raft	5	55/926	5	0	0	0	5	0	8	0	8.00	2.079	0.030	
	IPI00514301	CASK	Peripheral plasma membrane protein CASK	Raft	3	30/926	3	0	0	0	3	0						
123	IPI00013885	CASP14	Caspase-14 precursor	Non-raft	2	22/242	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
124	IPI00465436	CAT	Catalase	Non-raft	4	61/527	4	3	0	0	4	3	4	3	1.33	0.288	0.678	
125	IPI00009236	CAV1	Caveolin 1	Non-raft	9	89/178	11	0	14	0	25	0	47	0	47.00	3.850	0.000	
	IPI00009236	CAV1	Caveolin 1	Raft	11	130/178	13	0	9	0	22	0						
126	IPI00019870	CAV2	Isoform Alpha of Caveolin-2	Non-raft	2	42/162	0	0	4	0	4	0	10	0	10.00	2.303	0.015	
	IPI00019870	CAV2	Isoform Alpha of Caveolin-2	Raft	3	42/162	2	0	4	0	6	0						
127	IPI00410093	CCDC69	coiled-coil domain containing 69	Raft	2	23/296	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
128	IPI00334743	CCNY	Isoform 2 of Cyclin fold protein 1	Non-raft	5	63/316	4	0	1	0	5	0	9	0	9.00	2.197	0.021	H
	IPI00334743	CCNY	Isoform 2 of Cyclin fold protein 1	Raft	3	43/316	2	0	2	0	4	0						
129	IPI00185371	CCNYL1	CDNA FLJ40432 fis, clone TEST12039227	Non-raft	5	51/289	5	0	1	0	6	0	6	0	6.00	1.792	0.067	M
130	IPI00297779	CCT2	T-complex protein 1 subunit beta	Non-raft	9	131/535	7	5	2	3	9	8	12	12	1.00	0.000	0.799	H
	IPI00297779	CCT2	T-complex protein 1 subunit beta	Raft	6	80/535	3	4	0	0	3	4						
131	IPI00290770	CCT3	chaperonin containing TCP1, subunit 3 isoform b	Non-raft	5	60/544	4	3	1	2	5	5	5	5	1.00	0.000	0.799	
132	IPI00302927	CCT4	T-complex protein 1 subunit delta	Non-raft	9	126/539	6	5	2	2	8	7	8	7	1.14	0.134	0.747	
133	IPI00010720	CCT5	T-complex protein 1 subunit epsilon	Non-raft	6	69/541	3	4	3	3	6	7	9	11	0.82	-0.201	0.864	H
	IPI00010720	CCT5	T-complex protein 1 subunit epsilon	Raft	5	63/541	3	4	0	0	3	4						
134	IPI00027626	CCT6A	T-complex protein 1 subunit zeta	Non-raft	6	103/531	3	4	3	1	6	5	7	6	1.17	0.154	0.738	
	IPI00027626	CCT6A	T-complex protein 1 subunit zeta	Raft	2	37/531	1	1	0	0	1	1						
135	IPI00018465	CCT7	T-complex protein 1 subunit eta	Non-raft	6	101/543	6	3	1	0	7	3	7	3	2.33	0.847	0.394	
136	IPI00302925	CCT8	Chaperonin containing TCP1, subunit 8	Non-raft	15	167/547	9	8	6	3	15	11	22	18	1.22	0.201	0.718	
	IPI00302925	CCT8	Chaperonin containing TCP1, subunit 8	Raft	10	117/547	6	7	1	0	7	7						
137	IPI00298851	CD151	CD151 antigen	Non-raft	3	32/253	7	0	6	0	13	0	13	0	13.00	2.565	0.006	
138	IPI00410488	CD276	Isoform 1 of CD276 antigen precursor	Non-raft	4	68/534	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
139	IPI00297160	CD44	CD44 antigen isoform 4 precursor	Non-raft	15	141/361	46	5	22	0	68	5	137	6	22.83	3.128	0.001	
	IPI00297160	CD44	CD44 antigen isoform 4 precursor	Raft	14	125/361	55	0	14	1	69	1						
140	IPI00219852	CD46	Isoform B of Membrane cofactor protein precursor	Non-raft	5	23/399	5	1	5	1	10	2	10	2	5.00	1.609	0.103	

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							1st		2nd									
							EXP	CON	EXP	CON								
141	IPI00152418	CD55	Decay-accelerating factor splicing variant 4	Raft	2	18/525	1	1	1	1	2	2	2	2	1.00	0.000	0.799	
142	IPI00000059	CD58	LFA-3	Non-raft	2	12/162	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
143	IPI00215998	CD63	CD63 antigen	Non-raft	4	38/238	10	2	7	0	17	2	21	2	10.50	2.351	0.013	
	IPI00215998	CD63	CD63 antigen	Raft	2	12/238	4	0	0	0	4	0						
144	IPI00031713	CD70	Tumor necrosis factor ligand superfamily member 7	Non-raft	6	77/193	13	1	5	0	18	1	18	1	18.00	2.890	0.002	
145	IPI00000190	CD81	CD81 antigen	Non-raft	3	27/236	10	0	10	0	20	0	26	0	26.00	3.258	0.000	M
	IPI00000190	CD81	CD81 antigen	Raft	2	23/236	4	0	2	0	6	0						
146	IPI00215997	CD9	CD9 antigen	Non-raft	3	47/228	9	1	14	0	23	1	26	1	26.00	3.258	0.000	
	IPI00215997	CD9	CD9 antigen	Raft	2	22/228	2	0	1	0	3	0						
147	IPI00299412	CD97	Isoform 2 of CD97 antigen precursor	Non-raft	6	70/742	7	6	9	4	16	10	16	10	1.60	0.470	0.589	
148	IPI00016786	CDC42	Isoform 2 of Cell division control protein 42 homolog precursor	Non-raft	5	79/191	5	1	5	2	10	3	10	3	3.33	1.204	0.231	
149	IPI00024973	CDC42SE2	CDC42 small effector 2	Non-raft	2	21/84	4	0	1	0	5	0	5	0	5.00	1.609	0.103	M
150	IPI00290039	CDCP1	Isoform 1 of CUB domain-containing protein 1 precursor	Non-raft	8	113/836	6	0	4	0	10	0	16	0	16.00	2.773	0.003	
	IPI00290039	CDCP1	Isoform 1 of CUB domain-containing protein 1 precursor	Raft	5	77/836	4	0	2	0	6	0						
151	IPI00000685	CDK7	Cell division protein kinase 7	Raft	2	24/346	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
152	IPI00015713	CDKAL1	CDK5 regulatory subunit associated protein 1-like 1	Non-raft	3	39/579	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
153	IPI00012011	CFL1	Cofilin-1	Non-raft	7	90/166	5	5	6	5	11	10	20	15	1.33	0.288	0.678	
	IPI00012011	CFL1	Cofilin-1	Raft	6	82/166	6	3	3	2	9	5						
154	IPI00413344	CFL2	Cofilin-2	Non-raft	5	68/166	3	2	3	1	6	3	10	4	2.50	0.916	0.360	
	IPI00413344	CFL2	Cofilin-2	Raft	4	60/166	4	1	0	0	4	1						
155	IPI00141318	CKAP4	Isoform 1 of Cytoskeleton-associated protein 4	Non-raft	26	324/602	29	1	20	0	49	1	98	1	98.00	4.585	0.000	
	IPI00141318	CKAP4	Isoform 1 of Cytoskeleton-associated protein 4	Raft	23	300/602	28	0	21	0	49	0						
156	IPI00022977	CKB	Creatine kinase B-type	Non-raft	5	62/381	3	3	1	1	4	4	4	4	1.00	0.000	0.799	
157	IPI00045511	CLCC1	Mid-1-related chloride channel 1 isoform 1	Non-raft	2	22/551	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
158	IPI00000691	CLDN1	Claudin-1	Non-raft	3	42/211	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
159	IPI00059710	CLDN23	Claudin-23	Raft	5	80/292	5	0	1	0	6	0	6	0	6.00	1.792	0.067	
160	IPI00007364	CLDN3	Claudin-3	Non-raft	5	44/220	3	0	3	0	6	0	8	0	8.00	2.079	0.030	
	IPI00007364	CLDN3	Claudin-3	Raft	2	15/220	2	0	0	0	2	0						
161	IPI00072743	CLDND1	Isoform 1 of Claudin domain-containing protein 1	Raft	5	62/253	7	0	1	0	8	0	8	0	8.00	2.079	0.030	
162	IPI00024776	CLGN	Calmegin precursor	Non-raft	2	20/610	2	0	0	0	2	0	2	0	2.00	0.693	0.473	M
163	IPI00010896	CLIC1	Chloride intracellular channel protein 1	Non-raft	6	87/241	5	1	1	2	6	3	6	3	2.00	0.693	0.473	
164	IPI00001960	CLIC4	Chloride intracellular channel protein 4	Non-raft	2	21/253	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
165	IPI00024067	CLTC	clathrin heavy chain 1	Non-raft	28	394/1675	19	18	7	7	26	25	40	33	1.21	0.192	0.721	H
	IPI00024067	CLTC	clathrin heavy chain 1	Raft	14	175/1675	10	6	4	2	14	8						
166	IPI00430813	CNBP	Isoform 2 of Cellular nucleic acid-binding protein	Non-raft	4	45/170	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
167	IPI00015262	CNN2	Calponin-2	Non-raft	2	35/309	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
168	IPI00166010	CNOT1	CCR4-NOT transcription complex, subunit 1 isoform a	Raft	6	64/2376	4	4	0	0	4	4	4	4	1.00	0.000	0.799	M
169	IPI00006552	CNOT7	CCR4-NOT transcription complex subunit 7	Raft	2	25/285	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
170	IPI00220993	CNP	Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	Non-raft	2	49/401	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
171	IPI00011284	COMT	Isoform Membrane-bound of Catechol O-methyltransferase	Non-raft	5	66/271	6	0	3	0	9	0	9	0	9.00	2.197	0.021	
172	IPI00295857	COPA	Coatomer subunit alpha	Non-raft	13	167/1224	3	5	7	2	10	7	10	7	1.43	0.357	0.645	M
173	IPI00295851	COPB1	Coatomer subunit beta	Non-raft	4	62/953	4	2	1	1	5	3	5	3	1.67	0.511	0.568	
174	IPI00220219	COPB2	Coatomer subunit beta'	Non-raft	6	64/906	3	5	1	1	4	6	4	6	0.67	-0.405	0.914	
175	IPI00001890	COPG	98 kDa protein	Non-raft	3	38/874	0	0	0	4	0	4	0	4	0.25	-1.386	0.996	
176	IPI00007058	CORO1B	Coronin-1B	Non-raft	4	65/489	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
177	IPI00008453	CORO1C	Coronin-1C	Non-raft	7	99/527	6	2	2	2	8	4	33	28	1.18	0.164	0.734	
	IPI00008453	CORO1C	Coronin-1C	Raft	20	254/527	18	17	7	7	25	24						
178	IPI00017510	COX2	Cytochrome c oxidase subunit 2	Non-raft	4	53/227	0	1	3	1	3	2	3	2	1.50	0.405	0.621	

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							1st		2nd									
							EXP	CON	EXP	CON								
179	IPI00027078	CPD	Carboxypeptidase D precursor	Non-raft	5	52/1380	4	0	1	0	5	0	5	0	5.00	1.609	0.103	H
180	IPI00026270	CPM	Carboxypeptidase M precursor	Raft	2	18/443	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
181	IPI00032038	CPT1A	Isoform 1 of Carnitine O-palmitoyltransferase I, liver isoform	Non-raft	3	39/773	3	1	1	0	4	1	4	1	4.00	1.386	0.165	M
182	IPI00016457	CRAT	Isoform 1 of Carnitine O-acetyltransferase	Non-raft	2	26/626	0	1	1	0	1	1	1	1	1.00	0.000	0.799	
183	IPI00025366	CS	Citrate synthase, mitochondrial precursor	Non-raft	2	27/466	0	1	0	1	0	2	0	0.50	-0.693	0.959		
184	IPI00219823	CSNK1G1	Isoform 1S of Casein kinase I isoform gamma-1	Raft	4	58/393	4	0	0	0	4	0	4	0	4.00	1.386	0.165	M
185	IPI00297767	CSNK1G2	Casein kinase I isoform gamma-2	Non-raft	2	30/415	0	0	2	0	2	0	6	0	6.00	1.792	0.067	
	IPI00297767	CSNK1G2	Casein kinase I isoform gamma-2	Raft	4	52/415	4	0	0	0	4	0						
186	IPI00181294	CSNK1G3	Isoform 1 of Casein kinase I isoform gamma-3	Raft	9	139/447	9	0	3	0	12	0	12	0	12.00	2.485	0.008	M
187	IPI00442073	CSRP1	Cysteine and glycine-rich protein 1	Non-raft	2	25/193	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
188	IPI00009633	CTDSP1	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	Non-raft	5	55/261	4	0	4	0	8	0	14	0	14.00	2.639	0.005	M
	IPI00009633	CTDSP1	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	Raft	4	46/261	4	0	2	0	6	0						
189	IPI00024826	CTDSPL	CTD small phosphatase-like protein	Non-raft	2	21/340	0	0	3	0	3	0	3	0	3.00	1.099	0.275	
190	IPI00215948	CTNNA1	Isoform 1 of Catenin alpha-1	Non-raft	7	105/906	5	2	0	0	5	2	10	3	3.33	1.204	0.231	
	IPI00215948	CTNNA1	Isoform 1 of Catenin alpha-1	Raft	5	81/906	5	1	0	0	5	1						
191	IPI00017292	CTNNB1	Isoform 1 of Catenin beta-1	Non-raft	6	65/781	6	2	0	0	6	2	6	2	3.00	1.099	0.275	
192	IPI00182469	CTNND1	Isoform 1AB of Catenin delta-1	Non-raft	28	388/963	35	1	24	1	59	2	68	2	34.00	3.526	0.000	
	IPI00182469	CTNND1	Isoform 1AB of Catenin delta-1	Raft	9	152/963	8	0	1	0	9	0						
193	IPI00019146	CXADR	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	Non-raft	14	207/365	23	0	16	0	39	0	41	0	41.00	3.714	0.000	
	IPI00019146	CXADR	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	Raft	2	25/365	2	0	0	0	2	0						
194	IPI00019994	CXorf15	Gamma-taxilin	Raft	2	20/528	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
195	IPI00303954	CYB5B	cytochrome b5 outer mitochondrial membrane precursor	Non-raft	4	70/150	3	0	2	0	5	0	5	0	5.00	1.609	0.103	
196	IPI00102928	CYB5D2	Cytochrome b5 domain containing 2	Non-raft	2	27/264	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
197	IPI00029264	CYC1	Cytochrome c1, heme protein, mitochondrial precursor	Non-raft	2	28/325	1	1	1	1	2	2	2	2	1.00	0.000	0.799	
198	IPI00644231	CYFIP1	cytoplasmic FMR1 interacting protein 1 isoform a	Non-raft	4	46/1253	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
199	IPI00337800	DAAM1	Isoform 1 of Disheveled-associated activator of morphogenesis 1	Non-raft	5	62/1078	4	0	2	0	6	0	6	0	6.00	1.792	0.067	M
200	IPI00385987	DAGLB	Isoform 1 of Sn1-specific diacylglycerol lipase beta	Non-raft	7	91/717	6	0	5	0	11	0	11	0	11.00	2.398	0.011	H
201	IPI00216951	DARS	Aspartyl-tRNA synthetase, cytoplasmic	Non-raft	7	97/501	4	4	1	1	5	5	5	5	1.00	0.000	0.799	
202	IPI00003406	DBN1	Drebrin	Raft	10	119/649	9	3	1	0	10	3	10	3	3.33	1.204	0.231	
203	IPI00027547	DCD	Dermcidin precursor	Non-raft	2	14/110	1	2	0	0	1	2	3	9	0.33	-1.099	0.988	
	IPI00027547	DCD	Dermcidin precursor	Raft	2	28/110	2	7	0	0	2	7						
204	IPI00300567	DCI	Isoform 1 of 3,2-trans-enoyl-CoA isomerase, mitochondrial precursor	Non-raft	4	41/302	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
205	IPI00217282	DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3	Non-raft	4	64/304	4	0	3	0	7	0	20	0	20.00	2.996	0.001	
	IPI00217282	DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3	Raft	9	127/304	7	0	6	0	13	0						
206	IPI00297084	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	Non-raft	11	149/456	11	9	7	1	18	10	22	12	1.83	0.606	0.519	
	IPI00297084	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	Raft	5	75/456	2	2	2	0	4	2						
207	IPI00293655	DDX1	ATP-dependent RNA helicase DDX1	Raft	4	69/740	4	4	0	0	4	4	4	4	1.00	0.000	0.799	
208	IPI00023785	DDX17	Isoform 1 of Probable ATP-dependent RNA helicase DDX17	Non-raft	8	96/729	6	4	2	1	8	5	18	17	1.06	0.057	0.777	
	IPI00023785	DDX17	Isoform 1 of Probable ATP-dependent RNA helicase DDX17	Raft	10	122/729	7	8	3	4	10	12						
209	IPI00215637	DDX3X	ATP-dependent RNA helicase DDX3X	Non-raft	6	83/662	5	1	4	2	9	3	13	7	1.86	0.619	0.512	
	IPI00215637	DDX3X	ATP-dependent RNA helicase DDX3X	Raft	4	52/662	3	3	1	1	4	4						
210	IPI00017617	DDX5	Probable ATP-dependent RNA helicase DDX5	Non-raft	4	49/614	3	2	0	1	3	3	7	12	0.58	-0.539	0.938	
	IPI00017617	DDX5	Probable ATP-dependent RNA helicase DDX5	Raft	6	68/614	2	5	2	4	4	9						

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
211	IPI00030320	DDX6	Probable ATP-dependent RNA helicase DDX6	Non-raft	2	26/483	1	0	2	0	3	0	6	1	6.00	1.792	0.067	
	IPI00030320	DDX6	Probable ATP-dependent RNA helicase DDX6	Raft	3	42/483	2	0	1	1	3	1						
212	IPI00003482	DECRI	2,4-dienoyl-CoA reductase, mitochondrial precursor	Raft	5	72/335	5	1	0	0	5	1	5	1	5.00	1.609	0.103	
213	IPI00382990	DERP12	DERP12	Non-raft	12	134/343	14	9	9	5	23	14	152	93	1.63	0.491	0.578	
	IPI00382990	DERP12	DERP12	Raft	28	286/343	74	55	55	24	129	79						
214	IPI00294501	DHCR7	7-dehydrocholesterol reductase	Non-raft	3	32/475	3	2	1	0	4	2	4	2	2.00	0.693	0.473	
215	IPI00396435	DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	Raft	7	86/795	8	6	1	1	9	7	9	7	1.29	0.251	0.695	
216	IPI00411733	DHX30	Putative ATP-dependent RNA helicase DHX30	Non-raft	2	19/1194	0	1	0	1	0	2	0	2	0.50	-0.693	0.959	
217	IPI00027415	DHX36	Isoform 1 of Probable ATP-dependent RNA helicase DHX36	Raft	3	39/1008	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
218	IPI00844578	DHX9	ATP-dependent RNA helicase A	Non-raft	10	110/1270	8	6	1	3	9	9	33	20	1.65	0.501	0.573	
	IPI00844578	DHX9	ATP-dependent RNA helicase A	Raft	18	250/1270	18	10	6	1	24	11						
219	IPI00003269	DKFZp686D0972	hypothetical protein LOC345651	Raft	6	67/376	6	4	0	0	6	4	6	4	1.50	0.405	0.621	
220	IPI00021338	DLAT	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial precursor	Non-raft	8	108/614	7	1	9	2	16	3	23	5	4.60	1.526	0.124	
	IPI00021338	DLAT	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial precursor	Raft	5	77/614	4	1	3	1	7	2						
221	IPI00015911	DLD	Dihydrolipoyl dehydrogenase, mitochondrial precursor	Non-raft	5	56/509	3	4	1	1	4	5	4	5	0.80	-0.223	0.871	
222	IPI00420108	DLST	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial precursor	Non-raft	7	94/453	8	10	3	3	11	13	32	25	1.28	0.247	0.697	
	IPI00420108	DLST	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial precursor	Raft	9	105/453	16	9	5	3	21	12						
223	IPI00012535	DNAJA1	DnaJ homolog subfamily A member 1	Non-raft	2	26/397	1	1	0	0	1	1	4	3	1.33	0.288	0.678	M
	IPI00012535	DNAJA1	DnaJ homolog subfamily A member 1	Raft	3	41/397	3	2	0	0	3	2						
224	IPI00032406	DNAJA2	DnaJ homolog subfamily A member 2	Raft	3	52/412	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
225	IPI00178504	DNAJB14	DnaJ	Raft	2	23/379	1	0	0	1	1	1	1	1	1.00	0.000	0.799	
226	IPI00023780	DNAJC5	Isoform 2 of DnaJ homolog subfamily C member 5	Non-raft	4	60/167	4	0	5	0	9	0	9	0	9.00	2.197	0.015	M
227	IPI00402231	DNAJC5	Isoform 1 of DnaJ homolog subfamily C member 5	Non-raft	4	74/198	6	0	4	0	10	0	10	0	10.00	2.303	0.021	
228	IPI00329629	DNAJC7	DnaJ homolog subfamily C member 7	Non-raft	2	23/494	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
229	IPI00031519	DNMT1	Isoform 1 of DNA	Raft	3	30/1678	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
230	IPI00007425	DSC1	desmocollin 1 isoform Dsc1b preproprotein	Non-raft	2	29/840	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
231	IPI00025753	DSG1	Desmoglein-1 precursor	Non-raft	6	116/1049	0	9	0	2	0	11	5	21	0.24	-1.435	0.997	
	IPI00025753	DSG1	Desmoglein-1 precursor	Raft	5	84/1049	5	10	0	0	5	10						
232	IPI00028931	DSG2	desmoglein 2 preproprotein	Non-raft	25	396/1118	36	2	30	1	66	3	218	10	21.80	3.082	0.001	M
	IPI00028931	DSG2	desmoglein 2 preproprotein	Raft	57	619/1118	84	6	68	1	152	7						
233	IPI00013933	DSP	Isoform DPI of Desmoplakin	Non-raft	11	136/2871	4	6	1	8	5	14	17	18	0.94	-0.057	0.819	
	IPI00013933	DSP	Isoform DPI of Desmoplakin	Raft	12	180/2871	11	4	1	0	12	4						
234	IPI00473014	DSTN	Destrin	Non-raft	3	23/165	2	3	1	1	3	4	3	4	0.75	-0.288	0.888	
235	IPI00299076	EBAG9	Receptor-binding cancer antigen expressed on SiSo cells (Fragment)	Non-raft	2	50/213	2	0	0	0	2	0	2	0	2.00	0.693	0.473	H
236	IPI00216760	ECE1	Isoform C of Endothelin-converting enzyme 1	Non-raft	20	300/754	23	0	16	0	39	0	39	0	39.00	3.664	0.000	
237	IPI00011416	ECH1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial precursor	Non-raft	6	72/328	4	1	2	2	6	3	6	3	2.00	0.693	0.473	
238	IPI00024993	ECHS1	Enoyl-CoA hydratase, mitochondrial precursor	Non-raft	2	35/290	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
239	IPI00376317	EDC4	autoantigen RCD8	Raft	4	62/1401	5	0	0	0	5	0	5	0	5.00	1.609	0.103	M
240	IPI00306046	EDIL3	Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor	Non-raft	10	134/480	11	4	4	1	15	5	18	7	2.57	0.944	0.346	

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
	IPI00306046	EDIL3	Isoform 1 of EGF-like repeat and discoidin 1-like domain-containing protein 3 precursor	Raft	3	40/480	2	2	1	0	3	2						
241	IPI00396485	EEF1A1	Elongation factor 1-alpha 1	Non-raft	18	275/462	21	14	26	5	47	19	67	30	2.23	0.803	0.416	
	IPI00396485	EEF1A1	Elongation factor 1-alpha 1	Raft	11	156/462	15	6	5	5	20	11						
242	IPI00014424	EEF1A2	Elongation factor 1-alpha 2	Non-raft	11	138/463	10	4	14	5	24	9	35	19	1.84	0.611	0.516	
	IPI00014424	EEF1A2	Elongation factor 1-alpha 2	Raft	8	124/463	5	6	6	4	11	10						
243	IPI00023048	EEF1D	Elongation factor 1-delta	Non-raft	2	28/281	1	0	1	0	2	0	12	4	3.00	1.099	0.275	M
	IPI00023048	EEF1D	Elongation factor 1-delta	Raft	6	64/281	6	3	4	1	10	4						
244	IPI00000875	EEF1G	Elongation factor 1-gamma	Non-raft	8	86/487	8	7	5	7	13	14	36	34	1.06	0.057	0.777	M
	IPI00000875	EEF1G	Elongation factor 1-gamma	Raft	17	211/487	14	15	9	5	23	20						
245	IPI00186290	EEF2	Elongation factor 2	Non-raft	28	355/858	34	22	19	12	53	34	56	36	1.56	0.442	0.603	M
	IPI00186290	EEF2	Elongation factor 2	Raft	5	64/858	3	2	0	0	3	2						
246	IPI00304661	EEPDI	hypothetical protein LOC80820	Raft	6	82/157	2	0	4	0	6	0	6	0	6.00	1.792	0.067	
247	IPI00470711	EFR3A	Hypothetical protein DKFZp781J0562	Non-raft	10	128/821	7	0	6	0	13	0	21	0	21.00	3.045	0.001	
	IPI00470711	EFR3A	Hypothetical protein DKFZp781J0562	Raft	7	81/821	3	0	5	0	8	0						
248	IPI00003519	EFTUD2	116 kDa U5 small nuclear ribonucleoprotein component	Raft	5	62/972	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
249	IPI00018274	EGFR	Isoform 1 of Epidermal growth factor receptor precursor	Non-raft	13	169/1210	5	11	4	3	9	14	9	14	0.64	-0.442	0.922	
250	IPI00012462	EIF2A	CDA02	Raft	6	99/609	5	5	0	0	5	5	5	5	1.00	0.000	0.799	
251	IPI00220349	EIF2C2	eukaryotic translation initiation factor 2C, 2	Raft	4	48/859	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
252	IPI00219678	EIF2S1	Eukaryotic translation initiation factor 2 subunit 1	Non-raft	4	48/315	2	4	0	2	2	6	9	12	0.75	-0.288	0.888	
	IPI00219678	EIF2S1	Eukaryotic translation initiation factor 2 subunit 1	Raft	8	116/315	6	5	1	1	7	6						
253	IPI00297982	EIF2S3	Eukaryotic translation initiation factor 2 subunit 3	Non-raft	7	99/472	8	3	1	3	9	6	29	20	1.45	0.372	0.638	
	IPI00297982	EIF2S3	Eukaryotic translation initiation factor 2 subunit 3	Raft	11	178/472	15	10	5	4	20	14						
254	IPI00396370	EIF3B	Isoform 1 of Eukaryotic translation initiation factor 3 subunit 9	Non-raft	3	37/814	2	2	0	0	2	2	3	3	1.00	0.000	0.799	
	IPI00396370	EIF3B	Isoform 1 of Eukaryotic translation initiation factor 3 subunit 9	Raft	2	23/814	1	1	0	0	1	1						
255	IPI00016910	EIF3C	Eukaryotic translation initiation factor 3 subunit 8	Non-raft	4	45/913	3	0	1	0	4	0	4	0	4.00	1.386	0.165	M
256	IPI00006181	EIF3D	Eukaryotic translation initiation factor 3 subunit 7	Non-raft	3	34/548	4	3	0	0	4	3	8	3	2.67	0.981	0.329	
	IPI00006181	EIF3D	Eukaryotic translation initiation factor 3 subunit 7	Raft	4	52/548	2	0	2	0	4	0						
257	IPI00465233	EIF3EIP	DJ1014D13.1 protein	Non-raft	3	37/607	3	1	1	1	4	2	4	2	2.00	0.693	0.473	M
258	IPI00654777	EIF3F	Eukaryotic translation initiation factor 3 subunit 5	Raft	2	30/372	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
259	IPI00290460	EIF3G	Eukaryotic translation initiation factor 3 subunit 4	Raft	2	25/320	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
260	IPI00647650	EIF3H	Eukaryotic translation initiation factor 3 subunit 3	Raft	3	50/366	3	1	2	0	5	1	5	1	5.00	1.609	0.103	
261	IPI00012795	EIF3I	Eukaryotic translation initiation factor 3 subunit 2	Non-raft	9	124/325	6	3	1	0	7	3	10	4	2.50	0.916	0.360	
	IPI00012795	EIF3I	Eukaryotic translation initiation factor 3 subunit 2	Raft	3	33/325	3	1	0	0	3	1						
262	IPI00033143	EIF3K	Eukaryotic translation initiation factor 3 subunit 12	Non-raft	2	28/218	1	0	1	0	2	0	8	1	8.00	2.079	0.030	
	IPI00033143	EIF3K	Eukaryotic translation initiation factor 3 subunit 12	Raft	4	43/218	5	1	1	0	6	1						
263	IPI00025491	EIF4A1	Eukaryotic initiation factor 4A-1	Non-raft	7	104/406	11	4	4	1	15	5	20	8	2.50	0.916	0.360	
	IPI00025491	EIF4A1	Eukaryotic initiation factor 4A-1	Raft	4	47/406	3	3	2	0	5	3						
264	IPI00009328	EIF4A3	Probable ATP-dependent RNA helicase DDX48	Raft	4	51/411	3	1	0	0	3	1	3	1	3.00	1.099	0.275	M
265	IPI00220365	EIF4G1	EIF4G1 variant protein (Fragment)	Non-raft	3	33/798	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
266	IPI00022648	EIF5	Eukaryotic translation initiation factor 5	Non-raft	4	35/431	3	0	2	0	5	0	5	0	5.00	1.609	0.103	
267	IPI00006935	EIF5A2	Eukaryotic translation initiation factor 5A-2	Raft	2	19/153	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
268	IPI00010105	EIF6	Eukaryotic translation initiation factor 6	Non-raft	2	32/245	2	0	0	0	2	0	5	1	5.00	1.609	0.103	
	IPI00010105	EIF6	Eukaryotic translation initiation factor 6	Raft	3	67/245	3	1	0	0	3	1						
269	IPI00301936	ELAVL1	ELAV-like protein 1	Non-raft	3	33/353	3	2	0	1	3	3	11	8	1.38	0.318	0.664	
	IPI00301936	ELAVL1	ELAV-like protein 1	Raft	8	94/353	6	5	2	0	8	5						
270	IPI00010187	ELOVL1	Elongation of very long chain fatty acids protein 1	Non-raft	2	25/279	7	1	3	0	10	1	10	1	10.00	2.303	0.015	
271	IPI00465248	ENO1	enolase 1	Non-raft	17	249/434	15	15	7	5	22	20	23	21	1.10	0.091	0.764	



No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
	IPI00465248	ENO1	enolase 1	Raft	2	23/434	1	1	0	0	1	1						
272	IPI00218474	ENO3	Beta-enolase	Non-raft	4	81/434	6	3	1	0	7	3	7	3	2.33	0.847	0.394	
273	IPI00015973	EPB41L2	Band 4.1-like protein 2	Non-raft	2	27/1005	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
274	IPI00021267	EPHA2	Ephrin type-A receptor 2 precursor	Non-raft	13	141/976	9	8	2	3	11	11	13	12	1.08	0.080	0.768	
	IPI00021267	EPHA2	Ephrin type-A receptor 2 precursor	Raft	2	18/976	2	1	0	0	2	1						
275	IPI00186826	EPHB4	Receptor protein tyrosine kinase variant EphB4v1	Non-raft	3	30/935	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
276	IPI00013452	EPRS	glutamyl-prolyl tRNA synthetase	Non-raft	8	106/1512	6	3	0	0	6	3	7	4	1.75	0.560	0.543	
	IPI00013452	EPRS	glutamyl-prolyl tRNA synthetase	Raft	2	22/1512	1	1	0	0	1	1						
277	IPI00438286	ERBB2IP	Isoform 1 of Protein LAP2	Non-raft	31	467/1412	42	0	31	0	73	0	93	0	93.00	4.533	0.000	
	IPI00438286	ERBB2IP	Isoform 1 of Protein LAP2	Raft	12	165/1412	14	0	6	0	20	0						
278	IPI00006438	ERGIC3	Isoform 1 of Endoplasmic reticulum-Golgi intermediate compartment protein 3	Non-raft	3	28/383	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
279	IPI00026942	ERLIN2	Isoform 1 of SPFH domain-containing protein 2 precursor	Non-raft	2	23/339	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
280	IPI00386755	ERO1L	ERO1-like protein alpha precursor	Non-raft	8	114/468	2	6	2	2	4	8	4	8	0.50	-0.693	0.959	
281	IPI00024911	ERP29	Endoplasmic reticulum protein ERP29 precursor	Non-raft	3	32/261	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
282	IPI00429191	ETF1	Eukaryotic peptide chain release factor subunit 1	Non-raft	2	23/437	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
283	IPI00010810	ETFA	Electron transfer flavoprotein subunit alpha, mitochondrial precursor	Non-raft	3	47/333	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
284	IPI00015905	EXOSC2	Exosome complex exonuclease RRP4	Raft	2	22/293	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
285	IPI00218310	EXOSC4	Exosome complex exonuclease RRP41	Raft	2	22/245	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
286	IPI00073602	EXOSC6	homolog of yeast mRNA transport regulator 3	Raft	2	27/272	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
287	IPI00479359	EZR	villin 2	Non-raft	2	29/585	0	1	2	0	2	1	2	1	2.00	0.693	0.473	
288	IPI00001754	F11R	Junctional adhesion molecule A precursor	Non-raft	4	58/299	3	4	0	0	3	4	3	4	0.75	-0.288	0.888	
289	IPI00010338	F3	Tissue factor precursor	Non-raft	6	75/295	5	0	3	0	8	0	8	0	8.00	2.079	0.030	
290	IPI00412592	FAM108B1	chromosome 9 open reading frame 77 isoform 2	Non-raft	8	144/288	8	0	3	0	11	0	14	0	14.00	2.639	0.005	
	IPI00412592	FAM108B1	chromosome 9 open reading frame 77 isoform 2	Raft	2	26/288	2	0	1	0	3	0						
291	IPI00747290	FAM108C1	Isoform 2 of abhydrolase domain-containing protein FAM108C1	Non-raft	2	22/295	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
292	IPI00039626	FAM120A	Isoform D of UPF0318 protein FAM120A	Raft	4	60/1072	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
293	IPI00456750	FAM129B	Niban-like protein	Non-raft	2	24/733	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
294	IPI00021923	FAM3C	Protein FAM3C precursor	Non-raft	2	22/227	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
295	IPI00303318	FAM49B	Protein FAM49B	Non-raft	20	241/324	31	0	19	0	50	0	52	0	52.00	3.951	0.000	
	IPI00303318	FAM49B	Protein FAM49B	Raft	2	37/324	2	0	0	0	2	0						
296	IPI00022143	FAM62A	Isoform 1 of Protein FAM62A	Non-raft	11	163/1104	6	5	4	4	10	9	10	9	1.11	0.105	0.758	
297	IPI00300074	FARSB	Phenylalanyl-tRNA synthetase beta chain	Non-raft	8	92/589	3	4	4	3	7	7	18	16	1.13	0.118	0.753	
	IPI00300074	FARSB	Phenylalanyl-tRNA synthetase beta chain	Raft	10	110/589	8	4	3	5	11	9						
298	IPI00026781	FASN	Fatty acid synthase	Non-raft	41	545/2511	31	8	20	3	51	11	54	11	4.91	1.591	0.108	
	IPI00026781	FASN	Fatty acid synthase	Raft	3	32/2511	3	0	0	0	3	0						
299	IPI00174757	FBXL20	F-box/LRR-repeat protein 20	Non-raft	5	53/436	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
300	IPI00021048	FER1L3	Isoform 1 of Myoferlin	Non-raft	91	956/2061	94	32	66	13	160	45	191	48	3.98	1.381	0.167	
	IPI00021048	FER1L3	Isoform 1 of Myoferlin	Raft	21	275/2061	22	3	9	0	31	3						
301	IPI00000856	FERMT2	Isoform 1 of Pleckstrin homology domain-containing family C member 1	Non-raft	3	42/680	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
302	IPI00328161	FKBP8	FK506-binding protein 8	Non-raft	5	87/413	1	2	2	3	3	5	3	5	0.60	-0.511	0.934	
303	IPI00013281	FKRP	Fukutin-related protein	Non-raft	2	25/495	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
304	IPI00397801	FLG2	Ifapsoriasis	Non-raft	2	23/2391	1	2	0	0	1	2	4	4	1.00	0.000	0.799	
	IPI00397801	FLG2	Ifapsoriasis	Raft	2	23/2391	3	2	0	0	3	2						
305	IPI00301987	FLJ20323	hypothetical protein FLJ20323	Raft	5	73/875	5	1	0	0	5	1	5	1	5.00	1.609	0.103	
306	IPI00302592	FLNA	filamin 1	Non-raft	79	1117/2639	53	63	21	26	74	89	99	111	0.89	-0.114	0.838	

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							1st		2nd									
							EXP	CON	EXP	CON								
	IPI00302592	FLNA	filamin 1	Raft	29	452/2639	25	21	0	1	25	22						
307	IPI00477536	FLNB	Filamin B	Non-raft	83	1102/2591	54	68	23	22	77	90	93	104	0.89	-0.112	0.837	M
	IPI00477536	FLNB	Filamin B	Raft	23	312/2591	16	14	0	0	16	14						
308	IPI00178352	FLNC	Isoform 1 of Filamin-C	Non-raft	23	276/2725	11	13	3	1	14	14	18	15	1.20	0.182	0.726	
	IPI00178352	FLNC	Isoform 1 of Filamin-C	Raft	4	52/2725	4	1	0	0	4	1						
309	IPI00027438	FLOT1	Flotillin-1	Non-raft	25	303/427	27	1	24	0	51	1	152	7	21.71	3.078	0.001	H
	IPI00027438	FLOT1	Flotillin-1	Raft	33	351/427	52	4	49	2	101	6						
310	IPI00029625	FLOT2	Flotillin-2	Non-raft	24	260/428	34	1	30	0	64	1	176	6	29.33	3.379	0.000	H
	IPI00029625	FLOT2	Flotillin-2	Raft	33	404/428	60	5	52	0	112	5						
311	IPI00217490	FNDC3B	Factor for adipocyte differentiation 104 variant	Non-raft	2	23/1204	0	2	0	1	0	3	3	6	0.50	-0.693	0.959	
	IPI00217490	FNDC3B	Factor for adipocyte differentiation 104 variant	Raft	5	73/1204	3	3	0	0	3	3						
312	IPI00163187	FSCN1	Fascin	Non-raft	8	116/493	8	3	2	1	10	4	10	4	2.50	0.916	0.360	
313	IPI00016249	FXR1	Isoform 1 of Fragile X mental retardation syndrome-related protein 1	Raft	6	76/621	5	4	0	1	5	5	5	5	1.00	0.000	0.799	
314	IPI00016250	FXR2	Fragile X mental retardation syndrome-related protein 2	Raft	3	43/698	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
315	IPI00020228	FZD6	Frizzled-6 precursor	Non-raft	3	28/706	3	0	3	0	6	0	6	0	6.00	1.792	0.067	
316	IPI00012442	G3BP1	Ras-GTPase-activating protein-binding protein 1	Raft	7	102/466	4	5	0	0	4	5	4	5	0.80	-0.223	0.871	
317	IPI00216008	G6PD	Isoform Long of Glucose-6-phosphate 1-dehydrogenase	Non-raft	4	43/561	2	3	1	1	3	4	3	4	0.75	-0.288	0.888	
318	IPI00004669	GALNT2	Polypeptide N-acetylgalactosaminyltransferase 2	Non-raft	5	62/571	4	1	0	1	4	2	4	2	2.00	0.693	0.473	
319	IPI00011454	GANAB	Isoform 2 of Neutral alpha-glucosidase AB precursor	Non-raft	14	216/966	12	7	3	1	15	8	15	8	1.88	0.629	0.507	
320	IPI00219018	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	Non-raft	29	361/335	143	62	101	43	244	105	271	113	2.40	0.875	0.380	
	IPI00219018	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	Raft	12	160/335	15	5	12	3	27	8						
321	IPI00465260	GARS	GARS protein	Non-raft	9	158/739	5	4	3	2	8	6	8	6	1.33	0.288	0.678	
322	IPI00025273	GART	Isoform Long of Trifunctional purine biosynthetic protein adenosine-3	Non-raft	2	27/1010	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
323	IPI00021807	GBA	Isoform Long of Glucosylceramidase precursor	Non-raft	4	58/536	2	1	2	1	4	2	4	2	2.00	0.693	0.473	
324	IPI00001159	GCN1L1	GCN1-like protein 1	Non-raft	8	94/2671	4	6	2	1	6	7	6	7	0.86	-0.154	0.851	
325	IPI00031461	GDI2	Rab GDP dissociation inhibitor beta	Non-raft	3	42/449	1	3	0	0	1	3	1	3	0.33	-1.099	0.988	
326	IPI00154473	GFM1	84 kDa protein	Non-raft	4	39/751	2	2	1	0	3	2	3	2	1.50	0.405	0.621	
327	IPI00217952	GFPT1	Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	Non-raft	10	140/699	7	0	6	0	13	0	13	0	13.00	2.565	0.006	
328	IPI00414717	GLG1	golgi apparatus protein 1	Non-raft	9	97/1203	5	2	3	4	8	6	8	6	1.33	0.288	0.678	M
329	IPI00215687	GLS	Isoform GAC of Glutaminase kidney isoform, mitochondrial precursor	Non-raft	12	194/598	12	9	15	11	27	20	27	20	1.35	0.300	0.672	
330	IPI00289159	GLS	Isoform KGA of Glutaminase kidney isoform, mitochondrial precursor	Non-raft	13	171/669	11	9	14	10	25	19	25	19	1.32	0.274	0.684	
331	IPI00168262	GLT25D1	CDNA PSEC0241 fis, clone NT2RP3000234, moderately similar to Homo sapiens cerebral cell adhesion molecule mRNA	Non-raft	2	18/622	1	1	1	0	2	1	3	3	1.00	0.000	0.799	
	IPI00168262	GLT25D1	CDNA PSEC0241 fis, clone NT2RP3000234, moderately similar to Homo sapiens cerebral cell adhesion molecule mRNA	Raft	2	18/622	1	2	0	0	1	2						
332	IPI00016801	GLUD1	Glutamate dehydrogenase 1, mitochondrial precursor	Raft	9	110/558	9	11	7	5	16	16	16	16	1.00	0.000	0.799	
333	IPI00305551	GNA11	Guanine nucleotide-binding protein subunit alpha-11	Non-raft	24	278/359	36	1	20	1	56	2	77	2	38.50	3.651	0.000	H
	IPI00305551	GNA11	Guanine nucleotide-binding protein subunit alpha-11	Raft	13	155/359	11	0	10	0	21	0						
334	IPI00328744	GNA12	Guanine nucleotide-binding protein alpha-12 subunit	Non-raft	6	71/381	9	0	8	0	17	0	17	0	17.00	2.833	0.002	
335	IPI00290928	GNA13	Guanine nucleotide-binding protein alpha-13 subunit	Non-raft	17	194/377	26	1	19	1	45	2	53	2	26.50	3.277	0.000	H
	IPI00290928	GNA13	Guanine nucleotide-binding protein alpha-13 subunit	Raft	7	102/377	5	0	3	0	8	0						
336	IPI00337415	GNAI1	Guanine nucleotide-binding protein G(i), alpha-1 subunit	Non-raft	14	161/354	13	0	11	2	24	2	46	2	23.00	3.135	0.001	
	IPI00337415	GNAI1	Guanine nucleotide-binding protein G(i), alpha-1 subunit	Raft	12	134/354	10	0	12	0	22	0						

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							1st		2nd									
							EXP	CON	EXP	CON								
337	IPI00748145	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	Non-raft	23	248/355	40	5	22	5	62	10	108	12	9.00	2.197	0.021	H
	IPI00748145	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	Raft	20	230/355	18	1	28	1	46	2						
338	IPI00220578	GNAI3	Guanine nucleotide-binding protein G(k) subunit alpha	Non-raft	19	234/354	32	4	25	6	57	10	92	11	8.36	2.124	0.026	H
	IPI00220578	GNAI3	Guanine nucleotide-binding protein G(k) subunit alpha	Raft	16	206/354	14	0	21	1	35	1						
339	IPI00220281	GNAO1	Guanine nucleotide-binding protein G(o) subunit alpha 1	Non-raft	5	52/354	6	0	0	0	6	0	6	0	6.00	1.792	0.067	H
340	IPI00288947	GNAQ	Guanine nucleotide binding protein	Non-raft	19	262/359	22	0	21	1	43	1	68	1	68.00	4.220	0.000	H
	IPI00288947	GNAQ	Guanine nucleotide binding protein	Raft	13	212/359	13	0	12	0	25	0						
341	IPI00219835	GNAS	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	Non-raft	19	236/380	34	6	17	1	51	7	89	7	12.71	2.543	0.007	H
	IPI00219835	GNAS	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	Raft	22	256/380	18	0	20	0	38	0						
342	IPI00514055	GNAS	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	Non-raft	18	229/394	30	6	19	1	49	7	89	7	12.71	2.543	0.007	H
	IPI00514055	GNAS	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	Raft	22	261/394	18	0	22	0	40	0						
343	IPI00644936	GNAS	Guanine nucleotide-binding protein G-s-alpha-3	Raft	22	258/379	17	0	20	0	37	0	37	0	37.00	3.611	0.000	H
344	IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	Non-raft	9	145/340	11	9	1	3	12	12	17	15	1.13	0.125	0.750	
	IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	Raft	6	74/340	4	2	1	1	5	3						
345	IPI00003348	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 2	Non-raft	8	95/340	5	6	2	4	7	10	13	11	1.18	0.167	0.732	
	IPI00003348	GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 2	Raft	6	74/340	4	1	2	0	6	1						
346	IPI00641950	GNB2L1	Lung cancer oncogene 7	Non-raft	9	102/347	4	6	7	4	11	10	74	49	1.51	0.412	0.618	
	IPI00641950	GNB2L1	Lung cancer oncogene 7	Raft	20	243/347	38	25	25	14	63	39						
347	IPI00012451	GNB4	Guanine nucleotide-binding protein subunit beta 4	Non-raft	5	60/340	4	5	0	0	4	5	4	5	0.80	-0.223	0.871	
348	IPI00005677	GNPAT	Dihydroxyacetone phosphate acyltransferase	Non-raft	2	22/680	2	1	1	0	3	1	3	1	3.00	1.099	0.275	M
349	IPI00480022	GOLGA7	Isoform 1 of Golgin subfamily A member 7	Non-raft	8	98/137	8	0	6	0	14	0	29	1	29.00	3.367	0.000	H
	IPI00480022	GOLGA7	Isoform 1 of Golgin subfamily A member 7	Raft	10	108/137	10	1	5	0	15	1						
350	IPI00004962	GOLIM4	golgi phosphoprotein 4	Non-raft	9	116/696	9	0	4	0	13	0	13	0	13.00	2.565	0.006	
351	IPI00018206	GOT2	Aspartate aminotransferase, mitochondrial precursor	Non-raft	11	142/430	5	6	4	4	9	10	9	10	0.90	-0.105	0.835	
352	IPI00027497	GPI	Glucose-6-phosphate isomerase	Non-raft	3	43/558	7	1	2	0	9	1	9	1	9.00	2.197	0.021	
353	IPI00217481	GPR126	Developmentally regulated G-protein-coupled receptor beta 1	Non-raft	7	97/1250	6	0	5	0	11	0	15	0	15.00	2.708	0.003	
	IPI00217481	GPR126	Developmentally regulated G-protein-coupled receptor beta 1	Raft	4	53/1250	2	0	2	0	4	0						
354	IPI00022624	GPRC5A	Retinoic acid-induced protein 3	Non-raft	7	95/357	17	1	13	0	30	1	76	3	25.33	3.232	0.000	
	IPI00022624	GPRC5A	Retinoic acid-induced protein 3	Raft	10	135/357	31	2	15	0	46	2						
355	IPI00099883	GPRC5C	G-protein coupled receptor family C group 5 member C precursor	Raft	6	51/441	9	0	0	0	9	0	9	0	9.00	2.197	0.021	
356	IPI00332155	GPRIN1	Isoform 1 of G protein-regulated inducer of neurite outgrowth 1	Non-raft	2	30/1008	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
357	IPI00027831	GRWD1	Glutamate-rich WD repeat-containing protein 1	Raft	2	30/446	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
358	IPI00016862	GSR	Isoform Mitochondrial of Glutathione reductase, mitochondrial precursor	Non-raft	3	43/522	2	2	1	0	3	2	3	2	1.50	0.405	0.621	
359	IPI00031522	HADHA	Trifunctional enzyme subunit alpha, mitochondrial precursor	Non-raft	17	230/763	13	11	8	4	21	15	33	23	1.43	0.361	0.643	H
	IPI00031522	HADHA	Trifunctional enzyme subunit alpha, mitochondrial precursor	Raft	12	154/763	9	7	3	1	12	8						
360	IPI00022793	HADHB	Trifunctional enzyme beta subunit, mitochondrial precursor	Non-raft	2	18/474	2	1	1	0	3	1	5	1	5.00	1.609	0.103	H
	IPI00022793	HADHB	Trifunctional enzyme beta subunit, mitochondrial precursor	Raft	2	18/474	2	0	0	0	2	0						

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							1st		2nd									
							EXP	CON	EXP	CON								
361	IPI00654755	HBB	Hemoglobin subunit beta	Non-raft	2	23/147	0	0	0	3	0	3	1	5	0.20	-1.609	0.998	
	IPI00654755	HBB	Hemoglobin subunit beta	Raft	2	22/147	1	1	0	1	1	2						
362	IPI00176692	hCG_2023776	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1	Non-raft	3	59/281	2	1	2	0	4	1	8	3	2.67	0.981	0.329	
	IPI00176692	hCG_2023776	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1	Raft	5	73/281	4	2	0	0	4	2						
363	IPI00022228	HDLBP	Vigilin	Raft	5	70/1268	2	4	0	0	2	4	2	4	0.50	-0.693	0.959	
364	IPI00453473	HIST1H4A	Histone H4	Non-raft	2	20/103	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
365	IPI00018246	HK1	Isoform 1 of Hexokinase-1	Non-raft	7	91/917	2	3	3	4	5	7	5	7	0.71	-0.336	0.899	
366	IPI00743503	HLA-A	HLA class I histocompatibility antigen, A-34 alpha chain precursor	Non-raft	11	162/365	33	16	32	6	65	22	65	22	2.95	1.083	0.282	H
367	IPI00471955	HLA-B	HLA class I histocompatibility antigen, B-50 alpha chain precursor	Non-raft	16	262/362	54	13	55	7	109	20	131	23	5.70	1.740	0.076	H
	IPI00471955	HLA-B	HLA class I histocompatibility antigen, B-50 alpha chain precursor	Raft	8	101/362	11	3	11	0	22	3						
368	IPI00473131	HLA-C	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	Non-raft	18	241/366	44	17	43	8	87	25	111	28	3.96	1.377	0.168	H
	IPI00473131	HLA-C	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	Raft	11	154/366	13	3	11	0	24	3						
369	IPI00008475	HMGCS1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	Non-raft	8	134/520	9	0	4	0	13	0	13	0	13.00	2.565	0.006	
370	IPI00026824	HMOX2	Heme oxygenase 2	Non-raft	7	118/370	4	4	4	0	8	4	8	4	2.00	0.693	0.473	H
371	IPI00011913	HNRNPA0	Heterogeneous nuclear ribonucleoprotein A0	Raft	2	33/305	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
372	IPI00215965	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 isoform b	Non-raft	4	77/372	3	2	2	0	5	2	15	7	2.14	0.762	0.438	
	IPI00215965	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 isoform b	Raft	7	102/372	9	5	1	0	10	5						
373	IPI00396378	HNRNPA2B1	Isoform B1 of Heterogeneous nuclear ribonucleoproteins A2/B1	Raft	3	34/353	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
374	IPI00027834	HNRNPL	heterogeneous nuclear ribonucleoprotein L isoform a	Raft	9	190/589	8	6	1	2	9	8	9	8	1.13	0.118	0.753	M
375	IPI00012074	HNRNPR	Heterogeneous nuclear ribonucleoprotein R	Raft	3	33/633	3	5	0	0	3	5	3	5	0.60	-0.511	0.934	
376	IPI00479217	HNRNPU	heterogeneous nuclear ribonucleoprotein U isoform b	Non-raft	6	59/806	4	3	0	1	4	4	4	4	1.00	0.000	0.799	
377	IPI00419373	HNRPA3	Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	Raft	4	71/378	4	1	1	0	5	1	5	1	5.00	1.609	0.103	
378	IPI00028888	HNRPD	Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	Raft	2	24/355	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
379	IPI00003881	HNRPF	heterogeneous nuclear ribonucleoprotein F	Non-raft	2	34/415	1	1	2	0	3	1	3	1	3.00	1.099	0.275	
380	IPI00013881	HNRPH1	heterogeneous nuclear ribonucleoprotein H1	Non-raft	2	34/449	0	1	1	1	1	2	4	3	1.33	0.288	0.678	
	IPI00013881	HNRPH1	heterogeneous nuclear ribonucleoprotein H1	Raft	2	33/449	2	1	1	0	3	1						
381	IPI00216049	HNRPK	Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	Non-raft	10	127/463	6	4	4	3	10	7	17	12	1.42	0.348	0.649	
	IPI00216049	HNRPK	Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	Raft	8	121/463	5	3	2	2	7	5						
382	IPI00171903	HNRPM	heterogeneous nuclear ribonucleoprotein M isoform a	Non-raft	5	70/730	3	2	2	1	5	3	20	6	3.33	1.204	0.231	
	IPI00171903	HNRPM	heterogeneous nuclear ribonucleoprotein M isoform a	Raft	13	146/730	13	1	2	2	15	3						
383	IPI00000006	HRAS	GTPase HRas precursor	Non-raft	9	85/189	9	0	13	1	22	1	22	1	22.00	3.091	0.001	H
384	IPI00398625	HRNR	Hornerin	Non-raft	4	66/2850	4	2	0	0	4	2	19	9	2.11	0.747	0.445	
	IPI00398625	HRNR	Hornerin	Raft	11	196/2850	15	7	0	0	15	7						
385	IPI00017726	HSD17B10	hydroxyacyl-Coenzyme A dehydrogenase, type II isoform 1	Non-raft	5	88/261	5	0	3	0	8	0	8	0	8.00	2.079	0.030	M
386	IPI00019912	HSD17B4	Peroxisomal multifunctional enzyme type 2	Non-raft	11	147/736	8	5	4	1	12	6	12	6	2.00	0.693	0.473	
387	IPI00382470	HSP90AA1	Heat shock protein HSP 90-alpha 2	Non-raft	14	163/854	15	15	8	6	23	21	30	31	0.97	-0.033	0.811	
	IPI00382470	HSP90AA1	Heat shock protein HSP 90-alpha 2	Raft	9	118/854	7	10	0	0	7	10						
388	IPI00414676	HSP90AB1	Heat shock protein HSP 90-beta	Non-raft	24	284/724	23	24	10	9	33	33	37	38	0.97	-0.027	0.809	
	IPI00414676	HSP90AB1	Heat shock protein HSP 90-beta	Raft	7	88/724	4	5	0	0	4	5						
389	IPI00555915	HSP90AB6P	Heat shock protein 90Bf	Non-raft	2	20/361	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
390	IPI00027230	HSP90B1	Endoplasmic precursor	Non-raft	17	204/803	14	11	6	4	20	15	20	15	1.33	0.288	0.678	

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							1st		2nd									
							EXP	CON	EXP	CON								
391	IPI00304925	HSPA1A	Heat shock 70 kDa protein 1	Non-raft	8	96/641	4	6	3	4	7	10	10	10	1.00	0.000	0.799	H
	IPI00304925	HSPA1A	Heat shock 70 kDa protein 1	Raft	3	40/641	0	0	3	0	3	0						
392	IPI00301277	HSPA1L	Heat shock 70 kDa protein 1L	Non-raft	7	87/641	4	5	3	3	7	8	8	9	0.89	-0.118	0.839	
	IPI00301277	HSPA1L	Heat shock 70 kDa protein 1L	Raft	2	31/641	1	1	0	0	1	1						
393	IPI00002966	HSPA4	Heat shock 70 kDa protein 4	Non-raft	8	101/840	7	4	1	1	8	5	8	5	1.60	0.470	0.589	
394	IPI00003362	HSPA5	Hypothetical protein	Non-raft	29	309/655	35	36	21	20	56	56	69	66	1.05	0.044	0.782	
	IPI00003362	HSPA5	Hypothetical protein	Raft	11	141/655	7	6	6	4	13	10						
395	IPI00003865	HSPA8	Isoform 1 of Heat shock cognate 71 kDa protein	Non-raft	19	235/646	21	13	10	6	31	19	41	24	1.71	0.536	0.555	
	IPI00003865	HSPA8	Isoform 1 of Heat shock cognate 71 kDa protein	Raft	13	167/646	4	3	6	2	10	5						
396	IPI00007765	HSPA9	Stress-70 protein, mitochondrial precursor	Non-raft	19	275/679	16	25	8	13	24	38	38	52	0.73	-0.314	0.894	
	IPI00007765	HSPA9	Stress-70 protein, mitochondrial precursor	Raft	15	197/679	8	10	6	4	14	14						
397	IPI00472102	HSPD1	Heat shock protein 60	Non-raft	23	264/573	30	16	17	8	47	24	47	24	1.96	0.672	0.484	
398	IPI00024284	HSPG2	Basement membrane-specific heparan sulfate proteoglycan core protein precursor	Raft	4	50/4391	0	4	0	0	0	4	0	4	0.25	-1.386	0.996	
399	IPI00218993	HSPH1	Isoform Beta of Heat-shock protein 105 kDa	Non-raft	5	65/814	4	2	0	1	4	3	4	3	1.33	0.288	0.678	
400	IPI00013234	IARS	IARS protein	Non-raft	4	43/1266	3	1	0	0	3	1	3	1	3.00	1.099	0.275	M
401	IPI00008494	ICAM1	Intercellular adhesion molecule 1 precursor	Non-raft	11	117/532	9	8	1	3	10	11	10	11	0.91	-0.095	0.832	
402	IPI00030702	IDH3A	Isoform 1 of Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial precursor	Non-raft	2	18/366	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
403	IPI00289819	IGF2R	Cation-independent mannose-6-phosphate receptor precursor	Non-raft	11	135/2491	7	6	4	1	11	7	21	7	3.00	1.099	0.275	H
	IPI00289819	IGF2R	Cation-independent mannose-6-phosphate receptor precursor	Raft	10	108/2491	10	0	0	0	10	0						
404	IPI00056478	IGSF8	Isoform 1 of Immunoglobulin superfamily member 8 precursor	Non-raft	3	40/613	1	0	3	0	4	0	4	0	4.00	1.386	0.165	H
405	IPI00788962	IL10RB	Protein	Non-raft	2	23/292	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
406	IPI00006774	IL27RA	Interleukin-27 receptor subunit alpha	Non-raft	2	37/725	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
407	IPI00297124	IL6ST	Isoform 1 of Interleukin-6 receptor beta chain precursor	Non-raft	2	27/918	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
408	IPI00005198	ILF2	Interleukin enhancer-binding factor 2	Non-raft	2	24/390	1	1	0	0	1	1	6	4	1.50	0.405	0.621	M
	IPI00005198	ILF2	Interleukin enhancer-binding factor 2	Raft	4	56/390	2	2	3	1	5	3						
409	IPI00219330	ILF3	Isoform 5 of Interleukin enhancer-binding factor 3	Non-raft	3	39/690	2	0	1	0	3	0	9	6	1.50	0.405	0.621	
	IPI00219330	ILF3	Isoform 5 of Interleukin enhancer-binding factor 3	Raft	8	92/690	6	6	0	0	6	6						
410	IPI00554541	ILVBL	ilvB (bacterial acetolactate synthase)-like isoform 1	Non-raft	3	49/632	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
411	IPI00291510	IMPDH2	Inosine-5'-monophosphate dehydrogenase 2	Non-raft	2	31/514	1	0	1	0	2	0	6	4	1.50	0.405		M
	IPI00291510	IMPDH2	Inosine-5'-monophosphate dehydrogenase 2	Raft	6	92/514	2	4	2	0	4	4						
412	IPI00032262	INPP5A	Type I inositol-1,4,5-trisphosphate 5-phosphatase	Raft	2	19/412	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
413	IPI00009342	IQGAP1	Ras GTPase-activating-like protein IQGAP1	Non-raft	4	50/1657	1	4	0	1	1	5	1	5	0.20	-1.609	0.998	M
414	IPI00013744	ITGA2	Integrin alpha-2 precursor	Non-raft	10	133/1181	7	4	3	2	10	6	10	6	1.67	0.511	0.568	
415	IPI00215995	ITGA3	Isoform Alpha-3A of Integrin alpha-3 precursor	Non-raft	14	166/1051	15	7	16	2	31	9	34	9	3.78	1.329	0.185	
	IPI00215995	ITGA3	Isoform Alpha-3A of Integrin alpha-3 precursor	Raft	7	40/1051	2	0	1	0	3	0						
416	IPI00306604	ITGA5	Integrin alpha-5 precursor	Non-raft	3	42/1049	1	2	0	1	1	3	1	3	0.33	-1.099	0.988	
417	IPI00010697	ITGA6	Isoform Alpha-6X1X2B of Integrin alpha-6 precursor	Non-raft	3	38/1130	2	0	3	0	5	0	5	0	5.00	1.609	0.103	
418	IPI00027505	ITGAV	Integrin alpha-V precursor	Non-raft	3	33/1048	1	2	0	1	1	3	1	3	0.33	-1.099	0.988	
419	IPI00217561	ITGB1	Isoform Beta-1C of Integrin beta-1 precursor	Raft	4	59/825	0	4	0	2	0	6	0	6	0.17	-1.792	0.941	
420	IPI00645194	ITGB1	integrin beta 1 isoform 1A precursor	Non-raft	25	276/798	22	46	17	22	39	68	39	68	0.57	-0.556	0.999	
421	IPI00027422	ITGB4	Isoform Beta-4C of Integrin beta-4 precursor	Non-raft	14	158/1822	10	1	7	0	17	1	17	1	17.00	2.833	0.002	
422	IPI00031821	ITM2B	Integral membrane protein 2B	Raft	3	48/266	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
423	IPI00016014	ITM2C	Isoform 1 of Integral membrane protein 2C	Non-raft	5	68/267	4	0	3	0	7	0	14	0	14.00	2.639	0.005	
	IPI00016014	ITM2C	Isoform 1 of Integral membrane protein 2C	Raft	7	97/267	6	0	1	0	7	0						
424	IPI00011916	JTV1	Multisynthetase complex auxiliary component p38	Non-raft	2	21/320	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
425	IPI00554711	JUP	Junction plakoglobin	Non-raft	13	183/745	7	6	6	10	13	16	39	37	1.05	0.053	0.779	

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
	IPI00554711	JUP	Junction plakoglobin	Raft	19	265/745	20	14	6	7	26	21						
426	IPI00014238	KARS	Lysyl-tRNA synthetase	Non-raft	2	27/597	3	2	2	2	5	4	9	7	1.29	0.251	0.695	M
	IPI00014238	KARS	Lysyl-tRNA synthetase	Raft	5	57/597	4	3	0	0	4	3						
427	IPI00029046	KIAA0152	Protein KIAA0152 precursor	Non-raft	9	103/292	13	2	5	2	18	4	33	4	8.25	2.110	0.028	H
	IPI00029046	KIAA0152	Protein KIAA0152 precursor	Raft	5	57/292	8	0	7	0	15	0						
428	IPI00004584	KIAA0391	Protein KIAA0391	Non-raft	3	30/567	2	2	2	1	4	3	4	3	1.33	0.288	0.678	
429	IPI00006130	KIAA0494	Uncharacterized calcium-binding protein KIAA0494	Non-raft	2	32/495	1	0	2	0	3	0	3	0	3.00	1.099	0.275	M
430	IPI00006499	KIAA0753	KIAA0753	Non-raft	2	16/967	2	0	0	1	2	1	2	1	2.00	0.693	0.473	
431	IPI00217007	KIAA2013	Novel protein	Non-raft	2	27/667	2	0	1	0	3	0	3	0	3.00	1.099	0.275	M
432	IPI00001639	KPNB1	Importin beta-1 subunit	Non-raft	8	95/876	7	4	4	5	11	9	15	10	1.50	0.405	0.621	H
	IPI00001639	KPNB1	Importin beta-1 subunit	Raft	4	58/876	4	1	0	0	4	1						
433	IPI00423568	KRAS	Isoform 2A of GTPase KRas	Non-raft	7	80/189	6	0	7	0	13	0	13	0	13.00	2.565	0.006	H
434	IPI00328753	KTN1	Isoform 1 of Kinectin	Raft	13	160/1357	9	9	0	0	9	9	9	9	1.00	0.000	0.799	
435	IPI00294186	LACTB	Isoform 1 of Serine beta-lactamase-like protein LACTB	Raft	4	53/547	3	2	0	0	3	2	3	2	1.50	0.405	0.621	
436	IPI00641693	LAMA5	400 kDa protein	Raft	10	149/3695	4	8	0	0	4	8	4	8	0.50	-0.693	0.959	
437	IPI00296922	LAMB2	Laminin beta-2 chain precursor	Raft	7	88/1798	3	4	0	0	3	4	3	4	0.75	-0.288	0.888	
438	IPI00299404	LAMB3	Laminin beta-3 chain precursor	Non-raft	4	64/1172	1	3	0	0	1	3	1	3	0.33	-1.099	0.988	
439	IPI00298281	LAMC1	Laminin gamma-1 chain precursor	Non-raft	3	45/1609	0	3	0	0	0	3	3	8	0.38	-0.981	0.983	
	IPI00298281	LAMC1	Laminin gamma-1 chain precursor	Raft	6	82/1609	3	5	0	0	3	5						
440	IPI00004503	LAMP1	lysosomal-associated membrane protein 1	Non-raft	4	49/417	4	1	1	0	5	1	5	1	5.00	1.609	0.103	
441	IPI00419237	LAP3	leucine aminopeptidase 3	Non-raft	3	35/519	3	1	1	1	4	2	4	2	2.00	0.693	0.473	
442	IPI00014172	LAPTM4A	Lysosomal-associated transmembrane protein 4A	Non-raft	4	47/233	4	0	3	0	7	0	13	0	13.00	2.565	0.006	
	IPI00014172	LAPTM4A	Lysosomal-associated transmembrane protein 4A	Raft	4	55/233	4	0	2	0	6	0						
443	IPI00395347	LARP4	c-Mpl binding protein isoform a	Raft	4	34/724	3	3	1	0	4	3	4	3	1.33	0.288	0.678	
444	IPI00103994	LARS	Leucyl-tRNA synthetase, cytoplasmic	Non-raft	3	53/1176	2	0	1	0	3	0	3	0	3.00	1.099	0.275	H
445	IPI00000861	LASP1	Isoform 1 of LIM and SH3 domain protein 1	Non-raft	3	39/261	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
446	IPI00305304	LASS2	LAG1 longevity assurance homolog 2	Non-raft	2	25/380	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
447	IPI00395993	LAT2	Isoform 1 of Linker for activation of T-cells family member 2	Raft	2	33/243	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
448	IPI00292135	LBR	Lamin-B receptor	Non-raft	2	34/615	3	2	2	0	5	2	5	2	2.50	0.916	0.360	
449	IPI00394952	LCK	lymphocyte-specific protein tyrosine kinase precursor	Non-raft	2	18/536	0	0	2	0	2	0	2	0	2.00	0.693	0.473	H
450	IPI00217966	LDHA	lactate dehydrogenase A	Non-raft	12	162/332	15	8	4	1	19	9	19	9	2.11	0.747	0.445	
451	IPI00219217	LDHB	L-lactate dehydrogenase B chain	Non-raft	6	74/334	5	7	2	1	7	8	7	8	0.88	-0.134	0.844	
452	IPI00000070	LDLR	Low-density lipoprotein receptor precursor	Non-raft	6	71/860	3	5	1	1	4	6	4	6	0.67	-0.405	0.914	
453	IPI00045839	LEPRE1	Isoform 3 of Prolyl 3-hydroxylase 1 precursor	Non-raft	2	22/804	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
454	IPI00219219	LGALS1	Galectin-1	Non-raft	6	77/135	13	1	13	2	26	3	55	15	3.67	1.299	0.195	
	IPI00219219	LGALS1	Galectin-1	Raft	9	103/135	18	12	11	0	29	12						
455	IPI00008918	LIMA1	Isoform Beta of LIM domain and actin-binding protein 1	Raft	11	147/759	11	10	2	0	13	10	13	10	1.30	0.262	0.690	
456	IPI00009950	LMAN2	Vesicular integral-membrane protein VIP36 precursor	Non-raft	2	23/356	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
457	IPI00020007	LMBRD1	LMBR1 domain containing 1	Non-raft	2	26/540	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
458	IPI00021405	LMNA	Isoform A of Lamin-A/C	Raft	22	275/664	20	17	3	4	23	21	23	21	1.10	0.091	0.764	
459	IPI00221240	LNPEP	Isoform 2 of Leucyl-cystinyl aminopeptidase	Non-raft	17	184/1011	14	0	6	0	20	0	20	0	20.00	2.996	0.001	H
460	IPI00293336	LOC153364	similar to metallo-beta-lactamase superfamily protein	Non-raft	6	73/279	5	0	1	0	6	0	6	0	6.00	1.792	0.067	M
461	IPI00373972	LOC388564	PREDICTED: hypothetical protein	Non-raft	2	20/176	2	0	1	0	3	0	5	0	5.00	1.609	0.103	
	IPI00373972	LOC388564	PREDICTED: hypothetical protein	Raft	2	20/176	2	0	0	0	2	0						
462	IPI00383071	LOC388642	RcTPI1 (Fragment)	Raft	2	23/249	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
463	IPI00291695	LOC493869	CDNA FLJ23636 fis, clone CAS07176	Non-raft	3	35/209	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
464	IPI00738655	LOC653781	PREDICTED: similar to Prostate, ovary, testis expressed protein on chromosome 2	Raft	6	57/1038	4	4	16	7	20	11	20	11	1.82	0.598	0.523	

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
465	IPI00171626	LPCAT1	1-acylglycerophosphocholine O-acyltransferase 1	Non-raft	6	84/534	6	3	2	2	8	5	8	5	1.60	0.470	0.589	
466	IPI00020557	LRP1	Low-density lipoprotein receptor-related protein 1 precursor	Non-raft	4	54/4544	1	4	0	0	1	4	1	4	0.25	-1.386	0.996	
467	IPI00414231	LRP10	Isoform 1 of Low-density lipoprotein receptor-related protein 10 precursor	Non-raft	2	28/713	2	0	1	0	3	0	5	0	5.00	1.609	0.103	
	IPI00414231	LRP10	Isoform 1 of Low-density lipoprotein receptor-related protein 10 precursor	Raft	2	28/713	1	0	1	0	2	0						
468	IPI00021027	LRP12	Low-density lipoprotein receptor-related protein 12 precursor	Non-raft	2	18/859	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
469	IPI00783271	LRPPRC	Leucine-rich PPR motif-containing protein	Non-raft	21	279/1394	13	12	3	5	16	17	16	17	0.94	-0.061	0.821	
470	IPI00427739	LRRC1	Isoform 1 of Leucine-rich repeat-containing protein 1	Non-raft	12	205/524	13	0	14	0	27	0	30	0	30.00	3.401	0.000	M
	IPI00427739	LRRC1	Isoform 1 of Leucine-rich repeat-containing protein 1	Raft	3	47/524	3	0	0	0	3	0						
471	IPI00170935	LRRC47	Leucine-rich repeat-containing protein 47	Raft	2	30/583	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
472	IPI00396321	LRRC59	Leucine-rich repeat-containing protein 59	Non-raft	4	47/307	2	2	1	0	3	2	6	3	2.00	0.693	0.473	
	IPI00396321	LRRC59	Leucine-rich repeat-containing protein 59	Raft	2	22/307	3	1	0	0	3	1						
473	IPI00410324	LSM12	LSM12 homolog	Raft	2	24/195	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
474	IPI00409640	LSR	Isoform 1 of Lipolysis-stimulated lipoprotein receptor	Non-raft	9	111/649	18	1	11	0	29	1	55	1	55.00	4.007	0.000	
	IPI00409640	LSR	Isoform 1 of Lipolysis-stimulated lipoprotein receptor	Raft	12	187/649	17	0	9	0	26	0						
475	IPI00219077	LTA4H	LTA4H protein	Non-raft	2	23/611	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
476	IPI00298625	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	Non-raft	25	300/512	27	1	14	1	41	2	59	3	19.67	2.979	0.001	
	IPI00298625	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	Raft	11	127/512	8	1	10	0	18	1						
477	IPI00007321	LYPLA1	Isoform 1 of Acyl-protein thioesterase 1	Non-raft	2	27/263	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
478	IPI00025049	M6PR	Cation-dependent mannose-6-phosphate receptor precursor	Non-raft	7	87/277	9	3	5	0	14	3	16	3	5.33	1.674	0.089	
	IPI00025049	M6PR	Cation-dependent mannose-6-phosphate receptor precursor	Raft	2	32/277	1	0	1	0	2	0						
479	IPI00396171	MAP4	Isoform 1 of Microtubule-associated protein 4	Non-raft	3	33/1152	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
480	IPI00008240	MARS	Methionyl-tRNA synthetase, cytoplasmic	Non-raft	7	73/900	5	4	3	0	8	4	8	4	2.00	0.693	0.473	M
481	IPI00017297	MATR3	Matrin-3	Raft	5	89/847	5	2	0	0	5	2	5	2	2.50	0.916	0.360	
482	IPI00016334	MCAM	Isoform 1 of Cell surface glycoprotein MUC18 precursor	Non-raft	8	123/646	5	0	8	0	13	0	13	0	13.00	2.565	0.006	
483	IPI00784044	MCCC2	Isoform 1 of Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial precursor	Non-raft	2	22/563	1	0	0	1	1	1	1	1	1.00	0.000	0.799	
484	IPI00184330	MCM2	DNA replication licensing factor MCM2	Non-raft	4	42/904	2	2	0	0	2	2	4	3	1.33	0.288	0.678	M
	IPI00184330	MCM2	DNA replication licensing factor MCM2	Raft	3	34/904	2	1	0	0	2	1						
485	IPI00299904	MCM7	Isoform 1 of DNA replication licensing factor MCM7	Non-raft	3	34/719	2	1	0	0	2	1	2	1	2.00	0.693	0.473	M
486	IPI00291005	MDH1	Malate dehydrogenase, cytoplasmic	Non-raft	2	26/334	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
487	IPI00291006	MDH2	Malate dehydrogenase, mitochondrial precursor	Non-raft	13	166/338	13	8	4	11	17	19	17	19	0.89	-0.111	0.837	
488	IPI00418234	MECP2	Methyl-CpG-binding protein 2	Non-raft	2	22/486	1	3	0	0	1	3	1	3	0.33	-1.099	0.988	
489	IPI00301139	MED17	CRSP complex subunit 6	Raft	4	47/651	4	2	0	0	4	2	4	2	2.00	0.693	0.473	
490	IPI00022239	METAP1	Methionine aminopeptidase 1	Non-raft	2	22/386	1	1	0	0	1	1	5	2	2.50	0.916	0.360	
	IPI00022239	METAP1	Methionine aminopeptidase 1	Raft	3	44/386	3	1	1	0	4	1						
491	IPI00090807	METTL7B	Methyltransferase-like protein 7B precursor	Non-raft	3	42/277	3	0	1	0	4	0	4	0	4.00	1.386	0.165	
492	IPI00002236	MFGE8	Lactadherin precursor	Raft	2	31/387	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
493	IPI00395906	MGC59937	Similar to RIKEN cDNA 2310002J15 gene	Non-raft	2	40/144	2	0	0	0	2	0	9	0	9.00	2.197	0.021	
	IPI00395906	MGC59937	Similar to RIKEN cDNA 2310002J15 gene	Raft	3	59/144	6	0	1	0	7	0						
494	IPI00004233	MKI67	Isoform Long of Antigen KI-67	Raft	6	70/3256	5	3	0	0	5	3	5	3	1.67	0.511	0.568	
495	IPI00218398	MMP14	Matrix metalloproteinase-14 precursor	Non-raft	10	88/582	7	0	4	0	11	0	11	0	11.00	2.398	0.011	
496	IPI00215610	MPP1	55 kDa erythrocyte membrane protein	Non-raft	3	45/466	1	0	3	0	4	0	4	0	4.00	1.386	0.165	
497	IPI00174976	MPP5	Isoform 1 of MAGUK p55 subfamily member 5	Non-raft	2	30/675	2	0	1	0	3	0	9	0	9.00	2.197	0.021	
	IPI00174976	MPP5	Isoform 1 of MAGUK p55 subfamily member 5	Raft	4	63/675	3	0	3	0	6	0						
498	IPI00303280	MPP6	MAGUK p55 subfamily member 6	Non-raft	11	164/540	11	0	8	0	19	0	19	0	19.00	2.944	0.001	M
499	IPI00017515	MREG	DSU protein	Non-raft	4	47/214	3	0	3	0	6	0	6	0	6.00	1.792	0.067	M

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							1st		2nd									
							EXP	CON	EXP	CON								
500	IPI00219365	MSN	Moesin	Non-raft	15	173/577	14	3	2	0	16	3	16	3	5.33	1.674	0.089	
501	IPI00328715	MTDH	Protein LYRIC	Non-raft	6	74/582	7	0	6	0	13	0	27	0	27.00	3.296	0.000	H
	IPI00328715	MTDH	Protein LYRIC	Raft	4	47/582	7	0	7	0	14	0						
502	IPI00218342	MTHFD1	C-1-tetrahydrofolate synthase, cytoplasmic	Non-raft	12	154/935	5	7	1	5	6	12	6	12	0.50	-0.693	0.959	
503	IPI00385172	MUC1	Mucin 1, transmembrane	Non-raft	5	67/241	3	0	5	0	8	0	20	0	20.00	2.996	0.001	
	IPI00385172	MUC1	Mucin 1, transmembrane	Raft	6	76/241	8	0	4	0	12	0						
504	IPI00102685	MYADM	Myeloid-associated differentiation marker	Raft	2	33/322	2	0	1	0	3	0	3	0	3.00	1.099	0.275	M
505	IPI00019502	MYH9	Myosin-9	Non-raft	17	240/1960	11	14	1	2	12	16	14	16	0.88	-0.134	0.844	
	IPI00019502	MYH9	Myosin-9	Raft	2	24/1960	2	0	0	0	2	0						
506	IPI00010418	MYO1C	Myosin 1c	Raft	4	56/1028	2	2	0	0	2	2	2	2	1.00	0.000	0.799	
507	IPI00023748	NACA	Nascent polypeptide-associated complex subunit alpha	Raft	3	47/215	3	1	1	0	4	1	4	1	4.00	1.386	0.165	
508	IPI00023860	NAP1L1	Nucleosome assembly protein 1-like 1	Non-raft	2	28/391	1	0	0	1	1	1	1	1	1.00	0.000	0.799	
509	IPI00306960	NARS	Asparaginyl-tRNA synthetase, cytoplasmic	Non-raft	2	22/548	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
510	IPI00444262	NCL	CDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	Non-raft	2	19/603	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
511	IPI00470649	NCLN	Isoform 1 of Nicalin precursor	Non-raft	6	73/563	6	2	1	0	7	2	7	2	3.50	1.253	0.212	
512	IPI00021983	NCSTN	Isoform 1 of Nicastrin precursor	Non-raft	5	83/709	3	0	5	2	8	2	10	2	5.00	1.609	0.103	
	IPI00021983	NCSTN	Isoform 1 of Nicastrin precursor	Raft	2	20/709	2	0	0	0	2	0						
513	IPI00012235	NDFIP1	Isoform 1 of NEDD4 family-interacting protein 1	Non-raft	2	28/221	2	0	0	0	2	0	5	0	5.00	1.609	0.103	M
	IPI00012235	NDFIP1	Isoform 1 of NEDD4 family-interacting protein 1	Raft	3	28/221	2	0	1	0	3	0						
514	IPI00604664	NDUFS1	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial precursor	Non-raft	6	86/741	5	3	0	2	5	5	5	5	1.00	0.000	0.799	
515	IPI00010346	NLN	Neurolysin, mitochondrial precursor	Non-raft	2	21/704	1	1	1	1	2	2	2	2	1.00	0.000	0.799	
516	IPI00012048	NME1	Nucleoside diphosphate kinase A	Non-raft	2	21/152	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
517	IPI00218830	NMT1	Isoform Short of Glycylpeptide N-tetradecanoyltransferase 1	Non-raft	3	41/416	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
518	IPI00329352	NOMO1	Nodal modulator 1 precursor	Non-raft	4	49/1222	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
519	IPI00304596	NONO	Non-POU domain-containing octamer-binding protein	Non-raft	3	43/471	3	0	0	0	3	0	12	3	4.00	1.386	0.165	M
	IPI00304596	NONO	Non-POU domain-containing octamer-binding protein	Raft	8	89/471	9	3	0	0	9	3						
520	IPI00017672	NP	CDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	Non-raft	2	31/293	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
521	IPI00005107	NPC1	Niemann-Pick C1 protein precursor	Non-raft	17	260/1278	21	5	16	6	37	11	37	11	3.36	1.213	0.228	
522	IPI00026216	NPEPPS	Puromycin-sensitive aminopeptidase	Non-raft	2	25/919	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
523	IPI00001676	NPLOC4	Isoform 2 of Nuclear protein localization protein 4 homolog	Non-raft	7	94/617	7	3	1	2	8	5	8	5	1.60	0.470	0.589	
524	IPI00220740	NPM1	Isoform 2 of Nucleophosmin	Non-raft	2	36/265	1	0	1	0	2	0	22	8	2.75	1.012	0.315	
	IPI00220740	NPM1	Isoform 2 of Nucleophosmin	Raft	7	88/265	13	8	7	0	20	8						
525	IPI00012069	NQO1	NAD(P)H dehydrogenase [quinone] 1	Non-raft	5	60/274	5	1	2	0	7	1	7	1	7.00	1.946	0.044	
526	IPI00000005	NRAS	GTPase NRas precursor	Non-raft	12	123/189	14	0	15	1	29	1	31	1	31.00	3.434	0.000	
	IPI00000005	NRAS	GTPase NRas precursor	Raft	2	21/189	1	0	1	0	2	0						
527	IPI00299594	NRP1	Isoform 1 of Neuropilin-1 precursor	Non-raft	7	114/923	4	0	8	0	12	0	25	0	25.00	3.219	0.000	
	IPI00299594	NRP1	Isoform 1 of Neuropilin-1 precursor	Raft	10	188/923	9	0	4	0	13	0						
528	IPI00017231	NRSN2	Protein C2orf98	Non-raft	7	94/204	5	0	3	0	8	0	8	0	8.00	2.079	0.030	
529	IPI00006451	NSF	Vesicle-fusing ATPase	Non-raft	3	35/744	1	3	1	0	2	3	2	3	0.67	-0.405	0.914	
530	IPI00306369	NSUN2	NOL1/NOP2/Sun domain family 2 protein	Non-raft	6	71/767	4	3	2	1	6	4	6	4	1.50	0.405	0.621	
531	IPI00009456	NT5E	5'-nucleotidase precursor	Non-raft	4	81/574	2	2	2	0	4	2	17	7	2.43	0.887		
	IPI00009456	NT5E	5'-nucleotidase precursor	Raft	8	121/574	8	3	5	2	13	5						
532	IPI00171664	NUP43	Nucleoporin 43kDa	Raft	2	23/441	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
533	IPI00022334	OAT	Ornithine aminotransferase, mitochondrial precursor	Non-raft	5	82/439	4	3	0	0	4	3	4	3	1.33	0.288	0.678	



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							1st		2nd									
							EXP	CON	EXP	CON								
534	IPI00098902	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) isoform 1 precursor	Non-raft	3	36/1023	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
535	IPI00022674	OSMR	oncostatin M receptor	Non-raft	9	128/979	6	0	7	1	13	1	17	1	17.00	2.833	0.002	
	IPI00022674	OSMR	oncostatin M receptor	Raft	4	61/979	3	0	1	0	4	0						
536	IPI00026516	OXCT1	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial precursor	Non-raft	2	32/520	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
537	IPI00010796	P4HB	Protein disulfide-isomerase precursor	Non-raft	19	241/508	22	9	11	7	33	16	33	16	2.06	0.724	0.457	
538	IPI00299000	PA2G4	Proliferation-associated protein 2G4	Raft	9	104/394	8	7	1	0	9	7	9	7	1.29	0.251	0.695	
539	IPI00008524	PABPC1	Isoform 1 of Polyadenylate-binding protein 1	Non-raft	5	70/636	2	0	4	1	6	1	34	25	1.36	0.307	0.669	
	IPI00008524	PABPC1	Isoform 1 of Polyadenylate-binding protein 1	Raft	17	207/636	19	16	9	8	28	24						
540	IPI00012726	PABPC4	Isoform 1 of Polyadenylate-binding protein 4	Raft	14	179/644	11	10	7	6	18	16	18	16	1.13	0.118	0.753	
541	IPI00329572	PACSIN3	49 kDa protein	Non-raft	5	67/424	5	0	3	0	8	0	27	0	27.00	3.296	0.000	
	IPI00329572	PACSIN3	49 kDa protein	Raft	10	122/424	11	0	8	0	19	0						
542	IPI00020464	PAG1	Phosphoprotein associated with glycosphingolipid-enriched microdomains 1	Raft	3	60/432	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
543	IPI00217223	PAICS	Multifunctional protein ADE2	Non-raft	4	49/451	3	3	0	2	3	5	3	5	0.60	-0.511	0.934	
544	IPI00301023	PALM	Isoform 1 of Paralemmin	Non-raft	4	43/387	4	0	2	0	6	0	9	0	9.00	2.197	0.021	
	IPI00301023	PALM	Isoform 1 of Paralemmin	Raft	3	33/387	2	0	1	0	3	0						
545	IPI00073769	PALM2	A kinase	Non-raft	3	34/433	3	0	0	0	3	0	7	0	7.00	1.946	0.044	
	IPI00073769	PALM2	A kinase	Raft	4	49/433	4	0	0	0	4	0						
546	IPI00449049	PARP1	Poly [ADP-ribose] polymerase 1	Raft	4	56/1014	3	2	0	0	3	2	3	2	1.50	0.405	0.621	
547	IPI00018873	PBEF1	Isoform 1 of Nicotinamide phosphoribosyltransferase	Non-raft	2	35/491	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
548	IPI00016610	PCBP1	Poly(rC)-binding protein 1	Non-raft	6	88/356	3	6	0	1	3	7	16	15	1.07	0.065	0.775	
	IPI00016610	PCBP1	Poly(rC)-binding protein 1	Raft	10	152/356	10	7	3	1	13	8						
549	IPI00012066	PCBP2	poly(rC)-binding protein 2 isoform b	Non-raft	4	55/362	3	3	0	0	3	3	3	3	1.00	0.000	0.799	
550	IPI00021700	PCNA	Proliferating cell nuclear antigen	Non-raft	2	21/261	2	0	0	1	2	1	2	1	2.00	0.693	0.473	
551	IPI00869136	PCNXL3	Isoform 1 of Pecanex-like protein 3	Raft	4	47/2034	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
552	IPI00306301	PDHA1	Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochondrial precursor	Non-raft	3	28/428	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
553	IPI00025252	PDIA3	Protein disulfide-isomerase A3 precursor	Non-raft	21	197/505	19	20	11	8	30	28	35	30	1.17	0.154	0.738	
	IPI00025252	PDIA3	Protein disulfide-isomerase A3 precursor	Raft	6	72/505	5	2	0	0	5	2						
554	IPI00009904	PDIA4	Protein disulfide-isomerase A4 precursor	Non-raft	9	109/645	7	4	1	1	8	5	8	5	1.60	0.470	0.589	
555	IPI00299571	PDIA6	CDNA FLJ45525 fis, clone BRTHA2026311, highly similar to Protein disulfide isomerase A6	Non-raft	11	153/492	14	11	6	6	20	17	24	18	1.33	0.288	0.678	
	IPI00299571	PDIA6	CDNA FLJ45525 fis, clone BRTHA2026311, highly similar to Protein disulfide isomerase A6	Raft	4	67/492	4	1	0	0	4	1						
556	IPI00023122	PDLIM7	Isoform 1 of PDZ and LIM domain protein 7	Non-raft	2	24/457	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
557	IPI00293189	PERP	Isoform 1 of p53 apoptosis effector related to PMP-22	Raft	2	24/193	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
558	IPI00004534	PFAS	Phosphoribosylformylglycinamide synthase	Non-raft	2	29/1338	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
559	IPI00009790	PFKP	6-phosphofructokinase type C	Non-raft	7	82/784	4	4	0	0	4	4	4	4	1.00	0.000	0.799	M
560	IPI00216691	PFN1	Profilin-1	Non-raft	5	65/140	3	5	3	1	6	6	6	6	1.00	0.000	0.799	
561	IPI00549725	PGAM1	Phosphoglycerate mutase 1	Non-raft	4	48/254	4	1	1	0	5	1	5	1	5.00	1.609	0.103	
562	IPI00219525	PGD	6-phosphogluconate dehydrogenase, decarboxylating	Non-raft	3	42/483	1	1	0	1	1	2	1	2	0.50	-0.693	0.959	
563	IPI00169383	PGK1	Phosphoglycerate kinase 1	Non-raft	4	56/417	6	5	0	0	6	5	6	5	1.20	0.182	0.726	
564	IPI00017334	PHB	Prohibitin	Non-raft	4	46/272	4	1	1	0	5	1	5	1	5.00	1.609	0.103	
565	IPI00011200	PHGDH	D-3-phosphoglycerate dehydrogenase	Non-raft	7	94/533	5	2	0	2	5	4	5	4	1.25	0.223	0.708	
566	IPI00020124	PI4K2A	Phosphatidylinositol 4-kinase type II	Non-raft	25	333/479	31	0	15	1	46	1	50	1	50.00	3.912	0.000	H
	IPI00020124	PI4K2A	Phosphatidylinositol 4-kinase type II	Raft	4	36/479	3	0	1	0	4	0						

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							1st		2nd									
							EXP	CON	EXP	CON								
567	IPI00291068	PI4K2B	Phosphatidylinositol 4-kinase type-II beta	Non-raft	5	57/481	4	0	3	0	7	0	7	0	7.00	1.946	0.044	H
568	IPI00022543	PIGK	GPI-anchor transamidase precursor	Non-raft	2	23/395	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
569	IPI00479186	PKM2	pyruvate kinase 3 isoform 1	Non-raft	31	371/605	56	36	35	15	91	51	91	51	1.78	0.579	0.533	
570	IPI00021076	PKP4	Isoform Long of Plakophilin-4	Non-raft	2	20/1211	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
571	IPI00010400	PLCB3	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 3	Raft	2	12/1234	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
572	IPI00152701	PLCD3	phospholipase C delta 3	Non-raft	3	52/789	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
573	IPI00012865	PLD1	Isoform PLD1A of Phospholipase D1	Raft	2	29/1074	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
574	IPI00337495	PLOD2	Isoform 2 of Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 precursor	Non-raft	9	135/758	3	5	2	2	5	7	5	7	0.71	-0.336	0.899	
575	IPI00030255	PLOD3	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor	Non-raft	2	23/738	1	1	0	0	1	1	4	3	1.33	0.288	0.678	
	IPI00030255	PLOD3	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor	Raft	3	42/738	3	2	0	0	3	2						
576	IPI00030362	PLP2	Proteolipid protein 2	Non-raft	2	28/152	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
577	IPI00216694	PLS3	plastin 3	Non-raft	7	82/630	6	3	1	3	7	6	7	6	1.17	0.154	0.738	
578	IPI00005181	PLSCR1	Phospholipid scramblase 1	Non-raft	6	70/318	12	0	8	1	20	1	27	1	27.00	3.296	0.000	
	IPI00005181	PLSCR1	Phospholipid scramblase 1	Raft	4	60/318	5	0	2	0	7	0						
579	IPI00216127	PLSCR3	Phospholipid scramblase 3	Non-raft	4	54/295	7	0	4	0	11	0	11	0	11.00	2.398	0.011	
580	IPI00398435	PLXNB2	PLEXIN-B2	Non-raft	16	243/1266	10	6	4	0	14	6	14	6	2.33	0.847	0.394	
581	IPI00165506	POLDIP2	Polymerase delta-interacting protein 2	Non-raft	2	28/368	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
582	IPI00031960	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	Raft	2	34/1720	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
583	IPI00470467	POR	NADPH--cytochrome P450 reductase	Non-raft	6	95/677	3	1	3	2	6	3	6	3	2.00	0.693	0.473	
584	IPI00015018	PPA1	Inorganic pyrophosphatase	Non-raft	2	38/289	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
585	IPI00419585	PPIA	Peptidyl-prolyl cis-trans isomerase A	Non-raft	9	135/165	9	3	8	1	17	4	26	7	3.71	1.312	0.191	
	IPI00419585	PPIA	Peptidyl-prolyl cis-trans isomerase A	Raft	8	122/165	7	3	2	0	9	3						
586	IPI00646304	PPIB	peptidylprolyl isomerase B precursor	Non-raft	3	35/216	1	2	2	1	3	3	5	3	1.67	0.511	0.568	
	IPI00646304	PPIB	peptidylprolyl isomerase B precursor	Raft	2	27/216	2	0	0	0	2	0						
587	IPI00550451	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	Non-raft	9	115/330	5	4	3	1	8	5	19	10	1.90	0.642	0.500	
	IPI00550451	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	Raft	11	130/330	7	4	4	1	11	5						
588	IPI00218236	PPP1CB	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	Non-raft	7	99/327	5	3	0	0	5	3	10	6	1.67	0.511	0.568	
	IPI00218236	PPP1CB	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	Raft	7	93/327	5	3	0	0	5	3						
589	IPI00005705	PPP1CC	Isoform Gamma-1 of Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	Non-raft	7	103/323	4	3	2	1	6	4	16	7	2.29	0.827	0.405	
	IPI00005705	PPP1CC	Isoform Gamma-1 of Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	Raft	8	100/323	5	3	5	0	10	3						
590	IPI00063273	PPP1R16A	Protein phosphatase 1 regulatory subunit 16A	Non-raft	2	27/528	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
591	IPI00008380	PPP2CA	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	Non-raft	2	19/309	1	1	0	0	1	1	2	3	0.67	-0.405	0.914	
	IPI00008380	PPP2CA	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	Raft	3	51/309	1	2	0	0	1	2						
592	IPI00419307	PPP2R1A	alpha isoform of regulatory subunit A, protein phosphatase 2	Non-raft	5	63/589	2	1	2	1	4	2	4	2	2.00	0.693	0.473	
593	IPI00026994	PRAF2	PRA1 family protein 2	Non-raft	2	29/178	1	0	1	0	2	0	2	0	2.00	0.693	0.473	H
594	IPI00000874	PRDX1	Peroxiredoxin-1	Non-raft	7	66/199	3	1	3	2	6	3	19	7	2.71	0.999	0.321	
	IPI00000874	PRDX1	Peroxiredoxin-1	Raft	8	98/199	8	4	5	0	13	4						
595	IPI00027350	PRDX2	Peroxiredoxin-2	Non-raft	3	36/198	3	1	0	0	3	1	4	3	1.33	0.288	0.678	
	IPI00027350	PRDX2	Peroxiredoxin-2	Raft	2	24/198	1	2	0	0	1	2						

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							1st		2nd									
							EXP	CON	EXP	CON								
596	IPI00024919	PRDX3	Thioredoxin-dependent peroxide reductase, mitochondrial precursor	Non-raft	3	37/256	2	3	3	2	5	5	8	7	1.14	0.134	0.747	
	IPI00024919	PRDX3	Thioredoxin-dependent peroxide reductase, mitochondrial precursor	Raft	3	25/256	2	2	1	0	3	2						
597	IPI00011937	PRDX4	Peroxiredoxin-4	Non-raft	2	23/271	3	2	0	0	3	2	3	2	1.50	0.405	0.621	
598	IPI00385449	PRKCA	Protein kinase C alpha type	Non-raft	3	35/672	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
599	IPI00026154	PRKCSH	Glucosidase 2 subunit beta precursor	Non-raft	9	88/535	6	10	3	4	9	14	9	14	0.64	-0.442	0.922	H
600	IPI00296337	PRKDC	Isoform 1 of DNA-dependent protein kinase catalytic subunit	Non-raft	8	108/4128	1	8	0	0	1	8	1	8	0.13	-2.079	1.000	H
601	IPI00009276	PROCR	Endothelial protein C receptor precursor	Non-raft	6	71/275	8	0	1	0	9	0	12	0	12.00	2.485	0.008	
	IPI00009276	PROCR	Endothelial protein C receptor precursor	Raft	2	30/275	1	0	2	0	3	0						
602	IPI00294004	PROS1	Vitamin K-dependent protein S precursor	Non-raft	2	19/676	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
603	IPI00004968	PRPF19	Pre-mRNA-processing factor 19	Non-raft	4	57/504	3	1	1	0	4	1	13	4	3.25	1.179	0.242	M
	IPI00004968	PRPF19	Pre-mRNA-processing factor 19	Raft	9	174/504	6	2	3	1	9	3						
604	IPI00150269	PRPF4	Isoform 1 of U4/U6 small nuclear ribonucleoprotein Prp4	Non-raft	2	23/522	1	0	1	1	2	1	3	3	1.00	0.000	0.799	
	IPI00150269	PRPF4	Isoform 1 of U4/U6 small nuclear ribonucleoprotein Prp4	Raft	3	39/522	1	2	0	0	1	2						
605	IPI00028077	PSEN1	Isoform 1 of Presenilin-1	Non-raft	5	63/467	8	0	4	0	12	0	14	0	14.00	2.639	0.005	M
	IPI00028077	PSEN1	Isoform 1 of Presenilin-1	Raft	2	35/467	2	0	0	0	2	0						
606	IPI00171199	PSMA3	proteasome alpha 3 subunit isoform 2	Non-raft	2	21/248	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
607	IPI00029623	PSMA6	Proteasome subunit alpha type 6	Non-raft	2	24/246	2	1	1	0	3	1	3	1	3.00	1.099	0.275	
608	IPI00375704	PSMB5	Hypothetical protein DKFZp68610180 (Fragment)	Non-raft	3	35/263	1	2	1	0	2	2	2	2	1.00	0.000	0.799	
609	IPI00012268	PSMD2	26S proteasome non-ATPase regulatory subunit 2	Non-raft	2	29/908	1	1	0	0	1	1	1	1	1.00	0.000	0.799	M
610	IPI00030770	PSMG1	Isoform 1 of Down syndrome critical region protein 2	Non-raft	2	14/288	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
611	IPI00103525	PSPC1	paraspeckle protein 1 isoform alpha	Raft	3	47/523	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
612	IPI00179964	PTBP1	Isoform 1 of Polypyrimidine tract-binding protein 1	Non-raft	7	99/531	5	0	4	1	9	1	21	8	2.63	0.965	0.336	H
	IPI00179964	PTBP1	Isoform 1 of Polypyrimidine tract-binding protein 1	Raft	11	197/531	7	6	5	1	12	7						
613	IPI00022048	PTGFRN	Prostaglandin F2 receptor negative regulator precursor	Non-raft	15	201/879	14	0	6	0	20	0	23	0	23.00	3.135	0.001	
	IPI00022048	PTGFRN	Prostaglandin F2 receptor negative regulator precursor	Raft	3	31/879	3	0	0	0	3	0						
614	IPI00168812	PTK7	PTK7 protein tyrosine kinase 7 isoform d precursor	Non-raft	8	124/1014	8	0	3	0	11	0	11	0	11.00	2.398	0.011	M
615	IPI00008998	PTPLAD1	HSPC121	Non-raft	4	51/362	3	2	1	0	4	2	4	2	2.00	0.693	0.473	
616	IPI00297261	PTPN1	Tyrosine-protein phosphatase non-receptor type 1	Non-raft	3	35/435	4	5	3	2	7	7	7	7	1.00	0.000	0.799	
617	IPI00298347	PTPN11	Isoform 2 of Tyrosine-protein phosphatase non-receptor type 11	Non-raft	2	23/593	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
618	IPI00107831	PTPRF	Receptor-type tyrosine-protein phosphatase F precursor	Non-raft	7	104/1897	7	1	0	0	7	1	7	1	7.00	1.946	0.044	
619	IPI00011651	PTPRG	Receptor-type tyrosine-protein phosphatase gamma precursor	Non-raft	3	50/1445	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
620	IPI00032903	PTRH2	Peptidyl-rRNA hydrolase 2, mitochondrial precursor	Non-raft	7	100/179	5	0	5	0	10	0	10	0	10.00	2.303	0.015	H
621	IPI00023974	PTTG1IP	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	Non-raft	3	41/180	5	0	2	0	7	0	10	0	10.00	2.303	0.015	H
	IPI00023974	PTTG1IP	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	Raft	2	30/180	3	0	0	0	3	0						
622	IPI00023591	PURA	Transcriptional activator protein Pur-alpha	Raft	2	35/322	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
623	IPI00219425	PVR	Isoform Beta of Poliovirus receptor precursor	Non-raft	9	86/372	17	3	21	0	38	3	40	3	13.33	2.590	0.005	
	IPI00219425	PVR	Isoform Beta of Poliovirus receptor precursor	Raft	2	25/372	1	0	1	0	2	0						
624	IPI00022661	PVRL2	Isoform Delta of Poliovirus receptor-related protein 2 precursor	Non-raft	7	92/538	7	0	3	0	10	0	10	0	10.00	2.303	0.015	
625	IPI00026665	QARS	Glutaminyl-tRNA synthetase	Non-raft	2	20/793	1	1	0	0	1	1	4	2	2.00	0.693	0.473	
	IPI00026665	QARS	Glutaminyl-tRNA synthetase	Raft	3	29/793	3	1	0	0	3	1						
626	IPI00016513	RAB10	Ras-related protein Rab-10	Non-raft	6	48/200	9	3	11	3	20	6	20	6	3.33	1.204	0.231	
627	IPI00016373	RAB13	Ras-related protein Rab-13	Non-raft	8	90/203	11	5	4	1	15	6	15	6	2.50	0.916	0.360	
628	IPI00291928	RAB14	Ras-related protein Rab-14	Non-raft	8	97/215	9	2	6	1	15	3	15	3	5.00	1.609	0.103	
629	IPI00005719	RAB1A	RAB1A, member RAS oncogene family	Non-raft	11	111/205	13	1	9	2	22	3	22	3	7.33	1.992	0.039	

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							1st		2nd									
							EXP	CON	EXP	CON								
630	IPI00008964	RAB1B	Ras-related protein Rab-1B	Non-raft	10	121/201	12	3	11	3	23	6	23	6	3.83	1.344	0.180	H
631	IPI00007755	RAB21	Ras-related protein Rab-21	Non-raft	7	88/225	7	3	1	0	8	3	8	3	2.67	0.981	0.329	
632	IPI00031169	RAB2A	Ras-related protein Rab-2A	Non-raft	5	57/212	4	2	3	2	7	4	7	4	1.75	0.560	0.543	
633	IPI00102896	RAB2B	Ras-related protein Rab-2B	Non-raft	3	41/216	0	0	3	1	3	1	3	1	3.00	1.099	0.275	
634	IPI00328180	RAB34	Isoform 1 of Ras-related protein Rab-34	Non-raft	2	25/259	3	2	0	0	3	2	3	2	1.50	0.405	0.621	
635	IPI00300096	RAB35	Ras-related protein Rab-35	Non-raft	6	67/201	8	1	4	1	12	2	12	2	6.00	1.792	0.067	
636	IPI00023504	RAB3A	Ras-related protein Rab-3A	Non-raft	3	19/220	2	0	3	1	5	1	5	1	5.00	1.609	0.103	
637	IPI00300562	RAB3B	Ras-related protein Rab-3B	Non-raft	4	62/219	5	1	0	0	5	1	5	1	5.00	1.609	0.103	
638	IPI00032808	RAB3D	Ras-related protein Rab-3D	Non-raft	5	51/219	6	1	0	0	6	1	6	1	6.00	1.792	0.067	
639	IPI00448725	RAB4B	RAB4B protein	Non-raft	2	24/121	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
640	IPI00016339	RAB5C	Ras-related protein Rab-5C	Non-raft	3	40/216	4	0	3	0	7	0	7	0	7.00	1.946	0.044	M
641	IPI00023526	RAB6A	RAB6A, member RAS oncogene family isoform b	Non-raft	2	23/208	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
642	IPI00016891	RAB6B	Ras-related protein Rab-6B	Non-raft	2	22/208	0	0	4	1	4	1	4	1	4.00	1.386	0.165	
643	IPI00016342	RAB7A	Ras-related protein Rab-7	Non-raft	5	78/207	4	2	3	1	7	3	7	3	2.33	0.847	0.394	
644	IPI00028481	RAB8A	Ras-related protein Rab-8A	Non-raft	7	73/207	9	2	7	2	16	4	16	4	4.00	1.386	0.165	
645	IPI00010271	RAC1	Isoform A of Ras-related C3 botulinum toxin substrate 1 precursor	Non-raft	4	46/192	2	1	6	0	8	1	14	6	2.33	0.847	0.394	
	IPI00010271	RAC1	Isoform A of Ras-related C3 botulinum toxin substrate 1 precursor	Raft	5	29/192	6	5	0	0	6	5						
646	IPI00019733	RAE1	mRNA-associated protein mmp 41	Raft	3	42/368	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
647	IPI00217519	RALA	Ras-related protein Ral-A	Non-raft	7	91/206	8	0	4	0	12	0	15	0	15.00	2.708	0.003	
	IPI00217519	RALA	Ras-related protein Ral-A	Raft	3	41/206	3	0	0	0	3	0						
648	IPI00004397	RALB	Ras-related protein Ral-B	Non-raft	6	76/228	8	0	3	0	11	0	17	0	17.00	2.833	0.002	
	IPI00004397	RALB	Ras-related protein Ral-B	Raft	3	28/228	3	0	3	0	6	0						
649	IPI00643041	RAN	GTP-binding nuclear protein Ran	Non-raft	4	49/216	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
650	IPI00329200	RANBP5	127 kDa protein	Non-raft	5	75/1115	2	3	1	0	3	3	3	3	1.00	0.000	0.799	M
651	IPI00015148	RAP1B	Ras-related protein Rap-1b precursor	Non-raft	6	62/184	7	3	5	1	12	4	12	4	3.00	1.099	0.275	M
652	IPI00019346	RAP2A	Ras-related protein Rap-2a	Non-raft	8	109/183	4	0	9	0	13	0	13	0	13.00	2.565	0.006	H
653	IPI00018364	RAP2B	Ras-related protein Rap-2b precursor	Non-raft	11	120/183	9	0	12	0	21	0	29	0	29.00	3.367	0.000	H
	IPI00018364	RAP2B	Ras-related protein Rap-2b precursor	Raft	3	42/183	5	0	3	0	8	0						
654	IPI00009607	RAP2C	Ras-related protein Rap-2c precursor	Non-raft	11	127/183	11	1	14	0	25	1	25	1	25.00	3.219	0.000	H
655	IPI00004860	RARS	Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	Non-raft	6	66/660	2	4	3	2	5	6	5	6	0.83	-0.182	0.859	
656	IPI00031755	RCE1	CAAX prenyl protease 2	Non-raft	2	27/329	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
657	IPI00339384	RDH11	Isoform 1 of Retinol dehydrogenase 11	Non-raft	3	39/318	2	0	1	2	3	2	3	2	1.50	0.405	0.621	
658	IPI00177940	RDH14	Retinol dehydrogenase 14	Non-raft	2	31/336	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
659	IPI00178431	RECQL	ATP-dependent DNA helicase Q1	Non-raft	6	81/649	5	3	0	0	5	3	5	3	1.67	0.511	0.568	
660	IPI00024670	REEP5	Receptor expression-enhancing protein 5	Non-raft	4	43/189	4	0	2	0	6	0	6	0	6.00	1.792	0.067	
661	IPI00216890	RELL1	Similar to expressed sequence AA536743	Non-raft	3	57/271	3	0	0	0	3	0	8	0	8.00	2.079	0.030	
	IPI00216890	RELL1	Similar to expressed sequence AA536743	Raft	4	50/271	5	0	0	0	5	0						
662	IPI00017381	RFC4	Replication factor C subunit 4	Raft	6	82/363	3	4	2	2	5	6	5	6	0.83	-0.182	0.859	
663	IPI00103867	RFFL	Isoform 1 of Rifiylin	Non-raft	3	58/363	3	0	2	0	5	0	5	0	5.00	1.609	0.103	
664	IPI00005250	RGS17	Regulator of G-protein signaling 17	Raft	2	16/210	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
665	IPI00028108	RGS19	Regulator of G-protein signaling 19	Raft	2	27/217	1	0	1	0	2	0	2	0	2.00	0.693	0.473	M
666	IPI00008802	RGS20	Isoform 6 of Regulator of G-protein signaling 20	Raft	6	116/388	9	0	2	0	11	0	11	0	11.00	2.398	0.011	
667	IPI00027500	RHOA	Transforming protein RhoA precursor	Non-raft	3	44/193	2	1	5	0	7	1	7	1	7.00	1.946	0.044	
668	IPI00000041	RHOB	Rho-related GTP-binding protein RhoB precursor	Non-raft	4	55/196	4	1	7	0	11	1	11	1	11.00	2.398	0.011	
669	IPI00027434	RHOC	Rho-related GTP-binding protein RhoC precursor	Non-raft	3	44/193	2	1	3	0	5	1	5	1	5.00	1.609	0.103	
670	IPI00017342	RHOG	Rho-related GTP-binding protein RhoG precursor	Non-raft	5	89/191	3	1	6	1	9	2	9	2	4.50	1.504	0.130	
671	IPI00023511	RNF167	RING finger protein 167 precursor	Non-raft	2	22/350	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
672	IPI00550069	RNH1	Ribonuclease inhibitor	Non-raft	2	26/461	1	2	0	1	1	3	1	3	0.33	-1.099	0.988	

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							1st		2nd									
							EXP	CON	EXP	CON								
673	IPI00010405	ROR1	Isoform Long of Tyrosine-protein kinase transmembrane receptor ROR1 precursor	Non-raft	4	49/937	4	0	0	0	4	0	4	0	4.00	1.386	0.165	
674	IPI00301202	RP11-217H1.1	Implantation-associated protein precursor	Non-raft	2	19/367	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
675	IPI00026627	RP2	Protein XRP2	Non-raft	2	24/350	2	0	0	0	2	0	5	0	5.00	1.609	0.103	
	IPI00026627	RP2	Protein XRP2	Raft	3	33/350	3	0	0	0	3	0						
676	IPI00020127	RPA1	Replication protein A 70 kDa DNA-binding subunit	Raft	9	129/616	9	3	2	0	11	3	11	3	3.67	1.299	0.195	
677	IPI00412579	RPL10A	60S ribosomal protein L10a	Raft	4	57/217	4	1	1	0	5	1	5	1	5.00	1.609	0.103	M
678	IPI00376798	RPL11	ribosomal protein L11	Non-raft	5	59/178	2	3	3	1	5	4	10	6	1.67	0.511	0.568	
	IPI00376798	RPL11	ribosomal protein L11	Raft	3	35/178	3	1	2	1	5	2						
679	IPI00024933	RPL12	60S ribosomal protein L12	Non-raft	4	55/165	4	1	5	1	9	2	18	5	3.60	1.281	0.202	M
	IPI00024933	RPL12	60S ribosomal protein L12	Raft	5	63/165	5	2	4	1	9	3						
680	IPI00304612	RPL13A	60S ribosomal protein L13a	Non-raft	3	37/203	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
681	IPI00375511	RPL15	26 kDa protein	Non-raft	2	23/204	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
682	IPI00215719	RPL18	60S ribosomal protein L18	Non-raft	2	24/188	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
683	IPI00219153	RPL22	60S ribosomal protein L22	Non-raft	5	60/128	5	4	3	0	8	4	8	4	2.00	0.693	0.473	
684	IPI00182533	RPL28	60S ribosomal protein L28	Non-raft	2	23/137	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
685	IPI00550021	RPL3	60S ribosomal protein L3	Non-raft	4	58/403	5	1	4	0	9	1	15	1	15.00	2.708	0.003	H
	IPI00550021	RPL3	60S ribosomal protein L3	Raft	4	65/403	5	0	1	0	6	0						
686	IPI00219156	RPL30	60S ribosomal protein L30	Non-raft	3	40/115	1	1	5	0	6	1	9	1	9.00	2.197	0.021	
	IPI00219156	RPL30	60S ribosomal protein L30	Raft	3	40/115	0	0	3	0	3	0						
687	IPI00029731	RPL35A	60S ribosomal protein L35a	Non-raft	2	20/110	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
688	IPI00000494	RPL5	60S ribosomal protein L5	Non-raft	2	31/297	1	0	1	0	2	0	39	13	3.00	1.099	0.275	M
	IPI00000494	RPL5	60S ribosomal protein L5	Raft	16	171/297	30	13	7	0	37	13						
689	IPI00030179	RPL7	60S ribosomal protein L7	Non-raft	2	25/248	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
690	IPI00012772	RPL8	60S ribosomal protein L8	Non-raft	3	35/257	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
691	IPI00031691	RPL9	60S ribosomal protein L9	Non-raft	4	39/192	1	2	3	0	4	2	7	2	3.50	1.253	0.212	
	IPI00031691	RPL9	60S ribosomal protein L9	Raft	2	41/192	2	0	1	0	3	0						
692	IPI00008530	RPLP0	60S acidic ribosomal protein P0	Non-raft	4	60/317	3	1	3	2	6	3	12	8	1.50	0.405	0.621	
	IPI00008530	RPLP0	60S acidic ribosomal protein P0	Raft	4	46/317	4	3	2	2	6	5						
693	IPI00025874	RPN1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	Non-raft	12	168/646	13	8	8	5	21	13	21	13	1.62	0.480	0.584	
694	IPI00301271	RPN2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit precursor	Non-raft	8	130/647	9	1	3	1	12	2	12	2	6.00	1.792	0.067	
695	IPI00025091	RPS11	40S ribosomal protein S11	Non-raft	3	33/158	3	0	2	0	5	0	5	0	5.00	1.609	0.103	
696	IPI00013917	RPS12	40S ribosomal protein S12	Non-raft	4	54/132	2	1	4	1	6	2	22	9	2.44	0.894	0.371	
	IPI00013917	RPS12	40S ribosomal protein S12	Raft	6	67/132	9	6	7	1	16	7						
697	IPI00221091	RPS15A	40S ribosomal protein S15a	Non-raft	2	11/130	2	0	0	0	2	0	5	0	5.00	1.609	0.103	
	IPI00221091	RPS15A	40S ribosomal protein S15a	Raft	3	19/130	2	0	1	0	3	0						
698	IPI00221092	RPS16	40S ribosomal protein S16	Raft	2	22/146	1	1	1	0	2	1	2	1	2.00	0.693	0.473	M
699	IPI00221093	RPS17	40S ribosomal protein S17	Raft	2	32/135	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
700	IPI00013485	RPS2	40S ribosomal protein S2	Non-raft	2	19/293	1	0	0	1	1	1	4	3	1.33	0.288	0.678	M
	IPI00013485	RPS2	40S ribosomal protein S2	Raft	4	45/293	1	2	2	0	3	2						
701	IPI00012493	RPS20	40S ribosomal protein S20	Non-raft	2	19/119	2	0	1	0	3	0	6	1	6.00	1.792	0.067	
	IPI00012493	RPS20	40S ribosomal protein S20	Raft	3	30/119	2	1	1	0	3	1						
702	IPI00017448	RPS21	40S ribosomal protein S21	Raft	5	37/83	5	4	2	0	7	4	7	4	1.75	0.560	0.543	
703	IPI00029750	RPS24	Isoform 1 of 40S ribosomal protein S24	Non-raft	2	27/133	0	1	1	0	1	1	1	1	1.00	0.000	0.799	
704	IPI00179330	RPS27A	ubiquitin and ribosomal protein S27a precursor	Non-raft	6	83/156	17	3	5	3	22	6	38	8	4.75	1.558	0.116	
	IPI00179330	RPS27A	ubiquitin and ribosomal protein S27a precursor	Raft	6	64/156	10	2	6	0	16	2						

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
705	IPI00011253	RPS3	40S ribosomal protein S3	Non-raft	6	86/243	5	4	5	2	10	6	29	16	1.81	0.595	0.525	
	IPI00011253	RPS3	40S ribosomal protein S3	Raft	12	170/243	13	7	6	3	19	10						
706	IPI00419880	RPS3A	40S ribosomal protein S3a	Non-raft	2	23/264	2	0	0	0	2	0	6	1	6.00	1.792	0.067	M
	IPI00419880	RPS3A	40S ribosomal protein S3a	Raft	4	54/264	4	1	0	0	4	1						
707	IPI00008433	RPS5	40S ribosomal protein S5	Non-raft	3	38/204	5	0	5	3	10	3	29	9	3.22	1.170	0.245	H
	IPI00008433	RPS5	40S ribosomal protein S5	Raft	5	55/204	10	4	9	2	19	6						
708	IPI00013415	RPS7	40S ribosomal protein S7	Non-raft	2	15/194	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
709	IPI00216587	RPS8	40S ribosomal protein S8	Non-raft	4	52/208	3	2	4	0	7	2	13	6	2.17	0.773	0.432	
	IPI00216587	RPS8	40S ribosomal protein S8	Raft	4	40/208	4	3	2	1	6	4						
710	IPI00221088	RPS9	40S ribosomal protein S9	Raft	3	21/194	2	0	1	0	3	0	3	0	3.00	1.099	0.275	M
711	IPI00413108	RPSA	Ribosomal protein SA	Non-raft	3	175/300	3	1	2	2	5	3	37	17	2.18	0.778	0.430	
	IPI00413108	RPSA	Ribosomal protein SA	Raft	12	46/300	18	8	14	6	32	14						
712	IPI00023101	RQCD1	Homo sapiens protein involved in sexual development, complete cds	Raft	2	32/299	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
713	IPI00020418	RRAS	Ras-related protein R-Ras	Non-raft	10	98/218	15	0	10	1	25	1	30	1	30.00	3.401	0.000	H
	IPI00020418	RRAS	Ras-related protein R-Ras	Raft	2	33/218	5	0	0	0	5	0						
714	IPI00012512	RRAS2	Ras-related protein R-Ras2	Non-raft	14	162/204	17	0	19	0	36	0	51	0	51.00	3.932	0.000	
	IPI00012512	RRAS2	Ras-related protein R-Ras2	Raft	6	76/204	9	0	6	0	15	0						
715	IPI00215743	RRBP1	Isoform 3 of Ribosome-binding protein 1	Raft	18	240/1410	16	8	0	0	16	8	16	8	2.00	0.693	0.473	
716	IPI00061267	RSPRY1	Ring finger and SPRY domain containing 1	Non-raft	8	126/576	10	1	6	0	16	1	33	1	33.00	3.497	0.000	M
	IPI00061267	RSPRY1	Ring finger and SPRY domain containing 1	Raft	7	98/576	9	0	8	0	17	0						
717	IPI00021766	RTN4	Isoform 1 of Reticulon-4	Non-raft	2	28/1192	1	0	1	0	2	0	2	0	2.00	0.693	0.473	H
718	IPI00298289	RTN4	Isoform 2 of Reticulon-4	Non-raft	2	22/373	2	0	0	0	2	0	2	0	2.00	0.693	0.473	H
719	IPI00021187	RUVBL1	Isoform 1 of RuvB-like 1	Non-raft	3	38/456	2	0	1	0	3	0	16	8	2.00	0.693	0.473	
	IPI00021187	RUVBL1	Isoform 1 of RuvB-like 1	Raft	8	108/456	9	6	4	2	13	8						
720	IPI00009104	RUVBL2	RuvB-like 2	Raft	10	120/463	8	6	2	1	10	7	10	7	1.43	0.357	0.645	M
721	IPI00007047	S100A8	Protein S100-A8	Non-raft	2	22/93	1	1	2	2	3	3	3	3	1.00	0.000	0.799	
722	IPI00005129	SCAMP1	Isoform 1 of Secretory carrier-associated membrane protein 1	Non-raft	11	134/338	28	0	14	0	42	0	44	0	44.00	3.784	0.000	H
	IPI00005129	SCAMP1	Isoform 1 of Secretory carrier-associated membrane protein 1	Raft	2	36/338	2	0	0	0	2	0						
723	IPI00218850	SCAMP2	Secretory carrier-associated membrane protein 2	Non-raft	5	77/329	12	0	5	0	17	0	17	0	17.00	2.833	0.002	H
724	IPI00306382	SCAMP3	Isoform 1 of Secretory carrier-associated membrane protein 3	Non-raft	9	142/347	26	6	24	0	50	6	57	6	9.50	2.251	0.018	H
	IPI00306382	SCAMP3	Isoform 1 of Secretory carrier-associated membrane protein 3	Raft	4	51/347	5	0	2	0	7	0						
725	IPI00056310	SCAMP4	Secretory carrier-associated membrane protein 4	Non-raft	3	34/229	11	0	10	0	21	0	21	0	21.00	3.045	0.001	
726	IPI00177968	SCARB1	Isoform 1 of Scavenger receptor class B member 1	Non-raft	11	131/509	13	2	10	1	23	3	26	3	8.67	2.159	0.024	
	IPI00177968	SCARB1	Isoform 1 of Scavenger receptor class B member 1	Raft	2	20/509	2	0	1	0	3	0						
727	IPI00217766	SCARB2	Lysosome membrane protein 2	Non-raft	10	125/478	18	0	8	0	26	0	26	0	26.00	3.258	0.000	
728	IPI00329600	SCCPDH	Probable saccharopine dehydrogenase	Non-raft	2	22/429	2	0	0	0	2	0	2	0	2.00	0.693	0.473	M
729	IPI00165261	SCFD1	Sec1 family domain-containing protein 1	Non-raft	2	30/642	2	1	0	0	2	1	2	1	2.00	0.693	0.473	
730	IPI00410666	SCRIB	Isoform 3 of Protein LAP4	Non-raft	15	212/1655	23	0	9	0	32	0	40	0	40.00	3.689	0.000	H
	IPI00410666	SCRIB	Isoform 3 of Protein LAP4	Raft	4	61/1655	5	0	3	0	8	0						
731	IPI00106642	SDF2L1	Dihydropyrimidinase-like 2	Non-raft	2	26/619	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
732	IPI00305166	SDHA	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor	Non-raft	16	220/668	16	10	8	2	24	12	24	12	2.00	0.693	0.473	
733	IPI00006865	SEC22B	Vesicle-trafficking protein SEC22b	Non-raft	2	30/215	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
734	IPI00218922	SEC63	Translocation protein SEC63 homolog	Non-raft	2	22/760	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
735	IPI00185533	SEH1L	Isoform A of Nucleoporin SEH1-like	Raft	4	49/360	2	1	1	0	3	1	3	1	3.00	1.099	0.275	
736	IPI00153055	SEPT10	Isoform 2 of Septin-10	Non-raft	3	36/503	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
737	IPI00019376	SEPT11	Septin-11	Non-raft	4	40/429	4	1	2	1	6	2	6	2	3.00	1.099	0.275	

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							1st		2nd									
							EXP	CON	EXP	CON								
738	IPI00014177	SEPT2	Septin-2	Non-raft	9	134/361	6	3	6	2	12	5	12	5	2.40	0.875	0.380	
739	IPI00216139	SEPT6	septin 6 isoform A	Non-raft	2	17/427	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
740	IPI00033025	SEPT7	Septin-7	Non-raft	7	108/438	5	1	2	0	7	1	9	2	4.50	1.504	0.130	
	IPI00033025	SEPT7	Septin-7	Raft	3	35/438	2	1	0	0	2	1						
741	IPI00784614	SEPT9	Isoform 1 of Septin-9	Non-raft	12	154/586	11	4	3	2	14	6	16	6	2.67	0.981	0.329	
	IPI00784614	SEPT9	Isoform 1 of Septin-9	Raft	2	22/586	2	0	0	0	2	0						
742	IPI00410693	SERBP1	Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	Raft	3	47/408	3	3	0	0	3	3	3	3	1.00	0.000	0.799	H
743	IPI00413817	SERINC1	Serine incorporator 1	Non-raft	2	30/453	2	0	2	0	4	0	4	0	4.00	1.386	0.165	
744	IPI00553177	SERPINA1	Alpha-1-antitrypsin precursor	Non-raft	2	32/418	0	0	4	5	4	5	4	5	0.80	-0.223	0.871	
745	IPI00033583	SERPINB12	Serpin B12	Non-raft	2	20/405	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
746	IPI00300371	SF3B3	Splicing factor 3B subunit 3	Raft	8	118/1217	7	3	1	0	8	3	8	3	2.67	0.981	0.329	
747	IPI00010740	SFPQ	Isoform Long of Splicing factor, proline- and glutamine-rich	Raft	2	22/707	1	1	0	0	1	1	1	1	1.00	0.000	0.799	M
748	IPI00166444	SFT2D3	Vesicle transport protein SFT2C	Non-raft	2	28/215	1	0	2	0	3	0	3	0	3.00	1.099	0.275	M
749	IPI00009368	SFXN1	Sideroflexin-1	Non-raft	3	46/322	3	1	1	0	4	1	4	1	4.00	1.386	0.165	
750	IPI00002520	SHMT2	Serine hydroxymethyltransferase, mitochondrial precursor	Non-raft	14	182/504	11	9	5	4	16	13	16	13	1.23	0.208	0.715	M
751	IPI00647217	SKIV2L2	Superkiller viralicidic activity 2-like 2	Raft	7	89/1042	6	3	0	0	6	3	6	3	2.00	0.693	0.473	
752	IPI000394753	SLC11A2	Isoform 1 of Natural resistance-associated macrophage protein 2	Non-raft	2	37/561	0	0	2	0	2	0	2	0	2.00	0.693	0.473	
753	IPI00006666	SLC16A3	Monocarboxylate transporter 4	Non-raft	4	64/465	5	0	2	0	7	0	7	0	7.00	1.946	0.044	
754	IPI00375452	SLC19A1	Folate transporter 1	Non-raft	5	91/591	6	0	2	0	8	0	8	0	8.00	2.079	0.030	
755	IPI00019472	SLC1A5	Neutral amino acid transporter B(0)	Non-raft	15	211/541	25	2	16	1	41	3	41	3	13.67	2.615	0.005	
756	IPI00022202	SLC25A3	Isoform A of Phosphate carrier protein, mitochondrial precursor	Non-raft	7	74/362	7	6	4	1	11	7	11	7	1.57	0.452	0.598	H
757	IPI00007188	SLC25A5	ADP/ATP translocase 2	Non-raft	9	89/298	9	2	7	2	16	4	16	4	4.00	1.386	0.165	
758	IPI00291467	SLC25A6	ADP/ATP translocase 3	Non-raft	8	85/298	8	5	8	4	16	9	16	9	1.78	0.575	0.535	H
759	IPI00032107	SLC26A2	Sulfate transporter	Non-raft	10	129/739	9	0	2	0	11	0	15	0	15.00	2.708	0.003	
	IPI00032107	SLC26A2	Sulfate transporter	Raft	4	53/739	4	0	0	0	4	0						
760	IPI00024787	SLC27A2	Very-long-chain acyl-CoA synthetase	Non-raft	2	22/620	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
761	IPI00550382	SLC29A1	Equilibrative nucleoside transporter 1	Non-raft	2	34/535	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
762	IPI00220194	SLC2A1	Solute carrier family 2, facilitated glucose transporter member 1	Non-raft	6	47/492	7	5	6	3	13	8	22	14	1.57	0.452	0.598	
	IPI00220194	SLC2A1	Solute carrier family 2, facilitated glucose transporter member 1	Raft	3	35/492	5	4	4	2	9	6						
763	IPI00179969	SLC2A6	CDNA FLJ90355 fis, clone NT2RP2003469, moderately similar to Solute carrier family 2, facilitated glucose transporter, member 6	Non-raft	3	27/445	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
764	IPI00784764	SLC30A1	solute carrier family 30 (zinc transporter), member 1	Non-raft	4	71/507	5	0	0	0	5	0	5	0	5.00	1.609	0.103	
765	IPI00384867	SLC35B2	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	Non-raft	4	56/392	5	1	5	0	10	1	10	1	10.00	2.303	0.015	M
766	IPI00410034	SLC38A2	Putative 40-9-1 protein	Non-raft	5	74/506	5	1	4	0	9	1	9	1	9.00	2.197	0.021	H
767	IPI00100585	SLC39A1	Zinc transporter ZIP1	Non-raft	2	45/324	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
768	IPI00014236	SLC39A14	KIAA0062 protein	Non-raft	3	45/492	6	2	3	1	9	3	9	3	3.00	1.099	0.275	
769	IPI00027493	SLC3A2	4F2 cell-surface antigen heavy chain	Non-raft	13	175/529	13	7	5	3	18	10	18	10	1.80	0.588	0.528	
770	IPI00221393	SLC44A1	Isoform 1 of Choline transporter-like protein 1	Non-raft	12	151/657	23	0	15	0	38	0	38	0	38.00	3.638	0.000	
771	IPI00293074	SLC44A2	Isoform 2 of Choline transporter-like protein 2	Non-raft	3	34/709	1	0	2	0	3	0	3	0	3.00	1.099	0.275	
772	IPI00043883	SLC46A1	Isoform 1 of Heme carrier protein 1	Non-raft	2	25/459	4	0	0	0	4	0	4	0	4.00	1.386	0.165	
773	IPI00383597	SLC4A2	Isoform A of Anion exchange protein 2	Non-raft	3	36/1241	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
774	IPI00031822	SLC5A6	Sodium-dependent multivitamin transporter	Non-raft	5	67/635	5	0	2	0	7	0	7	0	7.00	1.946	0.044	M
775	IPI00027728	SLC7A1	High-affinity cationic amino acid transporter 1	Non-raft	4	42/629	5	0	3	0	8	0	8	0	8.00	2.079	0.030	M
776	IPI00008986	SLC7A5	Large neutral amino acids transporter small subunit 1	Non-raft	2	32/507	4	2	0	0	4	2	4	2	2.00	0.693	0.473	
777	IPI00385034	SLC9A3R2	Isoform 1 of Na(+)/H(+) exchange regulatory cofactor NHE-RF2	Raft	2	22/337	1	1	0	0	1	1	1	1	1.00	0.000	0.799	

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							1st		2nd									
							EXP	CON	EXP	CON								
778	IPI00100858	SLCO4A1	Isoform 1 of Solute carrier organic anion transporter family member 4A1	Non-raft	4	55/722	5	0	0	0	5	0	5	0	5.00	1.609	0.103	
779	IPI00291939	SMC1A	Structural maintenance of chromosome 1-like 1 protein	Raft	4	30/1233	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
780	IPI00010438	SNAP23	Isoform SNAP-23a of Synaptosomal-associated protein 23	Non-raft	9	130/211	9	0	9	0	18	0	47	1	47.00	3.850	0.000	H
	IPI00010438	SNAP23	Isoform SNAP-23a of Synaptosomal-associated protein 23	Raft	15	179/211	22	1	7	0	29	1						
781	IPI00140420	SND1	Staphylococcal nuclease domain-containing protein 1	Non-raft	10	148/910	6	8	6	4	12	12	38	28	1.36	0.305	0.670	
	IPI00140420	SND1	Staphylococcal nuclease domain-containing protein 1	Raft	24	322/910	19	14	7	2	26	16						
782	IPI00009505	SNTB2	Isoform 1 of Beta-2-syntrophin	Non-raft	2	23/540	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
783	IPI00472939	SPCS2	Signal peptidase complex subunit 2	Non-raft	2	21/227	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
784	IPI00300299	SPCS3	Signal peptidase complex subunit 3	Non-raft	2	21/180	0	1	1	0	1	1	1	1	1.00	0.000	0.799	
785	IPI00012913	SPRY2	SPRY2 protein	Non-raft	2	28/353	2	0	1	0	3	0	3	0	3.00	1.099	0.275	
786	IPI00413728	SPTAN1	Isoform 1 of Spectrin alpha chain, brain	Raft	10	132/2472	10	4	1	0	11	4	11	4	2.75	1.012	0.315	
787	IPI00005745	SPTLC1	Serine palmitoyltransferase 1	Non-raft	4	55/473	5	1	1	1	6	2	6	2	3.00	1.099	0.275	
788	IPI00009634	SQRDL	Sulfide:quinone oxidoreductase, mitochondrial precursor	Non-raft	2	24/450	2	1	2	1	4	2	4	2	2.00	0.693	0.473	
789	IPI00179473	SQSTM1	48 kDa protein	Non-raft	4	72/440	6	4	2	2	8	6	29	26	1.12	0.109	0.757	
	IPI00179473	SQSTM1	48 kDa protein	Raft	8	175/440	16	16	5	4	21	20						
790	IPI00102936	SRP68	Isoform 2 of Signal recognition particle 68 kDa protein	Non-raft	4	67/596	2	2	1	1	3	3	3	3	1.00	0.000	0.799	
791	IPI00290439	SRPK1	Isoform 1 of Serine/threonine-protein kinase SRPK1	Raft	2	18/826	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
792	IPI00019385	SSR4	Hypothetical protein SSR4 (Fragment)	Non-raft	3	31/184	3	1	1	1	4	2	4	2	2.00	0.693	0.473	
793	IPI00012434	STARD3NL	Isoform 1 of MLN64 N-terminal domain homolog	Non-raft	4	46/234	6	0	1	0	7	0	7	0	7.00	1.946	0.044	
794	IPI00005846	STEAP1	Six transmembrane epithelial antigen of prostate 1	Non-raft	2	21/486	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
795	IPI00013894	STIP1	Stress-induced-phosphoprotein 1	Non-raft	5	62/543	2	3	1	1	3	4	3	4	0.75	-0.288	0.888	
796	IPI00219682	STOM	Erythrocyte band 7 integral membrane protein	Non-raft	13	140/288	19	2	28	0	47	2	103	2	51.50	3.942	0.000	H
	IPI00219682	STOM	Erythrocyte band 7 integral membrane protein	Raft	15	188/288	34	0	22	0	56	0						
797	IPI00334190	STOML2	Stomatin-like protein 2	Non-raft	6	118/356	6	1	0	0	6	1	6	1	6.00	1.792	0.067	M
798	IPI00294536	STRAP	Serine-threonine kinase receptor-associated protein	Non-raft	2	33/363	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
799	IPI00297492	STT3A	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	Non-raft	5	57/705	4	3	0	1	4	4	4	4	1.00	0.000	0.799	
800	IPI00293402	STX10	Syntaxin-10	Non-raft	2	39/249	2	0	0	0	2	0	4	0	4.00	1.386	0.165	H
	IPI00293402	STX10	Syntaxin-10	Raft	2	41/249	2	0	0	0	2	0						
801	IPI00026128	STX11	Syntaxin-11	Non-raft	2	18/287	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
802	IPI00013930	STX6	Syntaxin-6	Non-raft	4	83/255	4	0	2	0	6	0	9	0	9.00	2.197	0.021	H
	IPI00013930	STX6	Syntaxin-6	Raft	3	51/255	2	0	1	0	3	0						
803	IPI00289876	STX7	syntaxin 7	Non-raft	2	29/261	1	0	2	0	3	0	3	0	3.00	1.099	0.275	M
804	IPI00009225	STX8	Syntaxin-8	Non-raft	7	91/236	7	0	7	0	14	0	21	0	21.00	3.045	0.001	H
	IPI00009225	STX8	Syntaxin-8	Raft	4	60/236	5	0	2	0	7	0						
805	IPI00297626	STXBP3	Syntaxin-binding protein 3	Non-raft	4	55/592	5	1	1	0	6	1	6	1	6.00	1.792	0.067	
806	IPI00399142	SURF4	Surfeit 4	Non-raft	7	75/188	13	0	11	0	24	0	24	0	24.00	3.178	0.000	H
807	IPI00021302	SUSD2	Sushi domain-containing protein 2 precursor	Non-raft	5	71/822	2	4	1	0	3	4	3	4	0.75	-0.288	0.888	
808	IPI00018140	SYNCRIP	Isoform 1 of Heterogeneous nuclear ribonucleoprotein Q	Non-raft	3	34/623	2	2	1	0	3	2	12	10	1.20	0.182	0.726	
	IPI00018140	SYNCRIP	Isoform 1 of Heterogeneous nuclear ribonucleoprotein Q	Raft	5	57/623	6	5	3	3	9	8						
809	IPI00297910	TACSTD2	Tumor-associated calcium signal transducer 2 precursor	Non-raft	3	38/323	3	4	0	0	3	4	3	4	0.75	-0.288	0.888	
810	IPI00550363	TAGLN2	Transgelin-2	Non-raft	4	65/199	2	0	1	1	3	1	3	1	3.00	1.099	0.275	
811	IPI00002232	TAOK1	Isoform 1 of Serine/threonine-protein kinase TAO1	Raft	2	21/1001	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
812	IPI00646625	TAP1	transporter 1, ATP-binding cassette, sub-family B	Non-raft	3	51/808	3	0	1	0	4	0	4	0	4.00	1.386	0.165	H
813	IPI00001382	TAP2	transporter 2, ATP-binding cassette, sub-family B isoform 2	Non-raft	2	19/653	1	0	1	0	2	0	2	0	2.00	0.693	0.473	
814	IPI00329633	TARS	Theonyl-tRNA synthetase, cytoplasmic	Non-raft	10	123/723	9	4	1	2	10	6	10	6	1.67	0.511	0.568	
815	IPI00333215	TCEA1	Isoform 1 of Transcription elongation factor A protein 1	Non-raft	2	26/301	2	0	0	0	2	0	2	0	2.00	0.693	0.473	



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							1st		2nd									
							EXP	CON	EXP	CON								
816	IPI00290566	TCP1	T-complex protein 1 subunit alpha	Non-raft	12	180/556	11	5	5	0	16	5	16	5	3.20	1.163	0.248	
817	IPI00022462	TFRC	Transferrin receptor protein 1	Non-raft	43	453/760	87	10	51	4	138	14	182	17	10.71	2.371	0.012	H
	IPI00022462	TFRC	Transferrin receptor protein 1	Raft	20	266/760	28	0	16	3	44	3						
818	IPI00294578	TGM2	Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	Non-raft	13	206/687	14	14	7	8	21	22	21	22	0.95	-0.047	0.816	
819	IPI00300376	TGM3	Protein-glutamine gamma-glutamyltransferase E precursor	Non-raft	4	71/693	0	4	0	1	0	5	1	6	0.17	-1.792	0.999	
	IPI00300376	TGM3	Protein-glutamine gamma-glutamyltransferase E precursor	Raft	2	26/693	1	1	0	0	1	1						
820	IPI00010737	THBD	Thrombomodulin precursor	Non-raft	2	21/575	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
821	IPI00296099	THBS1	Thrombospondin-1 precursor	Non-raft	3	38/1170	0	3	0	0	0	3	0	3	0.33	-1.099	0.988	
822	IPI00305374	THOC1	THO complex subunit 1	Raft	10	127/657	8	6	1	0	9	6	9	6	1.50	0.405	0.621	
823	IPI00063729	THOC3	THO complex subunit 3	Raft	2	20/378	1	1	1	0	2	1	2	1	2.00	0.693	0.473	
824	IPI00301252	THOC6	Isoform 3 of THO complex subunit 6 homolog	Raft	7	108/296	5	3	1	1	6	4	6	4	1.50	0.405	0.621	
825	IPI00306516	TIMM44	Import inner membrane translocase subunit TIM44, mitochondrial precursor	Non-raft	2	25/452	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
826	IPI00643920	TKT	Transketolase	Non-raft	11	141/631	8	8	6	2	14	10	14	10	1.40	0.336	0.655	
827	IPI00298994	TLN1	271 kDa protein	Non-raft	8	125/2541	2	5	1	2	3	7	6	7	0.86	-0.154	0.851	
	IPI00298994	TLN1	271 kDa protein	Raft	3	45/2541	3	0	0	0	3	0						
828	IPI00021985	TM9SF4	Transmembrane 9 superfamily protein member 4	Non-raft	2	33/642	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
829	IPI00009976	TMED1	Transmembrane emp24 domain-containing protein 1 precursor	Non-raft	4	48/227	5	0	2	0	7	0	7	0	7.00	1.946	0.044	M
830	IPI00028055	TMED10	Transmembrane emp24 domain-containing protein 10 precursor	Non-raft	2	21/219	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
831	IPI00170706	TMEM2	Transmembrane protein 2	Non-raft	10	128/1383	9	4	4	0	13	4	13	4	3.25	1.179	0.242	
832	IPI00299084	TMEM33	Transmembrane protein 33	Non-raft	3	38/247	4	1	4	2	8	3	8	3	2.67	0.981	0.329	
833	IPI00000612	TMEM50A	Transmembrane protein 50A	Raft	2	19/157	7	0	2	0	9	0	9	0	9.00	2.197	0.021	
834	IPI00030530	TMEM55B	Isoform 1 of Transmembrane protein 55B	Non-raft	2	33/277	2	0	0	0	2	0	6	0	6.00	1.792	0.067	M
	IPI00030530	TMEM55B	Isoform 1 of Transmembrane protein 55B	Raft	4	54/277	4	0	0	0	4	0						
835	IPI00399320	TMEM59	Transmembrane protein 59	Non-raft	2	26/323	2	0	2	0	4	0	7	0	7.00	1.946	0.044	
	IPI00399320	TMEM59	Transmembrane protein 59	Raft	2	28/323	2	0	1	0	3	0						
836	IPI00006006	TMEM63A	Transmembrane protein 63A	Non-raft	5	49/807	4	0	1	0	5	0	5	0	5.00	1.609	0.103	M
837	IPI00514538	TMEM63B	transmembrane protein 63B	Non-raft	4	43/832	2	0	2	0	4	0	9	0	9.00	2.197	0.021	
	IPI00514538	TMEM63B	transmembrane protein 63B	Raft	5	54/832	5	0	0	0	5	0						
838	IPI00216230	TMPO	Lamina-associated polypeptide 2 isoform alpha	Raft	6	101/694	3	4	0	0	3	4	3	4	0.75	-0.288	0.888	
839	IPI00304866	TNFAIP2	Tumor necrosis factor, alpha-induced protein 2	Non-raft	6	78/654	5	0	2	0	7	0	7	0	7.00	1.946	0.044	
840	IPI00021975	TNFRSF10A	Tumor necrosis factor receptor superfamily member 10A precursor	Non-raft	8	99/468	18	1	15	0	33	1	35	1	35.00	3.555	0.000	
	IPI00021975	TNFRSF10A	Tumor necrosis factor receptor superfamily member 10A precursor	Raft	2	26/468	2	0	0	0	2	0						
841	IPI00296379	TNFRSF10B	Isoform Long of Tumor necrosis factor receptor superfamily member 10B precursor	Non-raft	5	85/440	10	1	6	0	16	1	27	1	27.00	3.296	0.000	
	IPI00296379	TNFRSF10B	Isoform Long of Tumor necrosis factor receptor superfamily member 10B precursor	Raft	5	79/440	6	0	5	0	11	0						
842	IPI00294516	TNFRSF10D	Tumor necrosis factor receptor superfamily member 10D precursor	Non-raft	2	41/386	5	0	1	0	6	0	6	0	6.00	1.792	0.067	
843	IPI00304589	TNKS1BP1	182 kDa tankyrase 1-binding protein	Raft	5	85/1729	2	3	0	0	2	3	2	3	0.67	-0.405	0.914	
844	IPI00169434	TNRC15	Hypothetical protein DKFZp686O20169	Raft	2	33/1299	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
845	IPI00014053	TOMM40	Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	Non-raft	2	17/361	2	0	1	0	3	0	3	0	3.00	1.099	0.275	H
846	IPI00015602	TOMM70A	Mitochondrial precursor proteins import receptor	Non-raft	4	49/608	4	3	1	1	5	4	5	4	1.25	0.223	0.708	
847	IPI00009111	TPBG	Trophoblast glycoprotein precursor	Non-raft	8	100/420	16	2	10	1	26	3	28	3	9.33	2.234	0.019	
	IPI00009111	TPBG	Trophoblast glycoprotein precursor	Raft	2	33/420	0	0	2	0	2	0						
848	IPI00465028	TPI1	Triosephosphate isomerase 1 variant	Non-raft	13	165/286	14	9	3	1	17	10	17	10	1.70	0.531	0.558	
849	IPI00178083	TPM3	29 kDa protein	Non-raft	5	42/224	4	4	0	1	4	5	7	6	1.17	0.154	0.738	
	IPI00178083	TPM3	29 kDa protein	Raft	3	34/224	2	1	1	0	3	1						

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							1st		2nd									
							EXP	CON	EXP	CON								
850	IPI00030275	TRAP1	Heat shock protein 75 kDa, mitochondrial precursor	Non-raft	6	78/704	4	6	2	3	6	9	6	9	0.67	-0.405	0.914	H
851	IPI00004324	TRAPPC3	Trafficking protein particle complex subunit 3	Non-raft	3	36/180	4	0	8	0	12	0	19	0	19.00	2.944	0.001	
	IPI00004324	TRAPPC3	Trafficking protein particle complex subunit 3	Raft	3	36/180	5	0	2	0	7	0						
852	IPI00029629	TRIM25	Tripartite motif-containing protein 25	Non-raft	4	54/630	3	2	2	1	5	3	16	9	1.78	0.575	0.535	
	IPI00029629	TRIM25	Tripartite motif-containing protein 25	Raft	9	119/630	8	5	3	1	11	6						
853	IPI00438229	TRIM28	tripartite motif-containing 28 protein	Non-raft	6	84/835	2	2	0	2	2	4	3	5	0.60	-0.511	0.934	
	IPI00438229	TRIM28	tripartite motif-containing 28 protein	Raft	2	23/835	1	1	0	0	1	1						
854	IPI00165394	TSPAN14	Isoform 2 of Tetraspanin-14	Non-raft	2	28/253	1	0	3	0	4	0	4	0	4.00	1.386	0.165	
855	IPI00000736	TSPAN15	Tetraspanin-15	Non-raft	2	32/294	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
856	IPI00024174	TSPAN4	Tetraspanin-4	Non-raft	2	33/238	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
857	IPI00027437	TSPAN9	Tetraspanin-9	Non-raft	2	29/239	2	0	3	0	5	0	5	0	5.00	1.609	0.103	
858	IPI00023283	TTN	Isoform 2 of Titin	Raft	2	17/34258	2	0	0	0	2	0	2	0	2.00	0.693	0.473	M
859	IPI00877061	TTYH3	Isoform 3 of protein tweety homolog 3	Non-raft	2	29/352	5	0	5	0	10	0	10	0	10.00	2.303	0.015	
860	IPI00180675	TUBA1A	Tubulin alpha-3 chain	Non-raft	16	219/451	11	8	10	10	21	18	21	18	1.17	0.154	0.738	
861	IPI00387144	TUBA1B	Tubulin alpha-ubiquitous chain	Non-raft	17	233/451	17	14	15	14	32	28	48	36	1.33	0.288	0.678	
	IPI00387144	TUBA1B	Tubulin alpha-ubiquitous chain	Raft	8	127/451	11	6	5	2	16	8						
862	IPI00218343	TUBA1C	Tubulin alpha-6 chain	Non-raft	16	216/449	15	13	15	12	30	25	42	31	1.35	0.304	0.671	
	IPI00218343	TUBA1C	Tubulin alpha-6 chain	Raft	5	84/449	7	4	5	2	12	6						
863	IPI00007750	TUBA4A	Tubulin alpha-1 chain	Non-raft	11	160/448	15	8	0	0	15	8	15	8	1.88	0.629	0.507	
864	IPI00646909	TUBA8	Tubulin alpha-8 chain	Non-raft	9	130/449	10	7	11	6	21	13	21	13	1.62	0.480	0.584	
865	IPI00011654	TUBB	Tubulin beta-2 chain	Non-raft	20	293/444	20	19	17	11	37	30	51	46	1.11	0.103	0.759	
	IPI00011654	TUBB	Tubulin beta-2 chain	Raft	12	165/444	7	10	7	6	14	16						
866	IPI00013475	TUBB2A	tubulin, beta 2	Non-raft	16	127/445	11	10	11	8	22	18	22	18	1.22	0.201	0.718	
867	IPI00007752	TUBB2C	Tubulin beta-2C chain	Non-raft	19	283/445	18	17	13	10	31	27	31	27	1.15	0.138	0.745	
868	IPI00013683	TUBB3	Tubulin beta-3 chain	Non-raft	7	71/450	6	9	0	0	6	9	6	9	0.67	-0.405	0.914	
869	IPI00641706	TUBB6	46 kDa protein	Non-raft	7	76/409	5	4	0	0	5	4	5	4	1.25	0.223	0.708	
870	IPI00027107	TUFM	Tu translation elongation factor, mitochondrial	Non-raft	3	38/455	3	1	1	1	4	2	4	2	2.00	0.693	0.473	M
871	IPI00470779	TXLNA	Alpha-taxilin	Raft	3	38/546	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
872	IPI00395887	TXNDC1	Thioredoxin domain-containing protein 1 precursor	Non-raft	10	102/280	21	3	30	2	51	5	68	5	13.60	2.610	0.005	H
	IPI00395887	TXNDC1	Thioredoxin domain-containing protein 1 precursor	Raft	7	73/280	8	0	9	0	17	0						
873	IPI00064193	TXNDC10	Isoform 1 of Protein disulfide-isomerase TXNDC10 precursor	Non-raft	8	131/454	6	1	8	0	14	1	14	1	14.00	2.639	0.005	H
874	IPI00329596	TXNDC14	CDNA PSEC0045 fis, clone NT2RP1001023	Non-raft	2	27/371	2	0	1	1	3	1	3	1	3.00	1.099	0.275	
875	IPI00171438	TXNDC5	Thioredoxin domain-containing protein 5 precursor	Non-raft	3	34/432	3	2	1	1	4	3	5	5	1.00	0.000	0.799	
	IPI00171438	TXNDC5	Thioredoxin domain-containing protein 5 precursor	Raft	3	19/432	1	0	0	2	1	2						
876	IPI00554786	TXNRD1	Thioredoxin reductase 1, cytoplasmic precursor	Non-raft	13	185/499	10	6	6	4	16	10	16	10	1.60	0.470	0.589	
877	IPI00157820	TXNRD2	Isoform 2 of Thioredoxin reductase 2, mitochondrial precursor	Non-raft	2	30/522	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
878	IPI00000684	UAP1	Isoform AGX2 of UDP-N-acetylhexosamine pyrophosphorylase	Non-raft	2	26/522	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
879	IPI00645078	UBA1	Ubiquitin-activating enzyme E1	Non-raft	22	373/1058	22	5	12	1	34	6	34	6	5.67	1.735	0.077	
880	IPI00023234	UBA2	Ubiquitin-like 1-activating enzyme E1B	Non-raft	5	66/640	4	0	1	0	5	0	5	0	5.00	1.609	0.103	
881	IPI00003949	UBE2N	Ubiquitin-conjugating enzyme E2 N	Non-raft	2	30/152	2	0	2	0	4	0	6	0	6.00	1.792	0.067	
	IPI00003949	UBE2N	Ubiquitin-conjugating enzyme E2 N	Raft	2	30/152	2	0	0	0	2	0						
882	IPI00026669	UBL3	Ubiquitin-like protein 3 precursor	Non-raft	3	26/117	4	0	2	0	6	0	6	0	6.00	1.792	0.067	
883	IPI00017227	UBTD1	Ubiquitin domain-containing protein 1	Non-raft	3	35/227	2	0	1	0	3	0	15	0	15.00	2.708	0.003	
	IPI00017227	UBTD1	Ubiquitin domain-containing protein 1	Raft	8	79/227	9	0	3	0	12	0						
884	IPI00157729	UBTD2	Ubiquitin domain-containing protein 2	Raft	3	35/234	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
885	IPI00172656	UBXD8	UBX domain-containing protein 8	Non-raft	4	59/445	2	1	3	2	5	3	5	3	1.67	0.511	0.568	
886	IPI00018352	UCHL1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	Non-raft	5	72/223	4	0	3	0	7	0	7	0	7.00	1.946	0.044	
887	IPI00031420	UGDH	UDP-glucose 6-dehydrogenase	Non-raft	12	165/494	12	5	5	4	17	9	17	9	1.89	0.636	0.503	

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							1st		2nd									
							EXP	CON	EXP	CON								
888	IPI00034049	UPF1	Isoform 1 of Regulator of nonsense transcripts 1	Raft	7	85/1129	7	1	0	0	7	1	7	1	7.00	1.946	0.044	
889	IPI00004406	UPP1	Isoform 1 of Uridine phosphorylase 1	Non-raft	2	30/310	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
890	IPI00013847	UQCRC1	Ubiquinol-cytochrome-c reductase complex core protein I, mitochondrial precursor	Non-raft	2	24/480	1	2	0	0	1	2	1	2	0.50	-0.693	0.959	
891	IPI00291946	USP10	Ubiquitin carboxyl-terminal hydrolase 10	Raft	6	105/798	4	2	3	2	7	4	7	4	1.75	0.560	0.543	
892	IPI00219913	USP14	Ubiquitin carboxyl-terminal hydrolase 14	Non-raft	2	24/494	1	1	0	1	1	2	1	2	0.50	-0.693	0.959	
893	IPI00549343	VAMP3	Vesicle-associated membrane protein 3	Non-raft	9	77/100	14	0	17	0	31	0	40	0	40.00	3.689	0.000	H
	IPI00549343	VAMP3	Vesicle-associated membrane protein 3	Raft	5	41/100	5	0	4	0	9	0						
894	IPI00219648	VAMP4	Isoform 2 of Vesicle-associated membrane protein 4	Non-raft	3	34/140	2	0	3	0	5	0	5	0	5.00	1.609	0.103	H
895	IPI00013236	VAMP7	Isoform 2 of Synaptobrevin-like protein 1	Non-raft	7	109/260	3	0	8	0	11	0	11	0	11.00	2.398	0.011	
896	IPI00031195	VANGL1	Isoform 1 of Vang-like protein 1	Non-raft	8	139/524	7	0	2	0	9	0	16	0	16.00	2.773	0.003	H
	IPI00031195	VANGL1	Isoform 1 of Vang-like protein 1	Raft	6	99/524	4	0	3	0	7	0						
897	IPI00170692	VAPA	vesicle-associated membrane protein-associated protein A isoform 2	Non-raft	3	30/249	2	1	1	0	3	1	5	2	2.50	0.916	0.360	M
	IPI00170692	VAPA	vesicle-associated membrane protein-associated protein A isoform 2	Raft	2	14/249	2	1	0	0	2	1						
898	IPI00006211	VAPB	VAMP-associated protein B/C	Non-raft	2	28/243	1	1	0	0	1	1	1	1	1.00	0.000	0.799	
899	IPI00000873	VAR5	Valyl-tRNA synthetase	Non-raft	9	121/1264	6	4	2	2	8	6	8	6	1.33	0.288	0.678	
900	IPI00156689	VAT1	Synaptic vesicle membrane protein VAT-1 homolog	Non-raft	6	86/393	4	3	1	2	5	5	5	5	1.00	0.000	0.799	
901	IPI00022774	VCP	Transitional endoplasmic reticulum ATPase	Non-raft	34	398/806	30	31	21	16	51	47	53	49	1.08	0.078	0.769	
	IPI00022774	VCP	Transitional endoplasmic reticulum ATPase	Raft	3	37/806	2	2	0	0	2	2						
902	IPI00216308	VDAC1	Voltage-dependent anion-selective channel protein 1	Non-raft	10	128/283	12	10	4	6	16	16	16	16	1.00	0.000	0.799	
903	IPI00216026	VDAC2	Isoform 3 of Voltage-dependent anion-selective channel protein 2	Non-raft	13	192/294	20	12	10	7	30	19	32	21	1.52	0.421	0.613	
	IPI00216026	VDAC2	Isoform 3 of Voltage-dependent anion-selective channel protein 2	Raft	3	32/294	2	1	0	1	2	2						
904	IPI00031804	VDAC3	Isoform 1 of Voltage-dependent anion-selective channel protein 3	Non-raft	10	108/283	8	7	9	3	17	10	17	10	1.70	0.531	0.558	
905	IPI00418471	VIM	Vimentin	Raft	15	195/466	19	7	3	1	22	8	22	8	2.75	1.012	0.315	H
906	IPI00024273	VDLDR	Isoform Long of Very low-density lipoprotein receptor precursor	Non-raft	2	25/873	0	2	0	0	0	2	0	2	0.50	-0.693	0.959	
907	IPI00018931	VPS35	Vacuolar protein sorting-associated protein 35	Non-raft	2	23/796	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
908	IPI00746165	WDR1	WD repeat-containing protein 1 isoform 1	Non-raft	3	42/606	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
909	IPI00220834	XRCC5	ATP-dependent DNA helicase 2 subunit 2	Non-raft	11	142/732	9	2	2	1	11	3	34	17	2.00	0.693	0.473	
	IPI00220834	XRCC5	ATP-dependent DNA helicase 2 subunit 2	Raft	16	201/732	18	12	5	2	23	14						
910	IPI00465430	XRCC6	70 kDa protein	Non-raft	8	101/609	7	4	1	1	8	5	16	7	2.29	0.827	0.405	
	IPI00465430	XRCC6	70 kDa protein	Raft	8	116/609	6	0	2	2	8	2						
911	IPI00657645	XRN1	Isoform 2 of 5'-3' exoribonuclease 1	Raft	3	30/1694	2	2	0	0	2	2	2	2	1.00	0.000	0.799	
912	IPI00386208	YA61	Gastric-associated differentially-expressed protein YA61P	Non-raft	14	138/136	106	58	100	47	206	105	206	105	1.96	0.674	0.483	
913	IPI00013981	YES1	Proto-oncogene tyrosine-protein kinase Yes	Non-raft	17	221/543	16	3	13	2	29	5	79	11	7.18	1.972	0.041	M
	IPI00013981	YES1	Proto-oncogene tyrosine-protein kinase Yes	Raft	26	342/543	30	4	20	2	50	6						
914	IPI00216318	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	Non-raft	5	75/246	4	1	0	0	4	1	4	1	4.00	1.386	0.165	
915	IPI00000816	YWHAE	14-3-3 protein epsilon	Non-raft	3	35/255	4	0	0	0	4	0	6	0	6.00	1.792	0.067	
	IPI00000816	YWHAE	14-3-3 protein epsilon	Raft	2	23/255	2	0	0	0	2	0						
916	IPI00220642	YWHAG	14-3-3 protein gamma	Non-raft	5	64/247	5	1	0	0	5	1	7	1	7.00	1.946	0.044	M
	IPI00220642	YWHAG	14-3-3 protein gamma	Raft	2	25/247	2	0	0	0	2	0						
917	IPI00216319	YWHAH	14-3-3 protein eta	Non-raft	2	25/246	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
918	IPI00018146	YWHAQ	14-3-3 protein theta	Non-raft	3	31/245	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
919	IPI00021263	YWHAZ	14-3-3 protein zeta/delta	Non-raft	5	68/245	5	2	0	0	5	2	8	3	2.67	0.981	0.329	
	IPI00021263	YWHAZ	14-3-3 protein zeta/delta	Raft	3	35/245	3	1	0	0	3	1						
920	IPI00332936	ZC3HAV1	Isoform 2 of Zinc finger CCCH type antiviral protein 1	Non-raft	3	40/699	3	0	0	0	3	0	11	7	1.57	0.452	0.598	

No.	Acc.Number	Gene Symbol	Description	Fraction	Uni. Pep.	Sequence Coverage	Biological Replicates				Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Imputed	Ln(EXP/CON imputed)	P-value	17-ODYA
							1st		2nd									
							EXP	CON	EXP	CON								
	IPI00332936	ZC3HAV1	Isoform 2 of Zinc finger CCCH type antiviral protein 1	Raft	8	132/699	7	7	1	0	8	7						
921	IPI00062698	ZDHHC12	Isoform 1 of Probable palmitoyltransferase ZDHHC12	Non-raft	2	22/267	1	0	2	0	3	0	5	0	5.00	1.609	0.103	
	IPI00062698	ZDHHC12	Isoform 1 of Probable palmitoyltransferase ZDHHC12	Raft	2	22/267	1	0	1	0	2	0						
922	IPI00410663	ZDHHC13	Isoform 1 of Probable palmitoyltransferase ZDHHC13	Non-raft	2	25/622	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
923	IPI00410687	ZDHHC17	Huntingtin interacting protein 14	Non-raft	2	18/632	2	0	0	0	2	0	2	0	2.00	0.693	0.473	
924	IPI00398974	ZDHHC20	Isoform 1 of Probable palmitoyltransferase ZDHHC20	Non-raft	6	73/365	9	0	2	0	11	0	14	0	14.00	2.639	0.005	
	IPI00398974	ZDHHC20	Isoform 1 of Probable palmitoyltransferase ZDHHC20	Raft	2	38/365	3	0	0	0	3	0						
925	IPI00328272	ZDHHC5	Isoform 1 of Probable palmitoyltransferase ZDHHC5	Non-raft	10	151/715	9	0	3	0	12	0	18	0	18.00	2.890	0.002	
	IPI00328272	ZDHHC5	Isoform 1 of Probable palmitoyltransferase ZDHHC5	Raft	4	69/715	4	0	2	0	6	0						
926	IPI00008350	ZDHHC6	Isoform 1 of Probable palmitoyltransferase ZDHHC6	Non-raft	2	20/413	3	0	0	0	3	0	3	0	3.00	1.099	0.275	
927	IPI00333858	ZFR	117 kDa protein	Raft	2	26/1079	3	1	0	0	3	1	3	1	3.00	1.099	0.275	
928	IPI00020513	ZYX	67 kDa protein	Non-raft	2	35/632	2	1	0	0	2	1	2	1	2.00	0.693	0.473	

**Note 1.** No. = Number (see the 1st column)

**Note 2.** Proteins were assorted according to the Gene Symbols (see the 3rd column).

**Note 3.** High-confidence S-acylated candidates were highlighted with yellow; medium-confidence S-acylated candidates with orange; high-confidence false-positive candidates with cyan; medium-confidence false-positive candidates with light pink (see the 2nd to 4th columns).

**Note 4.** Uni. Pep. = Unique Peptides (see the 6th column)

**Note 5.** A value of 1 was substituted for spectral counts of 0 so that the EXP/CON ratios and log-ratios ln(EXP/CON) can be calculated (see the 16th and 17th columns).

**Note 6.** Candidate S-acylated proteins with high (H) or medium (M) confidence (PMID: 19137006) (see the 19th column).

**Note 7:** S-acylated proteins were purified from 1.25 mg non-raft and 1.25 mg raft samples.

**Table S2. High-confidence candidate S-acylated proteins.**

Acc.Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protein Family	Other Evidence
IPI00065486	ABCB6	CDNA FLJ32464 fis, clone SKNMC1000251, highly similar to Homo sapiens MT-ABC transporter (MTABC) mRNA	0.005					
IPI00006675	ABCC4	Multidrug resistance-associated protein 4	0.044					
IPI00029606	ADAM17	Isoform B of ADAM 17 precursor	0.030					
IPI00103467	ALDH1B1	Aldehyde dehydrogenase X, mitochondrial precursor	0.015				ALDH	<a href="#">8120000</a>
IPI00018031	ALDH3B1	Isoform 1 of Aldehyde dehydrogenase 3B1	0.002				ALDH	<a href="#">8120000</a>
IPI00030431	ANTXR1	Isoform 1 of Anthrax toxin receptor 1 precursor	0.000	<a href="#">16401723</a>		M		
IPI00005163	ARL15	ARFRP2 protein	0.044			M		
IPI00255653	ATP11A	Probable phospholipid-transporting ATPase IH	0.015					
IPI00240793	ATP11B	Probable phospholipid-transporting ATPase IF	0.030			M		
IPI00001891	AUP1	Isoform Long of Ancient ubiquitous protein 1 precursor	0.011			H		
IPI00033075	BAT5	Protein BAT5	0.044			H		
IPI00002406	BCAM	Lutheran blood group glycoprotein precursor	0.003					
IPI00016670	C11orf59	FLJ20625 protein	0.000			H		
IPI00006980	C14orf166	Protein C14orf166	0.011					
IPI00166051	C14orf24	Uncharacterized protein C14orf24	0.030					
IPI00303401	C1orf75	FLJ10874 protein	0.030			M		
IPI00550440	C2orf18	Uncharacterized protein C2orf18 precursor	0.011					
IPI00020984	CANX	Calnexin precursor	0.010		<a href="#">18350545</a>	mouse	H	
IPI00514301	CASK	Peripheral plasma membrane protein CASK	0.030					
IPI00009236	CAV1	Caveolin 1	0.000	<a href="#">11451957</a>			Caveolin	
IPI00019870	CAV2	Isoform Alpha of Caveolin-2	0.015				Caveolin	
IPI00334743	CCNY	Isoform 2 of Cyclin fold protein 1	0.021			H		
IPI00298851	CD151	CD151 antigen	0.006	<a href="#">11907260</a>			Tetraspanin	
IPI00297160	CD44	CD44 antigen isoform 4 precursor	0.001	<a href="#">16945930</a>				
IPI00215998	CD63	CD63 antigen	0.013	<a href="#">11959120</a>				
IPI00031713	CD70	Tumor necrosis factor ligand superfamily member 7	0.002				TNF receptor	<a href="#">17159908</a>
IPI00000190	CD81	CD81 antigen	0.000	<a href="#">11959120</a>		M	Tetraspanin	
IPI00215997	CD9	CD9 antigen	0.000	<a href="#">11959120</a>			Tetraspanin	
IPI00290039	CDCP1	Isoform 1 of CUB domain-containing protein 1 precursor	0.003					
IPI00141318	CKAP4	Isoform 1 of Cytoskeleton-associated protein 4	0.000	<a href="#">18296695</a>				
IPI00007364	CLDN3	Claudin-3	0.030				Claudin	<a href="#">15769849</a>
IPI00072743	CLDND1	Isoform 1 of Claudin domain-containing protein 1	0.030					
IPI00011284	COMT	Isoform Membrane-bound of Catechol O-methyltransferase	0.021					
IPI00181294	CSNK1G3	Isoform 1 of Casein kinase I isoform gamma-3	0.008			M	Casein kinase	<a href="#">14668479</a>
IPI00009633	CTDSP1	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	0.005			M		
IPI00182469	CTNND1	Isoform 1AB of Catenin delta-1	0.000		<a href="#">19092927</a>	rat		
IPI00019146	CXADR	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	0.000	<a href="#">12021372</a>				
IPI00385987	DAGLB	Isoform 1 of Sn1-specific diacylglycerol lipase beta	0.011			H		
IPI00217282	DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3	0.001					
IPI00023780	DNAJC5	Isoform 2 of DnaJ homolog subfamily C member 5	0.015		<a href="#">9761715</a>	rat	M	
IPI00402231	DNAJC5	Isoform 1 of DnaJ homolog subfamily C member 5	0.021		<a href="#">9761715</a>	rat	M	
IPI00028931	DSG2	desmoglein 2 preproprotein	0.001			M		
IPI00216760	ECE1	Isoform C of Endothelin-converting enzyme 1	0.000	<a href="#">10359648</a>				
IPI00470711	EFR3A	Hypothetical protein DKFZp781J0562	0.001					
IPI00033143	EIF3K	Eukaryotic translation initiation factor 3 subunit 12	0.030					
IPI00010187	ELOVL1	Elongation of very long chain fatty acids protein 1	0.015					Fatty acid elongation

Acc.Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protein Family	Other Evidence
IPI00438286	ERBB2IP	Isoform 1 of Protein LAP2	0.000	<a href="#">18498353</a>		H		
IPI00010338	F3	Tissue factor precursor	0.030	<a href="#">3166978</a>				
IPI00412592	FAM108B1	chromosome 9 open reading frame 77 isoform 2	0.005			H		
IPI00303318	FAM49B	Protein FAM49B	0.000			H		
IPI00027438	FLOT1	Flotillin-1	0.001		<a href="#">12370178</a> mouse	H		
IPI00029625	FLOT2	Flotillin-2	0.000		<a href="#">14599293</a> rat	H		
IPI00217952	GFPT1	Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	0.006					
IPI00305551	GNA11	Guanine nucleotide-binding protein subunit alpha-11	0.000	<a href="#">9175863</a>		H	G protein alpha	
IPI00328744	GNA12	Guanine nucleotide-binding protein alpha-12 subunit	0.002	<a href="#">9485474</a>			G protein alpha	
IPI00290928	GNA13	Guanine nucleotide-binding protein alpha-13 subunit	0.000	<a href="#">10747909</a>		H	G protein alpha	
IPI00337415	GNAI1	Guanine nucleotide-binding protein G(i), alpha-1 subunit	0.001		<a href="#">8484716</a> Rat		G protein alpha	
IPI00748145	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.021		<a href="#">8484716</a> Rat	H	G protein alpha	
IPI00220578	GNAI3	Guanine nucleotide-binding protein G(k) subunit alpha	0.026			H	G protein alpha	<a href="#">8484716</a>
IPI00288947	GNAQ	Guanine nucleotide binding protein	0.000	<a href="#">8227063</a>		H	G protein alpha	
IPI00219835	GNAS	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	0.007		<a href="#">8484716</a> Rat	H	G protein alpha	
IPI00514055	GNAS	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	0.007		<a href="#">8484716</a> Rat	H	G protein alpha	
IPI00644936	GNAS	Guanine nucleotide-binding protein G-s-alpha-3	0.000		<a href="#">8484716</a> Rat	H	G protein alpha	
IPI00480022	GOLGA7	Isoform 1 of Golgin subfamily A member 7	0.000	<a href="#">14522980</a>		H		
IPI00004962	GOLIM4	golgi phosphoprotein 4	0.006					
IPI00027497	GPI	Glucose-6-phosphate isomerase	0.021					
IPI00217481	GPR126	Developmentally regulated G-protein-coupled receptor beta 1	0.003				GPCR	<a href="#">15250498</a>
IPI00022624	GPRC5A	Retinoic acid-induced protein 3	0.000					
IPI00099883	GPRC5C	G-protein coupled receptor family C group 5 member C precursor	0.021				GPCR	<a href="#">15250498</a>
IPI00008475	HMGCS1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	0.006					azidopalmitate labeling <a href="#">17971398</a>
IPI00000006	HRAS	GTPase HRas precursor	0.001	<a href="#">10504264</a>		H		
IPI00017726	HSD17B10	hydroxyacyl-Coenzyme A dehydrogenase, type II isoform 1	0.030			M		azidopalmitate labeling <a href="#">17971398</a>
IPI00027422	ITGB4	Isoform Beta-4C of Integrin beta-4 precursor	0.002	<a href="#">14517202</a>				
IPI00016014	ITM2C	Isoform 1 of Integral membrane protein 2C	0.005					
IPI00029046	KIAA0152	Protein KIAA0152 precursor	0.028			H		
IPI00423568	KRAS	Isoform 2A of GTPase KRas	0.006	<a href="#">3023817</a>		H		
IPI00014172	LAPTM4A	Lysosomal-associated transmembrane protein 4A	0.006					
IPI00221240	LNPEP	Isoform 2 of Leucyl-cystinyl aminopeptidase	0.001			H		
IPI00427739	LRRC1	Isoform 1 of Leucine-rich repeat-containing protein 1	0.000			M		
IPI00409640	LSR	Isoform 1 of Lipolysis-stimulated lipoprotein receptor	0.000					Cystein-rich domain
IPI00298625	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	0.001	<a href="#">10669752</a>				
IPI00016334	MCAM	Isoform 1 of Cell surface glycoprotein MUC18 precursor	0.006					
IPI00395906	MGC59937	Similar to RIKEN cDNA 2310002J15 gene	0.021					
IPI00218398	MMP14	Matrix metalloproteinase-14 precursor	0.011	<a href="#">15946988</a>				
IPI00174976	MPP5	Isoform 1 of MAGUK p55 subfamily member 5	0.021				MAGUK p55	<a href="#">1713685</a>
IPI00303280	MPP6	MAGUK p55 subfamily member 6	0.001			M	MAGUK p55	<a href="#">1713685</a>
IPI00328715	MTDH	Protein LYRIC	0.000			H		
IPI00385172	MUC1	Mucin 1, transmembrane	0.001	<a href="#">16507569</a>				
IPI00012069	NQO1	NAD(P)H dehydrogenase [quinone] 1	0.044					
IPI00000005	NRAS	GTPase NRas precursor	0.000	<a href="#">2661017</a>				

Acc.Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protein Family	Other Evidence
IPI00299594	NRP1	Isoform 1 of Neuropilin-1 precursor	0.000					
IPI00017231	NRSN2	Protein C20orf98	0.030					
IPI00022674	OSMR	oncostatin M receptor	0.002					
IPI00329572	PACSIN3	49 kDa protein	0.000					
IPI00301023	PALM	Isoform 1 of Paralemmin	0.021		<a href="#">19299482</a>	monkey		
IPI00073769	PALM2	A kinase	0.044					
IPI00020124	PI4K2A	Phosphatidylinositol 4-kinase type II	0.000		<a href="#">19211550</a>	rat	H	
IPI00291068	PI4K2B	Phosphatidylinositol 4-kinase type-II beta	0.044		<a href="#">17927563</a>	bovine	H	
IPI00005181	PLSCR1	Phospholipid scramblase 1	0.000	<a href="#">12564925</a>				PLSCR
IPI00216127	PLSCR3	Phospholipid scramblase 3	0.011					PLSCR <a href="#">12564925</a>
IPI00009276	PROCR	Endothelial protein C receptor precursor	0.008					
IPI00028077	PSEN1	Isoform 1 of Presenilin-1	0.005				M	
IPI00022048	PTGFRN	Prostaglandin F2 receptor negative regulator precursor	0.001					
IPI00168812	PTK7	PTK7 protein tyrosine kinase 7 isoform d precursor	0.011				M	
IPI00107831	PTRPF	Receptor-type tyrosine-protein phosphatase F precursor	0.044					
IPI00032903	PTRH2	Peptidyl-tRNA hydrolase 2, mitochondrial precursor	0.015				H	
IPI00023974	PTTG1IP	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	0.015				H	
IPI00219425	PVR	Isoform Beta of Poliovirus receptor precursor	0.005					
IPI00022661	PVRL2	Isoform Delta of Poliovirus receptor-related protein 2 precursor	0.015					
IPI00005719	RAB1A	RAB1A, member RAS oncogene family	0.039					Ras-related
IPI00016339	RAB5C	Ras-related protein Rab-5C	0.044				M	Ras-related
IPI00217519	RALA	Ras-related protein Ral-A	0.003					Ras-related
IPI00004397	RALB	Ras-related protein Ral-B	0.002					Ras-related
IPI00019346	RAP2A	Ras-related protein Rap-2a	0.006				H	Highly homologous to RAP2B <a href="#">18582561</a>
IPI00018364	RAP2B	Ras-related protein Rap-2b precursor	0.000	<a href="#">18582561</a>			H	
IPI00009607	RAP2C	Ras-related protein Rap-2c precursor	0.000				H	Ras-related
IPI00216890	RELL1	Similar to expressed sequence AA536743	0.030					
IPI00008802	RGS20	Isoform 6 of Regulator of G-protein signaling 20	0.011					
IPI00027500	RHOA	Transforming protein RhoA precursor	0.044					Rho
IPI00000041	RHOB	Rho-related GTP-binding protein RhoB precursor	0.011	<a href="#">1400319</a>				Rho
IPI00550021	RPL3	60S ribosomal protein L3	0.003				H	
IPI00219156	RPL30	60S ribosomal protein L30	0.021					
IPI00020418	RRAS	Ras-related protein R-Ras	0.000	<a href="#">12890755</a>			H	
IPI00012512	RRAS2	Ras-related protein R-Ras2	0.000					Homologous to RRAS <a href="#">12890755</a>
IPI00061267	RSPRY1	Ring finger and SPRY domain containing 1	0.000				M	
IPI00005129	SCAMP1	Isoform 1 of Secretory carrier-associated membrane protein 1	0.000		<a href="#">19092927</a>	rat	H	SCAMP
IPI00218850	SCAMP2	Secretory carrier-associated membrane protein 2	0.002				H	SCAMP
IPI00306382	SCAMP3	Isoform 1 of Secretory carrier-associated membrane protein 3	0.018				H	SCAMP
IPI00056310	SCAMP4	Secretory carrier-associated membrane protein 4	0.001					SCAMP
IPI00177968	SCARB1	Isoform 1 of Scavenger receptor class B member 1	0.024					
IPI00217766	SCARB2	Lysosome membrane protein 2	0.000					
IPI00410666	SCRIB	Isoform 3 of Protein LAP4	0.000				H	LAP <a href="#">18498353</a>
IPI00006666	SLC16A3	Monocarboxylate transporter 4	0.044					
IPI00375452	SLC19A1	Folate transporter 1	0.030					
IPI00019472	SLC1A5	Neutral amino acid transporter B(0)	0.005				H	
IPI00032107	SLC26A2	Sulfate transporter	0.003					
IPI00384867	SLC35B2	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	0.015				M	
IPI00410034	SLC38A2	Putative 40-9-1 protein	0.021				H	
IPI00221393	SLC44A1	Isoform 1 of Choline transporter-like protein 1	0.000					
IPI00031822	SLC5A6	Sodium-dependent multivitamin transporter	0.044				M	

Acc.Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protein Family		Other Evidence	
IPI00027728	SLC7A1	High-affinity cationic amino acid transporter 1	0.030			M				
IPI00010438	SNAP23	Isoform SNAP-23a of Synaptosomal-associated protein 23	0.000	<a href="#">10329400</a>		H				
IPI00012434	STARD3NL	Isoform 1 of MLN64 N-terminal domain homolog	0.044							
IPI00219682	STOM	Erythrocyte band 7 integral membrane protein	0.000	<a href="#">10338112</a>		H				
IPI00013930	STX6	Syntaxin-6	0.021		<a href="#">19092927</a>	rat	H	Syntaxin	<a href="#">15973437</a>	
IPI00009225	STX8	Syntaxin-8	0.001	<a href="#">18980942</a>			H	Syntaxin		
IPI00399142	SURF4	Surfeit 4	0.000				H			
IPI00022462	TFRC	Transferrin receptor protein 1	0.012	<a href="#">2398066</a>			H			
IPI00009976	TMED1	Transmembrane emp24 domain-containing protein 1 precursor	0.044				M			
IPI00000612	TMEM50A	Transmembrane protein 50A	0.021							
IPI00399320	TMEM59	Transmembrane protein 59	0.044							
IPI00514538	TMEM63B	transmembrane protein 63B	0.021							
IPI00304866	TNFAIP2	Tumor necrosis factor, alpha-induced protein 2	0.044							
IPI00021975	TNFRSF10A	Tumor necrosis factor receptor superfamily member 10A precursor	0.000	<a href="#">19090789</a>				TNF receptor	<a href="#">17159908</a>	
IPI00296379	TNFRSF10B	Isoform Long of Tumor necrosis factor receptor superfamily member 10B precursor	0.000					TNF receptor	<a href="#">17159908</a>	
IPI00009111	TPBG	Trophoblast glycoprotein precursor	0.019							
IPI00004324	TRAPPC3	Trafficking protein particle complex subunit 3	0.001	<a href="#">15692564</a>						
IPI00877061	TTYH3	Isoform 3 of protein tweety homolog 3	0.015							
IPI00395887	TXNDC1	Thioredoxin domain-containing protein 1 precursor	0.005				H			
IPI00064193	TXNDC10	Isoform 1 of Protein disulfide-isomerase TXNDC10 precursor	0.005				H			
IPI00017227	UBTD1	Ubiquitin domain-containing protein 1	0.003							
IPI00034049	UPF1	Isoform 1 of Regulator of nonsense transcripts 1	0.044							
IPI00549343	VAMP3	Vesicle-associated membrane protein 3	0.000				H	Synaptobrevin	<a href="#">10845776</a>	
IPI00013236	VAMP7	Isoform 2 of Synaptobrevin-like protein 1	0.011					Synaptobrevin	<a href="#">10845776</a>	
IPI00031195	VANGL1	Isoform 1 of Vang-like protein 1	0.003				H			
IPI00013981	YES1	Proto-oncogene tyrosine-protein kinase Yes	0.041		<a href="#">7980442</a>	monkey	M			
IPI00220642	YWHAG	14-3-3 protein gamma	0.044				M			
IPI00398974	ZDHHC20	Isoform 1 of Probable palmitoyltransferase ZDHHC20	0.005				H	DHHC protein		
IPI00328272	ZDHHC5	Isoform 1 of Probable palmitoyltransferase ZDHHC5	0.002				M	DHHC protein		

**Note 1.** Acc. Number = Accession Number (see the 1st column)

**Note 2.** Candidate S-acylated proteins with high (H) or medium (M) confidence (PMID: 19137006) (see the 8th column)



**Table S3. Medium-confidence candidate S-acylated proteins.**

Acc. Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protei Family
IPI00029737	ACSL4	Isoform Long of Long-chain-fatty-acid--CoA ligase 4	0.165				
IPI00013897	ADAM10	ADAM 10 precursor	0.089			M	
IPI00025057	ADAR	Isoform 2 of Double-stranded RNA-specific adenosine deaminase	0.275				
IPI00019141	AGPAT1	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha	0.103			H	
IPI00385128	AGPAT7	Isoform 1 of 1-acyl-sn-glycerol-3-phosphate acyltransferase eta	0.067				
IPI00856045	AHNAK2	Isoform 1 of protein AHNAK2	0.275				
IPI00008982	ALDH18A1	Isoform Long of Delta 1-pyrroline-5-carboxylate synthetase	0.067				
IPI00019888	ALDH5A1	Succinate semialdehyde dehydrogenase, mitochondrial precursor	0.275				
IPI00024990	ALDH6A1	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial precursor	0.165				ALDH <a href="#">8120000</a>
IPI00036552	ANTXR2	Isoform 2 of Anthrax toxin receptor 2 precursor	0.067				
IPI00555692	ANXA4	ANXA4 protein	0.067				
IPI00016621	AP2A2	AP-2 complex subunit alpha-2	0.165				
IPI00007426	ARL6IP5	PRA1 family protein 3	0.103				
IPI00167074	ARL6IP6	Phosphonoformate immuno-associated protein 1	0.275			H	
IPI00018871	ARL8B	ADP-ribosylation factor-like protein 8B	0.275				
IPI00013698	ASAHI	Acid ceramidase precursor	0.275				
IPI00420014	ASCC3L1	U5 small nuclear ribonucleoprotein 200 kDa helicase	0.212			M	
IPI00554777	ASNS	Asparagine synthetase	0.275				
IPI00177661	ATP13A3	PREDICTED: similar to Probable cation-transporting ATPase 13A3 (ATPase family homolog up-regulated in senescence cells 1) isoform 2	0.103			M	
IPI00012490	ATP2B4	Isoform XD of Plasma membrane calcium-transporting ATPase 4	0.275			M	
IPI00303476	ATP5B	ATP synthase subunit beta, mitochondrial precursor	0.130				
IPI00215767	B4GALT1	Isoform Long of Beta-1,4-galactosyltransferase 1	0.275			M	
IPI00000643	BAG2	BAG family molecular chaperone regulator 2	0.275				
IPI00019835	BCL2L12	Isoform 1 of Bcl-2-related proline-rich protein	0.067				
IPI00030959	C13orf1	24 kDa protein	0.103				
IPI00056357	C19orf10	Uncharacterized protein C19orf10 precursor	0.165				
IPI00550689	C22orf28	UPF0027 protein C22orf28	0.275				
IPI00024618	C3orf37	UPF0361 protein DC12	0.067				
IPI00031617	C6orf125	Protein C6orf125	0.165				
IPI00395627	CACYBP	Isoform 1 of Calyculin-binding protein	0.275				
IPI00176427	CADM4	TSLC1-like 2	0.067		<a href="#">19092927</a> rat		
IPI00008274	CAP1	Adenylyl cyclase-associated protein 1	0.165				
IPI00026185	CAPZB	Isoform 1 of F-actin capping protein subunit beta	0.130				
IPI00185371	CCNYL1	CDNA FLJ40432 fis, clone TESTI2039227	0.067			M	
IPI00410488	CD276	Isoform 1 of CD276 antigen precursor	0.103				
IPI00219852	CD46	Isoform B of Membrane cofactor protein precursor	0.103				
IPI00000059	CD58	LFA-3	0.275				
IPI00016786	CDC42	Isoform 2 of Cell division control protein 42 homolog precursor	0.231		<a href="#">19092927</a> rat		Rho
IPI00024973	CDC42SE2	CDC42 small effector 2	0.103			M	
IPI00015713	CDKAL1	CDK5 regulatory subunit associated protein 1-like 1	0.275				
IPI00000691	CLDN1	Claudin-1	0.103				Claudin <a href="#">15769849</a>
IPI00059710	CLDN23	Claudin-23	0.067				Claudin <a href="#">15769849</a>
IPI00430813	CNBP	Isoform 2 of Cellular nucleic acid-binding protein	0.165				
IPI00220993	CNP	Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	0.165				
IPI00007058	CORO1B	Coronin-1B	0.165				
IPI00027078	CPD	Carboxypeptidase D precursor	0.103	<a href="#">12643288</a>		H	

Acc. Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protei Family	
IPI00032038	CPT1A	Isoform 1 of Carnitine O-palmitoyltransferase 1, liver isoform	0.165			M		
IPI00219823	CSNK1G1	Isoform 1S of Casein kinase I isoform gamma-1	0.165			M	Casein kinase <a href="#">14668479</a>	
IPI00297767	CSNK1G2	Casein kinase I isoform gamma-2	0.067					
IPI00024826	CTDSPL	CTD small phosphatase-like protein	0.275					
IPI00215948	CTNNA1	Isoform 1 of Catenin alpha-1	0.231					
IPI00017292	CTNNB1	Isoform 1 of Catenin beta-1	0.275					
IPI00303954	CY5B	cytochrome b5 outer mitochondrial membrane precursor	0.103					
IPI00644231	CYFIP1	cytoplasmic FMR1 interacting protein 1 isoform a	0.275					
IPI00337800	DAAM1	Isoform 1 of Disheveled-associated activator of morphogenesis 1	0.067			M		
IPI00003406	DBN1	Drebrin	0.231					
IPI00300567	DCI	Isoform 1 of 3,2-trans-enoyl-CoA isomerase, mitochondrial precursor	0.165					
IPI00030320	DDX6	Probable ATP-dependent RNA helicase DDX6	0.067					
IPI00003482	DECR1	2,4-dienoyl-CoA reductase, mitochondrial precursor	0.103					
IPI00024993	ECHS1	Enoyl-CoA hydratase, mitochondrial precursor	0.275					
IPI00376317	EDC4	autoantigen RCD8	0.103			M		
IPI00023048	EEF1D	Elongation factor 1-delta	0.275			M		
IPI00304661	EEP1	hypothetical protein LOC80820	0.067					
IPI00220349	EIF2C2	eukaryotic translation initiation factor 2C, 2	0.275					
IPI00016910	EIF3C	Eukaryotic translation initiation factor 3 subunit 8	0.165			M		
IPI00647650	EIF3H	Eukaryotic translation initiation factor 3 subunit 3	0.103					
IPI00009328	EIF4A3	Probable ATP-dependent RNA helicase DDX48	0.275			M		
IPI00022648	EIF5	Eukaryotic translation initiation factor 5	0.103					
IPI00006935	EIF5A2	Eukaryotic translation initiation factor 5A-2	0.275					
IPI00010105	EIF6	Eukaryotic translation initiation factor 6	0.275					
IPI00006438	ERGIC3	Isoform 1 of Endoplasmic reticulum-Golgi intermediate compartment protein 3	0.275			H		
IPI00024911	ERP29	Endoplasmic reticulum protein ERp29 precursor	0.275					
IPI00429191	ETF1	Eukaryotic peptide chain release factor subunit 1	0.275					
IPI00015905	EXOSC2	Exosome complex exonuclease RRP4	0.165					
IPI00039626	FAM120A	Isoform D of UPF0318 protein FAM120A	0.165					
IPI00026781	FASN	Fatty acid synthase	0.108					
IPI00174757	FBXL20	F-box/LRR-repeat protein 20	0.103					
IPI00021048	FER1L3	Isoform 1 of Myoferlin	0.167					
IPI00000856	FERMT2	Isoform 1 of Pleckstrin homology domain-containing family C member 1	0.275					
IPI00301987	FLJ20323	hypothetical protein FLJ20323	0.103					
IPI00016250	FXR2	Fragile X mental retardation syndrome-related protein 2	0.165					
IPI00020228	FZD6	Frizzled-6 precursor	0.067					
IPI00220281	GNAO1	Guanine nucleotide-binding protein G(o) subunit alpha 1	0.067		<a href="#">8484716</a>	Rat	H	G alpha
IPI00005677	GNPAT	Dihydroxyacetone phosphate acyltransferase	0.275				M	
IPI00022793	HADHB	Trifunctional enzyme beta subunit, mitochondrial precursor	0.103				H	
IPI00471955	HLA-B	HLA class I histocompatibility antigen, B-50 alpha chain precursor	0.076				H	Homologous to HLA B-7 <a href="#">17785801</a>
IPI00473131	HLA-C	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	0.168	<a href="#">17785801</a>			H	
IPI00011913	HNRNPA0	Heterogeneous nuclear ribonucleoprotein A0	0.275					
IPI00419373	HNRPA3	Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	0.103					
IPI00003881	HNRPF	heterogeneous nuclear ribonucleoprotein F	0.275					
IPI00171903	HNRPM	heterogeneous nuclear ribonucleoprotein M isoform a	0.231					
IPI00013234	IARS	IARS protein	0.275				M	
IPI00289819	IGF2R	Cation-independent mannose-6-phosphate receptor precursor	0.275				H	
IPI00056478	IGSF8	Isoform 1 of Immunoglobulin superfamily member 8 precursor	0.165				H	
IPI00788962	IL10RB	Protein	0.275					

Acc. Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protei Family
IPI00297124	IL6ST	Isoform 1 of Interleukin-6 receptor beta chain precursor	0.275				
IPI00554541	ILVBL	ilvB (bacterial acetolactate synthase)-like isoform 1	0.165				
IPI00215995	ITGA3	Isoform Alpha-3A of Integrin alpha-3 precursor	0.185				
IPI00010697	ITGA6	Isoform Alpha-6X1X2B of Integrin alpha-6 precursor	0.103				
IPI00031821	ITM2B	Integral membrane protein 2B	0.275				
IPI00006130	KIAA0494	Uncharacterized calcium-binding protein KIAA0494	0.275			M	
IPI00217007	KIAA2013	Novel protein	0.275			M	
IPI00004503	LAMP1	lysosomal-associated membrane protein 1	0.103				
IPI00103994	LARS	Leucyl-tRNA synthetase, cytoplasmic	0.275			H	
IPI00219219	LGALS1	Galectin-1	0.195				
IPI00020007	LMBRD1	LMBR1 domain containing 1	0.275				
IPI00293336	LOC153364	similar to metallo-beta-lactamase superfamily protein	0.067			M	
IPI00373972	LOC388564	PREDICTED: hypothetical protein	0.103				
IPI00291695	LOC493869	CDNA FLJ23636 fis, clone CAS07176	0.275				
IPI00414231	LRP10	Isoform 1 of Low-density lipoprotein receptor-related protein 10 precursor	0.103				LDL receptor <a href="#">18378904</a>
IPI00007321	LYPLA1	Isoform 1 of Acyl-protein thioesterase 1	0.275				
IPI00025049	M6PR	Cation-dependent mannose-6-phosphate receptor precursor	0.089		<a href="#">8647889</a>	bovine	
IPI00396171	MAP4	Isoform 1 of Microtubule-associated protein 4	0.275				
IPI00090807	METTLL7B	Methyltransferase-like protein 7B precursor	0.165				
IPI00215610	MPP1	55 kDa erythrocyte membrane protein	0.165	<a href="#">1713685</a>			
IPI00017515	MREG	DSU protein	0.067			M	
IPI00219365	MSN	Moesin	0.089				
IPI00102685	MYADM	Myeloid-associated differentiation marker	0.275			M	
IPI00023748	NACA	Nascent polypeptide-associated complex subunit alpha	0.165				
IPI00470649	NCLN	Isoform 1 of Nicalin precursor	0.212				
IPI00021983	NCSTN	Isoform 1 of Nicastrin precursor	0.103	<a href="#">19028695</a>			
IPI00012235	NDFIP1	Isoform 1 of NEDD4 family-interacting protein 1	0.103			M	
IPI00012048	NME1	Nucleoside diphosphate kinase A	0.165				
IPI00304596	NONO	Non-POU domain-containing octamer-binding protein	0.165			M	
IPI00005107	NPC1	Niemann-Pick C1 protein precursor	0.228				
IPI00098902	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) isoform 1 precursor	0.275				
IPI00020464	PAG1	Phosphoprotein associated with glycosphingolipid-enriched microdomains 1	0.165		<a href="#">12626544</a>	Mouse	
IPI00869136	PCNXL3	Isoform 1 of Pecanex-like protein 3	0.103				
IPI00306301	PDHA1	Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochondrial precursor	0.275				
IPI00293189	PERP	Isoform 1 of p53 apoptosis effector related to PMP-22	0.275				
IPI00549725	PGAM1	Phosphoglycerate mutase 1	0.103				
IPI00017334	PHB	Prohibitin	0.103				
IPI00152701	PLCD3	phospholipase C delta 3	0.275				
IPI00030362	PLP2	Proteolipid protein 2	0.275				
IPI00419585	PPIA	Peptidyl-prolyl cis-trans isomerase A	0.191				
IPI00004968	PRPF19	Pre-mRNA-processing factor 19	0.242			M	
IPI00029623	PSMA6	Proteasome subunit alpha type 6	0.275				
IPI00103525	PSPC1	paraspeckle protein 1 isoform alpha	0.275				
IPI00011651	PTPRG	Receptor-type tyrosine-protein phosphatase gamma precursor	0.275				
IPI00016513	RAB10	Ras-related protein Rab-10	0.231				Ras-related
IPI00291928	RAB14	Ras-related protein Rab-14	0.103				Ras-related
IPI00008964	RAB1B	Ras-related protein Rab-1B	0.180			H	Ras-related
IPI00102896	RAB2B	Ras-related protein Rab-2B	0.275				Ras-related
IPI00300096	RAB35	Ras-related protein Rab-35	0.067				Ras-related
IPI00023504	RAB3A	Ras-related protein Rab-3A	0.103				Ras-related

Acc. Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protei Family
IPI00300562	RAB3B	Ras-related protein Rab-3B	0.103				Ras-related
IPI00032808	RAB3D	Ras-related protein Rab-3D	0.067				Ras-related
IPI00448725	RAB4B	RAB4B protein	0.275				Ras-related
IPI00023526	RAB6A	RAB6A, member RAS oncogene family isoform b	0.275				Ras-related
IPI00016891	RAB6B	Ras-related protein Rab-6B	0.165				Ras-related
IPI00028481	RAB8A	Ras-related protein Rab-8A	0.165				Ras-related
IPI00643041	RAN	GTP-binding nuclear protein Ran	0.103				Ras-related
IPI00015148	RAP1B	Ras-related protein Rap-1b precursor	0.275			M	Ras-related
IPI00031755	RCE1	CAAX prenyl protease 2	0.165				
IPI00024670	REEP5	Receptor expression-enhancing protein 5	0.067				
IPI00103867	RFFL	Isoform 1 of Riffylin	0.103				
IPI00027434	RHOC	Rho-related GTP-binding protein RhoC precursor	0.103				Rho
IPI00017342	RHOG	Rho-related GTP-binding protein RhoG precursor	0.130				Rho
IPI00023511	RNF167	RING finger protein 167 precursor	0.275				
IPI00010405	ROR1	Isoform Long of Tyrosine-protein kinase transmembrane receptor ROR1 precursor	0.165				
IPI00026627	RP2	Protein XRP2	0.103	<a href="#">10942419</a>			
IPI00020127	RPA1	Replication protein A 70 kDa DNA-binding subunit	0.195				
IPI00412579	RPL10A	60S ribosomal protein L10a	0.103			M	
IPI00024933	RPL12	60S ribosomal protein L12	0.202			M	
IPI00304612	RPL13A	60S ribosomal protein L13a	0.275				
IPI00215719	RPL18	60S ribosomal protein L18	0.275				
IPI00000494	RPL5	60S ribosomal protein L5	0.275			M	
IPI00012772	RPL8	60S ribosomal protein L8	0.275				
IPI00031691	RPL9	60S ribosomal protein L9	0.212				
IPI00301271	RPN2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit precursor	0.067				
IPI00025091	RPS11	40S ribosomal protein S11	0.103				
IPI00221091	RPS15A	40S ribosomal protein S15a	0.103				
IPI00012493	RPS20	40S ribosomal protein S20	0.067				
IPI00179330	RPS27A	ubiquitin and ribosomal protein S27a precursor	0.116				
IPI00419880	RPS3A	40S ribosomal protein S3a	0.067			M	
IPI00008433	RPS5	40S ribosomal protein S5	0.245			H	
IPI00221088	RPS9	40S ribosomal protein S9	0.275			M	
IPI00106642	SDF2L1	Dihydropyrimidinase-like 2	0.275				
IPI00006865	SEC22B	Vesicle-trafficking protein SEC22b	0.275				
IPI00185533	SEH1L	Isoform A of Nucleoporin SEH1-like	0.275				
IPI00019376	SEPT11	Septin-11	0.275				
IPI00033025	SEPT7	Septin-7	0.130				
IPI00413817	SERINC1	Serine incorporator 1	0.165				
IPI00166444	SFT2D3	Vesicle transport protein SFT2C	0.275			M	
IPI00009368	SFXN1	Sideroflexin-1	0.165				
IPI00007188	SLC25A5	ADP/ATP translocase 2	0.165				
IPI00179969	SLC2A6	CDNA FLJ90355 fis, clone NT2RP2003469, moderately similar to Solute carrier family 2, facilitated glucose transporter, member 6	0.275				
IPI00784764	SLC30A1	solute carrier family 30 (zinc transporter), member 1	0.103				
IPI00100585	SLC39A1	Zinc transporter ZIP1	0.275				
IPI00293074	SLC44A2	Isoform 2 of Choline transporter-like protein 2	0.275				
IPI00043883	SLC46A1	Isoform 1 of Heme carrier protein 1	0.165				
IPI00383597	SLC4A2	Isoform A of Anion exchange protein 2	0.275				Homologous to SLC4A1 <a href="#">1885574</a>
IPI00100858	SLCO4A1	Isoform 1 of Solute carrier organic anion transporter family member 4A1	0.103				

Acc. Number	Gene Symbol	Description	P-value	Known Human	Known Other Species	17-ODYA	Protei Family
IPI00291939	SMC1A	Structural maintenance of chromosome 1-like 1 protein	0.275				
IPI00012913	SPRY2	SPRY2 protein	0.275				
IPI00005745	SPTLC1	Serine palmitoyltransferase 1	0.275				
IPI00334190	STOML2	Stomatin-like protein 2	0.067			M	Stomatin-like <a href="#">10338112</a>
IPI00293402	STX10	Syntaxin-10	0.165			H	Syntaxin <a href="#">15973437</a>
IPI00289876	STX7	syntaxin 7	0.275	<a href="#">18980942</a>		M	Syntaxin <a href="#">15973437</a>
IPI00297626	STXBP3	Syntaxin-binding protein 3	0.067				
IPI00550363	TAGLN2	Transgelin-2	0.275				
IPI00646625	TAP1	transporter 1, ATP-binding cassette, sub-family B	0.165			H	
IPI00290566	TCP1	T-complex protein 1 subunit alpha	0.248				
IPI00170706	TMEM2	Transmembrane protein 2	0.242				
IPI00030530	TMEM55B	Isoform 1 of Transmembrane protein 55B	0.067			M	
IPI00006006	TMEM63A	Transmembrane protein 63A	0.103			M	
IPI00294516	TNFRSF10D	Tumor necrosis factor receptor superfamily member 10D precursor	0.067				TNF receptor <a href="#">17159908</a>
IPI00014053	TOMM40	Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	0.275			H	
IPI00165394	TSPAN14	Isoform 2 of Tetraspanin-14	0.165				Tetraspanin <a href="#">11907260</a>
IPI00024174	TSPAN4	Tetraspanin-4	0.275				Tetraspanin <a href="#">11907260</a>
IPI00027437	TSPAN9	Tetraspanin-9	0.103				Tetraspanin <a href="#">11907260</a>
IPI00470779	TXLNA	Alpha-taxilin	0.275				
IPI00329596	TXNDC14	CDNA PSEC0045 fis, clone NT2RP1001023	0.275				
IPI00157820	TXNRD2	Isoform 2 of Thioredoxin reductase 2, mitochondrial precursor	0.275				
IPI00026669	UBL3	Ubiquitin-like protein 3 precursor	0.067				
IPI00157729	UBTD2	Ubiquitin domain-containing protein 2	0.275				
IPI00219648	VAMP4	Isoform 2 of Vesicle-associated membrane protein 4	0.103			H	Synaptobrevin
IPI00746165	WDR1	WD repeat-containing protein 1 isoform 1	0.275				
IPI00216318	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	0.165				
IPI00000816	YWHAE	14-3-3 protein epsilon	0.067				
IPI00018146	YWHAQ	14-3-3 protein theta	0.275				
IPI00062698	ZDHHC12	Isoform 1 of Probable palmitoyltransferase ZDHHC12	0.103				DHHC protein
IPI00008350	ZDHHC6	Isoform 1 of Probable palmitoyltransferase ZDHHC6	0.275			H	DHHC protein
IPI00333858	ZFR	117 kDa protein	0.275				

**Note 1.** Acc. Number = Accession Number (see the 1st column).

**Note 2.** Candidate S-acylated proteins with high (H) or medium (M) confidence (PMID: 19137006) (see the 8th column).

**Table S4. S-acylation sites cannot be confidently localized on a large scale by using the protein-based procedure.**

No.	Sequence	Fraction	Biological Replicates				Gene Symbol	Acc.Number	Description	Site	Reference	Known Sites	Organism
			1st EXP	1st CON	2nd EXP	2nd CON							
1	MALGTLALVLAALPQR	Non-raft	1	0	0	0	ABCB6	IPI00065486	CDNA FLJ32464 fis, clone SKNMC1000251, highly similar to Homo sapiens MT-ABC transporter (MTABC) mRNA	50			
2	CPEALFQPSFLGMESCIGIHETTFNSIMK	Non-raft	2	1	0	0	ACTB	IPI00021439	Actin, cytoplasmic 1	257	16453612	-	Dictyostelium
		Raft	2	1	0	0	ACTB	IPI00021439	Actin, cytoplasmic 1	257			
		Non-raft	2	1	0	0	ACTG1	IPI00021440	Actin, cytoplasmic 2	257	16453612	-	Dictyostelium
		Raft	2	1	0	0	ACTG1	IPI00021440	Actin, cytoplasmic 2	257			
3	CPEALFQPSFLGMESCIGIHETTFNSIMK	Raft	1	0	0	0	ACTB	IPI00021439	Actin, cytoplasmic 1	272			
		Raft	1	0	0	0	ACTG1	IPI00021440	Actin, cytoplasmic 2	272			
4	LCYVALDFEQEMATAASSSSLEK	Non-raft	1	2	0	0	ACTB	IPI00021439	Actin, cytoplasmic 1	217			
		Raft	2	1	0	0	ACTB	IPI00021439	Actin, cytoplasmic 1	217			
		Non-raft	1	2	0	0	ACTG1	IPI00021440	Actin, cytoplasmic 2	217			
		Raft	2	1	0	0	ACTG1	IPI00021440	Actin, cytoplasmic 2	217			
5	DDDIAALVVDNGSGMCK	Non-raft	3	4	1	3	ACTB	IPI00021439	Actin, cytoplasmic 1	17			
		Raft	4	3	4	2	ACTB	IPI00021439	Actin, cytoplasmic 1	17			
6	EEEIAALVIDNGSGMCK	Non-raft	4	4	1	2	ACTG1	IPI00021440	Actin, cytoplasmic 2	17			
		Raft	4	1	1	2	ACTG1	IPI00021440	Actin, cytoplasmic 2	17			
7	ICDQWDNLGALTQK	Raft	1	0	0	0	ACTN1	IPI00013508	Alpha-actinin-1	480			
8	FSLCSIR	Non-raft	0	0	1	0	ADAM10	IPI00013897	ADAM 10 precursor	435			
9	TITLQPGSPCNDFR	Non-raft	1	0	0	0	ADAM10	IPI00013897	ADAM 10 precursor	632			
10	NCQFETAQKK	Non-raft	1	0	0	0	ADAM17	IPI00029606	Isoform B of ADAM 17 precursor	525			
11	LVDAGEECDCGTPK	Non-raft	1	0	0	0	ADAM9	IPI00440932	Isoform 1 of ADAM 9 precursor	428			
12	LVDAGEECDCGTPK	Non-raft	0	1	0	0	ADAM9	IPI00440932	Isoform 1 of ADAM 9 precursor	430			
13	AYGTGFVGCCLR	Non-raft	0	1	0	0	AGRN	IPI00374563	Agrin precursor	2016			
14	ALANSLACQ GK	Non-raft	1	1	0	1	ALDOA	IPI00465439	Fructose-bisphosphate aldolase A	339			
15	ALSDHHIYLEGTLKPNMVPGHACTQK	Non-raft	1	0	0	0	ALDOA	IPI00465439	Fructose-bisphosphate aldolase A	240			
16	CPLLKPWALTFYGR	Non-raft	0	0	1	0	ALDOA	IPI00465439	Fructose-bisphosphate aldolase A	290			
17	YASICQQNGIVPIVEPEILPDGDHDLKR	Non-raft	0	1	0	1	ALDOA	IPI00465439	Fructose-bisphosphate aldolase A	178			
18	TVAA CNLPVIR	Non-raft	0	0	0	2	AMBP	IPI00022426	AMBP protein precursor	287			
		Raft	0	0	0	1	AMBP	IPI00022426	AMBP protein precursor	287			
19	GDLNFAFLNLVQCINPKPLYFADR	Non-raft	1	0	2	0	ANXA2	IPI00418169	annexin A2 isoform 1	280			
20	GLGTDEDSLIEICSR	Non-raft	1	0	0	0	ANXA2	IPI00418169	annexin A2 isoform 1	151			
		Raft	1	1	0	0	ANXA2	IPI00418169	annexin A2 isoform 1	151			
		Non-raft	2	0	0	0	ANXA2P2	IPI00334627	Similar to annexin A2 isoform 1	133			
21	STVHEILCK	Raft	1	0	1	0	ANXA2	IPI00418169	annexin A2 isoform 1	27			
22	LCSESPDNVSTTGFSIK	Non-raft	0	0	2	0	ARL15	IPI00005163	ARFRP2 protein	53			
23	YCAGEENWVDSR	Non-raft	0	0	1	0	ATP11A	IPI00255653	Probable phospholipid-transporting ATPase 1H	14			
24	NYLEPGKECVQPATK	Non-raft	1	1	0	0	ATP2A2	IPI00219078	Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	997			
25	SMSVYCTPNKPSR	Non-raft	1	1	0	0	ATP2A2	IPI00219078	Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	498			
26	VGEATETALTCLVEK	Non-raft	1	1	0	0	ATP2A2	IPI00219078	Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	447			
27	VSFYQLSHFLQCK	Non-raft	1	0	0	0	ATP2A2	IPI00219078	Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	875			

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			1st EXP	1st CON	2nd EXP	2nd CON							
28	LLSCVVLGPR	Non-raft	1	0	0	0	BAT5	IPI00033075	Protein BAT5	7			
29	EGDEVTLIC SAR	Non-raft	1	0	0	0	BCAM	IPI00002406	Lutheran blood group glycoprotein precursor	473			
30	EGDTVQLLC R	Non-raft	2	0	0	0	BCAM	IPI00002406	Lutheran blood group glycoprotein precursor	291			
31	GQSGTYGCRVEDYDAADDVQLSK	Non-raft	1	0	0	0	BCAM	IPI00002406	Lutheran blood group glycoprotein precursor	337			
32	LVLAEAQVGDERDYVCVVR	Non-raft	1	0	1	0	BCAM	IPI00002406	Lutheran blood group glycoprotein precursor	125			
33	LVELFC SR	Non-raft	1	0	0	0	BCL2L12	IPI00019835	Isoform 1 of Bcl-2-related proline-rich protein	254			
34	TPCNAGTFSQPEK	Raft	1	0	0	0	BUB3	IPI00013468	Mitotic checkpoint protein BUB3	129			
35	ATSVLCC LR	Non-raft	1	0	1	0	C13orf1	IPI00030959	24 kDa protein	7/8			
36	YL RDVNC PFK	Raft	1	0	0	0	C14orf166	IPI00006980	Protein C14orf166	69			
37	AATSTLSVCD FLG EK	Non-raft	1		0		C14orf24	IPI00166051	Uncharacterized protein C14orf24	114			
38	CESAPGCGVWQRVIDNPNYK	Non-raft	1	0	2	0	CANX	IPI00020984	Calnexin precursor	360	<a href="#">18350545</a>	503/504	Mouse
39	CESAPGCGVWQRVIDNPNYK	Non-raft	2	0	0	0	CANX	IPI00020984	Calnexin precursor	366			
40	CGEDYKLFHIFR	Non-raft	0	0	1	0	CANX	IPI00020984	Calnexin precursor	194			
41	SFLIEIQCISR	Non-raft	0	0	1	0	CAV1	IPI00009236	caveolin 1	143	<a href="#">11451957</a>	133/143/156	Human
		Raft	1	0	0	0	CAV1	IPI00009236	caveolin 1	143			
42	CFSSVSLQLSQD	Non-raft	0	0	1	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	151			
		Raft	1	0	1	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	151			
43	SVTDVIIAPLCTSVGR	Non-raft	0	0	1	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	145			
		Raft	1	0	2	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	145			
44	TCLMVLPSVQTIWK	Non-raft	0	0	2	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	122			
		Raft	0	0	1	0	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	122			
45	SQEAGGRVVPDSCCK	Non-raft	1	0	0	0	CD151	IPI00298851	CD151 antigen	184	<a href="#">11907260</a>	11/15/242/243	
46	TVVALCGQR	Non-raft	1	0	3	0	CD151	IPI00298851	CD151 antigen	192			
47	ALSIGFETCR	Non-raft	0	0	1	0	CD44	IPI00297160	CD44 antigen isoform 4 precursor	28	<a href="#">16945930</a>	286/295	
48	YSISRTEAADLCK	Non-raft	1	0	0	0	CD44	IPI00297160	CD44 antigen isoform 4 precursor	53			
49	AIHKEGCV EK	Non-raft	1	0	0	0	CD63	IPI00215998	CD63 antigen	191	<a href="#">11959120</a>	-	
50	HHPTTLAVGICSPASR	Non-raft	2	0	0	0	CD70	IPI00031713	Tumor necrosis factor ligand superfamily member 7	133			
51	LSFHQGC TIASQR	Non-raft	2	0	0	0	CD70	IPI00031713	Tumor necrosis factor ligand superfamily member 7	151			
52	RRPYGCVLR	Non-raft	1	0	0	0	CD70	IPI00031713	Tumor necrosis factor ligand superfamily member 7	17			
53	AIHYALNCCGLAGGVEQFISDIPK	Non-raft	1	0	0	0	CD9	IPI00215997	CD9 antigen	152/153/167	<a href="#">11959120</a>	9/78/79/87/218/219	Human
54	AIHYALNCCGLAGGVEQFISDIPK	Non-raft	2	0	3	0	CD9	IPI00215997	CD9 antigen	152			
55	AIHYALNCCGLAGGVEQFISDIPK	Non-raft	0	0	3	0	CD9	IPI00215997	CD9 antigen	152/153			
56	AIHYALNCCGLAGGVEQFISDIPK	Non-raft	0	0	2	0	CD9	IPI00215997	CD9 antigen	167			
57	AIHYALNCCGLAGGVEQFISDIPK	Non-raft	0	0	1	0	CD9	IPI00215997	CD9 antigen	152/167			
58	YVEC SALTQK	Non-raft	1	0	0	1	CDC42	IPI00016786	Isoform 2 of Cell division control protein 42 homolog precursor	157			
59	CLEDEVQKMR	Non-raft	1	0	0	0	CLDN1	IPI00000691	Claudin-1	107			
60	GFLNQPDVELYQGLWDMCR	Raft	1	0	0	0	CLDN23	IPI00059710	Claudin-23	53			
61	IGNCPFSQR	Non-raft	1	0	0	0	CLIC1	IPI00010896	Chloride intracellular channel protein 1	24			
		Non-raft	1	0	0	0	CLIC4	IPI00001960	Chloride intracellular channel protein 4	35			
62	GTVLLADNVICPGAPFLAHR	Non-raft	1	0	0	0	COMT	IPI00011284	Isoform Membrane-bound of Catechol O-methyltransferase	223			
63	LITIEINPDCAAITQR	Non-raft	0	0	1	0	COMT	IPI00011284	Isoform Membrane-bound of Catechol O-methyltransferase	145			
64	YLPDTLLLEECGLLR	Non-raft	0	0	1	0	COMT	IPI00011284	Isoform Membrane-bound of Catechol O-methyltransferase	207			
65	CDLISIPK	Non-raft	1	0	0	0	CORO1C	IPI00008453	Coronin-1C	473			

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			1st EXP	1st CON	2nd EXP	2nd CON							
		Raft	1	1	0	1	CORO1C	IPI00008453	Coronin-1C	473			
66	GLDVNKCEIAR	Raft	1	1	0	0	CORO1C	IPI00008453	Coronin-1C	383			
67	SIKDTICNQDER	Raft	1	1	0	0	CORO1C	IPI00008453	Coronin-1C	509			
68	VTWDSFCAVNPR	Raft	0	0	1	0	CORO1C	IPI00008453	Coronin-1C	92			
69	SILSSFFCCFR	Non-raft	0	0	1	0	CTDSPL	IPI00024826	CTD small phosphatase-like protein. Splice isoform 2	123/124			
70	HIEWESVLTNTAGCLR	Non-raft	0	0	1	0	CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1	533			
71	YQEAAPNVANNTGPHAASCFGAK	Non-raft	1	0	2	0	CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1	618			
		Raft	1	0	0	0	CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1	618			
72	AKGETAYLPCCK	Non-raft	1	0	0	0	CXADR	IPI00019146	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	41	<a href="#">12021372</a>	259/260	Human
73	CYVDGSEEIGSDFK	Non-raft	0	0	2	0	CXADR	IPI00019146	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	146			
74	VGSDQCLLR	Non-raft	3	0	1	0	CXADR	IPI00019146	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	223			
75	FGCCSAAHYSAK	Non-raft	1	0	0	0	DAGLB	IPI00385987	Isoform 1 of Sn1-specific diacylglycerol lipase beta	610/611			
76	AISADSIDGICAR	Raft	1	0	0	0	DCUN1D3	IPI00217282	DCN1, defective in cullin neddylation 1, domain containing 3	163			
77	QDLGGTCVNEGCIPTK	Non-raft	1	0	0	0	DERP12	IPI00382990	DERP12	50			
		Raft	2	0	1	1	DERP12	IPI00382990	DERP12	50			
78	QDLGGTCVNEGCIPTK	Raft	3	3	2	1	DERP12	IPI00382990	DERP12	45			
79	QDLGGTCVNEGCIPTK	Raft	2	0	1	1	DERP12	IPI00382990	DERP12	45/50			
80	LAAQSCALSLVR	Raft	0	1	0	0	DHX9	IPI00844578	ATP-dependent RNA helicase A	242			
81	HQGVVMVGMGQKDCYVGDEAQS	Raft	0	1	0	0	DKFZp686D0972	IPI00003269	hypothetical protein LOC345651	53			
82	IHSDCAANQVQTYR	Non-raft	0	2	0	0	DSG1	IPI00025753	Desmoglein-1 precursor	77			
83	TLAEVCLGQK	Raft	0	0	1	0	DSG2	IPI00028931	desmoglein 2 preproprotein	840			
84	CLLNMYMIWNLVR	Non-raft	1	0	0	0	ECE1	IPI00216760	Isoform C of Endothelin-converting enzyme 1	372	<a href="#">10359648</a>	42	Human
85	FCVSDTENNLGFALGPMFVK	Non-raft	0	0	1	0	ECE1	IPI00216760	Isoform C of Endothelin-converting enzyme 1	419			
86	ICPVETLVEEAIQCAEK	Non-raft	1	0	0	0	ECHS1	IPI00024993	Enoyl-CoA hydratase, mitochondrial precursor	213			
87	NMITGTSQADCAVLIVAAGVGEFEAGISK	Non-raft	0	0	2	0	EEF1A1	IPI00396485	Elongation factor 1-alpha 1	111			
		Non-raft	0	0	2	0	EEF1A2	IPI00014424	Elongation factor 1-alpha 2	111			
88	WFLTICINQPQFR	Non-raft	1	0	1	0	EEF1G	IPI00000875	Elongation factor 1-gamma	194			
		Raft	1	1	1	0	EEF1G	IPI00000875	Elongation factor 1-gamma	194			
89	KIWCFGPDGTGNILTDITK	Non-raft	0	0	1	0	EEF2	IPI00186290	Elongation factor 2	651			
90	LMEPIYLVEIQCEQVVGGIYGVNLNR	Non-raft	0	0	1	0	EEF2	IPI00186290	Elongation factor 2	751			
91	TFQQLLDPIFK	Non-raft	1	1	1	1	EEF2	IPI00186290	Elongation factor 2	350			
92	YVEPIEDVPCGNIVGLVGDQFLVK	Non-raft	1	1	0	0	EEF2	IPI00186290	Elongation factor 2	466			
93	IVLTNPVCTEVGEK	Non-raft	1	0	0	0	EIF2S3	IPI00297982	Eukaryotic translation initiation factor 2 subunit 3	434			
94	SFDVKNKPGCEVDDLKGGVAGGSILK	Raft	1	0	0	0	EIF2S3	IPI00297982	Eukaryotic translation initiation factor 2 subunit 3	269			
95	VNQIGSVTESIQACK	Non-raft	1	1	1	0	ENO1	IPI00465248	enolase 1	357			
		Non-raft	1	1	1	0	ENO3	IPI00218474	Beta-enolase	357			
96	QLFNCQSLHK	Non-raft	1	0	0	0	ERBB2IP	IPI00438286	Isoform 1 of Protein LAP2	68	<a href="#">18498353</a>	14/16	Human
97	LSCAYSGFSSPR	Non-raft	0	1	0	0	F11R	IPI00001754	Junctional adhesion molecule A precursor	50			
98	TYCFDAFPNIDK	Non-raft	2	0	0	0	FAM108B1	IPI00412592	chromosome 9 open reading frame 77 isoform 2	210			
99	VLTCTDLEQGNFFLDFENAQPTSESEKEIYNQVNVVLK	Non-raft	2	0	1	0	FAM49B	IPI00303318	Protein FAM49B	10			
100	GLELQPQDNNGLCDPYIK	Non-raft	0	0	1	0	FER1L3	IPI00021048	Isoform 1 of Myoferlin	1574			
101	HSATTVFGANTPIVSCNFDR	Non-raft	0	0	1	0	FER1L3	IPI00021048	Isoform 1 of Myoferlin	1131			
102	IVGPSGAAPCKVEPGLGADNSVVR	Non-raft	0	0	1	0	FLNA	IPI00302592	filamin 1	1018			
103	SPYTVTVGQACNPSACR	Non-raft	0	1	0	0	FLNA	IPI00302592	filamin 1	478			



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			1st EXP	1st CON	2nd EXP	2nd CON							
104	SPYTVTVGQACNPSACR	Non-raft	0	1	0	0	FLNA	IPI00302592	filamin 1	483			
105	SPFVVQVGEACNPNACR	Non-raft	1	0	0	0	FLNB	IPI00477536	Filamin B	455			
106	SSTETCYSAIPK	Non-raft	1	0	0	0	FLNB	IPI00477536	Filamin B	2490			
107	EMLAAAQMFGLGK	Raft	0	0	1	0	FLOT1	IPI00027438	Flotillin-1	85	<a href="#">12370178</a>	34	Mouse
108	MFFTCTGPNAMVVSQFGR	Raft	1	0	1	0	FLOT1	IPI00027438	Flotillin-1	17			
109	VFVLPCTQQIQR	Non-raft	1	0	2	0	FLOT1	IPI00027438	Flotillin-1	34			
		Raft	3	0	1	0	FLOT1	IPI00027438	Flotillin-1	34			
110	HVGSNLCILDSR	Non-raft	1	0	0	0	GALNT2	IPI00004669	Polypeptide N-acetylgalactosaminyltransferase 2	496			
111	IISNASCTTNCLAPLAK	Non-raft	5	1	4	1	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	152	<a href="#">16128592</a>	244	Rabbit
		Raft	0	0	1	0	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	156			
112	IISNASCTTNCLAPLAK	Non-raft	4	4	3	2	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	156			
		Raft	1	1	1	0	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	160			
113	IISNASCTTNCLAPLAK	Non-raft	3	4	3	2	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	152/156			
		Raft	1	1	0	0	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	156/160			
114	VPTANVSVVDLTCR	Non-raft	3	1	3	3	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	247			
		Raft	1	0	0	0	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	247			
115	FCENTQAGEGR	Non-raft	1	0	0	0	GLG1	IPI00414717	golgi apparatus protein 1	324			
116	LSSDCEDQIR	Non-raft	1	0	0	0	GLG1	IPI00414717	golgi apparatus protein 1	542			
117	MACKEDVLK	Non-raft	1	0	0	0	GLG1	IPI00414717	golgi apparatus protein 1	515			
118	FSPDLWGVSVCTVDGQR	Non-raft	0	1	0	0	GLS	IPI00215687	Isoform GAC of Glutaminase kidney isoform, mitochondrial precursor	266			
		Non-raft	0	1	0	0	GLS	IPI00289159	Isoform KGA of Glutaminase kidney isoform, mitochondrial precursor	266			
119	MFVDLNPDSKIIYSHFTCATDTENIR	Non-raft	1	0	0	0	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	330	<a href="#">9175863</a>	9/10	Human
		Non-raft	1	0	0	0	GNAQ	IPI00288947	Guanine nucleotide binding protein	330	<a href="#">8227063</a>	9/10 (3/4)	Human
120	TLESMMACCLSDSEVK	Non-raft	2	0	1	0	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	9/10			
121	EIYTHFTCATDTK	Raft	1	0	0	0	GNAI1	IPI00337415	Guanine nucleotide-binding protein G(i), alpha-1 subunit	325	<a href="#">8484716</a>	3 (similarity)	Human
		Raft	1	0	0	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	327	<a href="#">8484716</a>	3 (similarity)	Human
		Raft	1	0	0	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	325			
122	LFDSICNNK	Non-raft	1	0	1	0	GNAI1	IPI00337415	Guanine nucleotide-binding protein G(i), alpha-1 subunit	254			
		Raft	1	0	0	0	GNAI1	IPI00337415	Guanine nucleotide-binding protein G(i), alpha-1 subunit	254			
		Non-raft	1	0	1	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	255			
		Raft	1	0	0	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	255			
		Non-raft	1	0	1	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	254			
		Raft	1	0	0	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	254			
		Non-raft	1	0	0	0	GNAO1	IPI00220281	Guanine nucleotide-binding protein G(o) subunit alpha 1	255	<a href="#">8484716</a>	3 (similarity)	Human
		Raft	1	0	0	0	GNAO1	IPI00220281	Guanine nucleotide-binding protein G(o) subunit alpha 1	255			
123	IIHEDGYSEEECR	Non-raft	2	0	1	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	66			
		Raft	1	0	0	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	66			
124	LWADHGVQACFGR	Non-raft	1	0	0	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	140			

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			1st EXP	1st CON	2nd EXP	2nd CON							
125	QLFALSCTAEEQVLPDDLSGVIR	Non-raft	1	0	1	0	GNAI2	IPI00748145	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	112			
126	DGGVQACFSR	Non-raft	0	0	1	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	139	<a href="#">8484716</a>	3 (similarity)	Human
		Raft	1	0	0	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	139			
127	IIHEDGYSEDECKQYK	Non-raft	2	0	1	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	66			
128	SPLTICYPEYTGSTYEEAAAYIQCFEDLNR	Non-raft	1	0	0	0	GNAI3	IPI00220578	Guanine nucleotide-binding protein G(k) subunit alpha	305			
129	SLWNDPGIQECYDR	Non-raft	1	0	1	0	GNAQ	IPI00288947	Guanine nucleotide binding protein	144			
130	TLESIMACCLSEEAK	Non-raft	0	0	1	0	GNAQ	IPI00288947	Guanine nucleotide binding protein	9/10			
131	HYCYPHFTCAVDTENIRR	Raft	1	0	0	0	GNAS	IPI00219835	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	345	<a href="#">8484716</a>	3 (similarity)	Human
		Raft	1	0	0	0	GNAS	IPI00514055	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	359			
		Raft	1	0	0	0	GNAS	IPI00644936	Guanine nucleotide-binding protein G-s-alpha-3	344			
132	SNEYQLIDCAQYFLDKIDVIK	Non-raft	2	0	0	0	GNAS	IPI00219835	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	160			
		Raft	0	0	1	0	GNAS	IPI00219835	Isoform Gnas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	160			
		Non-raft	2	0	0	0	GNAS	IPI00514055	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	174			
		Raft	0	0	1	0	GNAS	IPI00514055	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	174			
		Non-raft	2	0	0	0	GNAS	IPI00514055	Isoform Gnas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	174			
		Raft	0	0	1	0	GNAS	IPI00644936	Guanine nucleotide-binding protein G-s-alpha-3	159			
133	ACADATLSQITNNIDPVGR	Non-raft	1	1	0	0	GNB1	IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	25			
134	LFVSGACDASAK	Non-raft	1	1	0	0	GNB1	IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	204			
135	FSPNSSNPIIVSCGWDK	Non-raft	0	0	1	0	GNB2L1	IPI00641950	Lung cancer oncogene 7	198			
136		Raft	1	1	2	0	GNB2L1	IPI00641950	Lung cancer oncogene 7	198			
137	LWNTLGVCK	Raft	1	1	0	1	GNB2L1	IPI00641950	Lung cancer oncogene 7	168			
138	TNHIGHTGYLNTVTVSPDGLSCASGGK	Raft	2	1	0	0	GNB2L1	IPI00641950	Lung cancer oncogene 7	237			
139	VWNLANCK	Raft	1	0	0	0	GNB2L1	IPI00641950	Lung cancer oncogene 7	212			
140	YWLC AATGPSIK	Non-raft	0	1	1	1	GNB2L1	IPI00641950	Lung cancer oncogene 7	279			
		Raft	0	1	2	0	GNB2L1	IPI00641950	Lung cancer oncogene 7	279			
141	NPMDYPVEDAFCKPQLVK	Raft	3	0	2	0	GPRC5A	IPI00022624	Retinoic acid-induced protein 3	284			
142	AYLEGT C VEWLR	Non-raft	1	1	4	0	HLA-A	IPI00743503	HLA class I histocompatibility antigen, A-34 alpha chain precursor	188			
		Raft	1	0	0	0	HLA-A	IPI00743503	HLA class I histocompatibility antigen, A-34 alpha chain precursor	188			
		Non-raft	1	1	4	0	HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	188	<a href="#">17785801</a>	-	Human
		Raft	1	0	0	0	HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	188			
143	AYLEGL C VEWLR	Non-raft	1	1	4	0	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	188	<a href="#">17785801</a>	-	Human
		Raft	1	0	0	0	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	188			

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			1st EXP	1st CON	2nd EXP	2nd CON							
144	YTCHVQHEGLPKPLTLR	Non-raft	1	0	0	0	HLA-A	IPI00743503	HLA class I histocompatibility antigen, A-34 alpha chain precursor	283			
		Non-raft	1	0	0	0	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	283			
145	MYGCDLGPDGR	Non-raft	2	0	3	0	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	125			
		Non-raft	2	0	3	0	HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	125			
146	GGSCSQAASSNSAQSDESLIACKA	Non-raft	2	0	0	0	HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	345			
147	VFNVFCLYGNVEK	Raft	1	1	0	0	HNRNPL	IPI00027834	heterogeneous nuclear ribonucleoprotein L isoform a	404			
148	TGEGFLCVFAINNTK	Non-raft	0	0	1	0	HRAS	IPI00000006	GTPase HRas precursor	80	<a href="#">10504264</a>	181/184	Human
		Non-raft	0	0	1	0	KRAS	IPI00423568	Isoform 2A of GTPase KRas	80	<a href="#">3023817</a>	180	Human
149	AAVEEGIVLGGGCALLR	Non-raft	0	1	0	1	HSPD1	IPI00472102	Heat shock protein 60	442			
150	DLEGTYLCR	Non-raft	0	1	0	1	ICAM1	IPI00008494	Intercellular adhesion molecule 1 precursor	457			
151	YSDNWEAITGTGDPEHYLINVCK	Non-raft	0	0	1	0	IGF2R	IPI00289819	Cation-independent mannose-6-phosphate receptor precursor	586			
152	SETVLTATGR	Non-raft	2	0	0	0	ITGA3	IPI00215995	Isoform Alpha-3A of Integrin alpha-3 precursor	904			
153	TGAVYLCPLTAHK	Non-raft	1	1	0	0	ITGA3	IPI00215995	Isoform Alpha-3A of Integrin alpha-3 precursor	94			
154	CDDLEALK	Non-raft	1	0	0	0	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	64			
155	FCECDNFNCDR	Non-raft	2	1	1	0	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	555			
156	FCECDNFNCDR	Non-raft	0	0	1	1	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	560			
157	FCECDNFNCDR	Non-raft	0	1	0	0	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	553/555			
158	FCECDNFNCDR	Non-raft	0	1	0	0	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	553			
159	GCPPDDIENPR	Non-raft	1	4	0	0	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	75			
160	LPQPVPQDPVSHCK	Non-raft	0	2	1	1	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	691			
161	SNGLICGGNGVCK	Non-raft	1	1	0	1	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	568			
162	SNGLICGGNGVCK	Non-raft	0	1	1	1	ITGB1	IPI00645194	integrin beta 1 isoform 1A precursor	574			
163	LVQNCLWTLR	Non-raft	0	0	0	1	JUP	IPI00554711	Junction plakoglobin	372			
		Raft	0	0	0	1	JUP	IPI00554711	Junction plakoglobin	372			
164	NLALCPANHAPLQEAVIPR	Raft	1	0	0	0	JUP	IPI00554711	Junction plakoglobin	511			
165	VLSVCPSNKPAIVEAGGMQALGK	Raft	0	1	0	0	JUP	IPI00554711	Junction plakoglobin	341			
166	VIGSGCNLDSAR	Non-raft	1	1	0	1	LDHA	IPI00217966	lactate dehydrogenase A	163			
		Non-raft	1	1	0	1	LDHB	IPI00219217	L-lactate dehydrogenase B chain	164			
167	ACGLVASNLNLKPGECLR	Non-raft	2	0	2	1	LGALS1	IPI00219219	Galectin-1	3/17			
		Raft	2	2	2	0	LGALS1	IPI00219219	Galectin-1	3/17			
168	ACGLVASNLNLKPGECLR	Non-raft	1	0	1	1	LGALS1	IPI00219219	Galectin-1	3			
		Raft	1	1	2	0	LGALS1	IPI00219219	Galectin-1	3			
169	ACGLVASNLNLKPGECLR	Non-raft	2	0	2	0	LGALS1	IPI00219219	Galectin-1	17			
		Raft	2	2	2	0	LGALS1	IPI00219219	Galectin-1	17			
170	DSNNLCLHFNPR	Raft	0	1	0	0	LGALS1	IPI00219219	Galectin-1	43			
171	FNAHG DANTIVCNSK	Non-raft	1	1	1	0	LGALS1	IPI00219219	Galectin-1	61			
		Raft	2	1	0	0	LGALS1	IPI00219219	Galectin-1	61			
172	WTELAGCTADFR	Non-raft	1	0	0	0	LMAN2	IPI00009950	Vesicular integral-membrane protein VIP36 precursor	202			
173	AQNTWGCNLSLR	Raft	1	1	0	0	LMNA	IPI00021405	Isoform A of Lamin-A/C	522			
174	ISDYVGTGER	Non-raft	1	0	0	0	LOC153364	IPI00293336	similar to metallo-beta-lactamase superfamily protein	212			
175	LVEALCAEHQINLIK	Raft	1	0	0	0	LOC440055	IPI00456898	PREDICTED: similar to ribosomal protein S12	70			

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			1st EXP	1st CON	2nd EXP	2nd CON							
176	MFHC <b>C</b> IPLWR	Non-raft	1	0	1	0	LRRC1	IPI00427739	Isoform 1 of Leucine-rich repeat-containing protein 1	4			
177	<b>C</b> CCPEALYAAGK	Non-raft	1	0	0	0	LSR	IPI00409640	Isoform 1 of Lipolysis-stimulated lipoprotein receptor	302/303/304			
		Raft	1	0	0	0	LSR	IPI00409640	Isoform 1 of Lipolysis-stimulated lipoprotein receptor	302/303/304			
178	GMEQFPHLAFWQDLGNLVADGCDFV <b>C</b> R	Non-raft	1	0	0	0	M6PR	IPI00025049	Cation-dependent mannose-6-phosphate receptor precursor	240/244			
179	RAVVMIS <b>C</b> NR	Non-raft	0	0	1	0	M6PR	IPI00025049	Cation-dependent mannose-6-phosphate receptor precursor	145	<a href="#">8647889</a>	34	Bovine
180	<b>G</b> CDVVVIPAGVPR	Non-raft	0	0	0	1	MDH2	IPI00291006	Malate dehydrogenase, mitochondrial precursor	93			
181	GYLGPEQLPD <b>C</b> LK	Non-raft	1	0	0	0	MDH2	IPI00291006	Malate dehydrogenase, mitochondrial precursor	89			
182	TIIP <b>L</b> IS <b>Q</b> CTPK	Non-raft	1	0	0	0	MDH2	IPI00291006	Malate dehydrogenase, mitochondrial precursor	212			
183	RLLY <b>C</b> QR	Non-raft	1	0	0	0	MMP14	IPI00218398	Matrix metalloproteinase-14 precursor	574	<a href="#">15946988</a>	574	Human
184	DWDNSGPF <b>C</b> GTISSK	Non-raft	1	0	1	0	MPP6	IPI00303280	MAGUK p55 subfamily member 6	298			
185	<b>T</b> CILDVNPQALK	Non-raft	1	0	0	0	MPP6	IPI00303280	MAGUK p55 subfamily member 6	432			
186	ALALAALAAVEPAC <b>G</b> S <b>R</b>	Non-raft	1	0	0	0	NDFIP1	IPI00012235	Isoform 1 of NEDD4 family-interacting protein 1	15			
187	GDF <b>C</b> IQVGR	Non-raft	0	0	1	0	NME1	IPI00012048	Nucleoside diphosphate kinase A	109			
188	GAEDGTSVQASES <b>C</b> LFR	Non-raft	0	0	1	0	NPC1	IPI00005107	Niemann-Pick C1 protein precursor	816			
189	IGFAPSSWIDDYFDWVKPQSS <b>C</b> CR	Non-raft	0	0	1	0	NPC1	IPI00005107	Niemann-Pick C1 protein precursor	956			
190	NRLDIF <b>C</b> CVR	Non-raft	1	0	0	0	NPC1	IPI00005107	Niemann-Pick C1 protein precursor	799/800			
191	TGEGFL <b>C</b> VFAINNSK	Non-raft	1	0	1	0	NRAS	IPI00000005	GTPase NRas precursor	80	<a href="#">2661017</a>	181	Human
192	AADYNQALGT <b>C</b> R	Non-raft	1	0	0	0	NRSN2	IPI00017231	Protein C20orf98	115			
193	MGVVE <b>C</b> AK	Raft	1	0	0	0	PA2G4	IPI00299000	Proliferation-associated protein 2G4	296			
194	LVPAT <b>Q</b> CGLSIGK	Non-raft	1	1	0	0	PCBP1	IPI00016610	Poly(rC)-binding protein 1	119			
195	VDC <b>T</b> ANTNT <b>C</b> NK	Non-raft	0	1	0	0	PDIA3	IPI00025252	Protein disulfide-isomerase A3 precursor	92			
196	CGLA <b>C</b> ER	Raft	2	0	0	0	PERP	IPI00293189	Isoform 1 of p53 apoptosis effector related to PMP-22	8			
197	YADLTEDQLP <b>S</b> CESLKDTIAR	Non-raft	1	0	1	0	PGAM1	IPI00549725	Phosphoglycerate mutase 1	153			
198	AEGSDVANAVLDGAD <b>C</b> IMLSGETAKGDYPLEAVR	Non-raft	2	0	0	0	PKM2	IPI00479186	pyruvate kinase 3 isoform 1	358			
199	AGKPVI <b>C</b> ATQMLESNIK	Non-raft	0	1	0	0	PKM2	IPI00479186	pyruvate kinase 3 isoform 1	326			
200	GIFPVL <b>C</b> KDPVQEAWAEDVDLR	Non-raft	1	0	1	0	PKM2	IPI00479186	pyruvate kinase 3 isoform 1	474			
201	NTGI <b>C</b> TIGPASR	Non-raft	2	1	2	2	PKM2	IPI00479186	pyruvate kinase 3 isoform 1	49			
202	LSAPG <b>C</b> WAA <b>C</b> TNFSR	Non-raft	1	0	1	0	PLP2	IPI00030362	Proteolipid protein 2	12/16			
203	VYFAAEDTD <b>C</b> CTR	Non-raft	2	0	1	0	PLSCR1	IPI00005181	Phospholipid scramblase 1	148/149	<a href="#">12564925</a>	184-189	Human
		Raft	1	0	0	0	PLSCR1	IPI00005181	Phospholipid scramblase 1	148/149			
204	SGAGQPLGQAAEESN <b>C</b> CAR	Non-raft	2	0	0	0	PLSCR3	IPI00216127	Phospholipid scramblase 3	125/126		211/214/216 (probable)	Human
205	SGAGQPLGQAAEESN <b>C</b> CAR	Non-raft	1	0	0	0	PLSCR3	IPI00216127	Phospholipid scramblase 3	126			
206	HTGPGILSMANAGPNTNGSQFFI <b>C</b> TAK	Non-raft	1	0	0	0	PPIA	IPI00419585	Peptidyl-prolyl cis-trans isomerase A	115			
207	IIPGF <b>M</b> CQGGDFTR	Non-raft	1	0	1	0	PPIA	IPI00419585	Peptidyl-prolyl cis-trans isomerase A	62			
		Raft	0	0	1	0	PPIA	IPI00419585	Peptidyl-prolyl cis-trans isomerase A	62			
208	KITIAD <b>C</b> GQLE	Raft	0	1	0	0	PPIA	IPI00419585	Peptidyl-prolyl cis-trans isomerase A	161			
209	LVQAFQFTDKHGEV <b>C</b> PAGWKPGSDTIKPDVQK	Raft	1	0	0	0	PRDX1	IPI00000874	Peroxiredoxin-1	173			
210	GKDC <b>C</b> AVIVTQK	Non-raft	1	0	0	0	PSMA6	IPI00029623	Proteasome subunit alpha type 6	47			
211	<b>A</b> CLDYPVTSVLPASL <b>C</b> K	Non-raft	1	0	1	0	PTTG1IP	IPI00023974	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	66/81			
		Raft	1	0	0	0	PTTG1IP	IPI00023974	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	66			
212	NV <b>S</b> CLW <b>C</b> NTNK	Non-raft	1	0	0	0	PTTG1IP	IPI00023974	Pituitary tumor-transforming gene 1 protein-interacting protein precursor	57/60			

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			1st EXP	1st CON	2nd EXP	2nd CON							
213	VTFSQDPTTVALCISK	Non-raft	1	0	0	0	PVRL2	IPI00022661	Isoform Delta of Poliovirus receptor-related protein 2 precursor	183			
214	LLLGNKC DMEAK	Non-raft	1	0	0	0	RAB13	IPI00016373	Ras-related protein Rab-13	123			
215	YLECSALTQR	Non-raft	1	0	1	0	RAC1	IPI00010271	Isoform A of Ras-related C3 botulinum toxin substrate 1 precursor	157			
		Raft	1	1	0	0	RAC1	IPI00010271	Isoform A of Ras-related C3 botulinum toxin substrate 1 precursor	157			
216	QWNNCAFLESSAK	Non-raft	1	1	1	0	RAP1B	IPI00015148	Ras-related protein Rap-1b precursor	141			
217	ALAEWGC PFMETSAK	Non-raft	0	0	1	0	RAP2A	IPI00019346	Ras-related protein Rap-2a	140			
		Raft	1	0	0	0	RAP2B	IPI00018364	Ras-related protein Rap-2b precursor	140	<a href="#">18582561</a>	176/177	Human
218	ALAEWGC PFMETSAK	Non-raft	1	0	2	0	RAP2C	IPI00009607	Ras-related protein Rap-2c precursor	140			
219	LYGSLPCLVLLER	Non-raft	0	0	1	0	RCE1	IPI00031755	CAAX prenyl protease 2	85			
220	NCMTDLLAKLEAK	Non-raft	1	0	1	0	REEP5	IPI00024670	Receptor expression-enhancing protein 5	18			
221	CTTEAEQDIEEEKVEK	Raft	1	0	0	0	RELL1	IPI00216890	Similar to expressed sequence AA536743	88			
222	IGAFGYMECSAK	Non-raft	0	0	2	0	RHOA	IPI00027500	Transforming protein RhoA precursor	159			
223	HFCPNVPILVANKK	Non-raft	1	0	1	0	RHOB	IPI00000041	Rho-related GTP-binding protein RhoB precursor	107	<a href="#">1400319</a>	189/192	Human
224	VLPCHAHAYHSR	Non-raft	1	0	0	0	RNF167	IPI00023511	RING finger protein 167 precursor	248			
225	CTGGVEVGATSALAPK	Non-raft	0	0	1	0	RPL12	IPI00024933	60S ribosomal protein L12	17			
		Raft	1	0	0	0	RPL12	IPI00024933	60S ribosomal protein L12	12			
226	LVILANNC PALR	Non-raft	0	0	1	0	RPL30	IPI00219156	60S ribosomal protein L30	52			
227	VCTLAIDPGDSDIIR	Non-raft	0	0	1	0	RPL30	IPI00219156	60S ribosomal protein L30	92			
228	VGLTNYAAAYCTGLLLAR	Raft	1	1	2	0	RPL5	IPI00000494	60S ribosomal protein L5	100			
229	VTNRDIIC QIAYAR	Raft	1	0	1	0	RPL5	IPI00000494	60S ribosomal protein L5	62			
230	CPFTGNVSIR	Non-raft	1	0	0	0	RPS11	IPI00025091	40S ribosomal protein S11	60			
231	LGEWVGLCK	Raft	0	0	1	0	RPS12	IPI00013917	40S ribosomal protein S12	92			
232	GCTATLGNFAK	Raft	0	0	1	0	RPS2	IPI00013485	40S ribosomal protein S2	229			
233	GLCAIAQAESLR	Non-raft	1	0	0	0	RPS3	IPI00011253	40S ribosomal protein S3	97			
		Raft	1	1	1	0	RPS3	IPI00011253	40S ribosomal protein S3	97			
234	TIAECLADELINA AK	Non-raft	1	0	1	1	RPS5	IPI00008433	40S ribosomal protein S5	172			
		Raft	0	0	2	1	RPS5	IPI00008433	40S ribosomal protein S5	172			
235	VNQAIWLLCTGAR	Raft	2	0	1	0	RPS5	IPI00008433	40S ribosomal protein S5	155			
236	ADHQPLTEASYVNLPTIALCNTDSPLR	Raft	1	1	1	0	RPSA	IPI00413108	Ribosomal protein SA	153			
237	NTSAVLGCLA EK	Non-raft	1	0	1	0	RSPRY1	IPI00061267	Ring finger and SPRY domain containing 1	208			
		Raft	1	0	1	0	RSPRY1	IPI00061267	Ring finger and SPRY domain containing 1	208			
238	YSNSALGHVNC TIK	Non-raft	1	0	0	0	RTN4	IPI00021766	Isoform 1 of Reticulon-4	1101			
239	LLETECPQYIR	Non-raft	1	1	2	2	S100A8	IPI00007047	Protein S100-A8	42			
240	QNNWPPLPSWCPVKPCFYQDFSTEIPADYQR	Non-raft	1	0	0	0	SCAMP2	IPI00218850	Secretory carrier-associated membrane protein 2	127/132			
241	QNNWPPLPSFCPVQPCFFQDISMEIPQEFQK	Non-raft	1	0	0	0	SCAMP3	IPI00306382	Isoform 1 of Secretory carrier-associated membrane protein 3	142/147			
242	SQEKCYLFWSSSK	Non-raft	1	0	0	0	SCARB1	IPI00177968	Isoform 1 of Scavenger receptor class B member 1	470			
243	AITIANQTNCLPYITK	Non-raft	1	0	0	0	SDF2L1	IPI00106642	Dihydropyrimidinase-like 2	248			
244	VGSVLQEGCGK	Non-raft	0	1	0	0	SDHA	IPI00305166	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor	536			
245	SPAESAAAGLTC LPSVTR	Non-raft	0	0	1	0	SFT2D3	IPI00166444	Vesicle transport protein SFT2C	67			
246	AALEALGSC LNNK	Non-raft	1	0	0	0	SHMT2	IPI00002520	Serine hydroxymethyltransferase, mitochondrial precursor	91			
247	LGLQCLPSDGVQNVNQ	Non-raft	0	0	1	0	SLC19A1	IPI00375452	Folate transporter 1	580			
248	GLAAAAPTANGGLALASIEDQGAAGGYCGSR	Non-raft	3	0	1	0	SLC1A5	IPI00019472	Neutral amino acid transporter B(0)	39			

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			1st EXP	1st CON	2nd EXP	2nd CON							
249	SCVTVLNVEGDALGAGLLQNYVDRTESR	Non-raft	2	0	1	0	SLC1A5	IPI00019472	Neutral amino acid transporter B(0)	467			
250	SSVTHLLCASK	Non-raft	1	0	1	0	SLC38A2	IPI00410034	Putative 40-9-1 protein	403			
251	IGSSELQEF <sup>C</sup> PTILQQLDSR	Non-raft	2	0	1	0	SLC39A14	IPI00014236	KIAA0062 protein	118			
252	LVSGYDSYGNI <sup>C</sup> GQK	Non-raft	2	0	2	0	SLC44A1	IPI00221393	Isoform 1 of Choline transporter-like protein 1	69			
253	SVAL <sup>C</sup> VAA <sup>C</sup> PCR	Non-raft	1		0		SLC44A1	IPI00221393	Isoform 1 of Choline transporter-like protein 1	117			
254	IFDDSP <sup>C</sup> PFTAK	Non-raft	1		0		SLC44A2	IPI00293074	Isoform 2 of Choline transporter-like protein 2	399			
255	LLSLLPLS <sup>C</sup> QK	Non-raft	1		0		SLC5A6	IPI00031822	Sodium-dependent multivitamin transporter	577			
256	CCGL <sup>C</sup> V <sup>C</sup> PC <sup>C</sup> NR	Raft	1	0	0	0	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	79/80/83/85/87	<a href="#">12551899</a>	80/83/85/87	Human
257	TTWGDGGENSP <sup>C</sup> NVVSK	Non-raft	1	0	1	0	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	112			
		Raft	1	0	0	0	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	112			
258	LLQEIVDQ <sup>C</sup> MNR	Non-raft	1	0	0	0	SPTLC1	IPI00005745	Serine palmitoyltransferase 1	419			
259	GPGLFFILP <sup>C</sup> DTDSFIK	Non-raft	1	0	1	0	STOM	IPI00219682	Erythrocyte band 7 integral membrane protein	87	<a href="#">10338112</a>	30/87	Human
		Raft	2	0	0	0	STOM	IPI00219682	Erythrocyte band 7 integral membrane protein	87			
260	L <sup>C</sup> LISTFLEDGIR	Non-raft	0	0	2	0	SURF4	IPI00399142	Surfeit 4	32			
261	LFGNMEGD <sup>C</sup> PSDWKTDSTCR	Non-raft	1	0	1	0	TFRC	IPI00022462	Transferrin receptor protein 1	363	<a href="#">2398066</a>	62/67	Human
262	SEGTY <sup>C</sup> CGPVPVR	Non-raft	1	0	0	0	TGM2	IPI00294578	Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	370			
263	SEGTY <sup>C</sup> CGPVPVR	Non-raft	0	1	0	0	TGM2	IPI00294578	Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	370/371			
264	TVSYNGILGPE <sup>C</sup> GTK	Non-raft	0	1	0	0	TGM2	IPI00294578	Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	524			
265	SQGVFQ <sup>C</sup> GPASVIGVR	Non-raft	0	2	0	0	TGM3	IPI00300376	Protein-glutamine gamma-glutamyltransferase E precursor	367			
		Raft	0	1	0	0	TGM3	IPI00300376	Protein-glutamine gamma-glutamyltransferase E precursor	367			
266	VLTAAGNS <sup>C</sup> CR	Raft	1	0	0	0	THOC6	IPI00301252	Isoform 3 of THO complex subunit 6 homolog	279			
267	CSE <sup>C</sup> CIDWGEKR	Raft	2	0	0	0	TMEM50A	IPI00000612	Transmembrane protein 50A	10/13			
268	DNGF <sup>C</sup> CSWLTAIFR	Non-raft	0	0	1	0	TMEM63B	IPI00514538	transmembrane protein 63B	126			
		Raft	1	0	0	0	TMEM63B	IPI00514538	transmembrane protein 63B	126			
269	NTA <sup>C</sup> QCKPGTFR	Non-raft	2	0	0	0	TNFRSF10A	IPI00021975	Tumor necrosis factor receptor superfamily member 10A precursor	188/190			
270	NTA <sup>C</sup> QCKPGTFR	Non-raft	1	0	0	0	TNFRSF10A	IPI00021975	Tumor necrosis factor receptor superfamily member 10A precursor	188			
271	YGQDYSTHWNDLLF <sup>C</sup> CLR	Non-raft	1	0	0	0	TNFRSF10B	IPI00296379	Isoform Long of Tumor necrosis factor receptor superfamily member 10B precursor	113			
272	LLEQAEAE <sup>C</sup> GQR	Non-raft	1	0	0	0	TNFRSF10D	IPI00294516	Tumor necrosis factor receptor superfamily member 10D precursor	326			
273	VFLDNNPWVCD <sup>C</sup> HMADMVTWLK	Non-raft	1	0	0	0	TPBG	IPI00009111	Trophoblast glycoprotein precursor	298/300			
274	IAVAAQN <sup>C</sup> CYK	Non-raft	0	1	0	0	TPI1	IPI00465028	Triosephosphate isomerase 1 variant	104			
275	IYGGSVTGAT <sup>C</sup> K	Non-raft	1	1	1	0	TPI1	IPI00465028	Triosephosphate isomerase 1 variant	255			
276	VVNTQ <sup>C</sup> GYDVR	Non-raft	0	0	1	0	TSPAN14	IPI00165394	Isoform 2 of Tetraspanin-14	183			
277	AV <sup>C</sup> MLSNTTAAIEAWAR	Non-raft	0	0	0	1	TUBA1A	IPI00180675	Tubulin alpha-3 chain	376	<a href="#">9247644</a>	20/213/376	Porcine
		Non-raft	0	0	0	1	TUBA1B	IPI00387144	Tubulin alpha-ubiquitous chain	376			
		Non-raft	0	0	0	1	TUBA8	IPI00646909	Tubulin alpha-8 chain	376			
278	TIQFVDW <sup>C</sup> PTGFK	Non-raft	0	1	0	0	TUBA1A	IPI00180675	Tubulin alpha-3 chain	347			
		Non-raft	0	1	0	0	TUBA1C	IPI00218343	Tubulin alpha-6 chain	347			
		Non-raft	0	1	0	0	TUBA8	IPI00646909	Tubulin alpha-8 chain	347			
279	YMAC <sup>C</sup> LLYR	Non-raft	1	0	0	0	TUBA1A	IPI00180675	Tubulin alpha-3 chain	316			
		Non-raft	1	0	0	0	TUBA1B	IPI00387144	Tubulin alpha-ubiquitous chain	316			
		Non-raft	1	0	0	0	TUBA1C	IPI00218343	Tubulin alpha-6 chain	316			

No.	Sequence	Fraction	Biological Replicates				Gene Symbol	Acc.Number	Description	Site	Reference	Known Sites	Organism
			1st EXP	1st CON	2nd EXP	2nd CON							
		Non-raft	1	0	0	0	TUBA4A	IPI00007750	Tubulin alpha-1 chain	316			
280	SIQFVDW <u>C</u> PTGFK	Non-raft	1	1	0	1	TUBA1B	IPI00387144	Tubulin alpha-ubiquitous chain	347			
		Raft	0	1	0	0	TUBA1B	IPI00387144	Tubulin alpha-ubiquitous chain	347			
		Non-raft	1	1	0	0	TUBA4A	IPI00007750	Tubulin alpha-1 chain	347			
281	TAV <u>C</u> DIPPR	Non-raft	0	0	0	1	TUBB	IPI00011654	Tubulin beta-2 chain	354			
		Non-raft	0	0	0	1	TUBB2A	IPI00013475	tubulin, beta 2	354			
		Non-raft	0	0	0	1	TUBB2C	IPI00007752	Tubulin beta-2C chain	354			
282	FIITALPTIYH <u>C</u> K	Non-raft	0	0	1	0	TXNDC1	IPI00395887	Thioredoxin domain-containing protein 1 precursor	116			
283	WGLGGT <u>C</u> VNVG <u>C</u> IPK	Non-raft	1	0	1	0	TXNRD1	IPI00554786	Thioredoxin reductase 1, cytoplasmic precursor	64			
		Non-raft	1	0	1	0	TXNRD2	IPI00157820	Isoform 2 of Thioredoxin reductase 2, mitochondrial precursor	91			
284	FSAVAL <u>C</u> K	Non-raft	1	0	0	0	UCHL1	IPI00018352	Ubiquitin carboxyl-terminal hydrolase isozyme L1	220			
285	QTIGNS <u>C</u> GITGLIHAVANNQDKLGFEDGSVLK	Non-raft	0	0	1	0	UCHL1	IPI00018352	Ubiquitin carboxyl-terminal hydrolase isozyme L1	90			
286	<u>A</u> CGLNFADLMAR	Non-raft	0	1	0	0	VAT1	IPI00156689	Synaptic vesicle membrane protein VAT-1 homolog	86			
287	AIANE <u>C</u> QANFISIK	Non-raft	1	0	0	1	VCP	IPI00022774	Transitional endoplasmic reticulum ATPase	535			
288	GVLFGPPG <u>C</u> CGK	Non-raft	1	0	0	0	VCP	IPI00022774	Transitional endoplasmic reticulum ATPase	522			
289	LGDVISIQ <u>P</u> CPDVK	Non-raft	1	1	1	1	VCP	IPI00022774	Transitional endoplasmic reticulum ATPase	105			
290	QAAP <u>C</u> VLFDELDLSIAK	Non-raft	1	1	0	0	VCP	IPI00022774	Transitional endoplasmic reticulum ATPase	572			
291	YQIDPDA <u>C</u> FSAK	Non-raft	1	1	0	0	VDAC1	IPI00216308	Voltage-dependent anion-selective channel protein 1	232			
292	ATHGQT <u>C</u> ARPM <u>C</u> IPPSYADLGK	Non-raft	1	0	0	0	VDAC2	IPI00216026	Isoform 1 of Voltage-dependent anion-selective channel protein 2	8/13			
293	ATHGQT <u>C</u> ARPM <u>C</u> IPPSYADLGK	Non-raft	1	1	0	0	VDAC2	IPI00216026	Isoform 1 of Voltage-dependent anion-selective channel protein 2	8			
294	QVQSLT <u>C</u> EVDAKGTNESLER	Raft	1	0	0	0	VIM	IPI00418471	Vimentin	328			
295	AANILVGENLV <u>C</u> K	Non-raft	0	0	1	0	YES1	IPI00013981	Proto-oncogene tyrosine-protein kinase Yes	410	<a href="#">7980442</a>	3 (probable)	Monkey
		Raft	0	0	1	0	YES1	IPI00013981	Proto-oncogene tyrosine-protein kinase Yes	410			
296	GGVNPFTNG <u>C</u> CNNVSR	Non-raft	1	0	0	0	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	236/237			
297	V <u>L</u> CSSPAPR	Non-raft	1	0	0	0	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	245			
298	TFFTSP <u>C</u> TEEPR	Non-raft	2	0	0	0	ZDHHC6	IPI00008350	Isoform 1 of Probable palmitoyltransferase ZDHHC6	343			

**Note 1.** No. = Number (see the 1st column).

**Note 2.** Acc. Number = Accession Number (see the 9th column)

**Note 3.** The peptide sequences (see the 2nd column) were assorted according to the Gene Symbols (see the 8th column).

**Note 4.** The peptide sequences (see the 2nd column) are only representative, since a maximum of one miscleavage gives rise to a maximum of 3 unique peptides.

**Note 5.** Cysteins in blue (bold and underlined, see the 2nd column) were carbamidomethylated, indicating they were potentially S-acylated prior to ABE reaction. Cysteines in red were modified by N-ethylmaleimide, indicating they were originally non-acylated.

**Table S5. Localization of S-acylation sites using the peptide-based procedure.**

No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site	
						1st Biological				2nd Biological															
						1st Tech		2nd Tech		1st Tech		2nd Tech													
						EXP	CON	EXP	CON	EXP	CON	EXP	CON												
1	<b>MLITSQAMDILR</b> <u>CN</u> PQK	495.50	4	47.0	Non-raft	1	0	0	0	0	0	0	0	1	0	3	1	3.00	1.099	0.016	-	IPI00022913	PRO1575	13	
		495.55	4	48.7	Raft	1	0	0	1	0	0	1	0	2	1						-	IPI00022913	PRO1575		
2	TLACAGLDV <u>CC</u> EGSEAGDAGTAGSSAR	650.45	4	47.0	Non-raft	0	0	0	0	0	1	0	0	0	1	0	1				-	IPI00024270	Hypothetical protein		
3	ADDLDFETGDAGASATFPM <u>QC</u> SALRK	920.71	3	81.0	Non-raft	0	0	0	1	2	0	0	1	2	2	7	5	1.40	0.336	0.284	-	IPI00218084	PREDICTED: similar to eukaryotic translation initiation factor 5A		
		920.61	3	92.3	Raft	1	1	1	2	1	0	2	0	5	3						-	IPI00218084	PREDICTED: similar to eukaryotic translation initiation factor 5A		
4	WEPGMVGAASSAAGESV <u>CV</u> QGCGR	599.71	4	44.3	Non-raft	0	0	0	0	0	0	0	1	0	1	0	1				-	IPI00295844	OTTHUMP0000031441		
5	AALFPQTTEEDSISVSDAPG <u>SC</u> IIDCNENTR	1105.20	3	55.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0				-	IPI00429529	HERV-K_12q14.1 provirus ancestral Gag polyprotein	111/115	
6	FISEPSTYVPAGSSATAWLARI <u>LC</u> QAR	697.14	4	55.5	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				-	IPI00447734	Em.AC008101.5 protein		
7	<b>G</b> CGRPGESSGR	355.21	3	46.8	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0				-	IPI00514009	Novel protein	213	
8	SEDPKIHMAISISLFLNLTLFNLVNGSSSQGPPAS <u>CW</u> VR	1076.36	4	44.2	Raft	0	1	0	0	0	0	0	0	0	1	0	1				-	IPI00552637	G-protein coupled receptor		
9	NVLQL <u>LC</u> CRMK	359.32	4	46.5	Raft	0	0	0	0	0	0	0	1	0	1	0	1				-	IPI00644570	18 kDa protein		
10	LSATIASGYCGSDAM <u>CL</u> VLR	682.02	3	44.8	Raft	0	1	0	0	0	0	0	0	0	1	0	1				-	IPI00646048	Novel protein		
11	LVIAAADPGARVGS <u>CL</u> GISAGIHLGEATGR	974.39	3	48.4	Raft	0	0	0	1	0	0	0	0	0	1	0	1				-	IPI00737515	PREDICTED: similar to Unc4.1 homeobox		
12	LGSPGCPGSPVAGTVHHPAQRPLAR	631.33	4	49.6	Raft	0	1	0	0	0	0	0	0	0	1	0	1				-	IPI00737760	PREDICTED: similar to BAH domain and coiled-coil containing 1		
13	<b>K</b> CLLLL <u>CL</u> QLR	601.61	2	61.0	Non-raft	0	0	1	0	1	0	1	0	3	0	6	0			H	-	IPI00747966	Conserved hypothetical protein	87/92	
		601.63	2	65.5	Raft	1	0	0	0	1	0	1	0	3	0						-	IPI00747966	Conserved hypothetical protein		
14	ASHQAGLV <u>CSS</u> QGRPEG <u>CG</u> DGR	550.32	4	47.2	Raft	0	0	1	0	0	0	0	0	1	0	1	0				-	IPI00748363	Similar to UDP-glucuronate decarboxylase	96	
15	HLNLGHPV <u>CT</u> LSK	355.33	4	55.6	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				-	IPI00748374	Similar to Ras suppressor protein 1		
16	LRISSLLH <u>CS</u> SSSDTLDR	722.44	3	56.3	Non-raft	0	0	0	0	0	1	0	2	0	3	2	4	0.50	-0.693	0.942	-	IPI00749362	CDNA FLJ38877 fis, clone MESAN2015277		
		722.30	3	50.7	Raft	1	0	1	1	0	0	0	0	2	1						-	IPI00749362	CDNA FLJ38877 fis, clone MESAN2015277		
17	MPSFHVLAQ <u>CL</u> GGPRNPLLGVEALFMT <u>CP</u> SLLR	907.53	4	44.1	Raft	0	1	0	0	0	0	0	0	0	1	0	1				AAAS	IPI00792062	7 kDa protein		
18	CAAAGSSSSGSAALDAD <u>CRL</u> K	552.84	4	46.2	Raft	1	0	0	0	0	0	0	0	1	0	1	0				ABHD12	IPI00060569	Isoform 2 of Abhydrolase domain-containing protein 12	34	
19	PQAAP <u>CL</u> SGAPQASAADV>VVHGGR	576.66	4	54.6	Non-raft	0	0	1	0	0	0	0	0	1	0	1	1	1.00	0.000	0.551	ACAA1	IPI00011522	Homo sapiens clone 23623		
		576.63	4	48.9	Raft	0	0	0	0	0	1	0	0	0	1						ACAA1	IPI00011522	Homo sapiens clone 23623		
20	GVAAL <u>CI</u> GGGMGIAM <u>CV</u> QR	456.89	4	47.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0				ACAT2	IPI00291419	Acetyl-CoA acetyltransferase, cytosolic	383/393	
21	TGATRGAQEP <u>CS</u> VVWPEPK	479.31	4	45.8	Raft	0	0	0	0	0	0	0	1	0	1	0	1				ACD	IPI00254484	Isoform 1 of Adrenocortical dysplasia protein homolog		
22	FRCPETLFQPSFIGMESAGIHETTYSIMK	1146.05	3	46.6	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1				ACTA1	IPI00021428	Actin, alpha skeletal muscle		
23	<b>FR</b> CP <u>EA</u> LFQPSFLGM <u>ES</u> GIHETTFSIMK	1183.39	3	115.6	Non-raft	3	0	1	0	2	0	0	0	6	0	19	0			H	ACTB	IPI00021439	Actin, cytoplasmic 1	272	
														0	0						ACTG1	IPI00021440	Actin, cytoplasmic 2	272	
		1183.33	3	114.6	Raft	6	0	5	0	1	0	1	0	13	0							ACTB	IPI00021439	Actin, cytoplasmic 1	
														0	0							ACTG1	IPI00021440	Actin, cytoplasmic 2	
24	<b>LCY</b> VALDFEQEMATAASSSSLEK	832.52	3	51.3	Raft	0	0	1	1	0	0	0	0	1	1	1	1	1.00	0.000	0.551	ACTB	IPI00021439	Actin, cytoplasmic 1		
														0	0							ACTG1	IPI00021440	Actin, cytoplasmic 2	
25	DDIAALVVDNNGSGM <u>CK</u>	883.41	2	137.8	Non-raft	6	8	6	8	5	10	7	8	24	34	80	82	0.98	-0.025	0.571	ACTB	IPI00021439	Actin, cytoplasmic 1		
		883.59	2	145.9	Raft	16	17	14	13	14	10	12	8	56	48							ACTB	IPI00021439	Actin, cytoplasmic 1	
26	EEEEIALVIDNNGSGM <u>CK</u>	911.15	2	114.8	Non-raft	4	7	1	7	5	11	5	8	15	33	77	87	0.89	-0.122	0.649	ACTG1	IPI00021440	Actin, cytoplasmic 2		
		919.04	2	144.7	Raft	17	15	17	16	14	15	14	8	62	54							ACTG1	IPI00021440	Actin, cytoplasmic 2	
27	ELPPDQAEY <u>CI</u> AR	752.86	2	47.6	Non-raft	0	1	0	0	0	0	0	0	0	1	12	9	1.33	0.288	0.320	ACTN4	IPI00013808	Alpha-actinin-4		
		753.09	2	63.3	Raft	3	4	5	4	2	0	2	0	12	8							ACTN4	IPI00013808	Alpha-actinin-4	
28	<b>CQ</b> LEINFNTLQTK	776.70	2	97.1	Raft	0	0	2	0	0	0	0	0	2	0	2	0			M	ACTN4	IPI00013808	Alpha-actinin-4	351	
29	AGRLPACVVD <u>CG</u> TGYTK	939.77	2	56.5	Non-raft	1	1	0	0	0	0	0	0	1	1	1	1	1.00	0.000	0.551	ACTR3	IPI00028091	Actin-like protein 3		
30	AGRLPACVVD <u>CG</u> TGYTK	940.21	2	47.1	Non-raft	1	1	2	2	1	2	0	2	4	7	5	8	0.63	-0.470	0.865	ACTR3	IPI00028091	Actin-like protein 3		
		939.51	2	65.4	Raft	1	1	0	0	0	0	0	0	1	1							ACTR3	IPI00028091	Actin-like protein 3	
31	<b>CG</b> VGCGGDNKS <u>CK</u>	474.10	3	46.7	Raft	0	0	0	1	0	0	0	0	0	1	0	1					ADAMTS15	IPI00152637	ADAMTS-15 precursor	
32	<b>NSGS</b> CL <u>CL</u> PR	525.54	2	75.1	Non-raft	2	0	2	0	2	0	1	0	7	0	7	0			H	ADCY3	IPI00028513	Adenylate cyclase type 3	46/48	
33	<b>CQ</b> PAPPIDEDLPEERPD	1019.08	2	74.7	Non-raft	2	0	0	0	2	0	0	0	4	0	4	0			H	ADORA1	IPI00026872	Adenosine A1 receptor	309	
34	AAGTAVGA <u>CA</u> SGGGPIGGGAR	426.13	4	46.0	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0					AGER	IPI00654858	Receptor for advanced glycosylation end-products deletion exon2-6 variant	10



No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
35	GPFVEAEPDVLDLECPDAK	1015.99	2	50.1	Non-raft	1	0	0	0	0	0	0	1	0	1	0		AHNAK	IPI00555610	313 kDa protein	1686			
36	SSGCVDNLPGVNVKLTGTGQISGPEIK	870.75	3	47.1	Non-raft	1	0	0	0	0	0	0	1	0	4	0		H	AHNAK	IPI00555610	313 kDa protein	2572		
		870.72	3	66.1	Raft	1	0	0	0	2	0	0	3	0				AHNAK	IPI00555610	313 kDa protein				
37	MEVLGHFGQSGNGYLELALPSARGVSVCLR	1060.16	3	47.0	Non-raft	1	0	0	0	0	0	0	1	0	1	0			AKAP13	IPI00386928	CDNA FLJ11952 fis, clone HEMBB1000831, weakly similar to Homo sapiens breast cancer nuclear receptor-binding auxiliary protein (BRX) mRNA	28		
38	FMNSGQTCVAPDYILCDPSIQNQIVEKLLK	1086.69	3	43.7	Raft	0	0	0	1	0	0	0	0	1	0	1			ALDH3A1	IPI00296183	Aldehyde dehydrogenase, dimeric NADP-preferring			
39	YASICQQNGIVPIVEPEILPDGDHDLK	989.32	3	48.8	Non-raft	1	0	0	0	0	0	0	1	0	1	0			ALDOC	IPI00418262	Fructose-bisphosphate aldolase C	178		
40	YYHVFREGELEGAQR	611.04	3	47.3	Non-raft	0	0	0	1	0	0	0	0	1	0	1			ALKBH8	IPI00154533	IMP dehydrogenase/GMP reductase family protein			
41	MAKMPSGCGESSAGNR	407.04	4	45.4	Raft	0	0	0	1	0	0	0	0	1	0	1			ALOX12	IPI00782956	22 kDa protein			
42	QNIDVFAQDMCRGDAEDYAISSHLLTK	993.35	3	46.4	Non-raft	0	0	1	0	0	0	0	1	0	1	0			ANKRD20A1	IPI00020265	Ankyrin repeat domain-containing protein 20A1	231		
43	SSSKPSCSLASGLK	451.41	3	46.1	Raft	0	0	1	0	0	0	0	1	0	1	0			ANKRD34C	IPI00741635	PREDICTED: similar to cytosolic phosphoprotein DP58 isoform 2	485		
44	AQQPAASSTCGQPPATGSEQTGPHIR	669.96	4	52.2	Raft	0	0	1	0	0	0	0	1	0	1	0			ANKRD6	IPI00032135	Isoform 1 of Ankyrin repeat domain-containing protein 6	607		
45	CSDNTEVEVSNLENKQPVESTSAK	870.30	3	44.8	Raft	0	0	1	0	0	0	0	1	0	1	0			ANLN	IPI00032958	Isoform 2 of Actin-binding protein anillin	71		
46	SCGEQNPELLPK	657.95	2	56.0	Raft	2	0	1	0	0	0	0	3	0	3	0		H	ANLN	IPI00032958	Isoform 2 of Actin-binding protein anillin	309		
47	MFCGDYVVGTFIPAPNFNPIMDAQMLGGALQGFCDK	1050.34	4	48.0	Raft	0	0	1	0	0	0	0	1	0	1	0			ANXA10	IPI00296528	Annexin A10	35		
48	GLGTDEDSLIEIICSR	861.05	2	72.4	Non-raft	0	1	1	2	0	0	0	1	3	2	8	0.25	-1.386	0.999	ANXA2P2	IPI00334627	Similar to annexin A2 isoform 1		
		861.21	2	72.3	Raft	0	2	0	2	1	0	0	1	5					ANXA2P2	IPI00334627	Similar to annexin A2 isoform 1			
49	STVHEILCKLSLEGDHSTPPSAYGSVK	967.26	3	104.9	Non-raft	2	3	5	4	4	5	3	3	14	15	33	24	1.38	0.318	0.297	ANXA2P2	IPI00334627	Similar to annexin A2 isoform 1	
		966.81	3	111.0	Raft	4	2	5	4	6	1	4	2	19	9					ANXA2P2	IPI00334627	Similar to annexin A2 isoform 1		
50	MCFSATTDLGRGAVGNVSVLGR	564.28	4	52.3	Raft	0	0	0	1	0	0	0	0	1	0	1			AP3S1	IPI00014624	Adapter-related protein complex 3 sigma 1 subunit			
51	MSATWCSPEQGGMQGPQREVGGNSAASGPASPIR	1150.41	3	47.1	Raft	0	0	0	0	0	0	1	0	1	0	1	0			APLN	IPI00419611	Apelin, AGTRL1 ligand	6	
52	CCALGRGTAWAACPGGACGLMGEADPSPPHCQQGQGK	1027.27	4	45.1	Raft	0	0	0	1	0	0	0	0	1	0	1			ARHGAP27	IPI00795597	7 kDa protein			
53	GCGAFCHDDCIGPSKLCVSLVVR	684.25	4	46.0	Raft	0	0	0	0	0	1	0	0	1	0	1			ASXL2	IPI00384569	Hypothetical protein KIAA1685			
54	MDCSLVR	433.33	2	57.4	Non-raft	0	0	0	0	0	0	2	0	2	0	0		M	ATP11A	IPI00255653	Probable phospholipid-transporting ATPase IH	3		
55	YCAGEENWVDSR	678.99	2	62.6	Non-raft	3	0	2	0	3	0	2	0	10	0	14	0		H	ATP11A	IPI00255653	Probable phospholipid-transporting ATPase IH	14	
		715.10	2	84.6	Raft	2	0	2	0	0	0	0	4	0					ATP11A	IPI00255653	Probable phospholipid-transporting ATPase IH			
56	AAAAVGNVAVPCGARGVVRPDGQPKPGQPQR	1078.46	3	45.1	Non-raft	1	0	0	0	0	0	0	1	0	1	0			ATP13A1	IPI00034277	Isoform A of Probable cation-transporting ATPase 13A1	18		
57	IISANGCKVDNSSLTGESEPQTR	803.03	3	75.9	Non-raft	2	1	4	2	2	2	1	2	9	7	16	10	1.60	0.470	0.198	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	
		803.03	3	85.0	Raft	1	2	2	1	2	0	2	0	7	3					ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor		
58	LIIVEGCQR	515.61	2	52.8	Non-raft	1	0	1	0	0	0	0	2	0	2	0		M	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	705		
59	NIAFFSTNCVEGTAR	815.66	2	87.1	Non-raft	2	1	2	2	2	0	1	0	7	3	7	3	2.33	0.847	0.052	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	249
60	NLEAVEITLGTSTICSDKTGTLTQNR	914.46	3	64.9	Non-raft	2	0	2	0	1	0	0	5	0	7	0		H	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	374		
													0	0						ATP1A2	IPI00003021	Sodium/potassium-transporting ATPase alpha-1 chain precursor	372	
		914.43	3	52.9	Raft	1	0	0	0	0	0	1	0	2	0					ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor		
													0	0						ATP1A2	IPI00003021	Sodium/potassium-transporting ATPase alpha-2 chain precursor		
61	NKILIFGLEETALAAFLSYCPGMGVALR	1038.65	3	46.9	Raft	0	0	0	0	0	0	1	0	1	0	1	0			ATP1A2	IPI00003021	Sodium/potassium-transporting ATPase alpha-2 chain precursor	958	
62	GAPESVIERCSSVR	373.15	4	47.8	Non-raft	0	0	0	0	0	1	0	0	0	1	0	1			ATP2A3	IPI00004092	Isoform SERCA3B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 3		
63	ILAAQGCQKVDNSSLTGESEPQTR	802.78	3	104.8	Non-raft	0	1	0	0	0	0	0	0	1	0	1				ATP4A	IPI00218919	Potassium-transporting ATPase alpha chain 1		
64	AGCCWEVLR	469.63	2	58.1	Non-raft	2	0	0	0	0	0	0	2	0	2	0		M	ATP9A	IPI00024368	Isoform Long of Probable phospholipid-transporting ATPase IIA	24/25		

No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
65	LRSPPPA <b>C</b> ASGAGPAGGVSLLLPR	561.89	4	53.2	Non-raft	0	0	0	0	0	0	1	0	1	0			B3GALNT2	IP100744286	Isoform 2 of UDP-GalNAc:beta-1,3-N-acetylgalactosaminyltransferase 2	30			
66	SVEDVRPHHTDANNQSA <b>C</b> FEAPDQK	932.77	3	53.4	Raft	0	0	0	0	0	0	1	0	1	0			BAT2D1	IP100083708	HBxAg transactivated protein 2	897			
67	LNVFAPKPEATEVSPNKGTLVSMEDSAQEIAT <b>C</b> NSR	1247.33	3	71.5	Non-raft	0	1	0	0	0	0	0	0	0	1			BCAM	IP100002406	Lutheran blood group glycoprotein precursor				
68	SSEHINEGETAMLV <b>C</b> K	874.64	2	78.7	Non-raft	2	2	2	2	1	0	2	1	7	5	1.13	0.118	0.454	BSG	IP100019906	Isoform 2 of Basigin precursor			
		874.67	2	67.0	Raft	1	0	1	1	0	2	0	0	2	3			BSG	IP100019906	Isoform 2 of Basigin precursor				
69	SAASSVSFSFPGGGGGGAAAAAA <b>C</b> R	550.13	4	50.0	Raft	1	0	0	0	0	0	0	0	1	0			C11orf61	IP100439946	c11orf61 protein	99			
70	ML <b>C</b> TAAYRSLPFYIK	449.60	4	48.6	Non-raft	0	0	1	0	0	0	0	0	1	0			C12orf65	IP100794143	Hypothetical short protein	15			
71	<b>A</b> TSVL <b>C</b> CLR	504.58	2	78.8	Non-raft	2	0	2	0	2	0	3	0	9	0			H	C13orf1	IP100030959	24 kDa protein	7/8		
		504.35	2	69.5	Raft	1	0	0	0	2	0	0	0	3	0			C13orf1	IP100030959	24 kDa protein				
72	SRFPY <b>C</b> VVWTPIPVLTFWFFPIIHMGI <b>C</b> TSTGVIR	1000.07	4	45.1	Non-raft	0	0	0	0	0	0	1	0	1	0			C1orf160	IP100030236	Isoform 1 of Uncharacterized protein C1orf160	55			
73	IDL <b>C</b> LSSEGSEVILATSSDEK	549.98	4	45.4	Non-raft	0	0	0	1	0	0	0	0	0	1			C1orf41	IP100098827	Placental protein 25				
74	ALVLD <b>C</b> HYPEDEVQGEDEAESDIFSIR	1027.36	3	48.6	Non-raft	0	1	0	1	0	0	0	0	0	2			C1QBP	IP100014230	Complement component 1 Q subcomponent-binding protein, mitochondrial precursor				
75	<b>C</b> QAGLGSQSPVSSGR	444.84	3	63.5	Non-raft	0	0	0	0	0	0	1	0	1	0			C20orf81	IP100098823	Tissue plasminogen activator (Fragment)				
76	TLIKEIQSPLSSI <b>C</b> DGSIADAEPTQPASLPR	1151.36	3	45.5	Non-raft	0	0	1	0	0	0	0	0	1	0			C2orf44	IP100018786	CDNA: FLJ21945 fis, clone HEP04702	507			
77	VVSVLPRALS <b>C</b> SPVPHLHR	728.33	3	50.0	Non-raft	1	0	0	0	0	0	0	0	1	0			C5orf34	IP100374273	CDNA FLJ32363 fis, clone PUAEN1000081	304			
78	<b>V</b> AAQAFREGENTQVAEPEA <b>C</b> DQMYESLAR	1048.57	3	50.1	Non-raft	0	0	2	0	0	0	0	0	2	0			M	C6orf125	IP100031617	Protein C6orf125	53		
79	RTFPNIQ <b>L</b> CFMLTTH	575.06	3	47.3	Raft	0	0	0	0	0	1	0	0	0	1			C7orf34	IP100064738	Isoform 1 of Protein c7orf34 precursor				
80	AGIF <b>L</b> LEMAGGQASVVIIGSAGVL <b>G</b> CR	1048.57	3	50.1	Non-raft	1	0	0	0	0	0	0	0	1	0			CAMK2G	IP100555954	Calcium/calmodulin-dependent protein kinase II gamma isoform 6 variant (Fragment)	5			
81	<b>M</b> FSC <b>V</b> KPYEQNYSALRR	750.85	3	47.5	Non-raft	0	0	0	0	0	0	1	0	1	0			H	CAPN5	IP100643994	CDNA FLJ46245 fis, clone TESTI4020596, highly similar to Homo sapiens calpain 5	44		
		750.93	3	76.3	Raft	3	0	2	0	2	0	0	0	7	0				CAPN5	IP100643994	CDNA FLJ46245 fis, clone TESTI4020596, highly similar to Homo sapiens calpain 5			
82	<b>C</b> FSSVSLQLSQD	658.01	2	77.5	Raft	2	0	1	0	2	0	2	0	7	0			H	CAV2	IP100019870	Isoform Alpha of Caveolin-2	151		
83	<b>S</b> VTDVIIAP <b>L</b> CTSVGR	815.73	2	45.5	Non-raft	1	0	0	0	0	0	0	0	1	0			M	CAV2	IP100019870	Isoform Alpha of Caveolin-2	145		
		816.14	2	53.6	Raft	0	0	1	0	0	0	0	0	1	0				CAV2	IP100019870	Isoform Alpha of Caveolin-2			
84	<b>A</b> NCEFSPVSGDK <b>P</b> CCR	919.70	2	73.8	Raft	2	0	0	0	0	0	0	0	2	0			M	CD38	IP100006071	Isoform 1 of ADP-ribosyl cyclase 1	15/16		
85	MPEEGSG <b>C</b> SVR	576.55	2	63.6	Non-raft	0	0	0	0	1	0	0	0	1	0				CD70	IP100031713	Tumor necrosis factor ligand superfamily member 7	8		
86	<b>C</b> NPGFSSFSEIITPTTET <b>C</b> DDINE <b>C</b> ATPSKVS <b>C</b> GK	1353.92	3	56.2	Non-raft	0	0	0	1	0	0	0	0	0	1				CD97	IP100299412	Isoform 2 of CD97 antigen precursor			
87	<b>C</b> NPGFSSFSEIITPTTET <b>C</b> DDINE <b>C</b> ATPSKVS <b>C</b> GK	1354.00	3	73.5	Non-raft	0	0	0	1	0	0	0	0	0	1				CD97	IP100299412	Isoform 2 of CD97 antigen precursor			
88	<b>W</b> ACL <b>V</b> AGGSKYSEFTSTTSGTGHNQTR	950.09	3	74.6	Non-raft	1	0	2	0	0	0	0	0	3	0			H	CD97	IP100299412	Isoform 2 of CD97 antigen precursor	709		
89	LFQKQLQM <b>C</b> QSPGGAGGTVLGEAPDVL <b>S</b> MLGADK	895.40	4	45.4	Raft	0	1	0	0	0	0	0	0	0	1				CDAN1	IP100217439	Isoform 1 of codanin-1			
90	DSSSLSS <b>C</b> TSGILEER	418.88	4	44.1	Raft	0	0	0	0	0	1	0	0	0	1				CDC42EP4	IP100015894	cdc42 effector protein 4			
91	<b>L</b> G <b>C</b> C <b>V</b> VEKPQPK	713.55	2	66.0	Non-raft	3	0	2	0	3	0	3	0	11	0			H	CDC42SE1	IP100024972	CDC42 small effector 1	10		
92	<b>L</b> G <b>C</b> C <b>V</b> VEKPQPK	713.62	2	74.3	Non-raft	5	0	2	0	3	0	1	0	11	0			H	CDC42SE1	IP100024972	CDC42 small effector 1	11		
93	<b>L</b> G <b>C</b> C <b>V</b> VEKPQPK	650.96	2	59.6	Non-raft	4	0	2	0	5	0	5	0	16	0			H	CDC42SE1	IP100024972	CDC42 small effector 1	10/11		
	SEFWHLG <b>C</b> C <b>V</b> VEKPQPK	720.31	3	66.5	Raft	0	0	0	0	2	0	0	0	2	0				CDC42SE1	IP100024972	CDC42 small effector 1	10/11		
94	QRLMMLLATSGA <b>L</b> GLLAVA <sup>AAAA</sup> AAGANPAQR	1056.87	3	43.5	Raft	0	0	0	0	0	0	1	0	1	0				CDH5	IP100012792	cadherin-5 precursor	14		
95	MEAGGATGALGV <b>G</b> CK	447.13	3	44.4	Non-raft	0	0	1	0	0	0	0	0	1	0				CDK3	IP100023503	Cell division protein kinase 3	14		
96	<b>S</b> SSSSSSSSSSSS <b>C</b> SHSR	496.03	4	45.8	Non-raft	0	0	1	0	0	1	0	0	1	1	1.00	0.000	0.551	CHD9	IP100383105	Isoform 1 of Chromodomai-helicase-DNA-binding protein 9			
97	MAAEATAVAGSAGV <b>G</b> CLAK	444.90	4	55.7	Raft	0	0	1	0	0	0	0	0	1	0				CHKB	IP100376947	choline/ethanolamine kinase isoform b	17		
98	<b>S</b> SSSSASAAAAAASSAS <b>C</b> SR	1016.79	2	174.6	Non-raft	3	0	2	0	0	0	0	0	5	0			H	CKAP4	IP100141318	Isoform 1 of Cytoskeleton-associated protein 4	100		
		1017.10	2	182.1	Raft	6	0	6	0	5	0	8	0	25	0				CKAP4	IP100141318	Isoform 1 of cytoskeleton-associated protein 4			
99	ARLVLTSGIVFVIGVLTLPV <b>C</b> WTAHAIR	1107.74	3	44.1	Non-raft	0	0	0	0	1	0	0	0	1	0				CLDN6	IP100011084	Claudin-6	137		
100	<b>L</b> C <b>V</b> WVPLLALGVGSGGGGDSRQR	615.15	4	47.2	Non-raft	0	0	1	0	0	0	0	0	1	0				CLSTN2	IP100005491	Calsyntenin-2 precursor	7		
101	KFPVPGHVIVESGNHSFVGYINS <b>C</b> CNIYR	1137.37	3	46.9	Raft	0	0	0	0	0	0	1	0	1	0				CNBD1	IP100167918	cDNA FLJ35802 fis, clone TESTI2005948	367		
102	LGTDK <b>C</b> DNSSMSLQMGYTQGANQSGQVFLGR	1118.02	3	94.0	Non-raft	2	0	0	2	1	2	0	1	3	5	0.86	-0.154	0.673	CNN2	IP100015262	Calponin-2			
		1118.60	3	102.0	Raft	2	1	1	1	0	0	0	0	3	2				CNN2	IP100015262	calponin-2			
103	<b>K</b> CEPIIMTVPR	643.99	2	66.3	Raft	2	2	2	0	2	0	1	0	7	2	3.50	1.253	0.007	CORO1C	IP100008453	coronin-1c	396		
104	<b>S</b> CTVEAVR	433.30	2	44.1	Non-raft	0	0	1	0	0	0	0	0	1	0				CROT	IP100292763	Peroxisomal carnitine O-octanoyltransferase	458		
105	GLESTTLADKDGEI <b>V</b> CK	922.02	2	58.0	Non-raft	0	1	0	0	0	0	0	0	0	1				CSRPI	IP100442073	Cysteine and glycine-rich protein 1			

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
106	MMCGPSATQPTAETAETQHIADQVR	1278.82	2	83.5	Non-raft	0	0	2	0	0	0	0	2	0	2	0		M	CSTB	IPI00021828	Cystatin B	3		
107	CIVHSPNTNPGFMTCSDDFR	563.97	4	44.5	Raft	0	0	1	0	0	0	0	1	0	1	0			CSTF1	IPI00011528	cleavage stimulation factor 50 kDa subunit	415		
108	IGSVLAVFEAAASAQSAGASQSRVASGGCVRPARPER	1206.21	3	44.6	Non-raft	0	0	0	0	0	0	1	0	1	0	1			CTDP1	IPI00410256	Isoform 1 of RNA polymerase II subunit A C-terminal domain phosphatase			
109	MSASQLEALCPQVINAALALAAKPOSK	918.87	3	47.3	Raft	0	0	1	0	0	0	0	1	0	1	0			CTNNA1	IPI00215948	Isoform 1 of catenin alpha-1	461		
110	YQEAAPNVANNTGPHAASCFCGAK	1159.80	2	113.9	Non-raft	7	0	4	0	5	0	4	0	20	0	36	0	H	CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1	618		
		1160.00	2	109.9	Raft	4	0	4	0	4	0	4	0	16	0				CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1			
111	CYVDGSEIIGSDFK	775.53	2	58.1	Non-raft	0	0	1	0	0	0	0	1	0	1	0			CXADR	IPI00019146	Isoform 1 of Coxsackievirus and adenovirus receptor precursor	146		
112	DTANHNAMSSVATDMSCDHLK	798.33	3	50.9	Non-raft	0	0	0	0	0	0	1	0	1	0	1			CXXC6	IPI00303112	CXXC-type zinc finger protein 6			
113	CRLECGEGLRPLVDGTVTAAYCLLGGASPAAAGRP LR	1303.18	3	47.0	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0			CXYorf2	IPI00303903	Chromosome X and Y open reading frame 2	22/29/40	
114	EEGPPATATAFLGGCGLSAPTGDYGFADGKPCVA GALTAVAGEEELR	1209.61	4	50.7	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0			DCHS1	IPI00064262	Protocadherin-16 precursor	3153	
115	LLATLGLGDVCTLSCVLCASSVLVERR	730.32	4	51.8	Non-raft	0	0	0	0	0	0	1	0	1	0	1			DCTN1	IPI00555695	Dynactin 1 isoform 1 variant (Fragment)			
116	LFQLQMCYEYLKIVNEIK	529.10	4	51.4	Raft	0	0	0	0	0	1	0	0	1	0	1			DDEF1	IPI00376976	Isoform 1 of 130 kDa phosphatidylinositol 4,5-biphosphate-dependent ARF1 GTPase- activating protein			
117	EILSRCCALEPSLHGACNIR	729.03	3	46.3	Raft	1	0	0	0	0	0	0	1	0	1	0			DDO	IPI00015389	Isoform DDO-1 of D-aspartate oxidase	258/259/269		
118	VRPCVVYGGADIGQQIRDLE	587.02	4	70.5	Raft	2	0	1	0	1	0	0	4	0	4	0		H	DDX3X	IPI00215637	ATP-dependent RNA helicase DDX3X	298		
119	QDLGGTCVNEGCIPTK	881.18	2	79.4	Raft	0	1	0	0	1	0	1	1	2	2	2	2	1.00	0.000	0.551	DERP12	IPI00382990	DERP12	
120	QDLGGTCVNEGCIPTK	880.66	2	52.1	Raft	0	1	0	1	0	1	0	0	3	0	3				DERP12	IPI00382990	DERP12		
121	QDLGGTCVNEGCIPTK	818.66	2	94.1	Raft	0	0	0	0	1	0	1	0	2	0	2	0		M	DERP12	IPI00382990	DERP12	45/50	
122	NTPCSENKLDIQEK	810.05	2	44.6	Raft	0	0	1	0	0	0	0	1	0	1	0				DHX36	IPI00027415	Isoform 1 of Probable ATP-dependent RNA helicase DHX36	135	
123	AAECNIVVTQPR	650.98	2	65.3	Raft	1	1	2	2	2	0	1	0	6	3	6	3	2.00	0.693	0.095	DHX9	IPI00844578	ATP-dependent RNA helicase A	438
124	DKDDDDGGEDDDANCLICGDEYGPETR	1019.59	3	75.0	Raft	2	0	2	0	1	0	0	5	0	5	0		H	DHX9	IPI00844578	ATP-dependent RNA helicase A	608		
125	DKDDDDGGEDDDANCLICGDEYGPETR	1019.92	3	51.3	Raft	1	0	0	0	0	1	1	0	2	1	2	1	2.00	0.693	0.095	DHX9	IPI00844578	ATP-dependent RNA helicase A	612
126	TGPLAATRGRHDCAR	476.10	3	46.2	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1			DIO1	IPI00451418	Isoforms of Type I iodotyrosine deiodinase		
127	VSMEQCQGGVEGQIPGR	444.93	4	49.7	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0			DLGAP4	IPI00445781	CDNA FLJ43393 fis, clone OCBBF2007610, highly similar to Rattus norvegicus PSD-95/SAP90-associated protein-4	232	
128	TTQLGPGRGMQTEVVCDECPNVK	936.47	3	48.1	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1			DNAJB11	IPI00008454	DnaJ homolog subfamily B member 11 precursor		
129	AITIANQTNCPLYITK	882.60	2	79.1	Non-raft	2	1	2	0	0	0	0	4	1	4	1	4.00	1.386	0.003	DPYSL2	IPI00257508	Dihydropyrimidinase-related protein 2	248	
130	GLYDGPVCEVSVTPK	783.23	2	62.6	Non-raft	0	1	0	0	1	0	0	1	1	1	1	1.00	0.000	0.551	DPYSL2	IPI00257508	Dihydropyrimidinase-related protein 2		
131	QKPATETSMNTASHSLCEQTMVNSENTYSSGSSFPV PK	1359.75	3	49.9	Raft	1	0	0	0	0	0	0	1	0	1	0				DSG2	IPI00028931	desmoglein 2 preproprotein	871	
132	YPGTTRVAYLPDCPEGNK	496.08	4	49.9	Non-raft	0	0	0	0	0	0	1	0	1	0	1				DTX3	IPI00148820	Isoform 2 of Protein dextex-3		
133	CSGPLGIEGGIISNQITASSTHR	809.61	3	99.1	Raft	2	0	2	0	2	1	1	0	7	1	7	1	7.00	1.946	0.000	EDIL3	IPI00306046	Isoform 1 of EGF-like repeat and discoidin 1-like domain-containing protein 3 precursor	158
134	MQPPPSLCGRALVALVLAACGLSR	784.98	3	44.4	Non-raft	0	0	0	1	0	0	0	0	1	0	1				EDNRB	IPI00029123	Isoform A of Endothelin B receptor precursor		
135	SGDAIVDMVPGKPMCEVESFDYPLGR	832.78	4	47.7	Non-raft	4	2	1	6	2	2	2	2	9	12	21	17	1.24	0.211	0.378	EEF1A1	IPI00025447	EEF1A1 protein	
		980.58	3	64.0	Raft	4	1	3	1	3	1	2	2	12	5					EEF1A1	IPI00025447	EEF1A1 protein		
136	SGDAIVEMVPGKPMCEVESFQYPLGR	989.39	3	62.0	Raft	1	2	2	1	0	0	1	0	4	3	4	3	1.33	0.288	0.320	EEF1A2	IPI00014424	Elongation factor 1-alpha 2	
137	SSILLDVKPWDEDTMAKLEE_CVR	932.10	3	73.4	Raft	1	0	1	0	0	0	0	2	0	2	0		M	EEF1B2	IPI00178440	Elongation factor 1-beta	161		
138	AAAPAPEEEMDECFQALAAEPK	1150.75	2	61.4	Non-raft	0	3	2	2	0	1	1	0	3	6	19	16	1.19	0.172	0.410	EEF1G	IPI00000875	Elongation factor 1-gamma	
		1151.41	2	100.0	Raft	5	4	3	4	4	1	4	1	16	10					EEF1G	IPI00000875	Elongation factor 1-gamma		
139	CELLYEGPPDDEAAMGK	976.54	2	46.2	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0			EEF2	IPI00186290	Elongation factor 2	369	
140	SDPVVSYRETVEESNVL_CLSK	814.56	3	45.3	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0			EEF2	IPI00186290	Elongation factor 2	591	
141	LFASIECEGQLFMTPTYDFILAVTTDEPKVAK	870.69	4	55.9	Raft	0	0	0	1	0	0	0	0	1	0	1				EFHA2	IPI00329209	EF-hand domain-containing family member A2		
142	KPSIAAVVGSMDGHPSTRYCATVR	605.73	4	46.0	Raft	0	0	0	0	0	0	0	1	0	1	0	1			EIF2C3	IPI00030602	Eukaryotic translation initiation factor 2c 4		
143	SCGSSTPDEFFTDPITGK	920.15	2	50.8	Raft	1	0	1	0	0	0	2	0	4	0	4	0		H	EIF2S3	IPI00297982	Eukaryotic translation initiation factor 2 subunit 3	105	
144	GMLLFLCTSMTWKLLK	476.11	4	45.8	Raft	0	1	0	0	0	0	0	0	1	0	1	0			EIF4G2	IPI00654814	Hypothetical protein Nbla00315		
145	CGGSPGAYGGGEACAGVKSSGSGR	550.27	4	46.5	Raft	0	0	0	0	1	0	0	0	1	0	1	0			EIF6	IPI00375391	integrin beta 4 binding protein isoform c	50	
146	APGAASLLCAPDANCPPDGSQPAAGAGASK	699.30	4	46.6	Raft	0	0	1	0	0	0	0	0	1	0	1	0			EN1	IPI00016734	Homeobox protein engrailed-1	171	

No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
147	I <u>C</u> CLHKPGGSLTGAKLQD <u>C</u> MSR	798.58	3	45.3	Raft	0	0	0	0	1	0	0	0	1	0	1	0			EXOSC8	IPI00552920	Exosome complex exonuclease RRP43	233/234/251	
148	AVLT <u>C</u> SEQDQSPPEYTFWKDGIVMPTNPK	1100.55	3	85.8	Non-raft	0	2	0	2	2	0	0	0	2	4	2	4	0.50	-0.693	0.942	F11R	IPI00001754	Junctional adhesion molecule A precursor	
149	G <u>S</u> CARPFPPTVTK	441.09	3	44.9	Raft	0	0	0	0	0	1	0	0	0	1	0	1			FBN3	IPI00438355	Fibrillin-3 precursor		
150	AAPAPGAGAASGGAG <u>C</u> SGGGAGAGAGSGSGAAGA GGRLPSR	1037.30	3	45.1	Non-raft	1	0	0	0	0	0	0	0	1	0	2	0			M	FBXO45	IPI00174438	PREDICTED: similar to F-box protein 45 isoform 2	17
	MAAPAPGAGAASGGAG <u>C</u> SGGGAGAGAGSGSGAAG AGGRLPSR	1081.69	3	44.7	Raft	0	0	0	0	1	0	0	0	1	0						FBXO45	IPI00174438	PREDICTED: similar to F-box protein 45 isoform 2	
151	<u>LDL</u> PNRPETSFLWFTNP <u>C</u> K	760.70	3	87.5	Non-raft	2	0	3	0	4	0	2	0	11	0	19	0			H	FER1L3	IPI00021048	Isoform 1 of Myoferlin	2013
		760.25	3	84.6	Raft	2	0	3	0	1	0	2	0	8	0						FER1L3	IPI00021048	Isoform 1 of Myoferlin	
152	SSLRAGGGGGGGGGGGGGGAPV <u>C</u> GASGL <u>C</u> K	812.27	3	53.3	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				FEZF2	IPI00154618	FEZ family zinc finger 2	121/127
153	<u>CL</u> CVAFQLHLPLSQR	464.12	4	46.5	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0				FLJ31033	IPI00853133	hypothetical protein LOC91351	300
154	VLP <u>CC</u> QAGLELLDSSLDPASASQAGIIGPR	1024.29	3	44.1	Raft	0	0	0	0	1	0	0	0	1	0	1	0				FLJ31222	IPI00788134	FLJ31222 protein	22/23
155	TGRSVSA <u>CC</u> APRPTHSSATQASMLPAPT <u>AC</u> SRPV <u>C</u> CLR	1064.89	4	71.3	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				FLJ31568	IPI00043300	CDNA FLJ31568 fis, clone NT2R12001595	97/98/125
156	TTSPQQEILLQSLPEG <u>C</u> PGR	539.38	4	46.8	Raft	0	1	0	0	0	0	0	0	0	1	0	1				FLJ31713	IPI00043522	cDNA FLJ31713 fis, clone NT2R12006487	
157	ALGALVDS <u>C</u> APGLCPDWSDWASKPVTNAR	1081.76	3	47.5	Raft	1	0	0	0	0	0	0	0	1	0	1	0				FLNA	IPI00302592	filamin 1	205
158	AT <u>C</u> APQHGAAGPGPADASKVVAK	711.22	3	73.7	Non-raft	2	2	0	0	2	0	2	0	6	2	10	6	1.67	0.511	0.176	FLNA	IPI00302592	filamin 1	2535
		711.06	3	75.2	Raft	2	2	2	2	0	0	0	0	4	4						FLNA	IPI00302592	filamin 1	
159	<u>C</u> SGPLSPGMVR	580.56	2	61.4	Non-raft	2	0	1	0	1	0	0	0	4	0	7	2	3.50	1.253	0.007	FLNA	IPI00302592	filamin 1	1165
		581.04	2	82.2	Raft	1	1	2	1	0	0	0	0	3	2						FLNA	IPI00302592	filamin 1	
160	<u>C</u> SYQPTMEGVHTVHVTFAGVPIPR	876.57	3	65.1	Non-raft	2	1	2	2	1	0	0	0	5	3	9	5	1.80	0.588	0.137	FLNA	IPI00302592	filamin 1	444
		876.59	3	82.9	Raft	2	1	2	1	0	0	0	0	4	2						FLNA	IPI00302592	filamin 1	
161	IVGPSAAV <u>P</u> C <u>K</u>	798.37	3	98.6	Non-raft	2	4	4	2	2	2	2	2	10	10	22	21	1.05	0.047	0.510	FLNA	IPI00302592	filamin 1	
	IVGPSAAV <u>P</u> C <u>K</u> VEPLGADNSVVR	798.54	3	99.9	Raft	6	4	4	3	1	2	1	2	12	11						FLNA	IPI00302592	filamin 1	
162	SPYTVTVGQA <u>C</u> NPS <u>A</u> C <u>R</u>	940.04	2	86.4	Non-raft	2	0	0	0	0	0	0	0	2	0	5	4	1.25	0.223	0.369	FLNA	IPI00302592	filamin 1	
		940.61	2	114.0	Raft	2	3	1	1	0	0	0	0	3	4						FLNA	IPI00302592	filamin 1	
163	SPYTVTVGQA <u>C</u> NPS <u>A</u> C <u>R</u>	940.46	2	107.8	Non-raft	2	2	2	2	2	2	2	2	8	8	16	13	1.23	0.208	0.381	FLNA	IPI00302592	filamin 1	
		940.68	2	113.0	Raft	4	2	4	3	0	0	0	0	8	5						FLNA	IPI00302592	filamin 1	
164	<u>SPY</u> TVTVGQA <u>C</u> NPS <u>A</u> C <u>R</u>	877.67	2	100.4	Raft	2	0	2	0	0	0	0	0	4	0	4	0			H	FLNA	IPI00302592	filamin 1	477/483
165	SSFTV <u>D</u> C <u>S</u> K	487.73	2	59.7	Raft	1	1	0	0	0	0	0	0	1	1	1	1	1.00	0.000	0.551	FLNA	IPI00302592	filamin 1	
166	VGSAADIPINISETDLSLLTATVPPSGREEP <u>CL</u> LK	1236.40	3	102.1	Raft	2	0	3	1	0	0	0	0	5	1	5	1	5.00	1.609	0.001	FLNA	IPI00302592	filamin 1	1989
167	VHSPSGALEE <u>C</u> YVTEIQDKYAVR	880.63	3	60.2	Non-raft	0	0	0	0	0	0	1	0	0	1	4	1	4.00	1.386	0.003	FLNA	IPI00302592	filamin 1	2370
		678.60	4	115.6	Raft	2	0	2	0	0	0	0	0	4	0						FLNA	IPI00302592	filamin 1	
168	VQVQDNE <u>G</u> CPVEALVKDNGNGTYS <u>C</u> SYVPR	1123.60	3	60.2	Raft	1	0	0	0	0	0	0	0	1	0	1	0				FLNA	IPI00302592	filamin 1	777
169	YGGQVPVPNPFPSKLQVEPAVDTSV <u>G</u> Q <u>C</u> YGPGEQGVFR	1327.44	3	100.5	Non-raft	1	0	2	0	1	0	0	0	4	0	8	4	2.00	0.693	0.095	FLNA	IPI00302592	filamin 1	1260
		1327.85	3	160.1	Raft	2	1	2	3	0	0	0	0	4	4						FLNA	IPI00302592	filamin 1	
170	<u>AG</u> SNMLLIGVHGPTT <u>P</u> CEEVSMK	791.25	3	73.9	Non-raft	3	0	2	0	1	0	1	0	7	0	18	1	18.00	2.890	0.000	FLNB	IPI00289334	Isoform 1 of Filamin-B	2556
		791.82	3	96.1	Raft	4	0	6	1	0	0	1	0	11	1						FLNB	IPI00289334	Isoform 1 of Filamin-B	
171	AHIANPSGASTE <u>C</u> FVTDNADGTYQVEYTPFEK	1155.26	3	80.2	Non-raft	2	0	2	0	0	0	0	0	4	0	8	2	4.00	1.386	0.003	FLNB	IPI00289334	Isoform 1 of Filamin-B	1280
		1155.23	3	109.8	Raft	2	1	2	1	0	0	0	0	4	2						FLNB	IPI00289334	Isoform 1 of Filamin-B	
172	APS VATVGS <u>C</u> DLNLKPIEINSSDMSAHTVSPSGR	1185.74	3	99.2	Raft	1	0	0	1	0	0	0	0	1	1	1	1	1.00	0.000	0.551	FLNB	IPI00289334	Isoform 1 of Filamin-B	
173	<u>CL</u> ATGPGIASTVK	609.43	2	60.3	Non-raft	2	0	2	0	1	0	0	0	5	0	9	2	4.50	1.504	0.001	FLNB	IPI00289334	Isoform 1 of Filamin-B	1617
		610.12	2	79.3	Raft	2	2	2	0	0	0	0	0	4	2						FLNB	IPI00289334	Isoform 1 of Filamin-B	
174	DAGYGGISLAVEGSPKVDIQTEDLEDGT <u>C</u> K	1023.76	3	58.9	Raft	1	0	1	0	0	0	0	0	2	0	2	0			M	FLNB	IPI00289334	Isoform 1 of Filamin-B	2057
175	GAGIGGLGITVEGPESKIN <u>C</u> R	706.54	3	49.2	Raft	0	1	0	0	0	0	0	0	0	1	0	1				FLNB	IPI00289334	Isoform 1 of Filamin-B	
176	GAGTGGGLTVEGP <u>C</u> EAK	809.68	2	89.6	Raft	2	0	2	1	0	0	0	0	4	1	4	1	4.00	1.386	0.003	FLNB	IPI00289334	Isoform 1 of Filamin-B	1081
177	GLHVVEVTYDDVPINSPFKA <sup>AVTEG</sup> <u>C</u> QPSR	1119.17	3	43.4	Raft	0	0	1	0	0	0	0	0	1	0	1	0				FLNB	IPI00289334	Isoform 1 of Filamin-B	1326
178	IEYNDQNDG <u>S</u> CDVK	800.46	2	52.4	Raft	1	0	0	0	0	0	0	0	1	0	1	0				FLNB	IPI00289334	Isoform 1 of Filamin-B	604
179	SG <u>C</u> VNNLAFTVDPK	854.65	2	71.8	Non-raft	0	2	1	0	0	0	0	0	1	2	5	6	0.83	-0.182	0.694	FLNB	IPI00289334	Isoform 1 of Filamin-B	
		854.14	2	131.1	Raft	2	2	2	2	0	0	0	0	4	4						FLNB	IPI00289334	Isoform 1 of Filamin-B	
180	SPFVVQVGEA <u>C</u> NPNA <u>C</u> R	959.77	2	64.6	Non-raft	1	0	0	0	0	0	0	0	1	0	5	0			H	FLNB	IPI00289334	Isoform 1 of Filamin-B	450
		959.11	2	106.3	Raft	2	0	2	0	0	0	0	0	4	0						FLNB	IPI00289334	Isoform 1 of Filamin-B	
181	SPFVVQVGEA <u>C</u> NPNA <u>C</u> R	958.65	2	62.9	Non-raft	1	0	1	0	1	0	0	0	3	0	7	0			H	FLNB	IPI00289334	Isoform 1 of Filamin-B	455

No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
		959.17	2	130.1	Raft	3	0	1	0	0	0	0	0	4	0				FLNB	IPI00289334	Isoform 1 of Filamin-B			
182	SSFLVDCSKAGSNMLLIGVHGPTTPCEEVSMK	1155.31	3	103.0	Raft	3	0	2	0	0	0	0	0	5	0	5	0		H	FLNB	IPI00289334	Isoform 1 of Filamin-B	2556	
183	SSTETCYSAIPK	643.98	2	57.7	Non-raft	1	0	0	1	1	0	1	1	3	2	6	5	1.20	0.182	0.401	FLNB	IPI00289334	Isoform 1 of Filamin-B	
		644.19	2	60.1	Raft	1	1	1	2	0	0	1	0	3	3					FLNB	IPI00289334	Isoform 1 of Filamin-B		
184	VAVTEGCOPSR	573.84	2	53.0	Raft	2	0	0	0	0	0	0	0	2	0	2	0			M	FLNB	IPI00289334	Isoform 1 of Filamin-B	1326
185	VHSPSGAVEECHVSELEPKYAVR	880.63	3	60.2	Non-raft	2	0	3	2	0	1	2	1	7	4	10	9	1.11	0.105	0.464	FLNB	IPI00289334	Isoform 1 of Filamin-B	
		660.68	4	64.4	Raft	0	3	3	2	0	0	0	0	3	5						FLNB	IPI00289334	Isoform 1 of Filamin-B	
186	VVPCLVTPVTGR	936.57	2	49.7	Non-raft	1	0	0	1	0	0	0	0	1	1	6	1	6.00	1.792	0.000	FLNB	IPI00289334	Isoform 1 of Filamin-B	991
		620.58	2	52.7	Raft	3	0	2	0	0	0	0	0	5	0						FLNB	IPI00289334	Isoform 1 of Filamin-B	
187	MFFTCGPNEAMVVSGFQR	1061.71	2	60.3	Raft	1	0	0	0	0	0	0	0	1	0	1	0				FLOT1	IPI00027438	Flotillin-1	5
188	MFFTCGPNEAMVVSGFQR	1061.16	2	111.2	Non-raft	9	0	8	0	9	0	3	0	29	0	130	1	#####	4.868	0.000	FLOT1	IPI00027438	Flotillin-1	17
		1069.18	2	121.7	Raft	29	0	24	0	26	1	22	0	101	1						FLOT1	IPI00027438	Flotillin-1	
189	MFFTCGPNEAMVVSGFQR	998.67	2	64.2	Non-raft	2	0	0	0	0	0	0	0	2	0	15	0			H	FLOT1	IPI00027438	Flotillin-1	5/17
		998.67	2	131.0	Raft	4	0	3	0	2	0	4	0	13	0						FLOT1	IPI00027438	Flotillin-1	
190	SPPVMVAGGRVFLPCLQIQQR	799.90	3	110.6	Non-raft	8	0	7	0	5	0	3	0	23	0	63	0			H	FLOT1	IPI00027438	Flotillin-1	34
		799.37	3	123.2	Raft	10	0	8	0	11	0	11	0	40	0						FLOT1	IPI00027438	Flotillin-1	
191	DVPKQMMQMFGLGALSLLVCLPIYCR	769.49	4	52.3	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				FMR1NB	IPI00166099	Fragile X mental retardation 1 neighbor	199/204
192	RCMVPGESFMQADVINGSVSYQHGR	697.09	4	51.7	Non-raft	0	0	0	0	0	0	0	1	0	1	0	1				FREM3	IPI00095592	PREDICTED: similar to FRAS1-related extracellular matrix protein 3 precursor	
193	VGKDELFALEQSCAQVVLQAANER	880.63	3	60.2	Non-raft	1	0	0	0	0	0	0	0	1	0	1	1	1.00	0.000	0.551	FSCN1	IPI00163187	Fascin	
		874.02	3	57.6	Raft	0	1	0	0	0	0	0	0	0	1						FSCN1	IPI00163187	Fascin	
194	KVPGVTAIELGEETCTFR	651.04	3	63.7	Raft	0	1	0	1	1	0	0	0	1	2	1	2	0.50	-0.693	0.942	FXR2	IPI00016250	Fragile X mental retardation syndrome-related protein 2	
195	SEATTAPRPPFAKPTLPGGPAPASGGECFAGGPFVCK	1281.02	3	45.9	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1				FZD5	IPI00298743	Frizzled-5 precursor	
196	VMSQNFNTCHTK	705.59	2	47.5	Raft	0	0	2	0	0	0	0	0	2	0	2	0			M	G3BP1	IPI00012442	Ras-GTPase-activating protein-binding protein 1	73
197	DSGAALGLGIALHSPCYAQR	700.80	3	110.2	Non-raft	6	0	5	0	6	0	4	0	21	0	21	0			H	G6PC3	IPI00031052	glucose-6-phosphatase catalytic subunit 3	269
198	IISNASCTTNCLAPLAK	923.57	2	95.9	Non-raft	5	1	3	1	1	2	1	1	10	5	10	5	2.00	0.693	0.095	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	152
199	IISNASCTTNCLAPLAK	923.52	2	72.8	Non-raft	3	0	0	0	0	0	1	1	4	1	4	1	4.00	1.386	0.003	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	156
200	IISNASCTTNCLAPLAK	860.60	2	85.0	Non-raft	2	0	0	0	0	0	0	0	2	0	2	0			M	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	152/156
201	SCYEDGWLIK	608.02	2	50.3	Raft	1	1	0	1	0	0	0	0	1	2	1	2	0.50	-0.693	0.942	GCSH	IPI00011604	Glycine cleavage system H protein, mitochondrial precursor	
202	CGIFAYLNYHVR	777.17	2	61.8	Non-raft	2	0	2	0	0	0	0	0	4	0	4	0			H	GFPT1	IPI00217952	Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	2
203	AKPYEGSILEADCDLIPAASEK	811.92	3	54.4	Raft	1	0	2	0	0	1	0	0	3	1	3	1	3.00	1.099	0.016	GLUD1	IPI00016801	Glutamate dehydrogenase 1, mitochondrial precursor	436
204	TLESMMACCLSDVEKESK	1086.37	2	93.5	Non-raft	4	0	4	0	2	0	3	0	13	0	13	0			H	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	9
205	TLESMMACCLSDVEKESK	1086.35	2	50.6	Raft	0	0	1	0	0	0	0	0	1	0	1	0				GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	10
206	TLESMMACCLSDVEKESK	1024.24	2	107.9	Non-raft	14	0	10	0	8	0	7	0	39	0	46	0			H	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	9/10
		669.27	3	56.7	Raft	4	0	3	0	0	0	0	0	7	0						GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	
207	CLLPAEAGGAR	529.45	2	53.6	Non-raft	1	0	0	0	1	0	0	0	2	0	2	0			M	GNA12	IPI00328744	Guanine nucleotide-binding protein alpha-12 subunit	11
208	SVLSVCFPGCLLTSGEAEQQR	1175.93	2	97.5	Non-raft	3	0	1	0	3	0	2	0	9	0	9	0			H	GNA13	IPI00290928	Guanine nucleotide-binding protein alpha-13 subunit	14
209	SVLSVCFPGCLLTSGEAEQQR	1113.54	2	114.5	Non-raft	3	0	4	0	6	0	7	0	20	0	30	0			H	GNA13	IPI00290928	Guanine nucleotide-binding protein alpha-13 subunit	14/18
		1112.71	2	70.2	Raft	2	0	3	0	3	0	2	0	10	0						GNA13	IPI00290928	Guanine nucleotide-binding protein alpha-13 subunit	
210	TLESIMACCLSEEAKEAR	1076.50	2	67.7	Non-raft	2	0	1	0	0	0	0	0	3	0	3	0			H	GNAQ	IPI00288947	Guanine nucleotide binding protein	9
211	TLESIMACCLSEEAKEAR	1076.50	2	99.9	Non-raft	2	0	2	0	1	0	1	0	6	0	8	0			H	GNAQ	IPI00288947	Guanine nucleotide binding protein	10
		1076.11	2	82.2	Raft	1	0	1	0	0	0	0	0	2	0						GNAQ	IPI00288947	Guanine nucleotide binding protein	
212	TLESIMACCLSEEAKEAR	1013.50	2	106.5	Non-raft	14	0	11	0	11	0	9	0	45	0	60	0			H	GNAQ	IPI00288947	Guanine nucleotide binding protein	9/10
		1014.28	2	105.0	Raft	3	0	3	0	4	0	5	0	15	0						GNAQ	IPI00288947	Guanine nucleotide binding protein	
213	ELAGHTGYLSCCR	768.24	2	44.9	Non-raft	0	0	1	0	0	0	0	0	1	0	3	2	1.50	0.405	0.238	GNB1	IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	148
		768.36	2	55.2	Raft	0	1	2	1	0	0	0	0	2	2						GNB1	IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	
214	ELAGHTGYLSCCR	768.20	2	45.2	Raft	0	0	0	2	0	0	0	0	0	2	0	2				GNB1	IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 1	
215	KACGDSTLTQITAGLDPVGR	668.93	3	51.3	Raft	0	1	0	0	0	0	0	0	0	1	0	1				GNB2	IPI00003348	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta 2	
216	EKECCMSMR	372.16	3	48.3	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				GOLGA2	IPI00413895	Golgi autoantigen, golgin subfamily A member 2	
217	ATTVPDGCRRNGLK	688.07	2	46.8	Non-raft	0	0	0	0	1	0	0	0	1	0	9	1	9.00	2.197	0.000	GPC5A	IPI00022624	Retinoic acid-induced protein 3	9

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
		687.64	2	52.8	Raft									8	1				GPRC5A	IPI00022624	Retinoic acid-induced protein 3			
218	QRNPMDYVPEDAFC <sup>CP</sup> QPLVK	793.89	3	49.5	Non-raft	1	0	0	0	0	0	0	0	1	0	11	0		H	GPRC5A	IPI00022624	Retinoic acid-induced protein 3	284	
		793.58	3	83.2	Raft	3	0	3	0	2	0	2	0	10	0					GPRC5A	IPI00022624	Retinoic acid-induced protein 3		
219	LDPT <sup>CL</sup> GMADPASVGNVETVPATK	796.19	3	60.5	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				GPRIN1	IPI00332155	Isoform 1 of G protein-regulated inducer of neurite outgrowth 1	
220	EAGGL <sup>CI</sup> AQSVRIQER	457.88	4	48.8	Raft	0	0	0	0	0	1	0	0	0	1	0	1				GRM7	IPI00292323	Isoform 5 of Metabotropic glutamate receptor 7 precursor	
221	GMFLM <sup>TVSS</sup> CVSK	370.84	4	44.8	Raft	0	0	0	1	0	0	0	0	0	1	0	1			hCG_174512_1	IPI00788017	PREDICTED: similar to notch1-induced protein		
222	MSVGS <sup>LCD</sup> QVIYPDSVEGMRR	586.79	4	47.4	Raft	0	1	0	0	0	0	0	0	0	1	0	1			hCG_204277_9	IPI00735964	PREDICTED: similar to ATP-binding cassette sub-family D member 1		
223	SSFPT <sup>CA</sup> AHHGQERR	404.10	4	47.6	Raft	0	0	1	0	0	0	0	0	1	0	1	0			HECW2	IPI00017163	HECT, c2 and WW domain containing E3 ubiquitin protein ligase 2	224	
224	MYG <sup>CDL</sup> GPDGR	593.03	2	71.4	Non-raft	1	0	1	0	2	0	1	0	5	0	5	0		H	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	125	
														0	0					HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	125	
225	GCGVVKFESPEVAER	536.23	3	70.5	Raft	3	1	2	2	2	0	2	1	9	4	9	4	2.25	0.811	0.060	HNRPM	IPI00171903	heterogeneous nuclear ribonucleoprotein M isoform a	694
226	LKNSPGTAEGCGGGGGGGGGGGSGGGGGGGGGGGGGDK	974.24	3	46.9	Raft	0	0	0	0	0	0	1	0	1	0	1	0				HOXB3	IPI00027259	Homeobox protein Hox-B3	153
227	AAGDGGNGPGAGIGAAATGTGGSSEPSA <sup>CD</sup> DHPHG <sup>CSL</sup> KEEEK	1319.41	3	47.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0				HOXD9	IPI00292734	Homeobox protein Hox-D9	245/263
228	LLQ <sup>CD</sup> PSSASQF	648.40	2	60.5	Non-raft	2	0	0	0	0	0	0	0	2	0	5	0		H	HPCA	IPI00219103	Neuron-specific calcium-binding protein hippocalin	185	
		648.62	2	75.9	Raft	1	0	2	0	0	0	0	0	3	0					HPCA	IPI00219103	Neuron-specific calcium-binding protein hippocalin		
229	LPLALPPASQGC <sup>SS</sup> GGGGGGGGSSAGSGNSRPPR	1023.01	3	45.5	Raft	0	0	0	1	0	0	0	0	0	1	0	1				HSPBP1	IPI00100748	Isoform 1 of Hsp70-binding protein 1	
230	GGSVL <sup>VT</sup> CTSCDQPK	854.576	2	66.7	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				ICAM1	IPI00008494	Intercellular adhesion molecule 1 precursor	48
231	GGSVL <sup>VT</sup> CTSCDQPK	854.16	2	44.7	Non-raft	0	2	2	2	1	1	1	0	4	5	4	5	0.80	-0.223	0.723	ICAM1	IPI00008494	Intercellular adhesion molecule 1 precursor	
232	E <sup>CG</sup> LAAPR	409.20	2	48.8	Raft	0	0	0	0	0	1	0	0	0	1	0	1				IRX6	IPI00400792	Iroquois-class homeodomain protein IRX-6	
233	SETV <sup>LTC</sup> CATGR	569.49	2	87.7	Non-raft	6	0	5	0	4	0	4	0	19	0	19	0		H	ITGA3	IPI00215995	Isoform Alpha-3A of Integrin alpha-3 precursor	904	
234	SNGLIC <sup>CG</sup> NGVCK	674.55	2	77.9	Non-raft	0	0	0	2	1	1	1	1	2	4	2	4	0.50	-0.693	0.942	ITGB1	IPI00217561	Isoform Beta-1C of Integrin beta-1 precursor	
235	SNGLIC <sup>CG</sup> NGVCK	673.98	2	59.6	Non-raft	2	2	0	0	0	0	0	0	2	2	2	2	1.00	0.000	0.551	ITGB1	IPI00217561	Isoform Beta-1C of Integrin beta-1 precursor	
236	VREAM <sup>CP</sup> VGSDSSLLLATQVEGQATNLQR	1087.61	3	82.3	Raft	2	1	2	0	1	0	0	0	5	1	5	1	5.00	1.609	0.001	JUP	IPI00554711	Junction plakoglobin	90
237	MEPWP <sup>CP</sup> SPGGGGGTR	391.10	4	49.7	Raft	0	0	0	1	0	0	0	0	0	1	0	1				KCNG2	IPI00786999	PREDICTED: similar to Potassium voltage-gated channel subfamily G member 2	
238	MLQSLAGSS <sup>CV</sup> R	626.47	2	86.3	Non-raft	3	0	1	0	0	0	0	0	4	0	4	0		H	KCNK1	IPI00010476	Potassium channel subfamily K member 1	10	
239	VQVTVKPVQHSIGTLPLMVEAILSVSIG <sup>CV</sup> TARSTK	1223.29	3	45.1	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0				KIF13A	IPI00164861	KINESIN-13A1	1058
240	LPAGPDQDP <sup>CG</sup> SRPAPEGAGAPEQGHSAAGGGG <sup>WC</sup> RHC <sup>HTK</sup>	1034.32	4	46.3	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0				KIF26A	IPI00788247	Kinesin-like protein KIF26A	45/70
241	MNYYGNYGG <sup>LGY</sup> GGYGGFDDLGYGYG <sup>CG</sup> CGSFR	924.54	4	47.2	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0				KRTAP19-5	IPI00373952	Keratin-associated protein 19-5	27
242	GGHS <sup>CR</sup> GGVDTAAAPAGGAPPAHAPGPR	638.35	4	50.0	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				LAGE3	IPI00032314	L antigen family member 3	33
243	ACGLVASNLN <sup>LKPGE</sup> CLR	1013.25	2	104.9	Non-raft	8	7	5	6	4	7	5	4	22	24	107	75	1.43	0.355	0.271	LGALS1	IPI00219219	Galectin-1	
		1013.60	2	111.8	Raft	26	14	24	13	19	14	16	10	85	51					LGALS1	IPI00219219	Galectin-1		
244	ACGLVASNLN <sup>LKPGE</sup> CLR	1013.74	2	94.8	Non-raft	1	3	2	2	5	2	4	2	12	9	17	15	1.13	0.125	0.448	LGALS1	IPI00219219	Galectin-1	
		676.12	3	65.9	Raft	0	1	1	1	2	2	2	2	5	6					LGALS1	IPI00219219	Galectin-1		
245	ACGLVASNLN <sup>LKPGE</sup> CLR	951.23	2	87.4	Non-raft	1	2	2	3	0	2	2	2	5	9	27	32	0.84	-0.170	0.685	LGALS1	IPI00219219	Galectin-1	
		951.25	2	108.5	Raft	5	7	7	6	5	5	5	5	22	23					LGALS1	IPI00219219	Galectin-1		
246	FNAHGDANTIV <sup>C</sup> NSK	883.68	3	71.5	Non-raft	1	0	1	0	0	0	0	0	2	0	18	15	1.20	0.182	0.401	LGALS1	IPI00219219	Galectin-1	
		796.06	2	97.9	Raft	4	4	4	4	4	4	4	3	16	15					LGALS1	IPI00219219	Galectin-1		
247	SFVLNLGKDSN <sup>NL</sup> CLHFNPR	763.90	3	90.5	Raft	2	0	3	0	0	0	0	0	5	0	5	0		H	LGALS1	IPI00219219	Galectin-1	43	
248	FQAPARET <sup>CV</sup> E <sup>CQ</sup> CK	868.21	2	50.6	Raft	1	1	0	0	0	0	0	0	1	1	1	1	1.00	0.000	0.551	LIMA1	IPI00008918	Isoform Beta of LIM domain and actin-binding protein 1	
249	AQNTWGC <sup>GN</sup> SLR	654.07	2	45.6	Raft	0	0	0	1	0	0	0	0	0	1	0	1				LMNA	IPI00021405	Isoform A of Lamin-A/C	
250	SVTVVEDEDEDGDDLH <sup>HHHGHSHC</sup> SSSGDPAEYNLR	1358.95	3	57.0	Raft	0	0	0	0	0	0	1	0	1	0	1	0				LMNA	IPI00021405	Isoform A of Lamin-A/C	570
251	TVL <sup>CG</sup> TCCGQPADKASASGSAQVGGPISSGSSASSVTVTR	1256.04	3	155.6	Raft	2	2	0	2	3	2	2	1	7	7	7	7	1.00	0.000	0.551	LMNA	IPI00021405	Isoform A of Lamin-A/C	
252	NNMIL <sup>C</sup> QMDYEEGQLNGTFESVQV	699.13	4	46.6	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0				LMO1	IPI00396316	Rhombotin-1	138

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
253	CPGVMGVSTQSIIVLPVGFPKPSTMNVQWK	980.80	4	44.3	Raft	0	0	0	0	0	0	0	1	0	1	0	1		LOC257358	IPI00402539	LOC257358 protein			
254	MLLCTSASSSCGCCCGRLLR	492.57	4	44.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0		LOC388022	IPI00418624	cDNA FLJ29006 fis, clone STM02533	4/11/13/14/15		
255	GGSPDSAHGSRPAEAGVSAQCR	525.54	4	47.0	Raft	0	0	1	0	0	0	0	0	1	0	1	0		LOC642648	IPI00743102	cDNA FLJ41389 fis, clone BRcAN2024563	125		
256	EQEMRMGDMGPCGAINMGDAFSPAPAGNQPPPM TGMNMMNR	1108.87	4	44.9	Raft	0	0	0	1	0	0	0	0	0	1	0	1		LOC649009	IPI00738041	PREDICTED: similar to paraspeckle protein 1 isoform 1			
257	VLLAGTGPEGGGARCMTPPPSPPR	619.58	4	46.2	Raft	1	0	0	0	0	0	0	0	1	0	1	0		LOC651746	IPI00235708	PREDICTED: similar to ankyrin repeat domain 33	16		
258	MAAAAVQGERSGGSGGCSGAGGASNCGTGSGR	957.80	3	53.2	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0		LOC653566	IPI00452747	PREDICTED: similar to Signal peptidase complex subunit 2 (Microsomal signal peptidase 25 kDa subunit) (SPase 25 kDa subunit) isoform 1	17		
259	LPEALFQPCFLGMESCIGHIHTTFNSIMK	1088.00	3	62.2	Raft	2	0	0	0	0	0	0	0	2	0	2	0	M	LOC653781	IPI00479743	protein expressed in prostate, ovary, testis, and placenta 2	965/972		
260	CDCFHMLVLPWPGTIPGSVSGR	1146.10	2	72.5	Raft	0	0	0	0	2	0	0	0	2	0	2	0	M	LOC730269	IPI00787939	PREDICTED: similar to periaxin	2/4		
261	RAPPGGGSGTPEPGCCAPR	650.88	3	51.6	Raft	1	0	0	0	0	0	0	0	1	0	1	0		LOC731200	IPI00641651	OTTHUMP00000017000	96		
262	CARCGENVVGEGTGCTAMDQVHVDCFTCIICNNK	971.43	4	47.8	Raft	0	1	0	0	0	0	0	0	0	1	0	1		LPP	IPI00023704	Lipoma-preferred partner			
263	VPPTTAVEATVGCASSSTQSTR	740.99	3	51.4	Raft	0	1	0	0	0	0	0	0	0	1	0	1		LRP12	IPI00021027	Low-density lipoprotein receptor-related protein 12 precursor			
264	MFHCIPLWR	622.90	2	52.5	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0		LRRC1	IPI00427739	Isoform 1 of Leucine-rich repeat-containing protein 1	4		
265	AMGTVIIAGVVCGVVCIMMVVAAAYGCIYASLMAK YHR	1032.70	4	47.3	Raft	0	0	0	0	1	0	0	0	1	0	1	0		LRTM2	IPI00167619	cDNA FLJ38291 fis, clone FcBBF3009069, weakly similar to Homo sapiens HT017 mRNA	318/333		
266	TALLLLAALAVATGPGGGAGPAESPGLCWAR	730.55	4	45.7	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0		LY6D	IPI00797939	3 kDa protein	31		
267	AVVMISCNRHLDADNPNVSEER	869.04	3	101.1	Non-raft	2	0	2	0	2	0	1	0	7	0	7	0	H	M6PR	IPI00025049	Cation-dependent mannose-6-phosphate receptor precursor	145		
268	GCSLGDVGGHGCGGGRR	515.84	3	52.1	Raft	0	1	0	0	0	0	0	0	0	1	0	1		MAFK	IPI00065538	cDNA FLJ32205 fis, clone PLAcE6003094			
269	LQTCMSGTGMR	433.31	3	47.1	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1		MAP3K3	IPI00017801	mitogen-activated protein kinase kinase kinase 3 isoform 2			
270	KFDEGENSLGQNSFSTNNVCCNQNEIASR	1111.64	3	57.7	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1		MBOAT2	IPI00419221	O-acyltransferase (membrane bound) domain containing 2			
271	GSAGSACSLICCCCGRDPEEHSLLVN	846.72	3	50.9	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0		MCOLN1	IPI00003750	Isoform 2 of Mucolipin-1	526/530/531/532		
272	VIVVGNPANTNCLTASK	851.13	2	70.5	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0		MDH1	IPI00291005	Malate dehydrogenase, cytoplasmic	137		
273	SQETECYFYSTPLLLGK	959.14	2	44.1	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1		MDH2	IPI00291006	Malate dehydrogenase, mitochondrial precursor			
274	CPPGRYPGCEQLCGCLNGGSCDAATGACR	1181.91	3	46.4	Raft	0	0	1	0	0	0	0	0	1	0	1	0		MEGF6	IPI00306850	EGF-like-domain, multiple 3	739		
275	LHEYCGGGGAGGSGHGTGAGR	639.24	3	45.8	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0		MEGF8	IPI00027310	Isoform 1 of Multiple epidermal growth factor-like domains 8	2325		
276	SAQFEHTLLVDTDGCILTR	745.63	3	62.0	Raft	0	0	0	0	1	0	0	0	1	0	1	0		METAP1	IPI00022239	Methionine aminopeptidase 1	368		
277	DASSGNLCTEITQIGICHMKMK	762.58	3	49.3	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0		MGC21881	IPI00742024	MGC21881 protein (Fragment)	65		
278	VNMYCVTDDQLICALCK	519.21	4	46.2	Raft	0	0	0	0	1	0	0	0	1	0	1	0		MID1	IPI00029324	Isoform 1 of Midline-1	195/198		
279	CMPAPEIIEVELPASK	872.18	2	45.0	Raft	0	0	0	0	0	0	0	1	0	1	0	1		MKI67	IPI00004233	Isoform Long of Antigen KI-67	3014		
280	MPCESSPPESADTPTSTR	947.12	2	63.3	Raft	1	0	0	0	0	0	0	0	1	0	1	0		MKI67	IPI00004233	Isoform Long of Antigen KI-67	1373		
281	AAAAGGGS CPGPSARGR	386.39	4	47.6	Raft	1	0	0	0	0	1	0	0	1	1	1	1	1.00	0.000	0.551	MLL4	IPI00218823	Isoform 1 of Myeloid/lymphoid or mixed-lineage leukemia protein 4	
282	SDGREVQLLEEDPDLQLPFLLPEDGYS CDVVR	1179.00	3	48.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0		MLLT4	IPI00023461	Isoform 4 of Afadin	762		
283	RLLYQQR	476.58	2	45.6	Non-raft	0	0	0	0	0	0	2	0	2	0	2	0	M	MMP14	IPI00218398	Matrix metalloproteinase-14 precursor	574		
284	LQATTSGRWATELPWMCWHANSGSALF	774.79	4	45.6	Raft	0	0	1	0	0	0	0	0	1	0	1	0		MMP28	IPI00425258	Matrix metalloproteinase-28 precursor	510		
285	SGGGSSVSGGGGGGAGAGCGGPGGALTRR	811.98	3	45.9	Raft	0	1	0	0	0	0	0	0	0	1	0	1		MPND	IPI00014455	Mov34/MPN/PAD-1 family protein			
286	VASMAQSAPSEAPSCSPFGK	976.59	2	87.3	Non-raft	2	0	2	0	0	0	0	0	4	0	4	0	H	MPP1	IPI00215610	55 kDa erythrocyte membrane protein	242		
287	DLELTPNSGTL CGSLSGK	896.46	2	49.4	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0		MPP2	IPI00217808	Isoform 1 of MAGUK p55 subfamily member 2	338		
288	RDWDNSGPFCTGISSK	885.71	2	62.4	Non-raft	1	0	1	0	0	0	0	0	2	0	2	0	M	MPP6	IPI00303280	MAGUK p55 subfamily member 6	298		
289	SSIEVSDDTDQEIEEACMAR	1123.18	2	95.0	Non-raft	0	0	1	0	0	0	0	0	1	0	2	0	M	MPZL3	IPI00375222	QQRG2966	215		
		1122.42	2	72.4	Raft	0	0	0	0	1	0	0	0	1	0	1	0		MPZL3	IPI00375222	QQRG2966			
290	CCCLGHMACMVENECEDPSQETITFLYK	908.58	4	48.6	Raft	0	0	0	0	1	0	0	0	1	0	1	0		MSH6	IPI00440122	Sperm protein	237/243		
291	MDPNCSCCTTGGSACAGSCKCK	637.15	4	46.0	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0		MT1B	IPI00011655	Metallothionein-1B	15/19/21		
292	MDPNCSCAAAGVSCCTCASSCKCK	638.26	4	47.5	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0		MT1G	IPI00008752	Isoform 1 of Metallothionein-1G	5/14/16/22		
293	DPNYSCTTGGSCTCAGSCK	475.06	4	47.2	Raft	0	1	0	0	0	0	0	0	0	1	0	1		MT1JP	IPI00329473	MTB			

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
294	SKIVGAPMHDLLLNWNAVTTCHSK	913.74	3	78.9	Non-raft	2	0	1	0	2	0	0	0	5	0	5	0		H	MTHFD1	IPI00218342	C-1-tetrahydrofolate synthase, cytoplasmic	195	
295	VVTENVP CGTGTTC SK	456.86	4	44.4	Raft	0	0	1	0	0	0	0	0	1	0	1	0			MUC5AC	IPI00103397	Mucin 5 (Fragment)	953	
296	DQALAE RCLAA LTECAASGDGNILA V DASR	798.19	4	51.2	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0			MUT	IPI00024934	Methylmalonyl-CoA mutase, mitochondrial precursor	533/540	
297	ALALAALAAVEPACGSR	813.55	2	66.6	Raft	0	0	0	0	1	0	1	0	2	0	2	0		M	NDFIP1	IPI00012235	Isoform 1 of NEDD4 family-interacting protein 1	15	
298	FACHSASLTVR	596.56	2	62.3	Raft	2	0	2	0	1	0	1	0	6	0	6	0		H	NONO	IPI00304596	Non-POU domain-containing octamer-binding protein	145	
299	LPPDPSP LCVL VGPGT GIAPFR	555.34	4	47.0	Raft	0	1	0	0	0	0	0	0	0	1	0	1			NOS3	IPI00218845	Nitric-oxide synthase, endothelial		
300	MEDSMDMDMSPLRPQNYLFGCELK	965.58	3	62.2	Raft	2	1	1	1	1	0	0	0	4	2	4	2	2.00	0.693	0.095	NPM1	IPI00220740	Isoform 2 of Nucleophosmin	11
301	EVGKILCTDCATRPK	817.86	2	49.0	Raft	0	1	0	0	0	0	0	0	0	1	0	1			NRG2	IPI00003044	Isoform 6 of Pro-neuregulin-2, membrane-bound isoform precursor		
302	SYLHLFYEDCAGTALSDDPEGPPVLQPR	1022.95	3	64.1	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			NRSN2	IPI00017231	Protein C20orf98	36/52	
303	IWKISCWR	546.79	2	46.4	Raft	1	0	0	0	0	0	0	0	1	0	1	0			NUP107	IPI00028005	Nuclear pore complex protein Nup107	411	
304	TLPLCVIGGDHK	418.02	3	45.0	Raft	0	0	0	0	0	1	0	0	0	1	0	1			NUP37	IPI00171665	Nucleoporin Nup37		
305	VLILPSCGPPSLPLAAIPGCSQ	708.69	3	47.9	Raft	0	0	0	0	1	0	0	0	1	0	1	0			NXF5	IPI00745675	46 kDa protein	382/395	
306	CLLLAPAAPAVPPR	496.03	3	50.6	Raft	0	0	0	1	0	0	0	0	0	1	0	1			OTUD1	IPI00174955	PREDICTED: similar to OTU domain containing 5		
307	LKGPNHAVSTACTTGAAHVGDSFR	800.04	3	63.8	Non-raft	2	0	0	0	0	0	0	0	2	0	2	0		M	OXSM	IPI00016637	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial precursor	209	
308	SKGFGFVCFSSPEEATK	911.04	2	72.7	Raft	0	0	0	0	0	0	1	0	1	0	1	0			PABPC1	IPI00008524	Isoform 1 of Polyadenylate-binding protein 1	339	
309	VMTIPYQMPASSPVICAGQDR	807.32	3	60.7	Raft	0	0	0	0	0	0	2	0	2	0	2	0		M	PCBP1	IPI00016610	Poly(rc)-binding protein 1	194	
310	AALANLIGDVTIAIDGENTSNMTHLEAQR	1086.26	3	58.9	Raft	0	0	1	0	0	0	0	0	1	0	1	0			PDLIM1	IPI00010414	PDZ and LIM domain protein 1	45	
311	RCAGFVVGDLYALLTHSSR	517.11	4	47.8	Raft	1	0	0	0	0	0	0	0	1	0	1	0			PEX6	IPI00103760	Peroxin Pex6p	627	
312	EVLFAFEESIGFLCGTSLVDKDGVSAAVVVAEMASY LETMNTLK	1201.20	4	45.4	Raft	1	0	0	0	0	0	0	0	1	0	1	0			PGM2L1	IPI00173346	Phosphoglucomutase-2-like 1	441	
313	VSSPGGGPDCCR	622.23	2	57.5	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1			PGS1	IPI00217795	PGS1 protein		
314	AEGSDVANAVLDGADCMILSGETAKGDYPLEAVR	1147.54	3	47.0	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0			PKM2	IPI00220644	pyruvate kinase 3 isoform 2	358	
315	NTGIUCTIGPASR	652.53	2	74.4	Non-raft	2	2	2	2	2	2	2	2	8	8	8	8	1.00	0.000	0.551	PKM2	IPI00220644	pyruvate kinase 3 isoform 2	
316	SKPHSEAGTAFIQQLHAAMADTFLEHMC R	1167.97	3	51.3	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			PKM2	IPI00220644	pyruvate kinase 3 isoform 2	31	
317	NIQTDNKNKSGCFGSR	877.89	2	83.6	Raft	3	0	2	0	3	0	0	0	8	0	8	0		H	PKP2	IPI00005264	Isoform 2 of Plakophilin-2	647	
318	DLGAPPGEVVCGFTPQSR	951.13	2	47.1	Non-raft	1	0	0	0	0	0	0	0	1	0	5	0		H	PKP3	IPI00026952	Plakophilin-3	569	
		951.32	2	58.7	Raft	2	0	1	0	1	0	0	0	4	0	4	0			PKP3	IPI00026952	Plakophilin-3		
319	AGAQPVGHALQLKPVCVSDSLK	566.52	4	44.8	Raft	0	1	0	0	0	0	0	0	0	1	0	1			PLCB1	IPI00216920	OTTHUMP0000030235		
320	SGGHRIPGLNCCGQGR	537.92	3	53.7	Raft	0	0	1	0	0	0	0	0	1	0	1	0			PLD1	IPI00012865	Isoform PLD1A of Phospholipase D1	240/241	
321	ADSERLSAPGCWAACTNFSR	729.58	3	62.3	Non-raft	5	0	1	0	4	0	0	0	10	0	10	0		H	PLP2	IPI00030362	Proteolipid protein 2	12/16	
322	VYFAAEDTDCCTR	809.69	2	46.0	Non-raft	0	0	0	0	1	0	1	0	2	0	2	0		M	PLSCR1	IPI00005181	Phospholipid scramblase 1	148	
323	VYFAAEDTDCCTR	810.14	2	83.6	Non-raft	2	0	2	0	0	0	0	0	4	0	4	0		H	PLSCR1	IPI00005181	Phospholipid scramblase 1	149	
324	VYFAAEDTDCCTR	747.46	2	105.1	Non-raft	2	0	2	0	2	0	1	0	7	0	15	0		H	PLSCR1	IPI00005181	Phospholipid scramblase 1	148/149	
		747.96	2	101.6	Raft	2	0	2	0	2	0	2	0	8	0	8	0			PLSCR1	IPI00005181	Phospholipid scramblase 1		
325	SGAGQPLGQAAEESNCCAR	987.72	2	95.9	Non-raft	3	0	2	0	3	0	1	0	9	0	9	0		H	PLSCR3	IPI00216127	Phospholipid scramblase 3	125	
326	SGAGQPLGQAAEESNCCAR	988.17	2	96.1	Non-raft	1	0	2	0	1	0	2	0	6	0	6	0		H	PLSCR3	IPI00216127	Phospholipid scramblase 3	126	
327	SGAGQPLGQAAEESNCCAR	925.55	2	99.4	Non-raft	2	0	1	0	4	0	2	0	9	0	17	0		H	PLSCR3	IPI00216127	Phospholipid scramblase 3	125/126	
		925.59	2	105.2	Raft	2	0	2	0	2	0	2	0	8	0	8	0			PLSCR3	IPI00216127	Phospholipid scramblase 3		
328	SGAGQPLGQAAEESNCCARLCCGAR	818.19	3	45.6	Non-raft	1	0	0	0	0	0	0	0	1	0	2	0		M	PLSCR3	IPI00216127	Phospholipid scramblase 3	125/126/ 130/131	
		818.17	3	47.0	Raft	0	0	0	0	0	0	1	0	1	0	1	0			PLSCR3	IPI00216127	Phospholipid scramblase 3		
329	VVGPWCWTCGCTDTNFEVK	1009.18	2	60.0	Non-raft	2	0	0	0	1	0	1	0	4	0	4	0		H	PLSCR3	IPI00216127	Phospholipid scramblase 3	211/214/ 216	
330	VRGPCSTYGC GSDSVFEVK	996.39	2	61.1	Non-raft	3	0	2	0	0	0	0	0	5	0	5	0		H	PLSCR4	IPI00016776	Phospholipid scramblase 4	250/255	
331	MAEASSANLGS GCEKR	439.73	4	45.3	Raft	0	0	1	0	0	0	0	0	1	0	1	0			PMF1	IPI00178359	Isoform 3 of Polyamine-modulated factor 1	13	
332	YFVKDVLGCV CVNPR	443.20	4	48.3	Non-raft	0	0	0	0	0	1	0	0	0	1	0	1			POLA2	IPI00290272	DNA polymerase subunit alpha B		
333	ALEYSNGIFDCQSPTSPFMGSLR	635.36	4	49.0	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0			PPFIBP1	IPI00179172	Isoform 2 of Liprin-beta-1	35	
334	KITTIADCGGLE	595.74	2	92.3	Non-raft	2	2	2	2	2	2	1	2	7	8	15	15	1.00	0.000	0.551	PPIAP19	IPI00374732	PREDICTED: similar to peptidylprolyl isomerase A isoform 1	
		595.85	2	96.3	Raft	2	2	2	2	2	2	1	8	8	7	7	7			PPIAP19	IPI00374732	PREDICTED: similar to peptidylprolyl isomerase A isoform 1		
335	MLSSPASCTSPDPGENPCK	566.68	4	47.8	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0			PPP1R14D	IPI00015106	Protein phosphatase 1 regulatory subunit 14D	47	
336	SDGSACNSGISGGRGR	371.20	4	47.5	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			PRAC	IPI00064590	small nuclear protein PRAC	84	



No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/ CON Ratio	Ln(EXP /CON)	P- value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
EXP	CON	EXP	CON	EXP	CON	EXP	CON																	
337	<b>TREEEC</b> HFYAGGQVYPGEASR	796.40	3	57.3	Non-rafi	2	0	1	0	0	0	0	3	0	3	0			H	PRDX4	IPI00011937	Peroxiredoxin-4	51	
338	GSDHTDVCGNVVGSVSSSSSSGGSDK	781.39	3	58.7	Raft	1	0	0	0	0	0	0	1	0	1	0				PROSAP1P	IPI00028588	Protein KIAA0552	112	
339	<b>SLIC</b> SISNEVPEHP <b>C</b> VSPVSNHVYER	1021.73	3	76.1	Raft	4	1	3	0	3	1	2	12	2	12	2	6.00	1.792	0.000	PRPF19	IPI00004968	Pre-mRNA-processing factor 19	16	
340	<b>SLIC</b> SISNEVPEHP <b>C</b> VSPVSNHVYER	1021.69	3	52.4	Raft	0	1	0	1	1	0	1	2	3	2	3	0.67	-0.405	0.834	PRPF19	IPI00004968	Pre-mRNA-processing factor 19		
341	<b>DA</b> CFDGGSG <b>PLA</b> C <b>NK</b>	527.34	3	44.9	Raft	0	1	0	0	0	0	0	0	1	0	1				PRSS21	IPI00218172	Isoform 2 of Testisin precursor		
342	<b>MT</b> CTDQKSHSQ <b>R</b>	360.12	4	46.5	Non-rafi	0	0	0	0	0	0	0	1	0	1	0	1			PSORS1C1	IPI00328126	Isoform 1 of Psoriasis susceptibility 1 candidate gene 1 protein		
343	GSDFLSTC <b>V</b> TNGPFISSSSASAANGNDSKK	1079.95	3	101.1	Raft	0	2	0	1	3	1	2	2	5	6	5	6	0.83	-0.182	0.694	PTBP1	IPI00179964	Isoform 1 of Polypyrimidine tract-binding protein 1	
344	SVTRNVMTAILSL <b>P</b> GDIYLLSV <b>TAC</b> TER	1041.72	3	46.7	Raft	0	1	0	0	0	0	0	0	0	1	0	1			PTPRO	IPI00001767	receptor-type protein tyrosine phosphatase O isoform a precursor		
345	ETPNTAGAGATGGHGGHAAHATAVAATGIL <b>C</b> RO <b>Q</b> R	924.32	4	45.1	Raft	0	0	0	0	1	0	0	0	1	0	1	0			PVRL2	IPI00022661	Isoform Delta of Poliovirus receptor-related protein 2 precursor	382	
346	<b>D</b> CPEKILYSWG <b>L</b> L <b>G</b> K	463.94	4	52.4	Raft	0	0	1	0	0	0	0	1	0	1	0				RABGAP1L	IPI00396010	RAB GTPase activating protein 1-like isoform A	505	
347	QW <b>N</b> CAFL <b>S</b> SAK	749.55	2	52.5	Non-rafi	0	2	0	0	0	0	0	0	2	0	2				RAP1B	IPI00015148	Ras-related protein Rap-1b precursor		
348	ALAE <b>E</b> W <b>S</b> CPFM <b>S</b> AK	901.26	2	56.5	Non-rafi	1	0	0	0	0	0	0	1	0	1	0				RAP2B	IPI00018364	Ras-related protein Rap-2b precursor	140	
349	<b>ALA</b> QE <b>W</b> GC <b>P</b> FM <b>S</b> AK	884.82	2	77.8	Non-rafi	1	0	1	0	2	0	1	0	5	0	5	0		H	RAP2C	IPI00009607	Ras-related protein Rap-2c precursor	140	
350	MHL <b>P</b> GC <b>A</b> PAMADG <b>S</b> FLAG <b>L</b> L <b>R</b>	597.43	4	45.8	Raft	0	0	0	0	0	1	0	0	1	0	1				RAX	IPI00021025	Retinal homeobox protein Rx		
351	NLEDQSSKAGDMGN <b>C</b> VSQ <b>Q</b> QEGGV <b>S</b> EEMK	786.56	4	44.4	Non-rafi	0	0	0	0	0	0	1	0	1	0	1	0			RFTN1	IPI00749454	Raftlin	494	
352	<b>C</b> VL <b>V</b> GD <b>S</b> AVG <b>K</b> T <b>S</b> LL <b>V</b> R	430.45	4	45.8	Non-rafi	0	0	0	0	0	0	0	1	0	1	1	2	0.50	-0.693	0.942	RHOH	IPI00018882	Rho-related GTP-binding protein RhoH	
		430.29	4	47.1	Raft	1	0	0	0	0	1	0	0	1	1					RHOH	IPI00018882	Rho-related GTP-binding protein RhoH		
353	<b>LLA</b> QE <b>A</b> VC <b>G</b> W <b>AL</b> PH <b>N</b> RM <b>Q</b> AL <b>T</b> SC <b>E</b> CT <b>C</b> PD <b>C</b> FR	982.66	4	47.8	Non-rafi	0	0	0	0	2	0	0	0	2	0	3	0			H	RNF31	IPI00094740	Isoform 1 of RING finger protein 31	702/717/ 719/722/ 725
		982.60	4	61.3	Raft	0	0	1	0	0	0	0	0	1	0					RNF31	IPI00094740	Isoform 1 of RING finger protein 31		
354	LPP <b>Q</b> AL <b>Q</b> L <b>S</b> PC <b>S</b> SS <b>S</b> DL <b>C</b> SR	576.74	4	49.3	Non-rafi	0	0	0	0	1	0	0	0	1	0	1	0				ROBO4	IPI00103871	Isoform 1 of Roundabout homolog 4 precursor	625
355	<b>AKV</b> DF <b>PL</b> C <b>G</b> H <b>M</b> V <b>S</b> DE <b>Y</b> EQ <b>S</b> SEALE <b>A</b> AR	1076.16	3	131.6	Raft	4	0	0	3	3	0	4	0	11	3	11	3	3.67	1.299	0.005	RPL10	IPI00554723	60S ribosomal protein L10	49
356	<b>F</b> SV <b>C</b> VL <b>G</b> D <b>Q</b> QH <b>C</b> DE <b>A</b> K	952.76	2	69.0	Raft	3	0	2	0	1	0	0	0	6	0	6	0		H	RPL10A	IPI00412579	60S ribosomal protein L10a	74	
357	<b>C</b> TG <b>EV</b> GV <b>G</b> AT <b>S</b> AL <b>AP</b> K	681.46	2	77.1	Raft	2	2	2	2	2	2	2	2	8	8	8	8	1.00	0.000	0.551	RPL12	IPI00024933	60S ribosomal protein L12	
358	<b>H</b> PH <b>DI</b> DD <b>I</b> NS <b>G</b> AV <b>E</b> CP <b>S</b> AS	995.55	2	74.8	Raft	3	0	4	0	4	0	3	0	14	0	14	0		H	RPL12	IPI00024933	60S ribosomal protein L12	162	
359	V <b>V</b> Y <b>L</b> R <b>C</b> TG <b>EV</b> GV <b>G</b> AT <b>S</b> AL <b>AP</b> K	665.58	3	45.5	Raft	0	0	0	0	0	1	0	0	0	1	0	1			RPL12	IPI00024933	60S ribosomal protein L12		
360	<b>G</b> CG <b>T</b> V <b>LL</b> SG <b>P</b> R	530.65	2	54.2	Raft	1	1	0	0	1	0	0	0	2	1	2	1	2.00	0.693	0.095	RPL18	IPI00215719	60S ribosomal protein L18	134
361	<b>E</b> Y <b>R</b> D <b>L</b> T <b>AG</b> AV <b>T</b> Q <b>C</b> Y <b>R</b>	616.79	3	67.5	Raft	0	0	1	0	0	0	0	1	0	2	0	2	0		M	RPL18A	IPI00026202	60S ribosomal protein L18a	109
362	TGV <b>H</b> HS <b>G</b> N <b>N</b> IEL <b>G</b> T <b>A</b> CG <b>K</b> Y <b>R</b>	611.40	4	47.5	Raft	0	0	1	0	0	0	0	0	1	0	1	0				RPL30	IPI00219156	60S ribosomal protein L30	85
363	<b>V</b> CT <b>L</b> AID <b>PD</b> GD <b>S</b> DI <b>R</b>	851.14	2	79.9	Raft	2	2	2	2	2	2	2	2	8	8	8	8	1.00	0.000	0.551	RPL30	IPI00219156	60S ribosomal protein L30	
364	<b>S</b> AC <b>G</b> V <b>C</b> PG <b>R</b>	488.74	2	52.6	Raft	0	0	1	0	0	0	1	0	2	0	2	0			M	RPL34	IPI00219160	60S ribosomal protein L34	46
365	<b>A</b> C <b>A</b> R <b>PL</b> IS <b>V</b> SE <b>K</b> GE <b>S</b> SG <b>K</b>	675.69	3	74.5	Raft	4	2	2	1	2	2	0	1	8	6	8	6	1.33	0.288	0.320	RPL4	IPI00003918	60S ribosomal protein L4	
366	<b>S</b> G <b>Q</b> GA <b>F</b> GN <b>M</b> C <b>R</b>	564.13	2	56.2	Raft	2	0	1	0	2	1	1	1	6	2	6	2	3.00	1.099	0.016	RPL4	IPI00003918	60S ribosomal protein L4	96
367	<b>A</b> QL <b>N</b> IGN <b>V</b> LP <b>V</b> GT <b>M</b> PE <b>G</b> TI <b>V</b> C <b>LE</b> E <b>K</b> PG <b>D</b> RG <b>K</b>	867.04	4	46.5	Raft	1	0	0	0	1	0	0	0	2	0	2	0		M	RPL8	IPI00012772	60S ribosomal protein L8	114	
368	<b>A</b> QL <b>N</b> IGN <b>V</b> LP <b>V</b> GT <b>M</b> PE <b>G</b> TI <b>V</b> C <b>LE</b> E <b>K</b> PG <b>D</b> RG <b>K</b>	1155.52	3	62.9	Raft	1	0	0	0	0	0	0	0	1	0	1	0				RPL8	IPI00012772	60S ribosomal protein L8	115
369	<b>A</b> GAI <b>A</b> PC <b>EV</b> TV <b>P</b> A <b>Q</b> NT <b>GL</b> G <b>PE</b> K	1140.48	3	48.1	Non-rafi	0	1	0	0	0	0	0	0	0	1	18	3	6.00	1.792	0.000	RPLP0	IPI00008530	60S acidic ribosomal protein P0	119
		1062.85	2	90.5	Raft	6	1	5	1	4	0	3	0	18	2					RPLP0	IPI00008530	60S acidic ribosomal protein P0		
370	<b>A</b> L <b>A</b> N <b>V</b> N <b>I</b> GS <b>L</b> C <b>V</b> NG <b>A</b> GG <b>P</b> A <b>A</b> GA <b>A</b> AG <b>P</b> AG <b>P</b> A <b>P</b> STA AA <b>P</b> A <b>E</b> E <b>K</b>	939.43	4	81.9	Raft	1	0	1	0	2	0	1	0	5	0	5	0		H	RPLP1	IPI00008527	60S acidic ribosomal protein P1	61	
371	<b>K</b> L <b>L</b> M <b>M</b> A <b>G</b> I <b>D</b> D <b>C</b> Y <b>S</b> A <b>R</b>	894.63	2	86.6	Raft	4	0	1	0	1	0	2	0	8	0	8	0		H	RPS2	IPI00013485	40S ribosomal protein S2	222	
372	<b>C</b> CL <b>T</b> Y <b>C</b> FN <b>K</b> PED <b>K</b>	907.57	2	48.6	Raft	0	2	0	2	1	0	0	0	1	4	1	4	0.25	-1.386	0.999	RPS27A	IPI00179330	ubiquitin and ribosomal protein S27a precursor	
373	<b>E</b> CP <b>S</b> DE <b>C</b> G <b>A</b> GV <b>F</b> M <b>A</b> SH <b>F</b> DR	1092.74	2	47.7	Raft	0	0	0	0	1	0	0	0	1	0	1	0				RPS27A	IPI00179330	ubiquitin and ribosomal protein S27a precursor	126
374	T <b>G</b> S <b>Q</b> Q <b>C</b> T <b>Q</b> V <b>R</b> VE <b>F</b> MD <b>D</b> T <b>S</b> R	749.24	3	49.7	Non-rafi	0	0	1	0	0	0	0	0	1	0	13	10	1.30	0.262	0.339	RPS28	IPI00719622	40S ribosomal protein S28	
		749.53	3	86.5	Raft	3	6	2	1	4	2	3	1	12	10					RPS28	IPI00719622	40S ribosomal protein S28		
375	<b>M</b> K <b>L</b> NIS <b>F</b> AT <b>G</b> C <b>Q</b> K	769.64	2	91.0	Raft	2	2	3	2	2	2	2	0	9	6	9	6	1.50	0.405	0.238	RPS6	IPI00021840	40S ribosomal protein S6	12
376	<b>Y</b> VD <b>I</b> AI <b>P</b> C <b>N</b> NK	625.55	2	46.9	Raft	0	0	0	0	1	0	0	0	1	0	1	0				RPSA	IPI00553164	40S ribosomal protein SA	163
377	LL <b>V</b> VT <b>D</b> PR <b>A</b> D <b>H</b> Q <b>L</b> TE <b>A</b> SY <b>V</b> N <b>L</b> PT <b>I</b> AL <b>C</b> NT <b>D</b> S <b>P</b> L <b>R</b>	1279.00	3	113.9	Raft	4	1	2	2	1	0	2	1	9	4	9	4	2.25	0.811	0.060	RPSA	IPI00553164	40S ribosomal protein SA	148
378	<b>F</b> CH <b>Q</b> LD <b>F</b> ST <b>S</b> G <b>A</b> L <b>C</b> VAL <b>N</b> K	545.94	4	56.3	Non-rafi	0	0	0	0	1	0	0	0	1	0	1	0				RPUSD1	IPI00016510	RNA pseudouridylate synthase domain containing 1	85
379	<b>Q</b> KL <b>T</b> A <b>E</b> FE <b>A</b> EQ <b>T</b> S <b>A</b> C <b>R</b>	605.04	3	45.5	Raft	0	0	0	0	1	0	0	0	1	0	1	0				RRBP1	IPI00215743	Isoform 3 of Ribosome-binding protein 1	1323
380	<b>S</b> K <b>C</b> E <b>L</b> S <b>G</b> L <b>H</b> Q <b>L</b> Q <b>E</b> A <b>R</b>	629.25	3	49.9	Raft	1	0	0	0	0	0	0	0	1	0	1	0				RRBP1	IPI00215743	Isoform 3 of Ribosome-binding protein 1	933

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
381	AEPSAATQSHSISSSSFGAEPSPAPGGGGSPGACPALG TK	1186.10	3	111.9	Non-raft	2	0	0	1	1	0	2	0	5	1	5	1	5.00	1.609	0.001	RTN3	IPI00028946	Reticulon-3	34
382	FVQC PDGELQK	632.55	2	60.2	Raft	1	0	0	0	1	0	1	0	3	0	3	0			H	RUVBL2	IPI00009104	RuvB-like 2	227
383	METWSVEVQC SWLVEK	652.17	3	47.9	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				SAMD3	IPI00184090	CDNA FLJ34563 fis, clone KIDNE2002798	
384	HCSLQAVPEEIYR	773.12	2	45.9	Raft	1	0	0	0	0	0	0	0	1	0	1	0				SCRIB	IPI00410666	Isoform 3 of Protein LAP4	22
385	MLKC IPLWR	601.54	2	49.0	Non-raft	1	0	0	0	0	0	0	0	1	0	5	0			H	SCRIB	IPI00410666	Isoform 3 of Protein LAP4	4
		601.51	2	64.4	Raft	1	0	1	0	1	0	1	0	4	0						SCRIB	IPI00410666	Isoform 3 of Protein LAP4	
386	SQEATEAAPSCVGDMDATPR	1018.56	2	112.3	Non-raft	2	4	1	4	3	0	3	0	9	8	26	16	1.63	0.486	0.190	SEPT9	IPI00455033	Isoform 3 of Septin-9	84
		1019.18	2	128.6	Raft	5	3	6	5	2	0	4	0	17	8						SEPT9	IPI00455033	Isoform 3 of Septin-9	
387	DMHCL EASSPTFSKPEPMK	1027.93	2	44.7	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				SETX	IPI00142538	Isoform 1 of Probable helicase senataxin	637
388	SPAESAAGLTC LPSVTR	866.64	2	111.7	Non-raft	2	0	2	0	0	0	0	0	4	0	4	0			H	SFT2D3	IPI00166444	Vesicle transport protein SFT2C	67
389	YKVQSVETVTEGCTHEVALPAEEDYLP LKPR	1113.51	3	109.1	Raft	3	2	4	1	3	0	4	0	14	3	14	3	4.67	1.540		SKIV2L2	IPI00647217	Superkiller viralicidic activity 2-like 2	110
390	GLAAAEP TANGGLALASIEDQGAAGGY CGSRDQV R	1140.28	3	176.5	Non-raft	6	0	7	0	4	0	4	0	21	0	21	0			H	SLC1A5	IPI00019472	Neutral amino acid transporter B(0)	39
391	SSPGMAPSACC CSP AALQR	947.55	2	77.9	Non-raft	3	0	2	0	3	0	3	0	11	0	11	0			H	SLC26A11	IPI00410334	Sulfate/anion exchanger	23/24/25
392	ACVFGNEPKASDEVPLAPR	1001.13	2	86.8	Non-raft	3	0	1	0	0	0	0	0	4	0	4	0			H	SLC35B2	IPI00384867	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	80
393	GLCFPLVK	438.60	2	49.2	Non-raft	1	0	1	0	0	0	0	0	2	0	2	0			M	SLC35B2	IPI00384867	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	73
394	SLNPATYV PVLKLLSLLPLSC QK	870.73	3	84.6	Non-raft	2	0	1	0	2	0	1	0	6	0	6	0			H	SLC5A6	IPI00031822	Sodium-dependent multivitamin transporter	577
395	GCKVLLNIGQMLR	808.44	2	91.6	Non-raft	4	0	2	0	2	0	1	0	9	0	9	0			H	SLC7A1	IPI00027728	High-affinity cationic amino acid transporter 1	3
396	TLTELNKCCGLCVC PCNR	985.76	2	92.2	Non-raft	2	0	0	0	2	0	2	0	6	0	18	0			H	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	79/80/83/85/87
		985.76	2	105.4	Raft	3	0	2	0	3	0	4	0	12	0						SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	
397	TTWGDGGENSPCNVSK	876.12	2	89.2	Non-raft	1	0	1	0	0	0	0	0	2	0	17	0			H	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	112
		876.74	2	91.4	Raft	4	0	5	0	3	0	3	0	15	0						SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	
398	ANNPEQNLSECEEQAK	980.66	2	68.0	Raft	2	2	1	1	2	0	0	0	5	3	5	3	1.67	0.511	0.176	SND1	IPI00140420	Staphylococcal vacuole domain-containing protein 1	152
399	VQFQDMCATIGVDPLASGK	666.89	3	45.7	Raft	0	0	1	0	0	0	0	0	1	0	1	0				SNF8	IPI00101524	Isoform 1 of Vacuolar sorting protein SNF8	72
400	SIGVPKIVLHAEAGHIVTCTETNGEVYR	1032.25	3	61.4	Raft	1	0	1	1	3	0	2	0	7	1	7	1	7.00	1.946	0.000	SNRPD3	IPI00017964	Small nuclear ribonucleoprotein Sm D3	10
401	NGGGGGGSGLHCAGNGGGGGGR	496.18	4	44.5	Raft	0	0	1	0	0	0	0	0	1	0	1	0				SNX27	IPI00640980	sorting nexin family member 27	30
402	STCPSAAPSASAPAMTTVENK	1011.01	2	46.7	Raft	1	0	0	0	0	0	0	0	1	0	1	0				SPECC1L	IPI00178072	cytospin-A	79
403	CGCAGCGGRHEEAR	492.81	3	47.1	Raft	0	0	0	0	0	0	0	1	0	1	0	1				SPRED3	IPI00397716	Sprouty-related, EVH1 domain-containing protein 3	
404	NMVHPNVICDGCNGPVVGVTR	1104.10	2	55.7	Non-raft	2	0	1	0	0	0	0	0	3	0	6	3	2.00	0.693	0.095	SQSTM1	IPI00179473	48 kDa protein	127
		1104.78	2	83.8	Raft	1	1	0	1	2	0	0	1	3	3						SQSTM1	IPI00179473	48 kDa protein	
405	NMVHPNVICDGCNGPVVGVTR	736.51	3	58.7	Non-raft	1	0	1	1	0	0	0	0	2	1	9	3	3.00	1.099	0.016	SQSTM1	IPI00179473	48 kDa protein	131
		737.27	3	86.2	Raft	2	1	2	1	1	0	2	0	7	2						SQSTM1	IPI00179473	48 kDa protein	
406	SSSQPSSCCSDPSKPGGVNEGATQSLAEQMR	1084.37	3	57.9	Non-raft	2	0	0	1	0	0	0	0	2	1	9	7	1.29	0.251	0.347	SQSTM1	IPI00179473	48 kDa protein	
		1085.08	3	94.3	Raft	1	2	2	1	2	2	2	1	7	6						SQSTM1	IPI00179473	48 kDa protein	
407	SSSQPSSCCSDPSKPGGVNEGATQSLAEQMR	1084.41	3	49.2	Non-raft	0	2	0	1	0	0	0	0	0	3	1	4	0.25	-1.386	0.999	SQSTM1	IPI00179473	48 kDa protein	
		1084.77	3	79.2	Raft	1	0	0	0	0	0	0	1	1	1						SQSTM1	IPI00179473	48 kDa protein	
408	FPNGTASSPSSPSPPSGCGEGGSGRPGGAGAADGMEEPGR	1269.19	3	47.4	Non-raft	0	0	0	0	0	0	1	0	1	0	1	0				SSTR1	IPI00027804	Somatostatin receptor type 1	21
409	ALDLLSSCKEAADGYQR	921.76	2	55.1	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1				STIP1	IPI00013894	Stress-induced-phosphoprotein 1	
410	WL CVGCEGGALGRR	535.96	3	47.7	Raft	0	0	0	0	0	0	1	0	1	0	1	0				STK11IP	IPI00885068	Isoform 2 of serine/threonine kinase 11-interacting protein	734/738
411	LQDGCN NNLTHTCTRGCSS	566.52	4	46.9	Non-raft	0	0	0	0	0	1	0	0	0	1	0	1				STK32B	IPI00293334	Isoform 1 of Serine/threonine-protein kinase 32B	
412	GPGLFILPCTDSFIK	878.20	2	62.2	Non-raft	1	0	2	0	0	0	0	0	3	0	14	0			H	STOM	IPI00219682	Erythrocyte band 7 integral membrane protein	87
		878.07	2	79.7	Raft	4	0	3	0	2	0	2	0	11	0						STOM	IPI00219682	Erythrocyte band 7 integral membrane protein	
413	GGNDT C FLEGLLGPLLSPPLGPSPLCTPGPFLLGMLS QLP R	1130.25	4	54.5	Raft	1	0	0	0	0	0	0	0	1	0	1	0				STRC	IPI00170605	Stereocilin precursor	568/590
414	KPPGSGRWLG AAGTATLPSSLC PGVQASR	980.10	3	46.7	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0				TACC2	IPI00743514	Similar to Transforming acidic coiled-coil-containing protein 2	82
415	WASGLTPAQNCP R	701.75	2	45.5	Raft	1	0	0	0	0	0	0	0	1	0	1	0				TAPBP	IPI00007327	Isoform 1 of Tapasin precursor	115

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						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
416	LDGHTSCLTWTPFNK	574.34	3	46.3	Raft	0	0	0	0	1	0	0	0	1	0	1	0			TBC1D9B	IP100307257	TBc1 domain family, member 9B (with GRAM domain) isoform a	308	
417	TGGTTDLDFQCSKCK	429.91	4	52.5	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1			TCEA3	IP100178146	Transcription elongation factor A protein 3		
418	NGTCCIALDLGLAVRHDSATDTIDIAPNHR	1017.31	3	50.2	Raft	0	0	0	1	0	0	0	0	0	1	0	1			TGFBF1	IP100005733	TGF-beta receptor type-1 precursor		
419	MPPPPPLSLRLGLQAPHQPGQPGFK	898.38	3	47.5	Non-raft	0	1	0	0	0	0	0	0	0	1	0	1			TLE3	IP100221206	Isoform 4 of Transducin-like enhancer protein 3		
420	GCCSQSDFGTTSLK	359.56	4	45.1	Raft	0	0	0	0	0	0	0	1	0	1	0	1			TLR4	IP100008673	Toll-like receptor 4 precursor		
421	SALCFVVAVGLVAGCGAGGVALLSTTSSR	667.61	4	45.4	Non-raft	0	0	0	0	1	0	0	0	1	0	1	0			TMEM125	IP100059631	Transmembrane protein 125	37	
422	GGAALLCLSALLAHASGR	560.93	3	47.1	Raft	0	0	0	0	0	0	0	1	0	1	0	1			TMEM132E	IP100413912	Hypothetical protein		
423	SMATYILKDFNACK	803.01	2	46.7	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0			TMEM63A	IP100006006	Transmembrane protein 63A	379	
424	GCEQVEAIEYYTKLEQK	1016.27	2	53.1	Raft	0	0	1	0	0	0	0	0	1	0	1	0			TMEM63B	IP100514538	transmembrane protein 63B	327	
425	EAALPILEPVLGQEQPAAPDQPCVLFADAPEPGQALPVEEAVTLAR	1223.72	4	48.8	Raft	1	0	1	0	0	0	0	0	2	0	2	0		M	TNKS1BP1	IP100304589	182 kDa tyankase 1-binding protein	631	
426	CTKEEHLCTQR	737.16	2	62.7	Non-raft	2	0	1	0	1	0	1	0	5	0	8	3	2.67	0.981	0.028	TPM3	IP100178083	29 kDa protein	209
		737.07	2	75.3	Raft	1	2	2	1	0	0	0	0	3	3					TPM3	IP100178083	29 kDa protein		
427	ESQSLGGQSCAGEPDEELVGAFFIVR	735.16	4	45.9	Raft	0	0	0	0	1	0	0	0	1	0	1	0			TRAIP	IP100306611	TRAF-interacting protein	373	
428	NQSLPVMIGSFAAPVCTSSPKMGLVK	898.97	3	45.2	Raft	0	0	0	0	0	0	1	0	1	0	1	0			TRAK2	IP100297257	Trafficking kinesin-binding protein 2	902	
429	MQSLSEAPNSDSLAPKPSNSASDCTASTTELK	1119.37	3	43.5	Raft	0	0	0	0	0	1	0	0	0	1	0	1			TSHZ2	IP100032988	Teashirt homolog 2		
430	GCSLGSVLLSPTSTAPATSSSTVTAK	632.46	4	53.8	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			TSHZ3	IP100001743	Teashirt homolog 3	801	
431	VADEALKVDDCDCHPEFSPSPSQPK	734.98	4	47.9	Raft	1	0	0	0	0	0	0	0	1	0	1	0			TTC3	IP100023977	Isoform TRPDI of Tetratricopeptide repeat protein 3	422	
432	MICQLYISKPHIDGFK	515.37	4	45.6	Raft	0	0	0	0	0	1	0	0	0	1	0	1			TLL6	IP100297940	cDNA FLJ40073 fis, clone TESTI2000272.		
433	AYHEQLSVAEITNACFEPANQMVK	898.88	3	59.4	Non-raft	0	0	0	1	0	0	1	0	1	1	4	1	4.00	1.386	0.003	TUBA4A	IP100007750	Tubulin alpha-1 chain	295
		898.89	3	57.4	Raft	1	0	1	0	1	0	0	0	3	0					TUBA4A	IP100007750	Tubulin alpha-1 chain		
434	SIQFVDWCPTGFK	1112.74	3	62.9	Non-raft	2	1	0	0	0	0	0	0	2	1	2	2	1.00	0.000	0.551	TUBA4A	IP100007750	Tubulin alpha-1 chain	
		765.08	2	47.5	Raft	0	1	0	0	0	0	0	0	0	1					TUBA4A	IP100007750	Tubulin alpha-1 chain		
435	MREIVHIQAGCQGNQIGAK	690.78	3	97.0	Non-raft	4	3	6	4	3	0	1	0	14	7	15	10	1.50	0.405	0.238	TUBB2C	IP100007752	Tubulin beta-2C chain	12
		685.61	3	80.5	Raft	0	2	1	1	0	0	0	0	1	3					TUBB2C	IP100007752	Tubulin beta-2c chain		
436	NMMAACDPR	505.02	2	52.2	Raft	0	0	0	0	1	0	0	0	1	0	1	0			TUBB2C	IP100007752	Tubulin beta-2c chain	303	
437	VTEAPCYPGAPSTEASGQTGPQEPTSARA	954.57	3	64.0	Raft	0	0	0	0	1	0	0	0	1	0	1	0			TXLNA	IP100470779	Alpha-taxilin	523	
438	LRCGGTAEELDV	688.50	2	55.8	Non-raft	1	0	1	0	0	0	1	0	3	0	3	0		H	UGCG	IP100003861	Ceramide glucosyltransferase	384	
439	AASNAAAAAAGLDFAFGLPCAPR	719.13	3	49.9	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1			UNCX	IP100248578	PREDICTED: similar to Unc4.1 homeobox		
440	TAGQPEGGPGADFGQSCFPAEAGRDTLSR	960.79	3	103.0	Raft	2	2	2	2	1	1	1	1	6	6	6	6	1.00	0.000	0.551	USP10	IP100291946	Ubiquitin carboxyl-terminal hydrolase 10	
441	TPSYSISSTLNPQAPEFILGCTASK	871.77	3	58.1	Raft	0	1	0	0	0	0	0	0	0	1	0	1			USP10	IP100291946	Ubiquitin carboxyl-terminal hydrolase 10		
442	ELADNSCLRPIDRNGK	601.73	3	51.8	Raft	0	0	1	0	0	0	0	0	1	0	1	0			USP40	IP100398007	ubiquitin specific protease 40	810	
443	RACSDVTTVAK	384.46	3	48.8	Raft	0	0	0	0	0	1	0	0	0	1	0	1			UTS2D	IP100792987	9 kDa protein		
444	CVFEMPENDKLNDMEPSK	1120.68	2	51.4	Non-raft	2	0	1	0	0	0	0	0	3	0	3	0		H	VAPA	IP100170692	vesicle-associated membrane protein-associated protein A isoform 2	128	
445	VCELDLTVSNLAWTSGTNCCTR	1205.97	2	61.1	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			VDAC2	IP100024145	Isoform 1 of Voltage-dependent anion-selective channel protein 2	225	
446	VCELDLTVSNLAWTSGTNCCTR	1206.48	2	60.3	Non-raft	1	0	0	0	0	0	0	0	1	0	1	0			VDAC2	IP100024145	Isoform 1 of Voltage-dependent anion-selective channel protein 2	242	
447	QVQSLTCEVDALKGTNESLER	1161.32	2	125.5	Raft	2	4	3	2	2	3	2	1	9	10	9	10	0.90	-0.105	0.636	VIM	IP100418471	Vimentin	
448	GQEDAVAPGCKASGR	483.15	3	46.9	Raft	1	0	0	0	0	0	0	0	1	0	1	0			VSIG8	IP100479090	Novel protein	29	
449	ASPPSSSNCISSGEMQK	428.14	4	44.6	Raft	0	0	0	0	1	0	0	0	1	0	1	0			VWF	IP100023014	von Willebrand factor precursor	210	
450	TWCPPCLPAPSPAQMIPSPAVTGSQRPPWGSQR	936.29	4	58.0	Raft	0	0	1	0	0	0	0	0	1	0	1	0			WDR90	IP100640784	cDNA FLJ44660 fis, clone BRACe3002344, weakly similar to Yvegetabile incompatibility protein HET-E-1	983	
451	CHGVSGSCTVRTCWR	445.30	4	46.2	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1			WNT9A	IP100220170	Protein Wnt-9a precursor		
452	ASGGRGGPAGAAAGSGGGDAPGAGR	550.35	4	49.5	Raft	0	0	1	0	0	0	0	0	1	0	1	0			WTIP	IP100787845	PREDICTED: similar to WT1-interacting protein	201	
453	CCCCAGSGGSAGSGGGVAGPGGGGAGSAALCLR	720.20	4	50.7	Raft	0	1	0	0	0	0	0	0	0	1	0	1			XKR4	IP100174859	XK-related protein 4		
454	CCCCAGSGGSAGSGGGVAGPGGGGAGSAALCLR	958.31	4	54.1	Raft	0	0	0	1	0	0	0	0	0	1	0	1			XKR4	IP100174859	XK-related protein 4		
455	YRPENTPEPVSTSVSHYGAEPTTVSPCPSSSAK	1155.61	3	59.5	Non-raft	0	0	1	0	0	0	0	0	1	0	11	0		H	YES1	IP100013981	Proto-oncogene tyrosine-protein kinase Yes	42	
		1155.97	3	91.8	Raft	4	0	3	0	1	0	2	0	10	0					YES1	IP100013981	Proto-oncogene tyrosine-protein kinase Yes		
456	MPSCDPGPGPALPTK	425.24	4	52.7	Raft	0	0	0	0	0	0	0	1	0	1	0	1			YPEL4	IP100043857	Protein yippe-like 4		
457	MSRPSSVSRQPAPGGGGGSPSPCPGGGGGR	709.91	4	44.6	Non-raft	1	0	1	0	0	0	0	0	2	0	2	0		M	YTHDC2	IP100010200	YTH domain containing 2	25	

No.	Sequence	Precursor m/z	Charge	Score	Fraction	Replicate								Total EXP Each Fraction	Total CON Each Fraction	Total EXP Both Fractions	Total CON Both Fractions	EXP/CON Ratio	Ln(EXP/CON)	P-value	Gene Symbol	Acc.Number	Description	Site
						1st Biological				2nd Biological														
						1st Tech		2nd Tech		1st Tech		2nd Tech												
						EXP	CON	EXP	CON	EXP	CON	EXP	CON											
458	LAEQAERYDDMAT <b>C</b> MK	938.56	2	72.0	Non-raft	0	3	1	1	0	2	0	2	1	8	1	8	0.13	-2.079	1.000	YWHAQ	IPI00018146	14-3-3 protein theta	
459	LAEQAERYDDMA <b>A</b> C <b>M</b> CK	923.23	2	71.6	Non-raft	4	1	1	4	3	3	1	3	9	11	10	11	0.91	-0.095	0.628	YWHAZ	IPI00021263	14-3-3 protein zeta/delta	
		616.12	3	46.3	Raft	0	0	0	0	0	0	1	0	1	0						YWHAZ	IPI00021263	14-3-3 protein zeta/delta	
460	SLAATPSSSLP <b>C</b> T <b>L</b> I <b>A</b> L <b>G</b> L <b>R</b>	986.56	2	52.8	Raft	0	0	1	0	0	0	0	0	1	0	1	0				YY1AP1	IPI00303506	YY1 associated protein	122
461	DSYANGTGSSGGGPGGGGSEASGAGVGS <b>G</b> SSD <b>A</b> I <b>C</b> R <b>D</b> FL <b>R</b>	959.60	4	47.2	Raft	0	0	0	0	0	0	1	0	1	0	1	0				ZC3H10	IPI00064474	cDNA FLJ14451 fis, clone HEMBB1001834	42
462	SEAGHASSPDSEV <b>T</b> S <b>L</b> C <b>Q</b> KE <b>K</b>	548.21	4	46.4	Raft	0	0	0	0	0	0	0	1	0	1	0	1				ZCCHC8	IPI00166422	Isoform 2 of Zinc finger CCHC domain-containing protein 8	
463	MKD <b>C</b> EYQ <b>Q</b> IS <b>P</b> GA <b>A</b> PL <b>P</b> AS <b>P</b> GA <b>R</b>	796.80	3	44.2	Raft	1	0	0	0	0	0	0	0	1	0	1	0				ZDHHC18	IPI00183979	Palmitoyltransferase ZDHHC18	4
464	FRGGV <b>N</b> P <b>F</b> T <b>N</b> G <b>C</b> C <b>N</b> N <b>V</b> S <b>R</b>	689.76	3	58.4	Raft	2	0	1	0	2	0	2	0	7	0	7	0		H	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	236	
465	GGV <b>N</b> P <b>F</b> T <b>N</b> G <b>C</b> C <b>N</b> N <b>V</b> S <b>R</b>	820.05	2	82.9	Non-raft	5	0	4	0	4	0	5	0	18	0	42	0		H	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	236/237	
		820.10	2	97.5	Raft	6	0	6	0	6	0	6	0	24	0						ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	
466	V <b>L</b> C <b>S</b> S <b>P</b> A <b>P</b> R	465.19	2	56.9	Non-raft	0	0	0	0	2	0	0	0	2	0	22	0		H	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	245	
		465.24	2	66.3	Raft	6	0	5	0	4	0	5	0	20	0						ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	
467	T <b>F</b> T <b>S</b> P <b>C</b> T <b>E</b> E <b>P</b> R	708.49	2	45.0	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0				ZDHHC6	IPI00008350	Isoform 1 of Probable palmitoyltransferase ZDHHC6	343
468	Y <b>K</b> V <b>I</b> E <b>D</b> Y <b>S</b> G <b>A</b> C <b>C</b> P <b>L</b> N <b>K</b>	902.30	2	103.4	Non-raft	2	0	2	0	0	0	0	0	4	0	4	0		H	ZDHHC6	IPI00008350	Isoform 1 of Probable palmitoyltransferase ZDHHC6	328/329	
469	G <b>C</b> C <b>G</b> N <b>V</b> E <b>H</b> V <b>L</b> C <b>S</b> P <b>L</b> A <b>P</b> R	878.57	2	75.6	Non-raft	2	0	0	0	0	0	0	0	2	0	2	0		M	ZDHHC8	IPI00385426	Isoform 1 of Probable palmitoyltransferase ZDHHC8	236/237/245	
470	S <b>K</b> Y <b>C</b> L <b>K</b>	371.05	2	46.9	Non-raft	0	0	0	0	0	1	0	0	0	1	0	1				ZFP161	IPI00307325	Zinc finger protein 161 homolog	
471	M <b>I</b> P <b>I</b> C <b>P</b> V <b>V</b> S <b>F</b> T <b>Y</b> V <b>P</b> S <b>R</b> L <b>G</b> E <b>D</b> A <b>K</b>	1232.93	2	58.6	Raft	0	0	1	0	2	0	1	0	4	0	4	0		H	ZFR	IPI00333858	117 kDa protein	5	
472	T <b>F</b> C <b>S</b> L <b>S</b> C <b>L</b> S <b>S</b> Y <b>E</b> E <b>K</b>	533.45	3	44.2	Non-raft	0	0	0	0	0	0	0	1	0	1	0	2				ZMYM1	IPI00470588	Novel protein	
		533.45	3	44.1	Raft	0	0	0	1	0	0	0	0	0	1						ZMYM1	IPI00470588	Novel protein	
473	STGGGGG <b>D</b> GGGGGGG <b>A</b> E <b>A</b> G <b>T</b> G <b>A</b> G <b>G</b> G <b>C</b> G <b>S</b> <b>C</b> C <b>P</b> G <b>G</b> L <b>R</b>	890.57	3	45.0	Non-raft	0	0	1	0	0	0	0	0	1	0	1	0				ZNF282	IPI00003798	Zinc finger protein 282	496/499/500
474	DALEM <b>I</b> C <b>N</b> LE <b>S</b> E <b>G</b> DE <b>K</b>	899.17	2	51.9	Raft	0	0	0	1	0	0	0	0	0	1	0	1				ZNF292	IPI00164352	PREDICTED: similar to Zinc finger protein 292 isoform 1	
475	A <b>C</b> E <b>I</b> K <b>D</b> N <b>S</b> <b>Q</b> C <b>G</b> G <b>P</b> F <b>T</b> Q <b>D</b> S <b>I</b> V <b>N</b> E <b>K</b>	946.86	3	44.2	Non-raft	0	0	0	1	0	0	0	0	0	1	0	1				ZNF441	IPI00175390	Zinc finger protein 441	

**Note 1.** No. = Number (see the 1st column).

**Note 2.** The peptide sequences (see the 2nd column) were assorted according to the Gene Symbols (see the 22th column).

**Note 3.** Cysteins in blue (bold and underlined, see the 2nd column) were free cysteine residues, indicating that they were potentially S-acylated prior to ABE reaction. Cysteines in red were modified by N-ethylmaleimide, indicating that they were originally non-acylated.

**Note 4.** The peptide sequences (see the 2nd column) are only representative, since a maximum of one miscleavage gives rise to a maximum of 3 unique peptides.

**Note 5.** High-confidence candidate S-acylated peptides were highlighted with yellow and medium-confidence candidate S-acylated peptides were highlighted with orange (see the 2nd column).

**Note 6.** A value of 1 was substituted for spectral counts of 0 so that the EXP/CON ratios and log-ratios ln(EXP/CON) can be calculated (see the 19th and 20th columns)

**Note 7:** The p-values for the candidate S-acylated peptides that were not identified in the CON groups were not calculated. Instead, the peptides with no less than 3 spectral counts and 2 spectral counts in total in the EXP groups were considered to be candidate S-acylated peptides with high confidence (H) and medium confidence (M), respectively (see the 21th column). See the main text for detailed explanation.

**Note 8.** S-acylated peptides were purified from 1.25 mg non-raft or 2.70 mg raft protein samples.

**Table S6. High-confidence candidate S-acylation sites.**

Peptide	Gene Symbol	Acc. Number	Description	Site	Known Site	Species	Reference	Protein-based
MLITSQAMDILRCNPNQK	-	IPI00022913	PRO1575	13				
KCLLLLQLR	-	IPI00747966	Conserved hypothetical protein	87/92				
FRCPALFQPSFLGMESCQGIHETTFNSIMK	ACTB	IPI00021439	Actin, cytoplasmic 1	272	-	Dictyostelium	<a href="#">16453612</a>	
	ACTG1	IPI00021440	Actin, cytoplasmic 2	272	-	Dictyostelium	<a href="#">16453612</a>	
NSGSCCLCLPR	ADCY3	IPI00028513	Adenylate cyclase type 3	46/48				
CQPAPPIDEDLPEERPDD	ADORA1	IPI00026872	Adenosine A1 receptor	309	309	Human	<a href="#">10455026</a>	
SSGCDVNLPGVNVKLTPTGQISGPEIK	AHNAK	IPI00555610	313 kDa protein	2572				
SCCEQNPELLPK	ANLN	IPI00032958	Isoform 2 of Actin-binding protein anillin	309				
YCAGEENWVDSR	ATP11A	IPI00255653	Probable phospholipid-transporting ATPase 1H	14				H
NLEAVETLGGSTSTICSDKTGTLTQNR	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	374				
	ATP1A2	IPI00003021	Sodium/potassium-transporting ATPase alpha-1 chain precursor	372				
ATSVLCLLR	C13orf1	IPI00030959	24 kDa protein	7/8				M
MFSCVKPYEDQNYALSRR	CAPN5	IPI00643994	CDNA FLJ46245 fis, clone TEST14020596, highly similar to Homo sapiens calpain 5	44				
CFSSVSLQLSQD	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	151				H
WACLVAGGSKYSEFTSTTSGTGHNQTR	CD97	IPI00299412	Isoform 2 of CD97 antigen precursor	709				
LGCCVVEKPQPK	CDC42SE1	IPI00024972	CDC42 small effector 1	10				
LGCCVVEKPQPK	CDC42SE1	IPI00024972	CDC42 small effector 1	11				
LGCCVVEKPQPK	CDC42SE1	IPI00024972	CDC42 small effector 1	10/11	10/11		Uniprot-probable	
SSSSSSASAAAAAASSASCSR	CKAP4	IPI00141318	Isoform 1 of Cytoskeleton-associated protein 4	100	100	Human	<a href="#">18296695</a>	H
KCEPIIMTVPR	CORO1C	IPI00008453	coronin-1c	396				
YQEAAPNVANNTGPHAASCFGAK	CTNND1	IPI00182469	Isoform 1AB of Catenin delta-1	618				H
VRPCVVYGGADIGQQIRDLER	DDX3X	IPI00215637	ATP-dependent RNA helicase DDX3X	298				
DKDDDGGEDDDANCNLICGDEYGPETR	DHX9	IPI00844578	ATP-dependent RNA helicase A	608				
AITIANQTNCLPLYITK	DPYSL2	IPI00257508	Dihydropyrimidinase-related protein 2	248				
CSGPLGIEGGIISNQITASSTHR	EDIL3	IPI00306046	Isoform 1 of EGF-like repeat and discoidin 1-like domain-containing protein 3 precursor	158				
SCGSSTPDEFPTDIPGTK	EIF2S3	IPI00297982	Eukaryotic translation initiation factor 2 subunit 3	105				
LDLPNRPETSFLWFTNPCK	FER1L3	IPI00021048	Isoform 1 of Myoferlin	2013				M
CSGPGLSPGMVR	FLNA	IPI00302592	filamin 1	1165				
SPYTVTVGQACNPSCAR	FLNA	IPI00302592	filamin 1	477/483				
VGSAADIPINISSETDLSLLTATVVPSPGREEPCLLK	FLNA	IPI00302592	filamin 1	1989				
VHSPSGALEECYVTEIDQDKYAVR	FLNA	IPI00302592	filamin 1	2370				
AGSNMLLIGVHGPTTPCEEVSMK	FLNB	IPI00289334	Isoform 1 of Filamin-B	2556				
AHIANPSGASTECFVTDNADGTYQVEYTPFEK	FLNB	IPI00289334	Isoform 1 of Filamin-B	1280				
CLATGPGIASTVK	FLNB	IPI00289334	Isoform 1 of Filamin-B	1617				
GAGTGGLGLTVEGPCAEK	FLNB	IPI00289334	Isoform 1 of Filamin-B	1081				
SPFVVQVGEACNPSCAR	FLNB	IPI00289334	Isoform 1 of Filamin-B	450				
SPFVVQVGEACNPSCAR	FLNB	IPI00289334	Isoform 1 of Filamin-B	455				
SSFLVDCSKAGSNMLLIGVHGPTTPCEEVSMK	FLNB	IPI00289334	Isoform 1 of Filamin-B	2556				
VVPCLVTPVTGR	FLNB	IPI00289334	Isoform 1 of Filamin-B	991				
MFFTCCGPNAMVVSQFCR	FLOT1	IPI00027438	Flotillin-1	17				H
MFFTCCGPNAMVVSQFCR	FLOT1	IPI00027438	Flotillin-1	5/17				
SPPVMVAGGRVFLPCIQIQR	FLOT1	IPI00027438	Flotillin-1	34	34	Mouse	<a href="#">12370178</a>	
DSGAALGLGIALHSPCYAQVR	G6PC3	IPI00031052	glucose-6-phosphatase catalytic subunit 3	269				
IISNASCTTNCLAPLAK	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	156				
CGIFAYLNYHVPR	GFPT1	IPI00217952	Isoform 1 of Glucosamine-fructose-6-phosphate aminotransferase [isomerizing] 1	2				H
TLESMMACCLSDVEKESK	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	9				H

Peptide	Gene Symbol	Acc. Number	Description	Site	Known Site	Species	Refence	Protein-based
TLESMA <b>CC</b> LSDEVKESK	GNA11	IPI00305551	Guanine nucleotide-binding protein subunit alpha-11	9/10	9/10	Human	<a href="#">9175863</a>	
SVLSV <b>CF</b> PG <b>CL</b> LTSGEAEQQR	GNA13	IPI00290928	Guanine nucleotide-binding protein alpha-13 subunit	14				H
SVLSV <b>CF</b> PG <b>CL</b> LTSGEAEQQR	GNA13	IPI00290928	Guanine nucleotide-binding protein alpha-13 subunit	14/18	14/18/37	Human	<a href="#">10747909</a>	
TLESIMA <b>CC</b> LSEEAKEAR	GNAQ	IPI00288947	Guanine nucleotide binding protein	9	9/10	Human		H
TLESIMA <b>CC</b> LSEEAKEAR	GNAQ	IPI00288947	Guanine nucleotide binding protein	10				
TLESIMA <b>CC</b> LSEEAKEAR	GNAQ	IPI00288947	Guanine nucleotide binding protein	9/10	9/10	Human	<a href="#">8227063</a>	
ATTVPD <b>GC</b> RNGLK	GPRC5A	IPI00022624	Retinoic acid-induced protein 3	9				H
QRNPMDY <b>P</b> VEDAF <b>CK</b> PQLVK	GPRC5A	IPI00022624	Retinoic acid-induced protein 3	284				
MYG <b>C</b> DLGPDGR	HLA-B	IPI00471955	HLA class I histocompatibility antigen, B-50 alpha chain precursor	125	332/349	Human	<a href="#">17785801</a>	M
	HLA-C	IPI00473131	HLA class I histocompatibility antigen, Cw-6 alpha chain precursor	125	-	Human	<a href="#">17785801</a>	M
LLQ <b>CD</b> PSSASQF	HPCA	IPI00219103	Neuron-specific calcium-binding protein hippocalcin	185				
SETVLT <b>CA</b> TGR	ITGA3	IPI00215995	Isoform Alpha-3A of Integrin alpha-3 precursor	904				M
VREAM <b>CP</b> GVSGEDSSLLLATQVEGQATNLQR	JUP	IPI00554711	Junction plakoglobin	90				
MLQSLAGSS <b>CV</b> R	KCNK1	IPI00010476	Potassium channel subfamily K member 1	10				
SFVLNLGKDSNNL <b>CL</b> HFNPR	LGALS1	IPI00219219	Galectin-1	43				M
AVVMIS <b>C</b> NRHTLADNFPVSEER	M6PR	IPI00025049	Cation-dependent mannose-6-phosphate receptor precursor	145	30/34	Bovine	<a href="#">8647889</a>	M
SKIVGAPMHDLLLWNNATVTT <b>CH</b> SK	MTHFD1	IPI00218342	C-1-tetrahydrofolate synthase, cytoplasmic	195				
VASMAQ <b>SAP</b> SEAP <b>SC</b> SPFGK	MPP1	IPI00215610	55 kDa erythrocyte membrane protein	242	-	Human	<a href="#">1713685</a>	M
FA <b>CH</b> SA <b>SL</b> TVR	NONO	IPI00304596	Non-POU domain-containing octamer-binding protein	145				M
NIQTDNNKSIG <b>CF</b> GSR	PKP2	IPI00005264	Isoform 2 of Plakophilin-2	647				
DLAGAPPGEVV <b>GC</b> F <b>T</b> PQSR	PKP3	IPI00026952	Plakophilin-3	569				
ADSERLSAP <b>GC</b> WAA <b>CT</b> NFSR	PLP2	IPI00030362	Proteolipid protein 2	12/16				M
VYFAAEDTD <b>CC</b> TR	PLSCR1	IPI00005181	Phospholipid scramblase 1	149	184-189			H
VYFAAEDTD <b>CC</b> TR	PLSCR1	IPI00005181	Phospholipid scramblase 1	148/149	184-189		<a href="#">12564925</a>	
SGAGQPLGQAAEESN <b>CC</b> AR	PLSCR3	IPI00216127	Phospholipid scramblase 3	125				H
SGAGQPLGQAAEESN <b>CC</b> AR	PLSCR3	IPI00216127	Phospholipid scramblase 3	126				
SGAGQPLGQAAEESN <b>CC</b> AR	PLSCR3	IPI00216127	Phospholipid scramblase 3	125/126				
VVGP <b>CW</b> T <b>CG</b> CGTDTNFEVK	PLSCR3	IPI00216127	Phospholipid scramblase 3	211/214/216	211/214/216			Uniprot-probable
VRGP <b>CS</b> TY <b>GC</b> GSDSVFEVK	PLSCR4	IPI00016776	Phospholipid scramblase 4	250/255	250/255			Uniprot-probable
TREE <b>CH</b> FYAGGQVYPGEASR	PRDX4	IPI00011937	Peroxiredoxin-4	51				
SL <b>IC</b> SISNEVPEHP <b>CV</b> SPVSNHVYER	PRPF19	IPI00004968	Pre-mRNA-processing factor 19	16				M
ALAQEW <b>GC</b> PFMETS <b>AK</b>	RAP2C	IPI00009607	Ras-related protein Rap-2c precursor	140				H
LLAQE <b>CA</b> V <b>CG</b> WALPHNRMQALTS <b>CE</b> CT <b>IC</b> PD <b>CF</b> R	RNF31	IPI00094740	Isoform 1 of RING finger protein 31	702/717/719/722/725				
AKVDE <b>FPL</b> CGHMVSDYEYQLSSEALEAAR	RPL10	IPI00554723	60S ribosomal protein L10	49				
FSV <b>CV</b> LGDQ <b>QH</b> CD <b>EAK</b>	RPL10A	IPI00412579	60S ribosomal protein L10a	74				M
HPHDIIDDINGAVE <b>CP</b> PAS	RPL12	IPI00024933	60S ribosomal protein L12	162				M
SGQGA <b>FG</b> N <b>M</b> CR	RPL4	IPI00003918	60S ribosomal protein L4	96				
AGAIA <b>P</b> CE <b>VT</b> VPAQNTGLGPEK	RPLP0	IPI00008530	60S acidic ribosomal protein P0	119				
ALANVNI <b>GL</b> IC <b>NV</b> GAGGPAPAAGAAPAGGPAPSTAAAPAEK	RPLP1	IPI00008527	60S acidic ribosomal protein P1	61				
KLLMMAGIDD <b>CY</b> T <b>SAR</b>	RPS2	IPI00013485	40S ribosomal protein S2	222				
AEPSAATQSHSISSSSFGAEP <b>SAP</b> GGGGSPG <b>AC</b> PALG <b>TK</b>	RTN3	IPI00028946	Reticulon-3	34				
FVQ <b>CP</b> DGELQK	RUVBL2	IPI00009104	RuvB-like 2	227				
ML <b>K</b> CI <b>PL</b> WR	SCRIB	IPI00410666	Isoform 3 of Protein LAP4	4				H
SPAESAAAGLT <b>CL</b> PSVTR	SFT2D3	IPI00166444	Vesicle transport protein SFT2C	67				M
VKVQSVETVE <b>GC</b> THEVALPAEEDYLPLKPR	SKIV2L2	IPI00647217	Superkiller viralicidic activity 2-like 2	110				
GLAAA <b>EPT</b> ANGGLALASIEDQGA <b>AGGY</b> CGSRDQVR	SLC1A5	IPI00019472	Neutral amino acid transporter B(0)	39				H

Peptide	Gene Symbol	Acc. Number	Description	Site	Known Site	Species	Refence	Protein-based
SSGPGMAPSA <u>CCC</u> SPAALQR	SLC26A11	IPI00410334	Sulfate/anion exchanger	23/24/25				
<u>AC</u> VFGNEPKASDEVPLAPR	SLC35B2	IPI00384867	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	80				H
SLNPATIYPVLPKLLSLLPLS <u>CQK</u>	SLC5A6	IPI00031822	Sodium-dependent multivitamin transporter	577				H
<u>GCK</u> VLLNIGQQLR	SLC7A1	IPI00027728	High-affinity cationic amino acid transporter 1	3				H
TLTELNK <u>CCGLCVCPC</u> NR	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	79/80/83/85/87	80/83/85/87	Human	<a href="#">12551899</a>	H
TTWGDGGENSP <u>CNNV</u> SK	SNAP23	IPI00010438	Isoform SNAP-23a of Synaptosomal-associated protein 23	112				
SIGVPIKVLHEAEGHIVT <u>C</u> ETNTGEVYR	SNRPD3	IPI00017964	Small nuclear ribonucleoprotein Sm D3	10				
NMVHPNVI <u>CDGC</u> NGPVVVGTR	SQSTM1	IPI00179473	48 kDa protein	131				
GPGLFILP <u>CTD</u> SFIK	STOM	IPI00219682	Erythrocyte band 7 integral membrane protein	87	30/87	Human	<a href="#">10338112</a>	H
<u>CTKEEHLCTQR</u>	TPM3	IPI00178083	29 kDa protein	209				
AYHEQLSVAEITNA <u>CF</u> FEPANQMVK	TUBA4A	IPI00007750	Tubulin alpha-1 chain	295				
<u>LR</u> CGGTAAEILDV	UGCG	IPI00003861	Ceramide glucosyltransferase	384				
<u>CV</u> FEMPENDKLNDMEPSK	VAPA	IPI00170692	vesicle-associated membrane protein-associated protein A isoform 2	128				
YRPENTPEPVSTSVSHYGAEPTTVSP <u>C</u> PSSSAK	YES1	IPI00013981	Proto-oncogene tyrosine-protein kinase Yes	42	3	Monkey	<a href="#">7980442</a>	H
FRGGVNPFTNG <u>CC</u> NNVSR	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	236				H
GGVNPFTNG <u>CC</u> NNVSR	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	236/237				
<u>VL</u> CSSPAPR	ZDHHC5	IPI00328272	Isoform 1 of Probable palmitoyltransferase ZDHHC5	245				
YKVIEDYSGA <u>CC</u> PLNK	ZDHHC6	IPI00008350	Isoform 1 of Probable palmitoyltransferase ZDHHC6	328/329				M
MIP <u>C</u> PVVVSFTYVPSRLGEDAK	ZFR	IPI00333858	117 kDa protein	5				M

**Note 1.** Acc. Number = Accession Number (see the 3rd column).

**Note 2.** Cysteins in blue (bold and underlined, see the 2nd column) were free cysteine residues, indicating they were potentially S-acylated prior to ABE reaction. Cysteines in red (see the 2nd column) were modified by N-ethylmaleimide, indicating they were originally non-acylated.

**Note 3.** Protein-based = Proteins also identified with high (H) or medium (M) confidence using the protein-based procedure (see the 9th column).

**Table S7. Medium-confidence candidate S-acylation sites.**

Peptide	Gene Symbol	Acc. Number	Description	Site	Known Site	Species	Reference	Protein-based
<u>C</u> QLEINFNTLQTK	ACTN4	IPI00013808	Alpha-actinin-4	351				
MD <u>C</u> SLVR	ATP11A	IPI00255653	Probable phospholipid-transporting ATPase 1H	3				H
LIIVEG <u>C</u> QR	ATP1A1	IPI00006482	Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	705				
AG <u>C</u> CEWLR	ATP9A	IPI00024368	Isoform Long of Probable phospholipid-transporting ATPase 1IA	24/25				
VAQAFREAGENTQVAEPEA <u>C</u> DQMYESLAR	C6orf125	IPI00031617	Protein C6orf125	53				M
SVTDVIIAPL <u>C</u> TSVGR	CAV2	IPI00019870	Isoform Alpha of Caveolin-2	145				H
AN <u>C</u> EFSPVSGDKP <u>C</u> CR	CD38	IPI00006071	Isoform 1 of ADP-ribosyl cyclase 1	15/16				
MM <u>C</u> GAPSATQPATAETQHIADQVR	CSTB	IPI00021828	Cystatin B	3				
QDLGGT <u>C</u> VNEG <u>C</u> IPTK	DERP12	IPI00382990	DERP12	45/50				
SSILLDVKPWDDEITDMAKLEE <u>C</u> VR	EEF1B2	IPI00178440	Elongation factor 1-beta	161				
AAPAPGAGAASGGAG <u>C</u> SGGGAGAGAGSGGAAGAGGRPSR	FBXO45	IPI00174438	PREDICTED: similar to F-box protein 45 isoform 2	17				
DAGYGGISLAVEGPKVDIQTEDLEDGT <u>C</u> K	FLNB	IPI00289334	Isoform 1 of Filamin-B	2057				
VAVTEG <u>C</u> QPSR	FLNB	IPI00289334	Isoform 1 of Filamin-B	1326				
VMSQNFN <u>C</u> HTK	G3BP1	IPI00012442	Ras-GTPase-activating protein-binding protein 1	73				
IISNAS <u>C</u> TTN <u>C</u> LAPLAK	GAPDH	IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	152/156	244	Rabbit	<a href="#">16128592</a>	
<u>C</u> LLPAEAGGAR	GNA12	IPI00328744	Guanine nucleotide-binding protein alpha-12 subunit	11	11	Human	<a href="#">9485474</a>	H
<u>C</u> PEALFQ <u>C</u> FLGMES <u>C</u> GIHETTFNSIMK	LOC653781	IPI00479743	protein expressed in prostate, ovary, testis, and placenta 2	965/972				
<u>C</u> DC <u>C</u> FHMVLPWTWPGTPGSVSGR	LOC730269	IPI00787939	PREDICTED: similar to periaxin	2/4				
RLLY <u>C</u> QR	MMP14	IPI00218398	Matrix metalloproteinase-14 precursor	574	574	Human	<a href="#">15946988</a>	H
RDWDNSGPF <u>C</u> GTISSK	MPP6	IPI00303280	MAGUK p55 subfamily member 6	298	-	Human		H
ALALAALAAVEPA <u>C</u> GSR	NDFIP1	IPI00012235	Isoform 1 of NEDD4 family-interacting protein 1	15				M
LKGNHVAVSTA <u>C</u> TTGAHAVGDSFR	OXSM	IPI00016637	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial precursor	209				
VMTIPYQMPASSPV <u>C</u> AGGQDR	PCBP1	IPI00016610	Poly(rc)-binding protein 1	194				
SGAGQLGQAAEESN <u>C</u> CARL <u>C</u> CGAR	PLSCR3	IPI00216127	Phospholipid scramblase 3	130/131	211/214/216		Uniprot-probable	H
EYRDLTTAGAVTQ <u>C</u> YR	RPL18A	IPI00026202	60S ribosomal protein L18a	109				
SA <u>C</u> GV <u>C</u> PGR	RPL34	IPI00219160	60S ribosomal protein L34	46				
AQLNIGNVLPVGTMPGTV <u>C</u> CLEEKPGDRGK	RPL8	IPI00012772	60S ribosomal protein L8	114				
GL <u>C</u> FPVVK	SLC35B2	IPI00384867	Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	73				H
EAALPILEPVLGQEQAAPDQ <u>C</u> VLFADAPEPGQALPVEEEAVTLAR	TNKS1BP1	IPI00304589	182 kDa tankyrase 1-binding protein	631				
MSRPSSVSPRPAPGGGGGGGSP <u>C</u> GPGGGGR	YTHDC2	IPI00010200	YTH domain containing 2	25				
<u>C</u> CCGNVEHVL <u>C</u> SPLAPR	ZDHHC8	IPI00385426	Isoform 1 of Probable palmitoyltransferase ZDHHC8	236/237/245				

**Note 1.** Acc. Number = Accession Number (see the 3rd column).

**Note 2.** Cysteins in blue (bold and underlined, see the 1st column) were free cysteine residues, indicating that they were potentially S-acylated prior to ABE reaction. Cysteines in red (see the 1st column) were modified by N-ethylmaleimide, indicating that they were originally non-acylated.

**Note 3.** Protein-based = Proteins also identified with high (H) or medium (M) confidence using the protein-based procedure (see the 9th column).



**Table S8. Known human S-acylated proteins and S-acylation sites.**

Accession	Entry name	Gene symbol	Palmitoylation sites	PMID	Status	Protein names	Genes	Length
Q86YR6	A26B3_HUMAN	A26B3	cysteine-rich domain	<a href="#">17904529</a>	Manual	ANKRD26-like family B member 3 (Ankyrin repeat domain-containing protein 21) (Protein POTE) (Prostate, ovary, testis-expressed protein)	A26B3 (ANKRD21) (POTE)	584
Q6S8J3	A26CA_HUMAN	A26C1A	cysteine-rich domain	<a href="#">17904529</a>	Manual	ANKRD26-like family C member 1A (Prostate, ovary, testis-expressed protein on chromosome 2) (POTE-2)	A26C1A (POTE2)	1075
Q6S545	A26C3_HUMAN	A26C3	cysteine-rich domain	<a href="#">17904529</a>	Manual	ANKRD26-like family C member 3 (Prostate, ovary, testis-expressed protein on chromosome 22) (POTE-22)	A26C3 (ACTBL1) (POTE22)	545
P30542	AA1R_HUMAN	ADORA1	309	<a href="#">10455026</a>	HPRD	Adenosine receptor A1	ADORA1	326
P07550	ADRB2_HUMAN	ADRB2	341	<a href="#">2540197</a>	HPRD	Beta-2 adrenergic receptor (Beta-2 adrenoreceptor) (Beta-2 adrenoceptor)	ADRB2 (ADRB2R) (B2AR)	413
O43687	AKA7A_HUMAN	AKAP7	5/6	<a href="#">9545239</a>	Uniprot	A-kinase anchor protein 7 isoforms alpha and beta (Protein kinase A-anchoring protein 7 isoforms alpha/beta) (A-kinase anchor protein 18)	AKAP7 (AKAP18)	104
Q9H6X2	ANTR1_HUMAN	ANTXR1	347/481/521	<a href="#">16401723</a>	Manual	Anthrax toxin receptor 1 (Tumor endothelial marker 8)	ANTXR1 (ATR) (TEM8)	564
Q96B13	APH1A_HUMAN	APH1A	182/245	<a href="#">19028695</a>	Manual	Gamma-secretase subunit APH-1A	APH1A (PSF) (CGI-78) (UNQ579/PRO1141)	265
P02647	APOA1_HUMAN	APOA1	-	<a href="#">3005308</a>	Uniprot	Apolipoprotein A-I [Cleaved into: Apolipoprotein A-I(1-242)]	APOA1	267
P04114	APOB_HUMAN	APOB	1112	<a href="#">10679026</a>	HPRD/Uniprot	Apolipoprotein B-100 [Cleaved into: Apolipoprotein B-48]	APOB	4563
P10275	ANDR_HUMAN	AR	-	<a href="#">17535799</a>	Manual	Androgen receptor (Dihydrotestosterone receptor) (Nuclear receptor subfamily 3 group C member 4)	AR (DHTR) (NR3C4)	919
P07306	ASGR1_HUMAN	ASGR1	36	<a href="#">12171918</a>	HPRD/Uniprot	Asialoglycoprotein receptor 1 (ASGP-R 1) (ASGPR 1) (Hepatic lectin H1)	ASGR1	291
P07307	ASGR2_HUMAN	ASGR2	54	<a href="#">12171918</a>	HPRD/Uniprot	Asialoglycoprotein receptor 2 (ASGP-R 2) (ASGPR 2) (Hepatic lectin H2)	ASGR2	311
P30518	V2R_HUMAN	AVPR2	341/342	<a href="#">9224808</a>	HPRD/Uniprot	Vasopressin V2 receptor (AVPR V2) (Renal-type arginine vasopressin receptor) (Antidiuretic hormone receptor)	AVPR2 (ADHR) (DIR) (DIR3) (V2R)	371
P30411	BKRB2_HUMAN	BDKRB2	351	<a href="#">10085087</a>	HPRD	B2 bradykinin receptor (BK-2 receptor) (B2R)	BDKRB2 (BKR2)	391
Q03135	CAV1_HUMAN	CAV1	133/143/156	<a href="#">11451957</a>	HPRD	Caveolin-1	CAV1 (CAV)	178
P51681	CCR5_HUMAN	CCR5	321/323/324	<a href="#">11448957</a>	HPRD/Uniprot	C-C chemokine receptor type 5 (C-C CKR-5) (CC-CKR-5) (CCR-5) (CCR5) (HIV-1 fusion coreceptor) (CHEMR13) (CD195)	CCR5 (CMKBR5)	352
P48509	CD151_HUMAN	CD151	11/15/242/243	<a href="#">11907260</a>	HPRD/Uniprot	CD151 antigen (Platelet-endothelial tetraspan antigen 3) (PETA-3) (GP27) (Membrane glycoprotein SFA-1) (Tetraspanin-24) (Tspan-24) (CD151)	CD151 (TSPAN24)	253
P16671	CD36_HUMAN	CD36	3/7/464/466	<a href="#">8798390</a>	HPRD/Uniprot	Platelet glycoprotein 4 (Platelet glycoprotein IV) (GPIV) (Glycoprotein IIIb) (GPIIIB) (Leukocyte differentiation antigen CD36) (PAS IV) (PAS-4) (Platelet collagen receptor) (Fatty acid translocase) (FAT) (Thrombospondin receptor) (CD36)	CD36 (GP3B) (GP4)	472
P11049	CD37_HUMAN	CD37	-	<a href="#">11959120</a>	Manual	Leukocyte antigen CD37 (Tetraspanin-26) (Tspan-26) (CD antigen CD37)	CD37 (TSPAN26)	281
P01730	CD4_HUMAN	CD4	419/422	<a href="#">1618861</a>	HPRD/Uniprot	T-cell surface glycoprotein CD4 (T-cell surface antigen T4/Leu-3) (CD4)	CD4	458
P16070	CD44_HUMAN	CD44	286/295	<a href="#">16945930</a>	Manual	CD44 antigen (Phagocytic glycoprotein I) (PGP-1) (HUTCH-I) (Extracellular matrix receptor-III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (Hermes antigen) (Hyaluronate receptor) (Heparan sulfate proteoglycan) (Epican) (CDw44) (CD antigen CD44)	CD44 (LHR) (MDU2) (MDU3) (MIC4)	742
P19397	CD53_HUMAN	CD53	-	<a href="#">11959120</a>	Manual	Leukocyte surface antigen CD53 (Cell surface glycoprotein CD53) (Tetraspanin-25) (Tspan-25) (CD antigen CD53)	CD53	219
P08962	CD63_HUMAN	CD63	-	<a href="#">11959120</a>	Manual	CD63 antigen (Melanoma-associated antigen ME491) (Ocular melanoma-associated antigen) (OMA81H) (Granulophysin) (Tetraspanin-30) (Tspan-30) (Lysosomal-associated membrane protein 3) (Lamp-3) (CD antigen CD63)	CD63 (MLA1) (TSPAN30)	238
P09564	CD7_HUMAN	CD7	198	-	Uniprot	T-cell antigen CD7 (GP40) (T-cell leukemia antigen) (TP41) (Leu-9) (CD7)	CD7	240
P04233	HG2A_HUMAN	CD74	44 (isoform 2)	<a href="#">3866610</a>	HPRD	HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain) (Ia antigen-associated invariant chain) (Ii) (p33) (CD antigen CD74)	CD74 (DHLA)	296
P60033	CD81_HUMAN	CD81	-	<a href="#">11959120</a>	Manual	CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) (Tetraspanin-28) (Tspan-28) (CD antigen CD81)	CD81 (TAPA1) (TSPAN28)	236
P27701	CD82_HUMAN	CD82	5/74/83/251/253	<a href="#">15492270</a>	Manual	CD82 antigen (Inducible membrane protein R2) (C33 antigen) (IA4) (Metastasis suppressor Kangai 1) (Suppressor of tumorigenicity-6) (Tetraspanin-27) (Tspan-27) (CD antigen CD82)	CD82 (KAI1) (SAR2) (ST6) (TSPAN27)	267
P21926	CD9_HUMAN	CD9	9/78/79/87/218/219	<a href="#">11959120</a>	Uniprot	CD9 antigen (p24) (Leukocyte antigen MIC3) (Motility-related protein) (MRP-1) (Tetraspanin-29) (Tspan-29) (SH9 antigen) (Cell growth-inhibiting gene 2 protein) (CD9)	CD9 (MIC3) (TSPAN29) (GIG2)	228
Q9NRR3	C42S2_HUMAN	CDC42SE2	10/11	<a href="#">15840583</a>	Uniprot	CDC42 small effector protein 2 (Small effector of CDC42 protein 2)	CDC42SE2 (SPEC2)	84
Q9UKJ5	CHIC2_HUMAN	CHIC2	88/90/92/93/94/95	<a href="#">11257495</a>	HPRD	Cysteine-rich hydrophobic domain 2 protein (BrX-like translocated in leukemia)	CHIC2 (BTL)	165

Accession	Entry name	Gene symbol	Palmitoylation sites	PMID	Status	Protein names	Genes	Length
P08172	ACM2_HUMAN	CHRM2	457	<a href="#">9143344</a>	Manual	Muscarinic acetylcholine receptor M2	CHRM2	466
Q07065	CKAP4_HUMAN	CKAP4	100	<a href="#">18296695</a>	Uniprot	Cytoskeleton-associated protein 4 (63 kDa membrane protein) (p63)	CKAP4	602
O95500	CLD14_HUMAN	CLDN14	104/107/182/185	<a href="#">15769849</a>	Manual	Claudin-14	CLDN14 (UNQ777/PRO1571)	239
O75976	CBPD_HUMAN	CPD	1317/1321/1323	<a href="#">12643288</a>	Uniprot	Carboxypeptidase D (3.4.17.22) (Metalloprotease D) (gp180)	CPD	1380
P78310	CXAR_HUMAN	CXADR	259/260	<a href="#">12021372</a>	HPRD	Coxsackievirus and adenovirus receptor (Coxsackievirus B-adenovirus receptor) (HCVADR) (hCAR) (CVB3-binding protein)	CXADR (CAR)	365
Q15700	DLG2_HUMAN	DLG2	5/7	<a href="#">10197530</a>	HPRD	Disks large homolog 2 (Postsynaptic density protein PSD-93) (Channel-associated protein of synapse-110) (Chapsyn-110)	DLG2	870
P21728	DRD1_HUMAN	DRD1	347/351	<a href="#">10618483</a>	HPRD/Uniprot	D(1A) dopamine receptor	DRD1	446
P42892	ECE1_HUMAN	ECE1	46(ECE-1a)/58(ECE-1b)/42(ECE-1c)	<a href="#">10359648</a>	Manual	Endothelin-converting enzyme 1 (ECE-1) (EC 3.4.24.71) (3.4.24.71)	ECE1	770
P24530	EDNRB_HUMAN	EDNRB	400/402/403/405	<a href="#">14636059</a>	HPRD/Uniprot	Endothelin B receptor (ET-B) (Endothelin receptor Non-selective type)	EDNRB (ETRB)	442
P49961	ENTP1_HUMAN	ENTPD1	13	<a href="#">10636909</a>	Manual	Ectonucleoside triphosphate diphosphohydrolase 1 (NTPDase 1) (3.6.1.5) (Ecto-ATP diphosphohydrolase) (ATPDase) (Lymphoid cell activation antigen) (Ecto-apyrase) (CD39)	ENTPD1 (CD39)	510
P16452	EPB42_HUMAN	EPB42	203	<a href="#">10333496</a>	HPRD	Erythrocyte membrane protein band 4.2 (Erythrocyte protein 4.2) (P4.2)	EPB42 (E42P)	691
Q96RT1	LAP2_HUMAN	ERBB2IP	14/16	<a href="#">18498353</a>	Manual	Protein LAP2 (ErbB2-interacting protein) (Erbin) (Densin-180-like protein)	ERBB2IP (ERBIN) (KIAA1225) (LAP2)	1412
P03372	ESR1_HUMAN	ESR1	447	<a href="#">15033483</a>	Manual	Estrogen receptor (ER) (Estradiol receptor) (ER-alpha) (Nuclear receptor subfamily 3 group A member 1)	ESR1 (ESR) (NR3A1)	595
P13726	TF_HUMAN	F3	277	<a href="#">3166978</a>	HPRD/Uniprot	Tissue factor (TF) (Coagulation factor III) (Thromboplastin) (CD142)	F3	295
P25445	TNR6_HUMAN	FAS	199	<a href="#">17159908</a>	Manual	Tumor necrosis factor receptor superfamily member 6 (FASLG receptor) (Apoptosis-mediating surface antigen FAS) (Apo-1 antigen) (CD antigen CD95)	FAS (APT1) (FAS1) (TNFRSF6)	335
P12318	FCG2A_HUMAN	FCGR2A	241	<a href="#">16375976</a>	Manual	Low affinity immunoglobulin gamma Fc region receptor II-a (IgG Fc receptor II-a) (Fc-gamma RII-a) (Fc-gamma-RIIa) (FcRII-a) (CDw32) (CD antigen CD32)	FCGR2A (CD32) (FCG2) (FCGR2A1) (IGFR2)	317
P06241	FYN_HUMAN	FYN	3/6	<a href="#">9060467</a>	HPRD	Proto-oncogene tyrosine-protein kinase Fyn (2.7.10.2) (p59-Fyn) (Protooncogene Syn) (SLK)	FYN	537
Q05329	DCE2_HUMAN	GAD2	30/45	<a href="#">12356867</a>	Uniprot	Glutamate decarboxylase 2 (4.1.1.15) (Glutamate decarboxylase 65 kDa isoform) (65 kDa glutamic acid decarboxylase) (GAD-65)	GAD2 (GAD65)	585
P17677	NEUM_HUMAN	GAP43	3/4	<a href="#">9774477</a>	HPRD/Uniprot	Neuromodulin (Axonal membrane protein GAP-43) (Growth-associated protein 43) (PP46) (Neural phosphoprotein B-50)	GAP43	238
P29992	GNA11_HUMAN	GNA11	9/10	<a href="#">9175863</a>	HPRD	Guanine nucleotide-binding protein subunit alpha-11	GNA11 (GA11)	359
Q03113	GNA12_HUMAN	GNA12	11	<a href="#">9485474</a>	HPRD	Guanine nucleotide-binding protein alpha-12 subunit (G alpha-12)	GNA12	381
Q14344	GNA13_HUMAN	GNA13	14/18/37	<a href="#">10747909</a>	HPRD/Uniprot	Guanine nucleotide-binding protein alpha-13 subunit	GNA13	377
P50148	GNAQ_HUMAN	GNAQ	3/4	<a href="#">8227063</a>	HPRD	Guanine nucleotide-binding protein G(q) subunit alpha (Guanine nucleotide-binding protein alpha-q)	GNAQ (GAQ)	353
P19086	GNAZ_HUMAN	GNAZ	3	<a href="#">8475115</a>	HPRD	Guanine nucleotide-binding protein G(z) subunit alpha (G(z) alpha chain) (Gz-alpha)	GNAZ	355
Q7Z5G4	GOGA7_HUMAN	GOLGA7	69/72	<a href="#">14522980</a>	HPRD/Uniprot	Golgin subfamily A member 7 (Golgi complex-associated protein of 16 kDa)	GOLGA7 (GCP16) (HDCKB03P) (HSPC041)	137
Q9H8Y8	GORS2_HUMAN	GORASP2	-	<a href="#">11101516</a>	Uniprot	Golgi reassembly-stacking protein 2 (GRS2) (Golgi reassembly-stacking protein of 55 kDa) (GRASP55) (p59) (Golgi phosphoprotein 6) (GOLPH6)	GORASP2	452
Q99795	GPA33_HUMAN	GPA33	-	<a href="#">9245713</a>	Uniprot	Cell surface A33 antigen (Glycoprotein A33)	GPA33	319
Q13002	GRIK2_HUMAN	GRIK2	858/871	<a href="#">8618850</a>	HPRD	Glutamate receptor, ionotropic kainate 2 (Glutamate receptor 6) (GluR-6) (GluR6) (Excitatory amino acid receptor 4) (EAA4)	GRIK2 (GLUR6)	908
P43250	GRK6_HUMAN	GRK6	561/562/565	<a href="#">7961702</a>	HPRD	G protein-coupled receptor kinase 6 (2.7.11.16) (G protein-coupled receptor kinase GRK6)	GRK6 (GPRK6)	576
P01889	1B07_HUMAN	HLA-B	332/349	<a href="#">17785801</a>	Manual	HLA class I histocompatibility antigen, B-7 alpha chain (MHC class I antigen B*7)	HLA-B	362
Q29963	1C06_HUMAN	HLA-C	-	<a href="#">17785801</a>	Manual	HLA class I histocompatibility antigen, Cw-6 alpha chain (MHC class I antigen Cw*6)	HLA-C (HLAC)	366
P01112	RASH_HUMAN	HRAS	181/184	<a href="#">10504264</a>	HPRD/Uniprot	GTPase HRas (Transforming protein p21) (p21ras) (H-Ras-1) (c-H-ras) (Ha-Ras)	HRAS (HRAS1)	189
P16144	ITB4_HUMAN	ITGB4	cysteine-rich domain	<a href="#">14517202</a>	Manual	Integrin beta-4 (GP150) (CD antigen CD104)	ITGB4	1822
Q09470	KCNA1_HUMAN	KCNA1	243	<a href="#">15837928</a>	Uniprot	Potassium voltage-gated channel subfamily A member 1 (Voltage-gated potassium channel subunit Kv1.1) (HUK1) (HBK1)	KCNA1	495
Q9Y2W7	CSEN_HUMAN	KCNIP3	45/46	<a href="#">12006572</a>	HPRD	Calsenilin (Kv channel-interacting protein 3) (KChIP3) (A-type potassium channel modulatory protein 3) (DRE-antagonist modulator) (DREAM)	KCNIP3 (CSEN) (DREAM) (KCHIP3)	256
P01116	RASK_HUMAN	KRAS	180	<a href="#">3023817</a>	Uniprot	GTPase KRas (K-Ras 2) (Ki-Ras) (c-K-ras) (c-Ki-ras)	KRAS (KRAS2) (RASK2)	189

Accession	Entry name	Gene symbol	Palmitoylation sites	PMID	Status	Protein names	Genes	Length
O43561	LAT_HUMAN	LAT	26/29	<a href="#">9729044</a>	HPRD/Uniprot	Linker for activation of T-cells family member 1 (36 kDa phospho-tyrosine adapter protein) (pp36) (p36-38)	LAT	262
P06239	LCK_HUMAN	LCK	3/5	<a href="#">9092949</a>	HPRD	Proto-oncogene tyrosine-protein kinase LCK (2.7.10.2) (Lymphocyte cell-specific protein-tyrosine kinase) (p56-LCK) (LSK) (T cell-specific protein-tyrosine kinase)	LCK	509
P22888	LSHR_HUMAN	LHCGR	643/644	<a href="#">15539429</a>	Uniprot	Lutropin-choriogonadotropic hormone receptor (LH/CG-R) (LSH-R) (Luteinizing hormone receptor) (LHR)	LHCGR (LCGR) (LGR2) (LHRHR)	699
O75581	LRP6_HUMAN	LRP6	1394/1399	<a href="#">18378904</a>	Manual	Low-density lipoprotein receptor-related protein 6	LRP6	1613
P07948	LYN_HUMAN	LYN	3	<a href="#">10669752</a>	Manual	Tyrosine-protein kinase Lyn (EC 2.7.10.2) (2.7.10.2)	LYN	512
Q9H9H5	MAP6D1_HUMAN	MAP6D1	5/10/11	<a href="#">16837464</a>	Uniprot	MAP6 domain-containing protein 1 (21 kDa STOP-like protein) (SL21)	MAP6D1	199
P30301	MIP_HUMAN	MIP	88	<a href="#">2335219</a>	HPRD	Lens fiber major intrinsic protein (Aquaporin-0) (MIP26) (MP26)	MIP (AQP0)	263
P50281	MMP14_HUMAN	MMP14	574	<a href="#">15946988</a>	Manual	Matrix metalloproteinase-14 (MMP-14) (EC 3.4.24.80) (3.4.24.80) (Membrane-type matrix metalloproteinase 1) (MT-MMP 1) (MTMMP1) (Membrane-type-1 matrix metalloproteinase) (MT1-MMP) (MT1MMP) (MMP-X1)	MMP14	582
Q00013	EM55_HUMAN	MPP1	-	<a href="#">1713685</a>	Uniprot	55 kDa erythrocyte membrane protein (p55) (Membrane protein, palmitoylated 1)	MPP1 (DXS552E) (EMP55)	466
P15941	MUC1_HUMAN	MUC1	1184/1186	<a href="#">16507569</a>	Uniprot	Mucin-1 (MUC-1) (Polymorphic epithelial mucin) (PEM) (PEMT) (Episialin) (Tumor-associated mucin) (Carcinoma-associated mucin) (Tumor-associated epithelial membrane antigen) (EMA) (H23AG) (Peanut-reactive urinary mucin) (PUM) (Breast carcinoma-associated antigen DF3) (CD227) [Cleaved into: Mucin-1 subunit alpha; Mucin-1 subunit beta (MUC1-beta) (MUC1-CT)]	MUC1 (PUM)	1255
O35116	NICA_HUMAN	NCSTN	689	<a href="#">19028695</a>	Manual	Nicastrin	NCSTN (KIAA0253) (UNQ1874/PRO4317)	709
P29474	NOS3_HUMAN	NOS3	15/26	<a href="#">9111020</a>	HPRD	Nitric oxide synthase, endothelial (1.14.13.39) (Endothelial NOS) (eNOS) (EC-NOS) (NOS type III) (NOSIII) (Constitutive NOS) (cNOS)	NOS3	1203
P01111	RASN_HUMAN	NRAS	181	<a href="#">2661017</a>	Uniprot	GTPase NRas (Transforming protein N-Ras)	NRAS (HRAS1)	189
Q16549	PCSK7_HUMAN	PCSK7	699/704	<a href="#">11104692</a>	HPRD	Proprotein convertase subtilisin/kexin type 7 (3.4.21.-) (Proprotein convertase PC7) (Subtilisin/kexin-like protease PC7) (Prohormone convertase PC7) (hPC8) (PC8) (Lymphoma proprotein convertase)	PCSK7 (LPC) (PC7) (PC8) (SPC7)	785
P16284	PECA1_HUMAN	PECAM1	622	<a href="#">17139370</a>	Manual	Platelet endothelial cell adhesion molecule (PECAM-1) (EndoCAM) (GPIIA) (CD antigen CD31)	PECAM1	738
P06401	PRGR_HUMAN	PGR	-	<a href="#">17535799</a>	Manual	Progesterone receptor (PR) (Nuclear receptor subfamily 3 group C member 3)	PGR (NR3C3)	933
Q8TCG2	P4K2B_HUMAN	PI4K2B	cysteine-rich domain	<a href="#">17927563</a>	Manual	Phosphatidylinositol 4-kinase type 2-beta (EC 2.7.1.67) (2.7.1.67) (Phosphatidylinositol 4-kinase type II-beta)	PI4K2B	481
O15162	PLS1_HUMAN	PLSCR1	cysteine-rich sequence (184-189)	<a href="#">12564925</a>	Manual	Phospholipid scramblase 1 (PL scramblase 1) (Ca(2+)-dependent phospholipid scramblase 1) (Erythrocyte phospholipid scramblase) (MmTRA1b)	PLSCR1	318
A5A3E0	A26CB_HUMAN	POTEF	cysteine-rich domain	<a href="#">17904529</a>	Manual	ANKRD26-like family C member 1B (Chimeric POTE-actin protein)	A26C1B	1075
P11801	KPSH1_HUMAN	PSKH1	3	<a href="#">14644153</a>	Uniprot	Serine/threonine-protein kinase H1 (2.7.11.1) (PSK-H1)	PSKH1	424
P43119	PI2R_HUMAN	PTGIR	308/311	<a href="#">12488443</a>	HPRD/Uniprot	Prostacyclin receptor (Prostanoid IP receptor) (PGI receptor) (Prostaglandin I2 receptor)	PTGIR (PRIPR)	386
P61225	RAP2B_HUMAN	RAP2B	176/177	<a href="#">18582561</a>	Manual	Ras-related protein Rap-2b	RAP2B	183
Q7LDG7	GRP2_HUMAN	RASGRP2	7 (isoform 2)	<a href="#">10918068</a>	HPRD	RAS guanyl-releasing protein 2 (Calcium and DAG-regulated guanine nucleotide exchange factor 1) (CalDAG-GEF1) (F25B3.3 kinase-like protein) (Cdc25-like protein) (HCDC25L)	RASGRP2 (CDC25L) (MCG7)	609
Q14699	RFTN1_HUMAN	RFTN1	3	<a href="#">12805216</a>	HPRD	Raftlin (Raft-linking protein) (Cell migration-inducing gene 2 protein)	RFTN1 (KIAA0084) (MIG2)	578
O43665	RGS10_HUMAN	RGS10	66	<a href="#">10608901</a>	HPRD/Uniprot	Regulator of G-protein signaling 10	RGS10	173
O15492	RGS16_HUMAN	RGS16	2/12/98	<a href="#">10373502</a>	HPRD	Regulator of G-protein signaling 16 (RGS16) (Retinally abundant regulator of G-protein signaling) (RGS-R) (A28-RGS14P)	RGS16 (RGSR)	202
P49795	RGS19_HUMAN	RGS19	-	<a href="#">8986788</a>	Uniprot	Regulator of G-protein signaling 19 (RGS19) (G-alpha-interacting protein) (GAIP)	RGS19 (GAIP) (GNAI3IP)	217
P49798	RGS4_HUMAN	RGS4	2/12/95	<a href="#">9576926</a>	HPRD/Uniprot	Regulator of G-protein signaling 4	RGS4	205
P08100	OPSD_HUMAN	RHO	322/323	<a href="#">3350146</a>	HPRD	Rhodopsin (Opsin-2)	RHO (OPN2)	348
P62745	RHOB_HUMAN	RHOB	189/192	<a href="#">1400319</a>	HPRD/Uniprot	Rho-related GTP-binding protein RhoB (H6)	RHOB (ARH6) (ARHB)	196
Q7L0Q8	RHOU_HUMAN	RHOU	256	<a href="#">16046391</a>	Uniprot	Rho-related GTP-binding protein RhoU (Wnt-1 responsive Cdc42 homolog 1) (WRCH-1) (Ryu GTPase) (CDC42-like GTPase 1) (Rho GTPase-like protein ARHU) (GTP-binding protein-like 1)	RHOU (ARHU) (CDC42L1) (G28K) (WRCH1) (SB128)	258
O75695	XRP2_HUMAN	RP2	3	<a href="#">10942419</a>	HPRD	Protein XRP2	RP2	350
P10301	RRAS_HUMAN	RRAS	213	<a href="#">12890755</a>	Manual	Ras-related protein R-Ras (p23)	RRAS	218
P16109	LYAM3_HUMAN	SELP	807	<a href="#">7684381</a>	Uniprot	P-selectin (Granule membrane protein 140) (GMP-140) (PADGEM) (Leukocyte-endothelial cell adhesion molecule 3) (LECAM3) (CD62 antigen-like family member P) (CD62P)	SELP (GMRP) (GRMP)	830

Accession	Entry name	Gene symbol	Palmitoylation sites	PMID	Status	Protein names	Genes	Length
P11686	PSPC_HUMAN	SFTPC	28/29	<a href="#">11802797</a>	HPRD/Uniprot	Pulmonary surfactant-associated protein C (SP-C) (SP5) (Pulmonary surfactant-associated proteolipid SPL(Val))	SFTPC (SFTP2)	197
P02730	B3AT_HUMAN	SLC4A1	843	<a href="#">1885574</a>	Uniprot	Band 3 anion transport protein (Anion exchange protein 1) (AE 1) (Solute carrier family 4 member 1) (CD233)	SLC4A1 (AE1) (DI) (EPB3)	911
Q8NHU3	SMS2_HUMAN	SGMS2	331/332/343/348	<a href="#">19233134</a>	Manual	Phosphatidylcholine:ceramide cholinephosphotransferase 2	SGMS2 (SMS2)	365
O00161	SNP23_HUMAN	SNAP23	80/83/85/87	<a href="#">12551899</a>	HPRD	Synaptosomal-associated protein 23 (SNAP-23) (Vesicle-membrane fusion protein SNAP-23)	SNAP23	211
P60880	SNP25_HUMAN	SNAP25	85/88/90/92	<a href="#">9349529</a>	HPRD	Synaptosomal-associated protein 25 (SNAP-25) (Synaptosomal-associated 25 kDa protein) (Super protein) (SUP)	SNAP25 (SNAP)	206
O75716	STK16_HUMAN	STK16	6/8	<a href="#">10364453</a>	HPRD	Serine/threonine-protein kinase 16 (2.7.11.1) (Protein kinase PKL12) (Myristoylated and palmitoylated serine/threonine-protein kinase) (MPSK) (TGF-beta-stimulated factor 1) (TSF-1) (hPSK)	STK16 (MPSK1) (PKL12) (TSF1)	305
Q93045	STMN2_HUMAN	STMN2	22/24	<a href="#">9030585</a>	HPRD	Stathmin-2 (Superior cervical ganglion-10 protein) (Protein SCG10)	STMN2 (SCG10) (SCGN10)	179
P27105	STOM_HUMAN	STOM	30/87	<a href="#">10338112</a>	HPRD/Uniprot	Erythrocyte band 7 integral membrane protein (Stomatin) (Protein 7.2b)	STOM (BND7) (EPB72)	288
Q92542	STX7_HUMAN	STX7	239	<a href="#">18980942</a>	Manual	Syntaxin-7	STX7	261
O15400	STX8_HUMAN	STX8	C214	<a href="#">18980942</a>	Manual	Syntaxin-8	STX8	236
P02786	TFR1_HUMAN	TFRC	62/67	<a href="#">2398066</a>	HPRD/Uniprot	Transferrin receptor protein 1 (TfR1) (TfR) (TR) (Trfr) (T9) (p90) (CD71) [Cleaved into: Transferrin receptor protein 1, serum form]	TFRC	760
P01135	TGFA_HUMAN	TGFA	153/154	<a href="#">8910478</a>	HPRD/Uniprot	Protransforming growth factor alpha [Cleaved into: Transforming growth factor alpha (TGF-alpha) (EGF-like TGF) (ETGF) (TGF type 1)]	TGFA	160
P01375	TNFA_HUMAN	TNF	47	<a href="#">11434916</a>	Manual	Tumor necrosis factor, membrane form	TNF (TNFA) (TNFSF2)	233
Q9UNK0	TR10A_HUMAN	TNFRSF10A	261CCC263	<a href="#">19090789</a>	Manual	Tumor necrosis factor receptor superfamily member 10A (Death receptor 4)	TNFRSF10A (APO2) (DR4) (TRAILR1)	468
O43617	TPPC3_HUMAN	TRAPPC3	68	<a href="#">15692564</a>	Uniprot	Trafficking protein particle complex subunit 3 (BET3 homolog)	TRAPPC3 (BET3) (CDABP0066)	180
O15498	YKT6_HUMAN	YKT6	194	<a href="#">15479160</a>	Uniprot	Synaptobrevin homolog YKT6	YKT6	198

**Note 1.** HPRD means that the S-acylated proteins are included in the Human Protein Reference Database ([www.hprd.org](http://www.hprd.org)). Uniprot means that the S-acylated proteins are included in the Uniprot database and the organism is Homo Sapiens. Manual means that the knowledge about the S-acylated proteins are manually retrieved from PubMed. PMID means PubMed identifiers (see the 6th column).

**Table S9. Potential human S-acylated proteins and S-acylation sites annotated in the Uniprot database.**

Accession	Entry name	Gene symbol	Site	Evidence	Protein names	Genes	Length
P29275	AA2BR_HUMAN	ADORA2B	311	potential	Adenosine receptor A2b	ADORA2B	332
P33765	AA3R_HUMAN	ADORA3	303	potential	Adenosine A3 receptor	ADORA3 (UNQ1931/PRO4406)	318
P35348	ADA1A_HUMAN	ADRA1A	345	potential	Alpha-1A adrenergic receptor (Alpha 1A-adrenoreceptor) (Alpha 1A-adrenoceptor) (Alpha-1C adrenergic receptor) (Alpha-adrenergic receptor 1c)	ADRA1A (ADRA1C)	466
P35368	ADA1B_HUMAN	ADRA1B	365	potential	Alpha-1B adrenergic receptor (Alpha 1B-adrenoreceptor) (Alpha 1B-adrenoceptor)	ADRA1B	520
P25100	ADA1D_HUMAN	ADRA1D	419	potential	Alpha-1D adrenergic receptor (Alpha 1D-adrenoreceptor) (Alpha 1D-adrenoceptor) (Alpha-1A adrenergic receptor) (Alpha-adrenergic receptor 1a)	ADRA1D (ADRA1A)	572
P08913	ADA2A_HUMAN	ADRA2A	442	by similarity	Alpha-2A adrenergic receptor (Alpha-2A adrenoreceptor) (Alpha-2A adrenoceptor) (Alpha-2AAR) (Alpha-2 adrenergic receptor subtype C10)	ADRA2A (ADRA2R) (ADRAR)	450
P18089	ADA2B_HUMAN	ADRA2B	442	potential	Alpha-2B adrenergic receptor (Alpha-2B adrenoreceptor) (Alpha-2B adrenoceptor) (Alpha-2 adrenergic receptor subtype C2)	ADRA2B (ADRA2L1) (ADRA2RL1)	450
P08588	ADRB1_HUMAN	ADRB1	392	by similarity	Beta-1 adrenergic receptor (Beta-1 adrenoreceptor) (Beta-1 adrenoceptor)	ADRB1 (ADRB1R) (B1AR)	477
P13945	ADRB3_HUMAN	ADRB3	361	by similarity	Beta-3 adrenergic receptor (Beta-3 adrenoreceptor) (Beta-3 adrenoceptor)	ADRB3 (ADRB3R) (B3AR)	408
P30556	AGTR1_HUMAN	AGTR1	355	potential	Type-1 angiotensin II receptor (AT1) (AT1AR) (AT1BR)	AGTR1 (AGTR1A) (AGTR1B) (AT2R1) (AT2R1B)	359
P37288	V1AR_HUMAN	AVPR1A	365/366	by similarity	Vasopressin V1a receptor (V1aR) (Vascular/hepatic-type arginine vasopressin receptor) (Antidiuretic hormone receptor 1a) (AVPR V1a)	AVPR1A (AVPR1)	418
Q8WX53	BAALC_HUMAN	BAALC	3	by similarity	Brain and acute leukemia cytoplasmic protein	BAALC	180
P46663	BKRB1_HUMAN	BDKRB1	330	potential	B1 bradykinin receptor (BK-1 receptor) (B1R)	BDKRB1 (BRADYB1)	353
Q5T215	TPC3L_HUMAN	BET3L	68	by similarity	Trafficking protein particle complex subunit 3-like protein (TRAPPC3-like protein) (BET3-like protein)	BET3L	181
P32247	BRS3_HUMAN	BRS3	347	by similarity	Bombesin receptor subtype-3	BRS3	399
P32238	CCKAR_HUMAN	CCKAR	387	by similarity	Cholecystokinin receptor type A (CCK-A receptor) (CCK-AR) (Cholecystokinin-1 receptor) (CCK1-R)	CCKAR (CCKRA)	428
P32239	GASR_HUMAN	CCKBR	408	by similarity	Gastrin/cholecystokinin type B receptor (CCK-B receptor) (CCK-BR) (Cholecystokinin-2 receptor) (CCK2-R)	CCKBR (CCKRB)	447
Q9NRR8	C42S1_HUMAN	CDC42SE1	10/11	probable	CDC42 small effector protein 1 (Small effector of CDC42 protein 1) (CDC42-binding protein SCIP1)	CDC42SE1 (SPEC1)	79
Q5VXU3	CHIC1_HUMAN	CHIC1	–	by similarity	Cysteine-rich hydrophobic domain 1 protein (Brain X-linked protein)	CHIC1 (BRX)	224
P78352	DLG4_HUMAN	DLG4	3/5	by similarity	Disks large homolog 4 (Postsynaptic density protein 95) (PSD-95) (Synapse-associated protein 90) (SAP90)	DLG4 (PSD95)	724
Q9H3Z4	DNJC5_HUMAN	DNAJC5	118-128 poly-Cys	by similarity	DnaJ homolog subfamily C member 5 (Cysteine string protein) (CSP)	DNAJC5 (CSP)	198
Q9UF47	DNJ5B_HUMAN	DNAJC5B	126-137 poly-Cys	by similarity	DnaJ homolog subfamily C member 5B (Beta cysteine string protein) (Beta-CSP)	DNAJC5B	199
Q8N7S2	DNJ5G_HUMAN	DNAJC5G	136-146 poly-Cys	by similarity	DnaJ homolog subfamily C member 5G (Gamma-cysteine string protein) (Gamma-CSP)	DNAJC5G	189
P21918	DRD5_HUMAN	DRD5	375	by similarity	D(1B) dopamine receptor (D1beta dopamine receptor) (D(5) dopamine receptor)	DRD5 (DRD1B) (DRD1L2)	477
P21453	S1PR1_HUMAN	EDG1	327	by similarity	Sphingosine 1-phosphate receptor 1 (S1P receptor 1) (S1P1) (Sphingosine 1-phosphate receptor Edg-1) (S1P receptor Edg-1) (Endothelial differentiation G-protein coupled receptor 1)	S1PR1 (EDG1)	381
Q92633	LPAR1_HUMAN	EDG2	327	by similarity	Lysophosphatidic acid receptor 1 (LPA receptor 1) (LPA-1) (Lysophosphatidic acid receptor Edg-2)	LPAR1 (EDG2) (LPA1)	364
Q9HBW0	LPAR2_HUMAN	EDG4	311	by similarity	Lysophosphatidic acid receptor 2 (LPA receptor 2) (LPA-2) (Lysophosphatidic acid receptor Edg-4)	LPAR2 (EDG4) (LPA2)	351
O95136	S1PR2_HUMAN	EDG5	305	by similarity	Sphingosine 1-phosphate receptor 2 (S1P receptor 2) (S1P2) (Sphingosine 1-phosphate receptor Edg-5) (S1P receptor Edg-5) (Endothelial differentiation G-protein coupled receptor 5)	S1PR2 (EDG5)	353
O95977	S1PR4_HUMAN	EDG6	323	by similarity	Sphingosine 1-phosphate receptor 4 (S1P receptor 4) (S1P4) (Sphingosine 1-phosphate receptor Edg-6) (S1P receptor Edg-6) (Endothelial differentiation G-protein coupled receptor 6)	S1PR4 (EDG6)	384
Q9UBY5	LPAR3_HUMAN	EDG7	309	by similarity	Lysophosphatidic acid receptor 3 (LPA receptor 3) (LPA-3) (Lysophosphatidic acid receptor Edg-7)	LPAR3 (EDG7) (LPA3)	353
Q9H228	S1PR5_HUMAN	EDG8	323	by similarity	Sphingosine 1-phosphate receptor 5 (S1P receptor 5) (S1P5) (Sphingosine 1-phosphate receptor Edg-8) (S1P receptor Edg-8) (Endothelial differentiation G-protein-coupled receptor 8)	S1PR5 (EDG8)	398
Q7Z444	RASE_HUMAN	ERAS	226/228	by similarity	GTPase ERas (E-Ras) (Embryonic stem cell-expressed Ras)	ERAS (HRAS2) (HRASP)	233
Q8N1C3	GBRG1_HUMAN	GABRG1	–	by similarity	Gamma-aminobutyric acid receptor subunit gamma-1 (GABA(A) receptor subunit gamma-1)	GABRG1	465
P18507	GBRG2_HUMAN	GABRG2	–	by similarity	Gamma-aminobutyric acid receptor subunit gamma-2 (GABA(A) receptor subunit gamma-2)	GABRG2	467
Q99928	GBRG3_HUMAN	GABRG3	–	by similarity	Gamma-aminobutyric acid receptor subunit gamma-3 (GABA(A) receptor subunit gamma-3)	GABRG3	467
P47211	GALR1_HUMAN	GALR1	320	by similarity	Galanin receptor type 1 (GAL1-R) (GALR1)	GALR1 (GALNR) (GALNR1)	349
O60755	GALR3_HUMAN	GALR3	308	by similarity	Galanin receptor type 3 (GAL3-R) (GALR3)	GALR3 (GALNR3)	368

Accession	Entry name	Gene symbol	Site	Evidence	Protein names	Genes	Length
P63096	GNAI1_HUMAN	GNAI1	3	by similarity	Guanine nucleotide-binding protein G(i), alpha-1 subunit (Adenylylate cyclase-inhibiting G alpha protein)	GNAI1	354
P04899	GNAI2_HUMAN	GNAI2	3	by similarity	Guanine nucleotide-binding protein G(i), alpha-2 subunit (Adenylylate cyclase-inhibiting G alpha protein)	GNAI2 (GNAI2B)	355
P08754	GNAI3_HUMAN	GNAI3	3	by similarity	Guanine nucleotide-binding protein G(k) subunit alpha (G(i) alpha-3)	GNAI3	354
P38405	GNAL_HUMAN	GNAL	3	by similarity	Guanine nucleotide-binding protein G(olf) subunit alpha (Adenylylate cyclase-stimulating G alpha protein, olfactory type)	GNAL	381
P09471	GNAO_HUMAN	GNAO1	3	by similarity	Guanine nucleotide-binding protein G(o) subunit alpha	GNAO1	354
P63092	GNAS2_HUMAN	GNAS	3	by similarity	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short (Adenylylate cyclase-stimulating G alpha protein)	GNAS (GNAS1) (GSP)	394
Q2TAP0	GOG7B_HUMAN	GOLGA7B	78/81	by similarity	Golgin subfamily A member 7B	GOLGA7B (C10orf132) (C10orf133)	167
P47775	GPR12_HUMAN	GPR12	317	by similarity	Probable G-protein coupled receptor 12	GPR12	334
P46089	GPR3_HUMAN	GPR3	313	by similarity	Probable G-protein coupled receptor 3 (ACCA orphan receptor)	GPR3 (ACCA)	330
P46095	GPR6_HUMAN	GPR6	345	by similarity	Sphingosine 1-phosphate receptor GPR6 (G-protein coupled receptor 6)	GPR6	362
Q7Z2K8	GRIN1_HUMAN	GPRIN1	999/1000	by similarity	G protein-regulated inducer of neurite outgrowth 1	GPRIN1 (KIAA1893)	1008
P42261	GRIA1_HUMAN	GRIA1	603/829	by similarity	Glutamate receptor 1 (GluR-1) (GluR-A) (GluR-K1) (Glutamate receptor ionotropic, AMPA 1) (AMPA-selective glutamate receptor 1)	GRIA1 (GLUH1) (GLUR1)	906
P42262	GRIA2_HUMAN	GRIA2	610/836	by similarity	Glutamate receptor 2 (GluR-2) (GluR-B) (GluR-K2) (Glutamate receptor ionotropic, AMPA 2) (AMPA-selective glutamate receptor 2)	GRIA2 (GLUR2)	883
P42263	GRIA3_HUMAN	GRIA3	621/847	by similarity	Glutamate receptor 3 (GluR-3) (GluR-C) (GluR-K3) (Glutamate receptor ionotropic, AMPA 3) (AMPA-selective glutamate receptor 3)	GRIA3 (GLUR3) (GLURC)	894
P48058	GRIA4_HUMAN	GRIA4	611/837	by similarity	Glutamate receptor 4 (GluR-4) (GluR4) (GluR-D) (Glutamate receptor ionotropic, AMPA 4) (AMPA-selective glutamate receptor 4)	GRIA4 (GLUR4)	902
P30550	GRPR_HUMAN	GRPR	339	by similarity	Gastrin-releasing peptide receptor (GRP-R) (GRP-preferring bombesin receptor)	GRPR	384
P08631	HCK_HUMAN	HCK	3	by similarity	Tyrosine-protein kinase HCK (2.7.10.2) (Hemopoietic cell kinase) (p59-HCK/p60-HCK)	HCK	526
P35367	HRH1_HUMAN	HRH1	445	potential	Histamine H1 receptor	HRH1	487
P25021	HRH2_HUMAN	HRH2	305	by similarity	Histamine H2 receptor (H2R) (Gastric receptor 1)	HRH2	359
Q9H3N8	HRH4_HUMAN	HRH4	374	potential	Histamine H4 receptor (HH4R) (G-protein coupled receptor 105) (GPRv53) (SP9144) (AXOR35) (Pfi-013)	HRH4 (GPCR105)	390
P28222	5HT1B_HUMAN	HTR1B	388	potential	5-hydroxytryptamine receptor 1B (5-HT-1D-beta) (5-HT-1B) (5-HT1B) (Serotonin receptor 1B) (Serotonin 1D beta receptor) (S12)	HTR1B (HTR1DB)	390
P41595	5HT2B_HUMAN	HTR2B	397	potential	5-hydroxytryptamine receptor 2B (5-HT-2B) (Serotonin receptor 2B)	HTR2B	481
Q13639	5HT4R_HUMAN	HTR4	329	by similarity	5-hydroxytryptamine receptor 4 (5-HT-4) (5-HT4) (Serotonin receptor 4)	HTR4	388
P34969	5HT7R_HUMAN	HTR7	401	potential	5-hydroxytryptamine receptor 7 (5-HT-7) (5HT7) (5-HT-X) (Serotonin receptor 7)	HTR7	479
Q16322	KCA10_HUMAN	KCNA10	293	potential	Potassium voltage-gated channel subfamily A member 10 (Voltage-gated potassium channel subunit Kv1.8)	KCNA10	511
P16389	KCNA2_HUMAN	KCNA2	244	potential	Potassium voltage-gated channel subfamily A member 2 (Voltage-gated potassium channel subunit Kv1.2) (HBK5) (NGK1) (HUKIV)	KCNA2	499
P22001	KCNA3_HUMAN	KCNA3	265	potential	Potassium voltage-gated channel subfamily A member 3 (Voltage-gated potassium channel subunit Kv1.3) (HPCN3) (HGK5) (HuKIII) (HLK3)	KCNA3 (HGK5)	523
P22460	KCNA5_HUMAN	KCNA5	346	potential	Potassium voltage-gated channel subfamily A member 5 (Voltage-gated potassium channel subunit Kv1.5) (HK2) (HPCN1)	KCNA5	613
P17658	KCNA6_HUMAN	KCNA6	285	potential	Potassium voltage-gated channel subfamily A member 6 (Voltage-gated potassium channel subunit Kv1.6) (HBK2)	KCNA6	529
Q96RP8	KCNA7_HUMAN	KCNA7	231	potential	Potassium voltage-gated channel subfamily A member 7 (Voltage-gated potassium channel subunit Kv1.7)	KCNA7	456
Q9NS61	KCIP2_HUMAN	KCNIP2	45/46	by similarity	Kv channel-interacting protein 2 (KCHIP2) (A-type potassium channel modulatory protein 2) (Potassium channel-interacting protein 2) (Cardiac voltage-gated potassium channel modulatory subunit)	KCNIP2 (KCHIP2)	270
Q9GZY6	NTAL_HUMAN	LAT2	25/28	probable	Linker for activation of T-cells family member 2 (Non-T-cell activation linker) (Linker for activation of B-cells) (Membrane-associated adapter molecule) (Williams-Beuren syndrome chromosomal region 15 protein)	LAT2 (LAB) (NTAL) (WBS15) (WBSCR15) (WBSCR5) (HSPC046)	243
Q9H400	LIME1_HUMAN	LIME1	28/31	probable	Lck-interacting transmembrane adapter 1 (Lck-interacting membrane protein) (Lck-interacting molecule)	LIME1 (LIME) (LP8067)	295
Q92633	LPAR1_HUMAN	LPAR1	327	by similarity	Lysophosphatidic acid receptor 1 (LPA receptor 1) (LPA-1) (Lysophosphatidic acid receptor Edg-2)	LPAR1 (EDG2) (LPA1)	364
Q9HBW0	LPAR2_HUMAN	LPAR2	311	by similarity	Lysophosphatidic acid receptor 2 (LPA receptor 2) (LPA-2) (Lysophosphatidic acid receptor Edg-4)	LPAR2 (EDG4) (LPA2)	351
Q9UBY5	LPAR3_HUMAN	LAPR3	309	by similarity	Lysophosphatidic acid receptor 3 (LPA receptor 3) (LPA-3) (Lysophosphatidic acid receptor Edg-7)	LPAR3 (EDG7) (LPA3)	353
P07948	LYN_HUMAN	LYN	3	by similarity	Tyrosine-protein kinase Lyn	LYN	512
P20916	MAG_HUMAN	MAG	531	by similarity	Myelin-associated glycoprotein (Siglec-4a)	MAG (GMA)	626
Q96JE9	MAP6_HUMAN	MAP6	5/10/11	by similarity	Microtubule-associated protein 6 (MAP-6) (Stable tubule-only polypeptide) (STOP)	MAP6 (KIAA1878)	813
Q01726	MSHR_HUMAN	MC1R	315	potential	Melanocyte-stimulating hormone receptor (MSH-R) (Melanotropin receptor) (Melanocortin receptor 1) (MC1-R)	MC1R (MSHR)	317

Accession	Entry name	Gene symbol	Site	Evidence	Protein names	Genes	Length
Q01718	ACTHR_HUMAN	MC2R	293	potential	Adrenocorticotrophic hormone receptor (ACTH receptor) (ACTH-R) (Adrenocorticotropin receptor) (Melanocortin receptor 2) (MC2-R)	MC2R (ACTHR)	297
P41968	MC3R_HUMAN	MC3R	352	potential	Melanocortin receptor 3 (MC3-R)	MC3R	360
P32245	MC4R_HUMAN	MC4R	318	potential	Melanocortin receptor 4 (MC4-R)	MC4R	332
P33032	MC5R_HUMAN	MC5R	311/312	potential	Melanocortin receptor 5 (MC5-R) (MC-2)	MC5R	325
P28336	NMBR_HUMAN	NMBR	341	by similarity	Neuromedin-B receptor (NMB-R) (Neuromedin-B-preferring bombesin receptor)	NMBR	390
P48146	NPBW2_HUMAN	NPBWR2	–	by similarity	Neuropeptides B/W receptor type 2 (G-protein coupled receptor 8)	NPBWR2 (GPR8)	333
Q9NP85	PODO_HUMAN	NPHS2	101	by similarity	Podocin	NPHS2	383
P25929	NPY1R_HUMAN	NPY1R	338	by similarity	Neuropeptide Y receptor type 1 (NPY1-R)	NPY1R (NPYR) (NPYY1)	384
P49146	NPY2R_HUMAN	NPY2R	342	by similarity	Neuropeptide Y receptor type 2 (NPY-Y2 receptor) (NPY2-R)	NPY2R	381
Q15761	NPY5R_HUMAN	NPY5R	452	potential	Neuropeptide Y receptor type 5 (NPY5-R) (NPY-Y5 receptor) (NPYY5) (Y5 receptor)	NPY5R (NPYR5)	455
P30989	NTR1_HUMAN	NTSR1	383	potential	Neurotensin receptor type 1 (NT-R-1) (High-affinity levocabastine-insensitive neurotensin receptor) (NTRH)	NTSR1 (NTRR)	418
O95665	NTR2_HUMAN	NTSR2	377	potential	Neurotensin receptor type 2 (NTR2 receptor) (NT-R-2) (Levocabastine-sensitive neurotensin receptor)	NTSR2	410
Q9HIY3	OPN3_HUMAN	OPN3	325	by similarity	Opsin-3 (Encephalopsin) (Panopsin)	OPN3 (ECPN)	402
Q6U736	OPN5_HUMAN	OPN5	315/316	potential	Opsin-5 (Neuropsin) (G-protein coupled receptor 136) (G-protein coupled receptor PGR12) (Transmembrane protein 13)	OPN5 (GPR136) (PGR12) (TMEM13)	354
P41143	OPRD_HUMAN	OPRD1	333	potential	Delta-type opioid receptor (DOR-1)	OPRD1 (OPRD)	372
P41145	OPRK_HUMAN	OPRK1	345	potential	Kappa-type opioid receptor (KOR-1)	OPRK1 (OPRK)	380
P41146	OPRX_HUMAN	OPRL1	334	potential	Nociceptin receptor (Orphanin FQ receptor) (Kappa-type 3 opioid receptor) (KOR-3)	OPRL1 (OOR) (ORL1)	370
P35372	OPRM_HUMAN	OPRM1	353	potential	Mu-type opioid receptor (MOR-1)	OPRM1 (MOR1)	400
P43657	P2RY5_HUMAN	P2RY5	284	by similarity	Oleoyl-L-alpha-lysophosphatidic acid receptor (P2Y purinoceptor 5) (P2Y5) (Purinerger receptor 5) (RB intron encoded G-protein coupled receptor)	P2RY5	344
Q9NWQ8	PAG1_HUMAN	PAG1	37/40	probable	Phosphoprotein associated with glycosphingolipid-enriched microdomains 1 (Transmembrane adapter protein PAG) (Csk-binding protein) (Transmembrane phosphoprotein Cbp)	PAG1 (CBP) (PAG)	432
O75781	PALM_HUMAN	PALM	381/383	potential	Paralemmin	PALM (KIAA0270)	387
Q8IXS6	PALM2_HUMAN	PALM2	373/375	potential	Paralemmin-2	PALM2	379
A6NDB9	PALM3_HUMAN	PALM3	667/669	potential	Paralemmin-3	PALM3	673
Q13393	PLD1_HUMAN	PLD1	240/241	by similarity	Phospholipase D1 (PLD 1) (hPLD1) (3.1.4.4) (Choline phosphatase 1) (Phosphatidylcholine-hydrolyzing phospholipase D1)	PLD1	1074
P60201	MYPR_HUMAN	PLP1	6/7/10/109/139/141	by similarity	Myelin proteolipid protein (PLP) (Lipophilin)	PLP1 (PLP)	277
O15162	PLS1_HUMAN	PLSCR1	234/237/239/240	potential	Phospholipid scramblase 1 (PL scramblase 1) (Ca(2+)-dependent phospholipid scramblase 1) (Erythrocyte phospholipid scramblase) (MmTRA1b)	PLSCR1	318
Q9NRY7	PLS2_HUMAN	PLSCR2	149/152/154	probable	Phospholipid scramblase 2 (PL scramblase 2) (Ca(2+)-dependent phospholipid scramblase 2)	PLSCR2	224
Q9NRY6	PLS3_HUMAN	PLSCR3	211/214/216	probable	Phospholipid scramblase 3 (PL scramblase 3) (Ca(2+)-dependent phospholipid scramblase 3)	PLSCR3	295
Q9NRQ2	PLS4_HUMAN	PLSCR4	250/255	probable	Phospholipid scramblase 4 (PL scramblase 4) (Ca(2+)-dependent phospholipid scramblase 4) (TRA1) (Cell growth-inhibiting gene 43 protein)	PLSCR4 (GIG43)	329
P50391	NPY4R_HUMAN	PPYR1	340	potential	Neuropeptide Y receptor type 4 (NPY4-R) (Pancreatic polypeptide receptor 1) (PP1)	PPYR1 (NPY4R)	375
P43115	PE2R3_HUMAN	PTGER3	308/311	by similarity	Prostaglandin E2 receptor EP3 subtype (PGE receptor, EP3 subtype) (PGE2-R) (Prostanoid EP3 receptor)	PTGER3	390
P57729	RAB38_HUMAN	RAB38	205	potential	Ras-related protein Rab-38 (Antigen NY-MEL-1)	RAB38	211
Q8WZ73	RFFL_HUMAN	RFFL	–	by similarity	E3 ubiquitin-protein ligase rifyflin (6.3.2.-) (RING finger and FYVE-like domain-containing protein 1) (FYVE-RING finger protein Sakura) (Fring) (Caspases-8 and -10-associated RING finger protein 2) (CARP-2) (Caspase regulator CARP2) (RING finger protein 189) (RING finger protein 34-like)	RFFL (RNF189) (RNF34L)	363
Q52LD8	RFTN2_HUMAN	RFTN2	3	by similarity	Raftlin-2 (Raft-linking protein 2)	RFTN2 (C2orf11)	501
Q9UGC6	RGS17_HUMAN	RGS17	28-40 poly-Cys	by similarity	Regulator of G-protein signaling 17	RGS17	210
O76081	RGS20_HUMAN	RGS20	208-220 poly-Cys	by similarity	Regulator of G-protein signaling 20 (RGS20) (Regulator of Gz-selective protein signaling 1) (Gz-selective GTPase-activating protein) (G(z)GAP)	RGS20 (RGSZ1) (ZGAP1)	388
P49802	RGS7_HUMAN	RGS7	–	by similarity	Regulator of G-protein signaling 7	RGS7	495
Q6MZT1	R7BP_HUMAN	RGS7BP	252/253	by similarity	Regulator of G-protein signaling 7-binding protein (R7 family-binding protein)	RGS7BP (R7BP)	257
Q96L33	RHOV_HUMAN	RHOV	234	by similarity	Rho-related GTP-binding protein RhoV (Wnt-1 responsive Cdc42 homolog 2) (WRCH-2) (CDC42-like GTPase 2) (GTP-binding protein-like 2) (Rho GTPase-like protein ARHV)	RHOV (ARHV) (WRCH2)	236
Q16518	RPE65_HUMAN	RPE65	231, 329, 330	by similarity	Retinal pigment epithelium-specific 65 kDa protein	RPE65	533

Accession	Entry name	Gene symbol	Site	Evidence	Protein names	Genes	Length
P21453	S1PR1_HUMAN	S1PR1	328	by similarity	Sphingosine 1-phosphate receptor 1 (S1P receptor 1) (S1P1) (Sphingosine 1-phosphate receptor Edg-1) (S1P receptor Edg-1) (E	S1PR1 (CHEDG1) (EDG1)	382
O95136	S1PR2_HUMAN	S1PR2	305	by similarity	Sphingosine 1-phosphate receptor 2 (S1P receptor 2) (S1P2) (Sphingosine 1-phosphate receptor Edg-5) (S1P receptor Edg-5) (E	S1PR2 (EDG5)	353
O95977	S1PR4_HUMAN	S1PR4	323	by similarity	Sphingosine 1-phosphate receptor 4 (S1P receptor 4) (S1P4) (Sphingosine 1-phosphate receptor Edg-6) (S1P receptor Edg-6) (E	S1PR4 (EDG6)	384
Q9H228	S1PR5_HUMAN	S1PR5	323	by similarity	Sphingosine 1-phosphate receptor 5 (S1P receptor 5) (S1P5) (Sphingosine 1-phosphate receptor Edg-8) (S1P receptor Edg-8) (E	S1PR5 (EDG8)	398
P04920	B3A2_HUMAN	SLC4A2	1173	by similarity	Anion exchange protein 2 (AE2 anion exchanger) (Non-erythroid band 3-like protein) (BND3L) (Solute carrier family 4 member 2)	SLC4A2 (AE2) (EPB3L1) (HKB3) (MPB3L)	1241
P48751	B3A3_HUMAN	SLC4A3	1165	by similarity	Anion exchange protein 3 (Neuronal band 3-like protein) (Solute carrier family 4 member 3) (Cardiac/brain band 3-like protein) (CAE3/BAE3)	SLC4A3 (AE3)	1232
P30872	SSR1_HUMAN	SSTR1	329	potential	Somatostatin receptor type 1 (SS1R) (SRIF-2)	SSTR1	391
P30874	SSR2_HUMAN	SSTR2	328	potential	Somatostatin receptor type 2 (SS2R) (SRIF-1)	SSTR2	369
P31391	SSR4_HUMAN	SSTR4	327	potential	Somatostatin receptor type 4 (SS4R)	SSTR4	388
P35346	SSR5_HUMAN	SSTR5	320	potential	Somatostatin receptor type 5 (SS5R)	SSTR5	364
P21579	SYT1_HUMAN	SYT1	75/76/78/80/83	by similarity	Synaptotagmin-1 (Synaptotagmin I) (Syt1) (p65)	SYT1 (SVP65) (SYT)	422
P25103	NK1R_HUMAN	TACR1	322	potential	Substance-P receptor (SPR) (NK-1 receptor) (NK-1R) (Tachykinin receptor 1)	TACR1 (NK1R) (TAC1R)	407
P21452	NK2R_HUMAN	TACR2	324	potential	Substance-K receptor (SKR) (Neurokinin A receptor) (NK-2 receptor) (NK-2R) (Tachykinin receptor 2)	TACR2 (NK2R) (NKNAR) (TAC2R)	398
P29371	NK3R_HUMAN	TACR3	374	potential	Neuromedin-K receptor (NKR) (Neurokinin B receptor) (NK-3 receptor) (NK-3R) (Tachykinin receptor 3)	TACR3 (NK3R) (TAC3R)	465
P18206	VINC_HUMAN	VCL	–	by similarity	Vinculin (Metavinculin)	VCL	1134
P56704	WNT3A_HUMAN	WNT3A	77	by similarity	Protein Wnt-3a	WNT3A	352
P41221	WNT5A_HUMAN	WNT5A	104	by similarity	Protein Wnt-5a	WNT5A	380

**Note 1.** The putative S-acylation sites (see the 4th column) are included in the Uniprot database (<http://beta.uniprot.org>)