

Swine protein data								Human ortholog data			Database analysis	
gi	Coverage	# Peptides	# AAs	MW [kDa]	calc. pI	Score	RefSeq ID	RefSeq ID	Gene symbol	Cllome	Contamination check	
187370717	56.42	1274	553	59.7	9.19	62366.54	ACD02421.1	NP_001001937.1	ATP5A1	-	Mitochondrion	
194037554	70.64	800	528	56.3	5.27	38671.07	XP_001929445.1	NP_001677.2	ATP5B	Yes (9+2/9+0)	Mitochondrion	
47523756	56.20	563	1178	129.5	6.83	26589.87	NP_999514.1	NP_071504.2	PC	Yes (9+0)	Mitochondrion	
194044029	57.07	487	573	60.9	5.87	23555.83	XP_001928634.1	NP_955472.1	HSPD1	Yes (9+2/9+0)	Mitochondrion	
47522754	48.62	440	763	83.1	9.20	21314.37	NP_999127.1	NP_000173.2	HADHA	-	Mitochondrion	
187370723	48.62	432	763	83.2	9.20	21057.67	ACD02424.1	NP_000173.2	HADHA	-	Mitochondrion	
283443670	43.58	437	1021	112.7	5.58	20945.70	ADB19852.1	NP_000692.2	ATP1A1	Yes (9+2/9+0)		
242253868	23.58	636	246	25.9	7.18	17353.28	NP_001156363.1	NP_002762.2	PRSS3	-	Trypsin	
112980819	47.70	264	499	54.8	7.59	14597.04	ABI29191.1	NP_004159.2	SDHA	-	Mitochondrion	
89574201	49.91	267	541	59.0	6.57	14553.23	ABD77326.1	NP_004159.2	SDHA	-	Mitochondrion	
47523888	52.35	275	298	32.9	9.80	13667.26	NP_999583.1	NP_001142.2	SLC25A4	-	Mitochondrion	
284009806	42.75	286	1020	112.1	5.66	13461.03	NP_001165012.1	NP_000693.1	ATP1A2	Yes (9+2/9+0)		
47522750	71.38	237	283	30.7	8.54	12982.50	NP_999125.1	NP_003365.1	VDAC1	-	Mitochondrion	
45269029	57.67	282	404	44.8	5.83	12819.44	AAS55927.1	NP_001092.1	ACTB	Yes (9+2/9+0)		
194038726	60.45	214	531	57.8	7.85	11883.86	XP_001929120.1	NP_002645.3	PKM2	Yes (9+2/9+0)		
194038730	55.37	196	531	58.0	7.71	10961.99	XP_001929125.1	NP_002645.3	PKM2	Yes (9+2/9+0)		
47522630	47.67	228	430	47.4	9.01	10848.51	NP_999093.1	NP_002071.2	GOT2	-	Mitochondrion	
48675943	39.66	170	527	59.7	8.19	10220.16	NP_001001640.1	NP_000231.1	MAOA	-	Mitochondrion	
47522940	29.47	200	509	54.2	7.68	10189.01	NP_999227.1	NP_000099.2	DLD	-	Mitochondrion	
47522738	49.30	226	781	85.7	8.05	10184.35	NP_999119.1	NP_001089.1	ACO2	-	Mitochondrion	
284795272	26.53	202	1014	111.7	5.41	9818.50	NP_001165224.1	NP_689509.1	ATP1A3	Yes (9+2/9+0)		
262072947	39.30	179	313	33.2	8.95	9237.20	BAI47781.1	NP_000099.2	DLD	-	Mitochondrion	
194040124	53.64	221	453	50.4	4.86	9143.33	XP_001925125.1	NP_821133.1	TUBB	Yes (9+2/9+0)		
194043400	46.58	192	2044	230.4	6.74	9005.07	XP_001929604.1	NP_477352.2	PI4KA	Yes (9+0)		
81174757	31.14	172	167	18.7	7.02	8881.72	ABB58920.1	NP_116093.1	TUBA1C	-		
90569223	47.70	160	174	19.5	5.77	8850.57	ABD94500.1	NP_006073.2	TUBA1B	Yes (9+2/9+0)		
194043861	56.42	172	452	50.3	5.07	8702.13	XP_001928233.1	NP_006000.2	TUBA1A	Yes (9+2/9+0)		
194035320	42.57	162	491	54.5	4.73	7609.80	XP_001924562.1	NP_525125.2	TUBA3D	-		
194037939	47.50	165	501	56.2	4.81	6961.95	XP_001924816.1	NP_001060.1	TUBB2A	Yes (9+2/9+0)		
112980811	42.31	146	260	27.8	7.20	6575.18	ABI29187.1	NP_002037.2	GAPDH	Yes (9+2)		
4454540	55.88	146	170	18.8	9.77	6092.69	AAD20940.1	NP_001142.2	SLC25A4	-	Mitochondrion	
148879235	50.90	144	167	18.6	9.91	6022.71	CAN99572.1	NP_001143.2	SLC25A5	-	Mitochondrion	
47522760	60.86	127	442	47.6	9.31	5712.76	NP_999131.1	NP_000174.1	HADHB	-	Mitochondrion	
47523786	38.87	139	283	30.6	8.66	5710.45	NP_999529.1	NP_005653.3	VDAC3	-	Mitochondrion	
47522864	30.54	116	1254	144.8	8.57	5596.55	NP_999186.1	NP_004990.3	MYO6	Yes (9+0)		
113205498	26.96	106	434	47.1	7.96	5568.52	NP_001037992.1	NP_001967.3	ENO3	-		
298160980	43.54	134	441	47.8	9.51	5321.07	NP_001177161	NP_001350.1	DECR1	-	Mitochondrion	
5052383	55.50	136	191	19.9	9.25	5312.53	AAD38527.1	NP_002037.2	GAPDH	Yes (9+2)		
37934198	61.15	134	296	31.8	8.13	5310.98	AAP68768.1	NP_001350.1	DECR1	-	Mitochondrion	
295442674	58.23	134	328	35.4	9.31	5302.01	ADG21261.1	NP_001350.1	DECR1	-	Mitochondrion	
833798	56.20	121	605	69.4	6.30	5266.12	CAA30970.1	NP_000468.1	ALB	-	Serum	
255683404	46.46	118	452	50.8	8.69	5237.17	NP_001157479.1	NP_002159.2	IDH2	-	Mitochondrion	
47523600	53.00	97	500	56.6	8.25	5174.30	NP_999428.1	NP_000654.2	ABAT	-	Mitochondrion	
89574151	59.57	108	282	29.5	8.10	5035.22	ABD77301.1	NP_005909.2	MDH2	Yes (9+2)	Mitochondrion	
194043055	41.13	99	479	52.3	6.11	4926.57	XP_001924933.1	NP_000681.2	ALDH2	-	Mitochondrion	
47522774	45.98	105	733	84.7	5.01	4844.08	NP_999138.1	NP_001017963.2	HSP90AA1	Yes (9+2/9+0)		
47522682	53.80	100	539	58.6	7.64	4838.74	NP_999066.1	NP_000523.2	PCCB	-	Mitochondrion	
47523016	39.55	99	804	92.5	4.83	4833.64	NP_999268.1	NP_003290.1	HSP90B1	Yes (9+2/9+0)		
88683157	46.28	103	296	32.9	6.28	4696.74	CAJ77723.1	NP_116093.1	TUBA1C	-		
217039113	36.79	104	1245	139.0	6.90	4602.43	ACJ76845.1	NP_005327.1	HDLBP	Yes (9+0)		
164541	53.36	97	298	31.8	8.27	4528.76	AAA31071.1	NP_005909.2	MDH2	Yes (9+2)	Mitochondrion	
47523794	54.42	113	294	31.6	7.56	4429.99	NP_999534.1	NP_001171712.1	VDAC2	-	Mitochondrion	
49274643	32.31	64	520	58.2	8.13	4421.82	NP_001001864.1	NP_000889.3	MAOB	-	Mitochondrion	
153792600	32.52	93	2512	272.1	6.42	4171.04	NP_001093400.1	NP_004095.4	FASN	Yes (9+0)		
194036470	50.00	77	256	28.6	9.47	3710.92	XP_001928906.1	NP_001679.2	ATP5F1	-	Mitochondrion	
47523720	40.68	64	558	63.1	7.99	3682.06	NP_999495.1	NP_000166.2	GPI	Yes (9+0)		
294805368	52.13	77	658	73.8	8.88	3402.27	ADF42518.1	NP_000089.1	CPT2	-	Mitochondrion	
194039391	37.02	49	724	83.2	5.03	3302.08	XP_001929605.1	NP_031381.2	HSP90AB1	Yes (9+2/9+0)		
47522680	46.72	72	944	106.6	6.02	3291.18	NP_999069.1	NP_938149.2	GANAB	Yes (9+0)		
194033595	39.94	70	666	73.8	5.88	3263.17	XP_001927830.1	NP_005338.1	HSPA5	Yes (9+2/9+0)		
194041763	32.03	66	793	86.8	7.03	3179.92	XP_001927564.1	NP_002851.2	ALDH18A1	-	Mitochondrion	
47523762	14.02	60	1220	134.6	5.86	3163.43	NP_999517.1	NP_001673.2	ATP2B1	Yes (9+2/9+0)		
194041191	43.54	67	480	52.7	6.14	3106.74	XP_001926664.1	NP_003356.2	UQCRC1	-	Mitochondrion	
47523626	43.55	66	806	89.2	5.26	3056.19	NP_999445.1	NP_009057.1	VCP	Yes (9+2/9+0)		
194035831	38.81	62	1224	138.4	7.66	2947.43	XP_001928742.1	NP_001091868.1	COPA	Yes (9+2/9+0)		
47522898	32.07	65	421	46.3	8.68	2872.51	NP_999204.1	NP_001120800.1	ACADM	Yes (9+2/9+0)	Mitochondrion	
194042498	34.64	64	1403	161.1	6.40	2861.82	XP_001926058.1	NP_038479.1	MYOF	Yes (9+0)		
164518958	58.98	59	334	36.6	5.86	2742.65	NP_001106758.1	NP_002291.1	LDHB	Yes (9+0)		
57527987	39.86	62	577	67.6	6.68	2703.18	NP_001009578.1	NP_002435.1	MSN	Yes (9+2/9+0)		
47522814	23.03	49	647	69.0	7.97	2691.73	NP_999159.1	NP_001922.2	DLAT	Yes (9+2)	Mitochondrion	
194033625	41.77	70	632	71.5	6.68	2690.59	XP_001924858.1	NP_001027392.1	STXBP1	Yes (9+0)		
194043700	28.20	54	532	60.5	8.72	2540.53	XP_001927726.1	NP_001063.2	UGT1A6	-		
194037604	27.59	57	1225	136.0	5.97	2525.45	XP_001927856.1	NP_060918.2	CAND1	Yes (9+0)		
194036657	21.42	56	1849	208.6	5.83	2449.70	XP_001928045.1	NP_006412.2	ARFGEF1	Yes (9+0)		
166244455	42.82	53	439	48.4	6.90	2436.27	ABY86572.1	NP_000265.1	OAT	Yes (9+0)	Mitochondrion	
35384836	71.66	49	314	32.9	7.97	2423.76	AAQ84564.1	NP_000117.1	ETFA	-	Mitochondrion	
194043180	28.25	54	963	106.1	5.12	2417.35	XP_001925929.1	NP_001025177.1	AP2B1	Yes (9+0)		
47523768	61.89	60	454	52.4	7.62	2371.34	NP_999520.1	NP_000111.1	EPHX1	-		
281427372	38.48	44	421	47.5	8.94	2321.76	NP_001163994.1	NP_000131.2	FECH	Yes (9+0)	Mitochondrion	
194042320	33.30	55	916	102.3	6.74	2307.52	XP_001929048.1	NP_000180.2	HK2	-	Mitochondrion	
297591979	42.82	51	439	48.5	6.90	2281.81	NP_001172070	NP_000265.1	OAT	Yes (9+0)	Mitochondrion	
194033419	32.17	49	373	44.4	6.40	2252.47	XP_001924268.1	NP_001104547.1	EZR	-		

256838109	29.64	48	361	40.0	9.32	2250.57	NP_001157984.1	NP_002626.1	SLC25A3	Yes (Global)	Mitochondrion
281427374	51.96	47	535	57.4	6.54	2235.57	NP_001163991.1	NP_006422.1	CCT2	Yes (9+2/9+0)	
194039357	20.18	46	1204	136.2	5.54	2208.32	XP_001929500.1	NP_065801.1	XPO5	Yes (9+0)	
47522610	36.54	46	520	56.4	8.27	2206.56	NP_999103.1	NP_000427.1	OXCT1	-	Mitochondrion
194043064	32.74	48	1283	139.9	6.76	2200.10	XP_001925307.1	NP_006827.1	GCN1L1	-	
194044286	38.87	47	746	83.0	5.14	2153.66	XP_001926037.1	NP_001036041.1	RRBP1	Yes (9+2/9+0)	
47523618	46.34	65	464	51.6	8.06	2130.13	NP_999441.1	NP_004068.2	CS	-	Mitochondrion
194038542	48.78	48	533	57.6	8.24	2111.25	XP_001929208.1	NP_005580.1	ALDH6A1	-	Mitochondrion
47522692	36.98	51	430	47.9	7.39	2095.52	NP_999062.1	NP_001599.1	ACADL	-	Mitochondrion
56792845	38.62	52	189	20.7	5.20	2063.80	AAW30622.1	NP_997195.1	TUBA3E	-	
194039315	22.99	42	1092	120.8	6.61	2048.16	XP_001926726.1	NP_002812.2	PTK7	Yes (9+2/9+0)	
57527982	20.93	40	583	68.5	6.27	1967.97	NP_001009576.1	NP_002897.1	RDX	Yes (9+2/9+0)	
47523670	33.38	43	737	80.1	8.03	1957.09	NP_999471.1	NP_000405.1	HSD17B4	-	
194033415	64.38	34	233	27.3	5.97	1953.12	XP_001928755.1	NP_001104547.1	EZR	-	
194038427	16.79	46	2138	246.8	5.29	1892.55	XP_001927057.1	NP_001020029.1	SPTB	Yes (9+0)	Serum
194037873	9.31	40	623	67.4	6.84	1875.35	XP_001925764.1	NP_062832.1	GPR162	-	
194041602	25.93	45	405	44.3	9.66	1870.76	XP_001926332.1	NP_001600.1	ACADSB	-	Mitochondrion
47523464	30.07	38	439	48.8	5.71	1864.84	NP_999353.1	NP_005207.2	DDOST	Yes (9+0)	
47523114	50.60	49	334	36.4	6.58	1864.09	NP_999039.1	NP_005908.1	MDH1	Yes (9+2/9+0)	
194039421	10.32	53	252	28.5	5.78	1827.29	XP_001927000.1	NP_058625.2	CLIC5	-	
54020966	52.21	44	339	38.5	6.93	1815.71	NP_001005726.1	NP_001002858.1	ANXA2	Yes (9+2/9+0)	
1900	28.71	35	303	35.1	8.53	1734.32	CAA27575.1	NP_001668.1	ATP1B1	Yes (9+0)	
194042318	30.10	36	917	102.4	6.73	1700.42	XP_001928917.1	NP_079406.3	HKDC1	Yes (9+0)	
164669	33.33	39	417	45.1	5.58	1677.94	AAA31120.1	NP_003839.2	SUCLG2	-	Mitochondrion
47523726	35.86	34	608	68.7	6.55	1672.20	NP_999498.1	NP_002941.1	RPN1	Yes (9+0)	
194033647	26.97	32	864	97.2	6.87	1629.01	XP_001928157.1	NP_004399.2	DNM1	Yes (9+2/9+0)	
194042126	21.73	40	1376	166.0	6.71	1627.65	XP_001928377.1	NP_003741.1	EIF3A	Yes (9+2/9+0)	
113205650	30.00	35	780	85.3	8.18	1614.54	NP_001038015.1	NP_000280.1	PFKM	Yes (9+0)	
38569762	36.96	40	46	4.9	5.11	1606.21	AAR24399.1	NP_004083.3	ECHS1	-	Mitochondrion
194037849	18.36	37	1514	167.8	6.29	1600.25	XP_001925235.1	NP_000005.2	A2M	-	Serum
833800	32.47	34	696	76.9	7.03	1598.88	CAA30943.1	NP_001054.1	TF	-	
1921	24.47	35	997	109.7	5.36	1594.81	CAA33169.1	NP_733765.1	ATP2A2	Yes (9+2/9+0)	
194034783	42.50	33	320	36.0	9.20	1585.75	XP_001924385.1	NP_067022.1	SQRDL	-	Mitochondrion
194042284	47.20	28	322	35.0	6.60	1578.17	XP_001925338.1	NP_005262.1	GLUD1	-	Mitochondrion
194038105	13.03	36	1665	188.2	6.28	1557.41	XP_001925566.1	NP_006026.3	CDC42BPB	Yes (9+2/9+0)	
68445604	16.80	37	1851	214.8	8.44	1549.94	BAE03307.1	NP_001135967.1	MYO5A	Yes (9+2/9+0)	
288860138	22.56	38	953	107.1	6.13	1525.19	NP_001165837.1	NP_001137533.1	COPB1	Yes (9+0)	
148747288	59.94	35	322	35.6	9.23	1522.53	NP_001092072.1	NP_073591.2	SFXN1	-	Mitochondrion
164543	52.94	36	289	31.7	6.57	1504.67	AAA31072.1	NP_005908.1	MDH1	Yes (9+2/9+0)	
95117652	31.18	33	744	81.6	8.27	1472.88	ABF57019.1	NP_000280.1	PFKM	Yes (9+0)	
194041527	31.99	26	572	62.3	6.38	1466.69	XP_001927831.1	NP_001377.1	DPYSL2	-	
194040685	20.35	27	1081	121.7	6.97	1449.04	XP_001926818.1	NP_002262.3	IPO5	-	
48675953	29.44	30	445	50.2	4.70	1441.61	NP_001001643.1	NP_001485.2	GDI2	-	
47523848	26.37	37	455	48.9	8.82	1439.55	NP_999562.1	NP_001924.2	DLST	-	Mitochondrion
194042529	10.96	29	894	103.7	5.45	1431.12	XP_001927307.1	NP_001094.1	ACTN2	-	
154101332	38.28	33	128	14.6	9.72	1429.92	ABS58492.1	NP_000775.1	CYP27A1	-	Mitochondrion
194036006	29.00	30	531	59.2	7.36	1403.29	XP_001926412.1	NP_005989.3	CCT3	Yes (9+2/9+0)	
163915141	28.12	32	626	70.8	8.35	1374.22	NP_001106518.1	NP_000746.2	CRAT	-	Mitochondrion
194044007	29.36	30	596	66.3	8.13	1373.89	XP_001924775.1	NP_055720.3	GLS	Yes (9+0)	Mitochondrion
47523864	28.53	32	750	83.3	8.19	1373.12	NP_999570.1	NP_000246.2	MUT	Yes (9+0)	Mitochondrion
194039401	27.21	33	985	106.9	6.51	1367.83	XP_001929628.1	NP_065796.1	AARS2	-	Mitochondrion
178056753	25.76	26	854	97.4	7.49	1352.27	NP_001116644.1	NP_002854.3	PYGL	-	
7547271	45.14	25	175	20.0	6.84	1349.22	AAB35333.2	NP_055720.3	GLS	Yes (9+0)	Mitochondrion
264681456	39.44	28	426	46.6	7.85	1338.76	NP_001161107.1	NP_002216.2	IVD	-	Mitochondrion
153792027	47.48	24	417	44.5	7.90	1316.24	NP_001093402.1	NP_000282.1	PGK1	Yes (9+2/9+0)	
194042961	17.19	29	1059	118.2	8.35	1301.53	XP_001929589.1	NP_001130010.1	ACAD10	Yes (9+2/9+0)	
194037640	25.84	25	770	85.2	7.59	1300.79	XP_001926622.1	NP_036322.2	ALDH1L1	-	
194035060	18.40	28	1793	193.0	6.10	1299.51	XP_001924346.1	NP_055874.2	TLN2	Yes (9+0)	
194039730	47.49	32	537	57.7	8.28	1299.49	XP_001928195.1	NP_001071.1	ALDH5A1	-	Mitochondrion
178056732	43.10	22	355	40.4	5.54	1282.65	NP_001116588.1	NP_002061.1	GNAI2	Yes (9+2/9+0)	
264681432	57.99	26	319	35.8	5.92	1280.04	NP_001161111.1	NP_001144.1	ANXA4	Yes (9+2/9+0)	
194042272	46.82	23	299	32.7	7.01	1273.72	XP_001925088.1	NP_005262.1	GLUD1	-	Mitochondrion
19919838	39.91	28	431	48.1	6.89	1270.06	AAM08402.1	NP_055720.3	GLS	Yes (9+0)	Mitochondrion
51592133	21.20	24	618	68.4	5.58	1266.73	NP_001004042.1	NP_001681.2	ATP6V1A	Yes (9+2/9+0)	
281427370	41.44	27	543	59.4	7.15	1264.63	NP_001163993.1	NP_006420.1	CCT7	Yes (9+2/9+0)	
47522686	17.68	25	413	44.8	8.13	1246.59	NP_999063.1	NP_000008.1	ACADS	Yes (9+2/9+0)	Mitochondrion
194043981	18.97	26	1128	128.8	6.62	1238.57	XP_001928589.1	NP_995314.1	NCKAP1	Yes (9+0)	
194043678	22.88	25	953	105.7	5.39	1222.71	XP_001925937.1	NP_002798.2	PSMD1	Yes (9+0)	
147223308	17.72	27	632	69.3	8.02	1218.08	CAN13201.1	NP_536350.2	GNAS	Yes (9+2/9+0)	
47522618	20.90	29	1067	116.8	6.16	1202.85	NP_999099.1	NP_054706.1	VCL	Yes (9+0)	
91214448	78.82	22	203	21.8	6.39	1199.86	ABE27954.1	NP_001152759.1	TPI1	Yes (9+0)	
146741316	15.74	30	1201	135.5	7.21	1188.26	BAF62313.1	NP_003929.4	AP3D1	Yes (9+0)	
194037097	41.54	31	260	29.2	7.01	1185.00	XP_001927840.1	NP_000058.1	CA2	Yes (9+0)	
178056466	26.85	26	447	50.8	8.07	1184.59	NP_001116555.1	NP_000700.1	BCKDHA	-	Mitochondrion
47523308	26.52	27	641	70.1	5.82	1180.83	NP_998931.1	NP_005337.2	HSPA1B	Yes (9+2/9+0)	Mitochondrion
113205874	59.15	19	213	23.4	9.96	1176.04	NP_001038071.1	NP_001688.1	ATP5O	-	Mitochondrion
194036880	26.35	26	463	52.5	6.84	1164.62	XP_001927701.1	NP_004541.1	NDUFS2	-	Mitochondrion
190360601	37.59	28	423	48.3	7.87	1157.66	NP_001121914.1	NP_001473.1	GATM	-	Mitochondrion
194044193	17.73	26	1455	158.3	7.23	1155.59	XP_001926385.1	NP_000028.3	ANK1	Yes (9+2/9+0)	Serum
194044406	19.72	26	791	89.5	7.05	1150.85	XP_001927066.1	NP_002827.1	PTPRA	Yes (9+0)	
4102210	37.93	24	87	9.4	9.86	1147.20	AAD01440.1	NP_003553.2	SLC25A11	-	Mitochondrion
47523722	46.18	21	314	34.1	9.00	1145.52	NP_999496.1	NP_005318.3	HADH	Yes (Global)	Mitochondrion
178056512	18.10	24	641	70.3	6.35	1103.02	NP_001116600.1	NP_005518.3	HSPA1L	Yes (9+2/9+0)	
223950621	11.70	19	1128	118.6	5.66	1084.52	NP_001138854.1	NP_001092004.1	BAT3	Yes (9+0)	
68124034	31.07	25	309	33.6	6.80	1084.17	CAJ03391.1	NP_001393.1	EEF1A1	Yes (9+2/9+0)	

1616950	19.13	25	920	102.4	7.43	1082.36	AAB16869.1	NP_000623.2	ITGAM	-	
194042197	33.94	24	218	24.3	9.16	1079.28	XP_001925957.1	NP_115709.3	C10orf58	Yes (9+0)	
194044118	41.89	24	475	55.4	6.15	1069.62	XP_001924839.1	NP_064505.1	UGGT1	-	
148225750	23.86	22	859	96.6	5.41	1066.53	NP_001090973.1	NP_006635.2	HSPH1	-	
194043684	16.67	27	360	40.4	6.18	1044.04	XP_001926541.1	NP_002233.2	KCNJ13	-	
118403904	26.46	19	189	19.9	6.79	1042.96	NP_001072131.1	NP_009193.2	PARK7	Yes (9+0)	
194043642	15.15	19	904	101.4	6.02	1042.93	XP_001925117.1	NP_001165906.1	RAB3GAP1	Yes (9+0)	
194042134	20.99	10	243	26.6	7.28	1037.11	XP_001928552.1	NP_006784.1	PRDX3	Yes (9+2/9+0)	Mitochondrion
47523792	25.99	25	781	85.5	5.86	1031.46	NP_999532.1	NP_001091679.1	CTNNB1	Yes (9+2/9+0)	
194041957	30.86	17	499	55.4	5.40	1025.25	XP_001929355	NP_116116.1	INA	Yes (9+0)	
106073338	27.36	18	731	84.0	6.52	1017.04	ABF81978.1	NP_005600.1	PYGM	Yes (9+0)	
47523818	26.85	20	499	56.4	7.25	1010.86	NP_999546.1	NP_742127.1	CAMK2D	Yes (9+2/9+0)	
76097691	41.08	24	297	34.3	4.87	1000.87	ABA39527.1	NP_003371.2	VIM	Yes (9+0)	
1236646	20.88	23	455	49.3	6.06	989.27	AAC48775.1				Serum
118403792	49.30	23	357	39.1	5.62	987.02	NP_001072151.1	NP_057334.1	NDRG2	Yes (9+0)	
52631983	34.42	19	337	37.5	6.30	985.81	AAU85385.1	NP_004437.2	EPRS	Yes (9+0)	
50979303	26.84	17	503	57.3	6.74	983.83	NP_999466.1	NP_001743.1	CAT	Yes (9+0)	
47523306	22.72	18	757	88.1	6.27	983.58	NP_998934.1	NP_009330.1	STAT1	-	
171465894	17.25	15	568	61.6	5.69	980.45	ACB46190.1	NP_001012679.1	SLC3A2	Yes (9+0)	
47522660	34.37	17	579	62.8	7.62	969.59	NP_999079.1	NP_001432.2	FAAH	Yes (9+0)	
194044375	14.09	18	646	70.4	7.71	968.09	XP_001927148.1	NP_115890.2	ACSS1	-	Mitochondrion
178056392	27.40	15	354	40.5	5.69	958.51	NP_001116589.1	NP_006487.1	GNAI3	Yes (9+2/9+0)	
190360675	27.63	20	427	47.3	7.81	953.98	NP_001121955.1	NP_005794.1	FLOT1	-	
194042491	18.53	24	1009	116.9	6.46	947.66	XP_001925416.1	NP_004960.2	IDE	-	
2997739	59.76	18	82	9.4	7.05	933.97	AAC08590.1	NP_005150.1	ACTC1	Yes (9+2/9+0)	
195972993	16.35	16	685	77.1	6.65	931.03	NP_001124446.1	NP_003147.2	STIM1	Yes (9+0)	
194035330	15.97	20	864	97.3	8.38	928.45	XP_001924430.1	NP_056138.1	KIAA0776	Yes (9+0)	
194044120	53.61	23	360	40.9	5.64	927.81	XP_001924866.1	NP_064505.1	UGGT1	-	
178056550	26.64	24	533	56.8	6.89	925.57	NP_001116634.1	NP_006614.2	PHGDH	Yes (9+0)	
194041349	18.21	17	280	30.3	9.16	921.67	XP_001926718.1	NP_001001331.1	ATP2B2	Yes (9+2/9+0)	
194037880	29.52	22	664	73.5	5.38	917.17	XP_001925819.1	NP_003931.2	USP13	-	
194036093	19.54	20	609	68.4	8.38	900.60	XP_001926976.1	NP_065385.2	PBXIP1	-	
194034213	16.21	16	833	95.8	6.70	889.49	XP_001926027.1	NP_055807.1	DAAM1	Yes (9+0)	
194039491	25.96	16	366	39.6	7.15	879.55	XP_001927373.1	NP_005521.1	IDH3A	-	Mitochondrion
194035054	21.94	17	556	61.8	8.85	878.97	XP_001929115.1	NP_116246.2	LACTB	-	Mitochondrion
194040871	12.57	20	1575	171.5	6.99	870.67	XP_001924275.1	NP_056281.1	PTPN23	Yes (9+0)	
194033403	38.31	22	556	60.3	5.99	869.34	XP_001928240.1	NP_110379.2	TCP1	Yes (9+2/9+0)	
157427728	15.99	15	1076	117.8	7.43	867.53	NP_001098772.1	NP_001087.2	ACLY	Yes (9+0)	
194033639	36.83	19	372	41.8	9.25	863.32	XP_001927971.1	NP_079348.1	PTGES2	Yes (9+0)	
194041569	5.18	14	1970	216.6	6.30	859.42	XP_001926837.1	NP_056069.2	KIF13B	-	
194034221	27.43	21	339	38.1	8.75	842.06	XP_001928783.1	NP_057113.1	DHRS7	Yes (9+0)	
47522636	33.41	16	413	46.4	7.20	837.76	NP_999092.1	NP_002070.1	GOT1	Yes (9+0)	
291622246	33.33	23	417	48.3	4.46	833.09	NP_001167604.1	NP_004334.1	CALR	Yes (9+0)	
197251946	22.97	17	418	47.4	5.88	827.85	NP_001127815.1	NP_005712.1	ACTR3	Yes (9+2/9+0)	
194043438	28.24	22	386	42.6	9.17	827.33	XP_001927482.1	NP_005975.1	SLC25A1	-	Mitochondrion
194036351	8.08	20	1832	196.9	5.34	823.98	XP_001926434.1	NP_0077719.2	NOTCH2	-	
194042314	15.34	15	789	88.0	8.27	819.68	XP_001928933.1	NP_003162.2	SUPV3L1	-	Mitochondrion
147780441	10.57	17	1741	192.3	7.15	813.50	CAN59660.1	NP_009224.2	C4A	-	Serum
194041795	41.02	15	256	29.0	7.18	812.74	XP_001928790.1	NP_002620.1	PGAM1	Yes (9+0)	
194042063	20.69	19	836	92.9	5.24	801.64	XP_001927134.1	NP_001001936.1	AFAP1L2	-	
1304179	10.71	18	448	47.3	7.05	778.33	BAA07817.1	NP_000499.1	FGA	-	Serum
194035289	19.34	14	574	62.8	6.68	777.64	XP_001927130.1	NP_002517.1	NT5E	Yes (9+2/9+0)	
2407184	13.21	17	333	35.8	8.46	771.36	AAB94053.1	NP_002037.2	GAPDH	Yes (9+2)	
2258465	31.83	17	333	35.0	9.23	768.51	AAB94003.1	NP_003840.2	SUCLG1	-	Mitochondrion
194041803	13.69	16	1030	113.1	6.24	766.78	XP_001928946.1	NP_071757.4	MMS19	-	
194041977	12.35	15	1206	138.9	5.03	763.04	XP_001929461.1	NP_055535.2	SLK	Yes (9+2/9+0)	
208972300	21.71	17	152	16.9	7.75	759.32	ACI32712.1	NP_008862.1	SLC2A3	-	
194018678	17.55	15	678	76.8	5.43	745.26	NP_001123431.1	NP_000932.3	POR	Yes (9+0)	
120564445	45.08	14	264	28.9	6.93	745.12	ABM30148.1	NP_001389.2	ECH1	-	Mitochondrion
194038734	19.08	18	765	86.1	7.08	743.90	XP_001929226.1	NP_006355.2	SEC23A	Yes (9+0)	
178056478	10.35	19	396	43.3	6.29	742.87	NP_001116691.1	NP_000047.1	BCKDHB	-	Mitochondrion
72535190	14.15	9	205	22.6	7.05	739.41	NP_001026957.1	NP_004152.1	RAB1A	Yes (9+2/9+0)	
123186755	31.04	17	364	40.6	6.13	727.73	ABM69185.1				
194035996	16.20	14	463	52.3	9.48	723.90	XP_001924629.1	NP_839943.2	IQGAP3	-	
264681430	28.97	13	397	41.9	8.40	722.82	NP_001161110.1	NP_006102.2	ACAA2	-	Mitochondrion
194037572	26.73	15	505	56.2	8.21	712.69	XP_001929492.1	NP_005403.2	SHMT2	Yes (9+2)	Mitochondrion
85792253	29.48	15	407	46.4	5.48	698.79	ABC84194.1	NP_001958.2	EIF4A2	Yes (9+2/9+0)	
155369760	25.57	18	661	74.8	7.50	696.57	NP_001094498.1	NP_009223.2	ACOX1	Yes (9+0)	
113205608	23.59	15	284	32.2	10.73	696.39	NP_001038007	NP_000961.2	RPL6	-	Ribosome
194041249	28.74	14	421	46.6	8.90	694.19	XP_001925979.1	NP_060867.2	CHDH	-	Mitochondrion
51592147	13.24	15	710	80.7	5.85	692.68	NP_001004050.1	NP_002717.3	PREP	Yes (9+0)	
194041376	10.97	9	693	77.9	8.25	687.67	XP_001924800.1	NP_115545.3	ACAD11	-	
194035777	20.67	12	421	47.2	7.33	680.63	XP_001929419.1	NP_001008661.1	CCBL2	-	
261532847	27.70	14	361	37.7	7.25	679.94	ACX85429.1	NP_006105.1	TOMM40	-	Mitochondrion
47523472	10.02	12	539	60.2	7.30	679.22	NP_999358.1	NP_742077.1	CAMK2B	-	
194041257	27.82	14	266	29.3	7.83	676.34	XP_001926099.1	NP_060867.2	CHDH	-	Mitochondrion
47523872	14.00	15	643	68.1	6.67	672.19	NP_999575.1	NP_000444.1	SLC5A5	-	
146741290	20.67	15	358	42.0	5.68	668.90	BAF62300.1	NP_002063.2	GNAQ	Yes (9+2/9+0)	
194042806	20.65	17	460	49.5	6.34	666.79	XP_001927837.1	NP_001147.1	ANXA7	Yes (9+2/9+0)	
194041218	25.38	14	390	45.9	8.09	664.58	XP_001928126.1	NP_001127703.1	NT5DC2	-	
281324305	30.57	16	350	38.7	5.35	663.35	ADA60694.1				
5052379	29.10	13	189	22.0	5.25	661.81	AAD38525.1	NP_001076581.2	GPD2	-	Mitochondrion
212525788	17.46	15	676	70.7	9.88	661.05	ACJ2765.1	NP_598006.1	SYN1	Yes (9+0)	
194034423	15.55	11	463	50.9	8.69	658.23	XP_001926853.1	NP_079160.1	L2HGDH	Yes (9+0)	Mitochondrion
194036285	21.89	14	233	26.3	9.76	657.09	XP_001924916.1	NP_036245.1	CA14	Yes (9+0)	

194038709	19.85	17	398	44.5	7.99	656.26	XP_001928700.1	NP_036560.1	NPTN	Yes (9+0)	
194033574	13.02	19	845	89.4	4.88	655.98	XP_001927353.1	NP_775960.4	CRB2	-	
194034593	5.95	17	1058	119.3	5.57	646.88	XP_001925408.1	NP_065905.2	KIAA1468	-	
47522608	17.65	13	629	69.2	5.95	644.85	NP_999106.1	NP_002942.2	RPN2	Yes (9+0)	
11558496	13.68	15	636	67.1	7.17	643.85	CAC17816.1	NP_000444.1	SLC5A5	-	
194035640	19.97	14	741	84.6	8.48	641.97	XP_001924598.1	NP_006200.3	ENPP2	-	
194044626	24.39	14	246	28.1	4.83	641.33	XP_001927289.1	NP_003395.1	YWHAB	Yes (9+2/9+0)	
88861940	65.75	15	73	7.9	8.19	636.80	ABD52877.1	NP_001606.1	ACTA2	Yes (9+2/9+0)	
194033664	26.97	13	445	51.9	6.19	636.65	XP_001928746.1	NP_002531.3	ODF2	Yes (9+2/9+0)	
165973420	30.22	14	364	40.3	5.76	636.01	NP_001107174.1				
113205668	52.32	13	151	16.7	9.44	628.63	NP_001038021.1	NP_004519.1	MGST3	Yes (9+0)	
194041649	2.83	11	741	83.5	4.88	626.99	XP_001926615.1	NP_060650.2	DHX32	-	Mitochondrion
5835866	20.09	9	229	26.2	4.89	625.83	NP_008637.1	YP_003024029.1	MT-CO2	-	Mitochondrion
98283613	26.49	13	385	42.4	8.29	624.08	ABF58001.1	NP_008830.2	IDH3B	-	Mitochondrion
47522772	12.31	15	650	74.0	5.78	623.06	NP_999137.1	NP_005177.2	CAPN1	Yes (9+2/9+0)	
194034893	29.57	15	470	51.7	5.34	619.05	XP_001929453.1	NP_060615.1	FAM82A2	-	Mitochondrion
178056945	8.66	11	1062	118.2	7.68	618.67	NP_001116686.1	NP_065175.4	VARS2	-	Mitochondrion
194042189	25.10	15	502	53.9	7.30	618.46	XP_001924213.1	NP_001148.1	ANXA11	-	
47523958	14.76	18	271	28.7	7.01	612.93	NP_999619.1	NP_932766.1	AQP1	Yes (9+0)	
194040859	16.29	16	798	87.6	7.37	610.94	XP_001926951.1	NP_056281.1	PTPN23	Yes (9+0)	
20378720	24.10	12	361	40.1	5.94	605.93	AAM20954.1				
18699303	26.42	13	352	38.9	5.36	604.78	AAL78518.1				
194043977	10.40	11	1250	136.9	5.08	603.46	XP_00192844.1	NP_001123917.1	SSFA2	-	
89573851	23.81	12	252	28.4	7.96	603.04	ABD77151.1	NP_002991.2	SDHB	Yes (9+0)	Mitochondrion
186886352	27.67	12	477	53.2	7.77	597.10	ACC93575.1	NP_037518.3	SLC25A24	-	Mitochondrion
194041502	20.45	14	934	103.9	4.89	596.05	XP_001925857.1	NP_005373.2	NEFM	Yes (9+2/9+0)	
47522712	23.29	12	322	35.6	6.38	594.26	NP_999108.1	NP_003672.1	PDXK	Yes (9+0)	
288860136	31.33	13	332	36.6	8.07	592.73	NP_001165834.1	NP_005557.1	LDHA	Yes (9+0)	
194040972	21.78	15	381	42.7	6.80	589.42	XP_001924801.1	NP_065843.3	NCEH1	-	
47523628	8.31	11	963	108.8	5.31	587.52	NP_999442.1	NP_001141.2	ANPEP	-	
20378700	25.55	13	364	40.6	6.80	586.35	AAM20944.1				
178056588	15.92	4	201	22.1	5.73	586.30	NP_001116645.1	NP_112243.1	RAB1B	Yes (9+2/9+0)	
195539468	29.34	10	259	26.7	6.04	578.75	NP_001124202.1	NP_055049.1	HSD17B8	Yes (9+0)	
194041955	17.97	13	562	65.1	6.05	575.56	XP_001929313.1	NP_001127845.1	NT5C2	-	
194033409	26.24	12	221	24.7	8.88	573.89	XP_001926475.1	NP_000627.2	SOD2	-	Mitochondrion
83415427	26.10	13	364	40.5	5.76	572.55	ABC17921.1				
222090428	18.64	12	499	55.6	9.25	567.66	ACM42422.1	NP_036345.2	MLYCD	Yes (9+0)	Mitochondrion
194041424	10.94	11	1088	124.0	6.48	567.20	XP_001926790.1	NP_001093631.1	XPO7	-	
211926963	25.55	12	364	40.5	5.92	566.31	BAG82701.1				
258590765	4.33	13	1269	133.4	8.56	566.11	CAZ66650.1	NP_003595.1	IRS4	-	
55926209	38.16	13	207	22.9	6.70	563.68	NP_001007519.1	NP_001531.1	HSPB1	Yes (9+2/9+0)	
113205600	23.12	13	359	42.0	6.23	563.38	NP_001038003.1	NP_002058.2	GNA11	Yes (9+2/9+0)	
262072813	50.70	15	286	31.5	8.94	561.34	BAI47714.1	NP_057226.1	HSD17B12	Yes (9+0)	
146741296	5.25	11	629	65.2	8.15	560.28	BAF62303.1	NP_006112.3	KRT1	-	
228008282	28.68	11	401	45.1	4.96	559.44	BAH57697.1	NP_004148.1	PRKAR2A	Yes (9+2/9+0)	
226533691	22.85	9	407	46.1	7.55	558.96	NP_001152778.1	NP_002603.1	PDK4	-	Mitochondrion
194040622	21.21	13	627	70.2	5.38	555.27	XP_001929180.1	NP_002661.2	PLS1	-	
29027441	21.05	11	361	40.2	5.31	554.11	AAO62090.1				
194043917	13.94	12	531	58.1	5.80	554.01	XP_001925672.1	NP_000201.2	ITGA6	-	
29027457	25.27	12	364	40.6	6.25	552.77	AAO62098.1				
194042794	19.09	8	351	40.0	8.65	547.48	XP_001925861.1	NP_612366.1	CCDC109A	Yes (9+0)	
148235351	29.32	13	249	27.4	8.00	539.09	NP_001090944.1	NP_066552.2	NDUFV2	-	Mitochondrion
194044001	44.67	14	244	27.3	9.32	537.80	XP_001924675.1	NP_055177.2	HIBCH	Yes (9+0)	Mitochondrion
33468754	50.55	13	182	20.6	4.94	537.16	BAC81558.1				
18652142	23.55	13	361	40.1	5.48	536.19	AAL76974.1				
194045104	1.90	10	1839	205.2	6.09	535.46	XP_001926529.1	NP_113584.3	HUWE1	Yes (9+2/9+0)	
194044901	13.63	10	587	65.9	5.30	533.41	XP_001925971.1	NP_005023.2	PLS3	Yes (9+0)	
167001855	19.69	12	259	29.5	9.39	530.30	NP_001095290.1	NP_003850.1	DPM1	Yes (9+0)	
194042814	9.68	12	1095	118.2	7.09	530.27	XP_001928228.1	NP_004913.2	SEC24C	Yes (9+2/9+0)	
83415443	20.50	12	361	40.0	5.29	528.84	ABC17929.1				
227430407	11.86	10	489	54.4	5.82	528.79	NP_001153087.1	NP_002264.1	KRT8	-	
194043572	7.93	12	1576	175.6	5.34	527.30	XP_001927025.1	NP_005886.2	GOLGA3	Yes (9+2/9+0)	
194034542	4.43	12	1670	186.0	6.67	524.92	XP_001925806.1	NP_003248.3	TJP1	Yes (9+0)	
2036	30.92	13	249	27.7	9.14	523.84	CAA34633.1	NP_002622.2	PGD	Yes (9+0)	
94981331	7.49	12	601	67.9	9.10	522.22	ABF49559.1	YP_003024036.1	MT-ND5	-	Mitochondrion
219521966	21.38	14	421	46.9	8.53	519.76	NP_001137171.1	NP_060708.1	AGK	Yes (9+0)	Mitochondrion
112980823	29.55	11	176	20.0	4.61	518.67	ABI29193.1	NP_003397.1	YWHAZ	Yes (9+2/9+0)	
18699305	23.71	11	350	39.3	6.37	517.15	AAL78519.1				
31074212	10.91	8	605	68.3	9.04	515.54	AAAP37947.1	NP_004740.2	TBRG4	-	
29027439	23.82	11	361	40.2	6.65	515.47	AAO62089.1				
194034394	12.11	11	801	90.8	5.20	512.50	XP_001926660.1	NP_005921.2	CTAGE5	Yes (9+0)	
194041212	11.90	10	504	55.4	6.67	511.57	XP_001928031.1	NP_006832.1	SLC38A3	-	
194036047	27.20	14	397	45.5	9.14	510.59	XP_001928886.1	NP_004623.1	DAP3	Yes (Global)	Mitochondrion
194042990	10.62	12	1300	140.6	6.32	510.21	XP_001924891.1	NP_000611.1	NOS1	Yes (Global)	
194040423	28.49	11	372	39.9	9.48	510.11	XP_001929615.1	NP_055156.1	MTCH1	-	Mitochondrion
44890896	66.67	12	66	7.6	5.10	509.84	BAD12120.1	NP_001123910.1	SPTAN1	-	
194036886	16.21	9	506	53.7	8.21	509.17	XP_001927869.1	NP_000300.1	PPOX	-	Mitochondrion
162138236	5.38	10	1265	140.1	7.40	506.11	ABX82822.1	NP_006286.1	VARS	Yes (9+0)	
194037910	20.13	13	313	34.4	6.52	505.44	XP_001924223.1	NP_001834.2	CNTN1	Yes (9+0)	
194038870	13.28	10	640	70.6	8.06	505.12	XP_001928503.1	NP_004554.2	PCK2	-	Mitochondrion
178056464	11.15	9	529	60.6	6.11	505.06	NP_001116693.1	NP_000511.2	HEXA	Yes (9+0)	
194041508	12.02	11	757	84.1	5.14	502.69	XP_001924735.1	NP_006149.2	NEFL	Yes (9+0)	
194038813	19.54	12	563	63.2	5.94	501.13	XP_001924849.1	NP_057190.2	SCFD1	Yes (9+0)	
167908793	7.43	9	1184	132.2	6.93	501.09	NP_001108142.1	NP_003322.3	TYK2	-	
51507647	24.75	11	295	33.6	6.10	499.78	CAE46349.1				

47523232	11.49	11	940	107.5	6.81	498.80	NP_998969.1	NP_055129.2	DDX58	-	
164664454	27.66	14	394	43.3	8.90	497.20	NP_001106914.1	NP_006108.2	PECI	Yes (9+0)	
194037636	33.49	13	209	23.3	5.34	496.16	XP_001927984.1	NP_036322.2	ALDH1L1	-	
194033945	15.93	10	408	45.4	5.16	495.92	XP_001925536.1	NP_005038.1	PSMD5	Yes (9+0)	
194041047	26.34	10	243	27.4	7.90	495.10	NP_001926114.1	NP_004042.1	BDH1	-	Mitochondrion
194042264	43.66	14	71	8.0	9.58	494.10	XP_001924961.1	NP_005262.1	GLUD1	-	Mitochondrion
194042691	1.75	11	4346	474.5	6.32	493.34	XP_001929357.1	NP_066267.2	ANK3	Yes (9+2/9+0)	
47522708	1.27	8	864	99.0	5.35	492.02	NP_999054.1	NP_005410.1	STAT2	-	
194040694	11.16	9	251	27.4	9.91	490.95	XP_001927364.1	NP_000273.2	PCCA	Yes (9+0)	Mitochondrion
194018686	26.13	12	199	22.4	9.31	488.98	NP_001123435.1	NP_065393.1	RTN4	Yes (9+0)	
194035905	4.11	10	2411	280.1	4.98	488.97	XP_001929304.1	NP_003117.2	SPTA1	Yes (9+0)	Serum
47523446	12.37	10	1091	123.1	5.27	488.68	NP_999348.1	NP_000713.2	CACNA2D1	Yes (9+0)	
47523744	14.18	10	529	58.2	6.49	488.60	NP_999507.1	NP_005100.1	OXSRI	-	
194034149	35.32	9	218	25.2	6.40	487.99	XP_001924714.1	NP_057366.2	AK3	Yes (9+2/9+0)	Mitochondrion
89886177	33.75	14	317	35.7	6.35	481.86	NP_001034839.1	NP_002446.2	MTX1	Yes (9+0)	Mitochondrion
20378702	21.70	10	364	40.5	5.92	481.25	AAM20945.1				
147225187	14.60	13	726	80.2	6.06	478.15	CAN13319.1	NP_000535.3	TAP2	Yes (9+0)	
23598133	21.17	10	359	39.8	5.27	477.89	AAN35110.1				
194045128	10.76	12	539	61.7	7.03	477.70	XP_001927166.1	NP_060181.2	GDPD2	Yes (Global)	
211578396	22.98	8	457	50.4	8.32	475.16	NP_001129982.1	NP_066923.3	NFS1	-	Mitochondrion
29027459	20.88	10	364	40.5	6.13	472.44	AAO62099.1				
178056623	27.98	11	243	27.0	7.30	472.27	NP_001116685.1	NP_004729.1	VAPB	Yes (9+0)	
194036227	23.73	10	472	52.5	6.64	470.44	XP_001929678	NP_003935.2	SELENBP1	Yes (9+0)	
90569225	37.37	10	99	11.6	4.73	469.64	ABD94501.1	NP_001123910.1	SPTAN1	-	
45359363	33.33	12	144	15.6	8.19	468.76	AAS59066.1	NP_056195.3	SAMM50	Yes (9+0)	Mitochondrion
62867359	29.41	8	170	19.3	5.25	468.32	BAD95982.1				
178056852	14.62	12	807	91.6	7.15	465.77	NP_001116541.1	NP_001081.1	ABCF1	Yes (9+2/9+0)	
6606313	54.17	12	96	11.6	8.46	465.04	AAF19166.1	NP_001226.2	SERPINH1	Yes (9+2/9+0)	Serum
116047849	37.57	11	189	22.4	5.72	462.99	ABJ53147.1	NP_000841.1	GSTM4	-	
18652158	16.94	10	360	39.9	5.92	461.92	AAL76982.1				
194038528	16.39	9	421	46.5	6.98	459.12	XP_001929053.1	NP_006812.3	ACOT2	-	Mitochondrion
41176612	45.74	10	94	10.5	4.67	453.11	AAR99598.1	NP_068656.2	FGG	-	Serum
194036104	12.45	7	490	54.4	6.21	451.36	XP_001929411.1	NP_079483.3	FLAD1	Yes (9+0)	
56606869	77.45	11	102	11.3	4.46	450.31	AAW02819.1	NP_004915.2	ACTN4	Yes (9+2/9+0)	
194045027	27.61	9	268	29.4	9.69	449.70	XP_001926000.1	NP_940852.3	APOOL	Yes (9+0)	
157427709	7.12	8	1026	117.3	5.62	447.22	NP_001098761.1	NP_005566.2	LNPEP	-	
194038437	13.28	9	580	65.9	6.11	447.10	XP_001925608.1	NP_071919.2	MPP5	Yes (9+2/9+0)	
194037945	26.12	10	268	29.8	7.64	446.77	XP_001924443.1	NP_004323.2	BPHL	Yes (9+0)	
23598145	21.98	11	364	40.6	5.76	446.24	AAN35116.1				
194036926	14.66	11	839	93.9	5.21	444.12	XP_001925499.1	NP_060472.2	OXR1	Yes (9+0)	Mitochondrion
194036421	11.27	7	772	86.3	5.38	442.04	XP_001924396.1	NP_001007554.1	CSDE1	-	
194039309	6.76	9	1717	192.4	6.06	441.09	XP_001929249.1	NP_055595.2	CUL7	-	
29027437	23.55	10	361	40.1	5.88	440.69	AAO62088.1				
15082142	40.74	8	108	11.7	7.34	438.82	AAK84036.1	NP_000627.2	SOD2	-	Mitochondrion
194041384	9.48	9	1034	117.0	8.68	436.52	XP_001925087.1	NP_212132.2	DOCK7	Yes (9+0)	
194036512	11.26	11	613	67.5	8.43	434.60	XP_001927385.1	NP_006612.2	AHCYL1	Yes (9+2/9+0)	
113205612	27.72	11	267	30.1	6.00	432.62	NP_001038006.1	NP_006545.1	MTX2	Yes (9+0)	Mitochondrion
194038751	30.11	10	269	30.1	9.66	432.15	XP_001924288.1	NP_085134.1	SLC25A21	-	Mitochondrion
219521982	24.19	8	339	37.8	5.49	431.32	NP_001137178.1	NP_009106.1	ERLIN2	Yes (9+0)	
194037239	27.27	8	297	33.4	7.21	429.86	XP_001926338.1	NP_003303.2	TST	-	Mitochondrion
178056175	24.91	7	269	29.4	6.05	424.53	NP_001116558.1	NP_940991.1	BSG	Yes (9+0)	
194043190	35.92	11	284	33.1	9.23	424.08	XP_001928943.1	NP_003625.2	NIPSNAP1	Yes (9+0)	
47523704	8.01	7	537	60.8	8.68	421.08	NP_999484.1	NP_002750.1	EIF2AK2	-	
5835868	6.19	1	226	25.0	9.99	419.21	NP_008639.1	YP_003024031.1	MT-ATP6	-	Mitochondrion
194034883	7.50	12	973	110.1	6.01	418.16	XP_001929396.1	NP_065908.1	VPS18	Yes (9+0)	
148231223	14.12	10	524	55.1	5.66	417.36	NP_001090898.1	NP_065797.2	MAVS	-	
201066356	2.23	9	986	109.9	6.81	414.96	NP_001128439.1	NP_004429.1	EPHA4	Yes (9+0)	
194043535	27.00	6	237	25.1	9.10	411.94	XP_001927120.1	NP_116172.2	CBR4	-	
194038210	14.36	9	599	66.8	6.32	411.51	XP_001924682.1	NP_005056.3	SEL1L	-	
194044288	7.09	9	846	87.4	10.08	411.06	XP_001926148.1	NP_001036041.1	RRBP1	Yes (9+2/9+0)	
138753471	51.55	10	161	18.1	4.50	410.68	CAM59483.1	NP_006817.1	YWHAQ	Yes (9+2/9+0)	
33468744	37.57	9	181	20.7	5.25	409.24	BAC81553.1				
156601158	14.43	11	769	84.6	6.74	408.53	ABU86738.1	NP_000202.2	ITGB2	-	Serum
161511655	21.32	7	272	28.7	8.87	403.72	ABX71843.1				
194033435	4.46	9	381	41.9	8.75	403.55	XP_001926443.1	NP_149972.1	LDHAL6B	-	
194042764	7.39	6	568	63.6	9.25	403.43	XP_001928175.1	NP_003892.2	SGLP1	-	
51507653	21.02	9	295	33.5	5.31	398.86	CAE46352.1				
194038857	6.80	7	1000	109.0	4.94	396.53	XP_001925868.1	NP_078934.3	IPO4	-	
194038633	7.28	7	1017	113.3	6.44	396.03	XP_001924247.1	NP_006706.2	MAN2C1	Yes (Global)	
194043043	19.16	8	261	29.2	7.36	391.31	XP_001926931.1	NP_006808.1	ERP29	Yes (9+0)	
61097883	3.27	5	887	101.2	7.01	390.67	NP_001012974.1	NP_002638.2	PIK3C3	Yes (9+0)	
44885994	6.95	9	662	75.5	5.69	390.59	BAD11809.1	NP_002453.2	MX1	-	
194043083	33.22	8	289	32.2	5.43	390.53	XP_001928729.1	NP_055545.1	MLEC	-	
148747594	29.25	12	318	34.3	5.97	386.13	NP_001092068.1	NP_000993.1	RPLP0	-	Ribosome
178056558	16.28	9	215	23.7	8.06	385.08	NP_001116652.1	NP_004153.2	RAB5A	Yes (9+2/9+0)	
277349569	15.59	8	513	55.4	8.24	384.32	NP_001162173.1	NP_006431.2	TXNRD2	-	Mitochondrion
47522828	3.65	11	768	86.1	6.30	382.61	NP_999166.1	NP_003225.2	TFRC	-	
47523870	39.29	8	224	25.0	6.01	382.47	NP_999573.1	NP_004896.1	PRDX6	Yes (9+2/9+0)	
194044373	15.68	5	389	43.3	6.81	381.81	XP_001927122.1	NP_065392.1	C20orf3	-	
111038267	17.11	6	450	50.0	6.39	380.96	ABH03530.1	NP_002204.2	ITGB5	-	
168828757	14.40	8	361	40.0	6.19	379.20	ACA33865.1				
148747342	5.32	6	1090	120.6	5.97	375.18	NP_001092055.1	NP_003655.3	AP3B1	Yes (9+0)	
164507	17.13	7	467	51.1	7.09	374.11	AAA51295.1				Serum
47523192	12.24	6	474	52.2	7.21	373.00	NP_998993.1				Serum
194035688	13.45	8	617	68.1	8.28	372.57	XP_001924875.1	NP_001909.2	DBT	Yes (9+2)	Mitochondrion

194037951	14.55	9	378	42.5	6.57	372.53	XP_001926779.1	NP_109591.1	SERPINB1	Yes (9+2/9+0)	Serum
56606867	47.89	7	71	8.3	5.33	370.60	AAW02818.1	NP_001123477.1	ACTN1	Yes (9+2/9+0)	
194040817	3.76	10	2290	267.0	5.30	368.46	XP_001925616.1	NP_002069.2	GOLGA4	Yes (9+2/9+0)	
194043483	39.63	9	270	30.0	5.63	365.32	XP_001929673.1	NP_000745.1	COMT	Yes (9+0)	
194038248	11.49	7	653	72.7	7.12	365.32	XP_001925968.1	NP_001010854.1	TTC7B	Yes (9+0)	
156120140	6.50	6	1246	137.5	6.21	364.72	NP_001095287.1	NP_008860.4	SKIV2L	Yes (9+0)	
47523266	8.72	9	562	61.7	7.09	364.47	NP_998954.1	NP_079509.5	COASY	Yes (9+0)	
194035589	9.50	7	853	98.8	8.56	363.41	XP_001924990.1	NP_055661.3	KIAA0196	Yes (9+0)	
194033889	16.27	7	381	41.5	8.10	362.74	XP_001925382.1	NP_115679.2	HSDL2	-	
194036638	15.97	6	288	32.7	6.99	362.26	XP_001924756.1	NP_057111.1	LACTB2	-	
194039712	9.75	2	277	31.7	8.02	362.00	XP_001927184.1	NP_002824.1	PTPN9	-	
194040681	7.65	5	353	41.5	9.60	361.08	XP_001925853.1	NP_064506.3	UGGT2	-	
47523746	32.51	7	243	25.7	7.83	360.98	NP_999508.1	NP_000311.2	QDPR	Yes (9+0)	
194043067	37.00	9	327	37.5	7.94	360.79	XP_001928267.1	NP_115690.3	COQ5	-	Mitochondrion
297307135	7.52	9	944	103.1	6.28	359.74	NP_001171998	NP_061141.2	UNC45A	-	
47522844	4.21	8	1661	186.7	6.51	358.09	NP_999174.1	NP_000055.2	C3	-	Serum
47522860	24.62	8	260	27.8	8.68	357.20	NP_999184.1	NP_066284.2	DHRS4	Yes (9+0)	
62082662	7.59	8	435	49.6	6.35	355.74	AAX62160.1	NP_002094.2	GYS1	-	
194037681	3.55	5	1410	161.7	5.66	355.19	XP_001926390.1	NP_003557.2	EEA1	Yes (9+2/9+0)	
194041147	6.48	12	1065	121.8	6.11	353.09	XP_001925272.1	NP_000087.1	CP	-	Serum
194038973	25.35	9	288	32.0	7.18	353.07	XP_001929258.1	NP_000261.2	PNP	-	
194040608	20.77	7	337	39.2	8.38	352.60	XP_001928815.1	NP_001073138.1	CAB39L	-	
56417363	15.44	8	395	42.7	7.65	350.41	AAV90625.1	NP_001900.1	CTSD	-	
219522024	5.29	5	416	46.5	5.29	350.00	NP_001137199.1	NP_057626.2	MST4	-	
194036773	10.34	8	793	91.3	5.11	349.17	XP_001927795.1	NP_055785.2	KIFAP3	Yes (9+2/9+0)	
194044039	24.49	7	147	16.9	6.51	348.93	XP_001926810.1	NP_005268.1	GPM6A	Yes (9+0)	
196122275	9.32	9	1041	115.2	5.74	348.04	ACG69792.1	NP_002201.1	ITGAV	Yes (9+0)	
33468740	16.57	6	169	19.3	5.07	346.76	BAC81551.1				
194041008	13.13	6	358	40.5	6.32	346.04	XP_001926476.1	NP_057390.1	DNAJB11	Yes (9+2/9+0)	
146741286	5.65	7	1204	132.7	7.05	344.29	BAF62298.1	NP_005219.2	EGFR	-	
194045003	2.89	3	1039	116.1	6.02	342.84	XP_001926323.1	NP_002628.2	PHKA1	-	
194033668	14.86	9	592	66.7	6.13	341.99	XP_001925593.1	NP_004477.3	GOLGA2	Yes (9+2/9+0)	
194043603	36.44	10	247	28.5	5.21	341.09	XP_001924932.1	NP_919337.1	STX2	-	
5835872	7.84	8	459	51.8	9.54	340.42	NP_008643.1	YP_003024035.1	ND4	-	Mitochondrion
270289750	12.20	8	541	58.5	7.42	338.81	NP_001161887.1	NP_002970.2	SCP2	-	Mitochondrion
281324303	19.14	7	350	38.8	5.20	338.55	ADA60693.1				
47522702	16.31	7	325	36.5	6.99	337.23	NP_999055.1	NP_006057.1	AKR1A1	Yes (9+0)	
194044779	8.11	7	518	59.7	6.05	337.11	XP_001928144.1	NP_689794.1	MOSPD2	-	
62529273	9.12	6	691	74.6	5.15	336.96	AAX84942.1	NP_001741.4	CAST	-	
285818414	24.78	7	456	51.3	5.44	336.33	ADC38880.1	NP_002005.1	FKBP4	Yes (9+2/9+0)	
194043676	6.60	5	500	57.6	8.46	334.96	XP_001924701.1	NP_079415.3	ARMC9	-	
194034195	20.41	6	338	38.1	7.80	334.58	XP_001925715.1	NP_000691.1	ANXA1	Yes (9+2/9+0)	
194033835	26.32	8	247	28.5	9.31	333.29	XP_001925026.1	NP_056284.1	NIPSNAP3A	Yes (9+0)	
194035833	8.74	9	709	78.6	6.09	331.52	XP_001928821.1	NP_056146.1	NCSTN	-	
194042282	10.39	9	356	38.3	10.26	329.19	XP_001925311.1	NP_005262.1	GLUD1	-	Mitochondrion
197251936	20.27	8	370	41.6	8.18	328.60	NP_001127827.1	NP_006400.2	ARPC1A	Yes (9+0)	
51493747	14.11	5	326	35.6	8.82	325.84	AAU04861.1	NP_001957.2	EHHADH	-	
194036667	6.94	6	591	65.3	8.51	325.61	XP_001926336.1	NP_037389.4	SGK3	-	
47523060	9.78	6	511	57.6	6.27	324.34	NP_999293.1	NP_005596.2	PPP3CA	Yes (9+2/9+0)	
47523430	2.63	7	1367	154.9	5.86	323.59	NP_999337.1	NP_000866.1	IGF1R	-	
194043996	8.94	6	414	45.1	8.78	322.77	XP_001925935.1	NP_071748.2	OSGEPL1	-	
194041049	13.50	7	637	69.6	5.90	321.82	XP_001926202.1	NP_004078.2	DLG1	Yes (9+2/9+0)	
213021239	10.67	7	506	55.1	6.55	321.09	NP_001132942.1	NP_067017.2	SLC30A1	-	
45268993	26.97	7	304	33.9	7.06	321.04	AAS55909.1	NP_006301.3	NPEPPS	Yes (9+0)	
194044826	14.22	7	415	47.9	8.82	320.96	XP_001927474.1	NP_001135858.1	PDK3	Yes (9+0)	Mitochondrion
194038457	27.53	7	316	34.9	9.07	317.72	XP_001928802.1	NP_057110.3	RDH11	Yes (9+0)	
509403	10.77	8	427	48.7	5.58	317.12	CAA84355.1	NP_005795.2	DDX39	-	
16506695	3.17	9	2300	252.4	6.14	315.60	AAL23907.1	NP_000867.2	IGF2R	-	
48675951	7.93	8	555	62.7	6.49	314.87	NP_001001641.1	NP_001970.2	EPHX2	-	
262204898	7.75	6	581	65.9	6.29	314.80	BAI48029.1	NP_000886.1	LTA4H	Yes (9+0)	
47523714	9.68	7	620	67.6	6.49	314.11	NP_999490.1	NP_620124.1	RHOT2	Yes (9+0)	Mitochondrion
194041915	3.01	6	1861	206.5	5.80	313.34	XP_001928428.1	NP_004184.1	GBF1	Yes (9+0)	
7108677	32.26	7	124	14.2	4.94	312.17	AAF36511.1	NP_003325.2	UBA1	-	
194044822	18.75	4	272	30.5	6.44	312.10	XP_001927404.1	NP_006397.1	PRDX4	Yes (9+2/9+0)	
194041043	19.25	7	187	20.6	10.59	311.32	XP_001926007.1	NP_976060.1	BDH1	-	Mitochondrion
262204920	23.93	7	280	29.8	6.52	310.87	BAI48040.1	NP_060911.2	PECR	-	
6007614	4.50	6	622	68.7	8.62	310.62	AAF00977.1	NP_003031.3	SLC4A2	-	
117606675	7.08	5	226	25.0	8.88	310.31	ABK41958.1	NP_003042.3	SLC16A1	Yes (9+0)	
119663043	34.17	5	120	13.0	7.08	310.18	CAJ54466.1			-	Serum
194038349	9.12	2	351	38.2	6.46	309.83	XP_001926466	NP_001076.2	SERPINA3	-	Serum
194033453	9.93	5	443	50.4	8.12	308.72	XP_001929253.1	NP_060379.2	RMND1	Yes (Global)	
194042948	18.38	7	272	31.8	7.28	305.51	XP_001929498.1	NP_001035196.1	HVCN1	-	
194037091	7.69	8	533	59.6	5.83	304.72	XP_001927203.1	NP_003900.1	CPNE3	-	
194037904	21.43	7	224	25.4	8.75	304.20	XP_001927215.1	NP_001687.1	ATP6V1E1	Yes (9+2/9+0)	
194040683	8.79	6	762	87.3	5.49	303.14	XP_001925875.1	NP_064506.3	UGGT2	-	
194038408	33.49	6	209	22.9	5.59	300.66	XP_001924364.1	NP_056255.2	MTHFD1L	-	Mitochondrion
194035680	2.67	9	487	56.6	6.60	300.51	XP_001925424.1	NP_001559.1	EIF3E	Yes (9+0)	
194038347	5.91	2	423	46.6	6.21	300.11	XP_001928637.1	NP_001076.2	SERPINA3	-	Serum
194033616	6.89	6	842	91.8	6.52	300.05	XP_001924749.1	NP_073744.2	FAM129B	-	
194033565	7.40	6	838	95.2	5.17	299.77	XP_001927144.1	NP_036329.3	RABGAP1	-	
194037798	10.14	9	483	53.0	5.83	298.64	XP_001925480.1	NP_055617.1	KIAA0528	Yes (9+0)	
160333742	7.92	8	240	26.4	4.55	297.80	NP_001103895.1	NP_055695.2	CD302	-	
194041767	5.00	9	580	63.3	7.83	297.65	XP_001927663.1	NP_056446.4	TCTN3	Yes (9+0)	
21914408	11.50	7	226	25.1	7.52	297.18	AAM81376.1	NP_001760.1	CD9	-	
285818454	7.09	7	875	98.5	6.71	296.80	ADC38900.1	NP_061878.3	MIOS	-	

112292697	14.96	8	361	40.3	6.37	296.08	ABI14828.1						
150251019	22.87	4	223	25.3	8.40	293.71	ABR67998.1	NP_037542.1	AK4	-		Mitochondrion	
210062464	20.06	5	314	34.3	6.62	293.21	ABY85807.2					Serum	
194034135	5.19	4	905	100.2	7.34	293.02	XP_001924252.1	NP_079172.2	ERMP1	Yes (Global)			
194038835	24.49	7	294	31.2	9.01	292.75	XP_001926763.1	NP_064580.2	SDR39U1	-			
194038897	5.51	5	363	40.7	8.13	289.66	XP_001924450.1	NP_036376.2	SLC7A8	-			
47522786	12.60	6	508	56.9	7.88	286.80	NP_999145.1	NP_006750.3	UGP2	Yes (9+0)			
194038584	7.11	7	985	107.4	5.92	286.53	XP_001926782.1	NP_149107.4	NEK9	-			
47522960	9.34	6	289	31.7	7.69	286.28	NP_999238.1	NP_001748.1	CBR1	Yes (9+0)			
194044583	10.73	6	662	72.9	8.31	286.14	XP_001925939.1	NP_065069.1	RALGAPB	-			
194035955	1.97	6	1570	173.2	5.66	286.12	XP_001927750.1	NP_937879.1	ARHGEF11	Yes (9+0)			
55742658	2.01	7	3139	344.6	6.39	286.01	NP_999129.1	NP_002102.4	HDH	-			
148224365	21.69	5	272	30.6	6.01	283.88	NP_001090922.1	NP_004921.1	CAPZB	Yes (9+0)			
1907268	34.07	8	226	25.5	7.75	278.87	CAA62960.1	NP_001096137.1	PSMA4	Yes (9+0)			
194037792	12.93	4	348	39.1	5.25	278.48	XP_001925124.1	NP_005495.2	BCAT1	Yes (9+0)			
168208446	14.96	8	361	40.6	5.99	278.30	ACA21808.1						
212549623	13.05	5	406	47.0	5.38	278.15	NP_001131101.1	NP_055866.1	ERP44	-			
72535208	9.62	8	707	80.7	8.00	277.88	NP_001026966.1	NP_058197.2	OAS2	-		Mitochondrion	
194041831	11.00	5	582	63.2	8.09	277.85	XP_001929210.1	NP_116098.2	PYROXD2	-			
194042130	6.33	7	458	50.3	10.17	277.70	XP_001927430.1	NP_998814.1	SFXN4	-		Mitochondrion	
80971504	14.92	5	295	32.9	4.87	277.61	NP_001032223.1	NP_001012321.1	RPSA	Yes (9+2)		Ribosome	
194038415	7.40	5	933	100.8	6.74	277.08	XP_001924552.1	NP_005947.3	MTHFD1	Yes (9+2/9+0)			
194035052	16.76	3	173	19.9	9.28	276.53	XP_001929064.1	NP_057614.1	RAB8B	Yes (9+2/9+0)			
37787313	16.25	5	480	51.5	6.09	275.98	AAP69607.1	NP_660202.3	NAPRT1	-			
194038611	30.15	5	199	22.0	7.14	274.20	XP_001926158.1	NP_665877.1	GSTZ1	-			
164023822	12.40	5	250	29.5	10.67	274.10	NP_001106688.1	NP_000962.2	RPL7	-		Ribosome	
194044571	8.12	4	542	60.1	7.42	273.25	XP_001928649.1	NP_005408.1	SRC	Yes (9+2/9+0)			
281324325	12.19	6	361	40.1	5.92	272.57	ADA60704.1						
194040771	7.40	5	919	100.5	6.70	272.43	XP_001926328.1	NP_001001486.1	ATP2C1	Yes (9+2/9+0)			
121483580	12.26	7	514	59.7	6.24	272.36	ABM54178.1	NP_001367.2	DYNC1H1	Yes (9+2/9+0)			
147903595	18.18	5	286	33.0	5.85	271.55	NP_001090924.1	NP_006126.1	CAPZA1	Yes (9+0)			
194043375	15.49	5	284	33.3	6.65	271.03	XP_001929544.1	NP_002737.2	MAPK3	Yes (9+2/9+0)			
194040283	11.24	6	694	79.1	5.97	269.32	XP_001925428.1	NP_072047.4	VPS52	Yes (9+0)			
153791794	1.52	5	2177	250.6	8.62	265.71	NP_001093398.1	NP_000251.3	MYO7A	Yes (9+2/9+0)			
194037982	15.66	4	249	27.4	6.23	265.13	XP_001925942.1	NP_110437.2	TXNDC5	Yes (9+0)			
194041367	5.14	4	798	85.9	8.32	264.22	XP_001924516.1	NP_037468.1	SEC61A1	Yes (9+0)			
194042025	6.78	6	826	93.5	7.72	262.44	XP_001927910.1	NP_065969.3	GPAM	Yes (9+0)		Mitochondrion	
195539478	7.58	5	871	98.2	7.50	261.61	NP_001124201.1	NP_067638.3	TRPV4	-			
194035155	7.10	6	873	99.5	8.57	261.14	XP_001925514.1	NP_009145.1	SEC63	Yes (9+0)			
194034987	24.86	5	185	20.4	5.27	260.98	XP_001926469.1	NP_001073936.1	MYO5B	Yes (9+0)			
194041118	13.37	5	374	41.8	7.37	259.38	XP_001926115.1	NP_064576.1	MRPS22	-		Mitochondrion	
194040827	20.92	7	325	34.2	8.94	258.25	XP_001925834.1	NP_031361.2	DLEC1	-			
47522662	17.01	6	194	21.6	4.70	257.61	NP_999076.1	NP_006658.1	PGRMC1	Yes (9+0)			
3746944	31.85	7	135	15.1	5.01	257.49	AAC64130.1	NP_002624.2	PGM1	Yes (9+2/9+0)			
194042214	5.80	5	345	37.1	9.89	256.87	XP_001927462.1	NP_055209.2	GHITM	Yes (9+0)			
158518476	23.19	7	332	36.8	8.60	256.69	NP_001103527.1	NP_036371.1	SIRT3	-		Mitochondrion	
56711366	20.77	6	260	29.4	7.85	256.56	NP_001008688.1	NP_005172.1	CA3	-			
194037724	6.76	6	710	80.5	9.06	255.98	XP_001928177.1	NP_059136.2	MDM1	Yes (9+0)			
47523632	13.39	7	239	27.3	5.57	255.20	NP_999444.1	NP_002809.2	PSME2	-			
112980817	17.54	6	211	24.6	11.18	254.76	ABI29190.1	NP_000959.2	RPL4	-		Ribosome	
194043670	7.04	3	341	39.9	6.89	253.75	XP_001924776.1	NP_057373.1	CAB39	-			
262272069	6.97	3	445	51.5	6.93	253.74	NP_001160145.1	NP_003809.1	CDS2	Yes (9+0)		Mitochondrion	
194038961	17.59	6	216	24.2	7.39	251.36	XP_001929102.1	NP_116235.2	RAB2B	Yes (9+2/9+0)			
68132074	47.11	4	121	13.7	6.77	250.17	AAY85303.1	NP_055040.2	PPP2R1A	Yes (9+2/9+0)			
23598087	14.20	7	169	18.8	8.65	249.97	AAN35094.1						
194041927	14.41	5	236	26.7	8.07	248.31	XP_001925933.1	NP_005727.1	ACTR1A	Yes (9+2/9+0)			
194034199	17.34	6	248	27.6	5.44	247.81	XP_001928042.1	NP_002779.1	PSMA3	Yes (9+0)			
29888113	10.20	4	255	28.1	5.71	246.23	AAP03004.1						
162138213	6.27	3	558	62.9	8.25	245.96	ABX82812.1	NP_066983.1	BAT5	-			
194036686	14.08	3	206	21.6	8.47	245.82	XP_001926083.1	NP_001158228.1	ASPH	-			
47523420	6.87	5	335	36.5	6.77	245.53	NP_999331.1	NP_055290.1	DHDH	-			
22651586	14.49	4	276	31.8	8.66	245.25	AAMO1192.1	NP_002728.1	PRKCA	Yes (9+2/9+0)			
47523694	6.02	4	266	28.1	5.20	245.01	NP_999483	NP_001003962.1	CAPNS1	Yes (9+2/9+0)			
194042938	1.33	7	676	79.5	8.73	243.66	XP_001929381.1	NP_001137251.1	IFT81	Yes (9+2/9+0)			
194036695	9.06	4	298	31.7	9.70	243.36	XP_001926739.1	NP_002856.1	RAB2A	Yes (9+2/9+0)			
194038538	12.58	6	469	50.6	7.47	242.73	XP_001929141.1	NP_872282.1	COQ6	-		Mitochondrion	
194040293	19.62	7	423	45.1	6.80	242.36	XP_001925503.1	NP_003181.3	TAPBP	-			
194044054	18.06	8	227	26.0	6.90	242.23	XP_001924754.1	NP_699174.1	ENPP6	-			
47522874	17.11	5	380	42.9	5.35	242.20	NP_999191.1	NP_002725.1	PRKAR1A	Yes (9+2/9+0)			
47523668	21.94	7	155	17.6	9.66	241.81	NP_999465.1	NP_665735.1	MGST1	-		Mitochondrion	
194036345	9.17	6	763	87.1	5.71	240.72	XP_001926313.1	NP_001002811.1	PDE4DIP	Yes (9+2/9+0)			
50604627	8.20	5	683	75.9	7.69	238.92	AAT79534.1	NP_001986.2	ACSL1	-		Mitochondrion	
194044904	2.19	1	411	44.9	6.42	238.77	XP_001926493.1	NP_001116078.1	LAMP2	-			
38569737	2.40	5	1418	161.0	6.34	237.37	AAR24388.1	NP_001009567.1	MRC1L1	-			
13569571	20.97	4	267	30.0	5.38	237.31	AAK31151.1	NP_002600.1	PDGFRB	Yes (9+0)			
194044500	8.38	4	489	53.9	5.49	237.20	XP_001929362.1	NP_000169.1	GSS	-			
2970693	4.92	4	996	114.9	7.65	237.20	AAC06039.1	NP_002218.2	JAK1	-			
154147607	9.57	6	700	79.8	4.98	236.40	NP_001093658.1	NP_001739.2	CAPN2	Yes (9+2/9+0)			
212549619	14.53	6	468	54.2	6.15	236.32	NP_001131099.1	NP_055399.1	ERO1L	-			
194036298	3.91	4	742	82.6	5.57	234.34	XP_001926797.1	NP_055664.3	SV2A	Yes (9+0)			
194044996	19.19	5	198	22.2	9.92	234.08	XP_001928223.1	NP_000998.1	RPS4X	Yes (9+0)		Ribosome	
157427738	13.23	6	310	33.6	8.43	233.33	NP_001098778.1	NP_036373.1	SIRT5	-			
194036543	9.14	5	514	58.6	6.71	233.09	XP_001925705.1	NP_006504.2	SARS	Yes (9+0)			
29335683	26.27	6	118	13.8	4.55	232.64	CAD83090.1	NP_002046.1	GFAP	Yes (9+0)			
194042568	5.97	6	670	73.1	5.76	231.89	XP_001924892.1	NP_005637.3	TARBP1	-			

47522728	4.14	5	1086	120.7	6.57	231.30	NP_999114.1	NP_005063.1	SLC12A4	-	
298160993	7.28	3	151	16.5	6.76	231.20	NP_001177169	NP_005267.2	GPD1	Yes (9+2)	
194041396	16.91	6	207	22.2	9.26	230.84	XP_001928827.1	NP_001689.1	AUH	-	Mitochondrion
194036727	7.07	5	580	64.2	5.69	230.33	XP_001926285.1	NP_002341.1	LYN	-	
113205780	17.58	5	330	35.2	8.15	229.97	NP_001038049.1	NP_001880.2	CRYZ	Yes (9+0)	
194035496	3.76	4	691	75.6	6.49	229.46	XP_001925284.1	NP_079527.1	ARHGAP39	-	
194042639	2.43	1	535	57.8	9.35	229.35	XP_001925518.1	NP_004569.2	RAB4A	Yes (9+2/9+0)	
194042006	7.18	7	599	67.1	5.82	227.59	XP_001924595.1	NP_065116.3	XPNPEP1	-	
1916278	51.95	5	77	8.7	7.12	226.22	AAB51264.1	NP_000500.2	FGG	-	Serum
1839512	10.34	3	174	19.1	5.43	225.50	AAB47132.1	NP_001093422.2	ITPR1	-	
54020970	3.92	2	536	59.8	7.94	224.41	NP_001005730.1	NP_001005750.1	GBA	-	
164664472	7.14	4	602	69.9	8.18	224.04	NP_001106922.1	NP_006236.1	PPP2R5D	Yes (9+0)	
194037976	13.37	3	344	38.1	6.30	222.45	XP_001925820.1	NP_110437.2	TXNDC5	Yes (9+0)	
194038855	6.03	2	348	37.9	7.24	221.58	XP_001928049.1	NP_057660.2	GMFR2	-	
294489384	5.93	6	894	99.4	8.48	221.56	NP_001170960.1	NP_064504.2	ZC3HAV1	-	
116175265	10.03	4	299	33.1	5.90	221.32	NP_001070688.1	NP_690608.1	RGN	-	
162952052	12.84	6	623	67.8	7.49	221.04	NP_001106151.1	NP_001055.1	TKT	Yes (9+0)	
194035236	3.54	5	508	55.9	6.98	219.82	XP_001924454.1	NP_056414.1	PGM3	-	
4538854	9.25	5	465	54.2	6.76	219.67	CAB39532.1	NP_998784.1	ATP6V1H	Yes (9+0)	
166236027	19.69	4	320	35.0	6.70	219.62	ABY85805.1			-	Serum
194036794	23.62	3	127	14.2	10.43	217.65	XP_001928685.1	NP_001137146.1	BRP44	-	
198282001	10.57	5	246	28.7	9.60	217.65	NP_001123683.1	NP_003192.1	TFAM	-	Mitochondrion
17062056	43.59	4	78	9.1	4.60	217.20	AAL34983.1	NP_002046.1	GFAP	Yes (9+0)	
194036318	7.34	5	259	28.4	9.74	214.57	XP_001928004.1	NP_003837.1	PEX11B	Yes (9+0)	
219521974	3.35	7	537	59.0	5.71	213.66	NP_001137175.1	NP_003906.2	CPNE1	-	
49274615	4.72	5	784	86.5	5.54	213.28	NP_001001860.1	NP_001005333.1	MAGED1	-	
47522862	2.80	4	1214	133.4	5.83	212.38	NP_999185.1	NP_001954.2	EGF	-	Serum
113205774	7.40	5	770	88.0	6.30	211.09	NP_001038045.1	NP_003141.2	STAT3	Yes (9+0)	
194036835	4.36	4	596	64.7	8.28	210.80	NP_001924895.1	NP_000687.3	ALDH9A1	-	
194043696	1.02	3	2357	257.7	6.76	210.75	XP_001925648.1	NP_060688.1	USP40	-	
82465299	11.38	2	167	17.7	9.38	210.70	CAJ43431.1	NP_001104026.1	FLNA	Yes (9+0)	
194037093	6.05	4	314	35.7	8.16	210.58	XP_001927382.1	NP_057117.2	FAM82B	Yes (9+0)	
21636588	53.33	5	45	5.0	8.73	210.31	AAM70051.1	NP_001001973.1	ATP5C1	-	Mitochondrion
194043873	10.61	3	179	20.5	10.23	210.20	XP_001926172.1	NP_075066.1	MRPL44	-	Mitochondrion
194041813	4.18	3	479	54.0	8.24	209.70	XP_001929069.1	NP_060895.1	PI4K2A	-	
47522666	14.21	4	373	42.0	6.74	207.95	NP_999074.1	NP_001028216.1	GLUL	Yes (9+0)	
194033839	12.50	3	248	28.7	9.28	207.59	XP_001925441.1	NP_056284.1	NIPSNAP3A	Yes (9+0)	
22770997	11.25	4	480	52.9	6.18	207.48	AAN06824.1	NP_001087240.1	TXNRD1	Yes (Global)	
194040465	10.21	3	421	48.1	7.71	206.14	XP_001927489.1	NP_005923.2	MIPEP	-	Mitochondrion
194033672	2.59	3	810	94.0	7.94	206.04	XP_001928885.1	NP_062540.2	LRRC8A	Yes (9+2/9+0)	
226372953	12.17	4	493	54.6	6.48	202.92	NP_001139772.1	NP_003079.1	FSCN1	Yes (9+0)	
562016	23.92	5	209	24.0	6.23	202.31	AAA82036.1	NP_006487.1	GNAI3	Yes (9+2/9+0)	
194038861	2.61	3	1073	119.7	6.67	201.56	XP_001928270.1	NP_060469.4	RNF31	-	
89886173	3.82	5	1046	116.8	6.70	200.58	NP_001034837.1	NP_858058.1	OGT	Yes (9+2/9+0)	
194042883	3.85	4	1118	124.9	6.89	199.64	XP_001925813.1	NP_003950.1	HIP1R	Yes (9+0)	
194040517	4.05	4	1210	137.9	8.84	199.59	XP_001928098.1	NP_075463.2	FRY	Yes (9+0)	
5835864	7.49	5	347	39.0	9.76	199.10	NP_008635.1	YP_002124303.1	ND2	-	
89574001	14.21	5	359	40.5	6.86	198.46	ABD77226.1	NP_005887.2	IDH1	Yes (9+0)	
58801555	7.41	4	432	47.7	6.29	198.17	NP_001011727.1	NP_000678.1	AHCY	Yes (9+2/9+0)	
194037016	4.12	2	582	63.9	9.25	197.62	XP_001929151.1	NP_848927.2	MTDH	Yes (9+0)	
194036565	10.97	6	556	62.7	5.58	197.39	XP_001927252.1	NP_001041675.1	CLCC1	-	
163310773	18.39	4	223	23.8	4.88	196.46	NP_001090990.2	NP_006311.2	PGRMC2	Yes (9+0)	
219382684	21.17	4	222	25.9	6.71	196.07	ACL14180.1	NP_002531.3	ODF2	Yes (9+2/9+0)	
158635942	10.80	5	398	45.7	7.31	195.73	NP_001098775.1	NP_003253.1	SEC62	-	
194041066	5.43	3	405	44.2	6.67	194.57	XP_001929024.1	NP_002204.2	ITGB5	-	
47523544	1.78	3	1746	191.3	5.15	193.92	NP_999395.1	NP_002151.2	TNC	Yes (9+0)	
194034795	17.26	5	168	18.3	9.63	193.79	XP_001924712.1	NP_067022.1	SQRDL	-	Mitochondrion
41688313	5.97	4	771	86.5	5.41	193.64	BAD08664.1	NP_078789.2	FYCO1	Yes (9+2/9+0)	
164708	14.12	3	255	28.7	7.55	190.52	AAA31133.1	NP_066289.2	UBC	Yes (9+2/9+0)	
194033405	16.12	5	397	41.3	7.43	189.35	XP_001928380.1	NP_005882.2	ACAT2	-	
194044820	8.16	2	245	28.1	6.54	188.84	XP_001926441.1	NP_001028755.2	ACOT9	-	Mitochondrion
343072	40.00	7	25	3.0	10.17	187.70	AAA32030.1	YP_003024030.1	MT-ATP8	-	Mitochondrion
194035700	9.91	3	222	25.8	6.64	187.34	XP_001925233.1	NP_000635.2	AGL	-	
148747492	3.89	3	642	65.8	7.52	187.30	NP_001092053.1	NP_000414.2	KRT2	-	
194044290	5.94	3	387	44.9	7.09	185.26	XP_001926522.1	NP_055241.1	SNX5	-	
153012290	5.23	5	153	16.9	9.58	184.77	ABS50358.1	NP_006507.2	SLC2A1	Yes (9+0)	
194035029	3.73	2	429	49.4	8.84	184.76	XP_001927058.1	NP_071331.2	CSNK1G1	Yes (9+2/9+0)	
195562223	10.67	3	300	34.3	7.36	184.67	ACG50182.1	NP_690601.1	ARPC2	-	
194044003	8.57	2	140	15.8	4.88	183.66	XP_001924740.1	NP_002185.1	INPP1	Yes (9+0)	
194035562	1.75	6	1085	120.3	7.42	183.43	XP_001924570.1	NP_060952.2	ASAP1	-	
47523636	3.16	3	1234	138.5	6.68	182.40	NP_999446.1	NP_000177.2	CFH	Yes (9+0)	Serum
194037514	1.85	3	594	65.4	5.06	181.08	XP_001927687.1	NP_001973.2	ERBB3	-	
194035979	13.43	2	216	24.8	9.44	181.02	XP_001924915.1	NP_078816.2	MRPL24	-	Mitochondrion
194034342	4.79	5	605	68.0	5.82	180.78	XP_001926644.1	NP_060264.3	KIAA1797	-	
190360653	6.49	3	262	29.6	8.78	180.40	NP_001121932.1	NP_001073941.1	FITM2	-	
194041404	8.45	4	485	53.9	6.28	179.59	XP_001926450.1	NP_006406.1	SPTLC1	Yes (Global)	
194044361	15.44	5	298	33.4	5.47	178.92	XP_001928328.1	NP_071363.1	NAPB	Yes (9+2/9+0)	
194034043	7.93	3	353	38.2	8.62	178.59	XP_001925894.1	NP_036335.1	GRHPR	Yes (9+0)	
194042090	5.56	4	665	74.0	8.43	178.56	XP_001925646.1	NP_079291.2	HSPA12A	Yes (9+0)	
297591961	2.12	4	614	69.4	7.72	178.07	NP_001172069	NP_055051.1	GNPAT	Yes (9+0)	
22774002	5.55	3	541	58.2	6.54	177.54	AAN07167.1			-	Serum
194044496	2.57	4	662	70.5	5.12	177.09	XP_001929330.1	NP_821158.2	GGT7	-	
531145	35.14	2	37	4.2	9.32	175.73	AAA20914.1	NP_002464.1	MYH9	Yes (9+2/9+0)	
194035678	14.14	4	290	33.1	9.35	175.65	XP_001925316.1	NP_055488.1	TTC35	Yes (9+0)	
1839510	28.03	4	132	14.8	5.78	175.43	AAB47131.1	NP_001093422.2	ITPR1	-	

114326179	10.11	4	188	21.5	9.52	174.52	NP_001041538.1	NP_006398.1	ARL6IP5	-	
194042148	4.55	4	1078	119.6	5.78	172.81	XP_001927517.1	NP_009121.1	SEC23IP	Yes (9+0)	
194041120	2.67	3	1125	126.6	5.60	172.37	XP_001926139.1	NP_004757.1	COPB2	Yes (9+2/9+0)	
147223350	7.51	5	892	94.1	7.08	171.03	CAN13170.1	NP_000278.3	PEX6	-	
41688291	20.81	3	149	16.8	5.54	170.70	BAD08645.1	NP_078789.2	FYCO1	Yes (9+2/9+0)	
264681474	7.48	2	361	40.5	8.27	170.32	NP_001161108.1	NP_057006.1	NSDHL	-	
194040306	1.05	5	855	94.0	8.62	170.19	XP_001925606.1	NP_006763.2	SYNGAP1	-	
194038431	14.68	5	361	38.8	5.38	169.67	XP_001925486.1	NP_001019389.1	GPHN	Yes (9+0)	
194044250	2.49	3	1124	128.1	6.10	168.82	XP_001926187.1	NP_056007.1	PLCB1	-	
194038715	2.78	3	1223	133.9	6.43	168.34	XP_001926127.1	NP_002490.2	NEO1	Yes (9+0)	
7288152	18.09	3	282	31.4	7.23	168.31	BAA92850.1	NP_001975.1	ESD	-	
194037864	13.90	4	259	28.4	7.44	168.28	XP_001925656.1	NP_057403.1	COP57A	Yes (9+0)	
45359365	18.85	3	122	13.5	5.02	167.51	AAS59067.1	NP_056255.2	MTHFD1L	-	Mitochondrion
47523914	5.17	2	503	56.8	8.12	165.81	NP_999597.1	NP_000777.1	CYP51A1	Yes (Global)	
82542245	3.33	3	751	84.7	4.81	165.75	ABB82034.1	NP_958817.1	APP	-	
89275684	6.08	3	296	33.4	5.97	165.69	ABD66221.1	NP_000055.2	C3	-	Serum
194044632	3.93	3	610	67.7	9.07	165.19	XP_001927442.1	NP_001118228.1	PABPC1L	-	
194034444	9.35	2	278	31.6	4.89	165.15	XP_001928284.1	NP_110382.3	TMX1	-	
194042750	7.54	3	398	43.6	8.53	164.69	XP_001925115.1	NP_066952.1	PPA1	Yes (9+0)	
47523688	7.63	4	249	28.7	7.28	164.68	NP_999476.1	NP_000793.1	FOLR1	-	
194035526	2.24	3	1117	124.2	6.49	163.95	XP_001926231.1	NP_113654.4	TRAPPC9	-	
194043481	4.06	2	961	104.2	6.79	163.33	XP_001929677.1	NP_001661.1	ARVCF	Yes (9+2/9+0)	
21229475	8.92	2	157	17.8	9.47	163.19	AAL40813.2	NP_002047.2	GFPT1	-	
194042820	1.58	2	1841	197.9	6.86	163.08	XP_001928205.1	NP_055852.2	KIAA0913	-	
194037790	8.35	5	395	44.3	6.98	162.79	XP_001925095.1	NP_005495.2	BCAT1	Yes (9+0)	
148226851	12.50	4	88	10.3	9.95	162.45	NP_001090933.1	NP_001003713.1	ATP5J2	-	Mitochondrion
194038274	1.65	3	1942	223.4	5.34	161.74	XP_001926860.1	NP_004230.2	TRIP11	-	
114199061	31.00	4	100	10.8	5.36	161.21	ABI54124.1			-	Serum
195182334	29.27	4	82	9.3	5.36	161.15	CAQ34911.1	NP_000199.2	INSR	-	
194038475	2.62	2	496	56.2	8.54	160.52	XP_001925531.1	NP_060669.1	EXD2	-	
194045011	1.86	3	753	82.6	9.38	159.75	XP_001928754.1	NP_004290.2	ABCB7	-	Mitochondrion
1754491	8.76	3	388	43.9	5.67	159.73	BAA09616.1	NP_000629.3	VTN	Yes (9+0)	Serum
4995880	7.57	4	317	35.3	9.09	159.60	CAB44278.1	NP_002299.2	LGALS9	-	
9968805	8.44	2	225	25.6	7.49	159.02	CAC06755.1	NP_001076.2	SERPINA3	-	Serum
194040853	10.98	3	255	29.4	6.46	158.84	XP_001926855.1	NP_065080.1	LZTFL1	-	
194040344	2.81	3	1102	120.5	6.33	158.15	XP_001926579.1	NP_056060.2	ANKS1A	Yes (9+2/9+0)	
194043541	1.41	2	1704	195.9	7.85	156.93	XP_001927668.1	NP_060101.3	DDX60	-	
47522710	2.28	1	659	73.2	6.92	156.69	NP_999050.1	NP_005898.2	MAN1A1	-	
194043164	2.01	4	2191	238.5	7.58	156.60	XP_001925559.1	NP_001138890.1	TTC28	-	
154147577	2.54	3	1023	115.8	5.66	154.45	NP_001093664.1	NP_071451.2	IFIH1	-	
189086693	30.86	2	81	9.8	5.06	154.06	ACD75764.1	NP_000104.1	TOR1A	-	
67518138	2.22	2	1172	129.0	5.59	153.66	AAY68305.1	NP_002200.2	ITGAL	-	
194035295	5.46	4	623	69.5	8.59	153.05	XP_001927626.1	NP_006363.4	SYNCRIP	Yes (9+0)	
42742504	32.73	2	55	6.2	9.36	153.02	AAS45280.1	NP_004353.1	CLGN	-	
194043781	33.87	3	124	13.8	7.34	152.45	XP_001928708.1	NP_005887.2	IDH1	Yes (9+0)	
78172717	6.11	4	737	79.6	8.59	151.79	ABB29449.1	NP_000584.2	TAP1	Yes (9+0)	
194042618	3.66	3	929	102.9	8.06	150.39	XP_001924673.1	NP_031383.1	COG2	Yes (9+0)	
47523866	10.53	4	342	37.8	6.80	150.28	NP_999571.1	NP_620156.1	GALM	-	
47522764	2.76	3	798	88.2	5.47	150.08	NP_999133.1	NP_391988.1	ITGB1	-	
194041371	11.15	3	278	30.7	6.24	149.19	XP_001924646.1	NP_003698.1	RUVBL1	Yes (9+0)	
194039792	1.83	4	438	47.7	11.28	148.97	XP_001926215.1	NP_066408.1	HIST1H2AG	-	
213021241	10.16	2	246	27.4	6.76	148.69	NP_001132944.1	NP_002782.1	PSMA6	Yes (9+0)	
47523644	4.64	3	732	81.2	5.55	148.57	NP_999088.1	NP_001631.3	APEH	Yes (Global)	
194038586	5.02	3	219	24.9	6.42	148.44	XP_001926746.1	NP_006818.3	TMED10	Yes (9+0)	
1399282	24.44	4	135	15.0	9.03	148.22	AAB03248.1	NP_000185.1	HPRT1	Yes (9+0)	
165973438	7.81	2	192	20.4	10.59	147.86	NP_001107173.1	NP_543011.2	C20orf108	-	
194038351	3.78	1	423	47.0	7.17	147.83	XP_001928857.1	NP_001076.2	SERPINA3	-	Serum
194035082	5.74	3	505	56.8	6.77	147.38	XP_001926297.1	NP_004989.2	MYO1E	-	
194034056	5.42	2	517	57.4	6.61	147.07	XP_001924254.1	NP_000683.3	ALDH1B1	-	Mitochondrion
157043065	1.09	1	829	93.1	5.82	145.95	ABV02066.1	NP_003174.3	ADAM17	-	
104295129	6.01	4	383	42.9	4.86	145.33	ABF72034.1	NP_777283.1	AK5	-	
38230151	18.35	1	109	12.0	5.76	145.29	AAR14175.1	NP_000025.1	ALDOA	Yes (9+2/9+0)	
194035516	5.17	2	580	66.2	9.07	145.05	XP_001927718	NP_777582.3	ADCK5	-	
194041877	4.93	3	203	23.2	8.82	144.17	XP_001926760.1	NP_056263.1	DPCD	-	
194043202	4.44	2	743	84.6	5.20	144.14	XP_001926499.1	NP_115580.2	ASCC2	-	
172072661	3.37	2	505	55.2	7.23	143.54	NP_001116458.1	NP_055121.1	C22orf28	Yes (9+0)	
47523562	3.25	2	338	37.9	7.42	143.19	NP_999410	NP_004857.4	SCAMP1	Yes (9+0)	
194037756	12.16	3	222	24.1	7.94	141.61	XP_001925094.1	NP_055814.1	RAB21	Yes (9+2/9+0)	
190360623	2.65	2	980	109.4	6.46	141.10	NP_001121934.1	NP_056392.2	RAI14	-	
194035181	5.91	4	423	47.5	6.98	140.95	XP_001925325.1	NP_003071.2	SMPD2	-	
194041204	3.94	2	660	73.5	7.14	139.68	XP_001924052.1	NP_002209.2	ITIH4	-	Serum
1845	9.36	3	406	45.3	5.96	138.79	CAA48565.1	NP_000657.1	ACY1	-	
47522718	8.85	2	113	12.5	7.08	138.66	NP_999109.1	NP_001335.1	DAD1	-	
194033614	3.32	3	723	83.3	5.73	138.01	XP_001924733.1	NP_612370.3	LRSAM1	-	
62948008	11.62	3	198	22.4	6.11	137.98	AAV23007.1	NP_001028675.1	SAR1B	Yes (9+2/9+0)	
3116334	19.05	3	84	9.4	4.84	137.94	BAA25983.1	NP_066293.2	KRT34	-	
194035291	0.95	3	946	110.2	6.67	137.77	XP_001927354.1	NP_722523.1	SNX14	-	
194043991	2.75	3	363	41.7	8.18	137.45	XP_001926651.1	NP_060941.2	ZC3H15	-	
194041887	2.83	4	849	95.4	5.03	137.32	XP_001927694.1	NP_001135906.1	MGEA5	-	
194038441	13.77	4	247	28.2	9.36	137.25	XP_001928349.1	NP_057078.1	ATP6V1D	Yes (9+0)	
188998336	5.08	2	433	49.0	7.88	136.07	ACD67895.1	NP_000160.1	GLA	-	
194042374	2.42	2	661	71.3	5.80	135.92	XP_001925493.1	NP_001005751.1	FAM21A	-	
23598071	19.84	3	257	29.2	8.18	135.89	AAN35088.1			-	
166796061	14.48	3	297	34.4	9.72	135.84	NP_001107756.1	NP_000960.2	RPL5	-	Ribosome
194041231	2.04	2	1520	168.2	5.02	135.58	XP_001925389.1	NP_009115.2	NISCH	-	

58618085	16.30	2	184	21.3	8.34	134.95	AAW80613.1	NP_006200.3	ENPP2	-	
218664471	3.59	2	334	37.6	7.30	134.30	NP_001136304.1	NP_037415.1	MAT2B	-	
194038797	13.81	3	210	23.3	7.17	134.05	XP_001924362.1	NP_079428.2	NUBPL	-	
48675947	9.39	2	330	37.4	6.76	133.89	NP_001001642.1	NP_002724.1	PRKAG1	Yes (9+0)	
189232885	16.50	3	200	22.2	9.66	133.48	CAQ34905.1	NP_067026.3	SRPRB	Yes (9+0)	
194018716	10.94	3	64	7.4	9.52	133.09	NP_001123450.1	NP_037519.2	UQCR10	-	
194044404	10.42	4	307	34.5	8.07	132.83	XP_001924843.1	NP_110438.1	MRPS26	-	Mitochondrion
2959454	3.90	4	462	52.6	5.27	131.64	BAA25134.1	NP_001918.3	DES	-	
194037253	6.02	4	166	17.9	9.50	131.16	XP_001925123	NP_002464.1	MYH9	Yes (9+2/9+0)	
194037024	5.56	3	414	47.6	8.91	130.69	XP_001929306.1	NP_057026.3	MTERFD1	-	Mitochondrion
194035577	8.01	2	312	34.7	5.55	130.33	XP_001928100.1	NP_777571.1	FAM84B	-	
45269007	25.20	2	123	14.1	7.34	129.86	AAS55916.1	NP_005497.1	SCARB2	-	
194042069	1.31	3	765	86.2	5.22	129.35	XP_001929397.1	NP_065991.3	FAM160B1	-	
14134126	3.96	3	227	25.6	8.79	129.34	AAK54250.1	NP_000560.5	FCGR3A	-	
194041183	4.67	3	835	89.4	4.49	129.06	XP_001924305.1	NP_002366.2	MAP4	Yes (9+0)	
190360617	4.21	3	285	31.5	8.97	127.57	NP_001121924.1	NP_079119.3	CYBRD1	-	
212549625	9.85	3	264	29.9	9.74	127.16	NP_001131091.1	NP_000997.1	RPS3A	-	Ribosome
194040980	2.60	1	539	60.7	6.39	126.67	XP_001928521.1	NP_005078.2	FXR1	Yes (9+0)	
194033457	8.47	3	307	32.9	6.43	126.32	XP_001924766.1	NP_056255.2	MTHFD1L	-	Mitochondrion
16798651	11.11	2	153	18.1	11.66	124.84	AAL29467.1	NP_000972.1	RPL19	-	Ribosome
5835865	3.31	2	514	56.9	6.70	124.77	NP_008636.1	YP_003024028.1	MT-CO1	-	Mitochondrion
5733715	33.33	2	84	9.5	6.18	124.63	AAD49731.1	NP_002128.1	HNRNPA2B1	-	
164511	9.39	1	181	19.1	7.20	124.55	AAA03572.1			-	Serum
113205654	3.82	3	419	47.4	8.21	124.49	NP_001038016.1	NP_001816.2	CKMT2	-	Mitochondrion
58332862	2.66	2	413	43.9	8.88	123.90	XP_001924600.1	NP_001004426.1	PLA2G6	-	
194040687	1.89	1	740	81.1	8.46	123.61	XP_001926834.1	NP_005757.1	FARP1	-	
194033870	0.74	1	1478	165.6	7.08	123.48	XP_001924429.1	NP_003631.2	IKBKAP	Yes (9+0)	
285818458	1.25	1	883	99.2	6.52	123.08	ADC38902.1	NP_689596.4	DIS3L2	-	
194044443	5.75	2	174	19.1	6.29	123.01	XP_001926038.1	NP_054731.2	REM1	-	
194041521	11.47	2	218	23.8	5.85	122.29	XP_001927627.1	NP_004322.1	BNIP3L	-	Mitochondrion
194040789	4.73	2	402	44.9	8.37	122.13	XP_001925335.1	NP_612390.1	OXNAD1	-	
194041866	20.14	2	144	16.3	7.34	121.90	XP_001924538.1	NP_112233.2	SFXN3	-	Mitochondrion
194033873	0.92	4	870	97.4	9.22	121.89	XP_001924583.1	NP_061987.3	EPB41L4B	-	Serum
285818422	2.82	2	959	106.1	6.28	121.85	ADC38884.1	NP_004434.2	EPHB3	-	
194033682	2.70	3	593	65.6	5.55	121.78	XP_001928994.1	NP_116198.2	FAM73B	-	
194038629	2.08	2	529	59.7	8.59	121.74	XP_001926766.1	NP_065154.2	ADCK1	Yes (9+0)	
194037330	3.50	3	515	54.9	6.46	120.81	XP_001927253.1	NP_002263.2	KRT4	-	
194038625	3.25	2	338	38.3	5.64	119.91	XP_001928925	NP_036243.1	AHSA1	-	
36244564	42.31	2	52	5.8	6.51	119.67	AAQ85119.1	NP_002799.3	PSMD2	Yes (9+0)	
8489819	4.72	3	381	43.3	8.43	119.54	AAF75766.1	NP_000929.1	POLR2B	-	
194034171	17.86	3	196	20.5	5.48	119.37	XP_001924327.1	NP_055973.2	KANK1	-	
194044581	2.97	2	1077	119.9	5.74	119.27	XP_001925792.1	NP_055472.1	KIAA0406	-	
219521970	6.30	2	365	41.9	9.14	118.92	NP_001137173.1	NP_060831.2	AGPAT5	Yes (9+0)	
194040555	7.77	2	193	21.4	6.35	118.78	XP_001926949.1	NP_037470.1	ALG5	-	
194042433	2.94	3	374	41.0	8.19	118.50	XP_001925032.1	NP_004888.2	MINPP1	-	
194036775	5.52	4	743	82.4	5.48	118.44	XP_001928008.1	NP_851607.2	SCYL3	-	
194037044	1.62	3	555	62.8	6.64	118.37	XP_001924873.1	NP_060914.2	PDP1	-	Mitochondrion
47522790	4.62	2	303	33.2	8.05	118.27	NP_999147.1	NP_001768.1	CD47	Yes (9+0)	
55742638	2.61	2	537	58.4	6.65	118.22	NP_998981.1	NP_000192.2	ICAM1	-	
194044056	2.34	1	556	64.6	6.24	118.11	XP_001926144.1	NP_114159.2	SNX25	-	
147906477	7.34	2	177	19.8	9.85	117.77	NP_001090946.1	NP_009035.3	RPL10A	Yes (9+2)	Ribosome
48374071	9.18	2	316	35.8	6.29	117.07	NP_001001539.1	NP_001619.1	AKR1B1	Yes (9+0)	
4454998	30.30	3	99	10.9	4.67	116.50	AAD21027.1	NP_006807.1	LMAN2	-	
148747138	3.02	3	596	67.5	6.96	116.08	NP_001092074.1	NP_075067.2	VPS33A	Yes (9+0)	
194034487	4.15	2	289	31.7	9.31	115.66	XP_001927561.1	NP_068374.1	OTX2	-	
194044585	6.63	2	347	38.9	5.91	114.95	XP_001928975.1	NP_065069.1	RALGAPB	-	
148225574	25.00	4	76	8.8	10.23	114.83	NP_001090942.1	NP_004365.1	COX6C	-	Mitochondrion
194036332	5.37	2	428	48.5	7.75	114.61	XP_001928381.1	NP_057445.3	ACP6	-	
4098624	17.36	2	121	14.4	4.82	114.37	AAD00349.1	NP_002529.1	OCLN	-	
194039558	4.69	2	597	66.2	5.82	114.07	XP_001926980.1	NP_078856.4	EFTUD1	-	
62700699	20.99	3	81	9.0	5.86	113.81	CAI79418.1	NP_004512.1	KIF5B	Yes (9+2/9+0)	
194037231	1.55	2	776	83.2	8.54	113.61	XP_001924679.1	NP_203744.1	MICALL1	-	
292485838	3.49	2	887	96.5	6.67	113.42	ADE28534.1	NP_660208.2	SPATA5	-	Mitochondrion
194034081	2.48	1	524	58.5	6.49	113.09	XP_001925068.1	NP_060891.3	TBC1D2	-	
194044383	1.93	2	1292	143.9	6.96	112.59	XP_001927324.1	NP_647537.1	ATRN	-	
262036913	8.40	2	250	27.8	9.45	111.42	BAI47592.1	NP_006402.1	AGPAT1	-	
83026499	10.31	2	97	10.9	4.54	111.38	ABB96285.1	NP_068839.1	ITM2B	-	
194043799	2.53	2	316	35.5	8.02	111.06	XP_001926406.1	NP_006046.1	LANCL1	-	
55742703	5.14	1	253	28.9	6.93	110.43	NP_999018.1	NP_001107008.1	FOLR2	-	
195539470	5.79	2	484	55.0	7.03	110.17	NP_001124205.1	NP_000017.1	ADSL	-	
194042842	6.49	1	262	28.7	8.02	109.06	XP_001929190.1	NP_653190.2	COMTD1	Yes (9+0)	
194033849	3.78	2	793	88.3	8.18	108.82	XP_001925175.1	NP_536856.2	SLC44A1	-	
194018664	3.02	1	463	52.4	6.13	108.14	NP_001123430	NP_000479.1	SERPINC1	-	Serum
55167422	9.12	2	274	29.4	6.38	107.95	BAD67216			-	Serum
72535184	13.81	2	181	20.4	5.72	107.58	NP_001026954.1	NP_001168.1	ARL1	Yes (9+2/9+0)	
194034243	0.32	2	6165	712.1	5.27	107.46	XP_001925379.1	NP_878918.2	SYNE2	Yes (9+0)	
285818488	2.11	2	710	78.5	7.27	106.19	ADC38917.1	NP_008864.3	SLC5A3	-	
194035040	1.70	2	648	70.2	7.59	105.80	XP_001928776.1	NP_003913.3	HERC1	-	
178056462	7.34	2	354	39.2	5.40	105.80	NP_001116695.1	NP_000296.2	PON2	Yes (9+0)	
194037912	4.23	3	852	96.9	5.78	105.71	XP_001924655.1	NP_037509.3	PDZRN4	-	
4579751	2.09	1	815	89.6	5.39	104.65	BAA75064.1	NP_001137357.1	PPP1R12A	-	
148724910	4.37	2	549	61.1	6.64	104.44	CAN87698.1	NP_001701.2	CFB	-	Serum
190589916	2.44	1	574	65.6	7.03	104.44	ACE79217.1	NP_002825.3	PTPN11	-	
66352015	4.72	2	572	65.1	6.84	104.05	AAY44742.1	NP_733821.1	LMNA	-	
194034693	4.42	4	724	84.8	7.61	104.01	XP_001928744.1	NP_004739.3	CCPG1	-	

1911	3.55	1	338	39.3	8.56	103.84	CAA29415.1	NP_002722.1	PRKACB	Yes (9+2/9+0)	
47523538	5.21	4	557	59.8	9.17	103.73	NP_999396.1	NP_005147.3	ROD1	Yes (9+0)	
285818484	6.75	2	326	36.1	8.88	102.71	ADC38915.1	NP_001410.2	ELAVL1	Yes (9+0)	
194043406	1.36	2	664	74.8	5.62	102.13	XP_001929625.1	NP_116164.2	KLHL22	-	
73853886	4.98	1	221	24.9	5.35	101.67	NP_001027528.1	NP_899059.1	RAB27A	Yes (9+2/9+0)	
86450157	2.83	2	600	66.5	5.91	101.54	ABC96267.1	NP_057441.1	LIMA1	Yes (9+0)	
194040661	2.20	2	910	103.0	8.32	101.52	XP_001928146.1	NP_006313.1	TUBGCP3	Yes (9+0)	
190589912	3.56	1	337	39.0	9.03	101.51	ACE79215.1	NP_002721.1	PRKACA	Yes (9+2/9+0)	
194042012	3.12	2	674	75.4	6.81	100.61	XP_001924864.1	NP_058432.1	ADD3	Yes (9+0)	
194034773	0.98	2	1018	111.6	8.22	100.52	XP_001926177.1	NP_000329.2	SLC12A1	-	
118403822	6.78	2	236	25.7	5.29	100.51	NP_001072147.1	NP_004347.1	CD81	Yes (9+0)	
36244528	30.56	1	36	4.2	6.60	99.89	AAQ85117.1	NP_002796.4	PSMC5	Yes (9+2/9+0)	
113205776	5.93	2	405	44.5	6.90	98.55	NP_001038050.1	NP_001893.2	CTH	-	
47523440	1.69	1	650	70.2	7.43	98.39	NP_999343.1	NP_005107.4	SLC23A2	-	
60097959	0.41	1	3674	424.6	5.91	97.65	NP_001012408.1	NP_003998.1	DMD	Yes (9+2/9+0)	
222136624	8.71	2	241	25.6	5.02	97.33	NP_001138398.1	NP_002789.1	PSMB6	-	
194041943	4.04	1	322	36.1	9.42	96.55	XP_001929154.1	NP_849189.1	SFXN2	-	Mitochondrion
154101328	5.21	1	211	23.7	6.64	96.22	ABS58490.1	NP_803882.1	CYP20A1	-	
148535230	0.60	1	2340	264.6	6.46	96.17	ABQ85554.1	NP_942131.1	ACACA	Yes (9+0)	
194038650	4.96	2	423	46.4	5.55	96.02	XP_001926526.1	NP_002426.1	MPI	-	
148225172	9.76	1	82	9.3	9.38	95.88	NP_001090937.1	NP_002480.1	NDUFA4	-	Mitochondrion
194040511	5.06	1	178	19.8	9.14	95.54	XP_001927896.1	NP_919299.3	B3GALTL	-	
194041263	2.53	1	553	61.1	6.81	95.22	XP_001926497.1	NP_808881.3	PDE12	-	
194038056	2.24	1	847	92.6	7.53	94.87	XP_001925164.1	NP_001099038.1	KIF13A	-	
48374067	2.39	2	921	102.1	6.90	94.85	NP_001001537.1	NP_002209.2	ITIH4	-	Serum
194038534	7.69	1	351	38.3	5.52	94.79	XP_001929109.1	NP_689657.1	PTGR2	-	
212549651	2.83	1	566	63.2	8.32	94.77	NP_001131104.1	NP_006336.3	SLC30A9	Yes (9+0)	
113205616	9.35	2	214	24.6	10.14	94.42	NP_001038008.1	NP_006004.2	RPL10	Yes (9+2)	Ribosome
222136592	7.32	1	205	23.0	6.04	94.27	NP_0011138374.1	NP_002786.2	PSMB3	Yes (9+0)	
119352456	36.84	2	57	6.4	4.78	93.77	ABL63831.1	NP_001830.1	CNN3	Yes (9+0)	
33356119	20.00	1	60	6.8	5.26	93.61	AAQ16316	NP_009218.2	MME	-	
194041068	2.34	1	513	56.7	7.97	93.36	XP_001926717.1	NP_001019831.2	KALRN	-	
194036541	3.97	2	705	77.9	6.00	93.25	XP_001924575.1	NP_002950.3	SORT1	-	
194035628	8.38	3	382	42.4	9.28	92.93	XP_001924315.1	NP_066301.1	SNTB1	Yes (9+0)	
13160449	45.00	2	20	2.2	7.25	92.86	CAC32854.1	NP_002849.1	ABCD3	Yes (9+0)	
90903447	1.94	1	620	69.8	5.12	92.46	ABE02286.1	NP_001120.3	AEBP1	-	
155964300	19.85	2	131	14.3	5.11	92.41	ABU40196.1	NP_620419.2	SDR16C5	-	
157427724	4.49	2	334	37.6	6.73	91.59	NP_001098770.1	NP_006828.2	COP55	-	
194043313	3.10	1	355	40.7	7.61	91.01	XP_001929116.1	NP_116246.2	GNAZ	Yes (9+2/9+0)	Mitochondrion
194042500	5.41	1	185	21.4	9.69	90.85	XP_001926078.1	NP_038479.1	MYOF	Yes (9+0)	
196259976	5.76	2	469	49.7	6.93	90.78	NP_001124517.1	NP_001070984.1	SLC39A7	Yes (9+0)	
194039375	5.53	2	199	22.4	8.40	90.67	XP_001927232.1	NP_689945.2	RSPH9	-	
194044667	5.39	2	427	48.2	8.69	90.48	XP_001926018.1	NP_057021.2	PIGT	-	
194038799	12.40	1	129	13.5	10.23	90.43	XP_001925166.1	NP_079428.2	NUBPL	-	
47522880	5.28	2	568	61.3	6.99	90.36	NP_999195.1	NP_001027536.1	GGT1	Yes (9+0)	
238915589	3.14	1	287	33.8	5.25	90.23	NP_999136.1	NP_001822.2	CLU	Yes (9+0)	
194043317	3.86	2	673	76.7	8.27	90.18	XP_001925930.1	NP_004318.3	BCR	Yes (9+0)	
194035427	8.96	1	134	14.9	7.30	89.92	XP_001928573.1	NP_001132982.1	ECHDC1	-	
118403902	4.17	1	288	31.5	7.66	89.71	NP_001072132.1	NP_658985.2	APOA1BP	Yes (9+0)	Serum
194041571	8.02	1	187	21.0	6.79	89.37	XP_001924212.1	NP_036463.1	MSRA	-	
45269041	20.75	2	106	12.0	8.62	89.24	AAS55933.1	NP_000997.1	RPS3A	-	Ribosome
138752628	28.45	2	116	12.6	9.80	89.16	CAM32246.1	NP_001830.1	CNN3	Yes (9+0)	
71849672	2.76	2	869	94.0	6.05	89.11	AAZ50617.1	NP_981961.1	CD163	-	
194033986	1.57	2	762	84.8	7.55	88.51	XP_001925873.1	NP_115547.1	CEP78	Yes (9+0)	
194035485	3.90	1	538	61.2	8.81	88.24	XP_001925089.1	NP_079527.1	ARHGAP39	-	
194036225	7.58	1	264	29.0	5.91	87.83	XP_001929676.1	NP_002787.2	PSMB4	Yes (9+0)	
194038280	2.92	1	548	61.3	5.95	87.70	XP_001927091.1	NP_705933.2	SLC24A4	-	
30909255	3.98	2	251	28.3	5.14	87.59	AAP37552.1	NP_061984.2	HLA-DRA	-	
194038425	1.65	1	1154	127.3	6.57	87.22	XP_001926828.1	NP_056364.1	PLEKHG3	-	
164664444	5.62	2	356	41.7	8.13	86.70	NP_001106907.1	NP_002328.1	LRPAP1	-	
194043107	2.25	1	757	86.7	7.15	86.16	XP_001929245.1	NP_569733.2	UBE3B	Yes (9+2/9+0)	
194041402	1.23	2	1058	115.7	7.47	85.50	XP_001926329.1	NP_004551.2	ROR2	-	
194038512	1.16	2	1804	199.7	8.24	85.40	XP_001928473.1	NP_056371.1	SIPA1L1	-	
194037165	2.79	2	358	40.6	7.20	85.27	XP_001928704.1	NP_663786.2	SEPT3	Yes (9+2/9+0)	
297307131	12.42	3	306	33.2	11.24	84.99	NP_0011171996	NP_057034.2	MRPL2	-	Mitochondrion
194041354	3.04	1	461	53.5	6.25	84.95	XP_001926911.1	NP_443715.1	IFT122	Yes (9+2/9+0)	
10257510	4.60	1	239	25.8	5.11	84.89	AAF68432.3	NP_000472.2	AMT	-	Mitochondrion
14269030	60.00	1	40	4.7	6.51	84.60	AAK57997.1	NP_000168.1	GSN	Yes (9+0)	
153792082	3.58	2	755	86.4	6.21	84.36	NP_001093405.1	NP_001547.1	IKBK	-	
194039722	2.11	2	474	52.2	5.40	84.14	XP_001928023.1	NP_057440.2	DCDC2	-	
194037217	2.66	2	752	83.8	7.14	84.13	NP_001011507.1	NP_005552.3	LAMP1	-	
190360625	1.56	1	961	108.4	6.92	84.03	NP_001121935.1	NP_001155855.1	ARHGFE2	Yes (9+0)	
194035033	2.33	1	429	49.7	5.88	83.93	XP_001928534.1	NP_003090.2	SNX1	Yes (9+0)	
68132076	16.85	1	89	10.0	5.17	83.87	AAV85304.1	NP_001171034.1	PPP2R1B	-	
194044687	5.05	1	317	35.8	8.07	83.45	XP_001928924.1	NP_005460.2	ACOT8	Yes (9+0)	
194040538	0.96	1	1148	129.1	6.25	83.36	XP_001925924.1	NP_056493.3	NBEA	-	
178056482	7.64	2	458	50.5	5.77	83.30	NP_001116607.1	NP_001013728.2	PLIN5	-	
194035719	4.74	1	274	30.5	6.23	83.00	XP_001926413.1	NP_002052.1	GCLM	Yes (9+0)	
190360639	4.79	2	167	18.6	6.18	82.72	NP_001121941.1	NP_005092.1	ISG15	-	
194040835	6.23	1	257	28.6	9.33	82.69	XP_001926074.1	NP_005098.2	EXOG	-	Mitochondrion
38098644	15.97	1	144	15.7	6.62	82.57	AAR10973.1	NP_000628.2	GSR	-	Mitochondrion
194038668	3.35	2	328	36.7	5.43	82.56	XP_001927445.1	NP_005688.2	SCAMP2	-	
194041821	2.88	1	416	46.3	5.21	82.55	XP_001929145.1	NP_001002261.1	ZFYVE27	-	
194042464	2.71	2	553	63.8	8.35	81.94	XP_001925987.1	NP_036552.1	IFIT5	-	
298160923	7.86	2	318	36.5	5.53	81.94	NP_001177141	NP_076424.1	DDRGK1	-	

194036468	4.39	1	342	37.0	5.74	81.62	XP_001928840.1	NP_077007.1	WDR77	-	
194034275	8.48	2	342	37.3	8.37	81.25	XP_001924827.1	NP_002442.2	MTAP	-	
255068732	19.64	2	112	12.4	8.25	81.24	CAX36905.1	NP_000574.2	GC	-	Serum
44889640	29.03	1	62	7.4	9.41	79.90	AAS48423.1	NP_001005505.1	CACNA2D2	Yes (9+0)	
114326183	10.00	1	180	20.5	5.67	79.88	NP_001041537.1	NP_001651.1	ARF4	Yes (9+2/9+0)	
212549653	2.08	2	336	38.9	7.37	79.79	NP_001131106.1	NP_443107.1	VPS26B	Yes (9+0)	
256838117	2.00	1	501	55.1	8.00	79.78	NP_001157982.1	NP_001006642.1	SLC25A25	-	Mitochondrion
194041330	13.79	2	261	29.9	6.81	79.54	XP_001928770.1	NP_060917.1	TMEM111	Yes (9+0)	
194040765	2.59	1	348	38.3	9.36	78.93	XP_001925073.1	NP_009139.1	MRPL3	Yes (Global)	Mitochondrion
285818434	3.01	2	299	34.4	8.63	78.75	ADC38890.1	NP_060714.3	UQCC	Yes (9+0)	
194034360	3.24	2	649	72.3	9.45	78.40	XP_001927072.1	NP_006561.1	RRAGA	-	
194035338	1.39	1	718	78.7	5.57	77.91	XP_001926093.1	NP_001122089.1	REPS1	-	
194042053	2.07	1	725	79.1	5.54	77.72	XP_001929043.1	NP_940916.2	NHLRC2	-	
154101326	6.18	2	178	19.9	8.65	77.66	ABS58489.1	NP_000952.1	PTGIS	-	
194037700	0.40	2	2481	290.3	6.06	77.49	XP_001928242.1	NP_079390.3	CEP290	Yes (9+2/9+0)	
148233143	2.62	1	534	60.9	6.01	77.45	NP_001090904.1	NP_001017962.1	P4HA1	Yes (9+0)	
47522836	5.61	1	214	23.7	5.68	77.43	NP_999170.1	NP_036515.4	OSTF1	-	
47522740	1.92	1	522	57.7	6.83	77.37	NP_999120.1	NP_000503.1	GALNS	-	
194043214	2.94	1	511	57.3	7.71	77.27	XP_001929232.1	NP_114143.1	TBC1D10A	-	
32170389	2.65	1	378	42.8	8.66	77.20	CAD99201.1	NP_056167.1	POFUT1	-	
113205806	1.24	1	809	90.6	7.21	76.42	NP_001038055.1	NP_000292.1	PLG	-	Serum
194044284	5.21	1	192	21.4	8.72	76.40	XP_001925938.1	NP_000998.1	RPS4X	Yes (9+0)	Ribosome
21703163	11.82	1	110	12.0	5.06	76.35	AAM76079.1			-	Serum
194033501	4.58	1	262	28.9	9.55	76.17	XP_001926029.1	NP_620132.1	MRRF	-	Mitochondrion
194043246	2.45	1	654	74.2	6.23	75.88	XP_001924672.1	NP_110385.1	OSBP2	-	
194038286	4.01	1	299	34.8	6.76	75.61	XP_001924290.1	NP_005104.2	GOLGA5	Yes (9+2/9+0)	
148237282	10.33	2	213	23.3	10.77	75.48	NP_001090947.1	NP_001030168.1	RPL14	Yes (9+2)	Ribosome
154101338	7.89	1	228	26.1	9.09	75.48	ABS58495.1	NP_001052.2	TBXAS1	-	
194042873	1.14	1	1321	146.6	7.42	74.86	XP_001928455.1	NP_065896.1	PITPNM2	Yes (9+0)	
47523576	2.74	2	292	32.2	7.97	74.69	NP_999413.1	NP_861420.1	HSD11B1	-	
194040461	5.03	2	199	21.6	9.47	74.68	XP_001928899.1	NP_689939.1	EFHA1	-	
264681476	6.22	1	193	21.1	9.35	74.42	NP_001161101.1	NP_001986.2	ACSL1	-	Mitochondrion
194033686	1.22	2	819	90.8	7.25	73.65	XP_001926112.1	NP_066954.2	PPP2R4	Yes (9+0)	
194039637	0.90	1	1224	137.2	7.15	73.63	XP_001927099.1	NP_001119603.1	POLG	-	Mitochondrion
38230149	30.00	1	40	4.2	4.72	73.57	AAR14174.1	NP_005156.1	ALDOC	Yes (9+2/9+0)	
194033494	4.43	2	677	71.2	8.65	73.46	XP_001924326.1	NP_057569.2	VTA1	-	
194038778	2.71	2	406	46.6	6.16	73.36	XP_001928303.1	NP_689419.2	SNX6	-	
56711358	4.67	1	257	27.7	9.32	73.08	NP_001008687.1	NP_898902.1	PRNP	Yes (9+0)	
47522770	3.14	1	446	51.7	5.88	72.69	ACR78279.1	NP_001153647.1	NAT1	-	
194044772	3.02	1	265	28.9	5.76	72.25	XP_001927900	NP_005269.1	GPM6B	-	
38569721	19.67	1	61	7.1	6.77	71.48	AAR24381.1	NP_004499.2	IDI1	-	
47523702	1.02	1	1277	141.9	5.43	71.39	NP_999487.1	NP_000262.2	NPC1	Yes (Global)	
194033953	0.59	1	1870	216.1	5.38	71.05	XP_001925689.1	NP_008949.4	CEP110	Yes (Centrosome)	
3402264	5.93	1	135	14.1	6.93	71.04	CAA63936.1	NP_005007.2	PCBP2	-	
2465404	19.35	1	62	7.4	8.44	70.84	AAB72090.1	NP_006254.1	PSME1	Yes (9+0)	
194034163	3.79	1	475	52.9	5.47	70.57	XP_001925728	NP_003374.3	VLDR	-	
194044689	1.86	1	538	58.0	8.25	70.40	XP_001926188.1	NP_219489.1	SNX21	-	
33317518	3.79	1	290	33.4	5.57	70.12	AAQ04720	NP_002818.1	PTPN1	-	
194041674	2.59	1	424	47.7	7.96	69.71	XP_001926667.1	NP_006495.1	PTPRE	-	
194042740	0.99	1	1010	114.2	5.90	69.55	XP_001924594.1	NP_071362.1	HERC4	Yes (9+2/9+0)	
194042306	3.38	1	621	72.0	5.53	69.49	XP_001928845.1	NP_056449.1	KIAA1279	-	Mitochondrion
194034610	2.22	1	450	52.9	5.50	69.32	XP_001926091.1	NP_001138439.1	NEDD4L	-	
88861934	17.86	1	56	6.4	8.21	69.32	ABD52874.1	NP_006279.2	THY1	Yes (9+0)	
194039176	1.93	1	517	56.5	8.70	69.18	XP_001925238.1	NP_705841.2	LPCAT4	-	
285818474	1.32	1	909	102.1	5.86	69.03	ADC38910.1	NP_065822.2	HACE1	-	
118403806	6.81	1	191	21.3	6.04	69.01	NP_001072148.1	NP_001034891.1	CDC42	Yes (9+2/9+0)	
92020123	3.83	1	313	34.4	5.22	68.97	BAE93252.1	NP_004360.2	COL6A3	-	
194038461	0.51	1	2541	283.3	6.47	68.97	XP_001926176.1	NP_056161.2	ZFYVE26	-	
65301133	1.94	1	619	70.5	5.31	68.45	NP_001018042.1	NP_000848.1	GUCY1B3	Yes (9+0)	
157427711	1.37	1	729	83.7	6.57	68.30	NP_001098762.1	NP_037386.1	TBK1	Yes (9+2/9+0)	
194035601	7.82	1	179	21.8	8.63	67.96	XP_001927839.1	NP_004996.1	NDUFB9	-	Mitochondrion
98978744	17.74	1	62	6.0	4.13	67.64	ABF59811.1	NP_002036.1	GAP43	-	
178056474	5.76	1	399	45.3	7.90	67.57	NP_001116606.1	NP_000226.2	LIPA	-	
47522706	2.75	1	363	39.7	5.55	67.32	NP_999053.1	NP_002380.3	CD46	Yes (9+0)	
36244585	37.50	1	32	3.6	5.10	67.21	AAQ85120.1	NP_002800.2	PSMD3	Yes (9+0)	
194038386	2.53	1	435	46.6	10.21	67.15	XP_001926906.1	NP_037404.2	SLCO3A1	-	
194038806	0.61	1	1798	197.2	5.29	67.11	XP_001924707.1	NP_056197.2	HECTD1	-	
283443704	3.61	1	527	58.4	5.49	67.07	ADB19861.1	NP_036311.3	FBXO7	-	
117660446	16.90	1	71	8.3	9.31	66.89	ABK55621.1	NP_009031.1	ATP5I	-	Mitochondrion
55983056	9.26	1	108	11.7	4.21	66.74	AAV69970.1	NP_002801.1	PSMD4	-	
194044041	8.08	1	198	21.9	8.18	66.60	XP_001926102.1	NP_005268.1	GPM6A	Yes (9+0)	
194044559	0.52	1	1529	171.1	6.25	66.59	XP_001925182.1	NP_542194.2	C20orf117	-	
45269011	42.86	1	28	2.9	8.02	66.45	AAS55918.1	NP_004574.2	RAB5C	Yes (9+2/9+0)	
194036898	3.44	1	291	31.9	6.67	65.80	XP_001927783.1	NP_001034800.1	DEDD	-	
117661101	5.06	1	237	27.5	11.21	65.75	ABK55654.1	NP_001001.2	RPS6	Yes (9+2/9+0)	Ribosome
194041761	1.07	1	1313	145.4	8.73	65.73	XP_001924696.1	NP_001030126.1	SORBS1	-	
194038451	0.64	2	1400	153.6	8.25	65.33	XP_001925997.1	NP_065766.1	PLEKHH1	-	
148223599	3.97	1	277	30.0	7.30	65.28	NP_001090945.1	NP_002790.1	PSMB7	-	
194045114	2.19	1	457	53.9	5.62	65.22	XP_001924292.1	NP_056000.1	ARHGGEF9	-	
165909668	2.94	1	374	42.5	6.04	65.21	ABY73740.1	NP_003105.2	SPAG1	-	
148222424	6.16	1	341	37.3	8.82	65.20	NP_001090895.1	NP_003640.2	DDO	-	
194043095	1.35	1	667	74.4	6.81	65.12	XP_001926116.1	NP_476510.1	GIT2	-	
194035855	1.64	1	610	64.5	7.33	64.71	XP_001929085.1	NP_443100.1	IGSF8	-	
62911467	6.82	1	176	20.1	5.57	64.66	AAY21386.1	NP_004098.1	FCGRT	-	
194043414	0.95	2	839	94.5	8.92	64.52	XP_001929624.1	NP_060221.2	SMPD4	-	

21703165	11.61	1	112	12.1	8.46	64.43	AAM76080.1					Serum
6013139	5.33	1	319	35.3	7.83	64.14	AAF01257.1	NP_001329.1	CXADR	-		
194041688	4.81	1	187	21.3	5.50	63.68	XP_001924596.1	NP_005530.3	INPP5A	Yes (Global)		
194044503	1.00	1	899	102.7	8.54	63.56	XP_001927381.1	NP_065935.2	MYH7B	-		
194036738	8.05	1	174	19.0	5.48	63.19	XP_001927278.1	NP_006321.1	LYPLA1	Yes (9+0)		
15824734	11.28	1	133	14.4	4.37	63.09	AAL09462.1	NP_002282.2	LAMB1	-		
194043576	0.85	1	1056	113.2	8.44	62.93	XP_001928586.1	NP_003556.1	ULK1	-		
194041294	4.46	1	202	23.6	7.88	62.74	XP_001925304.1	NP_886552.2	TRNT1	-		Mitochondrion
229892828	1.57	1	637	72.6	6.29	62.25	NP_001153565.1	NP_006100.2	PRMT5	-		
194034527	2.24	1	804	89.9	7.97	62.22	XP_001924324.1	NP_065976.2	CACHD1	-		
194037728	7.36	1	163	18.4	6.65	61.91	XP_001926365.1	NP_001083173.1	RAP1BL	-		
194041369	8.28	1	169	18.9	5.20	61.41	XP_001924590.1	NP_003698.1	RUVBL1	Yes (9+0)		
194037351	2.01	1	546	59.6	7.37	61.21	XP_001925763.1	NP_056480.1	AAAS	-		
194035587	3.19	1	345	39.1	6.44	60.85	XP_001924939.1	NP_055661.3	KIAA0196	Yes (9+0)		
292485836	3.04	1	559	61.6	9.64	60.65	ADE28533.1	NP_056350.2	SPATS2L	-		
297307137	5.34	1	206	23.7	5.14	60.54	NP_0011171999	NP_002873.1	RANBP1	Yes (9+2)		
194035881	4.19	1	430	46.9	6.20	59.83	XP_001929212.1	NP_067012.1	CADM3	-		
194038720	2.50	1	360	39.7	6.04	59.77	XP_001926345.1	NP_112574.3	ADPGK	-		
194038048	2.57	1	428	47.9	5.26	59.68	XP_001924785.1	NP_006357.1	CAP2	-		
194035113	5.78	1	277	30.4	5.05	59.54	XP_001925513.1	NP_059117.3	COQ3	-		Mitochondrion
117660743	20.00	1	155	16.1	9.88	59.46	ABK55635	NP_005167.2	ATP5G2	-		Mitochondrion
194033876	4.56	1	329	34.8	9.89	59.32	XP_001924641.1	NP_114401.2	C9orf5	-		
194038256	0.50	1	2004	224.8	5.88	59.24	XP_001928768.1	NP_001073883.2	CCDC88C	-		
194039437	4.04	1	322	35.4	9.31	59.17	XP_001928208.1	NP_004268.3	SLC25A27	-		Mitochondrion
58332864	3.75	1	507	55.3	8.59	58.80	NP_001011508.1	NP_542970.1	SIRPA	Yes (9+0)		
194040262	6.75	1	237	26.7	7.30	58.53	XP_001929671.1	NP_057361.3	RAB23	Yes (9+2/9+0)		
74136759	4.38	1	297	32.9	6.74	58.43	NP_001028185	NP_003992.3	FCGR2B	-		
190360597	3.24	1	340	38.5	9.38	58.28	NP_001121947.1	NP_057104.2	TFB1M	-		Mitochondrion
194042592	3.45	1	290	32.9	6.37	58.28	XP_001928785.1	NP_005990.1	TSNAX	Yes (9+0)		
47523922	5.17	1	232	26.7	9.23	58.18	NP_999602.1	NP_006361.1	VTI1B	-		
194041392	1.27	1	865	96.0	8.06	57.50	XP_001928494.1	NP_006369.3	SEMA4D	-		
73853894	1.52	1	395	45.1	6.60	57.03	NP_001027529.1	NP_005473.1	PIGK	-		
166796065	3.60	1	333	36.9	8.78	56.87	NP_001107758.1	NP_004084.1	EFNB2	-		
194042826	2.30	1	434	48.6	6.62	56.82	XP_001928771.1	NP_036227.1	AP3M1	Yes (9+0)		
47523738	3.02	1	397	44.8	7.77	56.69	NP_999504.1	NP_061072.3	DNAJA4	Yes (9+2/9+0)		
194044141	12.79	1	172	18.8	5.26	55.76	XP_001926145.1	NP_005796.1	PSMD14	-		
5835869	5.36	1	261	29.7	6.99	55.74	NP_008640.1	YP_003024032.1	MT-CO3	-		Mitochondrion
178057067	5.53	1	380	44.5	5.07	55.41	NP_001116568.1	NP_008996.1	CDC37	Yes (9+0)		
194044757	1.31	1	763	87.1	5.96	55.16	XP_001925292.1	NP_056506.2	WWC3	-		
194042858	1.62	1	743	84.5	8.95	54.68	XP_001927747.1	NP_006806.1	TMED2	Yes (9+0)		
194041378	13.13	1	99	11.0	9.31	54.60	XP_001924889.1	NP_002787.2	PSMB4	Yes (9+0)		
45268999	7.22	1	180	20.4	5.73	54.51	AAS55912.1	NP_002901.2	RENBP	-		
213021233	4.72	1	212	24.7	8.19	54.43	NP_001132945.1	NP_009148.2	PDCD10	Yes (9+0)		
194034417	1.61	1	1059	120.6	6.24	54.22	XP_001924665.1	NP_004704.2	SDCCAG1	-		
194037760	1.63	1	674	77.3	5.25	53.37	XP_001925371.1	NP_001139685.2	TBC1D15	-		
194033654	3.77	1	265	29.9	8.31	53.25	XP_001928369.1	NP_057119.2	COQ4	-		
194034734	1.34	1	1117	127.4	8.48	53.06	XP_001927765.1	NP_005145.3	USP8	-		
30523349	4.71	1	255	27.8	5.85	53.05	AAP31511.1	NP_997647.1	FN1	Yes (9+0)		Serum
194037506	5.26	1	209	22.8	6.99	53.01	XP_001927658.1	NP_001771.1	CD63	-		
194033676	1.86	1	538	59.2	8.60	52.69	XP_001928954.1	NP_055723.1	DOLK	-		
194033387	4.38	1	297	33.8	7.36	52.40	XP_001925977	NP_005913.2	MAP3K4	-		
194040970	1.04	1	1345	147.5	6.30	52.10	XP_001924564.1	NP_073600.3	FNDC3B	Yes (9+0)		
201066354	0.99	1	708	79.4	5.38	51.98	NP_001128438.1	NP_036228.1	APPL1	Yes (9+0)		
194041343	3.45	1	319	34.4	7.08	51.96	XP_001926535.1	NP_899195.1	SEC13	Yes (9+2/9+0)		
47522944	1.88	1	532	59.9	7.75	50.80	NP_999229.1	NP_002012.1	FMO1	-		
194042620	3.60	1	278	30.1	6.65	50.52	XP_001924694.1	NP_000020.1	AGT	-		Serum
194034958	5.71	1	210	24.0	9.06	50.29	XP_001925024.1	NP_060717.1	TMEM30A	Yes (9+0)		
190360643	1.13	1	887	97.6	5.45	50.24	NP_001121930.1	NP_001690.2	AXL	-		
264681438	5.16	1	213	23.6	8.48	50.02	NP_001161114.1	NP_006310.1	CDIPT	Yes (9+0)		
113196921	6.67	1	135	15.3	6.00	50.02	ABI31752.1	NP_000012.1	PSEN1	-		
87137931	33.33	1	57	6.8	4.53	49.74	ABD28177.1	NP_005177.2	CAPN1	Yes (9+2/9+0)		
194039547	9.05	1	232	25.9	7.88	49.64	XP_001928898.1	NP_055969.1	MESDC2	Yes (9+0)		
11544909	38.10	1	21	2.5	9.01	49.28	CAC17633.1	NP_001030590.1	SDHC	-		Mitochondrion
194044635	3.35	1	388	43.6	4.98	49.04	XP_001925602.1	NP_006273.1	STK4	-		
194034612	1.35	1	665	73.8	5.48	48.75	XP_001926350.1	NP_001138441.1	NEDD4L	-		
194043041	0.92	1	866	99.9	6.74	48.62	XP_001924671.1	NP_079229.2	NAA25	-		
194041951	1.06	1	853	94.2	6.14	48.61	XP_001929273.1	NP_060119.3	CNNM2	-		
194044145	10.26	1	156	18.1	7.28	48.44	XP_001926333.1	NP_005796.1	PSMD14	-		
113205568	6.25	1	448	51.7	4.96	48.30	NP_001037995.1	NP_003757.1	BECN1	-		
47522640	1.50	1	732	80.4	7.81	48.14	NP_999090.1	NP_510966.1	CD97	Yes (9+0)		
194036981	5.97	1	201	23.1	8.78	47.49	XP_001925258.1	NP_003105.2	SPAG1	-		
194035472	5.78	1	329	36.8	4.67	47.32	XP_001924798.1	NP_001010892.1	RSPH4A	-		
194036640	2.02	1	346	39.4	9.70	47.21	XP_001924653.1	NP_055109.1	TRAM1	Yes (Global)		
147899515	2.42	1	662	75.2	4.73	46.94	NP_001090891.1	NP_001121782.1	SPARCL1	-		
194043881	1.89	1	529	54.8	10.17	46.90	XP_001926913.1	NP_004495.2	AGFG1	-		
194042031	1.32	1	683	76.6	6.43	46.76	XP_001927977.1	NP_976313.1	ACSL5	-		Mitochondrion
209863049	2.50	1	599	64.9	7.84	46.66	NP_001129438.1	NP_775897.3	SLC26A11	-		
194045106	4.42	1	249	26.7	9.16	46.30	XP_001927882.1	NP_060318.3	FAM120C	Yes (9+0)		
92020110	4.07	1	246	27.3	4.91	46.28	BAE93251.1	NP_001840.3	COL6A2	-		
194035630	0.77	1	905	100.9	7.85	45.52	XP_001924871.1	NP_071328.2	MTBP	-		
56711370	3.03	1	363	40.6	8.05	45.38	NP_001008692.1	NP_055398.1	LMCD1	-		
1769554	3.80	1	237	26.5	7.17	45.09	AAB39988.1	NP_000543.2	VWF	-		Serum
194035758	1.75	1	858	97.7	7.34	44.94	XP_001929199.1	NP_060573.2	LRRC8D	-		
194035839	1.34	1	596	66.6	5.43	44.57	XP_001928921.1	NP_056541.2	DCAF8	-		
194042957	0.85	1	1299	138.0	9.63	44.47	XP_001929568.1	NP_002964.3	ATXN2	Yes (9+0)		

194037921	6.52	1	184	20.7	7.99	44.29	XP_001927316.1	NP_001491.1	GMDS	Yes (9+2)
58003720	10.59	1	85	9.8	8.62	44.03	AAW62290.1	NP_000132.3	FGFR2	-
195957254	1.34	1	1191	125.3	8.59	43.93	ACG59405.1	NP_005535.1	IRS1	-
164614625	4.79	1	188	21.0	5.87	43.58	ABY64538.1	NP_001119574.1	HP	- Serum
194044095	1.81	1	386	42.3	5.06	43.19	XP_001925879.1	NP_004865.1	BAG4	-
50054446	1.66	1	722	78.8	5.96	42.75	NP_001001910.1	NP_077726.1	DDX4	-
194038316	2.56	1	234	27.3	6.16	42.39	XP_001925403.1	NP_075601.1	OTUB2	-
194036959	3.13	1	351	40.6	4.92	40.08	XP_001925036.1	NP_056528.2	RRM2B	-
194043613	1.64	1	550	60.2	6.43	39.55	XP_001924277.1	NP_076417.2	AACS	-
166796051	1.21	1	744	84.6	6.93	38.64	NP_001107751.1	NP_001269.3	CHUK	-
194035482	7.59	1	224	24.7	7.96	35.62	XP_001926019.1	NP_054785.2	COMMD5	Yes (9+0)
268607631	1.14	1	964	105.1	7.59	34.68	NP_001161253.1	NP_004127.1	IREB2	-
194035238	0.56	1	2301	259.0	6.09	29.59	XP_001924484.1	NP_055833.2	DOPEY1	-