

Table S2. Significantly changed proteins in P17 and their pSILAC ratios. The first 19 unique protein groups are core synaptic proteins that are upregulated in KO in P17 and overlap with all three databases

Locus	Symbol	KO/WT_P17	KO/WT_P45	6-hour stimulation				5-minute stimulation		Databases		
				Ratio H/M(K/W)_S2	Ratio H/M(W/K)_S2	Ratio H/M(K/W)_P2	Ratio H/M(W/K)_P2	Ratio H/M(K/W)	Ratio H/M(W/K)	autismDB	moPSP	FMRP_target
IPI00831180.1	Atp2b2	2.32	0.85			1.08	0.49	1.01	0.55	Atp2b2	Atp2b2	ATP2B2
IPI00127713.1	Atp2b2	2.32	-			1.08	0.49	1.01	0.55	Atp2b2	Atp2b2	ATP2B2
IPI00622720.1	Dlg4	3.00	0.72					1.90	0.53	Dlg4	Dlg4	DLG4
IPI00122094.2	Dlg4	3.00	-					1.90	0.53	Dlg4	Dlg4	DLG4
IPI00626797.1	Dlg4	3.00	-					1.90	0.53	Dlg4	Dlg4	DLG4
IPI00467058.2	Dlgap2	4.38	0.85					0.60	0.23	Dlgap2	Dlgap2	DLGAP2
IPI00222263.4	Dlgap2	4.38	-					0.60	0.23	Dlgap2	Dlgap2	DLGAP2
IPI00928507.1	Dlgap2	4.38	-					0.60	0.23	Dlgap2	Dlgap2	DLGAP2
IPI00321320.3	Grin2b	1.41	0.79				0.60			Grin2b	Grin2b	GRIN2B
IPI00758248.3	Iqsec2	2.24	0.81					1.83	0.54	Iqsec2	Iqsec2	IQSEC2
IPI00410901.1	Kcnma1	2.50	0.69							Kcnma1	Kcnma1	KCNMA1
IPI00410905.2	Kcnma1	2.50	0.92							Kcnma1	Kcnma1	KCNMA1
IPI00410904.1	Kcnma1	2.50	-							Kcnma1	Kcnma1	KCNMA1
IPI00410903.3	Kcnma1	2.50	-							Kcnma1	Kcnma1	KCNMA1
IPI00120643.1	Kcnma1	2.50	-							Kcnma1	Kcnma1	KCNMA1
IPI00875695.1	Lrrc7	2.09	0.70							Lrrc7	Lrrc7	LRRC7
IPI00831714.2	Lrrc7	2.13	-							Lrrc7	Lrrc7	LRRC7
IPI00119663.3	Mapk1	1.61	1.07	1.63	0.89	0.69	0.87	1.32	0.80	Mapk1	Mapk1	MAPK1
IPI00228680.2	Nrxn3	1.56	0.84				0.37			Nrxn3	Nrxn3	NRXN3
IPI00876463.1	Prickle2	1.88	0.32							Prickle2	Prickle2	PRICKLE2
IPI00349970.6	Prickle2	1.88	-							Prickle2	Prickle2	PRICKLE2
IPI00227898.3	Prkcb	2.32	0.88					0.42	0.64	Prkcb	Prkcb	PRKCB
IPI00606039.3	Shank1	1.80	0.74							Shank1	Shank1	SHANK1
IPI00465999.5	Shank1	1.90	-							Shank1	Shank1	SHANK1
IPI00758339.1	Shank1	1.90	-							Shank1	Shank1	SHANK1
IPI00757097.2	Shank2	1.67	0.70				1.51	0.76	1.61	Shank2	Shank2	SHANK2
IPI00351827.6	Shank3	2.93	0.71							Shank3	Shank3	SHANK3
IPI00415402.3	Stxbp1	1.68	0.89	2.40	0.48	0.45	0.40	1.13	0.78	Stxbp1	Stxbp1	STXBP1
IPI00415403.1	Stxbp1	1.68	0.90	2.40	0.48	0.45	0.40	1.13	0.78	Stxbp1	Stxbp1	STXBP1
IPI00656317.2	Stxbp5	1.65	-					0.43	0.03	Stxbp5	Stxbp5	STXBP5
IPI00918655.1	Stxbp5	1.74	-					0.43	0.03	Stxbp5	Stxbp5	STXBP5
IPI00875100.1	Stxbp5	1.74	-					0.43	0.03	Stxbp5	Stxbp5	STXBP5
IPI00649886.1	Syn1	1.90	1.00	1.86	0.36	1.25	0.57	1.37	0.91	Syn1	Syn1	SYN1
IPI00649467.3	Syn1	1.98	-	1.86	0.36	1.25	0.57	1.37	0.91	Syn1	Syn1	SYN1
IPI00890038.2	Syne1	3.50	0.59					2.52	0.57	Syne1	Syne1	SYNE1
IPI00403993.5	Syne1	3.50	-					2.52	0.57	Syne1	Syne1	SYNE1
IPI00663736.2	Syngap1	3.41	0.73				0.40	2.45	0.33	Syngap1	Syngap1	SYNGAP1
IPI00459465.1	Baiap2	2.88	-					0.58	0.94	Baiap2	Baiap2	
IPI00222731.2	Baiap2	3.23	0.82					0.58	0.94	Baiap2	Baiap2	
IPI00124778.1	Baiap2	3.23	-					0.58	0.94	Baiap2	Baiap2	
IPI00649474.1	Baiap2	3.23	-					0.58	0.94	Baiap2	Baiap2	
IPI00648827.1	Baiap2	3.23	-					0.58	0.94	Baiap2	Baiap2	
IPI00114352.1	Bin1	1.38	0.93	0.60	0.62	0.55	0.36	0.97	1.01	Bin1	Bin1	
IPI00880742.1	Dpp6	2.07	-					0.89	1.43	Dpp6	Dpp6	
IPI00318496.1	Gad1	2.32	1.08			1.74				Gad1	Gad1	

IPI00331182.4	Gpd2	1.49	-			0.52	0.56	0.94	0.58	Gpd2	Gpd2
IPI00876084.1	Gpd2	1.51	1.06			0.52	0.56	0.94	0.58	Gpd2	Gpd2
IPI00395134.4	Homer1	1.94	0.78				0.81	0.72	0.60	Homer1	Homer1
IPI00349908.6	Il1rapl1	1.65	-							Il1rapl1	Il1rapl1
IPI00463026.4	Il1rapl1	2.58	1.53							Il1rapl1	Il1rapl1
IPI00757585.1	Klc2	0.78	0.95	2.27	0.64		0.46	1.03	0.79	Klc2	Klc2
IPI00753928.1	Klc2	0.78	-	2.27	0.64		0.46	1.03	0.79	Klc2	Klc2
IPI00844651.1	Klc2	0.78	-	2.27	0.64		0.46	1.03	0.79	Klc2	Klc2
IPI00225254.6	Mtx2	1.49	1.08					1.42	0.69	Mtx2	Mtx2
IPI00676211.4	Psd3	1.79	0.96					2.07	1.04	Psd3	Psd3
IPI00874973.1	Psd3	1.79	-					2.07	1.04	Psd3	Psd3
IPI00875485.1	Psd3	1.79	-					2.07	1.04	Psd3	Psd3
IPI00407352.4	Psd3	1.83	-					2.07	1.04	Psd3	Psd3
IPI00881789.1	Psd3	1.85	-					2.07	1.04	Psd3	Psd3
IPI00620507.2	Psd3	1.85	-					2.07	1.04	Psd3	Psd3
IPI00761643.2	Psd3	1.88	-					2.07	1.04	Psd3	Psd3
IPI00761957.1	Psd3	1.95	-					2.07	1.04	Psd3	Psd3
IPI00118769.2	Rgs7	1.96	0.92							Rgs7	Rgs7
IPI00627029.1	Rgs7	2.02	0.89							Rgs7	Rgs7
IPI00875257.1	Rgs7	2.02	-							Rgs7	Rgs7
IPI00308162.3	Slc25a12	1.45	1.05			0.57	0.68	1.20	0.89	Slc25a12	Slc25a12
IPI00555118.4	Slc4a10	2.55	0.89							Slc4a10	Slc4a10
IPI00752501.2	Slc4a10	2.55	1.21							Slc4a10	Slc4a10
IPI00227302.6	Slc4a10	2.55	-							Slc4a10	Slc4a10
IPI00131618.1	Stx1a	1.66	1.00			0.59	0.48	2.18	0.82	Stx1a	Stx1a
IPI00134492.4	Syn2	2.67	0.99			0.84	0.62	1.32	0.87	Syn2	Syn2
IPI00469548.2	Syn2	2.71	0.93			0.84	0.62	1.32	0.87	Syn2	Syn2
IPI00407499.1	Abat	2.54	0.99	1.86	0.31	0.65	0.90	1.14	0.68	Abat	
IPI00816877.1	Adcy5	1.50	0.76							Adcy5	ADCY5
IPI00756908.2	Adcy5	1.50	-							Adcy5	ADCY5
IPI00273164.1	Aldh5a1	1.54	1.01			1.08	0.40	1.01	0.77	Aldh5a1	
IPI00877328.1	Camk4	1.55	0.88					0.43	0.68	Camk4	
IPI00132526.1	Camk4	1.55	-					0.43	0.68	Camk4	
IPI00134997.3	Dlgap3	2.48	-							Dlgap3	DLGAP3
IPI00648401.1	Dlgap3	2.67	0.59							Dlgap3	DLGAP3
IPI00556723.1	Dnm1l	1.54	0.93	0.74	0.69	0.57	0.38	0.43	0.11	Dnm1l	
IPI00830456.1	Dpp10	1.92	0.85							Dpp10	
IPI00396687.3	Dpp10	1.92	-							Dpp10	
IPI00118978.4	Hcn1	2.41	0.70							Hcn1	
IPI00885751.1	Hsd11b1	6.10	1.23							Hsd11b1	
IPI00115599.6	Hsd11b1	6.10	-							Hsd11b1	
IPI00124792.1	Kcnj10	2.75	1.00					1.27	0.83	Kcnj10	
IPI00944790.1	Maob	1.92	0.92					0.82	1.99	Maob	
IPI00226140.5	Maob	1.92	-					0.82	1.99	Maob	
IPI00331332.6	Ndufa5	1.50	1.03				0.85	0.77	0.98	Ndufa5	
IPI00338880.3	Nrcam	1.49	0.90	1.41	1.09	1.06	0.65	0.80	0.59	Nrcam	
IPI00876075.1	Nrcam	1.61	0.80	1.41	1.09	1.06	0.65	0.80	0.59	Nrcam	
IPI00121349.3	Ppp1r1b	2.79	0.82							Ppp1r1b	
IPI00356608.4	Aak1	1.93	-			0.49	0.73	1.77	0.65		Aak1 AAK1

IPI00458612.5	Aak1	2.01	0.87			0.49	0.73	1.77	0.65	Aak1	AAK1
IPI00762047.1	Acly	0.78	0.77	1.10	0.83	0.92	0.90	1.08	0.69	Acly	ACLY
IPI00126248.3	Acly	0.78	0.95	1.10	0.83	0.92	0.90	1.08	0.69	Acly	ACLY
IPI00116074.1	Aco2	1.61	1.01	0.43	0.49	0.67	0.86	1.03	0.47	Aco2	ACO2
IPI00453834.2	Acsbg1	1.94	0.89	1.01	1.25	0.83	1.44	1.32	1.02	Acsbg1	
IPI00649775.1	Acsl6	2.20	0.96			1.10	1.00	2.06	0.90	Acsl6	
IPI00262693.4	Acsl6	2.20	-			1.10	1.00	2.06	0.90	Acsl6	
IPI00625955.1	Acsl6	2.24	1.01			1.10	1.00	2.06	0.90	Acsl6	
IPI00123390.8	Acsl6	2.24	-			1.10	1.00	2.06	0.90	Acsl6	
IPI00553820.1	Acsl6	2.24	-			1.10	1.00	2.06	0.90	Acsl6	
IPI00380436.1	Actn1	2.17	0.93	0.65	0.65	0.90	0.91	0.64	0.88	Actn1	
IPI00515160.2	Adam22	1.78	0.79							Adam22	
IPI00755165.1	Adam22	1.78	-							Adam22	
IPI00515604.2	Adam22	1.78	-							Adam22	
IPI00515396.2	Adam22	1.78	-							Adam22	
IPI00515580.2	Adam22	1.78	-							Adam22	
IPI00753070.1	Adam22	1.78	-							Adam22	
IPI00753519.1	Adam22	1.78	-							Adam22	
IPI00749834.1	Adam22	1.78	-							Adam22	
IPI00404650.2	Adam22	1.78	-							Adam22	
IPI00752334.1	Adam22	1.78	-							Adam22	
IPI00515509.2	Adam22	1.78	-							Adam22	
IPI00753983.1	Adam22	1.78	-							Adam22	
IPI00752342.1	Adam22	1.78	-							Adam22	
IPI00458023.4	Adam23	2.29	0.84							Adam23	
IPI00129175.1	Adam23	2.29	-							Adam23	
IPI00648033.1	Adam23	2.29	-							Adam23	
IPI00649891.2	Adam23	2.29	-							Adam23	
IPI00480277.1	Adam23	2.29	-							Adam23	
IPI00648288.1	Adam23	2.29	-							Adam23	
IPI00650001.3	Adam23	2.29	-							Adam23	
IPI00458025.2	Adam23	2.29	-							Adam23	
IPI00113606.2	Agk	1.41	1.06					1.03	0.59	Agk	
IPI00750256.2	Ak1	1.58	0.96	0.87	0.45	0.62	0.78	1.13	0.82	Ak1	
IPI00128209.3	Ak1	1.58	-	0.87	0.45	0.62	0.78	1.13	0.82	Ak1	
IPI00856379.1	Aldoa	2.26	0.99	0.68	1.96	1.61	0.58			Aldoa	ALDOA
IPI00221402.7	Aldoa	2.26	-	0.68	1.96	1.61	0.58			Aldoa	ALDOA
IPI00119458.7	Aldoc	2.24	0.93	1.56	0.78	1.57	0.75	1.00	0.89	Aldoc	ALDOC
IPI00400180.1	Amph	1.41	1.03	0.83	0.40	0.46	0.73	0.79	0.67	Amph	AMPH
IPI00664176.1	Anks1b	4.35	0.83							Anks1b	
IPI00346965.5	Ap1b1	1.51	-	0.56	0.44	0.37	0.59	1.12	0.78	Ap1b1	AP1B1
IPI00648683.3	Ap1b1	1.53	0.94	0.56	0.44	0.37	0.59	1.12	0.78	Ap1b1	AP1B1
IPI00108780.7	Ap2a1	1.64	0.74	1.27	1.28	1.04	0.92	1.28	0.70	Ap2a1	AP2A1
IPI00622911.1	Ap2a1	1.64	0.96	1.27	1.28	1.04	0.92	1.28	0.70	Ap2a1	AP2A1
IPI00753468.2	Ap2a2	1.34	0.88	1.01	0.62	1.04	0.75	1.33	0.60	Ap2a2	AP2A2
IPI00378063.1	Ap2b1	1.36	0.88	0.76	0.67	0.50	0.57	1.05	0.68	Ap2b1	AP2B1
IPI00622811.2	Ap2m1	1.58	0.91	2.84	0.91	1.05	0.86			Ap2m1	
IPI00116356.5	Ap2m1	1.58	1.14	2.84	0.91	1.05	0.86			Ap2m1	
IPI00658743.2	Apoo	1.62	1.18					0.99	0.80	Apoo	

IPI00121576.2	Apoo	1.62	-					0.99	0.80	Apoo	
IPI00670400.2	Apoo	1.62	-					0.99	0.80	Apoo	
IPI00221614.3	Arf3	1.32	0.94							Arf3	ARF3
IPI00900466.1	Arhgef2	1.84	1.09					0.90	0.47	Arhgef2	ARHGEF2
IPI00900401.1	Arhgef2	1.84	1.19					0.90	0.47	Arhgef2	ARHGEF2
IPI00310764.7	Arhgef2	1.84	1.25					0.90	0.47	Arhgef2	ARHGEF2
IPI00757909.2	Armc10	0.65	1.18			0.53	0.60	1.58	0.61	Armc10	
IPI00857618.1	Armc10	0.65	-			0.53	0.60	1.58	0.61	Armc10	
IPI00137460.3	Armc10	0.65	-			0.53	0.60	1.58	0.61	Armc10	
IPI00661414.2	Arpc2	1.23	0.94	0.89	1.36	0.05	0.28	0.90	0.81	Arpc2	
IPI00311682.5	Atp1a1	2.31	0.86	1.34	0.65	1.51	0.96	0.97	0.94	Atp1a1	ATP1A1
IPI00762871.2	Atp1a2	1.93	0.79	1.69	0.93	1.51	0.77	1.08	0.93	Atp1a2	ATP1A2
IPI00420569.2	Atp1a2	2.00	0.84	1.69	0.93	1.51	0.77	1.08	0.93	Atp1a2	ATP1A2
IPI00752412.1	Atp1a3	1.86	0.68	1.48	0.89	2.12	0.61	1.01	0.74	Atp1a3	ATP1A3
IPI00122048.2	Atp1a3	1.89	0.81	1.48	0.89	2.12	0.61	1.01	0.74	Atp1a3	ATP1A3
IPI00121550.3	Atp1b1	1.94	0.86	1.19	0.62	0.87	0.56	1.49	0.60	Atp1b1	ATP1B1
IPI00556827.1	Atp2b1	1.58	0.85			0.75	0.59	1.58	0.78	Atp2b1	
IPI00776035.1	Atp2b3	2.31	-				0.45	0.40	0.03	Atp2b3	
IPI00130280.1	Atp5a1	1.51	1.08			0.77	0.84	1.14	0.77	Atp5a1	ATP5A1
IPI00468481.2	Atp5b	1.47	1.08	0.78	0.76	0.88	1.17	1.03	0.69	Atp5b	ATP5B
IPI00776084.1	Atp5c1	1.26	-			0.72	0.70	0.95	0.83	Atp5c1	
IPI00750074.1	Atp5c1	1.33	1.08			0.72	0.70	0.95	0.83	Atp5c1	
IPI00313475.1	Atp5c1	1.35	-			0.72	0.70	0.95	0.83	Atp5c1	
IPI00228526.3	Atp6v0a1	1.93	0.90			1.15	0.53	1.08	0.56	Atp6v0a1	ATP6V0A1
IPI00228525.2	Atp6v0a1	1.93	-			1.15	0.53	1.08	0.56	Atp6v0a1	ATP6V0A1
IPI00313841.1	Atp6v0d1	1.82	0.94			0.98	1.97	0.94	0.81	Atp6v0d1	ATP6V0D1
IPI00407692.3	Atp6v1a	2.06	0.91	1.26	0.73	0.56	0.71	0.98	0.77	Atp6v1a	
IPI00119113.3	Atp6v1b2	1.90	0.88	1.35	1.09	0.98	0.66	0.79	1.05	Atp6v1b2	ATP6V1B2
IPI00130186.4	Atp6v1c1	2.24	0.91				0.98	1.11	0.48	Atp6v1c1	
IPI00118787.1	Atp6v1d	1.96	0.92	0.60	0.49		0.63	1.14	0.90	Atp6v1d	
IPI00119115.2	Atp6v1e1	2.02	0.87	1.57	0.59	0.35	1.27	1.00	0.79	Atp6v1e1	
IPI00311461.1	Atp6v1h	1.85	0.88	0.92	0.53	1.42	0.73	0.95	0.83	Atp6v1h	
IPI00944706.1	Bcas1	5.00	0.85				2.75			Bcas1	
IPI00330860.2	Bcas1	5.00	-				2.75			Bcas1	
IPI00890322.1	Bdh1	1.52	1.14			0.65	0.83	1.27	0.64	Bdh1	
IPI00330754.1	Bdh1	1.53	-			0.65	0.83	1.27	0.64	Bdh1	
IPI00131896.1	Brp44	1.73	0.89			1.47				Brp44	
IPI00124292.1	Brp44i	1.62	-							Brp44i	
IPI00918701.1	Brp44i	1.81	0.73							Brp44i	
IPI00461199.2	Bsn	3.52	0.70							Bsn	BSN
IPI00134093.4	Bsn	3.57	0.75							Bsn	BSN
IPI00119130.1	Btbd17	3.07	1.08							Btbd17	
IPI00788326.1	Cacnb3	1.58	1.20							Cacnb3	CACNB3
IPI00788347.1	Cacnb3	1.58	-							Cacnb3	CACNB3
IPI00930809.1	Cacng3	4.08	0.75							Cacng3	
IPI00119346.1	Calb2	1.49	1.04					0.98	0.42	Calb2	
IPI00420725.4	Camk2a	2.83	-	1.35	0.37	1.93	0.64	1.29	0.78	Camk2a	CAMK2A
IPI00621806.2	Camk2a	3.00	0.75	1.35	0.37	1.93	0.64	1.29	0.78	Camk2a	CAMK2A
IPI00858128.1	Camk2d	2.00	0.64	2.20	0.48	1.29	0.60	0.76	0.80	Camk2d	

IPI00112584.3	Camk2d	2.07	-	2.20	0.48	1.29	0.60	0.76	0.80	Camk2d	
IPI00406790.6	Camk2d	2.07	0.90	2.20	0.48	1.29	0.60	0.76	0.80	Camk2d	
IPI00828919.2	Camk2d	2.14	-	2.20	0.48	1.29	0.60	0.76	0.80	Camk2d	
IPI00228044.1	Camk2g	1.72	0.67	2.92	0.42		0.56	1.54	0.52	Camk2g	
IPI00124695.1	Camk2g	1.72	0.93	2.92	0.42		0.56	1.54	0.52	Camk2g	
IPI00122486.3	Camkv	1.29	0.75	0.69		0.89	0.55	1.55	1.42	Camkv	
IPI00111265.3	Capza2	1.29	0.95	0.58	0.49	0.74	0.55	1.10	0.70	Capza2	
IPI00312058.5	Cat	0.61	-	1.20	1.25	1.26	1.33			Cat	
IPI00869393.1	Cat	0.64	0.93	1.20	1.25	1.26	1.33			Cat	
IPI00116283.1	Cct3	0.62	0.95	0.85	0.78	0.93	0.88	0.99	0.86	Cct3	
IPI00116277.3	Cct4	0.61	0.91	1.00	1.15	0.89	1.06	0.87	0.76	Cct4	
IPI00116279.3	Cct5	0.62	0.95	0.99	0.97	0.82	0.90	0.86	0.97	Cct5	
IPI00116281.3	Cct6a	0.62	0.85	1.06	0.50	0.80	0.34	0.91	0.70	Cct6a	
IPI00331174.5	Cct7	0.63	0.94	0.87	0.97	0.66	0.69	0.97	0.80	Cct7	
IPI00469268.5	Cct8	0.35	0.99	0.94	1.08	0.80	0.63			Cct8	
IPI00775975.1	Cdh13	1.31	0.83			0.54				Cdh13	
IPI00122826.1	Cend1	2.25	1.18					1.62	1.12	Cend1	
IPI00136703.1	Ckb	1.87	0.90	0.57	1.31	0.77	0.66	0.83	0.77	Ckb	CKB
IPI00128296.1	Ckmt1	2.31	1.08				0.60	1.37	0.71	Ckmt1	
IPI00228978.2	Cltb	2.82	1.01	0.61	0.84	0.63		0.76	1.25	Cltb	
IPI00648173.1	Cltc	1.47	0.91	1.13	0.83	0.88	0.85	0.96	0.78	Cltc	CLTC
IPI00169916.11	Cltc	1.53	-	1.13	0.83	0.88	0.85	0.96	0.78	Cltc	CLTC
IPI00474100.1	Cnksr2	2.08	1.32							Cnksr2	
IPI00319602.3	Cnp	1.58	0.87	0.48	1.07	0.59	1.61			Cnp	CNP
IPI00229598.4	Cnp	1.63	0.78	0.48	1.07	0.59	1.61			Cnp	CNP
IPI00131693.2	Cntfr	1.28	0.90							Cntfr	
IPI00123058.1	Cntn1	1.32	0.93		0.60	1.00	0.57	1.58	0.59	Cntn1	
IPI00323600.4	Coro1a	1.61	-	0.71	0.28	0.64	0.38	0.86	0.46	Coro1a	
IPI00856886.1	Coro1a	1.67	1.02	0.71	0.28	0.64	0.38	0.86	0.46	Coro1a	
IPI00113141.1	Cs	1.24	1.00			1.13	1.13	0.98	0.78	Cs	
IPI00132728.2	Cyc1	1.42	1.21			0.64	0.72	0.97	0.74	Cyc1	
IPI00845772.1	Cyc1	1.45	1.04			0.64	0.72	0.97	0.74	Cyc1	
IPI00405625.9	Cyfp2	1.40	0.89			1.19				Cyfp2	CYFIP2
IPI00133284.1	D10Jhu81e	2.05	1.01			0.52	0.33			D10Jhu81e	
IPI00874461.1	D430041D05Rik	1.75	0.79					5.13	0.60	D430041D05Rik	
IPI00751337.3	D430041D05Rik	1.75	-					5.13	0.60	D430041D05Rik	
IPI00387379.1	Decr1	1.34	0.93			0.97		1.74	1.29	Decr1	
IPI00816974.1	Dgkb	3.39	0.97							Dgkb	
IPI00421000.2	Dgkb	3.39	-							Dgkb	
IPI00153660.4	Dlat	1.41	1.13			0.88	0.81	1.08	0.90	Dlat	
IPI00874456.1	Dld	1.33	1.06			1.10		1.13	0.71	Dld	
IPI00674640.1	Dlg1	3.10	0.92							Dlg1	
IPI00775854.1	Dlg2	2.28	0.69			1.02	0.47	0.91	0.64	Dlg2	DLG2
IPI00226727.4	Dlg2	2.63	0.83			1.02	0.47	0.91	0.64	Dlg2	DLG2
IPI00623890.1	Dlg3	1.61	0.74				0.24	1.19	0.87	Dlg3	
IPI00136350.3	Dlg3	1.61	-				0.24	1.19	0.87	Dlg3	
IPI00753580.1	Dlg3	1.61	-				0.24	1.19	0.87	Dlg3	
IPI00752220.1	Dlgap4	1.74	0.72					0.71	0.87	Dlgap4	DLGAP4
IPI00330186.3	Dlgap4	1.74	-					0.71	0.87	Dlgap4	DLGAP4

IPI00134809.2	Dist	1.37	1.20			1.01		1.03	0.69	Dist	
IPI00890133.1	Dnm1	2.86	0.88	0.32		0.63	0.32	1.64	0.54	Dnm1	DNM1
IPI00465648.3	Dnm1	2.86	-	0.32		0.63	0.32	1.64	0.54	Dnm1	DNM1
IPI00331293.3	Dnm1	3.06	0.87	0.32		0.63	0.32	1.64	0.54	Dnm1	DNM1
IPI00314883.4	Dnm2	1.37	-			1.76		0.63	0.93	Dnm2	
IPI00131445.2	Dnm2	1.37	-			1.76		0.63	0.93	Dnm2	
IPI00749677.3	Dnm2	1.41	0.92			1.76		0.63	0.93	Dnm2	
IPI00625738.3	Dnm3	1.33	0.90			0.55	0.33	1.31	0.52	Dnm3	
IPI00227432.7	Dnm3	1.33	-			0.55	0.33	1.31	0.52	Dnm3	
IPI00624192.3	Dpysl5	0.55	1.12	1.84	0.44	0.75	0.47			Dpysl5	
IPI00110990.1	Dusp3	2.13	-	0.67		1.52		0.74	0.76	Dusp3	
IPI00307837.6	Eef1a1	0.54	1.05	0.83		0.94	1.06	1.04	0.82	Eef1a1	
IPI00466069.3	Eef2	0.62	1.12	1.20		0.80	0.87	0.82	0.89	Eef2	EEF2
IPI00135677.2	Ehd3	1.64	0.97					0.82	1.39	Ehd3	
IPI00462072.3	Eno1	1.68	0.91	0.67		0.87	0.95	0.67		Eno1	
IPI00331704.7	Eno2	2.83	0.90	0.60		0.49	0.76	0.91	0.78	Eno2	
IPI00229295.1	Epb4.1l3	1.63	0.88				0.83	0.92		Epb4.1l3	
IPI00229294.1	Epb4.1l3	1.63	0.95				0.83	0.92		Epb4.1l3	
IPI00464296.5	Epb4.1l3	1.63	0.97				0.83	0.92		Epb4.1l3	
IPI00125501.1	Epb4.1l3	1.70	-				0.83	0.92		Epb4.1l3	
IPI00460558.3	Erc2	1.96	0.44					0.44	0.38	Erc2	
IPI00420931.1	Erc2	1.96	-					0.44	0.38	Erc2	
IPI00121322.2	Etfdh	1.67	1.27				1.72	0.36		Etfdh	
IPI00113223.2	Fasn	0.47	0.85	1.00		1.07	0.88	0.81	1.00	Fasn	FASN
IPI00117181.1	Flot1	1.54	0.94				0.67	0.84	0.91	Flot1	
IPI00124245.1	G3bp2	0.63	1.14	1.31		0.36	0.90	0.97	1.33	G3bp2	
IPI00115827.1	Gbas	1.70	-				1.23	0.62	0.69	Gbas	
IPI00651782.2	Gbas	1.72	1.05				1.23	0.62	0.69	Gbas	
IPI00134137.1	Gdap1	1.42	0.98					0.61	0.32	Gdap1	
IPI00620728.2	Gdap1l1	1.52	1.02	1.03		3.16		0.46	0.53	Gdap1l1	
IPI00123756.1	Gdap1l1	1.52	-	1.03		3.16		0.46	0.53	Gdap1l1	
IPI00380273.1	Gja1	2.57	0.72				0.47	1.87	1.36	Gja1	
IPI00114209.1	Glud1	1.57	0.99			6.64	0.66	1.55	1.01	Glud1	
IPI00626790.3	Glul	2.64	0.93	1.57		0.81		0.72	1.73	Glul	GLUL
IPI00227838.4	Gng12	1.57	0.98						1.27	Gng12	
IPI00117312.1	Got2	1.55	0.96				1.24	0.56	1.14	Got2	
IPI00122974.1	Gpm6a	2.12	0.82	1.35		0.64	1.00	1.00	1.61	Gpm6a	GPM6A
IPI00465871.1	Gpr158	5.69	0.79							Gpr158	GPR158
IPI00845711.1	Gria2	1.46	0.77					2.20	1.44	Gria2	
IPI00608015.1	Gria2	1.46	0.94					2.20	1.44	Gria2	
IPI00136967.2	Gria2	1.46	-					2.20	1.44	Gria2	
IPI00470956.1	Grm7	0.30	0.78							Grm7	
IPI00223092.5	Hadha	1.70	1.08				0.80	0.99	1.02	Hadha	
IPI00115607.3	Hadhb	2.13	-				0.75	1.07	1.07	Hadhb	
IPI00928559.1	Hk1	1.75	1.11	0.32		2384.50	0.74	0.63	0.98	Hk1	HK1
IPI00283611.1	Hk1	1.75	-	0.32		2384.50	0.74	0.63	0.98	Hk1	HK1
IPI00759938.1	Hk1	1.75	-	0.32		2384.50	0.74	0.63	0.98	Hk1	HK1
IPI00762858.1	Hk1	1.80	1.07	0.32		2384.50	0.74	0.63	0.98	Hk1	HK1
IPI00911164.1	Hras1	1.26	0.91	0.99				0.80	0.66	Hras1	

IPI00403929.4	Hras1	1.26	1.00	0.99			0.80	0.66	0.22	Hras1
IPI00605942.2	Hras1	1.26	-	0.99			0.80	0.66	0.22	Hras1
IPI00129526.1	Hsp90b1	0.80	1.09	0.69	0.56	0.81	0.68			Hsp90b1
IPI00279443.1	Hspa12a	1.47	0.94							Hspa12a
IPI00880839.1	Hspa9	1.24	1.02			0.77	1.30	0.89	1.02	Hspa9
IPI00133903.1	Hspa9	1.24	-			0.77	1.30	0.89	1.02	Hspa9
IPI00453499.3	Iars2	1.38	1.05				0.42	0.80	0.73	Iars2
IPI00459725.2	Idh3a	1.67	1.01			0.45	0.30	1.09	0.60	Idh3a
IPI00126635.1	Idh3b	1.85	1.02			0.59	0.50	1.06	0.62	Idh3b
IPI00109169.1	Idh3g	1.57	1.06			0.85	0.32	0.98	0.43	Idh3g
IPI00554845.2	Immt	1.38	1.03			0.74	0.84	1.12	0.82	Immt
IPI00228150.1	Immt	1.48	-			0.74	0.84	1.12	0.82	Immt
IPI00381413.2	Immt	1.60	1.01			0.74	0.84	1.12	0.82	Immt
IPI00381412.1	Immt	1.60	1.03			0.74	0.84	1.12	0.82	Immt
IPI00762507.2	Iqsec1	2.03	0.84					0.69	0.53	Iqsec1
IPI00761443.2	Iqsec1	2.06	-					0.69	0.53	Iqsec1
IPI00751369.1	Ldha	1.38	0.94	1.09	1.10	0.60	0.71	0.85	0.92	Ldha
IPI00319994.6	Ldha	1.38	-	1.09	1.10	0.60	0.71	0.85	0.92	Ldha
IPI00229510.5	Ldhb	2.45	0.94	0.70	1.23	0.62	0.73	1.08	0.70	Ldhb
IPI00131177.1	Letm1	1.44	1.04			0.85	0.54	1.33	0.45	Letm1
IPI00120302.1	Lgi1	2.21	0.81							Lgi1
IPI00119063.2	Lrp1	0.67	1.11		0.88	0.99	1.48	1.03	0.92	Lrp1
IPI00123281.1	Lrrc59	0.75	-			0.36	0.69			Lrrc59
IPI00653744.1	Lrrc59	0.76	1.09			0.36	0.69			Lrrc59
IPI00652675.2	Lsamp	1.65	0.81			0.66	0.58	3.02	1.07	Lsamp
IPI00222833.1	Lsamp	1.65	-			0.66	0.58	3.02	1.07	Lsamp
IPI00848566.1	Macf1	0.62	0.84	0.71	0.65	0.93	0.86	0.87	0.88	Macf1
IPI00276515.4	Mag	3.43	0.69							Mag
IPI00230151.1	Mag	3.43	0.74							Mag
IPI00223377.1	Mbp	1.25	0.94	4.77		0.83	0.24			Mbp
IPI00323592.2	Mdh2	1.48	0.99	0.69	1.00	0.74	1.35	0.97	0.67	Mdh2
IPI00132002.1	Mgst3	1.50	1.14					1.53	0.23	Mgst3
IPI00756238.2	Mpp2	2.67	0.86				0.39	1.85	0.50	Mpp2
IPI00125147.4	Mpp2	2.67	-				0.39	1.85	0.50	Mpp2
IPI00676243.2	Mtap1a	2.07	0.99	1.08	0.71	0.89	0.39			Mtap1a
IPI00408909.4	Mtap1a	2.07	-	1.08	0.71	0.89	0.39			Mtap1a
IPI00896700.1	Mtap1b	0.28	0.97	2.19	0.44	0.87	0.53			Mtap1b
IPI00894724.1	Mtap2	1.50	1.10	1.61	0.54	0.83	0.79			Mtap2
IPI00118075.1	Mtap2	1.56	-	1.61	0.54	0.83	0.79			Mtap2
IPI00132039.2	Mtch2	1.34	1.10			0.59	0.61	1.08	0.57	Mtch2
IPI00131176.1	mt-Co2	1.61	0.97			0.63	0.25			mt-Co2
IPI00938432.1	Mtx1	1.48	1.05				0.44	1.19	0.55	Mtx1
IPI00112327.2	Mtx1	1.48	-				0.44	1.19	0.55	Mtx1
IPI00886413.1	Mtx1	1.56	-				0.44	1.19	0.55	Mtx1
IPI00123181.4	Myh9	1.49	1.06	0.60	0.80	0.94	0.49	0.57	1.14	Myh9
IPI00762700.2	Myo6	1.51	-	0.71	0.51	0.67	1.07	0.79	0.56	Myo6
IPI00623496.5	Myo6	1.54	0.91	0.71	0.51	0.67	1.07	0.79	0.56	Myo6
IPI00462752.4	Myo6	1.54	-	0.71	0.51	0.67	1.07	0.79	0.56	Myo6
IPI00776145.1	Myo6	1.60	-	0.71	0.51	0.67	1.07	0.79	0.56	Myo6

IPI00831080.1	Pde10a	1.67	-							Pde10a	
IPI00762623.1	Pde2a	1.84	0.92			0.62	2.58	4.07		Pde2a	PDE2A
IPI00918129.1	Pde2a	1.86	0.92			0.62	2.58	4.07		Pde2a	PDE2A
IPI00337893.2	Pdha1	1.56	1.10			1.03	1.18	0.99	0.84	Pdha1	
IPI00132042.1	Pdhb	1.46	1.06	0.44		0.71	0.74	0.94	0.48	Pdhb	
IPI00222496.3	Pdia6	0.56	1.04	0.42	0.53	0.77	0.89	1.22	0.85	Pdia6	
IPI00387312.2	Pfkl	1.44	0.81	0.77	1.38		0.15	0.73	0.66	Pfkl	
IPI00331541.5	Pfkm	1.92	0.83	0.81	0.98	1.34	1.14	1.07	0.80	Pfkm	PFKM
IPI00927975.1	Pfkp	4.52	0.88	0.59	0.87			0.74	0.72	Pfkp	
IPI00124444.1	Pfkp	4.52	-	0.59	0.87			0.74	0.72	Pfkp	
IPI00457898.3	Pgam1	1.69	0.94	0.91	0.71	0.91	0.36	0.91	0.55	Pgam1	
IPI00115875.8	Pi4ka	2.13	0.80			0.04		0.91	0.44	Pi4ka	PI4KA
IPI00757327.1	Pkp4	1.75	0.68					1.74	0.55	Pkp4	PKP4
IPI00473693.3	Pkp4	1.81	-					1.74	0.55	Pkp4	PKP4
IPI00230061.2	Plec	1.78	0.83					0.86	0.90	Plec	PLEC
IPI00944107.1	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00400215.3	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00421268.1	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00400214.3	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00421267.1	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00626385.4	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00421271.1	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00625928.3	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00229509.3	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00468273.4	Plec	1.78	-					0.86	0.90	Plec	PLEC
IPI00400209.1	Plec	1.83	-					0.86	0.90	Plec	PLEC
IPI00115626.1	Ppap2b	2.14	0.81			0.97	1.65	1.64	0.47	Ppap2b	
IPI00121545.1	Ppp3ca	2.36	0.94	1.06	0.61	1.05	0.54	0.81	0.58	Ppp3ca	PPP3CA
IPI00756703.1	Ppp3ca	2.51	-	1.06	0.61	1.05	0.54	0.81	0.58	Ppp3ca	PPP3CA
IPI00758024.1	Prdx6	1.81	0.94	0.44	1.72	0.75	1.47	0.90	0.85	Prdx6	
IPI00555059.2	Prdx6	1.86	-	0.44	1.72	0.75	1.47	0.90	0.85	Prdx6	
IPI00875652.1	Prkar1a	1.78	-					0.95	1.04	Prkar1a	
IPI00884460.1	Prkca	2.14	0.95			0.55	0.48	0.83	0.67	Prkca	
IPI00122069.1	Prkcc	3.70	0.94		0.44		0.37			Prkcc	
IPI00120793.1	Prnp	2.19	-					0.88	1.39	Prnp	
IPI00462846.3	Ptprd	1.40	-			1.33	1.27			Ptprd	PTPRD
IPI00462847.1	Ptprd	1.41	0.94			1.33	1.27			Ptprd	PTPRD
IPI00551337.1	Ptprd	1.41	-			1.33	1.27			Ptprd	PTPRD
IPI00608063.3	Ptprd	1.43	-			1.33	1.27			Ptprd	PTPRD
IPI00876285.1	Ptprd	1.44	-			1.33	1.27			Ptprd	PTPRD
IPI00556869.1	Ptprd	1.45	0.67			1.33	1.27			Ptprd	PTPRD
IPI00465836.4	Ptprd	1.45	-			1.33	1.27			Ptprd	PTPRD
IPI00875798.1	Ptprd	1.46	0.95			1.33	1.27			Ptprd	PTPRD
IPI00118447.1	Pura	1.84	1.11	1.17	0.66	0.79	0.99			Pura	
IPI00128867.3	Purb	2.44	1.03	1.10	0.82	0.95	0.70	1.58	0.72	Purb	
IPI00229796.3	Pygb	1.31	0.80	0.50	0.70	0.84	0.39	1.34	0.73	Pygb	
IPI00122965.1	Rab3a	2.37	0.92					1.35	0.60	Rab3a	
IPI00761613.1	Rac1	1.37	0.84	0.98	0.91	0.98	1.04	1.14	0.79	Rac1	
IPI00127408.3	Rac1	1.39	-	0.98	0.91	0.98	1.04	1.14	0.79	Rac1	

IPI00396701.3	Rap2a	1.55	0.88			1.07	166.42	0.19	Rap2a	
IPI00895295.1	Rapgef2	1.68	0.85				2.68	0.67	Rapgef2	RAPGEF2
IPI00853823.2	Rapgef2	1.77	-				2.68	0.67	Rapgef2	RAPGEF2
IPI00265467.3	Rgs6	1.95	1.10				1.13	0.22	Rgs6	
IPI00222930.4	Rhot1	1.27	-			1.27	0.91	0.84	Rhot1	
IPI00515349.1	Rhot1	1.27	-			1.27	0.91	0.84	Rhot1	
IPI00123186.4	Rhot1	1.35	1.13			1.27	0.91	0.84	Rhot1	
IPI00553828.2	Rims1	1.63	-						Rims1	
IPI00118692.6	Rims1	1.63	-						Rims1	
IPI00553696.2	Rims1	1.63	-						Rims1	
IPI00553549.2	Rims1	1.63	-						Rims1	
IPI00136021.6	Rims1	1.75	0.81						Rims1	
IPI00111151.2	Rph3a	2.43	0.90						Rph3a	RPH3A
IPI00849927.1	Rpl10a	0.72	1.17	1.16	0.56	0.70			Rpl10a	
IPI00754992.1	Rpn2	0.76	1.12		0.59	0.94			Rpn2	
IPI00889811.1	Rpn2	0.76	-		0.59	0.94			Rpn2	
IPI00475154.1	Rpn2	0.76	-		0.59	0.94			Rpn2	
IPI00112448.1	Rps10	0.64	1.10	1.46	0.57	0.64	1.00	0.97	Rps10	
IPI00830211.1	Rps10	0.64	-	1.46	0.57	0.64	1.00	0.97	Rps10	
IPI00125901.5	Rps13	0.64	-						Rps13	
IPI00480414.2	Rtn3	2.37	1.00	2.48	0.67	0.81	1.03	0.57	Rtn3	RTN3
IPI00470981.2	Rtn3	2.37	-	2.48	0.67	0.81	1.03	0.57	Rtn3	RTN3
IPI00469392.2	Rtn4	0.54	1.02	1.35	0.62	0.76	1.08	0.78	Rtn4	RTN4
IPI00338309.4	Ryr2	1.58	0.93						Ryr2	RYR2
IPI00845776.1	Sept3	1.74	0.93						Sept3	
IPI00416280.3	Sept5	1.84	-						Sept5	
IPI00874440.1	Sept7	1.65	0.86	0.47					Sept7	
IPI00224626.3	Sept7	1.72	-	0.47					Sept7	
IPI00751005.2	Sept8	3.71	0.85	0.83					Sept8	
IPI00875717.2	Sept8	3.71	-	0.83					Sept8	
IPI00880314.1	Sept8	3.71	-	0.83					Sept8	
IPI00331497.9	Sept8	3.71	-	0.83					Sept8	
IPI00928138.1	Sept8	3.71	-	0.83					Sept8	
IPI00126115.1	Sfxn3	1.55	1.05		0.53	0.80	1.32	0.50	Sfxn3	
IPI00221602.1	Sfxn5	2.33	1.24		7.47	1.05	0.70	0.52	Sfxn5	
IPI00283761.1	Sfxn5	2.33	1.24		7.47	1.05	0.70	0.52	Sfxn5	
IPI00875338.1	Sgip1	1.49	0.76				1.61	1.55	Sgip1	SGIP1
IPI00465788.4	Sgip1	1.49	-				1.61	1.55	Sgip1	SGIP1
IPI00623241.3	Sgip1	1.51	0.82				1.61	1.55	Sgip1	SGIP1
IPI00221501.2	Sh3bgrl2	2.65	-				1.06	0.18	Sh3bgrl2	
IPI00453689.1	Sipa111	2.45	0.44				1.56	0.79	Sipa111	SIPA1L1
IPI00453688.1	Sipa111	2.45	-				1.56	0.79	Sipa111	SIPA1L1
IPI00877254.1	Slc12a5	2.33	0.88			0.51	0.86	1.71	Slc12a5	SLC12A5
IPI00465769.3	Slc12a5	2.33	-			0.51	0.86	1.71	Slc12a5	SLC12A5
IPI00109153.6	Slc17a7	2.91	0.89						Slc17a7	SLC17A7
IPI00749872.1	Slc1a2	4.67	-		0.81		1.50	0.51	Slc1a2	SLC1A2
IPI00230290.1	Slc1a2	4.67	-		0.81		1.50	0.51	Slc1a2	SLC1A2
IPI00470184.2	Slc1a2	4.92	0.87		0.81		1.50	0.51	Slc1a2	SLC1A2
IPI00230289.1	Slc1a2	4.92	1.00		0.81		1.50	0.51	Slc1a2	SLC1A2

IPI00875419.1	Slc1a2	4.92	-			0.81		1.50	0.51	Slc1a2	SLC1A2
IPI00230754.5	Slc25a11	1.63	1.09			1.19	0.21	2.29	1.31	Slc25a11	
IPI00109275.1	Slc25a22	2.18	1.13			1.16	0.35	0.71	0.76	Slc25a22	
IPI00124771.1	Slc25a3	1.82	1.23			0.76	0.74	0.99	0.90	Slc25a3	
IPI00115564.5	Slc25a4	1.53	1.09	0.96		1.37	1.06	1.22	1.01	Slc25a4	
IPI00127841.3	Slc25a5	1.47	1.07			1.06	0.83	0.99	1.05	Slc25a5	
IPI00857092.1	Slc4a4	2.27	0.81			0.96	0.77	0.85	0.66	Slc4a4	SLC4A4
IPI00170310.1	Slc8a2	2.18	0.89				1.79	0.42	0.62	Slc8a2	SLC8A2
IPI00109109.1	Sod2	1.85	0.95			0.86	0.34	0.79	0.78	Sod2	
IPI00923680.1	Sorbs2	1.86	1.04					0.59	1.64	Sorbs2	SORBS2
IPI00673886.5	Sorbs2	1.86	-					0.59	1.64	Sorbs2	SORBS2
IPI00889824.1	Srcin1	1.88	0.68					0.65	0.52	Srcin1	SRCIN1
IPI00890037.1	Srcin1	1.93	0.86					0.65	0.52	Srcin1	SRCIN1
IPI00649708.1	Srcin1	2.01	0.90					0.65	0.52	Srcin1	SRCIN1
IPI00407158.2	Srr	1.91	1.04	0.90	0.44			0.56	0.45	Srr	
IPI00138217.2	Srr	1.91	-	0.90	0.44			0.56	0.45	Srr	
IPI00113149.1	Stx1b	1.39	-			0.39	0.84	1.42	0.83	Stx1b	
IPI00261627.1	Sucla2	1.63	0.95					0.56	0.81	Sucla2	
IPI00406442.3	Suclg1	1.51	0.97	3.03		0.32	0.77	1.31	1.30	Suclg1	
IPI00465810.3	Sv2a	2.06	0.86	1.88			0.47	0.76	0.92	Sv2a	SV2A
IPI00881540.3	Synj1	2.03	0.89		0.27		0.42	1.62	2.23	Synj1	SYNJ1
IPI00850983.3	Synj1	2.03	-		0.27		0.42	1.62	2.23	Synj1	SYNJ1
IPI00662157.3	Synpo	3.89	0.93					0.60	0.95	Synpo	SYNPO
IPI00850112.1	Synpo	3.89	-					0.60	0.95	Synpo	SYNPO
IPI00415558.1	Synpo	4.00	0.97					0.60	0.95	Synpo	SYNPO
IPI00123505.2	Syp	2.64	0.66	4.94	0.46	2.86	0.17	1.55	0.65	Syp	
IPI00756139.1	Syp	2.64	0.70	4.94	0.46	2.86	0.17	1.55	0.65	Syp	
IPI00750142.1	Syt1	2.70	0.83			0.99	0.59	0.67	0.53	Syt1	SYT1
IPI00129618.1	Syt1	2.70	-			0.99	0.59	0.67	0.53	Syt1	SYT1
IPI00129622.3	Syt2	2.26	1.03							Syt2	
IPI00109727.1	Thy1	3.22	0.81			2.71	0.50	0.88	0.75	Thy1	
IPI00137409.3	Tkt	0.74	0.89	0.78	1.13	1.01	0.58	1.02	0.82	Tkt	
IPI00929916.1	Tnr	1.88	0.95				1.17	0.96	0.33	Tnr	
IPI00227126.1	Tnr	1.88	-				1.17	0.96	0.33	Tnr	
IPI00751137.1	Tomm70a	1.66	1.03			0.67	0.86	1.20	0.66	Tomm70a	
IPI00467833.6	Tpi1	1.83	0.90	0.86	0.83	1.29	0.73	0.96	0.70	Tpi1	
IPI00119067.3	Tppp	3.80	0.92			0.76		0.61	0.49	Tppp	TPPP
IPI00757517.1	Ttc7b	3.50	0.63			0.71		1.19	0.34	Ttc7b	TTC7B
IPI00113244.3	Ttyh1	2.36	-					1.70		Ttyh1	TTYH1
IPI00623995.3	Ttyh1	2.60	-					1.70		Ttyh1	TTYH1
IPI00110753.1	Tuba1a	0.63	0.95	0.76	0.61	0.68	0.46	1.17	0.65	Tuba1a	
IPI00169463.1	Tubb2c	0.61	0.97	1.13	0.71	0.86	0.62			Tubb2c	
IPI00122928.1	Tubb6	0.59	0.88	1.72	0.62			0.90	0.89	Tubb6	
IPI00653598.2	Uqcrc1	1.44	1.04			0.91	0.82	1.06	0.87	Uqcrc1	UQCRC1
IPI00119138.1	Uqcrc2	1.44	1.05			0.85	1.08	0.93	0.54	Uqcrc2	
IPI00624653.1	Usmg5	1.68	1.17			0.74	0.75	2.79	0.58	Usmg5	
IPI00880852.1	Vamp2	1.88	1.01	2.60	0.90	1.55	0.37	1.02	0.74	Vamp2	VAMP2
IPI00229703.6	Vamp2	1.88	-	2.60	0.90	1.55	0.37	1.02	0.74	Vamp2	VAMP2
IPI00122549.1	Vdac1	1.55	1.02		1.28	0.86	0.44	0.90	0.77	Vdac1	

IPI00817008.1	Rgs7bp	3.15	0.77								RGS7BP
IPI00283600.2	Slc25a23	1.90	1.18					0.56	1.11		SLC25A23
IPI00227928.3	Slc6a1	1.93	0.77			0.50					SLC6A1
IPI00229554.5	Slc6a17	2.74	0.97								SLC6A17
IPI00757808.1	Snph	2.77	0.98								SNPH
IPI00608013.2	Snph	2.77	1.03								SNPH
IPI00227035.2	Snph	2.95	0.99								SNPH
IPI00221456.1	Sv2b	3.24	0.98								SV2B
IPI00112251.1	Tubb3	0.55	0.93	1.75	0.59	0.82	0.59	0.81	0.68		TUBB3
IPI00109073.5	Tubb4	0.54	0.95	0.95	0.69	0.74	0.56				TUBB4
IPI00277874.4	Stmn2	0.19	-	4.53	0.57	1.12		1.13	0.72		
IPI00890167.1	Stmn2	0.19	-	4.53	0.57	1.12		1.13	0.72		
IPI00314755.5	Hn1	0.22	-	1.44	0.58			0.99	0.73		
IPI00406447.3	Dpysl3	0.32	1.15	1.11	0.41	0.66	0.35	0.86	0.50		
IPI00122349.1	Dpysl3	0.32	1.46	1.11	0.41	0.66	0.35	0.86	0.50		
IPI00881485.1	Dpysl3	0.32	-	1.11	0.41	0.66	0.35	0.86	0.50		
IPI00874939.1	Slc35f1	0.33	1.27								
IPI00396670.3	Slc35f1	0.33	-								
IPI00831546.1	Chl1	0.34	1.23				0.29	1.44	1.30		
IPI00134058.3	Erp44	0.44	1.11					1.03	0.82		
IPI00134420.1	Gdpc1	0.50	1.08					4.91	0.64		
IPI00125960.1	Ndrp1	0.54	0.84					0.88	0.84		
IPI00943445.1	lars	0.57	1.16	1.17	0.30	0.24	0.78	0.82	0.86		
IPI00225201.5	lars	0.57	-	1.17	0.30	0.24	0.78	0.82	0.86		
IPI00112555.3	Gars	0.59	0.97	1.07	0.63	0.40	0.79	1.05	0.70		
IPI00228253.2	Acat2	0.60	0.97	1.05	0.68	0.78	0.23				
IPI00458204.8	Tubb2c-ps1	0.60	-	1.23	0.71	0.86	0.62				
IPI00117352.1	Tubb5	0.60	0.96	1.28	0.70	0.85	0.63	0.71	0.49		
IPI00117350.1	Tuba4a	0.60	0.97	0.71	0.62	0.68		3.52	0.93		
IPI00117348.4	Tuba1b	0.62	0.97	0.71	0.67		0.48	0.90	0.57		
IPI00109061.1	Tubb2b	0.62	0.86	1.27	0.59	0.77	0.62	1.05	0.64		
IPI00911165.1	Gspt1	0.63	0.96	1.72	0.88	0.73	0.60				
IPI00230355.2	Gspt1	0.63	-	1.72	0.88	0.73	0.60				
IPI00338039.1	Tubb2a	0.63	0.92	1.28	0.62	0.77	0.62	0.58	0.74		
IPI00762525.2	-	0.64	1.21	1.46	1.28	0.46	0.84				
IPI00403810.2	Tuba1c	0.64	0.96								
IPI00751092.1	Gm12270	0.64	0.94								
IPI00752044.1	LOC100045241	0.65	0.69								
IPI00858243.1	Fkbp4	0.67	-	0.91	1.14		1.14				
IPI00230139.5	Fkbp4	0.68	0.98	0.91	1.14		1.14				
IPI00831541.1	Capn5	0.70	0.79								
IPI00114962.1	Capn5	0.70	-								
IPI00115650.4	Cacybp	0.72	1.19	0.98	1.12		1.01	1.15	0.92		
IPI00323819.3	Rps20	0.73	1.21	0.98	0.79	1.09	0.99				
IPI00828479.1	Acox1	0.73	1.07			0.72	1.48				
IPI00121575.1	Atg2	0.75	1.10	0.37		1.14					
IPI00653300.1	Tm9sf2	0.75	1.19			0.85	0.44	1.01	1.15		
IPI00115787.1	Tm9sf2	0.75	-			0.85	0.44	1.01	1.15		
IPI00133522.1	P4hb	0.76	1.06	0.62	1.25	0.67	0.43				

IPI00108125.4	Eif5a	0.77	0.98					0.84	0.82
IPI00851014.1	Gm2223	0.77	0.99						
IPI00853793.1	LOC100048746	0.77	-						
IPI00230415.5	Eif2s3x	0.77	-	1.30	0.86	1.07	1.13		
IPI00114401.1	Emd	0.78	1.24				0.95	1.36	0.90
IPI00123639.1	Calr	0.85	1.16	0.48	0.44	0.61	0.48		
IPI00230005.3	Prkaca	1.21	0.98	1.03	0.74	0.68	0.93		
IPI00227900.1	Prkaca	1.21	-	1.03	0.74	0.68	0.93		
IPI00269408.1	S-p47	1.21	1.02						
IPI00116753.4	Etfa	1.27	0.98			0.74	1.46	1.03	0.67
IPI00121378.2	Alcam	1.29	0.92			0.71	0.74	0.87	0.59
IPI00808243.1	4933407C03Rik	1.30	0.80						
IPI00665002.4	4933407C03Rik	1.30	-						
IPI00315808.3	Mrps36	1.32	1.06				0.30	0.61	0.68
IPI00117087.1	Cdc37	1.33	0.88	0.54	0.67		0.29	1.09	0.68
IPI00133342.1	Atp5l	1.34	-					1.53	1.27
IPI00230192.5	G-o1	1.35	0.95						
IPI00886354.1	4933407C03Rik	1.35	-						
IPI00828469.1	Lap3	1.35	0.93	0.95	0.37	0.90	0.25	0.73	0.74
IPI00331436.4	Lap3	1.35	-	0.95	0.37	0.90	0.25	0.73	0.74
IPI00230737.2	Aqp4	1.36	0.96					1.67	0.48
IPI00135626.2	Aqp4	1.36	-					1.67	0.48
IPI00230738.2	Aqp4	1.36	-					1.67	0.48
IPI00351472.1	-	1.36	-	1.46	1.28	0.46	0.84		
IPI00133706.1	Rab1b	1.36	1.04	0.58	0.50	1.25	0.69	1.28	0.46
IPI00116843.1	mt-Nd4	1.36	1.02						
IPI00876323.1	Gm10221	1.36	1.03						
IPI00165731.3	Abhd12	1.37	1.07			0.61		2.17	1.04
IPI00762114.3	Abhd12	1.37	-			0.61		2.17	1.04
IPI00930882.1	Slc3a2	1.37	0.93	0.66	0.33	1.72	0.76	0.66	1.18
IPI00114641.3	Slc3a2	1.37	-	0.66	0.33	1.72	0.76	0.66	1.18
IPI00649135.2	Gstm1	1.38	0.68	0.61	1.62	0.75	1.19		
IPI00230212.5	Gstm1	1.38	0.91	0.61	1.62	0.75	1.19		
IPI00759881.1	Acad9	1.39	1.07			2.77	0.99	1.76	0.48
IPI00331710.1	Acad9	1.39	-			2.77	0.99	1.76	0.48
IPI00262198.6	Mcart1	1.39	0.99						
IPI00955131.1	Prdx5	1.39	0.94	0.80	1.26	0.91	1.13	0.96	0.81
IPI00759940.2	Fh1	1.39	1.05				0.47		
IPI00918862.1	Pccb	1.41	1.06			0.98	0.27	0.74	0.66
IPI00606510.1	Pccb	1.41	-			0.98	0.27	0.74	0.66
IPI00468653.4	Pccb	1.41	-			0.98	0.27	0.74	0.66
IPI00857780.1	Cadm3	1.41	0.69			1.63	0.43	1.35	0.74
IPI00118020.1	Cadm3	1.41	-			1.63	0.43	1.35	0.74
IPI00319111.3	Sdhc	1.41	1.13					1.29	1.08
IPI00880613.1	Ndufb10	1.41	-			1.61		0.85	0.76
IPI00230715.5	Ndufa13	1.41	1.04			1.21	1.22	0.92	0.76
IPI00111770.7	Atp5k	1.42	1.21				1.07		
IPI00133240.1	Uqcrcf1	1.42	1.07			1.07	0.36	0.81	0.59
IPI00116896.1	mt-Atp8	1.42	1.01						

IPI00845840.1	Pkm2	1.43	0.87	0.92	0.99	0.97	0.74		
IPI00133215.3	Ndufb7	1.43	0.94			0.75	0.77	0.94	0.36
IPI00128346.1	Cisd1	1.43	1.16			0.58	0.64	1.82	0.72
IPI00776169.1	Pdk1	1.44	1.03					4.10	1.21
IPI00221407.3	Pdk1	1.44	-					4.10	1.21
IPI00885316.1	Crk	1.44	-	1.23	0.94		0.24		
IPI00623553.1	LOC100044492	1.44	1.03						
IPI00121288.5	Ndufb10	1.44	1.04			1.61		0.85	0.76
IPI00230507.5	Atp5h	1.44	-			0.47	0.49		
IPI00341550.1	mt-Nd1	1.45	1.09						
IPI00284806.8	Hprt	1.45	0.93						
IPI00869430.1	Cap1	1.45	0.98	0.72	0.82	0.91	0.43	0.77	0.68
IPI00137331.6	Cap1	1.45	-	0.72	0.82	0.91	0.43	0.77	0.68
IPI00831347.1	Htra2	1.45	-					1.63	0.66
IPI00649253.1	Pgm2	1.45	0.11						
IPI00929850.1	Pgm2	1.45	1.00						
IPI00555140.2	Pgm2	1.45	-						
IPI00828649.1	D-jc11	1.46	1.04						
IPI00226466.6	D-jc11	1.46	-						
IPI00918079.1	Ndufab1	1.46	1.06			0.83	1.25	0.74	1.49
IPI00133006.1	Ndufab1	1.46	-			0.83	1.25	0.74	1.49
IPI00918301.1	Ndufab1	1.46	-			0.83	1.25	0.74	1.49
IPI00129928.2	Fh1	1.47	-				0.47		
IPI00816848.2	Abcb7	1.47	1.00					1.64	0.29
IPI00761646.3	Abcb7	1.47	-					1.64	0.29
IPI00672663.2	Abcb7	1.47	-					1.64	0.29
IPI00473688.1	Sirt2	1.47	0.89					0.91	0.98
IPI00110265.1	Sirt2	1.47	-					0.91	0.98
IPI00453777.2	Atp5d	1.47	1.07					1.25	1.05
IPI00894588.1	Acadl	1.48	0.97			0.89	0.94	0.91	0.90
IPI00133403.1	Ndufb3	1.48	1.04					0.37	0.23
IPI00403174.2	Slc25a25	1.48	1.10					0.54	0.92
IPI00755086.1	Slc25a25	1.48	-					0.54	0.92
IPI00118986.1	Atp5o	1.48	1.09			0.76	1.17		
IPI00555000.2	Uqcrb	1.49	1.14			0.68	0.49	1.19	0.56
IPI00474157.4	Tomm40	1.49	1.35				0.83	2.63	0.79
IPI00132347.1	Uqcrb	1.49	-			0.68	0.49	1.19	0.56
IPI00407130.4	Pkm2	1.50	0.87	0.92	0.99	0.97	0.74		
IPI00340932.1	mt-Co3	1.50	1.05						
IPI00131193.1	mt-Co3	1.50	-						
IPI00114380.1	Gstm5	1.50	0.81	0.60				0.54	0.73
IPI00132050.1	Ndufc2	1.50	1.06			0.70		2.01	0.64
IPI00856384.1	Atp5j2	1.50	1.09			0.81	2.11	0.84	0.93
IPI00119114.2	Acadl	1.50	-			0.89	0.94	0.91	0.90
IPI00271986.6	Atp5j2	1.50	-			0.81	2.11	0.84	0.93
IPI00110825.1	Ndufc2	1.50	-					2.01	0.64
IPI00230165.1	S-p91	1.50	0.92						
IPI00408269.4	S-p91	1.50	-						
IPI00122409.1	S-p91	1.50	-						

IPI00153792.1	2410015M20Rik	1.51	0.98						
IPI00122865.1	Scamp5	1.52	0.78					0.06	0.07
IPI00310972.4	Rap1gds1	1.52	-	0.50	1.30	0.40	0.38	1.12	0.57
IPI00649019.1	Ndufs5	1.54	0.95				0.78	1.39	0.86
IPI00895965.1		1.54	0.95						
IPI00117300.3	Ndufs5	1.54	-				0.78	1.39	0.86
IPI00875497.1	Crat	1.54	0.95			1.26	0.61	1.19	0.76
IPI00113347.3	Crat	1.54	-			1.26	0.61	1.19	0.76
IPI00265568.6	Slc25a25	1.55	0.97					0.54	0.92
IPI00749749.1	Slc25a25	1.55	-					0.54	0.92
IPI00752950.1	Slc25a25	1.55	-					0.54	0.92
IPI00875326.1	Tomm40	1.55	-				0.83	2.63	0.79
IPI00114246.2	Ndufb11	1.55	1.17					1.23	0.50
IPI00761607.1	Hdhd2	1.56	0.94	1.15	0.74			0.81	0.63
IPI00117176.1	Faah	1.56	0.98					0.21	0.48
IPI00230351.1	Sdha	1.56	1.07			0.79	0.97	1.00	0.94
IPI00132390.5	Ndufb4	1.56	1.18						
IPI00153381.1	Uqcr10	1.56	0.98					1.77	0.71
IPI00650037.2	D-jc6	1.56	0.87						
IPI00330269.3	D-jc6	1.56	-						
IPI00762713.1	D-jc6	1.56	-						
IPI00341282.2	Atp5f1	1.57	1.16			0.35	0.45	1.03	1.14
IPI00222419.5	Gm10053	1.57	-						
IPI00114377.1	Cox7a2	1.58	1.17			0.93		0.39	0.74
IPI00128285.1	Ndufv3	1.58	1.23			0.38		0.12	0.07
IPI00461964.3	Aldh6a1	1.58	1.03			1.31	0.57	1.00	0.60
IPI00344004.3	Ndufa12	1.58	1.00			0.77	0.72	1.08	0.39
IPI00415517.1	Mfn2	1.59	0.99				0.51	1.31	0.46
IPI00132216.1	Ndufa3	1.59	1.14				0.43	1.20	0.19
IPI00816883.1	LOC100044767	1.59	1.16						
IPI00894705.1	Mfn2	1.59	-				0.51	1.31	0.46
IPI00312244.3	Mfn2	1.59	-				0.51	1.31	0.46
IPI00894813.1	Mfn2	1.59	-				0.51	1.31	0.46
IPI00128826.1	Cacng8	1.59	0.85				0.82		
IPI00229008.2	Ndufs4	1.59	1.03			0.80	0.66	1.14	0.93
IPI00875863.1	Rhot2	1.59	1.00						
IPI00473646.2	Rhot2	1.59	-						
IPI00850053.1	LOC100045547	1.60	0.84			1.89			
IPI00132653.1	Oxct1	1.60	1.15		0.70	0.62	0.62	1.01	0.71
IPI00121443.1	Cox6a1	1.60	0.97			0.45	0.25	0.46	0.82
IPI00265239.1	Gm10108	1.61	1.10						
IPI00848729.1	LOC100047509	1.62	0.76						
IPI00225390.5	Cox6b1	1.62	1.00			0.88	1.26	0.70	1.00
IPI00128345.2	Ndufs6	1.62	1.02			3.05	1.19	0.93	0.60
IPI00120719.4	Cox5a	1.62	1.02			1.34	1.02	0.99	0.97
IPI00129516.1	Uqcrh	1.62	1.14			0.83	1.19	1.63	1.10
IPI00115544.1	Gng4	1.62	0.94			1.08		0.07	4.77
IPI00223216.5	Tst	1.62	0.96			1.08	1.04		
IPI00785410.1	Cox5b	1.63	1.00					1.55	0.77

IPI00387430.1	Ndufb8	1.63	1.05		0.44		0.98	0.44
IPI00116154.2	Cox5b	1.63	-				1.55	0.77
IPI00652758.1	Tom1	1.63	0.74			0.49	0.80	1.16
IPI00380814.1	Tom1	1.63	-				0.80	1.16
IPI00111960.2	Gaa	1.64	1.16	1.05	0.84	0.48	1.40	0.64
IPI00132623.3	Ndufb9	1.64	0.98		0.97	0.90	1.14	0.82
IPI00112377.1	Rdh14	1.64	1.04				0.86	0.36
IPI00403586.3	Nceh1	1.65	1.04		0.36		1.24	0.40
IPI00757109.2	Pcmt1	1.65	-	0.71	0.48	0.75	1.41	0.99
IPI00230418.5	Vsnl1	1.65	0.86		0.60		1.69	0.56
IPI00117978.1	Cox4i1	1.65	1.06		0.53	0.48	0.70	0.49
IPI00322150.8	Thop1	1.66	0.73	0.98	0.82		1.05	0.54
IPI00224210.5	Uqcrq	1.66	1.15			0.92	0.69	0.64
IPI00881347.1	Hpca	1.66	0.76					
IPI00648753.1	Hpca	1.66	-					
IPI00338536.1	Sdhb	1.67	1.09		1.31	0.47	0.98	0.60
IPI00462008.5	LOC100047352	1.67	-					
IPI00315302.5	Ndufa2	1.68	0.89				1.14	0.91
IPI00881096.1		1.68	1.01					
IPI00109870.1		1.68	-					
IPI00480558.4	Pcmt1	1.68	0.93	0.71	0.48	0.75	1.41	0.99
IPI00329913.9	Pcmt1	1.68	-	0.71	0.48	0.75	1.41	0.99
IPI00555069.3	Pgk1	1.68	0.90	0.72	1.54	0.81	0.94	0.92
IPI00125460.1	Atpj	1.68	1.06		1.21			
IPI00850337.1	LOC100048117	1.68	-					
IPI00850377.1	Gm2451	1.68	-					
IPI00807819.1	LOC100044663	1.68	-					
IPI00114279.1	Slc1a3	1.69	0.86		1.08	0.89	1.07	0.80
IPI00230310.5	Hpca	1.69	0.95					
IPI00319970.1	Cac-2d1	1.72	0.85					
IPI00608064.1	Fech	1.72	1.13			1.00	1.27	0.76
IPI00752685.2	Gm8055	1.72	-					
IPI00831652.1	Tomm40l	1.73	1.20					
IPI00113043.1	Tomm40l	1.73	-					
IPI00355248.5	mt-Co1	1.73	1.00					
IPI00928416.1	Ndufv1	1.73	1.01		3.35	0.95	0.96	0.71
IPI00130460.1	Ndufv1	1.73	1.02		3.35	0.95	0.96	0.71
IPI00122633.3	Acsf2	1.73	1.00		0.39	0.76	1.69	0.65
IPI00850457.1	Cadm2	1.74	0.83		0.70	1.36	2.07	1.27
IPI00850833.1	Cadm2	1.74	-		0.70	1.36	2.07	1.27
IPI00453537.2	Cadm2	1.74	-		0.70	1.36	2.07	1.27
IPI00874653.1	Cadm2	1.74	-		0.70	1.36	2.07	1.27
IPI00853969.2	LOC100044643	1.75	-					
IPI00928125.1	Me3	1.75	0.99				3.49	0.62
IPI00876208.1	Me3	1.75	1.04				3.49	0.62
IPI00308976.1	Me3	1.75	-				3.49	0.62
IPI00225533.1	Necap1	1.76	0.94		0.33		0.79	0.28
IPI00886222.1	Ndufs6	1.77	-		3.05	1.19	0.93	0.60
IPI00405736.3	Cd81	1.78	0.74	0.75	0.60	0.05	0.64	0.89

IPI00126085.1	Cyp46a1	1.78	0.94					1.03	1.48
IPI00310916.1	Cd81	1.78	-	0.75	0.60	0.80	0.05	0.64	0.89
IPI00130376.1	mt-Co1	1.78	-						
IPI00856377.1	Prkar1b	1.78	-						
IPI00856616.1	Prkar1b	1.78	-						
IPI00658782.4	LOC100044212	1.79	0.75						
IPI00624881.4	Rogdi	1.81	0.88					3.85	1.31
IPI00399812.3	Rogdi	1.81	-					3.85	1.31
IPI00317074.3	Slc25a10	1.81	1.47					2.06	0.88
IPI00228343.4	Fech	1.81	1.08				1.00	1.27	0.76
IPI00403079.4	Cd47	1.81	0.84					12.03	0.59
IPI00875877.1	Cd47	1.81	-					12.03	0.59
IPI00124830.3	Cd47	1.81	-					12.03	0.59
IPI00311515.2		1.81	0.99						
IPI00462075.4	Gm5507	1.82	-						
IPI00474508.1	-	1.83	0.87	1.46	1.28	0.46	0.84		
IPI00111255.1	Cox7c	1.83	1.14						
IPI00122740.2	MacroD1	1.83	1.12					0.27	0.39
IPI00377681.2	N28178	1.84	-				0.17		
IPI00757181.1	LOC100045958	1.84	0.96						
IPI00751607.1	LOC100045958	1.84	1.08						
IPI00850740.1	LOC100044138	1.84	1.00						
IPI00850539.1	LOC100044138	1.84	-						
IPI00134478.1	Cox8a	1.84	-						
IPI00848572.1	LOC100048483	1.84	-						
IPI00135324.2	Slc12a2	1.85	0.79			0.38	1.14	0.54	0.90
IPI00347814.2	BC085271	1.86	1.00						
IPI00850678.1	Gm9531	1.86	-						
IPI00755843.1	Set	1.86	-					0.90	0.49
IPI00410883.1	Set	1.86	-					0.90	0.49
IPI00111560.3	Set	1.86	-					0.90	0.49
IPI00754518.1	Set	1.86	-					0.90	0.49
IPI00322033.7	Tom1l2	1.87	-	0.68	0.81	3.40	0.33	0.73	0.75
IPI00648853.4	Tom1l2	1.87	-	0.68	0.81	3.40	0.33	0.73	0.75
IPI00856972.2	Prkar1b	1.87	0.99						
IPI00857789.1	Prkar1b	1.87	1.10						
IPI00310841.4	Prkar1b	1.87	-						
IPI00719901.2	Prosc	1.87	-					0.81	0.79
IPI00923056.1		1.87	0.99						
IPI00121218.5	Fahd2a	1.88	0.94						
IPI00318645.6	Ndufa11	1.88	0.99				0.97	0.82	0.68
IPI00850430.1	LOC100046151	1.88	1.04						
IPI00133399.1	Ndufa6	1.88	1.05					1.00	0.85
IPI00647986.1	LOC100044356	1.89	1.14						
IPI00409045.2	Ensa	1.89	1.25					0.65	0.53
IPI00230470.1	Ensa	1.89	-					0.65	0.53
IPI00131666.1	Slc1a6	1.89	0.71						
IPI00224993.4	Gyk	1.89	1.17						
IPI00135446.1	Gyk	1.89	-						

IPI00654090.2	Gyk	1.89	-						
IPI00404687.5	Gyk	1.89	-						
IPI00464317.3	Gls	1.89	0.93			1.45	0.24	0.62	0.87
IPI00315999.4	Atp6v1f	1.90	0.85		0.54			0.96	0.99
IPI00130661.1	Tpp1	1.91	0.78	0.43	1.40		0.30	0.79	0.95
IPI00857195.1	Itgav	1.92	-			1.03	0.85	0.97	0.93
IPI00120245.1	Itgav	1.92	-			1.03	0.85	0.97	0.93
IPI00651878.1	Ak3l1	1.92	0.94						
IPI00125035.1	Ak3l1	1.92	-						
IPI00648501.1	Ak3l1	1.92	-						
IPI00622837.1	Gm6265	1.94	1.10						
IPI00131771.3	Cox6c	1.94	-			1.54	1.47	0.82	0.73
IPI00409418.7	Tom1l2	1.94	0.94	0.68	0.81	3.40	0.33	0.73	0.75
IPI00621485.2	Tom1l2	1.94	-	0.68	0.81	3.40	0.33	0.73	0.75
IPI00653921.2	Rdx	1.99	1.03	0.47	1.76	0.59	1.09	1.26	0.65
IPI00131614.1	Sncb	2.00	1.03					0.35	0.75
IPI00331110.3	Sh3gl2	2.03	-		1.09		0.65	1.34	0.64
IPI00469987.3	Gda	2.04	0.91	0.73	0.72			2.00	0.82
IPI00756786.1	Sh3glb2	2.04	-					1.29	0.87
IPI00648903.3	AU040829	2.05	1.05						
IPI00128632.6	AU040829	2.05	-						
IPI00831188.1	AU040829	2.05	-						
IPI00170212.2	Cox16	2.10	0.99						
IPI00930790.1	Cox16	2.10	-						
IPI00463495.2	Synj2bp	2.10	-						
IPI00654397.1	Cox16	2.10	-						
IPI00930820.1	Synj2bp	2.10	-						
IPI00930815.1	Synj2bp	2.10	-						
IPI00169647.2	Sh3glb2	2.10	0.99					1.29	0.87
IPI00626834.2	Sh3glb2	2.10	1.15					1.29	0.87
IPI00153832.1	Sh3glb2	2.10	-					1.29	0.87
IPI00828453.1	Sh3glb2	2.10	-					1.29	0.87
IPI00654420.1	Prosc	2.10	1.02					0.81	0.79
IPI00131548.1	Prosc	2.10	-					0.81	0.79
IPI00752884.1	LOC100047616	2.12	-						
IPI00762748.2	Vps13a	2.12	0.84					0.86	0.61
IPI00420394.4	Vps13a	2.12	1.01					0.86	0.61
IPI00895403.1	Cac-1a	2.13	0.80						
IPI00474281.1	Gm13910	2.13	1.13						
IPI00850941.1	-	2.13	-	1.46	1.28	0.46	0.84		
IPI00408646.5	Cac-1a	2.13	-						
IPI00170357.5	Afg3l2	2.13	1.05					0.98	0.61
IPI00648567.1	Sh3gl2	2.13	0.91		1.09		0.65	1.34	0.64
IPI00336324.11	Mdh1	2.15	0.97	0.92	0.75	0.77	0.48	1.02	0.71
IPI00817046.1	Inpp5j	2.16	0.83						
IPI00123704.1	Atp1b2	2.16	0.86	0.73		0.51	0.42	1.03	0.98
IPI00228633.7	Gpi1	2.18	0.95	0.87	0.91	0.80	0.94		
IPI00853761.1	LOC100046684	2.18	1.03						
IPI00135977.3	Clic4	2.19	-	0.99	0.79			0.67	0.84

IPI00875107.1	Prnd	2.19	0.89						
IPI00109206.1	Cox16	2.20	-						
IPI00133034.3	Hint2	2.21	1.02		0.62	0.80	1.53	0.53	
IPI00403723.3	Arfgap1	2.23	1.10				0.74	0.31	
IPI00756529.1	Arfgap1	2.23	-				0.74	0.31	
IPI00387227.1	Arfgap1	2.23	-				0.74	0.31	
IPI00121534.11	Car2	2.25	0.74	0.74	0.75				
IPI00473235.1	Cacnb4	2.27	0.91						
IPI00131720.3	Cacnb4	2.27	-						
IPI00626660.3	Cacnb4	2.27	-						
IPI00849661.1	LOC100046035	2.29	-						
IPI00807733.1	Arfgap1	2.30	-				0.74	0.31	
IPI00652871.1	Wfs1	2.32	0.85						
IPI00114833.1	Wfs1	2.32	-						
IPI00119124.2	Fundc1	2.35	0.97				1.13	0.61	
IPI00849730.2	Wipf3	2.43	0.84						
IPI00606892.5	Wipf3	2.43	-						
IPI00225389.1	S-p25	2.44	0.90						
IPI00120342.6	Slc17a6	2.44	0.85						
IPI00134191.3	Slc2a3	2.45	0.92				3.75	1.12	
IPI00230204.7	Got1	2.48	-	1.62	0.69	0.37	0.85	1.35	0.39
IPI00555072.1	Stxbp5l	2.55	0.73						
IPI00309953.4	Stxbp5l	2.55	-						
IPI00555114.1	Stxbp5l	2.55	-						
IPI00656281.1	Stxbp5l	2.55	-						
IPI00125635.1	S-p25	2.56	0.90						
IPI00648355.3	Rftn2	2.57	0.97				1.13	1.12	
IPI00229775.1	Rftn2	2.57	-				1.13	1.12	
IPI00928106.1	Kc-b2	2.57	0.60						
IPI00315359.1	Kc-b2	2.57	0.83						
IPI00118900.1	Pde1b	2.58	0.77		1.79		0.43	0.29	
IPI00876489.1	Sirpa	2.60	0.88	0.30	0.79		1.39	0.77	
IPI00895346.1	Atp6v1g2	2.62	0.89		0.33		0.85	0.20	
IPI00123817.1	Atp6v1g2	2.62	-		0.33		0.85	0.20	
IPI00831305.1	Pcp4	2.63	0.87	5.46	9.38				
IPI00875040.1	Pcp4	2.63	-	5.46	9.38				
IPI00229996.5	Pcp4	2.63	-	5.46	9.38				
IPI00625441.3	Tpd52	2.63	0.91				1.40	0.88	
IPI00622833.2	Tpd52	2.63	-				1.40	0.88	
IPI00221788.3	Hpcal4	2.65	1.09				0.17	0.57	
IPI00133886.1	Cuta	2.66	-				0.89	1.05	
IPI00461933.2	Cuta	2.66	-				0.89	1.05	
IPI00117454.1	Eps15	2.73	1.31			1.15	1.39	1.19	
IPI00130322.5	Ndufa7	2.73	1.06				1.17	0.64	
IPI00226872.1	Efh2	2.78	1.26	0.47	0.73	0.66	0.81	0.42	
IPI00112223.1	Efh2	2.78	-	0.47	0.73	0.66	0.81	0.42	
IPI00877205.1	Got1	2.83	0.91	1.62	0.69	0.37	0.85	1.35	0.39
IPI00162781.2	Ahcyl1	2.87	0.87	0.37	1.19	1.43	0.61	1.05	0.77
IPI00330289.3	Epb4.1l2	2.96	0.96			0.92	1.91		

IPI00330290.1	Epb4.1l2	2.96	-			0.92		1.91		
IPI00402933.1	Epb4.1l2	2.96	-			0.92		1.91		
IPI00309481.1	Epb4.1l2	2.96	-			0.92		1.91		
IPI00403406.1	Epb4.1l2	2.96	-			0.92		1.91		
IPI00755057.1	LOC677282	3.00	0.57							
IPI00672505.1	LOC100047603	3.00	0.87					0.82		
IPI00331066.6	Calb1	3.20	0.92	0.88						
IPI00308667.1	Dynl13	3.32	-	0.93					0.79	0.40
IPI00227267.2	Epb4.1l2	3.35	-			0.92		1.91		
IPI00831055.2	Hbb-b1	3.40	1.33							
IPI00845802.1	Hba-a1	3.40	1.37							
IPI00110658.1	Hba-a1	3.40	-							
IPI00318522.3	Gad2	3.42	0.94	3.01				0.48	0.93	0.62
IPI00858047.1	Mgll	3.71	1.08					1.09	0.59	1.69
IPI00132874.4	Mgll	3.71	-					1.09	0.59	1.69
IPI00953761.1	Mgll	3.71	-					1.09	0.59	1.69
IPI00953776.1	Mgll	3.71	-					1.09	0.59	1.69
IPI00109311.3	Slc9a3r1	4.39	0.93	1.06	0.92	0.45		1.03	1.18	0.54
IPI00877299.1	Icam5	4.57	0.82							
IPI00119033.1	Icam5	4.71	-							
IPI00338983.3	Cnt-p1	5.09	-							
IPI00230185.5	Gpd1	5.25	0.89		0.69					
IPI00854028.2	Cnt-p1	5.27	0.85							