id	Protein IDs	Protein names	Gene names	direction	label	group	log2(CTSD/PBS 1)	log2(CTSD/PBS 2)	ratio	count
0	A0A024QZ42;O75340-2;O75340;H0Y9	Programmed cell death protein 6	PDCD6	CTSD/PBS	PDCD6	not considered/background				0
3	P25787;A0A024RA52;C9JCK5;H3BT36	Proteasome subunit alpha type-2;Proteasome subunit alpha type	PSMA2	CTSD/PBS	PSMA2	not considered/background	0,115432826	-0,151599082		2
5	A0A075B6E5;Q8N8S7-3;Q8N8S7-2;Q8	Protein enabled homolog	ENAH	CTSD/PBS	ENAH	not considered/background		-0,507109594		1
6	A0A075B6G3;A0A5H1ZRP9;P11532;A	Dystrophin	DMD	CTSD/PBS	DMD	not considered/background				0
7	V9GY97;O00213-4;A0A087X0V7;O00	Amyloid beta A4 precursor protein-binding family B member 1	APBB1	CTSD/PBS	APBB1	not considered/background	-0,030324537			1
8	Q16881;Q16881-2;A0A087WSY9;Q16	Thioredoxin reductase 1, cytoplasmic	TXNRD1	CTSD/PBS	TXNRD1	not considered/background	-0,021775077	-0,039278795		2
9	K7ERP4;P36969-2;A0A087X2I2;P369	Glutathione peroxidase;Phospholipid hydroperoxide glutathione peroxidase, mitochondrial	GPX4	CTSD/PBS	GPX4	not considered/background	-0,075413596	0,212734717		2
11	A0A087WXD2;H7C5T8;H7C4U7;H7C5	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1	MAGI1	CTSD/PBS	MAGI1	not considered/background	-0,20413333	-0,187514398		2
12	Q86TX2;A0A087X0W7;A0A087WT95;I	Acyl-coenzyme A thioesterase 1;Acyl-coenzyme A thioesterase 2, mitochondrial	ACOT1;ACOT2	CTSD/PBS	ACOT1	not considered/background		0,181902061		1
14	Q9C0A0-2;A0A590UJB1;F5H107;A0A0	Contactin-associated protein-like 4	CNTNAP4	CTSD/PBS	CNTNAP4	not considered/background				0
17	O75251;A0A087WXF6;A0A087WTI3;F	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUFS7	CTSD/PBS	NDUFS7	not considered/background		0,267739485		1
18	Q12913-2;Q12913;A0A087WTK0;A0A	Receptor-type tyrosine-protein phosphatase eta;Protein-tyrosine-phosphatase	PTPRJ	CTSD/PBS	PTPRJ	not considered/background				0
19	A0A087WZ85;A0A0A0MSX4;Q9Y6N7-4	Roundabout homolog 1	ROBO1	CTSD/PBS	ROBO1	not considered/background				0
20	Q92945;A0A087WTP3;M0R0I5;M0QX	Far upstream element-binding protein 2	KHSRP	CTSD/PBS	KHSRP	not considered/background				0
21	E7EQ49;A0A087WTQ2;Q9Y2I8-3;Q9Y2	WD repeat-containing protein 37	WDR37	CTSD/PBS	WDR37	not considered/background		-1,029841557		1
23	P11940;E7EQV3;P11940-2;A0A087W	Polyadenylate-binding protein 1;Polyadenylate-binding protein	PABPC1	CTSD/PBS	PABPC1	not considered/background	-0,065853419	-0,242206149		2
27	E9PE15;P51790-4;A0A087WU31;P51	Chloride channel protein;H(+)/Cl(-) exchange transporter 3	CLCN3	CTSD/PBS	CLCN3	not considered/background				0
28	A0A0G2JMS5;A0A087WU62;Q9BRJ2;/	39S ribosomal protein L45, mitochondrial	MRPL45	CTSD/PBS	MRPL45	not considered/background				0
29	Q15005;A0A087WUC6;E9PI68;E9PL0	Signal peptidase complex subunit 2	SPCS2	CTSD/PBS	SPCS2	not considered/background	0,077789889	-0,093019233		2
31	O14979-3;O14979-2;A0A087WUK2;O	Heterogeneous nuclear ribonucleoprotein D-like	HNRNPDL	CTSD/PBS	HNRNPDL	not considered/background				0
32	Q86TG7-2;A0A087WZG9;B4DSP0;A0A	Retrotransposon-derived protein PEG10	PEG10	CTSD/PBS	PEG10	not considered/background				0
33	Q9UNM6;A0A087WUL9;Q9UNM6-2;J3	26S proteasome non-ATPase regulatory subunit 13	PSMD13	CTSD/PBS	PSMD13	not considered/background	0,036327492			1
34	P07203;A0A087WUQ6;A0A2R8Y6B6	Glutathione peroxidase 1;Glutathione peroxidase	GPX1	CTSD/PBS	GPX1	not considered/background	0,260748328			1
35	F8W7C6;A0A087WV22;X1WI28;P276	60S ribosomal protein L10	RPL10	CTSD/PBS	RPL10	not considered/background		0,175680195		1
36	P20711-3;A0A087WV24;P20711;H7B	Aromatic-L-amino-acid decarboxylase	DDC	CTSD/PBS	DDC	not considered/background	0,239764627	-0,019630756		2
38	A0A087WVM4;Q6UB35;B7ZM99;H0Y3	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	CTSD/PBS	MTHFD1L	not considered/background	0,288771967			1
39	Q00610-2;Q00610;A0A087WVQ6;J3K	Clathrin heavy chain 1;Clathrin heavy chain	CLTC	CTSD/PBS	CLTC	not considered/background	-0,019199619	0,200780038		2
40	A0A087WVV2;Q9P2E9-3;Q9P2E9;F8W	Ribosome-binding protein 1	RRBP1	CTSD/PBS	RRBP1	not considered/background	0,039559557	0,017825972		2
41	Q9Y371;Q9Y371-2;A0A087WW40;Q9	Endophilin-B1	SH3GLB1	CTSD/PBS	SH3GLB1	not considered/background	0,09071796	-0,105946212		2
43	B4DGL8;O75027-3;A0A087WW65;O7	ATP-binding cassette sub-family B member 7, mitochondrial	ABCB7	CTSD/PBS	ABCB7	not considered/background	0,298775603			1
44	Q99460-2;Q99460;A0A087WW66;H7	26S proteasome non-ATPase regulatory subunit 1	PSMD1	CTSD/PBS	PSMD1	not considered/background	-0,147313948	0,325973307		2
45	A0A087WW77;Q15334	Lethal(2) giant larvae protein homolog 1	LLGL1	CTSD/PBS	LLGL1	not considered/background				0
47	A0A087WY55;O43617-2;O43617;A0A	Trafficking protein particle complex subunit 3	TRAPPC3	CTSD/PBS	TRAPPC3	not considered/background		-0,607010666		1
48	H0YNJ6;H0YLV5;Q9P2T1-2;F8WAN9;A	GMP reductase;GMP reductase 2	GMPR2	CTSD/PBS	GMPR2	not considered/background				0
49	Q9HCK4-2;A0A087WWM5;Q9HCK4;Q	Roundabout homolog 2	ROBO2	CTSD/PBS	ROBO2	not considered/background	1,465347637			1
50	J3KTC8;Q7Z5J1-7;Q7Z5J1-4;Q7Z5J1-5;	Hydroxysteroid 11-beta-dehydrogenase 1-like protein	HSD11B1L	CTSD/PBS	HSD11B1L	not considered/background				0
52	A0A087WX02;P63302;F8WB74;M0QY	Selenoprotein W	SEPW1	CTSD/PBS	SEPW1	not considered/background				0
53	Q13148;A0A087WX29;A0A087WYY0;J	TAR DNA-binding protein 43	TARDBP;TDP43	CTSD/PBS	TARDBP	not considered/background	0,255077682	0,845805675		2
56	O95299;A0A087WXC5;E7ESZ7;O9529	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	NDUFA10	CTSD/PBS	NDUFA10	not considered/background	0,09328973	0,086921031		2
57	Q96T83;A0A087WXD1	Sodium/hydrogen exchanger 7;Sodium/hydrogen exchanger	SLC9A7	CTSD/PBS	SLC9A7	not considered/background				0
58	A0A087WXM6;J3QQT2;J3KRX5;P1862	60S ribosomal protein L17	RPL17;RPL17-C18orf32	CTSD/PBS	RPL17	not considered/background	-0,044419367	0,147266015		2
59	A0A087WXM8;P50895;K7ENU8;K7ERI	Basal cell adhesion molecule	BCAM	CTSD/PBS	BCAM	not considered/background	0,164400135	0,307608513		2
60	A0A087WXN9;Q765P7	MTSS1-like protein	MTSS1L	CTSD/PBS	MTSS1L	not considered/background		0,115347381		1
61	Q9NWS8-2;A0A087WXU0;A0A2R8Y4J	Required for meiotic nuclear division protein 1 homolog	RMND1	CTSD/PBS	RMND1	not considered/background		0,102325863		1
62	A0A499FIX8;H7BXI1;A0FGR8-2;A0FGR	Extended synaptotagmin-2	ESYT2	CTSD/PBS	ESYT2	not considered/background	-0,499116383	-0,150689643		2
63	Q9Y4I1-3;A0A087WY00;F8W6H6;F8W	Unconventional myosin-Va	MYO5A	CTSD/PBS	MYO5A	not considered/background	-0,273378011	0,393879986		2
64	Q9UPZ6;A0A087WY08	Thrombospondin type-1 domain-containing protein 7A	THSD7A	CTSD/PBS	THSD7A	not considered/background	0,031677496			1
65	A0A087WY55;Q9NP79;Q9NP79-2;Q51	Vacuolar protein sorting-associated protein VTA1 homolog	VTA1	CTSD/PBS	VTA1	not considered/background	-0,138854519	-0,243912759		2
66	Q96CW1-2;A0A087WY71;Q96CW1;E9	AP-2 complex subunit mu	AP2M1	CTSD/PBS	AP2M1	not considered/background	0,244887059	-0,09990111		2
67	A0A087WYF7;Q6UXV4;A0A087WUX8	MICOS complex subunit MIC27	APOOL	CTSD/PBS	APOOL	not considered/background	0,462366483	0,176136533		2
69	Q6UXD5-5;Q6UXD5-2;A0A087WYL5;Q	Seizure 6-like protein 2	SEZ6L2	CTSD/PBS	SEZ6L2	not considered/background	0,192951618	0,009814782		2
71	O43399-2;O43399-4;O43399;O43399	Tumor protein D54	TPD52L2	CTSD/PBS	TPD52L2	not considered/background	0,776356701	-0,290896181		2
72	Q15185-3;Q15185-4;Q15185;A0A087	Prostaglandin E synthase 3	PTGES3	CTSD/PBS	PTGES3	not considered/background	0,019346089	-0,183200647		2
73	Q96S19-3;Q96S19-5;A0A087WYU2;Q9	UPF0585 protein C16orf13	C16orf13	CTSD/PBS	C16orf13	not considered/background				0
74	P57105;A0A087X1F5;A0A087WYV9;A	Synaptojanin-2-binding protein	SYNJ2BP;SYNJ2BP-COX16	CTSD/PBS	SYNJ2BP	not considered/background		0,07105745		1
75	Q9H6U8;Q9H6U8-3;A0A087WZ62;A0A	Alpha-1,2-mannosyltransferase ALG9	ALG9	CTSD/PBS	ALG9	not considered/background				0
76	E5RHC7;E5RH59;E5RFW7;E5RFH0;E5R	Eukaryotic translation initiation factor 3 subunit H	EIF3H	CTSD/PBS	EIF3H	not considered/background	-0,000909184	-0,031677496		2
78	O43837;A0A087WZN1;A0A087X2E5;C	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial;Isocitrate dehydrogenase [NAD] sub	IDH3B	CTSD/PBS	IDH3B	not considered/background	0,292428393	0,256821133		2
79	D6RBU4;O43314-2;O43314;A0A087W	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2;Inositol hexakisph	PPIP5K2;PPIP5K1	CTSD/PBS	PPIP5K2	not considered/background				0
80	Q9Y496;J3KPF9;A0A087X011;E9PE54;	Kinesin-like protein KIF3A;Kinesin-like protein	KIF3A	CTSD/PBS	KIF3A	not considered/background				0
82	Q01105-3;A0A0C4DFV9;Q01105-4;Q0	Protein SET;Protein SETSIP	SET;SETSIP	CTSD/PBS	SET	not considered/background				0
83	B4DIB3;Q9P0L2;A0A087X0I6;Q9P0L2-	Serine/threonine-protein kinase MARK1	MARK1	CTSD/PBS	MARK1	not considered/background				0
84	Q15070-2;Q15070;A0A087X0L7;J3KN	Mitochondrial inner membrane protein OXA1L	OXA1L	CTSD/PBS	OXA1L	not considered/background	0,606157925	0,470288977		2
85	A0A087XM8;O00533;O00533-2;H7C	Neural cell adhesion molecule L1-like protein;Processed neural cell adhesion molecule L1-like pro	CHL1	CTSD/PBS	CHL1	not considered/background	-0,367489804	0,010454043		2
86	A0A087XDQ1;Q7Z739;A0A087X0C3;S	YTH domain-containing family protein 3;YTH domain-containing family protein 2;YTH domain-co	YTHDF3;YTHDF2;YTHDF1	CTSD/PBS	YTHDF3	not considered/background				0
87	Q9UMY4;Q9UMY4-1;A0A087X0R6;Q9	Sorting nexin-12	SNX12	CTSD/PBS	SNX12	not considered/background	-0,050173756	-0,354113592		2
88	A0A087X0S5;P12109	Collagen alpha-1(VI) chain	COL6A1	CTSD/PBS	COL6A1	not considered/background	0,158724796	0,051324403		2
89	A0A087X0U3;P43003-2;P43003;E7EU	Amino acid transporter;Excitatory amino acid transporter 1;Excitatory amino acid transporter 4	SLC1A3;SLC1A6	CTSD/PBS	SLC1A3	not considered/background				0
90	M0QYQ7;M0R0N3;M0R019;M0R2T0;P	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	CTSD/PBS	HNRNPM	not considered/background				0
91	Q15155;A0A0G2JN29;A0A087X117;A	Nodal modulator 1	NOMO1	CTSD/PBS	NOMO1	not considered/background	-0,042739126	0,084716222		2
92	Q9C0H9;A0A087X165;A0A087WVV7;(	SRC kinase signaling inhibitor 1	SRCIN1	CTSD/PBS	SRCIN1	not considered/background	-0,283369001	-0,244278199		2
93	A0A087X1A5;Q5JW30;Q95793-2;Q95	Double-stranded RNA-binding protein Staufen homolog 1	STAU1	CTSD/PBS	STAU1	not considered/background		-0,460270761		1
94	P53365-2;P53365-3;P53365;A0A087	Arfaptin-2	ARFIP2	CTSD/PBS	ARFIP2	not considered/background		0,044419367		1
95	A0A087X1G1;H7BYD0;Q16718-2;Q16	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	NDUFA5	CTSD/PBS	NDUFA5	not considered/background	0,268793675	0,0497257		2
96	A0A087X1G7;O60613;A0A0J9YX89;A0	15 kDa selenoprotein	SEP15	CTSD/PBS	SEP15	not considered/background				0
97	A0A087X1K9;E5RGR0;O75608-2;O75	Acyl-protein thioesterase 1	LYPLA1	CTSD/PBS	LYPLA1	not considered/background	0,138945498	0,142576291		2
99	A0A087X1W8;A0A0A0MTJ8;Q9BY67-5	Cell adhesion molecule 1	CADM1	CTSD/PBS	CADM1	not considered/background	-0,225092787	0,013596347		2
100	H0YM70;Q9UL46;A0A087X1Z3;H0YKU	Proteasome activator complex subunit 2	PSME2	CTSD/PBS	PSME2	not considered/background	-0,17193716	0,261776924		2
101	F1T0B3;A0A087X2G1;Q92499;Q9249	ATP-dependent RNA helicase DDX1	DDX1	CTSD/PBS	DDX1	not considered/background	0,049909522	-0,210513552		2
102	P62333;A0A087X2I1;H0YJO8;H0YJS8;	26S protease regulatory subunit 10B	PSMC6	CTSD/PBS	PSMC6	not considered/background	-0,12208303	0,691732333		2
103	A0A096LNY5;A0A1B0GTG9;A0A1B0GV	Adenylosuccinate lyase	ADSL	CTSD/PBS	ADSL	not considered/background				0
104	C9JFE4;Q13098-7;A8K070;Q13098;A0	COP9 signalosome complex subunit 1	GPS1	CTSD/PBS	GPS1	not considered/background	-0,065777918			1
106	P0DPI2;A0A0B4J2D5;A0A096LPI6;A0A	C21orf33	C21orf33	CTSD/PBS	C21orf33	not considered/background	-0,064494992	0,021072224		2
107	A0A0A0MTB9;H0YAK8;P09455;P0945	Retinol-binding protein 1	RBP1	CTSD/PBS	RBP1	not considered/background	0,31741985	0,138790982		2
109	A0A5F92H67;Q96Q04;A0A3B3ISL5;A0	Serine/threonine-protein kinase LMTK3	LMTK3	CTSD/PBS	LMTK3	not considered/background				0
110	F2Z357;P47736;P47736-2;A0A0A0MC	Rap1 GTPase-activating protein 1	RAP1GAP	CTSD/PBS	RAP1GAP	not considered/background	0,262072288			1
114	Q86YR5-4;Q86YR5;A0A0A0MSK4;A0A0	G-protein-signaling modulator 1	GPSM1	CTSD/PBS	GPSM1	not considered/background				0
115	A0A0A0MRE1;Q9UPT5-2;B4DJ07;Q9UI	Exocyst complex component 7	EXOC7	CTSD/PBS	EXOC7	not considered/background				0
118	Q9UNH7-2;Q9UNH7;A0A0A0MRI2;G3\	Sorting nexin-6;Sorting nexin-6, N-terminally processed	SNX6	CTSD/PBS	SNX6	not considered/background	-0,182000258	-0,296662968		2
119	H0Y6F6;Q8NEY1-6;Q8NEY1-5;Q8NEY1-	Neuron navigator 1	NAV1	CTSD/PBS	NAV1	not considered/background		-0,516116031		1
120	P22061;P22061-2;A0A3F2YNX8;A0A0	Protein-L-isoaspartate(D-aspartate) O-methyltransferase;Protein-L-isoaspartate O-methyltransfer	PCMT1	CTSD/PBS	PCMT1	not considered/background	0,100304906	0,082835612		2
122	Q8IZP0-10;Q8IZP0-8;B6VEX4;Q8IZP0-7	Abl interactor 1	ABI1	CTSD/PBS	ABI1	not considered/background	-0,331917193	0,272854998		2
123	A0A0C4DH75;D3DX48;D3DX49;A0A0I	MAGUK p55 subfamily member 2	MPP2	CTSD/PBS	MPP2	not considered/background	-0,225750593	-0,109159939		2
124	A0A0A0MRX1;Q12926;Q12926-2;C9JI	ELAV-like protein;ELAV-like protein 2;ELAV-like protein 3;ELAV-like protein 4	ELAVL2;ELAVL3;ELAVL4	CTSD/PBS	ELAVL2	not considered/background	0,207143205			1
125	A0A0A0MRX2;Q96HY6-2;Q96HY6	DDRGK domain-containing protein 1	DDRGK1	CTSD/PBS	DDRGK1	not considered/background	-0,250680275	0,059825731		2
126	A0A0A0MSA9;A0A0C4DG49;P15151-3	Poliovirus receptor	PVR	CTSD/PBS	PVR	not considered/background	0,094641454	0,052580703		2
127	Q16836;A0A0A0MSE2;A0A0D9SFP2;Q	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	HADH	CTSD/PBS	HADH	not considered/background	0,222309979	0,255391092		2
128	F8W9B8;O00471;A0A0A0MSI8	Exocyst complex component 5	EXOC5	CTSD/PBS	EXOC5	not considered/background	-0,474532437			1
129	Q6P1N7;O15533-2;O15533;A0A0G2JI	Tapasin	TAPBP	CTSD/PBS	TAPBP	not considered/background				0
130	P48739;A0A0A0MSW4;P48739-2;P48	Phosphatidylinositol transfer protein beta isoform	PITPNB	CTSD/PBS	PITPNB	not considered/background				0
131	Q08345-5;Q08345;Q08345-6;Q08345	Epithelial discoidin domain-containing receptor 1	DDR1	CTSD/PBS	DDR1	not considered/background	-0,410178998			1
132	A0A0S2Z4K7;P26440-2;A0A0A0MT83;	Isovaleryl-CoA dehydrogenase, mitochondrial	IVD	CTSD/PBS	IVD	not considered/background	0,129085148	0,036170795		2
133	Q15392-2;Q15392;A0A0A0MTI1	Delta(24)-sterol reductase	DHCR24	CTSD/PBS	DHCR24	not considered/background				0
134	P07108;P07108-3;B8ZWD1;P07108-2	Acyl-CoA-binding protein	DBI	CTSD/PBS	DBI	not considered/background	-0,163429485	-0,116098552		2
135	Q6PIU2;Q6PIU2-2;A0A0A0MTJ9;Q6PIL	Neutral cholesterol ester hydrolase 1	NCEH1	CTSD/PBS	NCEH1	not considered/background	-0,234668943	-0,524464926		2
136	Q5T2B5;Q13617;A0A0A0MTN0;Q1361	Cullin-2	CUL2	CTSD/PBS	CUL2	not considered/background	-0,204565509	-0,075601085		2
137	F8VZI9;A0A0A0MTP9;Q9BWQ8	Protein lifeguard 2	FAIM2	CTSD/PBS	FAIM2	not considered/background	0,609754962	0,313028923		2
138	Q96B86-3;Q96B86;Q96B86-4;A0A0A0	Repulsive guidance molecule A	RGMA	CTSD/PBS	RGMA	not considered/background	0,220949004	0,100576851		2
139	P56378;A0A0A0MTQ5;G3V556;P5637	6.8 kDa mitochondrial proteolipid	MP68;C14orf2	CTSD/PBS	MP68	not considered/background				0
140	Q8IYR6-2;A0A0A6YYJ0;Q8IYR6	Tomoregulin-1	TMEFF1;MSANTD3-TMEFF1	CTSD/PBS	TMEFF1	not considered/background	0,293017272	0,100994563		2
141	Q96HJ9-2;A0A0A6YYJ8;Q9Y383-3;Q9Y	UPF0562 protein C7orf55;Putative RNA-binding protein Luc7-like 2	C7orf55;LUC7L2	CTSD/PBS	C7orf55	not considered/background				0
142	P57737-3;A0A0A6YYL4;Q9Y3D7;I3L0X	Coronin-7;Coronin;Mitochondrial import inner membrane translocase subunit TIM16	CORO7;CORO7-PAM16;PAM16	CTSD/PBS	CORO7	not considered/background	0,417596013	0,390698906		2
144	P42765;A0A0B4J2A4;K7EME0	3-ketoacyl-CoA thiolase, mitochondrial	ACAA2	CTSD/PBS	ACAA2	not considered/background				0
145	P13693;Q5W0H4;A0A0B4J2C3;J3KPG	Translationally-controlled tumor protein	TPT1	CTSD/PBS	TPT1	not considered/background	0,061292338	-0,054917919		2
146	Q16850;A0A0C4DFL7;Q16850-2;H7CC	Lanosterol 14-alpha demethylase	CYP51A1	CTSD/PBS	CYP51A1	not considered/background	-0,090710755	-1,166651181		2
147	A0A0C4DFM1;Q92544	Transmembrane 9 superfamily member 4	TM9SF4	CTSD/PBS	TM9SF4	not considered/background	-0,081262676			1
148	Q12959-2;A0A590UK48;A0A590UJS9;	Disks large homolog 1	DLG1	CTSD/PBS	DLG1	not considered/background	-0,052326363	-0,266756562		2
149	A0A0C4DFZ2;P15289;P15289-2	Arylsulfatase A;Arylsulfatase A component B;Arylsulfatase A component C	ARSA	CTSD/PBS	ARSA	not considered/background	0,10648233	-0,137634672		2
150	C9J9K3;P08865;A0A0C4DG17;F8WD5	40S ribosomal protein SA	RPSA	CTSD/PBS	RPSA	not considered/background	-0,157898111	-0,068051643		2
151	F8WAL6;Q9NYB9-2;A0A7D9NKC8;Q9N	Abl interactor 2	ABI2	CTSD/PBS	ABI2	not considered/background		-0,109293689		1
152	A0A0C4DG51;Q9NP80-3;Q9NP80-2;Q	Calcium-independent phospholipase A2-gamma	PNPLA8	CTSD/PBS	PNPLA8	not considered/background	0,068464451	0,317588509		2
153	A0A0C4DG97;Q9BXM9-2;F8W946;Q9	FSD1-like protein	FSD1L	CTSD/PBS	FSD1L	not considered/background	-0,23487266	-0,011495639		2
154	O75521-2;A0A0C4DGA2;O75521;F8W	Enoyl-CoA delta isomerase 2, mitochondrial	ECI2	CTSD/PBS	ECI2	not considered/background	-0,043378279	-0,526469505		2
159	A0A0C4DGH0;Q5ZPR3-4;Q5ZPR3;Q5ZI	CD276 antigen	CD276	CTSD/PBS	CD276	not considered/background	-0,175224002	0,184572127		2
160	J3QRU8;A0A0C4DGN6;Q9Y2X7;Q9Y2X	ARF GTPase-activating protein GIT1	GIT1	CTSD/PBS	GIT1	not considered/background				0
161	E7EU35;Q9UKF7-2;A0A0C4DGP0;Q9UI	Cytoplasmic phosphatidylinositol transfer protein 1	PITPNC1	CTSD/PBS	PITPNC1	not considered/background	0,100977648			1
162	P04632;A0A0C4DGQ5;K7EM73;K7EIVI	Calpain small subunit 1	CAPNS1	CTSD/PBS	CAPNS1	not considered/background	-0,585994397	-0,326997465		2
163	A0A0C4DGQ7;C9JRL6;O95834;K7EIK7	Echinoderm microtubule-associated protein-like 2	EML2	CTSD/PBS	EML2	not considered/background				0
164	Q6IAN0;A0A0C4DGQ8;J3KRS1	Dehydrogenase/reductase SDR family member 7B	DHRS7B	CTSD/PBS	DHRS7B	not considered/background		0,529031107		1
165	A0A0C4DGS1;P39656;P39656-3;P396	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	DDOST	CTSD/PBS	DDOST	not considered/background	0,029700234	0,144361056		2
166	Q6DN90-2;Q6DN90;A0A3B3IRZ4;A0A3	IQ motif and SEC7 domain-containing protein 1	IQSEC1	CTSD/PBS	IQSEC1	not considered/background	-0,142735555	0,134176181		2
167	A0A0C4DGT4;Q643R3	Lysophospholipid acyltransferase LPCAT4	LPCAT4	CTSD/PBS	LPCAT4	not considered/background				0
173	Q5T321;Q8NFP9;A0A0D9SF28;F5GXV	Neurobeachin	NBEA	CTSD/PBS	NBEA	not considered/background				0
174	A0ADD9SF30	NCAM1	NCAM1	CTSD/PBS	NCAM1	not considered/background	-0,193585197	0,22302013		2
175	A0ADD9SF53;A0A0D9SFB3;A0A2R8Y6/	ATP-dependent RNA helicase DDX3X;ATP-dependent RNA helicase DDX3Y	DDX3X;DDX3Y	CTSD/PBS	DDX3X	not considered/background		0,002252362		1
176	Q05193-3;A0A0U1RQP1;Q05193;A0A	Dynamin-1	DNM1	CTSD/PBS	DNM1	not considered/background	-0,230008277	-0,030971642		2
178	Q92614-3;A0A0D9SFK2;Q92614-4;Q9	Unconventional myosin-XVIIIa	MYO18A	CTSD/PBS	MYO18A	not considered/background				0
179	H7BY36;Q01844-2;A0A0D9SFL3;Q018	RNA-binding protein EWS	EWSR1	CTSD/PBS	EWSR1	not considered/background	-0,171547142			1
180	O95970-3;A0A0D9SFU4;O95970;A0A3	Leucine-rich glioma-inactivated protein 1	LGI1	CTSD/PBS	LGI1	not considered/background				0
181	A0ADD9SGF6;Q13813-2;Q13813;A0A0	Spectrin alpha chain, non-erythrocytic 1	SPTAN1	CTSD/PBS	SPTAN1	not considered/background	-0,203269361	-0,078883047		2

182	A0A0D9SGK2;Q93096;Q12974-3;Q12	Protein tyrosine phosphatase type IVA 1;Protein tyrosine phosphatase type IVA 2	PTP4A1;PTP4A2	CTSD/PBS	PTP4A1	not considered/background			0
183	P0DMV9;P0DMV8;A0A0G2JIW1;P0DN	Heat shock 70 kDa protein 1B;Heat shock 70 kDa protein 1A	HSPA1B;HSPA1A	CTSD/PBS	HSPA1B	not considered/background	0,175939705	0,215211275	2
184	O95870;A0A0G2JJD3;O95870-2;A0A	Abhydrolase domain-containing protein 16A	ABHD16A	CTSD/PBS	ABHD16A	not considered/background	0,21200896	0,123701132	2
185	Q9UBS5-5;A0A140TA42;Q9UBS5-2;Q9	Gamma-aminobutyric acid type B receptor subunit 1	GABBR1	CTSD/PBS	GABBR1	not considered/background			0
186	P04062-4;A0A0G2JNZ5;P04062-2;P04	Glucosylceramidase	GBA	CTSD/PBS	GBA	Lysosomal enzymes	-0,23048213	-0,07299756	2
188	A0A0G2JQ41;Q12979-4;Q12979-2;Q1	Active breakpoint cluster region-related protein	ABR	CTSD/PBS	ABR	not considered/background		-0,008343459	1
191	E9PLH9;E9PP14;A0A0J9YX13;E9PKL9;	GDP-L-fucose synthase	TSTA3	CTSD/PBS	TSTA3	not considered/background			0
192	C9J2C4;O75190-2;O75190-3;O75190;	DnaJ homolog subfamily B member 6	DNAJB6	CTSD/PBS	DNAJB6	not considered/background			0
193	A0A0J9YXJ0;O95319-5;A0A1B0GUN8;	CUGBP Elav-like family member 2;CUGBP Elav-like family member 1	CELF2;CELF1	CTSD/PBS	CELF2	not considered/background			0
194	Q15165-3;Q15165-1;Q15165;A0A0J9	Serum paraoxonase/arylesterase 2	PON2	CTSD/PBS	PON2	not considered/background	-0,514078619		1
195	A0A0J9YY79			CTSD/PBS	A0A0J9YY79	not considered/background	-0,28263175		1
199	Q9ULB1-3;E7ERL8;A0A1D5RMU6;Q9U	Neurexin-1	NRXN1	CTSD/PBS	NRXN1	not considered/background	-0,138489221	-0,093560176	2
200	Q9Y4C0-3;Q9Y4C0-4;A0A0U1RRJ0;Q9	Neurexin-3	NRXN3	CTSD/PBS	NRXN3	not considered/background			0
201	E3W994;A0A0U1RQJ6;E7ERI8;E7EW4	CLIP-associating protein 2	CLASP2	CTSD/PBS	CLASP2	not considered/background	-0,260186453	0,04629522	2
202	F8VSC5;Q6P3W7;A0A0U1RQQ9	SCY1-like protein 2	SCYL2	CTSD/PBS	SCYL2	not considered/background			0
203	A0A0U1RQT8;Q8TCZ2-6;Q8TCZ2-3;Q8	CD99 antigen-like protein 2	CD99L2	CTSD/PBS	CD99L2	not considered/background	-0,053329019	-0,083928155	2
205	E7EPU2;Q9Y2E4;A0A0U1RQW6;Q9Y2E	Disco-interacting protein 2 homolog C	DIP2C	CTSD/PBS	DIP2C	not considered/background	-0,200431876		1
206	Q9UNF0-2;A0A0U1RR22;Q9UNF0;B0Q	Protein kinase C and casein kinase substrate in neurons protein 2	PACSIN2	CTSD/PBS	PACSIN2	not considered/background		-0,046840254	1
207	P04908;Q96KK5;Q99878;Q16777;Q9	Histone H2A type 1-B/E;Histone H2A type 1-H;Histone H2A type 1-J;Histone H2A type 2-C;Histone	HIST1H2AB;HIST1H2AH;HIST1H2	CTSD/PBS	HIST1H2AB	not considered/background			0
208	G5E9L9;A0A0U1RR70;Q8N568-2;Q8N	Serine/threonine-protein kinase DCLK2	DCLK2	CTSD/PBS	DCLK2	not considered/background			0
209	Q9Y2D4;A0A0U1RRB6;Q9Y2D4-2;J3Q	Exocyst complex component 6B	EXOC6B	CTSD/PBS	EXOC6B	not considered/background	-0,304023998		1
212	Q8N350;A0A140JLL2;Q8N350-4;K7EL	Protein Dos	DOS	CTSD/PBS	DOS	not considered/background	-0,09508051	0,142353351	2
213	Q0P5T2;A0A140T9G8;Q5SQH8-4;Q5S	Uncharacterized protein C6orf136	C6orf136	CTSD/PBS	C6orf136	not considered/background	0,179256247	0,255614981	2
214	A0A140T9W4;A0A140T9R1;O75955-2	Flotillin-1	FLOT1	CTSD/PBS	FLOT1	not considered/background	0,156396617	0,148720692	2
215	Q5XKP0;A0A140TA86;K7EIR2;A0A140	Protein QIL1	QIL1;C19orf70	CTSD/PBS	QIL1	not considered/background			0
216	A0A2R8YD46;A0A2R8YG01;A0A2R8Y6	Excitatory amino acid transporter 2;Amino acid transporter	SLC1A2	CTSD/PBS	SLC1A2	not considered/background	0,089091319	-0,142348082	2
217	A0A182DWF2;Q9NNW7-2;D3YTF8;A0/	Thioredoxin reductase 2, mitochondrial	TXNRD2	CTSD/PBS	TXNRD2	not considered/background	0,354903461	-0,193582525	2
218	Q13510-2;E7EMM4;Q13510;A0A1B0G	Acid ceramidase;Acid ceramidase subunit alpha;Acid ceramidase subunit beta	ASAH1	CTSD/PBS	ASAH1	not considered/background	-0,079371317	-0,107420059	2
219	Q9UPP5-2;Q9UPP5;E9PEZ5;A0A1B0GU	Uncharacterized protein KIAA1107	KIAA1107	CTSD/PBS	KIAA1107	not considered/background			0
220	Q7Z4S6-6;Q7Z4S6-3;Q7Z4S6-5;A0A1B	Kinesin-like protein KIF21A	KIF21A	CTSD/PBS	KIF21A	not considered/background	-0,524292505	0,059855806	2
222	A0A1B0GVD5;A0A1B0GWE8;P07339;/	Cathepsin D;Cathepsin D light chain;Cathepsin D heavy chain	CTSD	CTSD/PBS	CTSD	Lysosomal enzymes	1,297308823	1,368513844	2
223	P28472-4;P28472-3;A0A1B0GVW3;P2	Gamma-aminobutyric acid receptor subunit beta-3;Gamma-aminobutyric acid receptor subunit	GABRB3;GABRB1;GABRB2	CTSD/PBS	GABRB3	not considered/background	-0,012824684		1
224	A0A1B0GW05			CTSD/PBS	A0A1B0GW05	not considered/background	-0,228401722		1
225	O43602-2;A0A1B0GWD1;O43602;A8	Neuronal migration protein doublecortin	DCX	CTSD/PBS	DCX	not considered/background	-0,002151219	-0,089362553	2
226	A0A1B0GWI2;O75503;A0A087WZY0;/	Ceroid-lipofuscinosis neuronal protein 5	CLN5	CTSD/PBS	CLN5	not considered/background	-0,3795825		1
227	Q674X7-5;Q674X7-2;Q674X7;A0A1B0	Kazrin	KAZN	CTSD/PBS	KAZN	not considered/background	-0,011907962	-0,118226814	2
228	F6WST4;A0A1B0GXE7;Q9P053;Q53FV	ORM1-like protein 1;ORM1-like protein 2	ORMDL1;ORMDL2;ORMDL3	CTSD/PBS	ORMDL1	not considered/background			0
229	A0A1C7CYV9;Q8WUG5-2;Q8WUG5;A0	Solute carrier family 22 member 17	SLC22A17	CTSD/PBS	SLC22A17	not considered/background		0,307519237	1
230	A0A1C7CYX9;Q16555;Q16555-2;E5RF	Dihydropyrimidinase-related protein 2	DPYSL2	CTSD/PBS	DPYSL2	not considered/background	-0,128077518	-0,110630508	2
231	Q9H902-2;Q9H902;Q9H902-3;A0A2R	Receptor expression-enhancing protein 1;Receptor expression-enhancing protein	REEP1	CTSD/PBS	REEP1	not considered/background	0,373063499	-0,162983392	2
232	A0A286YEW9;A0A286YES9;P45984-2;	Mitogen-activated protein kinase 9;Mitogen-activated protein kinase 10;Mitogen-activated prote	MAPK9;MAPK10;MAPK8	CTSD/PBS	MAPK9	not considered/background			0
233	A0A1W2PNP0;A0A1W2PP57;Q969N2	GPI transamidase component PIG-T	PIGT	CTSD/PBS	PIGT	not considered/background	-0,243045048	0,281666872	2
234	A0A1W2PNR9;Q9Y5U9	Immediate early response 3-interacting protein 1	IER3IP1	CTSD/PBS	IER3IP1	not considered/background		0,00433459	1
235	Q9H300;A0A1W2PP11;F8WCQ4;A0A1	Presenilins-associated rhomboid-like protein, mitochondrial;P-beta	PARL	CTSD/PBS	PARL	not considered/background			0
236	A0A1W2PRZ7;A0A1W2PQ74;A0A1W2	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	CTSD/PBS	HNRNPU	not considered/background			0
237	A0A1W2PPH1;P23368;A0A1W2PQT3;	NAD-dependent malic enzyme, mitochondrial	ME2	CTSD/PBS	ME2	not considered/background	0,31254901	0,262088308	2
238	O75382-4;O75382-3;A0A1W2PPI7;O7	Tripartite motif-containing protein 3	TRIM3	CTSD/PBS	TRIM3	not considered/background		-0,180147861	1
239	A0A1W2PPS8;Q9Y282-2;H0Y621;Q9Y	Endoplasmic reticulum-Golgi intermediate compartment protein 3	ERGIC3	CTSD/PBS	ERGIC3	not considered/background			0
241	A0A1W2PQV2;H3BUH9;P23434	Glycine cleavage system H protein, mitochondrial	GCSH	CTSD/PBS	GCSH	not considered/background	0,752491709		1
242	F5GYH1;A0A1W2PRM0;A0A1W2PRL5;	Adaptin ear-binding coat-associated protein 1	NECAP1	CTSD/PBS	NECAP1	not considered/background	-0,123292507	-0,005759269	2
243	A0A1W2PS43;Q14108;A0A1W2PRS1;/	Lysosome membrane protein 2	SCARB2	CTSD/PBS	SCARB2	not considered/background	-0,269477421	0,019111901	2
245	A0A1W2PS24;Q5SRN5;Q5SRN7;P0443	HLA class I histocompatibility antigen, A-3 alpha chain	HLA-A	CTSD/PBS	HLA-A	not considered/background	0,175301034	-0,06253622	2
248	Q92841-1;Q92841-3;Q92841;A0A1X7	Probable ATP-dependent RNA helicase DDX17	DDX17	CTSD/PBS	DDX17	not considered/background	0,197110515		1
250	A0A286YF22;A0A2C9F2M7;O43175;AI	D-3-phosphoglycerate dehydrogenase	PHGDH	CTSD/PBS	PHGDH	not considered/background	-0,217490785		1
251	Q9UK22;A0A286YF37;R4GNH2	F-box only protein 2	FBXO2	CTSD/PBS	FBXO2	not considered/background	-0,081705368	0,048934475	2
252	A0A2C9F2P4;P50897;A0A286YFF7;Q5	Palmitoyl-protein thioesterase 1	PPT1	CTSD/PBS	PPT1	not considered/background	0,289480386	0,165418216	2
253	Q9H5I5-2;E7EVM7;Q9H5I5;Q9H5I5-4;/	Piezo-type mechanosensitive ion channel component 2;Piezo-type mechanosensitive ion channe	PIEZO2	CTSD/PBS	PIEZO2	not considered/background			0
254	Q13555-10;Q5SWX3;Q13555-3;Q135	Calcium/calmodulin-dependent protein kinase type II subunit gamma	CAMK2G	CTSD/PBS	CAMK2G	not considered/background			0
255	A0A590UKC4;A0A2R8Y2A8;Q13367-4;	AP-3 complex subunit beta-2	AP3B2	CTSD/PBS	AP3B2	not considered/background	0,067363367	-0,379953597	2
256	A0A2R8Y3M4;A0A2R8Y7B8;A0A2R8Y6	Paraplegin	SPG7	CTSD/PBS	SPG7	not considered/background			0
257	A0A2R8Y6I1;A0A2R8Y3N3;P49590-2;F	Probable histidine--tRNA ligase, mitochondrial	HARS2	CTSD/PBS	HARS2	not considered/background		-0,35038409	1
258	A0A2R8Y430;P48637;A0A2R8Y5T7;P4	Glutathione synthetase	GSS	CTSD/PBS	GSS	not considered/background	0,025312343	0,026410765	2
259	A6NNI4;A0A2R8Y478;P21926;G8JLH6	Tetraspanin;CD9 antigen	CD9	CTSD/PBS	CD9	not considered/background			0
260	P56945-4;A0A2R8Y5E4;P56945-5;A0A	Breast cancer anti-estrogen resistance protein 1	BCAR1	CTSD/PBS	BCAR1	not considered/background			0
261	Q9UH03-2;Q9UH03;A0A2R8Y4H2;B1A	Neuronal-specific septin-3	SEPT3	CTSD/PBS	SEPT3	not considered/background	0,142740172	-0,240253262	2
262	A0A2R8YE79;A0A2R8YCE9;A0A2R8Y4L	Beta-mannosidase	MANBA	CTSD/PBS	MANBA	Lysosomal enzymes	-0,446108722		1
263	Q3V6T2;A0A2R8Y4X4;Q3V6T2-2;A0A2	Girdin	CCDC88A	CTSD/PBS	CCDC88A	not considered/background			0
264	H3BV07;A0A2R8Y518;Q9ULP9-2;Q9UI	TBC1 domain family member 24	TBC1D24	CTSD/PBS	TBC1D24	not considered/background	0,038295698	-0,061707085	2
265	A0A2R8Y804;A0A2R8Y543;A0A2R8YC	Catenin beta-1	CTNNB1	CTSD/PBS	CTNNB1	not considered/background	-0,028395751	-0,1264443	2
267	Q9P260;A0A2R8Y566;Q9P260-2;A0A0	LisH domain and HEAT repeat-containing protein KIAA1468	KIAA1468	CTSD/PBS	KIAA1468	not considered/background	-0,533743552		1
268	P35241;A0A2R8Y557;P35241-5;A0A2	Radixin	RDX	CTSD/PBS	RDX	not considered/background	-0,088162718	-0,076422275	2
269	A0A2R8Y611;O14617-3;O14617-4;O1	AP-3 complex subunit delta-1	AP3D1	CTSD/PBS	AP3D1	not considered/background	-0,572994628		1
270	A0A2R8Y6J3;P46777;Q5T7N0;A0A2R8	60S ribosomal protein L5	RPL5	CTSD/PBS	RPL5	not considered/background	0,058108649		1
271	A0A2R8YDQ9;Q9P2R7-2;Q9P2R7;A0A	Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial	SUCLA2	CTSD/PBS	SUCLA2	not considered/background	0,203639694	0,096267552	2
272	A0A2R8Y7H4;P60891;B1ALA9;P60891	Ribose-phosphate pyrophosphokinase 1;Ribose-phosphate pyrophosphokinase 2	PRPS1;PRPS2	CTSD/PBS	PRPS1	not considered/background	0,249384659	0,024545897	2
273	A0A2R8Y7K4;F5GZB4;Q8IVV2	Lipoxygenase homology domain-containing protein 1	LOXHD1	CTSD/PBS	LOXHD1	not considered/background			0
274	P62263;A0A2R8Y811;E5RH77	40S ribosomal protein S14	RPS14	CTSD/PBS	RPS14	not considered/background	0,10353121	-0,458382004	2
275	P15056;H7C560;A0A2U3TZI2;A0A2R8	Serine/threonine-protein kinase B-raf;Serine/threonine-protein kinase A-Raf	BRAF;ARAF	CTSD/PBS	BRAF	not considered/background			0
276	P68400;E7EU96;A0A2R8YD58;A0A2R8	Casein kinase II subunit alpha;Casein kinase II subunit alpha 3	CSNK2A1;CSNK2A3	CTSD/PBS	CSNK2A1	not considered/background	-0,204648635	-0,114766793	2
277	A0A2R8YE10;Q9NRW7;A0A2R8YD95;A	Vacuolar protein sorting-associated protein 45	VPS45	CTSD/PBS	VPS45	not considered/background	-0,073924652	0,24470219	2
278	P30531;A0A2R8YDD5;A0A2R8YEF0;A0	Sodium- and chloride-dependent GABA transporter 1;Transporter	SLC6A1	CTSD/PBS	SLC6A1	not considered/background			0
279	Q9H267-2;F5H008;A0A2R8YDQ0;Q9H	Vacuolar protein sorting-associated protein 33B	VPS33B	CTSD/PBS	VPS33B	not considered/background			0
280	A0A2U3TZM4;O14936-3;O14936;O14	Peripheral plasma membrane protein CASK	CASK	CTSD/PBS	CASK	not considered/background	-0,060954006	-0,292663973	2
283	Q14155-2;Q14155-3;Q14155;A0A2R8	Rho guanine nucleotide exchange factor 7	ARHGEF7	CTSD/PBS	ARHGEF7	not considered/background		-0,928048109	1
284	O14773-2;A0A2R8YGD1;O14773;A0A2	Tripeptidyl-peptidase 1	TPP1	CTSD/PBS	TPP1	not considered/background	-0,328434874	-0,535754381	2
285	A0A2R8YGH5;P61966;H7C1E4;P6196	AP-1 complex subunit sigma-1A	AP1S1	CTSD/PBS	AP1S1	not considered/background	-0,225818077		1
286	Q05639;A0A2U3TZH3;A0A2R8Y488;A0	Elongation factor 1-alpha 2	EEF1A2	CTSD/PBS	EEF1A2	not considered/background	-0,280124407	0,118413684	2
287	P11171;A0A2U3TZH6;P11171-2;P111	Protein 4.1	EPB41	CTSD/PBS	EPB41	not considered/background	0,153935011	0,29436706	2
288	E9PNW4;A0A2U3TZL5;P13987;P1398	CD59 glycoprotein	CD59	CTSD/PBS	CD59	not considered/background	0,049351959	-0,268075023	2
289	P06744;A0A2U3TZU2;P06744-2;K7EQ	Glucose-6-phosphate isomerase	GPI	CTSD/PBS	GPI	not considered/background	-0,074258771	-0,121678557	2
290	A0A2Y9DD25;P56556;R4GN43	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NDUFA6	CTSD/PBS	NDUFA6	not considered/background	-0,146627061	0,159347441	2
291	Q8IY17-5;Q8IY17-2;A0A384DVU0;Q8I	Neuropathy target esterase	PNPLA6	CTSD/PBS	PNPLA6	not considered/background			0
292	V9GYY3;P11586;A0A384N5Y3;F5H2F4	C-1-tetrahydrofolate synthase, cytoplasmic;Methylenetetrahydrofolate dehydrogenase;Metheny	MTHFD1	CTSD/PBS	MTHFD1	not considered/background		-0,10272531	1
293	A0A3B3IRI2;P17812;B4E1E0;A0A3B3I	CTP synthase 1;CTP synthase	CTPS1	CTSD/PBS	CTPS1	not considered/background	-0,30900192	-0,094776557	2
294	C9J3L8;C9J5W0;P43307;A0A3B3IRT8;	Translocon-associated protein subunit alpha	SSR1	CTSD/PBS	SSR1	not considered/background	0,227741076	0,233040235	2
295	A0A3B3IRU7;Q9Y233;Q9Y233-2;A0A3	cAMP and cAMP-inhibited cGMP 3,5-cyclic phosphodiesterase 10A	PDE10A	CTSD/PBS	PDE10A	not considered/background	-0,152131339	0,000750397	2
296	P54762;A0A3B3IRY8;P54762-5;P2931	Ephrin type-B receptor 1	EPHB1	CTSD/PBS	EPHB1	not considered/background		-0,354000719	1
297	O15079;A0A3B3IRY9;O15079-2;B3KR	Syntaphilin;Syntabulin	SNPH;SYBU	CTSD/PBS	SNPH	not considered/background			0
298	A0A3B3IS01;A0A3B3IT01;A0A3B3ISK7	Aspartate--tRNA ligase, mitochondrial	DARS2	CTSD/PBS	DARS2	not considered/background			0
299	P78352-2;B7Z647;B9EGL1;A0A3B3ISC	Disks large homolog 4	DLG4	CTSD/PBS	DLG4	not considered/background			0
302	A0A3B3IT15;A0A3B3IS84;P53621;P53	Coatomer subunit alpha;Xenin;Proxenin	COPA	CTSD/PBS	COPA	not considered/background	0,015782997	0,175826859	2
305	Q4G176;A0A3B3ISK9;F5H362;F5H755	Acyl-CoA synthetase family member 3, mitochondrial	ACSF3	CTSD/PBS	ACSF3	not considered/background			0
306	A0A3B3ISV4			CTSD/PBS	A0A3B3ISV4	not considered/background	-0,112942706	0,123701132	2
307	H3BSW0;Q8N9N7;A0A3B3ISV5	Leucine-rich repeat-containing protein 57	LRRC57	CTSD/PBS	LRRC57	not considered/background	0,08024833	0,100700605	2
308	O43414-3;H0Y4B0;O43414-2;A0A3B3	ERI1 exoribonuclease 3	ERI3	CTSD/PBS	ERI3	not considered/background	-0,080576009		1
310	A0A3B3IU40;Q12756-2;Q12756-3;Q1	Kinesin-like protein KIF1A	KIF1A	CTSD/PBS	KIF1A	not considered/background	-0,112334366	0,088714922	2
312	F6R503;F8WA47;Q5VWQ8-3;Q5VWQ8	Disabled homolog 2-interacting protein	DAB2IP	CTSD/PBS	DAB2IP	not considered/background			0
313	P36871;A0A3B3ITK7;P36871-2;P3687	Phosphoglucomutase-1	PGM1	CTSD/PBS	PGM1	not considered/background	-0,252054107	-0,227371423	2
314	D6RIS5;A0A3B3ITP4;Q8IVH4;Q495G5;	Methylmalonic aciduria type A protein, mitochondrial	MMAA	CTSD/PBS	MMAA	not considered/background			0
315	A0A3B3ITT1;Q6IQ22	Ras-related protein Rab-12	RAB12	CTSD/PBS	RAB12	not considered/background		0,528614817	1
316	P47914;A0A3B3ITT5	60S ribosomal protein L29	RPL29	CTSD/PBS	RPL29	not considered/background		-0,053528441	1
317	P28288-2;P28288;A0A3B3ITW3;P282	ATP-binding cassette sub-family D member 3	ABCD3	CTSD/PBS	ABCD3	not considered/background	-0,3438057	0,066110155	2
318	Q8TCT9-5;Q8TCT9;A0A3B3IUB5;A0A0	Minor histocompatibility antigen H13	HM13	CTSD/PBS	HM13	not considered/background	0,030971642	0,018790311	2
319	A0A494BWY4;Q6IEE7	Transmembrane protein 132E	TMEM132E	CTSD/PBS	TMEM132E	not considered/background			0
322	A0A494C017;C9JJV6;C9JZL8;A0A499F	Myeloid-associated differentiation marker	MYADM	CTSD/PBS	MYADM	not considered/background	0,283566239	-0,081884967	2
327	P50336;A0A494C146;A0A494C0D4;H	Protoporphyrinogen oxidase	PPOX	CTSD/PBS	PPOX	not considered/background	0,303809967	0,330755486	2
328	A8MXB9;A0A494C1B1;J3KQJ1;Q8NBJ	Sulfatase-modifying factor 2	SUMF2	CTSD/PBS	SUMF2	not considered/background	-0,262071007		1
329	A0A494C1N0;P26885;F5H0N4	Peptidyl-prolyl cis-trans isomerase FKBP2;Peptidyl-prolyl cis-trans isomerase	FKBP2	CTSD/PBS	FKBP2	not considered/background	0,324695414	0,183064489	2
331	A0A499FJN5;P22830;P22830-2;K7EL	Ferrochelatase, mitochondrial	FECH	CTSD/PBS	FECH	not considered/background	0,098150021	0,013625474	2
333	K7EKN5;A0A590UJ23;A6ND89;A0A59	Paralemmin-3	PALM3	CTSD/PBS	PALM3	not considered/background			0
334	P48729;P48729-2;U3KPX3;A0A590UJ	Casein kinase I isoform alpha	CSNK1A1	CTSD/PBS	CSNK1A1	not considered/background			0
336	K7EMV3;A0A590UJJ6;B4DEB1;K7EK07	Histone H3;Histone H3.2;Histone H3.1t;Histone H3.3;Histone H3.1;Histone H3.3C	H3F3B;H3F3A;HIST2H3A;HIST3H	CTSD/PBS	H3F3B	not considered/background	-0,081323729	-0,388134419	2
338	Q01433-3;Q01433-5;Q01433-2;Q014	AMP deaminase 2	AMPD2	CTSD/PBS	AMPD2	not considered/background	0,010923027		1
340	A0A5F9YF59;C9JBL1;Q9Y6A9	Signal peptidase complex subunit 1	SPCS1	CTSD/PBS	SPCS1	not considered/background			0
341	A0A5F9ZHS1;A0A5F9ZGX3;Q01484;A0	Ankyrin-2	ANK2	CTSD/PBS	ANK2	not considered/background	-0,296031109	-0,285698126	2
343	Q9Y653;Q9Y653-2;A0A5F9ZHT7;Q9Y6	G-protein coupled receptor 56;GPR56 N-terminal fragment;GPR56 C-terminal fragment	GPR56;ADGRG1	CTSD/PBS	GPR56	not considered/background	0,341758085		1
344	A0A5F9ZHN9;P51648-2;P51648;A0A5	Fatty aldehyde dehydrogenase	ALDH3A2	CTSD/PBS	ALDH3A2	not considered/background	-0,171368418	0,075276792	2
345	P07195;A0A5F9ZHM4;A0A3B3IS95;A8	L-lactate dehydrogenase B chain;L-lactate dehydrogenase	LDHB	CTSD/PBS	LDHB	not considered/background	-0,146371558	-0,032806145	2
346	Q9NTJ5;A0A5F9ZHN7;E9PGZ4;Q9NTJ5	Phosphatidylinositide phosphatase SAC1	SACM1L	CTSD/PBS	SACM1L	not considered/background	-0,216501438	-0,089091319	2
347	P11117;A0A5F9ZHR7;E9PHY0;E9PQY3	Lysosomal acid phosphatase	ACP2	CTSD/PBS	ACP2	Lysosomal enzymes	-0,116785854	-0,344374033	2
350	P55263-3;P55263-4;P55263-2;A0A5K	Adenosine kinase	ADK	CTSD/PBS	ADK	not considered/background			0
351	Q99766;A0A5K1VW60;A0A2R8YDJ1	ATP synthase subunit s, mitochondrial	ATP5S	CTSD/PBS	ATP5S	not considered/background			0
353	A0A669KAX3;O76024;H0Y9G5	Wolframin	WFS1	CTSD/PBS	WFS1	not considered/background			0
354	Q5T653;A0A669KAX9;C9JY40	39S ribosomal protein L2, mitochondrial	MRPL2	CTSD/PBS	MRPL2	not considered/background			0
355	O60716;O60716-2;O60716-3;C9JZR2;	Catenin delta-1	CTNND1	CTSD/PBS	CTNND1	not considered/background	-0,012009792	-0,111164889	2
356	P37840-2;E7EPV7;P37840;A0A669KB	Alpha-synuclein	SNCA	CTSD/PBS	SNCA	Alpha-Synuclein	-0,25785578	-0,724562965	2
357	P42224-2;J3KPM9;A0A669KBI6;A0A6	Signal transducer and activator of transcription 1-alpha/beta;Signal transducer and activator of t	STAT1	CTSD/PBS	STAT1	not considered/background			0
358	P11137-3;P11137;A0A669KB77;E7EVI	Microtubule-associated protein 2	MAP2	CTSD/PBS	MAP2	not considered/background	-0,430120094	-0,251082803	2
359	A0A669KB6E;Q9NV96;A0A669KBF5;Q	Cell cycle control protein 50A	TMEM30A	CTSD/PBS	TMEM30A	not considered/background	-0,104821487	0,002859368	2
360	A0A6I8PIS1;Q00796;Q00796-2;H0YKB	Sorbitol dehydrogenase	SORD	CTSD/PBS	SORD	not considered/background			0
361	A0A6I8PL42;B4DER1;A0A6I8PIV1;Q9P	Leucine--tRNA ligase, cytoplasmic	LARS	CTSD/PBS	LARS	not considered/background	0,057970069	0,372916175	2

362	A0A6I8PIW1;O43301;A0A6I8PIT5;A0A	Heat shock 70 kDa protein 12A	HSPA12A	CTSD/PBS	HSPA12A	not considered/background	-0,141398282	-0,152118504	2
363	A0A6I8PRB8;A0A6I8PL17;Q16827-2;C	Receptor-type tyrosine-protein phosphatase O	PTPRO	CTSD/PBS	PTPRO	not considered/background	0,096396804	-0,075737982	2
365	O95490-6;O95490-5;A0A6I8PRJ0;O95	Latrophilin-2	LPHN2;ADGRL2	CTSD/PBS	LPHN2	not considered/background		0,118445006	1
366	K7ER44;Q99615;A0A6I8PUD4;A0A6I8	DnaJ homolog subfamily C member 7	DNAJC7	CTSD/PBS	DNAJC7	not considered/background			0
367	A0A6I8PTT9;Q06210-2;Q06210;A0A6I	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	GFPT1	CTSD/PBS	GFPT1	not considered/background			0
368	Q08379-2;A0A6Q8KRG2;Q08379;A0A	Golgin subfamily A member 2	GOLGA2	CTSD/PBS	GOLGA2	not considered/background			0
369	C9J6R3;Q9BYV8-5;Q9BYV8-2;A0A6Q8F	Centrosomal protein of 41 kDa	CEP41	CTSD/PBS	CEP41	not considered/background		-0,130535557	1
370	A0A6Q8PHG4;A0A6Q8PFX3;A0A6Q8P	Tripartite motif-containing protein 2	TRIM2	CTSD/PBS	TRIM2	not considered/background	-0,415864882	-0,247076832	2
372	A0A6Q8PEZ7;A0A6Q8PG75;Q96S66;AI	Chloride channel CLIC-like protein 1	CLCC1	CTSD/PBS	CLCC1	not considered/background	0,179001399		1
373	Q96DH6-2;B4DHE8;Q96DH6;A0A6Q8F	RNA-binding protein Musashi homolog 2	MSI2	CTSD/PBS	MSI2	not considered/background			0
374	A0A6Q8PHU0;A0A6Q8PF35;F8VUA2;F	Charged multivesicular body protein 1a	CHMP1A	CTSD/PBS	CHMP1A	not considered/background		-0,131589484	1
375	A0A6Q8PFA6;O00139;A0A6Q8PH57;C	Kinesin-like protein KIF2A	KIF2A	CTSD/PBS	KIF2A	not considered/background	-0,12834557	0,032919949	2
376	A0A6Q8PFC2;Q9UNW9;F8VYI3	RNA-binding protein Nova-2	NOVA2	CTSD/PBS	NOVA2	not considered/background	-0,10285253		1
378	O95140;A0A6Q8PFJ4;A0A6Q8PGS9;A(	Mitofusin-2	MFN2	CTSD/PBS	MFN2	not considered/background	0,216113358	0,207577729	2
379	A0A6Q8PFK8;P04792;A0A6Q8PGK1;A	Heat shock protein beta-1	HSPB1	CTSD/PBS	HSPB1	not considered/background	-0,431481402	-0,479541007	2
380	A0A6Q8PFU2;Q9UPS8-2;E7ESJ3;Q9UP	Ankyrin repeat domain-containing protein 26;Ankyrin repeat domain-containing protein 62;Coil	ANKRD26;ANKRD62;CCDC144A;	CTSD/PBS	ANKRD26	not considered/background	-0,419121292		1
381	Q92734-2;Q92734;A0A6Q8PFY7;A0A6	Protein TFG	TFG	CTSD/PBS	TFG	not considered/background	0,00273852	0,015592935	2
382	Q96PU5-3;A0A6Q8PG51;Q96PU5-5;Q	E3 ubiquitin-protein ligase NEDD4-like	NEDD4L	CTSD/PBS	NEDD4L	not considered/background	-0,30569923	0,006274923	2
384	A0A6Q8PGS2;A0A6Q8PGL3;Q8TB36;A	Ganglioside-induced differentiation-associated protein 1	GDAP1	CTSD/PBS	GDAP1	not considered/background	0,045442971	-0,023894043	2
385	E7ETE2;P12081-3;P12081;P12081-4;/	Histidine--tRNA ligase, cytoplasmic	HARS	CTSD/PBS	HARS	not considered/background	0,035342381	0,124660282	2
386	Q5JUV4;A0A6Q8PHB5;P49902;A0A6Q	Cytosolic purine 5-nucleotidase	NT5C2	CTSD/PBS	NT5C2	not considered/background		-0,63236129	1
387	P50440-2;A0A6Q8PHC6;P50440;P504	Glycine amidinotransferase, mitochondrial	GATM	CTSD/PBS	GATM	not considered/background	0,541217448	-0,363451457	2
388	A0A7D9N0L9;Q7Z553;Q7Z553-3;Q7Z5	MAM domain-containing glycosylphosphatidylinositol anchor protein 2	MDGA2	CTSD/PBS	MDGA2	not considered/background			0
389	A0AVT1;A0AVT1-2;H0Y8S8	Ubiquitin-like modifier-activating enzyme 6	UBA6	CTSD/PBS	UBA6	not considered/background			0
390	A0MZ66-2;A0MZ66-4;A0MZ66;A0MZ6	Shootin-1	KIAA1598	CTSD/PBS	KIAA1598	not considered/background	-0,242464645	-0,002162421	2
391	A1A5C7;C9J4Z0;A1A5C7-3;A1A5C7-2;I	Solute carrier family 22 member 23	SLC22A23	CTSD/PBS	SLC22A23	not considered/background	-0,351295278	-0,303693088	2
392	A1L0T0;M0R026;M0QZX5;E9PJS0;E9P	Acetolactate synthase-like protein	ILVBL	CTSD/PBS	ILVBL	not considered/background	-0,048024356	0,084410265	2
393	A1X283;G3V144;A0A1B0GUF2;H0Y5O	SH3 and PX domain-containing protein 2B;SH3 and PX domain-containing protein 2A	SH3PXD2B;SH3PXD2A	CTSD/PBS	SH3PXD2B	not considered/background			0
394	P04156;A2A2V1;K6RKS3	Major prion protein	PRNP	CTSD/PBS	PRNP	Other substrate	0,130271955	-0,054362288	2
395	A2IDC6;Q13084;A2IDC7;Q4TT37	39S ribosomal protein L28, mitochondrial	MRPL28	CTSD/PBS	MRPL28	not considered/background	0,616075342		1
396	A2RRP1;A2RRP1-2;H0Y5G7;H7BZR3;H	Neuroblastoma-amplified sequence	NBAS	CTSD/PBS	NBAS	not considered/background	0,012211084	0,042664824	2
398	A3KMH1-2;A3KMH1-3;A3KMH1	von Willebrand factor A domain-containing protein 8	VWA8	CTSD/PBS	VWA8	not considered/background			0
400	A6NCQ0;A6NJU6;Q9UKK9;A6NFX8;H0	ADP-sugar pyrophosphatase	NUDT5	CTSD/PBS	NUDT5	not considered/background	-0,530634946		1
402	A6NDG6;H3BV17	Phosphoglycolate phosphatase	PGP	CTSD/PBS	PGP	not considered/background	0,156267163		1
403	O95861-4;A6NF51;O95861;O95861-2	3(2),5-bisphosphate nucleotidase 1	BPNT1	CTSD/PBS	BPNT1	not considered/background			0
404	K7EIJ0;Q969T9-2;K7ENL2;A6NG10;K7	WW domain-binding protein 2	WBP2	CTSD/PBS	WBP2	not considered/background	0,125386605	0,010497639	2
405	A6NGN9	IgLON family member 5	IGLON5	CTSD/PBS	IGLON5	not considered/background			0
407	A6NGW1;O95070;E9PS11;E9PIZ0;C9J	Protein YIF1A	YIF1A	CTSD/PBS	YIF1A	not considered/background			0
408	F8WF64;C9JZK8;O95825-2;A6NND8;A	Quinone oxidoreductase-like protein 1	CRYZL1	CTSD/PBS	CRYZL1	not considered/background			0
410	A6NHX0;F2Z3I9;F2Z2C1;F8WD52;B7W	GATS-like protein 2	GATSL2	CTSD/PBS	GATSL2	not considered/background		-0,113033665	1
411	A6NJ78;A0A0U1RRF2;B5MC64;A6NJ7	Probable methyltransferase-like protein 15	METTL15	CTSD/PBS	METTL15	not considered/background			0
412	A6NJA2;P54578-2;P54578-3;P54578;	Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14	USP14	CTSD/PBS	USP14	not considered/background	-0,033968286	-0,091124334	2
413	Q16540;A6NJD9;A8MVT4;A8MYK1;H7	39S ribosomal protein L23, mitochondrial	MRPL23	CTSD/PBS	MRPL23	not considered/background	0,413702389		1
414	A6NKG5	Retrotransposon-like protein 1	RTL1	CTSD/PBS	RTL1	not considered/background	0,186880831	0,315935341	2
416	E9PJK1;E9PRJ8;H0YDL9;H0YDJ9;P600	Tetraspanin;CD81 antigen	CD81	CTSD/PBS	CD81	not considered/background	0,124460486	-0,044044333	2
417	Q8NFZ3-2;Q8NFZ3;Q8N0W4;Q8N0W4	Neuroligin-4, Y-linked;Neuroligin-4, X-linked	NLGN4Y;NLGN4X	CTSD/PBS	NLGN4Y	not considered/background			0
418	Q15257;F6WIT2;A6PVN5;Q15257-2;Q	Serine/threonine-protein phosphatase 2A activator	PPP2R4	CTSD/PBS	PPP2R4	not considered/background	-0,075854496	-0,037030731	2
419	A6ZKI3;Q9BWD3;Q17RB0	Protein FAM127A;Protein FAM127B;Protein FAM127C	FAM127A;FAM127B;FAM127C	CTSD/PBS	FAM127A	not considered/background			0
420	A7MBM2	Protein dispatched homolog 2	DISP2	CTSD/PBS	DISP2	not considered/background		0,267340056	1
422	A8MRA7;Q5TC12;I3L448;H0YDD6;H0Y	ATP synthase mitochondrial F1 complex assembly factor 1	ATPAF1	CTSD/PBS	ATPAF1	not considered/background		0,204665261	1
423	P49840;A8MT37;M0QYV0	Glycogen synthase kinase-3 alpha	GSK3A	CTSD/PBS	GSK3A	not considered/background	-0,243267029		1
426	P62750;H7BY10;K7EJV9;K7ERT8;A8MI	60S ribosomal protein L23a	RPL23A	CTSD/PBS	RPL23A	not considered/background	-0,142464817		1
427	E9PN41;A8MVV6;O14817;J3KQ42;E9F	Tetraspanin;Tetraspanin-4	TSPAN4	CTSD/PBS	TSPAN4	not considered/background			0
428	A8MVW0;K7EMG4;Q5VUB5	Protein FAM171A2	FAM171A2	CTSD/PBS	FAM171A2	not considered/background	-0,047055188	0,121627775	2
432	F2Z2V0;Q99829;B0QZ18;H0Y524;E7EI	Copine-1	CPNE1	CTSD/PBS	CPNE1	not considered/background			0
435	P48444;B0YIW6;P48444-2;Q6P1Q5;E	Coatomer subunit delta	ARCN1	CTSD/PBS	ARCN1	not considered/background	-0,007072084	-0,52947116	2
437	O14525-3;B1AJS1;O14525-2;O14525	Astrotactin-1	ASTN1	CTSD/PBS	ASTN1	not considered/background			0
438	B1AJY5;B1AJY7;O75832;B1AJY6;O758	26S proteasome non-ATPase regulatory subunit 10	PSMD10	CTSD/PBS	PSMD10	not considered/background	-0,163477958	-0,263395035	2
440	F8WCR2;B1AKV4;B1AKV2;F6UTR7;B1A	Ubiquinol-cytochrome-c reductase complex assembly factor 1	UQCC1	CTSD/PBS	UQCC1	not considered/background			0
441	P50993;B1AKY9;H0Y7C1	Sodium/potassium-transporting ATPase subunit alpha-2	ATP1A2	CTSD/PBS	ATP1A2	not considered/background	-0,910013802	-0,939828359	2
442	Q9P0T7;B1ALM5;Q9NQ34-2;B1ALM7;I	Transmembrane protein 9	TMEM9	CTSD/PBS	TMEM9	not considered/background	0,480058269	0,173010255	2
443	Q14141-2;Q14141-4;B1AMS2;Q14141	Septin-6	SEPT6	CTSD/PBS	SEPT6	not considered/background	-0,013305105	-0,172615522	2
444	Q16774;B1ANH0;Q16774-2;B1ANH5;I	Guanylate kinase	GUK1	CTSD/PBS	GUK1	not considered/background	0,089498151	0,200232963	2
446	B1AP15;H3BLV0;P08174-4;P08174;PI	Complement decay-accelerating factor	CD55	CTSD/PBS	CD55	not considered/background			0
447	P07910;P07910-3;G3V2Q1;P07910-2	Heterogeneous nuclear ribonucleoproteins C1/C2;Heterogeneous nuclear ribonucleoprotein C-li	HNRNPC;HNRNPCL2;HNRNPCL4;	CTSD/PBS	HNRNPC	not considered/background		-0,220082261	1
449	F5H5N2;B4DNC9;B3KQ30;Q9H1K1;Q9	Iron-sulfur cluster assembly enzyme ISCU, mitochondrial	ISCU	CTSD/PBS	ISCU	not considered/background	0,35614381	0,356587074	2
450	O15382-2;M0QZP4;B3KSI3;O15382;M	Branched-chain-amino-acid aminotransferase, mitochondrial;Branched-chain-amino-acid amino	BCAT2	CTSD/PBS	BCAT2	not considered/background	0,263875733	0,134762124	2
453	O14735-3;O14735;B3KY94;H3BUR9	CDP-diacylglycerol--inositol 3-phosphatidyltransferase	CDIPT	CTSD/PBS	CDIPT	not considered/background		0,340696482	1
454	P41732;B4DDG0;B4E171	Tetraspanin-7;Tetraspanin	TSPAN7	CTSD/PBS	TSPAN7	not considered/background	0,283566239	-0,054917919	2
455	B4DE6D;Q9BRK0;Q9BRK0-2;A0A087W	Receptor expression-enhancing protein;Receptor expression-enhancing protein 2	REEP2	CTSD/PBS	REEP2	not considered/background	0,109828565		1
456	B4DEM9;Q9Y2S7	Polymerase delta-interacting protein 2	POLDIP2	CTSD/PBS	POLDIP2	not considered/background	0,464250034	0,61672426	2
457	B4DI03;K7EJQ7;Q9BY50;A0A0A0MR04	Signal peptidase complex catalytic subunit SEC11;Signal peptidase complex catalytic subunit SEC	SEC11L3;SEC11C	CTSD/PBS	SEC11L3	not considered/background			0
458	O75390;B4DJV2;A0A0C4DGI3;H0YIC4	Citrate synthase, mitochondrial;Citrate synthase	CS	CTSD/PBS	CS	not considered/background	0,29207495	0,227134651	2
459	B4DKF8;Q9NYI0-3;A0A087X1Z0;A0A0I	PH and SEC7 domain-containing protein 3	PSD3	CTSD/PBS	PSD3	not considered/background	0,170181458	0,513131199	2
460	P49589-2;B4DKY1;P49589;P49589-3;	Cysteine--tRNA ligase, cytoplasmic	CARS	CTSD/PBS	CARS	not considered/background	0,001441974	0,018980333	2
461	B4DLN1;P52815			CTSD/PBS	B4DLN1	not considered/background	0,503857533	0,278548591	2
463	B4DR12;O60291-4;O60291;O60291-3	E3 ubiquitin-protein ligase MGRN1	MGRN1	CTSD/PBS	MGRN1	not considered/background		0,127730701	1
464	P61619;B4DR61;P61619-3;H7C1Q9;C	Protein transport protein Sec61 subunit alpha isoform 1	SEC61A1	CTSD/PBS	SEC61A1	not considered/background	0,120086471	-0,042224074	2
466	B4DSN5;P18031	Tyrosine-protein phosphatase non-receptor type;Tyrosine-protein phosphatase non-receptor typ	PTPN1	CTSD/PBS	PTPN1	not considered/background		0,446226655	1
468	B4DY09;Q12905;X6R6Z1;A0A0A0MRL	Interleukin enhancer-binding factor 2	ILF2	CTSD/PBS	ILF2	not considered/background			0
469	B4E0T2;F5H432;F5GXX3;F5H205;F5H	Peroxisomal targeting signal 1 receptor	PEX5	CTSD/PBS	PEX5	not considered/background			0
470	P98194-2;P98194-4;H0Y9V7;P98194;	Calcium-transporting ATPase type 2C member 1;Calcium-transporting ATPase	ATP2C1	CTSD/PBS	ATP2C1	not considered/background	0,426103701		1
471	Q9HC35-2;Q9HC35;B5MBZ0	Echinoderm microtubule-associated protein-like 4	EML4	CTSD/PBS	EML4	not considered/background	-0,244548354		1
472	B5MC53;B5MCF8;P39210;E7EX18;F8V	Protein Mpv17	MPV17	CTSD/PBS	MPV17	not considered/background			0
473	B5MCA4;P16422;C9JKY3	Epithelial cell adhesion molecule	EPCAM	CTSD/PBS	EPCAM	not considered/background			0
474	Q15700-5;B5MCC5;Q15700-3;F8VYC1	Disks large homolog 2	DLG2	CTSD/PBS	DLG2	not considered/background			0
475	B5MCD7;O43759-2;O43759;A2A283;I	Synaptogyrin-1	SYNGR1	CTSD/PBS	SYNGR1	not considered/background	-0,138584507	-0,344260395	2
476	Q8NHH9-3;B5MCN0;Q8NHH9-5;Q8NH	Atlastin-2	ATL2	CTSD/PBS	ATL2	not considered/background	0,379953597	0,110183834	2
478	P62826;B5MDF5;J3KQE5;F5H018;H0Y	GTP-binding nuclear protein Ran	RAN	CTSD/PBS	RAN	not considered/background	0,143001506	-0,009347172	2
479	Q5T8D3-4;Q5T8D3-2;B7Z2R7;Q5T8D3	Acyl-CoA-binding domain-containing protein 5	ACBD5	CTSD/PBS	ACBD5	not considered/background	0,214622201		1
480	B7Z2U2;Q6ZVM7-3;Q6ZVM7-5;Q6ZVM	TOM1-like protein 2	TOM1L2	CTSD/PBS	TOM1L2	not considered/background			0
481	Q96M96-2;F8W1R0;Q96M96;B7Z493;	FYVE, RhoGEF and PH domain-containing protein 4	FGD4	CTSD/PBS	FGD4	not considered/background			0
482	B8ZZK4;H7C2W9;C9JU56;B7Z4E3;P62	60S ribosomal protein L31	RPL31	CTSD/PBS	RPL31	not considered/background			0
483	F5GZ08;B7Z4G8;P51693;P51693-2;K7	Amyloid-like protein 1;C30	APLP1	CTSD/PBS	APLP1	not considered/background	-0,490496699	0,280877905	2
485	F8W1R7;P60660-2;P60660;J3KND3;G	Myosin light polypeptide 6;Myosin light chain 6B	MYL6;MYL6B	CTSD/PBS	MYL6	not considered/background	0,178873958	-0,188527527	2
487	P62495-2;B7Z7P8;P62495	Eukaryotic peptide chain release factor subunit 1	ETF1	CTSD/PBS	ETF1	not considered/background			0
489	P55209;F8VV59;H0YIV4;F5H4R6;F8W	Nucleosome assembly protein 1-like 1	NAP1L1	CTSD/PBS	NAP1L1	not considered/background	-0,062504943	-1,04453401	2
490	B7Z9I1;P11310;P11310-2;Q5T4U5;E9	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADM	CTSD/PBS	ACADM	not considered/background	0,158207748	-0,192572941	2
491	Q9NR46;B7ZC38;Q9NR46-2;B7ZC39;F	Endophilin-B2	SH3GLB2	CTSD/PBS	SH3GLB2	not considered/background	-0,124565911	0,014572435	2
492	F8W9W0;F8VP57;P54756-2;B7ZKW7;	Receptor protein-tyrosine kinase;Ephrin type-A receptor 5	EPHA5	CTSD/PBS	EPHA5	not considered/background	0,130271955	-0,092342769	2
494	Q5VT82;B7ZM79;Q9HC56-2;Q9HC56	Protocadherin-9	PCDH9	CTSD/PBS	PCDH9	not considered/background	-0,182147567		1
495	B7ZM87;O75044;A0A075B7B5;P0DMI	SLIT-ROBO Rho GTPase-activating protein 2;SLIT-ROBO Rho GTPase-activating protein 2B;SLIT-RO	SRGAP2;SRGAP2B;SRGAP2C	CTSD/PBS	SRGAP2	not considered/background	-0,27912619	-0,209515751	2
496	B8ZZG1;Q9NZW5;C9J4Q3;C9JGI8;REV	MAGUK p55 subfamily member 6	MPP6	CTSD/PBS	MPP6	not considered/background	-0,403484612	-0,799750462	2
497	B8ZZK5;C9IZ52;O43924	Retinal rod rhodopsin-sensitive cGMP 3,5-cyclic phosphodiesterase subunit delta	PDE6D	CTSD/PBS	PDE6D	not considered/background			0
499	B8ZZV5;Q8TCC3-3;Q8TCC3;Q8TCC3-2	39S ribosomal protein L30, mitochondrial	MRPL30	CTSD/PBS	MRPL30	not considered/background			0
503	P41247;C9IZF6;P41247-2	Patatin-like phospholipase domain-containing protein 4	PNPLA4	CTSD/PBS	PNPLA4	not considered/background			0
506	C9J0K6;P30626-3;P30626-2;P30626;I	Sorcin	SRI	CTSD/PBS	SRI	not considered/background	0,266156864	-0,273575566	2
507	C9J126;P19022-2;P19022;C9JMH2;A(	Cadherin-2	CDH2	CTSD/PBS	CDH2	not considered/background	-0,452234323	0,169679764	2
508	O43324-2;D6RBD7;C9J1V9;O43324;D	Eukaryotic translation elongation factor 1 epsilon-1	EEF1E1;EEF1E1-BLOC1S5	CTSD/PBS	EEF1E1	not considered/background			0
510	M0R0A1;C9J4Z3;Q6P4E4;E9PEL3;M0R	60S ribosomal protein L37a	RPL37A	CTSD/PBS	RPL37A	not considered/background			0
511	Q9BTE6;C9J5N1;Q9BTE6-2;Q9BTE6-3;L	Alanyl-tRNA editing protein Aarsd1	AARSD1;PTGES3L-AARSD1	CTSD/PBS	AARSD1	not considered/background			0
512	C9J712;P35080;C9J2N0;C9JQJ7;C9JQ	Profilin-2;Profilin	PFN2	CTSD/PBS	PFN2	not considered/background	0,030971642	-0,253384236	2
513	Q9Y5L0-5;Q9Y5L0-3;Q9Y5L0;Q9Y5L0-1	Transportin-3	TNPO3	CTSD/PBS	TNPO3	not considered/background			0
514	E7ERD7;Q9UKU0-1;Q9UKU0-6;Q9UKU	Long-chain-fatty-acid--CoA ligase 6	ACSL6	CTSD/PBS	ACSL6	not considered/background	-0,084379672	0,046205839	2
515	C9J8Q1;F8W9P7;Q9UMS0-2;H7C537;I	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	NFU1	CTSD/PBS	NFU1	not considered/background			0
516	C9J8R4;C9JVE2;Q96GG9;C9JRU6;C9JR	DCN1-like protein;DCN1-like protein 1;DCN1-like protein 2	DCUN1D1;DCUN1D2	CTSD/PBS	DCUN1D1	not considered/background	0,0528332		1
518	Q9GZY4;C9JA07;C9JG1	Cytochrome c oxidase assembly factor 1 homolog	COA1	CTSD/PBS	COA1	not considered/background			0
520	C9JAW5;Q9Y241;C9JNU6;A8MV81;Q9	HIG1 domain family member 1A, mitochondrial;HIG1 domain family member 1C	HIGD1A;HIGD1C	CTSD/PBS	HIGD1A	not considered/background		0,386374056	1
521	C9JBL4;P23416-2;P23416;P23416-3	Glycine receptor subunit alpha-2	GLRA2	CTSD/PBS	GLRA2	not considered/background	0,028003278	0,205031077	2
522	Q9NY47-4;Q9NY47-2;C9JE82;Q9NY47-	Voltage-dependent calcium channel subunit alpha-2/delta-2;Voltage-dependent calcium channe	CACNA2D2	CTSD/PBS	CACNA2D2	not considered/background	-0,084349081	0,111819816	2
525	C9JFR7;P99999	Cytochrome c	CYCS	CTSD/PBS	CYCS	not considered/background	0,168256923	0,025000879	2
526	O43426-4;O43426-2;C9JFZ1;O43426;	Synaptojanin-1	SYNJ1	CTSD/PBS	SYNJ1	not considered/background	-0,173937662	0,043868984	2
527	C9JG41;Q9NQX7-2;Q9NQX7;F5H4I5;E	Integral membrane protein 2C;CT-BRI3	ITM2C	CTSD/PBS	ITM2C	not considered/background	0,34619103	0,28781805	2
528	P13798;C9JIF9;H7C393;H7C1U0;C9JL	Acylamino-acid-releasing enzyme	APEH	CTSD/PBS	APEH	not considered/background	0,254714968	0,053733272	2
529	P07602;P07602-2;P07602-3;C9JIZ6;C	Prosaposin;Saposin-A;Saposin-B-Val;Saposin-B;Saposin-C;Saposin-D	PSAP	CTSD/PBS	PSAP	Other substrate	-0,017694521	0,18337572	2
530	P82930;C9JJ19	28S ribosomal protein S34, mitochondrial	MRPS34	CTSD/PBS	MRPS34	not considered/background	0,585443319	0,469429796	2
531	C9JJX6;O00192-2;E9PDC3;O00192	Armadillo repeat protein deleted in velo-cardio-facial syndrome	ARVCF	CTSD/PBS	ARVCF	not considered/background	-0,019711418	0,063982141	2
533	C9JKQ2;O43676	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3	NDUFB3	CTSD/PBS	NDUFB3	not considered/background		-0,525467563	1
534	C9JL85;P58546	Myotrophin	MTPN	CTSD/PBS	MTPN	not considered/background	-0,100159259		1
535	Q9Y4F1;Q9Y4F1-2;C9JME2;A0A1B0GV	FERM, RhoGEF and pleckstrin domain-containing protein 1	FARP1	CTSD/PBS	FARP1	not considered/background	-0,192678054	0,039251073	2
537	C9JXB8;C9JNW5;P83731	60S ribosomal protein L24	RPL24	CTSD/PBS	RPL24	not considered/background			0
538	C9JQ41;H7C525;Q4VC31	Coiled-coil domain-containing protein 58	CCDC58	CTSD/PBS	CCDC58	not considered/background			0
540	C9JRZ6;Q9NX63;F8WAR4;A0A286YEX	MICOS complex subunit MIC19	CHCHD3	CTSD/PBS	CHCHD3	not considered/background	0,208891775	0,297306999	2
542	Q9H9P8-2;C9JVN9;Q9H9P8;G3V5S1;G	L-2-hydroxyglutarate dehydrogenase, mitochondrial	L2HGDH	CTSD/PBS	L2HGDH	not considered/background	0,212133508	0,567104714	2
543	Q92823-3;Q92823-6;C9JYY6;Q92823-	Neuronal cell adhesion molecule	NRCAM	CTSD/PBS	NRCAM	not considered/background	-0,180266427	-0,062121712	2
544	Q9NUM4;C9JZ87;F2Z3N7	Transmembrane protein 106B	TMEM106B	CTSD/PBS	TMEM106B	not considered/background			0
545	C9JZB0;Q9BT40-2;Q9BT40;I3L2L1	Inositol polyphosphate 5-phosphatase K	INPP5K	CTSD/PBS	INPP5K	not considered/background	-0,023988373		1
546	F8VR50;C9JZD1;O15145	Actin-related protein 2/3 complex subunit 3	ARPC3	CTSD/PBS	ARPC3	not considered/background	-0,20904451	-0,115832299	2
549	Q70E73;C9KDJ5;Q70E73-5;C9J164;Q7	Ras-associated and pleckstrin homology domains-containing protein 1	RAPH1	CTSD/PBS	RAPH1	not considered/background			0
575	D3DPN2;O75056	Syndecan;Syndecan-3	SDC3	CTSD/PBS	SDC3	not considered/background	-0,1067776	0,154762882	2
576	F6U1T9;P63098;D3YTA9;H7BYZ3	Calcineurin subunit B type 1	PPP3R1	CTSD/PBS	PPP3R1	not considered/background			0

577	D3YTB1;P62910;F8W727	60S ribosomal protein L32	RPL32	CTSD/PBS	RPL32	not considered/background			0
578	Q13557-8;Q13557-12;Q13557-10;D6	Calcium/calmodulin-dependent protein kinase type II subunit delta	CAMK2D	CTSD/PBS	CAMK2D	not considered/background	0,071488106	-0,166458372	2
579	D6R9P3;D6RD18;Q99729-3;D6RBZ0;C	Heterogeneous nuclear ribonucleoprotein A/B	HNRNPAB	CTSD/PBS	HNRNPAB	not considered/background			0
580	Q96GZ6;Q96GZ6-6;Q96GZ6-2;Q96GZ6	Solute carrier family 41 member 3	SLC41A3	CTSD/PBS	SLC41A3	not considered/background	0,217851097		1
581	P57088;D6RAA6;H0Y8N0	Transmembrane protein 33	TMEM33	CTSD/PBS	TMEM33	not considered/background	-0,242874317	-0,123931008	2
583	D6RAN8;Q9P0M9;H7C5U8	39S ribosomal protein L27, mitochondrial	MRPL27	CTSD/PBS	MRPL27	not considered/background		0,508177681	1
584	Q9BT78;D6RAX7;Q9BT78-2;D6RFN0;D	COP9 signalosome complex subunit 4	COPS4	CTSD/PBS	COPS4	not considered/background	-0,131771557	-0,102456577	2
585	D6RB81;Q9UHK6;Q9UHK6-5	Alpha-methylacyl-CoA racemase	AMACR	CTSD/PBS	AMACR	not considered/background			0
587	P06730;P06730-3;D6RBW1;P06730-2	Eukaryotic translation initiation factor 4E	EIF4E	CTSD/PBS	EIF4E	not considered/background	-0,098969012	-0,462366483	2
588	D6RC71;D6RF48;Q9P2W9	Syntaxin-18	STX18	CTSD/PBS	STX18	not considered/background			0
589	D6RCA8;D6RFG5;P12429;D6RAZ8;D6I	Annexin;Annexin A3	ANXA3	CTSD/PBS	ANXA3	not considered/background			0
590	D6REA1;Q9H173;A0RZB6	Nucleotide exchange factor SIL1	SIL1	CTSD/PBS	SIL1	not considered/background		0,2804573	1
593	D6RER5;D6RGI3;Q9NVA2;Q9NVA2-2;D	Septin-11	SEPT11	CTSD/PBS	SEPT11	not considered/background	-0,185867988	-0,368935932	2
594	D6REX3;O94979-6;O94979-8;O94979	Protein transport protein Sec31A	SEC31A	CTSD/PBS	SEC31A	not considered/background		-0,116763971	1
596	D6RFW1;Q96EQ0	Small glutamine-rich tetratricopeptide repeat-containing protein beta	SGTB	CTSD/PBS	SGTB	not considered/background	-0,262763205	-0,065158675	2
597	D6RG13;P61247;D6RAT0;D6RB09;E9F	40S ribosomal protein S3a	RPS3A	CTSD/PBS	RPS3A	not considered/background	-0,31728289	0,239446899	2
598	D6RG15;Q6IBS0;H0Y858	Twinfilin-2	TWF2	CTSD/PBS	TWF2	not considered/background	-0,293535754	-0,275364696	2
600	P14406;D6RIE3;D6RGV5;H0UI06;D6R	Cytochrome c oxidase subunit 7A2, mitochondrial	COX7A2	CTSD/PBS	COX7A2	not considered/background			0
607	E5RFY9;Q9H425-2;Q9H425-3;Q9H425	Uncharacterized protein C1orf198	C1orf198	CTSD/PBS	C1orf198	not considered/background			0
610	E5RGX5;Q93045;Q93045-2	Stathmin;Stathmin-2	STMN2	CTSD/PBS	STMN2	not considered/background	-0,291097665	-0,045163352	2
611	E5RHG8;Q15369;Q15369-2;R4GMY8	Transcription elongation factor B polypeptide 1	TCEB1	CTSD/PBS	TCEB1	not considered/background	0,805457561	-0,18599337	2
612	E5RJB8;E5RHU3;E7ESK6;E9PBI9;P347	Syndecan;Syndecan-2	SDC2	CTSD/PBS	SDC2	not considered/background		-0,570074274	1
613	E5RI99;P62888;A0A0B4J213;A0A0C4	60S ribosomal protein L30	RPL30	CTSD/PBS	RPL30	not considered/background		0,135094792	1
614	E5RIW3;O75347;E5RJD8;E5RHG6;O75	Tubulin-specific chaperone A	TBCA	CTSD/PBS	TBCA	not considered/background	0,227371423	0,107741106	2
615	Q9P015;E5RIZ4;E5RHF4	39S ribosomal protein L15, mitochondrial	MRPL15	CTSD/PBS	MRPL15	not considered/background	0,094911647	0,661296059	2
616	P63208;E5RJR5;E7ERH2;F8W8N3;P63	S-phase kinase-associated protein 1	SKP1	CTSD/PBS	SKP1	not considered/background	0,008630305	-0,130271955	2
618	Q7L5N1;E7EM64;H7C3T0	COP9 signalosome complex subunit 6	COPS6	CTSD/PBS	COPS6	not considered/background	-0,284141764		1
619	E7EM83;Q92932-4;Q92932;Q92932-3	Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase N2	PTPRN2	CTSD/PBS	PTPRN2	not considered/background	-0,375889745		1
620	E9PB77;E7EMF1;E7ESP4;P17301;D6R	Integrin alpha-2	ITGA2	CTSD/PBS	ITGA2	not considered/background			0
621	Q14254;J3QLD9;E7EMK3;K7EKW9	Flotillin-2	FLOT2	CTSD/PBS	FLOT2	not considered/background		-0,026870865	1
622	E7EUW2;E7EN28;E7ETE3;E7EVD6;E7EV	Latrophilin-3	ADGRL3	CTSD/PBS	ADGRL3	not considered/background	-0,027263239	-0,192067884	2
623	J3KMY5;P61916;G3V3E8;E7EMS2;G3V	Epididymal secretory protein E1	NPC2	CTSD/PBS	NPC2	not considered/background	-0,141175524		1
625	E7EMZ9;O95359-3;E9PBC6;O95359;H	Transforming acidic coiled-coil-containing protein 2	TACC2	CTSD/PBS	TACC2	not considered/background		0,424571484	1
626	Q8IZA0-2;E7EN73;Q8IZA0;C9J519;Q8I	Dyslexia-associated protein KIAA0319-like protein	KIAA0319L	CTSD/PBS	KIAA0319L	not considered/background		0,070027257	1
627	E7ENV7;Q86YQ8;Q86YQ8-2;Q8IYJ1;Q9	Copine-8;Copine-9;Copine-5	CPNE8;CPNE9;CPNE5	CTSD/PBS	CPNE8	not considered/background			0
628	P35611-2;E7EV99;P35611-6;E7ENY0;F	Alpha-adducin	ADD1	CTSD/PBS	ADD1	not considered/background	0,003170443	-0,178236585	2
629	E7ES33;E7EPK1;Q16181-2;Q16181;G3	Septin-7	SEPT7	CTSD/PBS	SEPT7	not considered/background	-0,068301816	-0,240863823	2
630	E7EPM6;P33121-2;P33121-3;P33121;	Long-chain-fatty-acid--CoA ligase 1	ACSL1	CTSD/PBS	ACSL1	not considered/background		-0,029700234	1
631	P19404;E7EPT4	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUFV2	CTSD/PBS	NDUFV2	not considered/background	0,037311931		1
633	E7EQM8;P43146;H0Y2Q5;J3QS93;J3Q	Netrin receptor DCC	DCC	CTSD/PBS	DCC	not considered/background	0,337083076	0,208277598	2
634	P15311;E7EQR4	Ezrin	EZR	CTSD/PBS	EZR	not considered/background	-0,487055106	-0,875544181	2
635	Q96C01;E7EQY1;C9J2Y4;C9JF51	Protein FAM136A	FAM136A	CTSD/PBS	FAM136A	not considered/background			0
636	Q9UIA9;E7ESC6;E5RIW1;H0YBE1	Exportin-7	XPO7	CTSD/PBS	XPO7	not considered/background	0,003170443	0,301906012	2
637	H7BXG9;E7ESK9;Q9Y2G0;Q9Y2G0-2;Q	Protein EFR3 homolog B	EFR3B	CTSD/PBS	EFR3B	not considered/background	0,184089827	-0,024177814	2
638	Q9NWU5;E7ESL0;J3KQY1;Q9NWU5-2;	39S ribosomal protein L22, mitochondrial	MRPL22	CTSD/PBS	MRPL22	not considered/background	0,520145627		1
639	E7ESP9;P07197;E7EMV2;P07197-2	Neurofilament medium polypeptide	NEFM	CTSD/PBS	NEFM	not considered/background	-0,761555515	-0,811388823	2
640	Q6ZQQ6;Q6ZQQ6-2;E7ESW6	WD repeat-containing protein 87	WDR87	CTSD/PBS	WDR87	not considered/background			0
641	E7ETU9;O00469;O00469-2;O00469-3	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	CTSD/PBS	PLOD2	not considered/background	-1,155019875		1
642	E7ET24;Q9Y6E2;Q75MG1;B5MCH7;E9I	Basic leucine zipper and W2 domain-containing protein 2	BZW2	CTSD/PBS	BZW2	not considered/background	0,081339627	-0,023042393	2
643	E7EUN2;A0A087X1U1;F5GXM9;Q9UP(	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1	AGAP1	CTSD/PBS	AGAP1	not considered/background		-0,163112244	1
644	Q04637-9;E7EX73;Q04637-8;Q04637;	Eukaryotic translation initiation factor 4 gamma 1	EIF4G1	CTSD/PBS	EIF4G1	not considered/background	-0,305146545	0,162783333	2
645	E7EUY3;P05166;E9PDR0;P05166-2;E7	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	CTSD/PBS	PCCB	not considered/background	0,269870983	0,316348455	2
646	O15484;E7EV01;A0A3B3IRX8;E9PS73	Calpain-5	CAPN5	CTSD/PBS	CAPN5	not considered/background	-0,216887035	-0,165815488	2
647	P27816-6;P27816;E7EVA0;P27816-2;	Microtubule-associated protein 4;Microtubule-associated protein	MAP4	CTSD/PBS	MAP4	not considered/background	0,006477564	-0,33193447	2
648	Q96F07-2;E7EVJ5;Q96F07;H7C229;E7	Cytoplasmic FMR1-interacting protein 2	CYFIP2	CTSD/PBS	CYFIP2	not considered/background	-0,270138386	-0,009060468	2
649	P40145;E7EVL1;E5RFR2	Adenylate cyclase type 8	ADCY8	CTSD/PBS	ADCY8	not considered/background	0,168770384	0,092909365	2
650	P23588;E7EX17;P23588-2;F8VP89;F8	Eukaryotic translation initiation factor 4B	EIF4B	CTSD/PBS	EIF4B	not considered/background	0,227124934	-0,087870133	2
651	F8VZI2;F8W0W4;Q13765;H0YHX9;E9I	Nascent polypeptide-associated complex subunit alpha;Nascent polypeptide-associated complex	NACA	CTSD/PBS	NACA	not considered/background	-0,098644569	0,099339893	2
653	E9PB90;P52789;P52790	Hexokinase;Hexokinase-2	HK2	CTSD/PBS	HK2	not considered/background			0
655	E9PBG3;Q9NQ86-4;Q9NQ86	E3 ubiquitin-protein ligase TRIM36	TRIM36	CTSD/PBS	TRIM36	not considered/background			0
656	O94876-2;E9PC87;O94876;Q6N039;C	Transmembrane and coiled-coil domains protein 1	TMCC1	CTSD/PBS	TMCC1	not considered/background		0,072725499	1
658	E9PCG9;Q02338;H7C2W1;C9K0G7;C9	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	BDH1	CTSD/PBS	BDH1	not considered/background	-0,076310742	-0,182183769	2
659	Q02153-2;Q02153;E9PCN2;B7Z685;D	Guanylate cyclase soluble subunit beta-1	GUCY1B3	CTSD/PBS	GUCY1B3	not considered/background	-0,34431845	-0,111298453	2
661	E9PDF2;E9PCR7;Q02218-2;Q02218;AC	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	CTSD/PBS	OGDH	not considered/background	-0,016964457	0,211447917	2
662	H0YB39;E9PCY7;P31943;G8JLB6;H0Yt	Heterogeneous nuclear ribonucleoprotein H;Heterogeneous nuclear ribonucleoprotein H, N-terr	HNRNPH1;HNRNPF;HNRNPH2	CTSD/PBS	HNRNPH1	not considered/background		0,615552263	1
663	E9PDG8;O60641;O60641-4;O60641-3	Clathrin coat assembly protein AP180	SNAP91	CTSD/PBS	SNAP91	not considered/background	-0,214524776	0,072922759	2
664	E9PDI2;P40123;B7Z385;A0A087X0J3;	Adenylyl cyclase-associated protein;Adenylyl cyclase-associated protein 2	CAP2	CTSD/PBS	CAP2	not considered/background	-0,107228192		1
665	E9PE17;Q9Y2R5;I3L0E3	28S ribosomal protein S17, mitochondrial	MRPS17;hCG_1984214	CTSD/PBS	MRPS17	not considered/background	0,229218742		1
666	Q96AE4;Q96AE4-2;E9PEB5;C9JSZ1	Far upstream element-binding protein 1	FUBP1	CTSD/PBS	FUBP1	not considered/background	0,13553487	-0,164657575	2
667	E9PEP6;O14786;O14786-3;E7EK60;O1	Neuropilin-1	NRP1	CTSD/PBS	NRP1	not considered/background	0,047817548	0,158364958	2
668	O15530-2;E9PER6;O15530-3;O15530;	3-phosphoinositide-dependent protein kinase 1;Putative 3-phosphoinositide-dependent protein	PDPK1;PDPK2P	CTSD/PBS	PDPK1	not considered/background			0
669	E9PF19;Q9Y4P3;Q96E41;A0A087WXC	Transducin beta-like protein 2	TBL2	CTSD/PBS	TBL2	not considered/background	0,418999465	0,231108531	2
672	E9PFN5;Q9Y2Q3;Q9Y2Q3-4;Q9Y2Q3-3	Glutathione S-transferase kappa 1	GSTK1	CTSD/PBS	GSTK1	not considered/background	-0,091832703	0,020442874	2
673	Q14738-2;E9PFR3;Q14738;Q14738-3;	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform	PPP2R5D	CTSD/PBS	PPP2R5D	not considered/background	-0,242549984	-0,025170576	2
674	GSE9X5;F5GYT8;E9PG35;E9PHF7;Q96I	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	CTSD/PBS	MCCC1	not considered/background			0
675	E9PG40;P05067-11;P05067-8;P0506	Amyloid beta A4 protein;N-APP;Soluble APP-alpha;Soluble APP-beta;C99;Beta-amyloid protein 4	APP	CTSD/PBS	APP	Other substrate	0,10433666	0,056641237	2
677	P78559;P78559-2;E9PGC8	Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	MAP1A	CTSD/PBS	MAP1A	not considered/background	0,085424656	0,159540795	2
678	E9PGT1;Q15631;H7C1D4;Q15631-2;A	Translin	TSN	CTSD/PBS	TSN	not considered/background	-0,139267575	-0,150559677	2
679	Q99627-2;E9PGT6;Q99627;H7C3S9	COP9 signalosome complex subunit 8	COPS8	CTSD/PBS	COPS8	not considered/background		-0,064882852	1
680	E9PH64;Q9Y6M9;A0A3B3IT57;E7EWZ(	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	NDUFB9	CTSD/PBS	NDUFB9	not considered/background	-0,106156324	-0,218347209	2
682	Q03001-8;Q03001-14;E9PHM6;F6QM	Dystonin	DST	CTSD/PBS	DST	not considered/background			0
683	E9PLF1;E9PHN7;P28161-2;E9PHN6;P2	Glutathione S-transferase Mu 2;Glutathione S-transferase Mu 4;Glutathione S-transferase Mu 1	GSTM2;GSTM1;GSTM4	CTSD/PBS	GSTM2	not considered/background			0
684	O43813;E9PHS0;F8WDS9	LanC-like protein 1	LANCL1	CTSD/PBS	LANCL1	not considered/background			0
685	O43491-2;E9PII3;O43491-3;E9PK52;C	Band 4.1-like protein 2	EPB41L2	CTSD/PBS	EPB41L2	not considered/background			0
687	E9PN66;E9PKN9;E9PS55;E9PMW4;E9I	Tumor protein p53-inducible protein 11	TP53I11	CTSD/PBS	TP53I11	not considered/background	0,146785541	0,030383472	2
688	E9PIM6;P04216;E9PNQ8;J3QRJ3	Thy-1 membrane glycoprotein	THY1	CTSD/PBS	THY1	not considered/background	-0,27721924	-0,05630606	2
690	E9PJ81;E9PRQ7;Q04323;Q04323-2;AC	UBX domain-containing protein 1	UBXN1	CTSD/PBS	UBXN1	not considered/background	0,019773069		1
692	E9PJP2;Q5TF21;H3BRB8;J3QL92;Q9Y4	Protein SOGA3	SOGA3	CTSD/PBS	SOGA3	not considered/background	0,129744606	0,136220096	2
693	P29692;E9PK01;E9PRY8;E9PPR1;P29(	Elongation factor 1-delta	EEF1D	CTSD/PBS	EEF1D	not considered/background	-0,036881045	-0,09071796	2
695	Q99873-5;E9PKG1;Q99873-2;Q99873	Protein arginine N-methyltransferase 1	PRMT1	CTSD/PBS	PRMT1	not considered/background			0
696	E9PKV2;Q9NRX2	39S ribosomal protein L17, mitochondrial	MRPL17	CTSD/PBS	MRPL17	not considered/background			0
698	E9PKZ0;P62917;G3V1A1;E9PKU4;E9PI	60S ribosomal protein L8	RPL8	CTSD/PBS	RPL8	not considered/background	0,097206246	0,073120047	2
701	E9PLK3;P55786;P55786-2;A6NEC2;HC	Puromycin-sensitive aminopeptidase	NPEPPS	CTSD/PBS	NPEPPS	not considered/background	-0,32631695	-0,147567207	2
702	E9PLL6;P46776;E9PJD9;E9PLX7	60S ribosomal protein L27a	RPL27A	CTSD/PBS	RPL27A	not considered/background			0
703	E9PPJ5;P21741;E9PLM6;P21741-2	Midkine	MDK	CTSD/PBS	MDK	not considered/background	-0,181116725		1
704	Q9BQB6-3;I3L3B4;F8W9H0;Q9BQB6-2	Vitamin K epoxide reductase complex subunit 1	VKORC1	CTSD/PBS	VKORC1	not considered/background	-0,118210105		1
705	E9PM75;Q9NTG7;Q9NTG7-2;E9PK80;E	NAD-dependent protein deacetylase sirtuin-3, mitochondrial	SIRT3	CTSD/PBS	SIRT3	not considered/background	0,539828811	0,295552941	2
708	K4DIA7;E9PMR4;P48509;E9PRJ3	Tetraspanin;CD151 antigen	CD151	CTSD/PBS	CD151	not considered/background		-0,162596766	1
709	E9PMR6;Q9NZN5-2;Q9NZN5	Rho guanine nucleotide exchange factor 12	ARHGEF12	CTSD/PBS	ARHGEF12	not considered/background			0
710	Q16890-4;Q16890-3;Q16890-2;E9PNI	Tumor protein D53	TPD52L1	CTSD/PBS	TPD52L1	not considered/background	-0,622976229		1
712	E9PNW8;Q8WVX9	Fatty acyl-CoA reductase 1	FAR1	CTSD/PBS	FAR1	not considered/background			0
714	E9PPI2;Q8TDC3-3;Q8IWQ3-6;Q8IWQ3	Serine/threonine-protein kinase BRSK1;Serine/threonine-protein kinase BRSK2	BRSK2;BRSK1	CTSD/PBS	BRSK2	not considered/background			0
715	E9PPW7;O00217;E9PKH6;E9PN51;F8\	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	NDUFS8	CTSD/PBS	NDUFS8	not considered/background	0,281075049	0,128282494	2
716	P78406;E9PQ57;E9PPG9;B0QZ36	mRNA export factor	RAE1	CTSD/PBS	RAE1	not considered/background		-0,165815488	1
719	E9PQR7;Q9UK41;Q9UK41-2;E9PM90;I	Vacuolar protein sorting-associated protein 28 homolog	VPS28	CTSD/PBS	VPS28	not considered/background	0,139469495		1
722	Q9ULU8-4;Q9ULU8;F1T0E5;Q9ULU8-3	Calcium-dependent secretion activator 1	CADPS	CTSD/PBS	CADPS	not considered/background	-0,131898016	-0,205392513	2
723	P23468-3;Q3KPI9;P23468-7;P23468-!	Receptor-type tyrosine-protein phosphatase delta;Protein-tyrosine-phosphatase	PTPRD	CTSD/PBS	PTPRD	not considered/background			0
726	F5GX77;Q9UI30-2;Q9UI30;F5GYQ2	Multifunctional methyltransferase subunit TRM112-like protein	TRMT112	CTSD/PBS	TRMT112	not considered/background	0,376179232		1
727	F5GXX5;P61803;F5H895;A0A0B4J239	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1	DAD1	CTSD/PBS	DAD1	not considered/background			0
728	H0YG54;H0YGR4;Q9Y3B8-2;Q9Y3B8-3	Oligoribonuclease, mitochondrial	REXO2	CTSD/PBS	REXO2	not considered/background		-0,263875733	1
729	F5GYK2;Q9NRL3;Q9NRL3-3;M0R317;R	Striatin-4	STRN4	CTSD/PBS	STRN4	not considered/background			0
730	F5GYN4;Q96FW1;J3KR44;F5H6Q1;F5(	Ubiquitin thioesterase OTUB1	OTUB1	CTSD/PBS	OTUB1	not considered/background	-0,228249614	-0,422555956	2
731	P61421;F5GYQ1;R4GN72;J3QL14;H3B	V-type proton ATPase subunit d 1	ATP6V0D1	CTSD/PBS	ATP6V0D1	Lysosomal membrane proteins	-0,079127451	-0,102322191	2
732	Q6H8Q1-6;Q6H8Q1-8;Q6H8Q1-3;Q6H	Actin-binding LIM protein 2;Actin-binding LIM protein 3	ABLIM2;ABLIM3	CTSD/PBS	ABLIM2	not considered/background			0
733	F5GYX3;O75326-2;O75326	Semaphorin-7A	SEMA7A	CTSD/PBS	SEMA7A	not considered/background			0
736	P08195-2;P08195-3;F5GZS6;P08195;;	4F2 cell-surface antigen heavy chain	SLC3A2	CTSD/PBS	SLC3A2	not considered/background	-0,233430279	-0,115432826	2
737	P23763-2;F5GZV7;P23763-3;P23763	Vesicle-associated membrane protein 1	VAMP1	CTSD/PBS	VAMP1	not considered/background			0
738	Q9NQX3;Q9NQX3-2;F5H039;G3V582;I	Gephyrin;Molybdopterin adenylyltransferase;Molybdopterin molybdenumtransferase	GPHN	CTSD/PBS	GPHN	not considered/background	0,136453909	0,000750397	2
741	F5H1N7;Q6ZU35;A0A1B0GWF1;A0A2I	Uncharacterized protein KIAA1211	KIAA1211	CTSD/PBS	KIAA1211	not considered/background		0,18005393	1
742	F5H365;Q15436;Q15436-2;G3V4V1;G	Protein transport protein Sec23A	SEC23A	CTSD/PBS	SEC23A	not considered/background	0,149649582	0,307144342	2
743	Q13796;F5H3B6;C9IZC6	Protein Shroom2	SHROOM2	CTSD/PBS	SHROOM2	not considered/background			0
744	F5H442;Q99816;Q99816-2;J3QRU6;J:	Tumor susceptibility gene 101 protein	TSG101	CTSD/PBS	TSG101	not considered/background	-0,406235114		1
745	Q12849-5;H0Y8R1;F5H5I6;H0YAK1;Q1	G-rich sequence factor 1	GRSF1	CTSD/PBS	GRSF1	not considered/background			0
746	P12694;F5H5P2;F5GXU9;P12694-2	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial	BCKDHA	CTSD/PBS	BCKDHA	not considered/background			0
747	F5H6L7;Q9UPR5	Sodium/calcium exchanger 2	SLC8A2	CTSD/PBS	SLC8A2	not considered/background	0,022048165	0,108643033	2
749	F5H702;Q96GC5-3;Q96GC5;F5H8D0	39S ribosomal protein L48, mitochondrial	MRPL48	CTSD/PBS	MRPL48	not considered/background	0,745882689	-0,59062597	2
750	J3QS47;P49447;J3QRH5;J3KSL5;F5H7	Cytochrome b561	CYB561	CTSD/PBS	CYB561	not considered/background	0,463308566	0,53750787	2
752	Q9UBP4;F6SYF8;E9PHY3;E9PKW6;E9P	Dickkopf-related protein 3	DKK3	CTSD/PBS	DKK3	not considered/background	0,179765808		1
754	Q5SZR4;Q9Y2W6;F6TB26;Q9Y2W6-3;E	Tudor and KH domain-containing protein	TDRKH	CTSD/PBS	TDRKH	not considered/background			0
755	F6U236;Q9BY11	Protein kinase C and casein kinase substrate in neurons protein 1	PACSIN1	CTSD/PBS	PACSIN1	not considered/background	-0,200713715	-0,300299474	2
757	P43487-2;P43487;F6WQW2;C9JXG8;I	Ran-specific GTPase-activating protein	RANBP1	CTSD/PBS	RANBP1	not considered/background	0,275603079		1
759	F8VNQ3;Q9NT68-2;G3V106;Q9NT68	Teneurin-2;Ten-2, soluble form;Ten-2 intracellular domain	TENM2	CTSD/PBS	TENM2	not considered/background			0
760	F8VNT9;F8VV56;P08962-3;P08962-2;I	CD63 antigen;Tetraspanin	CD63	CTSD/PBS	CD63	not considered/background	-0,159685827	-0,152507948	2
761	F8VP53;F8VVW7;F8VVX6;Q5HYK3	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial	COQ5	CTSD/PBS	COQ5	not considered/background			0
764	F8VR84;Q9H807;F8VQQ3	UPF0160 protein MYG1, mitochondrial	C12orf10	CTSD/PBS	C12orf10	not considered/background			0
766	F8VUA6;Q07020-2;H0YHA7;Q07020;J:	60S ribosomal protein L18	RPL18	CTSD/PBS	RPL18	not considered/background	0,079156207	0,132119346	2
767	P61923;P61923-4;F8VVA7;F8VYK5;F8	Coatomer subunit zeta-1	COPZ1	CTSD/PBS	COPZ1	not considered/background			0
768	J3KNM6;Q99490;F8VVT9;Q99490-2	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2	AGAP2	CTSD/PBS	AGAP2	not considered/background			0
769	F8W1U7;F8VWH9;Q8N6T3-5;Q8N6T3;	ADP-ribosylation factor GTPase-activating protein 1	ARFGAP1	CTSD/PBS	ARFGAP1	not considered/background	-0,011282597		1
770	Q9UBQ0;Q9UBQ0-2;F8VXU5;Q05DG7	Vacuolar protein sorting-associated protein 29	VPS29	CTSD/PBS	VPS29	not considered/background	0,037171338	-0,209266193	2
772	F8VYY9;P54619-2;P54619;P54619-3;I	5-AMP-activated protein kinase subunit gamma-1	PRKAG1	CTSD/PBS	PRKAG1	not considered/background	-0,022170583		1

773	Q6P1Q0-7;Q6P1Q0;F8VZA2;Q6P1Q0-2	LETM1 domain-containing protein 1	LETMD1	CTSD/PBS	LETMD1	not considered/background	0,273575566	0,425268737	2
775	P54819-5;P54819-2;F8W1A4;P54819	Adenylate kinase 2, mitochondrial;Adenylate kinase 2, mitochondrial, N-terminally processed;Ad	AK2	CTSD/PBS	AK2	not considered/background			0
777	F8W6G1;Q9UHY1;C9JHZ6	Nuclear receptor-binding protein	NRBP1	CTSD/PBS	NRBP1	not considered/background		0,148224978	1
779	P09651-3;F8W6I7;P09651-2;P09651;	Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein A1, N-te	HNRNPA1;HNRNPA1L2	CTSD/PBS	HNRNPA1	not considered/background	0,241230036	0,140412041	2
780	Q14157-4;Q14157-1;Q14157-3;F8W7	Ubiquitin-associated protein 2-like	UBAP2L	CTSD/PBS	UBAP2L	not considered/background	-0,423874567		1
781	F8W776;Q9H9S3-2;Q9H9S3-3;Q9H9S	Protein transport protein Sec61 subunit alpha isoform 2	SEC61A2	CTSD/PBS	SEC61A2	not considered/background			0
782	Q96A26;F8W7Q4;E9PH05	Protein FAM162A	FAM162A	CTSD/PBS	FAM162A	not considered/background	0,002018361	0,024927485	2
783	F8W8D4;Q8TBC4-2;Q8TBC4;F8WF86	NEDD8-activating enzyme E1 catalytic subunit	UBA3	CTSD/PBS	UBA3	not considered/background	0,035483152		1
785	F8W9F9;H0Y7T5;Q9Y3S1-2;Q9Y3S1-4;	Serine/threonine-protein kinase WNK2	WNK2	CTSD/PBS	WNK2	not considered/background			0
786	F8W9U4;P27816-3	Microtubule-associated protein	MAP4	CTSD/PBS	MAP4	not considered/background	-0,022273139	-0,232169543	2
787	H0YST1;Q7Z460-2;Q7Z460-4;F8WA11	CLIP-associating protein 1	CLASP1	CTSD/PBS	CLASP1	not considered/background			0
788	F8WAD8;Q9P0K1-4;Q9P0K1-3;Q9P0K	Disintegrin and metalloproteinase domain-containing protein 22	ADAM22	CTSD/PBS	ADAM22	not considered/background		-0,207018226	1
789	F8WBF9;Q9UGV2-3;Q9UGV2-2;Q9UG\	Protein NDRG3	NDRG3	CTSD/PBS	NDRG3	not considered/background	-0,008058275	-0,078883047	2
790	J3QRU4;P63027;F8WCA0;L7N2F9;K7E	Vesicle-associated membrane protein 2	VAMP2	CTSD/PBS	VAMP2	not considered/background	0,119156942	-0,085696581	2
791	P59998;F8WCF6;F8WDD7;P59998-3;I	Actin-related protein 2/3 complex subunit 4	ARPC4;ARPC4-TTLL3	CTSD/PBS	ARPC4	not considered/background	-0,308001389	-0,273336847	2
795	F8WF69		CLTA	CTSD/PBS	CLTA	not considered/background	0,266036894	-0,012211084	2
796	Q13586-2;Q13586;G0XQ39;E9PRE4;E	Stromal interaction molecule 1	STIM1	CTSD/PBS	STIM1	not considered/background			0
798	P49821-2;G3V0I5;P49821;B4DE93;E9	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUFV1	CTSD/PBS	NDUFV1	not considered/background	-0,053673376	0	2
799	G3V164;P48058-2;P48058;E9PJZ5;E9	Glutamate receptor 4	GRIA4	CTSD/PBS	GRIA4	not considered/background		0,051264607	1
800	Q9NY33;G3V1D3;G3V180;Q9NY33-4;E	Dipeptidyl peptidase 3	DPP3	CTSD/PBS	DPP3	not considered/background	-0,069845534	-0,039699918	2
802	G3V1D8;Q50LG9	Leucine-rich repeat-containing protein 24	LRRC24	CTSD/PBS	LRRC24	not considered/background	0,299830762		1
803	G3V1P3;Q969J3	Loss of heterozygosity 12 chromosomal region 1 protein	LOH12CR1	CTSD/PBS	LOH12CR1	not considered/background		0,124770389	1
804	Q8WWV3-3;G3V1R2;Q8WWV3-2;Q8W	Reticulon-4-interacting protein 1, mitochondrial	RTN4IP1	CTSD/PBS	RTN4IP1	not considered/background	0,130271955		1
805	O75334;O75334-3;G3V200;O75334-4	Liprin-alpha-2	PPFIA2	CTSD/PBS	PPFIA2	not considered/background	-0,129165803	-0,02672925	2
807	G3V2S6;Q9Y5K8;H0YJH8;H0YJS0;G3V	V-type proton ATPase subunit D	ATP6V1D	CTSD/PBS	ATP6V1D	Lysosomal membrane proteins	-0,004913521	-0,136716384	2
808	P07311;G3V2U7	Acylphosphatase-1;Acylphosphatase	ACYP1	CTSD/PBS	ACYP1	not considered/background		-0,280006078	1
809	G3V325;P56134-4;C9JJT5;P56134-2;(	ATP synthase subunit f, mitochondrial	ATP5J2-PTCD1;ATP5J2	CTSD/PBS	ATP5J2-PTCD1	not considered/background	0,18142064	0,142273738	2
811	G3V4I0;O75356;G3V450;H0YJH1;REV	Ectonucleoside triphosphate diphosphohydrolase 5	ENTPD5	CTSD/PBS	ENTPD5	not considered/background	0,688135588		1
812	P60983;G3V4P8;M0QYG8;M0R1D2;M	Glia maturation factor beta	GMFB	CTSD/PBS	GMFB	not considered/background			0
813	G3V583;Q8N128;Q8N128-2	Protein FAM177A1	FAM177A1	CTSD/PBS	FAM177A1	not considered/background		-0,088684372	1
814	Q96PC5-11;Q96PC5-5;Q96PC5-8;Q96I	Melanoma inhibitory activity protein 2;cTAGE family member 2	MIA2;CTAGE1	CTSD/PBS	MIA2	not considered/background			0
815	P60900;G3V5Z7;G3V295;P60900-2;G	Proteasome subunit alpha type-6;Proteasome subunit alpha type	PSMA6	CTSD/PBS	PSMA6	not considered/background	0,122076304	-0,112766845	2
816	G3XAI2;P07942;E7EPA6	Laminin subunit beta-1	LAMB1	CTSD/PBS	LAMB1	not considered/background			0
819	G5E968;P10645	Chromogranin-A;Vasostatin-1;Vasostatin-2;EA-92;ES-43;Pancreastatin;SS-18;WA-8;WE-14;LF-19;	CHGA	CTSD/PBS	CHGA	not considered/background			0
820	P42167-2;G5E972;P42167;P42167-3;	Lamina-associated polypeptide 2, isoforms beta/gamma;Thymopoietin;Thymopentin;Lamina-ass	TMPO	CTSD/PBS	TMPO	not considered/background		-0,313129735	1
821	G5E9G7;Q9P2S2;Q9P2S2-2;P58401;H	Neurexin-2	NRXN2	CTSD/PBS	NRXN2	not considered/background	-0,197384895	-0,09328973	2
822	G5E9S8;Q07866-8;F8W6L3;E7EVH7;Q	Kinesin light chain 1	KLC1	CTSD/PBS	KLC1	not considered/background	-0,26091232	-0,124592825	2
823	G5E9W7;G5E9V5;P82650;H7C5L9;H7	28S ribosomal protein S22, mitochondrial	MRPS22	CTSD/PBS	MRPS22	not considered/background	0,478505927	0,377781804	2
824	G5E9Z2;Q96KA5-2;Q96KA5	Cleft lip and palate transmembrane protein 1-like protein	CLPTM1L	CTSD/PBS	CLPTM1L	not considered/background			0
825	G5EA06;Q92552;Q92552-2;D6RH20;D	28S ribosomal protein S27, mitochondrial	MRPS27	CTSD/PBS	MRPS27	not considered/background	0,402613043	0,302332919	2
826	P53992;G5EA31;P53992-2	Protein transport protein Sec24C	SEC24C	CTSD/PBS	SEC24C	not considered/background	-0,133653784	0,125242372	2
827	G5EA48;Q7Z6B7-2;Q7Z6B7	SLIT-ROBO Rho GTPase-activating protein 1	SRGAP1	CTSD/PBS	SRGAP1	not considered/background			0
828	Q13332-7;G8JL96;Q13332-5;Q13332	Receptor-type tyrosine-protein phosphatase S;Protein-tyrosine-phosphatase	PTPRS	CTSD/PBS	PTPRS	not considered/background	0,030689204	0,088132046	2
829	Q8IUD2-4;X6RM00;Q8IUD2-2;G8JLD3	ELKS/Rab6-interacting/CAST family member 1	ERC1	CTSD/PBS	ERC1	not considered/background	-0,351037638	-0,028427705	2
831	P16070;P16070-13;P16070-5;P1607(	CD44 antigen	CD44	CTSD/PBS	CD44	not considered/background	-0,645389868	-0,498557248	2
832	H0Y2X7;Q9UHI5-2;Q9UHI5-4;Q9UHI5;	Large neutral amino acids transporter small subunit 2	SLC7A8	CTSD/PBS	SLC7A8	not considered/background		-0,366028399	1
833	H0Y2Y8;Q15942;Q15942-2;H7C3D3;C	Zyxin	ZYX	CTSD/PBS	ZYX	not considered/background	0,168513676	0,001053552	2
834	O60762;Q5QPK2;H0Y368;Q5QPJ9	Dolichol-phosphate mannosyltransferase subunit 1	DPM1	CTSD/PBS	DPM1	not considered/background	-0,123103951	0,002787092	2
835	H0Y3A8;O75129-2;O75129-3;O75129	Astrotactin-2	ASTN2	CTSD/PBS	ASTN2	not considered/background			0
836	H0Y3D0;Q5QPI9;H0Y5X0;Q5QPI7;Q5C	Ectonucleoside triphosphate diphosphohydrolase 6	ENTPD6	CTSD/PBS	ENTPD6	not considered/background			0
837	H0Y3H2;Q99758	ATP-binding cassette sub-family A member 3	ABCA3	CTSD/PBS	ABCA3	not considered/background			0
838	P67809;H0Y449;C9J5V9;A0A0D9SEI8;	Nuclease-sensitive element-binding protein 1	YBX1	CTSD/PBS	YBX1	not considered/background	0,011352507	-0,180529813	2
839	H0Y4R1;P12268;E7ETK5;C9K0R9;P20	Inosine-5-monophosphate dehydrogenase 2	IMPDH2	CTSD/PBS	IMPDH2	not considered/background	0,291249913		1
840	H0Y870;H0Y861;Q8TDQ4;Q5SSC2;Q9	Transmembrane protein 222	TMEM222	CTSD/PBS	TMEM222	not considered/background	0,110897723	-0,208766947	2
841	O43674;H0Y886;O43674-2;E7EWP0;H	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial	NDUFB5	CTSD/PBS	NDUFB5	not considered/background	0,417487999	-0,003602237	2
842	Q96J42-2;H0Y997;Q96J42;D6RBD9;D	Thioredoxin domain-containing protein 15	TXNDC15	CTSD/PBS	TXNDC15	not considered/background			0
843	H0Y9B0;H0YA18;Q9NUQ7	Ufm1-specific protease 2	UFSP2	CTSD/PBS	UFSP2	not considered/background			0
847	H0YBX3;P52758;H0YB34	Ribonuclease UK114	HRSP12	CTSD/PBS	HRSP12	not considered/background	0,004033901		1
851	Q9NPA0;H0YDT8;H0YDX2	ER membrane protein complex subunit 7	EMC7	CTSD/PBS	EMC7	not considered/background			0
852	P53041;H0YDU8;A8MU39	Serine/threonine-protein phosphatase 5;Serine/threonine-protein phosphatase	PPP5C	CTSD/PBS	PPP5C	not considered/background	-0,015520018	-0,269751322	2
854	H0YE25;H0YF25;Q8NB37;Q8NB37-2;H	Parkinson disease 7 domain-containing protein 1	PDDC1	CTSD/PBS	PDDC1	not considered/background			0
856	H0YEN5;P15880;I3L404;E9PM36;E9PI	40S ribosomal protein S2	RPS2	CTSD/PBS	RPS2	not considered/background	0,027578727		1
857	H0YF06;Q9GZT6-3;Q9GZT6-2;Q9GZT6	Coiled-coil domain-containing protein 90B, mitochondrial	CCDC90B	CTSD/PBS	CCDC90B	not considered/background			0
859	P40939;H0YFD6;A0A2R8Y4F5;A0A2R8	Trifunctional enzyme subunit alpha, mitochondrial;Long-chain enoyl-CoA hydratase;Long chain :	HADHA	CTSD/PBS	HADHA	not considered/background	0,028710586	-0,098284796	2
862	H0YIA8;O14910;H0YI92;J3KN23	Protein lin-7 homolog A	LIN7A	CTSD/PBS	LIN7A	not considered/background			0
864	Q13362-2;Q13362-3;Q13362;Q13362	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform	PPP2R5C	CTSD/PBS	PPP2R5C	not considered/background			0
866	S4R329;H0YK61;H0YNK0;H0YNK8;H0Y	ER membrane protein complex subunit 4	EMC4	CTSD/PBS	EMC4	not considered/background		0,240690742	1
867	P46779;P46779-2;P46779-3;H0YKD8;	60S ribosomal protein L28	RPL28	CTSD/PBS	RPL28	not considered/background	0,27727066		1
869	H0YL22;Q9Y375;H0YNN4;H0YNB7	Complex I intermediate-associated protein 30, mitochondrial	NDUFAF1	CTSD/PBS	NDUFAF1	not considered/background	0,537544572		1
870	H0YL99;P82912-2;P82912;P82912-3	28S ribosomal protein S11, mitochondrial	MRPS11	CTSD/PBS	MRPS11	not considered/background	0,419538892	0,54837477	2
872	H0YLE8;P46940;A0A0J9YX25	Ras GTPase-activating-like protein IQGAP1	IQGAP1	CTSD/PBS	IQGAP1	not considered/background			0
873	Q8TDJ6;Q8TDJ6-3;H0YLM8;Q8TDJ6-2;	DmX-like protein 2	DMXL2	CTSD/PBS	DMXL2	not considered/background			0
874	H0YMF9;H0YN81;Q9GZS3;H0YM76;H3	WD repeat-containing protein 61;WD repeat-containing protein 61, N-terminally processed	WDR61	CTSD/PBS	WDR61	not considered/background			0
875	Q71UM5;P42677;H0YMV8;C9J1C5;C9	40S ribosomal protein S27-like;40S ribosomal protein S27	RPS27L;RPS27	CTSD/PBS	RPS27L	not considered/background	0,545573056	-0,337768171	2
876	H0YN18;P25789;P25789-2;H0YM21;H	Proteasome subunit alpha type-4;Proteasome subunit alpha type;Proteasome subunit beta type	PSMA4	CTSD/PBS	PSMA4	not considered/background	0,09328973	0,093355645	2
877	H0YNG3;P67812-4;P67812;P67812-3	Signal peptidase complex catalytic subunit SEC11;Signal peptidase complex catalytic subunit SEC	SEC11A	CTSD/PBS	SEC11A	not considered/background	0,215119425	0,111523644	2
879	Q13449;H3BLU2;F5H5G1;C9J5G3	Limbic system-associated membrane protein	LSAMP	CTSD/PBS	LSAMP	not considered/background	0,202386375	0,206695047	2
880	H3BLU7;O43488;H7C5H7;A0A499FJT(	Aflatoxin B1 aldehyde reductase member 2	AKR7A2	CTSD/PBS	AKR7A2	not considered/background	0,225398337	0,022375703	2
881	H3BLW6;Q5T3F8;Q5T3F8-2;Q5T3F8-3;	CSC1-like protein 2	TMEM63B	CTSD/PBS	TMEM63B	not considered/background	0,310689118	0,323209055	2
882	Q9H2V7-3;Q9H2V7-2;Q9H2V7;H3BMF	Protein spinster homolog 1	SPNS1	CTSD/PBS	SPNS1	not considered/background			0
883	H3BNA7;H3BMU3;O60268-3;O60268;	Uncharacterized protein KIAA0513	KIAA0513	CTSD/PBS	KIAA0513	not considered/background		-0,236217064	1
884	H3BMU8;Q8NCC3;B4DJW4;H3BPT3;H	Group XV phospholipase A2	PLA2G15	CTSD/PBS	PLA2G15	not considered/background		0,049621174	1
886	H3BQZ6;H3BRH9;H3BN78;Q9BSW7;H	Synaptotagmin-17	SYT17	CTSD/PBS	SYT17	not considered/background			0
887	H3BPJ2;Q15041-2;Q15041;H3BN98;C	ADP-ribosylation factor-like protein 6-interacting protein 1	ARL6IP1	CTSD/PBS	ARL6IP1	not considered/background			0
888	P08708;H3BNC9	40S ribosomal protein S17	RPS17	CTSD/PBS	RPS17	not considered/background	0,496002086	-0,062121712	2
889	H3BNK2;O43325	LYR motif-containing protein 1	LYRM1	CTSD/PBS	LYRM1	not considered/background			0
890	H3BPW3;O75208-2;H3BVA5;H3BPC6;	Ubiquinone biosynthesis protein COQ9, mitochondrial	COQ9	CTSD/PBS	COQ9	not considered/background	0,444136957		1
891	P20674;H3BNX8;H3BRI0;H3BRM5;H3	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	CTSD/PBS	COX5A	not considered/background	0,53465928	0,180691513	2
892	H3BS10;P06865;H3BP20;H3BU85;H3	Beta-hexosaminidase;Beta-hexosaminidase subunit alpha	HEXA	CTSD/PBS	HEXA	not considered/background	-0,049262855	0,047487506	2
893	H3BPE1;H3BQK9;Q9UPN3-4;Q9UPN3-	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5	MACF1	CTSD/PBS	MACF1	not considered/background			0
894	P35637-2;P35637;H3BPE7;A0A075B7	RNA-binding protein FUS;TATA-binding protein-associated factor 2N	FUS;TAF15	CTSD/PBS	FUS	not considered/background	-0,541429009	0,194691033	2
896	H3BR29;H3BSM7;Q96GQ5;I3L2V0;Q9	RUS1 family protein C16orf58	C16orf58	CTSD/PBS	C16orf58	not considered/background	0,482332021	0,244856042	2
897	H3BR35;P15170;P15170-2;P15170-3;	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A;Eukaryotic peptide chain rele	GSPT1;GSPT2	CTSD/PBS	GSPT1	not considered/background	-0,309663367		1
898	H3BRD2;P55789;H3BRW3;P55789-2;I	Sulfhydryl oxidase;FAD-linked sulfhydryl oxidase ALR	GFER	CTSD/PBS	GFER	not considered/background			0
899	O14562;H3BRL3;H3BUM8	Ubiquitin domain-containing protein UBFD1	UBFD1	CTSD/PBS	UBFD1	not considered/background			0
900	P80404;H3BRN4;H3BNQ7;H3BMJ9;H3	4-aminobutyrate aminotransferase, mitochondrial	ABAT	CTSD/PBS	ABAT	not considered/background	0,074505436	-0,133300476	2
902	H3BS89;A0A087X1B3	Transmembrane protein 178B	TMEM178B	CTSD/PBS	TMEM178B	not considered/background	0,094911647	-0,093154488	2
903	H3BSQ5;H3BUE3;H3BSK9;Q8WWM7-2	Ataxin-2-like protein	ATXN2L	CTSD/PBS	ATXN2L	not considered/background			0
905	H3BTB7;Q5JPH6;Q5JPH6-2	Probable glutamate--tRNA ligase, mitochondrial	EARS2	CTSD/PBS	EARS2	not considered/background			0
906	O14662-6;O14662-2;O14662-4;O146	Syntaxin-16	STX16;STX16-NPEPL1	CTSD/PBS	STX16	not considered/background			0
908	H3BUW8;Q86WA8;E7EN44;Q86WA8-2	Lon protease homolog 2, peroxisomal	LONP2	CTSD/PBS	LONP2	not considered/background	0,133826527		1
909	H3BUX2;O43169;D6RFH4;J3QR91	Cytochrome b5 type B	CYB5B	CTSD/PBS	CYB5B	not considered/background	-0,025984716	0,297643881	2
910	H3BV85;Q9H3K6-2;Q9H3K6;H3BPT9;H	BolA-like protein 2	BOLA2B;BOLA2	CTSD/PBS	BOLA2B	not considered/background			0
911	H3BV90;Q6FI81;H3BQ23;H3BUG4;H3I	Anamorsin	CIAPIN1	CTSD/PBS	CIAPIN1	not considered/background	-0,172652468	-0,308011315	2
913	H7BY57;O94856-4;O94856-12;O9485	Neurofascin	NFASC	CTSD/PBS	NFASC	not considered/background	-0,234770798	-0,052972275	2
915	Q9H2H8;H7BZ14;B8ZZ77;Q9H2H8-2;C	Peptidyl-prolyl cis-trans isomerase-like 3;Peptidyl-prolyl cis-trans isomerase	PPIL3	CTSD/PBS	PPIL3	not considered/background		-0,401412025	1
916	H7BZ81;Q6NUM9-2;Q6NUM9;H7BZ16	All-trans-retinol 13,14-reductase	RETSAT	CTSD/PBS	RETSAT	not considered/background			0
919	H7C1U8;Q9BUR5-2;Q9BUR5;A0A0J9Y\	Apolipoprotein O	APOO	CTSD/PBS	APOO	not considered/background	-0,20826093	0,300554974	2
922	H7C3G9;Q9UJ70;Q9UJ70-2;C9JEV6;H7	N-acetyl-D-glucosamine kinase	NAGK	CTSD/PBS	NAGK	not considered/background	-0,207777657	-0,124592825	2
923	Q14831-5;Q14831-3;Q14831-4;H7C3I	Metabotropic glutamate receptor 7	GRM7	CTSD/PBS	GRM7	not considered/background	-0,291256545	0,493012226	2
924	H7C488;Q9NQ48-3;Q9NQ48-2;Q9NQ4	Leucine zipper transcription factor-like protein 1	LZTFL1	CTSD/PBS	LZTFL1	not considered/background			0
925	H7C4E5;Q14061;Q9J8T6	Cytochrome c oxidase copper chaperone	COX17	CTSD/PBS	COX17	not considered/background			0
926	H7C5A7;O14734;A0A494C0N6;E9PJN	Acyl-coenzyme A thioesterase 8	ACOT8	CTSD/PBS	ACOT8	not considered/background		0,387713562	1
927	H9KV31;O15394;O15394-2;Q9BXU1-3	Neural cell adhesion molecule 2	NCAM2	CTSD/PBS	NCAM2	not considered/background	-0,193255261	0,018921862	2
929	P12814;P12814-4;P12814-3;H9KV75;	Alpha-actinin-1	ACTN1	CTSD/PBS	ACTN1	not considered/background	-0,77675046	-0,404249185	2
931	Q9H1U9;Q3SY17;I3L0B8	Solute carrier family 25 member 51;Solute carrier family 25 member 52	SLC25A51;SLC25A52	CTSD/PBS	SLC25A51	not considered/background			0
932	I3L0N3;P46459;P46459-2;I3L2G1;K7I	Vesicle-fusing ATPase	NSF	CTSD/PBS	NSF	not considered/background	-0,135094792	-0,189539944	2
935	J3KSI4;I3L1D2;I3L4E0;J3QS48;I3L295;	Mannose-P-dolichol utilization defect 1 protein	MPDU1	CTSD/PBS	MPDU1	not considered/background			0
936	I3L1R7;Q99447;Q99447-3;I3L3V9;Q9	Ethanolamine-phosphate cytidylyltransferase	PCYT2	CTSD/PBS	PCYT2	not considered/background	-0,211949131		1
937	I3L397;P63241;P63241-2;I3L504;F8V	Eukaryotic translation initiation factor 5A;Eukaryotic translation initiation factor 5A-1;Eukaryoti	EIF5A;EIF5A2;EIF5AL1	CTSD/PBS	EIF5A	not considered/background	0,158595552	-0,351176003	2
938	I3L4C2;Q9UQB8-2;Q9UQB8-4;Q9UQB8	Brain-specific angiogenesis inhibitor 1-associated protein 2	BAIAP2	CTSD/PBS	BAIAP2	not considered/background	0,176067406	0,000735962	2
939	I3L4J1;Q9UN37;O75351;Q6PIW4-2;Q	Vacuolar protein sorting-associated protein 4A;Vacuolar protein sorting-associated protein 4B	VPS4A;VPS4B	CTSD/PBS	VPS4A	not considered/background	-0,096684019	-0,060739158	2
940	J3KMX5;P62277	40S ribosomal protein S13	RPS13	CTSD/PBS	RPS13	not considered/background		-0,515207819	1
941	P55196-2;P55196-6;Q5TIG5;P55196-	Afadin	MLLT4	CTSD/PBS	MLLT4	not considered/background	-0,03889532	-0,077653186	2
942	Q5JPE7-2;P69849;Q5JPE7;J3KN36;Q5	Nodal modulator 2;Nodal modulator 3	NOMO2;NOMO3	CTSD/PBS	NOMO2	not considered/background			0
945	Q9UPW5-2;Q9UPW5;Q9UPW5-3;J3KN	Cytosolic carboxypeptidase 1	AGTPBP1	CTSD/PBS	AGTPBP1	not considered/background			0
946	J3QL05;J3KP15;Q01130-2;Q01130;Q5	Serine/arginine-rich splicing factor 2;Serine/arginine-rich splicing factor 8	SRSF2;SRSF8	CTSD/PBS	SRSF2	not considered/background			0
947	J3KP26;Q86W74;Q86W74-1;E5RHV2;	Ankyrin repeat domain-containing protein 46	ANKRD46	CTSD/PBS	ANKRD46	not considered/background			0
948	J3KPS8;P30622-2;P30622-1;P30622;J	CAP-Gly domain-containing linker protein 1	CLIP1	CTSD/PBS	CLIP1	not considered/background			0
950	Q96G97-4;J3KQ12;E9PIU3;H7BXM1;E	Seipin	BSCL2	CTSD/PBS	BSCL2	not considered/background	-0,018658772	0,345931137	2
951	Q9NTK5;J3KQ32;Q9NTK5-2;Q9NTK5-3	Obg-like ATPase 1	OLA1	CTSD/PBS	OLA1	not considered/background	-0,122758327	-0,203514411	2
952	J3KQ34;Q9H9Q2;Q9H9Q2-2;J3QT73;A	COP9 signalosome complex subunit 7b	COPS7B	CTSD/PBS	COPS7B	not considered/background			0
953	Q9Y3E5;J3KQ48	Peptidyl-tRNA hydrolase 2, mitochondrial	PTRH2	CTSD/PBS	PTRH2	not considered/background		0,119290969	1
954	J3KQA0;P21579;Q8N9I0;F8VYH8;F8V2	Synaptotagmin-1	SYT1	CTSD/PBS	SYT1	not considered/background	-0,228689079	-0,146785541	2
955	J3KQL8;Q9BQE5;E9PM95	Apolipoprotein L2	APOL2	CTSD/PBS	APOL2	not considered/background	0,279768422		1
956	Q9Y4F5-3;Q9Y4F5-2;Q9Y4F5;J3KQR7	Centrosomal protein of 170 kDa protein B	CEP170B	CTSD/PBS	CEP170B	not considered/background			0
957	J3KR97;Q9BTW9;Q9BTW9-4;Q9BTW9-	Tubulin-specific chaperone D	TBCD	CTSD/PBS	TBCD	not considered/background	-0,146020316	-0,359071312	2
958	J3QKW5;J3QLE6;J3KRI5;X6R3Y6;P552	Cadherin-8	CDH8	CTSD/PBS	CDH8	not considered/background	-0,509614711		1
959	J3KRZ9;Q9H3Q1;J3QQS6;Q9H3Q1-2	Cdc42 effector protein 4	CDC42EP4	CTSD/PBS	CDC42EP4	not considered/background			0
960	Q14197;J3KS15;J3QRF8	Peptidyl-tRNA hydrolase ICT1, mitochondrial	ICT1	CTSD/PBS	ICT1	not considered/background		0,467633164	1
961	J3KS22;Q7Z4W1;J3QS36;J3KRZ4;J3QL	L-xylulose reductase	DCXR	CTSD/PBS	DCXR	not considered/background	0,234623941	0,191705571	2

963	J3KSY6;Q8TCD5;J3KSX6;J3KRC4	5(3)-deoxyribonucleotidase, cytosolic type	NT5C	CTSD/PBS	NT5C	not considered/background			0
964	J3QR09;J3KTE4;P84098	Ribosomal protein L19;60S ribosomal protein L19	RPL19	CTSD/PBS	RPL19	not considered/background	0,113033665	-0,10755397	2
965	Q07955;J3KTL2;J3KSR8;Q07955-3;Q0	Serine/arginine-rich splicing factor 1	SRSF1	CTSD/PBS	SRSF1	not considered/background		-0,047957107	1
967	Q9Y2R9;J3QLS3;J3QQS1;J3KSI8;J3QK	28S ribosomal protein S7, mitochondrial	MRPS7	CTSD/PBS	MRPS7	not considered/background		0,190042332	1
972	P19105;O14950;J3QRS3;P24844-2;P2	Myosin regulatory light chain 12A;Myosin regulatory light chain 12B;Myosin regulatory light pol	MYL12A;MYL12B;MYL9	CTSD/PBS	MYL12A	not considered/background		0,032639538	1
975	Q9BRQ6;J3QTA6;J3QTB2;H0Y922	MICOS complex subunit MIC25	CHCHD6	CTSD/PBS	CHCHD6	not considered/background	0,199499604	0,331880875	2
976	K7EID2;Q9BT22-2;Q9BT22	Chitobiosyldiphosphodolichol beta-mannosyltransferase	ALG1	CTSD/PBS	ALG1	not considered/background		-0,39330636	1
978	K7EIP4;Q16787-4;A0A0A0MTS5;Q167	Laminin subunit alpha-3	LAMA3	CTSD/PBS	LAMA3	not considered/background			0
980	K7EJE8;K7EKE6;P36776-2;P36776;P3	Lon protease homolog, mitochondrial	LONP1	CTSD/PBS	LONP1	not considered/background	0,238664592	0,474572529	2
981	K7EK00;Q96ND0;K7EPG9;K7ERQ2	Protein FAM210A	FAM210A	CTSD/PBS	FAM210A	not considered/background			0
982	K7EQ77;K7EK78;Q86Y39;K7EP35;K7EI	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11	NDUFA11	CTSD/PBS	NDUFA11	not considered/background	0,282973489		1
983	K7EKI0;Q92817;A8MZ36	Envoplakin;Envoplakin-like protein	EVPL;EVPLL	CTSD/PBS	EVPL	not considered/background			0
985	K7EKV4;Q9BRG1	Vacuolar protein-sorting-associated protein 25	VPS25	CTSD/PBS	VPS25	not considered/background			0
987	P14314-2;P14314;K7ELL7;K7EPW7;A0	Glucosidase 2 subunit beta	PRKCSH	CTSD/PBS	PRKCSH	not considered/background	0,125122061	-0,005759269	2
988	K7ELQ0;Q9BYD3-2;K7ES61;Q9BYD3;X6	39S ribosomal protein L4, mitochondrial	MRPL4	CTSD/PBS	MRPL4	not considered/background		0,217474011	1
989	K7EM09;K7EPR0;K7ELQ9;Q6UW68	Transmembrane protein 205	TMEM205	CTSD/PBS	TMEM205	not considered/background		-0,240863823	1
990	O43291-2;K7EM91;O43291;K7ES27;K	Kunitz-type protease inhibitor 2	SPINT2	CTSD/PBS	SPINT2	not considered/background	0,422233001		1
992	K7EN20;Q9NZL4;Q9NZL4-3;K7EL16;Q9	Hsp70-binding protein 1	HSPBP1	CTSD/PBS	HSPBP1	not considered/background			0
993	K7ENI6;K7ER61;Q8N2U0	Transmembrane protein 256	TMEM256	CTSD/PBS	TMEM256	not considered/background			0
995	K7EPB2;P10644-2;P10644;K7EM13;K	cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protein kinase	PRKAR1A	CTSD/PBS	PRKAR1A	not considered/background	0,058939855	-0,192572941	2
997	K7ER15;Q9H0R4;K7EMY7;Q9H0R4-2;K	Haloacid dehalogenase-like hydrolase domain-containing protein 2	HDHD2	CTSD/PBS	HDHD2	not considered/background	0,251688799		1
998	Q06136;K7ERC8;Q06136-2	3-ketodihydrosphingosine reductase	KDSR	CTSD/PBS	KDSR	not considered/background	0,055334502		1
1002	Q8N2G8-2;K7ESN3;Q8N2G8-3;Q8N2G	GH3 domain-containing protein	GHDC	CTSD/PBS	GHDC	not considered/background			0
1003	Q8WVC6;K7ESP4;Q8WVC6-2	Dephospho-CoA kinase domain-containing protein	DCAKD	CTSD/PBS	DCAKD	not considered/background	-0,028130928		1
1004	L0R6Q1		SLC35A4	CTSD/PBS	SLC35A4	not considered/background		0,348169894	1
1005	Q9NP81;M0QWZ7;M0R2C6;Q9NP81-2	Serine--tRNA ligase, mitochondrial	SARS2	CTSD/PBS	SARS2	not considered/background	0,310805431	0,555863043	2
1006	O95571;M0QXB5;M0QY80;M0QX80	Persulfide dioxygenase ETHE1, mitochondrial	ETHE1	CTSD/PBS	ETHE1	not considered/background	0,480782124	0,391644923	2
1007	M0R0G9;M0QXK2;M0R221;M0R2B8;M	U1 small nuclear ribonucleoprotein A;U2 small nuclear ribonucleoprotein B	SNRPA;SNRPB2	CTSD/PBS	SNRPA	not considered/background			0
1009	Q6NVV1;Q8J015;P40429;M0QYS1	Putative 60S ribosomal protein L13a protein RPL13AP3;60S ribosomal protein L13a	RPL13AP3;RPL13a;RPL13A	CTSD/PBS	RPL13AP3	not considered/background			0
1010	P53680-2;P53680;M0R0N4;X6R390;M	AP-2 complex subunit sigma	AP2S1	CTSD/PBS	AP2S1	not considered/background			0
1011	M0QZ02;Q96AN5;M0R1H7	Transmembrane protein 143	TMEM143	CTSD/PBS	TMEM143	not considered/background			0
1012	Q96CP6-2;Q96CP6-3;Q96CP6;M0QZ1	GRAM domain-containing protein 1A	GRAMD1A	CTSD/PBS	GRAMD1A	not considered/background			0
1013	Q9Y4J8;Q9Y4J8-5;Q9Y4J8-15;Q9Y4J8-	Dystrobrevin alpha;Dystrobrevin;Dystrobrevin beta	DTNA;DTNB	CTSD/PBS	DTNA	not considered/background			0
1014	M0QZK8;O75223;O75223-3;H7BZK5;E	Gamma-glutamylcyclotransferase	GGCT	CTSD/PBS	GGCT	not considered/background		0,309109161	1
1015	M0R0F0;P46782;M0R0R2;M0QZN2	40S ribosomal protein S5;40S ribosomal protein S5, N-terminally processed	RPS5	CTSD/PBS	RPS5	not considered/background	0,063364879		1
1016	M0R0P7;M0R3D6;M0R1A7;M0R117;C	60S ribosomal protein L18a	RPL18A	CTSD/PBS	RPL18A	not considered/background			0
1017	Q9UBC2-3;M0R165;Q9UBC2;Q9UBC2-	Epidermal growth factor receptor substrate 15-like 1	EPS15L1	CTSD/PBS	EPS15L1	not considered/background	-0,173872561	0,275454497	2
1018	M0R192;P30043;A0A2R8Y7Y9;M0QZL	Flavin reductase (NADPH)	BLVRB	CTSD/PBS	BLVRB	not considered/background			0
1020	Q16740;M0R208;A0A2R8YEF5	ATP-dependent Clp protease proteolytic subunit, mitochondrial;ATP-dependent Clp protease prc	CLPP	CTSD/PBS	CLPP	not considered/background		0,196260464	1
1021	M0R210;P62249;M0R3H0;M0QX76;M	40S ribosomal protein S16	RPS16	CTSD/PBS	RPS16	not considered/background			0
1022	O00116;A0A1B0GWA2;A0A2R8YEL0;B	Alkyldihydroxyacetonephosphate synthase, peroxisomal	AGPS	CTSD/PBS	AGPS	not considered/background	0,167100969	0,195979493	2
1023	Q13838-2;Q13838;O00148;Q5STU3;A	Spliceosome RNA helicase DDX39B;ATP-dependent RNA helicase DDX39A	DDX39B;DDX39A	CTSD/PBS	DDX39B	not considered/background			0
1024	O00154-4;O00154-6;O00154-7;O001	Cytosolic acyl coenzyme A thioester hydrolase	ACOT7	CTSD/PBS	ACOT7	not considered/background	-0,07729977	-0,033933911	2
1025	O00165-5;O00165;O00165-2;O00165	HCLS1-associated protein X-1	HAX1	CTSD/PBS	HAX1	not considered/background			0
1026	O00178	GTP-binding protein 1	GTPBP1	CTSD/PBS	GTPBP1	not considered/background	-0,084012617		1
1027	O00186	Syntaxin-binding protein 3	STXBP3	CTSD/PBS	STXBP3	not considered/background			0
1028	O00222-2;O00222;E7ETK3;A0A0A0MT	Metabotropic glutamate receptor 8	GRM8	CTSD/PBS	GRM8	not considered/background			0
1029	O00231;O00231-2;J3QRY4;J3QS13	26S proteasome non-ATPase regulatory subunit 11	PSMD11	CTSD/PBS	PSMD11	not considered/background	-0,324364699	0,194476401	2
1030	O00232;O00232-2	26S proteasome non-ATPase regulatory subunit 12	PSMD12	CTSD/PBS	PSMD12	not considered/background	0,085560625		1
1031	O00258-2;O00258;H7BYE5;H7C384;B	Tail-anchored protein insertion receptor WRB	WRB	CTSD/PBS	WRB	not considered/background	0,40152125		1
1032	O00264;O00264-2;U3KQM0	Membrane-associated progesterone receptor component 1	PGRMC1	CTSD/PBS	PGRMC1	not considered/background	0,289480386	0,208944455	2
1034	O00299	Chloride intracellular channel protein 1	CLIC1	CTSD/PBS	CLIC1	not considered/background	0,07231164	0,162089043	2
1035	O00330-3;O00330;H0YD97;O00330-2	Pyruvate dehydrogenase protein X component, mitochondrial	PDHX	CTSD/PBS	PDHX	not considered/background	0,272859292	0,273744232	2
1036	O00410;O00410-3;H0Y8C6;O00410-2	Importin-5	IPO5	CTSD/PBS	IPO5	not considered/background	-0,062339229	-0,001586092	2
1038	O00429-6;O00429;O00429-3;O00429	Dynamin-1-like protein	DNM1L	CTSD/PBS	DNM1L	not considered/background	-0,389488908	-0,406210109	2
1040	O00442-2;O00442;A6NIC1	RNA 3-terminal phosphate cyclase	RTCA	CTSD/PBS	RTCA	not considered/background	-0,077132348		1
1041	O00445;O00445-2;K7EJS7;K7EJC4;K7I	Synaptotagmin-5	SYT5	CTSD/PBS	SYT5	not considered/background		0,329413427	1
1042	O00451-3;O00451;O00451-2;E5RGR6	GDNF family receptor alpha-2	GFRA2	CTSD/PBS	GFRA2	not considered/background			0
1043	O00483	Cytochrome c oxidase subunit NDUFA4	NDUFA4	CTSD/PBS	NDUFA4	not considered/background	-0,023211134	-0,212258044	2
1044	O00487	26S proteasome non-ATPase regulatory subunit 14	PSMD14	CTSD/PBS	PSMD14	not considered/background	-0,004421415	-0,034638318	2
1045	O00499-3;O00499-5;O00499;O00499	Myc box-dependent-interacting protein 1	BIN1	CTSD/PBS	BIN1	not considered/background	-0,109031969	-0,103128316	2
1046	O00505;H0Y4S9	Importin subunit alpha-4	KPNA3	CTSD/PBS	KPNA3	not considered/background	-0,038924963	-0,439357178	2
1047	O00519	Fatty-acid amide hydrolase 1	FAAH	CTSD/PBS	FAAH	not considered/background	-0,12024719	-0,222680931	2
1048	O00534;O00534-3;O00534-2;B4DHS6	von Willebrand factor A domain-containing protein 5A	VWA5A	CTSD/PBS	VWA5A	not considered/background	-0,186409642	-0,212880566	2
1049	O00560-3;O00560;B4DHN5;E9PBU7;C	Syntenin-1	SDCBP	CTSD/PBS	SDCBP	not considered/background	-0,407497515		1
1050	O00562-2;O00562	Membrane-associated phosphatidylinositol transfer protein 1	PITPNM1	CTSD/PBS	PITPNM1	not considered/background	0,012640181		1
1051	O00592-2;O00592	Podocalyxin	PODXL	CTSD/PBS	PODXL	not considered/background			0
1053	O00743-2;O00743;O00743-3;Q5T1S7	Serine/threonine-protein phosphatase 6 catalytic subunit;Serine/threonine-protein phosphatase	PPP6C	CTSD/PBS	PPP6C	not considered/background			0
1054	O00754-2;O00754	Lysosomal alpha-mannosidase;Lysosomal alpha-mannosidase A peptide;Lysosomal alpha-manno	MAN2B1	CTSD/PBS	MAN2B1	not considered/background			0
1055	O00764;F2Z2Y4;O00764-3;O00764-2;	Pyridoxal kinase	PDXK	CTSD/PBS	PDXK	not considered/background	-0,011209898	-0,163241085	2
1056	O14494;O14494-2	Lipid phosphate phosphohydrolase 1	PPAP2A	CTSD/PBS	PPAP2A	not considered/background	-2,203302581		1
1057	O14523-2;O14523;E9PK05	C2 domain-containing protein 2-like	C2CD2L	CTSD/PBS	C2CD2L	not considered/background	-0,067273588	0,494068432	2
1058	O14531;Q5T0Q6	Dihydropyrimidinase-related protein 4	DPYSL4	CTSD/PBS	DPYSL4	not considered/background	-0,137155876	-0,120086471	2
1059	O14545;F8VNX8	TRAF-type zinc finger domain-containing protein 1	TRAFD1	CTSD/PBS	TRAFD1	not considered/background		-0,418459838	1
1060	O14548;E5RJZ1;H0YBD2	Cytochrome c oxidase subunit 7A-related protein, mitochondrial	COX7A2L	CTSD/PBS	COX7A2L	not considered/background		-0,205892928	1
1061	O14561;I3L505;H3BNK3	Acyl carrier protein, mitochondrial;Acyl carrier protein	NDUFAB1	CTSD/PBS	NDUFAB1	not considered/background			0
1062	O14576-3;O14576-5;O14576-2;O145	Cytoplasmic dynein 1 intermediate chain 1	DYNC1I1	CTSD/PBS	DYNC1I1	not considered/background	-0,277271691	-0,029276182	2
1063	O14672;O14672-2	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	CTSD/PBS	ADAM10	not considered/background			0
1064	O14737;O14737-2;Q3HM38;X6R2P6;P	Programmed cell death protein 5	PDCD5	CTSD/PBS	PDCD5	not considered/background			0
1065	O14744;O14744-5;O14744-2;O14744	Protein arginine N-methyltransferase 5;Protein arginine N-methyltransferase 5, N-terminally pro	PRMT5	CTSD/PBS	PRMT5	not considered/background		-0,236217064	1
1066	O14775-3;O14775-2;O14775;H0YNW	Guanine nucleotide-binding protein subunit beta-5	GNB5	CTSD/PBS	GNB5	not considered/background	-0,146978451	-0,282143229	2
1067	O14787-2;O14787;A0A075B780;K7EN	Transportin-2	TNPO2	CTSD/PBS	TNPO2	not considered/background	-0,028763641	0,077802152	2
1068	O14807;C9J8Q6;O14807-2	Ras-related protein M-Ras	MRAS	CTSD/PBS	MRAS	not considered/background	0,281549893	0,001111303	2
1069	O14818;O14818-2;H0YS86;O14818-4	Proteasome subunit alpha type-7	PSMA7	CTSD/PBS	PSMA7	not considered/background	-0,073894282	0,225784334	2
1070	O14828;O14828-2	Secretory carrier-associated membrane protein 3	SCAMP3	CTSD/PBS	SCAMP3	not considered/background	0,047398789	-0,19093086	2
1071	O14874-2;O14874-3;O14874;H3BUV3	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial	BCKDK	CTSD/PBS	BCKDK	not considered/background			0
1072	Q5VV89;O14880;Q5VV87	Microsomal glutathione S-transferase 3	MGST3	CTSD/PBS	MGST3	not considered/background	0,042784398	-0,03562391	2
1073	O14917;O14917-2;A0A087WXV2	Protocadherin-17	PCDH17	CTSD/PBS	PCDH17	not considered/background	0,095586908	-0,036890111	2
1074	O14925;Q5SRD1-2;Q5SRD1	Mitochondrial import inner membrane translocase subunit Tim23	TIMM23	CTSD/PBS	TIMM23	not considered/background	0,091395186		1
1075	O14949	Cytochrome b-c1 complex subunit 8	UQCRQ	CTSD/PBS	UQCRQ	not considered/background	0,213751646	-0,017494379	2
1076	O14964-2;O14964;I3L1P5;I3L1E3;I3L	Hepatocyte growth factor-regulated tyrosine kinase substrate	HGS	CTSD/PBS	HGS	not considered/background	0,025879273	-0,119953718	2
1077	O14967;O14967-2	Calmegin	CLGN	CTSD/PBS	CLGN	not considered/background		-0,814591438	1
1078	O14980;C9J673;C9JKM9;C9IZS4;C9JQ	Exportin-1	XPO1	CTSD/PBS	XPO1	not considered/background	0,095451881	-0,067363367	2
1079	O14994;A0A0A0MR68;A0A087WTG8	Synapsin-3	SYN3	CTSD/PBS	SYN3	not considered/background	0,121678557	-0,246225649	2
1081	O15031;A6QRG9;A0A087WU36;E2PU	Plexin-B2	PLXNB2	CTSD/PBS	PLXNB2	not considered/background	-0,211698502	-0,193834811	2
1082	O15066-2;O15066;F8WAR6;F8WER6;I	Kinesin-like protein KIF3B;Kinesin-like protein KIF3B, N-terminally processed;Kinesin-like protein	KIF3B;KIF3C	CTSD/PBS	KIF3B	not considered/background			0
1083	O15069	NAC-alpha domain-containing protein 1	NACAD	CTSD/PBS	NACAD	not considered/background	-0,066019537	0,309341544	2
1084	O15075;O15075-2;Q5VZY9;O15075-4	Serine/threonine-protein kinase DCLK1	DCLK1	CTSD/PBS	DCLK1	not considered/background	-0,3667083	-0,306962124	2
1085	O15085;O15085-2	Rho guanine nucleotide exchange factor 11	ARHGEF11	CTSD/PBS	ARHGEF11	not considered/background			0
1086	O15126;A0A087WXB0;O15126-2;A0A	Secretory carrier-associated membrane protein 1	SCAMP1	CTSD/PBS	SCAMP1	not considered/background	0,048096653	-0,087598618	2
1087	O15144;C9JTV5;G5E9J0;H7C3F9;G5E5	Actin-related protein 2/3 complex subunit 2	ARPC2	CTSD/PBS	ARPC2	not considered/background	-0,453636426	-0,034638318	2
1088	O15173;O15173-2	Membrane-associated progesterone receptor component 2	PGRMC2	CTSD/PBS	PGRMC2	not considered/background	0,166715445	0,125163697	2
1089	O15212;A2AB88	Prefoldin subunit 6	PFDN6	CTSD/PBS	PFDN6	not considered/background			0
1090	O15217;O15217-2;Q5JW88	Glutathione S-transferase A4	GSTA4	CTSD/PBS	GSTA4	not considered/background		-0,275126274	1
1091	O15228-2;O15228;Q5TBH6;Q5TBH8	Dihydroxyacetone phosphate acyltransferase	GNPAT	CTSD/PBS	GNPAT	not considered/background			0
1093	O15235	28S ribosomal protein S12, mitochondrial	MRPS12	CTSD/PBS	MRPS12	not considered/background	0,324810603	0,152756698	2
1094	O15240;Q05BJ3	Neurosecretory protein VGF;Neuroendocrine regulatory peptide-1;Neuroendocrine regulatory p	VGF	CTSD/PBS	VGF	not considered/background	0,289952472	0,226729423	2
1095	O15258;Q5T092;A0A0A0MR06;Q5T09	Protein RER1	RER1	CTSD/PBS	RER1	not considered/background	-0,009262921	-0,268673925	2
1096	O15260-2;Q5T8U5;O15260;O15260-3	Surfeit locus protein 4	SURF4	CTSD/PBS	SURF4	not considered/background	0,03801469	-0,169155359	2
1098	O15400-2;O15400	Syntaxin-7	STX7	CTSD/PBS	STX7	not considered/background	0,138159145	0,068725418	2
1099	O15427;J3QQV2;J3QSC3;J3QQS9;J3QI	Monocarboxylate transporter 4	SLC16A3	CTSD/PBS	SLC16A3	not considered/background	0,012926174	0,11196013	2
1100	O15460-2;O15460;C9JCP0;C9JX45;A8	Prolyl 4-hydroxylase subunit alpha-2	P4HA2	CTSD/PBS	P4HA2	not considered/background			0
1101	O15498;O15498-2;H7C3K7	Synaptobrevin homolog YKT6	YKT6	CTSD/PBS	YKT6	not considered/background	-0,036851444	-0,15885403	2
1102	O15511;B1ALC0;O15511-2	Actin-related protein 2/3 complex subunit 5	ARPC5	CTSD/PBS	ARPC5	not considered/background	-0,678325842	-0,179128829	2
1103	O15540;O15540-2	Fatty acid-binding protein, brain	FABP7	CTSD/PBS	FABP7	not considered/background	-1,052446047	-0,688762244	2
1104	O43157;O43157-2;O43157-3	Plexin-B1	PLXNB1	CTSD/PBS	PLXNB1	not considered/background	-0,252243111		1
1105	O43237;O43237-2;J3KRI4;J3KRZ2;B4I	Cytoplasmic dynein 1 light intermediate chain 2	DYNC1LI2	CTSD/PBS	DYNC1LI2	not considered/background	0,138028045	-0,073820233	2
1106	O43242;O43242-2	26S proteasome non-ATPase regulatory subunit 3	PSMD3	CTSD/PBS	PSMD3	not considered/background	-0,039325199	0,131660914	2
1107	O43246;C9JM63	Cationic amino acid transporter 4	SLC7A4	CTSD/PBS	SLC7A4	not considered/background		-0,547449829	1
1108	O43264;O43264-2;F5H3C1	Centromere/kinetochore protein zw10 homolog	ZW10	CTSD/PBS	ZW10	not considered/background	-0,452787102		1
1109	O43292-2;O43292;E9PQ31;E9PLV6;E9	Glycosylphosphatidylinositol anchor attachment 1 protein	GPAA1	CTSD/PBS	GPAA1	not considered/background	0,261951979	0,23825518	2
1110	O43295-2;O43295;O43295-3;A0A087	SLIT-ROBO Rho GTPase-activating protein 3	SRGAP3	CTSD/PBS	SRGAP3	not considered/background	-1,044925309	-0,070251922	2
1111	O43396;K7ER96;K7EML9;K7EKG2;K7E	Thioredoxin-like protein 1	TXNL1	CTSD/PBS	TXNL1	not considered/background	-0,172359799	-0,183581791	2
1113	O43427-2;O43427;H0YCE7;E9PJW6;E	Acidic fibroblast growth factor intracellular-binding protein	FIBP	CTSD/PBS	FIBP	not considered/background			0
1114	O43464;O43464-2;A0A0C4DG44;O43	Serine protease HTRA2, mitochondrial	HTRA2	CTSD/PBS	HTRA2	not considered/background	0,233029057		1
1115	O43505	Beta-1,4-glucuronyltransferase 1	B4GAT1	CTSD/PBS	B4GAT1	not considered/background	0,219214996	-0,098150021	2
1116	O43581-5;O43581-3;O43581-2;O435	Synaptotagmin-7	SYT7	CTSD/PBS	SYT7	not considered/background	-0,118711274	-0,002882509	2
1117	O43583;F8VVL1	Density-regulated protein	DENR	CTSD/PBS	DENR	not considered/background	0,062259894	0,062459746	2
1118	O43615;M0QXU7;M0QXM9;M0R301;I	Mitochondrial import inner membrane translocase subunit TIM44	TIMM44	CTSD/PBS	TIMM44	not considered/background	0,220825216	0,280597488	2
1119	O43678;O43678-2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	NDUFA2	CTSD/PBS	NDUFA2	not considered/background	0,23155529	-0,119820952	2
1120	O43681	ATPase ASNA1	ASNA1	CTSD/PBS	ASNA1	not considered/background	0,008773707	0,13466709	2
1121	O43707;O43707-2;O43707-3;F5GXS2	Alpha-actinin-4	ACTN4	CTSD/PBS	ACTN4	not considered/background	-0,402664297	-0,194465332	2
1122	O43747;O43747-2;H3BNR4;H3BR36;H	AP-1 complex subunit gamma-1	AP1G1	CTSD/PBS	AP1G1	not considered/background	-0,096483482	-0,109293689	2
1123	O43760;O43760-2;K7ELD9;K7ENG9;K	Synaptogyrin-2	SYNGR2	CTSD/PBS	SYNGR2	not considered/background			0
1124	O43761;Q96L30;H3BNA6	Synaptogyrin-3	SYNGR3	CTSD/PBS	SYNGR3	not considered/background	-0,06087876	-0,248777694	2
1125	O43765;K7EMD6;K7ERW5	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	SGTA	CTSD/PBS	SGTA	not considered/background	0,21400043	0,105380106	2
1126	O43772;C9JPE1;F8WEF6	Mitochondrial carnitine/acylcarnitine carrier protein	SLC25A20	CTSD/PBS	SLC25A20	not considered/background	0,170053235		1
1127	O43776;K7EIU7;K7EPK2;O43776-2;K7	Asparagine--tRNA ligase, cytoplasmic	NARS	CTSD/PBS	NARS	not considered/background	0,116364757	-0,248413392	2
1128	O43819;A0A1W2PQK0	Protein SCO2 homolog, mitochondrial	SCO2	CTSD/PBS	SCO2	not considered/background		0,023137832	1
1129	O43852;O43852-3;O43852-2;O43852	Calumenin	CALU	CTSD/PBS	CALU	not considered/background	0,002594517	-0,006764782	2
1130	O43854-2;O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	CTSD/PBS	EDIL3	not considered/background	0,121148056	0,002396864	2

1131	O43865;O43865-2	Putative adenosylhomocysteinase 2	AHCYL1	CTSD/PBS	AHCYL1	not considered/background	-0,087794699	0,035386967	2
1132	O43920	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5	NDUFS5	CTSD/PBS	NDUFS5	not considered/background	0,031959741	-0,08011186	2
1133	O60245;O60245-2	Protocadherin-7	PCDH7	CTSD/PBS	PCDH7	not considered/background	-0,305324807	0,125777473	2
1134	O60256;O60256-3;E7EPA1;O60256-4;	Phosphoribosyl pyrophosphate synthase-associated protein 2	PRPSAP2	CTSD/PBS	PRPSAP2	not considered/background	-0,177261695	0,240077206	2
1135	O60282;A0A0G2JMZ6;O60282-2;C9JV	Kinesin heavy chain isoform 5C	KIF5C	CTSD/PBS	KIF5C	not considered/background	-0,208077601	-0,076695902	2
1136	O60313-2;O60313-10;O60313;O6031	Dynamin-like 120 kDa protein, mitochondrial;Dynamin-like 120 kDa protein, form S1	OPA1	CTSD/PBS	OPA1	not considered/background	0,153935011	0,276922053	2
1137	O60331-4;O60331;O60331-2;O60331	Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma	PIP5K1C	CTSD/PBS	PIP5K1C	not considered/background	-0,127494283		1
1138	O60443;C9JSR4;O60443-2;O60443-3	Non-syndromic hearing impairment protein 5	DFNA5	CTSD/PBS	DFNA5	not considered/background			0
1139	O60462-3;O60462-4;O60462-5;O604	Neuropilin-2	NRP2	CTSD/PBS	NRP2	not considered/background	-0,222010158	-0,132379425	2
1140	O60477-3;O60477	BMP/retinoic acid-inducible neural-specific protein 1	BRINP1	CTSD/PBS	BRINP1	not considered/background		0,533519923	1
1141	O60486;B4DHQ7;F5H3A2;F8VUW4;H	Plexin-C1	PLXNC1	CTSD/PBS	PLXNC1	not considered/background	0,171206827	0,018132737	2
1142	O60488-2;O60488;D6RF95;H0Y9A0;D	Long-chain-fatty-acid--CoA ligase 4	ACSL4	CTSD/PBS	ACSL4	not considered/background	0,023326332	-0,033370138	2
1143	O60493;O60493-2;O60493-4;O60493	Sorting nexin-3	SNX3	CTSD/PBS	SNX3	not considered/background	-0,144727843	-0,202637126	2
1144	O60502;O60502-4;O60502-2;O60502	Protein O-GlcNAcase	MGEA5	CTSD/PBS	MGEA5	not considered/background	-0,323804819	-0,181675061	2
1145	O60506-4;O60506-3;O60506-2;O605	Heterogeneous nuclear ribonucleoprotein Q	SYNCRIP	CTSD/PBS	SYNCRIP	not considered/background	-0,006869129	-0,209266193	2
1146	O60518;A0A096LPA6;A0A096LNS2	Ran-binding protein 6	RANBP6	CTSD/PBS	RANBP6	not considered/background			0
1147	O60568;H7C2S8;H7C0B8;H7C2V1	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	PLOD3	CTSD/PBS	PLOD3	not considered/background		0,116879718	1
1148	O60637-3;O60637;H0YKJ9;O60637-2;	Tetraspanin-3	TSPAN3	CTSD/PBS	TSPAN3	not considered/background	-0,179857808	-0,230203013	2
1149	O60664-2;O60664-4;O60664-3;O606	Perilipin-3	PLIN3	CTSD/PBS	PLIN3	not considered/background	-0,677587241	-0,296897858	2
1150	O60684;Q5TFJ7;O15131;P52294;S4R	Importin subunit alpha-7;Importin subunit alpha-6;Importin subunit alpha-5;Importin subunit a	KPNA6;KPNA5;KPNA1	CTSD/PBS	KPNA6	not considered/background	0,017494379		1
1151	O60749;O60749-2;D6RC15	Sorting nexin-2	SNX2	CTSD/PBS	SNX2	Transport machinery	0,432852537	0,141366457	2
1152	O60763;O60763-2	General vesicular transport factor p115	USO1	CTSD/PBS	USO1	not considered/background	-0,350559284	-0,246712101	2
1154	O60784-3;O60784;O60784-4;O60784	Target of Myb protein 1	TOM1	CTSD/PBS	TOM1	not considered/background	-0,182835204	0,309717011	2
1155	Q99880;Q99879;Q99877;Q93079;Q5	Histone H2B type 1-L;Histone H2B type 1-M;Histone H2B type 1-N;Histone H2B type 1-H;Histone	HIST1H2BL;HIST1H2BM;HIST1H2	CTSD/PBS	HIST1H2BL	not considered/background	-0,299791132	-0,291603558	2
1156	O60831;A6NP52;A6NM71	PRA1 family protein 2	PRAF2	CTSD/PBS	PRAF2	not considered/background	0,249991368	0,101319535	2
1157	O60884;I3L320;A0A087WT48	DnaJ homolog subfamily A member 2	DNAJA2	CTSD/PBS	DNAJA2	not considered/background	-0,143404657		1
1158	O60925;E5RGS4;D6RGG5	Prefoldin subunit 1	PFDN1	CTSD/PBS	PFDN1	not considered/background	0,079156207	-0,060877473	2
1159	O75037-3;O75037-4;O75037-2;O750	Kinesin-like protein KIF21B	KIF21B	CTSD/PBS	KIF21B	not considered/background	-0,223744379		1
1160	O75051;O75051-2	Plexin-A2	PLXNA2	CTSD/PBS	PLXNA2	not considered/background			0
1161	O75054;O75054-2	Immunoglobulin superfamily member 3	IGSF3	CTSD/PBS	IGSF3	not considered/background	0,133432007	0,099061723	2
1162	O75061-4;O75061;O75061-2;O75061	Putative tyrosine-protein phosphatase auxilin	DNAJC6	CTSD/PBS	DNAJC6	not considered/background	-0,124188489	-0,055195654	2
1163	O75083;O75083-3;D6RD66	WD repeat-containing protein 1	WDR1	CTSD/PBS	WDR1	not considered/background	-0,188167313	-0,187261005	2
1164	Q5T0V2;Q5T0V4;O75093-2;Q5T0V0;O	Slit homolog 1 protein	SLIT1	CTSD/PBS	SLIT1	not considered/background			0
1165	O75110;A0A0A0MR22;O75110-2;O43	Probable phospholipid-transporting ATPase IIA;Phospholipid-transporting ATPase	ATP9A	CTSD/PBS	ATP9A	not considered/background	0,009203827	0,171823394	2
1166	O75145-2;O75145;R4GN36;R4GNF1;I	Liprin-alpha-3	PPFIA3	CTSD/PBS	PPFIA3	not considered/background	-0,007797159	-0,034638318	2
1168	O75157-2;O75157;A0A087X0H8;Q15	TSC22 domain family protein 2;TSC22 domain family protein 1;TSC22 domain family protein 4	TSC22D2;TSC22D1;TSC22D4	CTSD/PBS	TSC22D2	not considered/background			0
1169	O75165	DnaJ homolog subfamily C member 13	DNAJC13	CTSD/PBS	DNAJC13	not considered/background			0
1171	O75306-2;O75306	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUFS2	CTSD/PBS	NDUFS2	not considered/background	0,405338916	0,129891782	2
1172	O75323;O75323-2;F8WBI5;H7C333;C	Protein NipSnap homolog 2	GBAS	CTSD/PBS	GBAS	not considered/background	0,09017595	0,244804756	2
1173	O75348	V-type proton ATPase subunit G 1	ATP6V1G1	CTSD/PBS	ATP6V1G1	not considered/background			0
1174	O75368	SH3 domain-binding glutamic acid-rich-like protein	SH3BGRL	CTSD/PBS	SH3BGRL	not considered/background	0,139338514	0,1332898	2
1175	O75380;D6RBT3	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial	NDUFS6	CTSD/PBS	NDUFS6	not considered/background		-2,841570637	1
1176	O75381-2;O75381	Peroxisomal membrane protein PEX14	PEX14	CTSD/PBS	PEX14	not considered/background			0
1178	O75396;A0A087X1A9	Vesicle-trafficking protein SEC22b	SEC22B	CTSD/PBS	SEC22B	not considered/background	-0,012955692	-0,108357178	2
1179	O75431-2;O75431;C9JNK6;C9JAZ1	Metaxin-2	MTX2	CTSD/PBS	MTX2	not considered/background	0,021621858	0,545045051	2
1180	O75436;S4R3Q6;O75436-2	Vacuolar protein sorting-associated protein 26A	VPS26A	CTSD/PBS	VPS26A	not considered/background	0,153027043		1
1182	O75439;G3V0E4;F8WAZ6;F8WEA6;F8	Mitochondrial-processing peptidase subunit beta	PMPCB	CTSD/PBS	PMPCB	not considered/background	0,492006976	0,167701359	2
1183	O75477;B0QZ43	Erlin-1	ERLIN1	CTSD/PBS	ERLIN1	not considered/background			0
1184	O75487;O75487-2	Glypican-4;Secreted glypican-4	GPC4	CTSD/PBS	GPC4	not considered/background			0
1185	O75489;O75489-2;E9PS48;G3V194;E	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUFS3	CTSD/PBS	NDUFS3	not considered/background	0,183708817	0,203369024	2
1186	O75534-2;O75534;O75534-3;O75534	Cold shock domain-containing protein E1	CSDE1	CTSD/PBS	CSDE1	not considered/background	-0,06422346	-0,479954832	2
1187	O75569-3;O75569-2;O75569;F8WEG	Interferon-inducible double-stranded RNA-dependent protein kinase activator A	PRKRA	CTSD/PBS	PRKRA	not considered/background	0,220329955	-0,170694234	2
1188	O75663;O75663-2	TIP41-like protein	TIPRL	CTSD/PBS	TIPRL	not considered/background	0,011638756	-0,020911066	2
1189	O75688;O75688-3;O75688-5;C9JIR6;I	Protein phosphatase 1B	PPM1B	CTSD/PBS	PPM1B	not considered/background			0
1190	O75695	Protein XRP2	RP2	CTSD/PBS	RP2	not considered/background		-0,253989266	1
1191	O75746;O75746-2;F8W9J0;H0YFB2;B	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	CTSD/PBS	SLC25A12	not considered/background	0,157431827	0,104526747	2
1192	O75781-2;O75781;A0A087WWY4;A0	Paralemmin-1	PALM	CTSD/PBS	PALM	not considered/background	0,238909117	0,099216255	2
1193	O75822-2;O75822-3;O75822	Eukaryotic translation initiation factor 3 subunit J	EIF3J	CTSD/PBS	EIF3J	not considered/background			0
1194	O75844;A0A6Q8PHG9	CAAX prenyl protease 1 homolog	ZMPSTE24	CTSD/PBS	ZMPSTE24	not considered/background	-0,26650682	-0,123268887	2
1195	O75874;C9J4N6;C9JLU6;C9JJE5	Isocitrate dehydrogenase [NADP] cytoplasmic	IDH1	CTSD/PBS	IDH1	not considered/background	0,087327052	0,01845418	2
1196	O75882-3;O75882-2;O75882	Attractin	ATRN	CTSD/PBS	ATRN	not considered/background		0,066865524	1
1197	O75899;A0A1B0GW60	Gamma-aminobutyric acid type B receptor subunit 2	GABBR2	CTSD/PBS	GABBR2	not considered/background	-0,030692919	-0,223175386	2
1198	O75914-2;O75914;O75914-4;O75914	Serine/threonine-protein kinase PAK 3;Non-specific serine/threonine protein kinase	PAK3	CTSD/PBS	PAK3	not considered/background	-0,088208727	-0,261711329	2
1199	O75915;F8WF90;C9JQU6;F8WF33	PRA1 family protein 3	ARL6IP5	CTSD/PBS	ARL6IP5	not considered/background	0,083928155	-0,016924144	2
1200	O75935-3;O75935;X6RCK5;X6RAS6;A	Dynactin subunit 3	DCTN3	CTSD/PBS	DCTN3	not considered/background	0,09936254		1
1201	O75947;O75947-2;F5H608	ATP synthase subunit d, mitochondrial	ATP5H	CTSD/PBS	ATP5H	not considered/background	0,200880954	0,247148668	2
1202	O75962-5;O75962-2;O75962;E7EWP2	Triple functional domain protein	TRIO	CTSD/PBS	TRIO	not considered/background	-0,038184078	0,304718805	2
1203	O75964;E9PN17;A0A3B3ITX4;A0A3B3	ATP synthase subunit g, mitochondrial	ATP5L	CTSD/PBS	ATP5L	not considered/background	0,310340121	0,251865128	2
1204	O75973;Q5VWW1-3;Q5VWW1-2;Q5V	C1q-related factor;Complement C1q-like protein 3;Complement C1q-like protein 2	C1QL1;C1QL3;C1QL2	CTSD/PBS	C1QL1	not considered/background			0
1205	O75976;O75976-2;J3QQJ4;J3QRJ9	Carboxypeptidase D	CPD	CTSD/PBS	CPD	not considered/background	-0,096483482	0,366819917	2
1206	O76003	Glutaredoxin-3	GLRX3	CTSD/PBS	GLRX3	not considered/background	-0,35900896	-0,160533009	2
1207	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	CTSD/PBS	CLPX	not considered/background			0
1208	O76041-2;A0A6Q8PF21;O76041;H0Y3	Nebulette	NEBL	CTSD/PBS	NEBL	not considered/background	0,139600465	-0,390997784	2
1209	O76062;H0YEN6;E9PS18;E9PLS9;O76	Delta(14)-sterol reductase	TM7SF2	CTSD/PBS	TM7SF2	not considered/background	0,028710586		1
1210	O76070;F8W754	Gamma-synuclein	SNCG	CTSD/PBS	SNCG	not considered/background	-0,286884899	-0,488000771	2
1211	O76094-2;O76094;D6RDY6;R4GNC1	Signal recognition particle subunit SRP72	SRP72	CTSD/PBS	SRP72	not considered/background		0,101706501	1
1212	O94760;O94760-2;B4DYP1	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	DDAH1	CTSD/PBS	DDAH1	not considered/background	-0,36481212	-0,329525485	2
1213	O94766;O94766-2;G3V150;E9PNA1;A	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3	B3GAT3	CTSD/PBS	B3GAT3	not considered/background	0,248899107		1
1214	O94772;O94772-2	Lymphocyte antigen 6H	LY6H	CTSD/PBS	LY6H	not considered/background		-0,04949137	1
1215	O94811	Tubulin polymerization-promoting protein	TPPP	CTSD/PBS	TPPP	not considered/background	-0,196905251	0,179138919	2
1216	O94819	Kelch repeat and BTB domain-containing protein 11	KBTBD11	CTSD/PBS	KBTBD11	not considered/background			0
1217	O94826	Mitochondrial import receptor subunit TOM70	TOMM70A	CTSD/PBS	TOMM70A	not considered/background	0,147306699	0,216752903	2
1218	O94830;E9PIF5;H0YF30;E9PKE6;O948	Phospholipase DDHD2	DDHD2	CTSD/PBS	DDHD2	not considered/background		-0,431890348	1
1219	O94874;O94874-3;O94874-2	E3 UFM1-protein ligase 1	UFL1	CTSD/PBS	UFL1	not considered/background	0,045023522	-0,192067884	2
1220	O94903;E5RFX7;E5RG77;H0YBG2	Proline synthase co-transcribed bacterial homolog protein	PROSC	CTSD/PBS	PROSC	not considered/background	0,027578727	-0,224657734	2
1221	O94905;E5RHW4;E5RJ09;O94905-2;C	Erlin-2	ERLIN2	CTSD/PBS	ERLIN2	not considered/background	0,236951759	0,043080963	2
1222	O94910-2;O94910;K7ERC3;K7EK47;K	Latrophilin-1	LPHN1	CTSD/PBS	LPHN1	not considered/background	-0,074198016	0,184555731	2
1223	O94919	Endonuclease domain-containing 1 protein	ENDOD1	CTSD/PBS	ENDOD1	not considered/background	-0,00332202		1
1224	O94925;B7Z509;H7BZD1;C9JJU6;O949	Glutaminase kidney isoform, mitochondrial	GLS	CTSD/PBS	GLS	not considered/background	-0,019843053	0,076904078	2
1226	O94967-2;O94967;O94967-3;O94967	WD repeat-containing protein 47	WDR47	CTSD/PBS	WDR47	not considered/background	-0,075185597	0,148065106	2
1228	O94973-2;O94973-3;A0A0G2JQM1	AP-2 complex subunit alpha-2	AP2A2	CTSD/PBS	AP2A2	not considered/background	-0,132087726	-0,08841301	2
1229	Q5SR54;O94985-2;O94985	Calsyntenin-1;Soluble Alc-alpha;CTF1-alpha	CLSTN1	CTSD/PBS	CLSTN1	not considered/background			0
1230	O95057;K7EN06	GTP-binding protein Di-Ras1	DIRAS1	CTSD/PBS	DIRAS1	not considered/background	0,03083043	-0,359858472	2
1231	O95139;A0A087WZX2;O95139-2	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	NDUFB6	CTSD/PBS	NDUFB6	not considered/background		-0,33822472	1
1232	S4R3I5;O95167	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3	NDUFA3	CTSD/PBS	NDUFA3	not considered/background			0
1233	O95168-2;O95168;F2Z3P9;C9JXQ9	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUFB4	CTSD/PBS	NDUFB4	not considered/background	0,012068023	0,029956249	2
1234	O95169-3;O95169;K9J7I2;E9PQ68;O9	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial	NDUFB8	CTSD/PBS	NDUFB8	not considered/background			0
1235	O95182;M0R0N0;M0R1K9	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUFA7	CTSD/PBS	NDUFA7	not considered/background			0
1236	O95196;A0A087WUT8;O95196-2;O95	Chondroitin sulfate proteoglycan 5	CSPG5	CTSD/PBS	CSPG5	not considered/background		-0,349478515	1
1237	O95197-7;O95197-2;O95197;O95197	Reticulon-3	RTN3	CTSD/PBS	RTN3	not considered/background	0,156267163	-0,285934808	2
1239	O95202;O95202-2;O95202-3	LETM1 and EF-hand domain-containing protein 1, mitochondrial	LETM1	CTSD/PBS	LETM1	not considered/background	0,231432408	0,319405585	2
1240	O95219;O95219-2;F8W9T3	Sorting nexin-4	SNX4	CTSD/PBS	SNX4	not considered/background	-0,327167366		1
1241	O95248;O95248-5;O95248-4	Myotubularin-related protein 5	SBF1	CTSD/PBS	SBF1	not considered/background			0
1242	O95292;E5RK64;O95292-2	Vesicle-associated membrane protein-associated protein B/C	VAPB	CTSD/PBS	VAPB	not considered/background	0,154842407	-0,049212535	2
1243	O95295	SNARE-associated protein Snapin	SNAPIN	CTSD/PBS	SNAPIN	not considered/background	-0,015184648		1
1244	Q9UEL6;O95297-3;O95297-2;O95297	Myelin protein zero-like protein 1	MPZL1	CTSD/PBS	MPZL1	not considered/background	0,131457785	0,024766032	2
1245	O95298;E9PM14;E9PQ53;A0A087WU	NADH dehydrogenase [ubiquinone] 1 subunit C2;NADH dehydrogenase [ubiquinone] 1 subunit C	NDUFC2;NDUFC2-KCTD14;KCTD	CTSD/PBS	NDUFC2	not considered/background	0,226878404	0,098165764	2
1246	O95302;O95302-3;O95302-2;Q75LS8	Peptidyl-prolyl cis-trans isomerase FKBP9	FKBP9	CTSD/PBS	FKBP9	not considered/background	-0,289862526	-0,031395196	2
1247	O95336;M0R261;M0R0U3;M0R1L2	6-phosphogluconolactonase	PGLS	CTSD/PBS	PGLS	not considered/background	-0,224806145	-0,277627748	2
1248	O95372;Q5QPQ1;Q5QPQ3;Q5QPQ2;Q	Acyl-protein thioesterase 2	LYPLA2	CTSD/PBS	LYPLA2	not considered/background	-0,11205368	0,128455959	2
1249	O95373;E9PLB2	Importin-7	IPO7	CTSD/PBS	IPO7	not considered/background			0
1251	O95433;O95433-2;G3V438;H0YJU2;H	Activator of 90 kDa heat shock protein ATPase homolog 1	AHSA1	CTSD/PBS	AHSA1	not considered/background	0,06681251	-0,096396804	2
1252	O95470;H0Y3V8;H7BXL7	Sphingosine-1-phosphate lyase 1	SGPL1	CTSD/PBS	SGPL1	not considered/background		-0,109561152	1
1254	Q5R3B4;O95563	Mitochondrial pyruvate carrier 2	MPC2	CTSD/PBS	MPC2	not considered/background	0,229957009	0,139792009	2
1255	O95573;F5H062;F5GWH2;C9JC11	Long-chain-fatty-acid--CoA ligase 3	ACSL3	CTSD/PBS	ACSL3	not considered/background	0,051580921	0,090188501	2
1256	O95631	Netrin-1	NTN1	CTSD/PBS	NTN1	not considered/background	-0,444596102	-0,25011268	2
1257	O95670;H0Y474;O95670-3;O95670-2	V-type proton ATPase subunit G 2	ATP6V1G2;ATP6V1G2-DDX39B	CTSD/PBS	ATP6V1G2	not considered/background	0,145090477	-0,117960953	2
1258	O95672;O95672-2;H7C3M0	Endothelin-converting enzyme-like 1	ECEL1	CTSD/PBS	ECEL1	not considered/background	0,115033243	0,25787303	2
1259	O95674;Q92903	Phosphatidate cytidylyltransferase 2	CDS2	CTSD/PBS	CDS2	not considered/background	0,153545952	-0,03562391	2
1260	O95716	Ras-related protein Rab-3D	RAB3D	CTSD/PBS	RAB3D	not considered/background	-0,01346528	0,277936237	2
1261	O95721;C9JAF7	Synaptosomal-associated protein 29;Synaptosomal-associated protein	SNAP29	CTSD/PBS	SNAP29	not considered/background	0,024603367	-0,067638717	2
1262	O95747;C9JIG9;F8WBK9	Serine/threonine-protein kinase OSR1	OXSR1	CTSD/PBS	OXSR1	not considered/background	-0,218346531	-0,13093087	2
1263	O95749;A0A2R8YE82;C9J6G3;C9J7M1	Geranylgeranyl pyrophosphate synthase	GGPS1	CTSD/PBS	GGPS1	not considered/background			0
1264	O95757;E9PDE8;D6RJ96	Heat shock 70 kDa protein 4L	HSPA4L	CTSD/PBS	HSPA4L	not considered/background	-0,303614397	-0,050188223	2
1265	O95772-2	MLN64 N-terminal domain homolog	STARD3NL	CTSD/PBS	STARD3NL	not considered/background		0,17595724	1
1266	O95782-2;O95782	AP-2 complex subunit alpha-1	AP2A1	CTSD/PBS	AP2A1	not considered/background	-0,097563621	-0,013355059	2
1267	O95822-2;O95822	Malonyl-CoA decarboxylase, mitochondrial	MLYCD	CTSD/PBS	MLYCD	not considered/background			0
1268	O95831;O95831-3;A0A6Q8PFE1;A0A6	Apoptosis-inducing factor 1, mitochondrial	AIFM1	CTSD/PBS	AIFM1	not considered/background	0,128821281	0,247525418	2
1270	O95865;A0A140T971;Q5SSV3;Q5SRR8	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	DDAH2	CTSD/PBS	DDAH2	not considered/background	-0,024296452	-0,074642438	2
1271	O95881;V9GY50;V9GYV4	Thioredoxin domain-containing protein 12	TXNDC12	CTSD/PBS	TXNDC12	not considered/background	0,75000615	0,415922624	2
1272	O95989	Diphosphoinositol polyphosphate phosphohydrolase 1	NUDT3	CTSD/PBS	NUDT3	not considered/background			0
1273	O96000;H3BPJ9;O96000-2;H3BV16	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUFB10	CTSD/PBS	NDUFB10	not considered/background	-0,01759229	0,085236498	2
1274	O96005-4;O96005;O96005-3;K7EQQ1	Cleft lip and palate transmembrane protein 1	CLPTM1	CTSD/PBS	CLPTM1	not considered/background	0,175684271	0,178926589	2
1275	O96008;O96008-2;K7EKG4;K7EJ57	Mitochondrial import receptor subunit TOM40 homolog	TOMM40	CTSD/PBS	TOMM40	not considered/background	0,205267382	0,326678768	2
1276	O96011;O96011-2;H7C3V6	Peroxisomal membrane protein 11B	PEX11B	CTSD/PBS	PEX11B	not considered/background	0,313710226	0,220412479	2
1278	P00167-2;P00167-3;P00167	Cytochrome b5	CYB5A	CTSD/PBS	CYB5A	not considered/background			0
1279	P00338;P00338-3;P00338-4;P00338-	L-lactate dehydrogenase A chain	LDHA	CTSD/PBS	LDHA	not considered/background	-0,162573396	-0,166072676	2
1280	P00367;P00367-3;P00367-2;P49448	Glutamate dehydrogenase 1, mitochondrial;Glutamate dehydrogenase 2, mitochondrial	GLUD1;GLUD2	CTSD/PBS	GLUD1	not considered/background	0,295840551	0,129686577	2
1281	P00387-2;P00387;P00387-3;B1AHF3	NADH-cytochrome b5 reductase 3;NADH-cytochrome b5 reductase 3 membrane-bound form;NA	CYB5R3	CTSD/PBS	CYB5R3	not considered/background	-0,234601043	0,060216766	2
1282	P00390-2;P00390-3;P00390;P00390-	Glutathione reductase, mitochondrial	GSR	CTSD/PBS	GSR	not considered/background	0,039419183	-0,085016673	2
1284	P00403	Cytochrome c oxidase subunit 2	MT-CO2	CTSD/PBS	MT-CO2	not considered/background	-0,385393798	-0,257493448	2

1285	P00414	Cytochrome c oxidase subunit 3	MT-CO3	CTSD/PBS	MT-CO3	not considered/background		0
1286	P00441;H7BYH4	Superoxide dismutase [Cu-Zn]	SOD1	CTSD/PBS	SOD1	not considered/background	-0,188660503	-0,040261223	2
1287	P00491;G3V2H3;G3V5M2	Purine nucleoside phosphorylase	PNP	CTSD/PBS	PNP	not considered/background		0
1288	P00492;Q9NRG1-2;Q9NRG1	Hypoxanthine-guanine phosphoribosyltransferase	HPRT1	CTSD/PBS	HPRT1	not considered/background	0,08106688	-0,077242999	2
1289	P00505;P00505-2	Aspartate aminotransferase, mitochondrial	GOT2	CTSD/PBS	GOT2	not considered/background	0,325040955	0,261621257	2
1290	P00558;P00558-2	Phosphoglycerate kinase 1	PGK1	CTSD/PBS	PGK1	not considered/background	-0,367843481	-0,32998465	2
1291	Q5T9B7;P00568;H0YID2	Adenylate kinase isoenzyme 1	AK1	CTSD/PBS	AK1	not considered/background	0,004896843	-0,139731422	2
1292	P00846	ATP synthase subunit a	MT-ATP6	CTSD/PBS	MT-ATP6	not considered/background	0,063640993	-0,146003451	2
1293	P00966;Q5T6L6;Q5T6L5	Argininosuccinate synthase	ASS1	CTSD/PBS	ASS1	not considered/background	-0,191376065	-0,283092058	2
1294	P01023;H0YFH1	Alpha-2-macroglobulin	A2M	CTSD/PBS	A2M	not considered/background	0,280006078	0,317408725	2
1295	P01112;P01112-2	GTPase HRas;GTPase HRas, N-terminally processed	HRAS	CTSD/PBS	HRAS	not considered/background	-0,081995481	0,054871777	2
1296	P01116-2;P01116;G3V4K2;G3V5T7	GTPase KRas;GTPase KRas, N-terminally processed	KRAS	CTSD/PBS	KRAS	not considered/background	0,239520247	0,056296172	2
1298	P02511;E9PJL7;E9PRA8;E9PS12;A0A0	Alpha-crystallin B chain	CRYAB	CTSD/PBS	CRYAB	not considered/background	-0,349970759	-0,478091687	2
1299	P02649;H0Y7L5	Apolipoprotein E	APOE	CTSD/PBS	APOE	not considered/background		0
1300	P02786;G3V0E5;F8WBE5;H7C3V5;Q9	Transferrin receptor protein 1;Transferrin receptor protein 1, serum form	TFRC	CTSD/PBS	TFRC	not considered/background	-0,416519427	-0,478402378	2
1301	P02787;H7C5E8;C9JVG0;CON__Q2HJF	Serotransferrin	TF	CTSD/PBS	TF	not considered/background	-0,579921884	-0,412076939	2
1302	P02792	Ferritin light chain	FTL	CTSD/PBS	FTL	not considered/background	0,46905241	0,678395105	2
1303	P02794;G3V192;G3V1D1;E9PRK8;E9P	Ferritin heavy chain;Ferritin heavy chain, N-terminally processed;Ferritin	FTH1	CTSD/PBS	FTH1	not considered/background	0,139600465	0,447740986	2
1304	P03886	NADH-ubiquinone oxidoreductase chain 1	MT-ND1	CTSD/PBS	MT-ND1	not considered/background	-0,53338854		1
1305	P03905	NADH-ubiquinone oxidoreductase chain 4	MT-ND4	CTSD/PBS	MT-ND4	not considered/background	-0,202721342		1
1308	P04066	Tissue alpha-L-fucosidase	FUCA1	CTSD/PBS	FUCA1	Lysosomal enzymes	0,119953718	-0,030265443	2
1309	P04075;P04075-2;J3KPS3;H3BQN4;H	Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	ALDOA	CTSD/PBS	ALDOA	not considered/background	-0,124062704	-0,164400135	2
1310	P04080;A0A1W2PQG6;A0A1W2PS52	Cystatin-B	CSTB	CTSD/PBS	CSTB	not considered/background	-0,033111841	-0,105946212	2
1311	P04083;Q5T3N1;Q5T3N0	Annexin A1;Annexin	ANXA1	CTSD/PBS	ANXA1	not considered/background	-0,752072487	-0,479644475	2
1312	P04179-4;P04179;P04179-2;F5H3C5;	Superoxide dismutase [Mn], mitochondrial	SOD2	CTSD/PBS	SOD2	not considered/background	-0,050248446	0,116848429	2
1313	P04181;P04181-2	Ornithine aminotransferase, mitochondrial;Ornithine aminotransferase, hepatic form;Ornithine	OAT	CTSD/PBS	OAT	not considered/background	0,498046578	0,327963955	2
1314	P04259	Keratin, type II cytoskeletal 6B	KRT6B	CTSD/PBS	KRT6B	not considered/background		0
1316	P04350;M0QY85;M0R2D3;M0R278;M	Tubulin beta-4A chain	TUBB4A	CTSD/PBS	TUBB4A	not considered/background	-0,308573036	-0,259302621	2
1317	P04406;P04406-2;E7EUT5;O14556	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	CTSD/PBS	GAPDH	not considered/background	-0,223205369	-0,245982361	2
1318	P04843;B7Z4L4;F8WF32	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	CTSD/PBS	RPN1	not considered/background	0,035201596	0,089712494	2
1319	P04844;P04844-2;Q5JYR7;Q5JYR3;H0	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	CTSD/PBS	RPN2	not considered/background	0,121413331	0,30900192	2
1320	P04899;P04899-6;P04899-3;P04899-	Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2	CTSD/PBS	GNAI2	not considered/background	-0,148560765	-0,014640947	2
1321	P05023-4;P05023;P05023-3;P05023-	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	CTSD/PBS	ATP1A1	not considered/background	-0,031887124	-0,017494379	2
1322	P05026;P05026-2;V9GYR2	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	CTSD/PBS	ATP1B1	not considered/background	-0,001400093	-0,038155201	2
1323	P05060;A0A0A0MT66	Secretogranin-1;PE-11;GAWK peptide;CCB peptide	CHGB	CTSD/PBS	CHGB	not considered/background		0
1324	P05091;P05091-2;F8VP50;S4R3S4;O9	Aldehyde dehydrogenase, mitochondrial	ALDH2	CTSD/PBS	ALDH2	not considered/background	0,340847077	0,233362438	2
1325	P05109	Protein S100-A8;Protein S100-A8, N-terminally processed	S100A8	CTSD/PBS	S100A8	not considered/background		0
1326	P05141	ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed	SLC25A5	CTSD/PBS	SLC25A5	not considered/background	0,10017032	0,024575246	2
1327	P05165-2;P05165;P05165-3;A0A1B0	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	CTSD/PBS	PCCA	not considered/background	0,385486259	0,122711203	2
1328	P05198;H0YJS4;G3V4T5	Eukaryotic translation initiation factor 2 subunit 1	EIF2S1	CTSD/PBS	EIF2S1	not considered/background	-0,169306579	-0,184470737	2
1330	P05387;H0YDD8	60S acidic ribosomal protein P2	RPLP2	CTSD/PBS	RPLP2	not considered/background		0
1331	P05388;P05388-2;F8VWS0;F8VU65;F	60S acidic ribosomal protein P0;60S acidic ribosomal protein P0-like	RPLP0;RPLP0P6	CTSD/PBS	RPLP0	not considered/background	-0,152548215	0,099587199	2
1332	P05413;S4R371;S4R3A2	Fatty acid-binding protein, heart	FABP3	CTSD/PBS	FABP3	not considered/background	-0,914983327	-0,770194755	2
1333	P05455	Lupus La protein	SSB	CTSD/PBS	SSB	not considered/background		0
1334	P05556;P05556-2;P05556-5;P05556-	Integrin beta-1	ITGB1	CTSD/PBS	ITGB1	not considered/background	-0,143946539	-0,021479727	2
1335	P05771;P05771-2;I3L148;I3L120;H3B	Protein kinase C beta type	PRKCB	CTSD/PBS	PRKCB	not considered/background		0
1336	P05937;P05937-2;E5RIZ8;E5RG14	Calbindin	CALB1	CTSD/PBS	CALB1	not considered/background	0,058524312	0,523359091	2
1337	P06241;P06241-3;P06241-2;E5RFS5;I	Tyrosine-protein kinase Fyn	FYN	CTSD/PBS	FYN	not considered/background	-0,159814757	-0,175301034	2
1339	P06576;H0YH81;F8W079;F8W0P7;H0	ATP synthase subunit beta, mitochondrial;ATP synthase subunit beta	ATP5B	CTSD/PBS	ATP5B	not considered/background	0,190045887	0,264425835	2
1341	P06733;A0A2R8Y6G6;P06733-2;K7EN	Alpha-enolase	ENO1	CTSD/PBS	ENO1	not considered/background	-0,174816808	-0,223793216	2
1342	P06748-3;P06748-2;P06748;E5RGW4	Nucleophosmin	NPM1	CTSD/PBS	NPM1	not considered/background	-0,314302003	0,040022171	2
1343	P06753-5;P06753-4;P06753;P06753-	Tropomyosin alpha-3 chain	TPM3	CTSD/PBS	TPM3	not considered/background	0,068464451	-0,088141597	2
1344	P06756-3;P06756-2;P06756	Integrin alpha-V;Integrin alpha-V heavy chain;Integrin alpha-V light chain	ITGAV	CTSD/PBS	ITGAV	not considered/background		0
1347	P07093-2;P07093;P07093-3	Glia-derived nexin	SERPINE2	CTSD/PBS	SERPINE2	not considered/background		0
1348	P07099;B1AQP8;B1AQP9	Epoxide hydrolase 1	EPHX1	CTSD/PBS	EPHX1	not considered/background	-0,269633938	-0,425244442	2
1349	P07101-3;P07101-4;P07101-2;P0710	Tyrosine 3-monooxygenase	TH	CTSD/PBS	TH	not considered/background	-0,002411315	0,153606979	2
1350	P07196	Neurofilament light polypeptide	NEFL	CTSD/PBS	NEFL	not considered/background	-0,564200746	-0,683651545	2
1352	P07237;H7BZ94;H0Y3Z3;I3L398;I3L3	Protein disulfide-isomerase	P4HB	CTSD/PBS	P4HB	not considered/background	0,207268173	0,083294071	2
1353	P07305;P07305-2	Histone H1.0;Histone H1.0, N-terminally processed	H1F0	CTSD/PBS	H1F0	not considered/background	1,052902739	0,846687534	2
1354	P07355;P07355-2;H0YN42;H0YMU9;H	Annexin A2;Annexin;Putative annexin A2-like protein	ANXA2;ANXA2P2	CTSD/PBS	ANXA2	not considered/background	-0,325593586	-0,276079728	2
1355	P07384;E9PL37;E9PRM1;E9PLX0;E9PJ	Calpain-1 catalytic subunit	CAPN1	CTSD/PBS	CAPN1	not considered/background	-0,696026418	-0,325846898	2
1356	Q5JP53;P07437;Q5ST81;A6NNZ2	Tubulin beta chain	TUBB	CTSD/PBS	TUBB	not considered/background	-0,427362522	-0,063226802	2
1357	P07686;Q5URX0;H0YA83;H0Y986;D6I	Beta-hexosaminidase subunit beta;Beta-hexosaminidase subunit beta chain B;Beta-hexosaminida	HEXB	CTSD/PBS	HEXB	not considered/background	0,012497163	0,073013812	2
1359	P07737;K7EJ44;CON__P02584;I3L3D	Profilin-1	PFN1	CTSD/PBS	PFN1	not considered/background	-0,233158933	-0,374177033	2
1360	P07814;V9GYZ6;V9GZ76	Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase	EPRS	CTSD/PBS	EPRS	not considered/background	0,14834845	0,288135106	2
1361	P07858;R4GMQ5;E9PR54;E9PJ67;E9P	Cathepsin B;Cathepsin B light chain;Cathepsin B heavy chain	CTSB	CTSD/PBS	CTSB	Lysosomal enzymes	0,10057404	-0,136978812	2
1362	P07900;P07900-2;G3V2J8;Q58FG0;Q	Heat shock protein HSP 90-alpha	HSP90AA1	CTSD/PBS	HSP90AA1	not considered/background	-0,112817898	-0,088820033	2
1363	P07919;A0A096LP55	Cytochrome b-c1 complex subunit 6, mitochondrial	UQCRH	CTSD/PBS	UQCRH	not considered/background	0,375400929	0,275227508	2
1364	P07954-2;P07954	Fumarate hydratase, mitochondrial	FH	CTSD/PBS	FH	not considered/background	0,182438056	0,17871429	2
1365	P08133;P08133-2;E7EMC6;E5RJF5;E5	Annexin A6;Annexin	ANXA6	CTSD/PBS	ANXA6	not considered/background	-0,557051198	-0,527871054	2
1366	P08237;A0A2R8Y891;P08237-3;P082	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	CTSD/PBS	PFKM	not considered/background	-0,202937203	-0,138290234	2
1367	P08238;Q58FF7	Heat shock protein HSP 90-beta	HSP90AB1	CTSD/PBS	HSP90AB1	not considered/background	-0,108705256	-0,218843151	2
1368	P08240;P08240-2	Signal recognition particle receptor subunit alpha	SRPR	CTSD/PBS	SRPR	not considered/background	-0,009350043	0,199006943	2
1369	P08243-2;P08243;C9JLN6;C9JM09;C9	Asparagine synthetase [glutamine-hydrolyzing]	ASNS	CTSD/PBS	ASNS	not considered/background		0
1370	P08247;H7C4W3;G5E9A2;F2Z3E1;P08	Synaptophysin	SYP	CTSD/PBS	SYP	not considered/background	0,038717108	-0,21896711	2
1371	P08559;P08559-3;P08559-2;P08559-	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	CTSD/PBS	PDHA1	not considered/background	0,403049529	0,192298873	2
1372	P08574	Cytochrome c1, heme protein, mitochondrial	CYC1	CTSD/PBS	CYC1	not considered/background	0,180147861	0,233260682	2
1373	P08670;B0YJC4;B0YJC5;A0A1B0GTT5;	Vimentin	VIM	CTSD/PBS	VIM	not considered/background	-0,509861202	-0,564329387	2
1374	P08754	Guanine nucleotide-binding protein G(k) subunit alpha	GNAI3	CTSD/PBS	GNAI3	not considered/background	-0,21594837	-0,014926544	2
1375	P08758;D6RBE9;D6RBL5;E9PHT9;D6R	Annexin A5;Annexin	ANXA5	CTSD/PBS	ANXA5	not considered/background	-0,24694321	-0,333423734	2
1376	P09104;P09104-2;F5H0C8;F5H1C3;P	Gamma-enolase;Enolase	ENO2	CTSD/PBS	ENO2	not considered/background	-0,222818079	-0,092207438	2
1377	P09110;C9JDE9;H7C131;P09110-2;H	3-ketoacyl-CoA thiolase, peroxisomal	ACAA1	CTSD/PBS	ACAA1	not considered/background	-0,192381295	-0,004753055	2
1378	P09211;A8MX94;A0A087X2E9;A0A08	Glutathione S-transferase P	GSTP1	CTSD/PBS	GSTP1	not considered/background	-0,226864487	-0,321697245	2
1379	P09382;F8WEI7	Galectin-1	LGALS1	CTSD/PBS	LGALS1	not considered/background	-0,205097599	-0,674912553	2
1380	P09417;P09417-2;B7Z415;D6RGG7;D	Dihydropteridine reductase	QDPR	CTSD/PBS	QDPR	not considered/background	0,185359135	0,130997235	2
1381	Q5T7C4;P09429;B2RPK0;P23497	High mobility group protein B1;Putative high mobility group protein B1-like 1	HMGB1;HMGB1P1	CTSD/PBS	HMGB1	not considered/background	0,244765308	-0,103933991	2
1382	P09471;H3BTM2;A0A1W2PP38;A0A1	Guanine nucleotide-binding protein G(o) subunit alpha	GNAO1	CTSD/PBS	GNAO1	not considered/background	-0,007768149	-0,116630912	2
1383	P09497;P09497-2;D6RJD1;H0Y9Q6	Clathrin light chain B	CLTB	CTSD/PBS	CLTB	not considered/background	-0,014339279	0,049337498	2
1384	P09543-2;P09543;K7ERC4;K7EN66;C5	2,3-cyclic-nucleotide 3-phosphodiesterase	CNP	CTSD/PBS	CNP	not considered/background	0,196229326	-0,083111227	2
1385	P09622;E9PEX6;P09622-3;P09622-2;I	Dihydrolipoyl dehydrogenase, mitochondrial;Dihydrolipoyl dehydrogenase	DLD	CTSD/PBS	DLD	not considered/background	0,193456366	0,373775823	2
1386	P09669	Cytochrome c oxidase subunit 6C	COX6C	CTSD/PBS	COX6C	not considered/background	-0,034071684	-0,210388864	2
1387	P09936;D6RE83;D6R956;D6R974;D6I	Ubiquitin carboxyl-terminal hydrolase isozyme L1;Ubiquitin carboxyl-terminal hydrolase	UCHL1	CTSD/PBS	UCHL1	not considered/background	-0,0314742	-0,040962548	2
1388	P09960-4;P09960;P09960-3;P09960-	Leukotriene A-4 hydrolase	LTA4H	CTSD/PBS	LTA4H	not considered/background	0,121811151		1
1389	P09972;A8MVZ9;J3KSV6;J3QKP5;C9J8	Fructose-bisphosphate aldolase C;Fructose-bisphosphate aldolase	ALDOC	CTSD/PBS	ALDOC	not considered/background	-0,105612927	-0,190551652	2
1390	Q71UI9;P0C0S5;Q71UI9-3;Q71UI9-4;C	Histone H2A V;Histone H2A.Z;Histone H2A	H2AFV;H2AFZ	CTSD/PBS	H2AFV	not considered/background	0,162596766		1
1392	P0DP25;P0DP24;P0DP23;E7EMB3;Q9		CALM2;CALM1	CTSD/PBS	CALM2	not considered/background	0,289008146	-0,013212111	2
1393	P10114;F6U784	Ras-related protein Rap-2a	RAP2A	CTSD/PBS	RAP2A	not considered/background	-0,054437241	-0,149519521	2
1394	P10155-3;P10155-5;P10155-4;P1015	60 kDa SS-A/Ro ribonucleoprotein	TROVE2	CTSD/PBS	TROVE2	not considered/background	0,094371211	0,102449767	2
1395	P10253;I3L3L3;I3L0S5;I3L2V9	Lysosomal alpha-glucosidase;76 kDa lysosomal alpha-glucosidase;70 kDa lysosomal alpha-glucosi	GAA	CTSD/PBS	GAA	Lysosomal enzymes	0,145220937	0,037443574	2
1396	P10515;H0YDD4;E9PEJ4	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, m	DLAT	CTSD/PBS	DLAT	not considered/background	0,10795563	0,278093675	2
1397	P10586;P10586-2;A2A437	Receptor-type tyrosine-protein phosphatase F	PTPRF	CTSD/PBS	PTPRF	not considered/background	0,150949541	-0,117163075	2
1398	P10599	Thioredoxin	TXN	CTSD/PBS	TXN	not considered/background	-0,070269589	-0,135928816	2
1400	P10606	Cytochrome c oxidase subunit 5B, mitochondrial	COX5B	CTSD/PBS	COX5B	not considered/background	-0,149376575	-0,474669659	2
1401	P10619-2;P10619;X6R5C5;X6R8A1;Q	Lysosomal protective protein;Lysosomal protective protein 32 kDa chain;Lysosomal protective p	CTSA	CTSD/PBS	CTSA	not considered/background		-0,382058509	1
1402	P10636-2;P10636-4;P10636-6;P1063	Microtubule-associated protein tau;Microtubule-associated protein	MAPT	CTSD/PBS	MAPT	Other substrate	-0,065853419	-0,179001399	2
1403	P10768;X6RA14;U3KQT1;H7BZT7	S-formylglutathione hydrolase	ESD	CTSD/PBS	ESD	not considered/background		-0,071076162	1
1404	P10809;E7ESH4;E7EXB4;P10809-2;C9	60 kDa heat shock protein, mitochondrial	HSPD1	CTSD/PBS	HSPD1	not considered/background	0,125915549	0,187887914	2
1405	P10909-4;P10909-6;P10909;P10909-	Clusterin;Clusterin beta chain;Clusterin alpha chain;Clusterin	CLU	CTSD/PBS	CLU	not considered/background	-0,04739805	-0,054501216	2
1406	P11021	78 kDa glucose-regulated protein	HSPA5	CTSD/PBS	HSPA5	not considered/background	-0,073256646	0,004826666	2
1407	P11142;E9PKE3;E9PNE6;A8K7Q2;P11	Heat shock cognate 71 kDa protein	HSPA8	CTSD/PBS	HSPA8	not considered/background	-0,166858928	-0,12551886	2
1408	P11166;A0A6Q8PFI8	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	CTSD/PBS	SLC2A1	not considered/background	0,170950553	0,078411334	2
1409	P11169;Q8TDB8-4;Q8TDB8-2;Q8TDB8	Solute carrier family 2, facilitated glucose transporter member 3;Solute carrier family 2, facilitate	SLC2A3;SLC2A14	CTSD/PBS	SLC2A3	not considered/background	0,130799111	0,010366854	2
1410	P11177-2;P11177;P11177-3;C9J634;I	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	PDHB	CTSD/PBS	PDHB	not considered/background	0,366252264	0,187937216	2
1411	P11182;Q5VVL7	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase comple	DBT	CTSD/PBS	DBT	not considered/background	-0,542437226	0,358953452	2
1412	P11216;H0Y4Z6;P06737-2;E9PK47;P0	Glycogen phosphorylase, brain form	PYGB	CTSD/PBS	PYGB	not considered/background	-0,171027281	-0,109962253	2
1414	P11233;H7C3P7;C9JPE8	Ras-related protein Ral-A	RALA	CTSD/PBS	RALA	not considered/background	-0,100391239	0,052685444	2
1415	P11234;P11234-3;P11234-2;C9J6B1;I	Ras-related protein Ral-B	RALB	CTSD/PBS	RALB	not considered/background	0,104068226	0,000591626	2
1417	P11279;P11279-2	Lysosome-associated membrane glycoprotein 1	LAMP1	CTSD/PBS	LAMP1	Lysosomal membrane proteins	-0,491835063	-0,339365461	2
1418	P11413;P11413-2;P11413-3;E7EUI8;E	Glucose-6-phosphate 1-dehydrogenase	G6PD	CTSD/PBS	G6PD	not considered/background	-0,041253817	0,006332883	2
1419	P11498;A0A494C101;E9PRE7;P11498	Pyruvate carboxylase, mitochondrial	PC	CTSD/PBS	PC	not considered/background	0,39330636	0,238680681	2
1420	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	CTSD/PBS	IGF2R	not considered/background	-0,530968435		1
1421	P11766;H0YAG8;D6RFE4;D6R9G2;D6I	Alcohol dehydrogenase class-3	ADH5	CTSD/PBS	ADH5	not considered/background	-0,144791642	-0,095316842	2
1423	P12235;V9GYG0;Q9H0C2	ADP/ATP translocase 1	SLC25A4	CTSD/PBS	SLC25A4	not considered/background	0,208642109	0,250011006	2
1424	P12236	ADP/ATP translocase 3;ADP/ATP translocase 3, N-terminally processed	SLC25A6	CTSD/PBS	SLC25A6	not considered/background	0,235481995	0,138282789	2
1425	P12277;G3V4N7;H0YJG0;G3V461;H0	Creatine kinase B-type	CKB	CTSD/PBS	CKB	not considered/background	-0,330102436	-0,353436218	2
1426	P12532;P12532-2;F8WCN3;C9JSQ1;C	Creatine kinase U-type, mitochondrial	CKMT1A;CKMT1B	CTSD/PBS	CKMT1A	not considered/background	0,134089481	0,003090676	2
1427	P12931;P12931-2	Proto-oncogene tyrosine-protein kinase Src	SRC	CTSD/PBS	SRC	not considered/background	0,162854528	-0,083928155	2
1428	P12955;P12955-3;P12955-2;K7E525;;	Xaa-Pro dipeptidase	PEPD	CTSD/PBS	PEPD	not considered/background	0,121015401	-0,167871708	2
1429	P12956;B1AHC9;P12956-2	X-ray repair cross-complementing protein 6	XRCC6	CTSD/PBS	XRCC6	not considered/background		0
1430	P13010	X-ray repair cross-complementing protein 5	XRCC5	CTSD/PBS	XRCC5	not considered/background	0,470094293	0,675765438	2
1431	P13073;H3BN72;H3BNV9;H3BPG0;Q8	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX4I1	CTSD/PBS	COX4I1	not considered/background	0,284277218	-0,170950553	2
1433	P13473-2;P13473;P13473-3;H0YCG2	Lysosome-associated membrane glycoprotein 2	LAMP2	CTSD/PBS	LAMP2	Lysosomal membrane proteins	-0,839957568	0,127573085	2
1434	P13489;H0YCR7;E9PMJ3;E9PLZ3;E9PI	Ribonuclease inhibitor	RNH1	CTSD/PBS	RNH1	not considered/background	0,149779631	-0,151728955	2
1435	P13521;C9JQJ2;C9JDT0	Secretogranin-2;Secretoneurin;Manserin	SCG2	CTSD/PBS	SCG2	not considered/background	0,168000125	0,039577256	2
1436	P13591;A0A087WX77;A0A087WWD4	Neural cell adhesion molecule 1	NCAM1	CTSD/PBS	NCAM1	not considered/background	-0,070739224	0,243284106	2
1438	P13637;P13637-2;P13637-3;A0A2R8\	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	CTSD/PBS	ATP1A3	not considered/background	-0,152997293	-0,008773707	2
1439	P13639;K7EJ74;K7EP67;Q15029-2;Q1	Elongation factor 2	EEF2	CTSD/PBS	EEF2	not considered/background	0,217230716	0,156305528	2
1440	P13667;A0A499FI48;C9JMN9	Protein disulfide-isomerase A4	PDIA4	CTSD/PBS	PDIA4	not considered/background	0,168000125	0,179220593	2
1441	P13674-3;P13674-2;P13674	Prolyl 4-hydroxylase subunit alpha-1	P4HA1	CTSD/PBS	P4HA1	not considered/background	-0,5395405	-0,413702389	2
1442	P13716-2;P13716;B7ZBK6	Delta-aminolevulinic acid dehydratase	ALAD	CTSD/PBS	ALAD	not considered/background			0
1443	P13804;P13804-2;H0YK49;H0YLU7;H	Electron transfer flavoprotein subunit alpha, mitochondrial	ETFA	CTSD/PBS	ETFA	not considered/background	0,36232961	0,387373852	2

1444	P13807-2;P13807	Glycogen [starch] synthase, muscle	GYS1	CTSD/PBS	GYS1	not considered/background			0
1445	P13861;P13861-2;H7C1L0;H7C330;H	cAMP-dependent protein kinase type II-alpha regulatory subunit	PRKAR2A	CTSD/PBS	PRKAR2A	not considered/background	-0,07322629	-0,167614841	2
1446	P14174	Macrophage migration inhibitory factor	MIF	CTSD/PBS	MIF	not considered/background	0,06060083	-0,545573056	2
1447	P14324-2;P14324;A0A087WVN4;A0A	Farnesyl pyrophosphate synthase	FDPS	CTSD/PBS	FDPS	not considered/background	0,274410769	0,108720812	2
1448	P14415;I3L3J8;I3L1V9	Sodium/potassium-transporting ATPase subunit beta-2	ATP1B2	CTSD/PBS	ATP1B2	not considered/background	-0,070315031	-0,335826224	2
1449	P14550;Q5T621;V9GYP9;V9GYG2	Alcohol dehydrogenase [NADP(+)]	AKR1A1	CTSD/PBS	AKR1A1	not considered/background	-0,053942929	-0,126179949	2
1450	P14618;P14618-3;B4DNK4;H3BUW1;	Pyruvate kinase PKM;Pyruvate kinase	PKM	CTSD/PBS	PKM	not considered/background	-1,094063822	-0,43850578	2
1451	P14618-2;H3BTN5;H3BR70;H3BQ34	Pyruvate kinase PKM;Pyruvate kinase	PKM	CTSD/PBS	PKM	not considered/background	-0,188857826	-0,286999397	2
1452	P14625;Q96GW1;A0A1W2PRR1;Q58F	Endoplasmin	HSP90B1	CTSD/PBS	HSP90B1	not considered/background	0,171591153	0,158751429	2
1453	P14854;A0A494C160	Cytochrome c oxidase subunit 6B1	COX6B1	CTSD/PBS	COX6B1	not considered/background	-0,129197359		1
1454	P14868;P14868-2;C9J7S3;C9JLC1;H7	Aspartate--tRNA ligase, cytoplasmic	DARS	CTSD/PBS	DARS	not considered/background	0,060877473	0,061465781	2
1455	P14923;C9JTX4;C9J826;C9JK18;C9JK	Junction plakoglobin	JUP	CTSD/PBS	JUP	not considered/background		0,201493205	1
1456	P14927;P14927-2;B7Z2R2;E5RHG9	Cytochrome b-c1 complex subunit 7	UQCRB	CTSD/PBS	UQCRB	not considered/background	-0,090342086	0,042783708	2
1457	P15121;E9PCX2;E9PEF9;C9JRZ8;C9JR	Aldose reductase	AKR1B1	CTSD/PBS	AKR1B1	not considered/background	-0,312545089	-0,104470858	2
1458	P15374;A0A087WTB8;Q5TBK7	Ubiquitin carboxyl-terminal hydrolase isozyme L3;Ubiquitin carboxyl-terminal hydrolase	UCHL3	CTSD/PBS	UCHL3	not considered/background	0,053528441	0,017052045	2
1460	P15586;H7C3P4;P15586-2;F6S8M0;F	N-acetylglucosamine-6-sulfatase	GNS	CTSD/PBS	GNS	not considered/background	-0,264339192	-0,232415171	2
1461	P15848;P15848-2;A0A2U3U034	Arylsulfatase B	ARSB	CTSD/PBS	ARSB	Lysosomal enzymes	0,111164889	0,018249617	2
1462	P15924-2;P15924-3;P15924	Desmoplakin	DSP	CTSD/PBS	DSP	not considered/background		0,376545128	1
1463	P16035;B4DFW2;K7EIX4;K7EL90	Metalloproteinase inhibitor 2	TIMP2	CTSD/PBS	TIMP2	not considered/background	-0,044449123	-0,077379741	2
1464	P16219;E9PE82	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADS	CTSD/PBS	ACADS	not considered/background	0,084744621	0,531593936	2
1465	P16278-3;P16278;P16278-2;E7EQ29;	Beta-galactosidase	GLB1	CTSD/PBS	GLB1	Lysosomal enzymes	-0,30064382	-0,234133396	2
1466	P16298;P16298-4;Q5F2F8;P16298-2;	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform;Serine/threonine-protei	PPP3CB	CTSD/PBS	PPP3CB	not considered/background	-0,055576302	-0,185486004	2
1467	P16333;C9JOK5;E7ERP6;E9PEE2;C9K0	Cytoplasmic protein NCK1;Cytoplasmic protein NCK2	NCK1;NCK2	CTSD/PBS	NCK1	not considered/background			0
1468	P16401	Histone H1.5	HIST1H1B	CTSD/PBS	HIST1H1B	not considered/background		0,454743272	1
1469	P16403;P10412;P16402;Q02539;P22	Histone H1.2;Histone H1.4;Histone H1.3	HIST1H1C;HIST1H1E;HIST1H1D	CTSD/PBS	HIST1H1C	not considered/background	0,40370401	0,302991314	2
1470	P16435;H0Y4R2;E7EMD0;E7EWU0	NADPH--cytochrome P450 reductase	POR	CTSD/PBS	POR	not considered/background	0,118093889	0,097563621	2
1471	P16615-3;P16615-2;P16615-5;P1661	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	CTSD/PBS	ATP2A2	not considered/background	-0,036141209	0,022155933	2
1472	P16870-2;P16870;D6RF88;C9JE88;D6	Carboxypeptidase E	CPE	CTSD/PBS	CPE	not considered/background	0,161565256	0,146595121	2
1473	P16949;P16949-2;A2A2D0;REV__P36	Stathmin	STMN1	CTSD/PBS	STMN1	not considered/background	0,236217064	0,213320006	2
1474	P17050	Alpha-N-acetylgalactosaminidase	NAGA	CTSD/PBS	NAGA	Lysosomal enzymes	0,364236231	0,039844189	2
1476	P17152	Transmembrane protein 11, mitochondrial	TMEM11	CTSD/PBS	TMEM11	not considered/background		0,283632397	1
1477	P17174;P17174-2	Aspartate aminotransferase, cytoplasmic	GOT1	CTSD/PBS	GOT1	not considered/background	-0,192331841	-0,204391163	2
1478	P17252;J3KRN5	Protein kinase C alpha type	PRKCA	CTSD/PBS	PRKCA	not considered/background	-0,073545065	-0,266516713	2
1480	P17568	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NDUFB7	CTSD/PBS	NDUFB7	not considered/background			0
1481	P17600;P17600-2;A0A1W2PS00;A0A	Synapsin-1	SYN1	CTSD/PBS	SYN1	not considered/background	-0,158381059	-0,205642742	2
1482	P17612;P17612-2;Q15136;K7ERP6;K	cAMP-dependent protein kinase catalytic subunit alpha	PRKACA;KIN27	CTSD/PBS	PRKACA	not considered/background	-0,05072655	-0,205017088	2
1483	P17677;P17677-2	Neuromodulin	GAP43	CTSD/PBS	GAP43	not considered/background	0,120882733	0,119933605	2
1484	P17858;P17858-2	ATP-dependent 6-phosphofructokinase, liver type	PFKL	CTSD/PBS	PFKL	not considered/background	-0,125431208	-0,490467444	2
1485	P17900;H0YBY3;E5RJD0	Ganglioside GM2 activator;Ganglioside GM2 activator isoform short	GM2A	CTSD/PBS	GM2A	not considered/background		-0,727876901	1
1487	R4GNH3;P17980;E9PM69;E9PMD8;E9	26S protease regulatory subunit 6A	PSMC3	CTSD/PBS	PSMC3	not considered/background	-0,167442097	0,035017384	2
1488	P17987;E7ERF2;E7EQR6;F5H282;F5G2	T-complex protein 1 subunit alpha	TCP1	CTSD/PBS	TCP1	not considered/background	-0,087334808	-0,109293689	2
1489	P18065;C9JMY1;C9JW52;H7C1H0	Insulin-like growth factor-binding protein 2	IGFBP2	CTSD/PBS	IGFBP2	not considered/background	0,012640181	-0,459431619	2
1490	P18077;C9K025;F8WBS5;F8WB72	60S ribosomal protein L35a	RPL35A	CTSD/PBS	RPL35A	not considered/background	0,213253951	-0,019061365	2
1491	P18085;C9JPM4;C9JAK5;U3KQF2	ADP-ribosylation factor 4	ARF4	CTSD/PBS	ARF4	not considered/background	-0,226071171		1
1492	P18124;A8MUD9;C9JIJ5;C9JZ88	60S ribosomal protein L7	RPL7	CTSD/PBS	RPL7	not considered/background	0,065985829	0,095959135	2
1493	P18206-2;P18206;P18206-3;A0A096I	Vinculin	VCL	CTSD/PBS	VCL	not considered/background	-0,221808248	-0,195599575	2
1496	P18669;P15259;Q8N0Y7	Phosphoglycerate mutase 1	PGAM1	CTSD/PBS	PGAM1	not considered/background	-0,295889413	-0,481608943	2
1497	P18827;E9PHH3;H7C1K4	Syndecan-1	SDC1	CTSD/PBS	SDC1	not considered/background	-0,49946306	0,051399153	2
1498	P19021-6;P19021;P19021-5;P19021-	Peptidyl-glycine alpha-amidating monooxygenase;Peptidylglycine alpha-hydroxylating monooxy	PAM	CTSD/PBS	PAM	not considered/background	0,417271945	0,099896392	2
1499	P19086	Guanine nucleotide-binding protein G(z) subunit alpha	GNAZ	CTSD/PBS	GNAZ	not considered/background	-0,103053953	-0,07956585	2
1500	P19338;H7BY16;C9JYW2;C9JLB1;C9J	Nucleolin	NCL	CTSD/PBS	NCL	not considered/background	-0,223559071	0,237115456	2
1501	P19367;P19367-4;P19367-2;P19367-	Hexokinase-1	HK1	CTSD/PBS	HK1	not considered/background	0,100439479	0,148001163	2
1502	P19623;K7EL89;K7EKM4	Spermidine synthase	SRM	CTSD/PBS	SRM	not considered/background			0
1503	P19634;B1ALD5;P19634-2	Sodium/hydrogen exchanger 1	SLC9A1	CTSD/PBS	SLC9A1	not considered/background			0
1504	P20020-4;P20020-1;P20020-6;P2002	Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase	ATP2B1	CTSD/PBS	ATP2B1	not considered/background	-0,094202419	-0,019203734	2
1506	P20073-2;P20073	Annexin A7	ANXA7	CTSD/PBS	ANXA7	not considered/background		-0,325040955	1
1507	P20336;S4R3Q3;M0R257	Ras-related protein Rab-3A	RAB3A	CTSD/PBS	RAB3A	not considered/background	-0,022844657	0,065355181	2
1508	P20337	Ras-related protein Rab-3B	RAB3B	CTSD/PBS	RAB3B	not considered/background	0,190045887	0,168333505	2
1509	P20338;A0A087WYT5	Ras-related protein Rab-4A	RAB4A	CTSD/PBS	RAB4A	not considered/background	-0,005550613		1
1510	P20339-2;P20339;F8VV20;F8WCY6;F8	Ras-related protein Rab-5A	RAB5A	CTSD/PBS	RAB5A	not considered/background	-0,010250611	0,074957633	2
1513	P20618	Proteasome subunit beta type-1	PSMB1	CTSD/PBS	PSMB1	not considered/background	0,012497163	0,035313042	2
1514	P20645;F5GX30;H0YF90;F5H4U1;H0Y	Cation-dependent mannose-6-phosphate receptor	M6PR	CTSD/PBS	M6PR	not considered/background	-0,210379242	-0,117695043	2
1515	P21266;A0A0A0MTN3	Glutathione S-transferase Mu 3	GSTM3	CTSD/PBS	GSTM3	not considered/background	-0,090372805	0,064449733	2
1516	P21281;H0YC04;C9JL73;P15313;E5RC	V-type proton ATPase subunit B, brain isoform	ATP6V1B2	CTSD/PBS	ATP6V1B2	not considered/background	-0,108969732	-0,073134705	2
1517	P21283;E7EV59	V-type proton ATPase subunit C 1	ATP6V1C1	CTSD/PBS	ATP6V1C1	not considered/background	-0,083920868	-0,10634832	2
1518	P21291;E9P542;E9PP21;E9PND2	Cysteine and glycine-rich protein 1	CSRP1	CTSD/PBS	CSRP1	not considered/background	-0,079020773	0,001948954	2
1519	P21333-2;P21333;Q60FE5;A0A087W	Filamin-A	FLNA	CTSD/PBS	FLNA	not considered/background	-0,589897736	-0,481402283	2
1520	P21399	Cytoplasmic aconitate hydratase	ACO1	CTSD/PBS	ACO1	not considered/background	-0,873000721		1
1521	P21796;C9JI87	Voltage-dependent anion-selective channel protein 1	VDAC1	CTSD/PBS	VDAC1	not considered/background	0,056167306	0,149344574	2
1522	P21912;A0A087WWT1;A0A087WXX8	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	SDHB	CTSD/PBS	SDHB	not considered/background	0,179128829	0,152740659	2
1523	P21953	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	BCKDHB	CTSD/PBS	BCKDHB	not considered/background			0
1524	P21964-2;P21964;E7EMS6;E7EUU8;F8	Catechol O-methyltransferase	COMT	CTSD/PBS	COMT	not considered/background	-0,328344301	-0,133168933	2
1525	P22033	Methylmalonyl-CoA mutase, mitochondrial	MUT	CTSD/PBS	MUT	not considered/background	0,311503115	0,240349856	2
1526	P22059	Oxysterol-binding protein 1	OSBP	CTSD/PBS	OSBP	not considered/background		0,071724438	1
1527	P22102;P22102-2;C9JBJ1;C9JTV6;F8V	Trifunctional purine biosynthetic protein adenosine-3;Phosphoribosylamine--glycine ligase;Phos	GART	CTSD/PBS	GART	not considered/background	-0,074061328	-0,221444053	2
1528	P22234;P22234-2;E9PBS1;D6RF62	Multifunctional protein ADE2;Phosphoribosylaminoimidazole-succinocarboxamide synthase;Ph	PAICS	CTSD/PBS	PAICS	not considered/background	-0,895099793	-0,324925784	2
1529	P22303;P22303-3;P22303-4;P22303-	Acetylcholinesterase;Carboxylic ester hydrolase	ACHE	CTSD/PBS	ACHE	not considered/background	0,566961242	0,207227922	2
1530	P22304;B3KWA1;P22304-2;P22304-3	Iduronate 2-sulfatase;Iduronate 2-sulfatase 42 kDa chain;Iduronate 2-sulfatase 14 kDa chain	IDS	CTSD/PBS	IDS	not considered/background	0,082975027		1
1531	P22307-4;P22307-7;P22307-8;P2230	Non-specific lipid-transfer protein	SCP2	CTSD/PBS	SCP2	not considered/background	0,079702372	-0,140386032	2
1532	P22314-2;P22314;Q5JRR6;Q5JRR9;Q5	Ubiquitin-like modifier-activating enzyme 1	UBA1	CTSD/PBS	UBA1	not considered/background	-0,072786192	0,057106456	2
1533	P22392-2;Q32Q12;J3KPD9;P22392;E	Nucleoside diphosphate kinase B;Nucleoside diphosphate kinase	NME2;NME1-NME2;NME1	CTSD/PBS	NME2	not considered/background	-0,133827895	-0,276556218	2
1535	P22626;P22626-2;A0A087WUI2	Heterogeneous nuclear ribonucleoproteins A2/B1	HNRNPA2B1	CTSD/PBS	HNRNPA2B1	not considered/background	0,07231164	-0,030547964	2
1536	P22676;H3BN14;A6NER6;H3BMN5	Calretinin	CALB2	CTSD/PBS	CALB2	not considered/background	0,128293401	-0,150689643	2
1537	P22694;P22694-2;P22694-3;P22694-	cAMP-dependent protein kinase catalytic subunit beta	PRKACB	CTSD/PBS	PRKACB	not considered/background	-0,415152919	-0,528671329	2
1538	P22695;H3BRG4;H3BSJ9;H3BP04;H3E	Cytochrome b-c1 complex subunit 2, mitochondrial	UQCRC2	CTSD/PBS	UQCRC2	not considered/background	0,249263286	0,031061395	2
1539	P23229-4;P23229-2;P23229-5;P2322	Integrin alpha-6;Integrin alpha-6 heavy chain;Integrin alpha-6 light chain;Processed integrin alph	ITGA6	CTSD/PBS	ITGA6	not considered/background			0
1540	P23246;P23246-2;H0Y9K7	Splicing factor, proline- and glutamine-rich	SFPQ	CTSD/PBS	SFPQ	not considered/background	0,249384659	0,673117551	2
1541	P23284	Peptidyl-prolyl cis-trans isomerase B	PPIB	CTSD/PBS	PPIB	not considered/background	0,210638228	0,242840173	2
1542	P23381;P23381-2;G3V3Y5;G3V3H8;G	Tryptophan--tRNA ligase, cytoplasmic;T1-TrpRS;T2-TrpRS	WARS	CTSD/PBS	WARS	not considered/background	-0,055096588	-0,262673687	2
1543	P23396;P23396-2;E9PPU1;E9PL09;F2	40S ribosomal protein S3	RPS3	CTSD/PBS	RPS3	not considered/background	-0,09511133	-0,433173124	2
1544	P23435	Cerebellin-1;Cerebellin;[des-Ser1]-cerebellin	CBLN1	CTSD/PBS	CBLN1	not considered/background			0
1545	P23526;P23526-2	Adenosylhomocysteinase	AHCY	CTSD/PBS	AHCY	not considered/background	-0,033200415	-0,006477564	2
1546	P23528;G3V1A4;E9PP50;E9PK25;E9P	Cofilin-1	CFL1	CTSD/PBS	CFL1	not considered/background	-0,207894294	-0,260868739	2
1548	P23634-5;P23634-4;P23634-3;P2363	Plasma membrane calcium-transporting ATPase 4	ATP2B4	CTSD/PBS	ATP2B4	not considered/background	-0,255718326	-0,03562391	2
1549	P23786;A0A1B0GVF3;A0A1B0GV75;A	Carnitine O-palmitoyltransferase 2, mitochondrial	CPT2	CTSD/PBS	CPT2	not considered/background	0,239398042	0,166373134	2
1550	P24534;C9JZW3;F8WF65;F2Z2G2	Elongation factor 1-beta	EEF1B2	CTSD/PBS	EEF1B2	not considered/background	0,348685669	-0,006190289	2
1551	P24539;Q5QNZ2	ATP synthase F(0) complex subunit B1, mitochondrial	ATP5F1	CTSD/PBS	ATP5F1	not considered/background	0,286999397	0,247217161	2
1552	P24593;C9JXX4	Insulin-like growth factor-binding protein 5	IGFBP5	CTSD/PBS	IGFBP5	not considered/background			0
1553	P24666;G5E9R5;P24666-4;F2Z2Q9;P2	Low molecular weight phosphotyrosine protein phosphatase	ACP1	CTSD/PBS	ACP1	not considered/background	-0,020779469	0,154811065	2
1554	P24752;A0A5F9ZHL1;A0A5F9ZHJ7;A0	Acetyl-CoA acetyltransferase, mitochondrial	ACAT1	CTSD/PBS	ACAT1	not considered/background	0,018206857	0,008203359	2
1555	P25398	40S ribosomal protein S12	RPS12	CTSD/PBS	RPS12	not considered/background		-0,47902356	1
1556	P25685;P25685-2;M0R080;M0R1D6;I	DnaJ homolog subfamily B member 1	DNAJB1	CTSD/PBS	DNAJB1	not considered/background	-0,007028591		1
1557	P25686;C9JRD2;C9JXB9;P25686-2;C9	DnaJ homolog subfamily B member 2	DNAJB2	CTSD/PBS	DNAJB2	not considered/background		0,157978591	1
1558	P25705;P25705-2;P25705-3;K7EK77;	ATP synthase subunit alpha, mitochondrial	ATP5A1	CTSD/PBS	ATP5A1	not considered/background	0,185486004	0,247456911	2
1559	P25786;P25786-2;F5GX11;B4DEV8	Proteasome subunit alpha type-1	PSMA1	CTSD/PBS	PSMA1	not considered/background	0,291014101	0,029676413	2
1560	P25788-2;P25788;G3V4X5;G3V3W4;(	Proteasome subunit alpha type-3	PSMA3	CTSD/PBS	PSMA3	not considered/background	0,28936234	0,243437807	2
1561	P26006;P26006-1;K7EMU3;H0YA32;D	Integrin alpha-3;Integrin alpha-3 heavy chain;Integrin alpha-3 light chain	ITGA3	CTSD/PBS	ITGA3	not considered/background	0,059770581	-0,004896843	2
1562	P26038;V9GZ54;E9PNP4	Moesin	MSN	CTSD/PBS	MSN	not considered/background	-0,295128036	-0,191183609	2
1563	P26196;Q8IV96	Probable ATP-dependent RNA helicase DDX6	DDX6	CTSD/PBS	DDX6	not considered/background			0
1564	P26232;P26232-2;P26232-5;P26232-	Catenin alpha-2	CTNNA2	CTSD/PBS	CTNNA2	not considered/background	-0,130254909	0,101954214	2
1565	P26373;P26373-2;J3QSB4;H3BTH3;J3	60S ribosomal protein L13	RPL13	CTSD/PBS	RPL13	not considered/background	0,025028794	0,089574327	2
1566	P26639;P26639-2;D6RCA5;D6R9F8;D	Threonine--tRNA ligase, cytoplasmic	TARS	CTSD/PBS	TARS	not considered/background	-0,174002766	0,14088917	2
1567	P26640;A0A140T936;A2ABF4;A0A0G2	Valine--tRNA ligase	VARS	CTSD/PBS	VARS	not considered/background		0,248930535	1
1568	P26641;P26641-2	Elongation factor 1-gamma	EEF1G	CTSD/PBS	EEF1G	not considered/background	0,300065137	0,005782353	2
1569	P26992;Q5T8H6	Ciliary neurotrophic factor receptor subunit alpha	CNTFR	CTSD/PBS	CNTFR	not considered/background	-0,326063731	0,042605385	2
1570	P27037-2;P27037	Activin receptor type-2A	ACVR2A	CTSD/PBS	ACVR2A	not considered/background			0
1571	P27144;F8VS11	Adenylate kinase 4, mitochondrial	AK4	CTSD/PBS	AK4	not considered/background	0,64117606	0,392534745	2
1572	P27338;P27338-2;P21397-2;P21397	Amine oxidase [flavin-containing] B	MAOB	CTSD/PBS	MAOB	not considered/background	0,095721922	-0,164271398	2
1573	P27348;E9PG15	14-3-3 protein theta	YWHAQ	CTSD/PBS	YWHAQ	not considered/background	-0,040289186	-0,025595836	2
1575	P27544-2;P27544;M0R0T2;Q5XG75	Ceramide synthase 1	CERS1;LASS1	CTSD/PBS	CERS1	not considered/background	0,396378727	0,18657382	2
1576	P27797;K7EJ89;K7EL50	Calreticulin	CALR	CTSD/PBS	CALR	not considered/background	0,014783753	0,076797563	2
1578	P27824;P27824-2;P27824-3;H0Y9Q7;	Calnexin	CANX	CTSD/PBS	CANX	not considered/background	-0,03935485	-0,074368422	2
1579	P28066;P28066-2	Proteasome subunit alpha type-5	PSMA5	CTSD/PBS	PSMA5	not considered/background	0,153935011	0,235433032	2
1580	P28070	Proteasome subunit beta type-4	PSMB4	CTSD/PBS	PSMB4	not considered/background	0,180784391	0,182687825	2
1581	P28072;I3L3X7;A0A087X2I4	Proteasome subunit beta type-6	PSMB6	CTSD/PBS	PSMB6	not considered/background	0,147046143	-0,067776372	2
1582	P28074;P28074-3;H0YJM8;P28074-2	Proteasome subunit beta type-5	PSMB5	CTSD/PBS	PSMB5	not considered/background	0,323312418	0,200929277	2
1584	P28331-4;P28331;P28331-2;P28331-	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUFS1	CTSD/PBS	NDUFS1	not considered/background	-0,061465781	-0,011352507	2
1585	P28482;P28482-2;E9PBK7;B3KR49;H(	Mitogen-activated protein kinase 1	MAPK1	CTSD/PBS	MAPK1	not considered/background	-0,109452137	0,071148385	2
1586	P28838-2;P28838;H0Y9Q1;H0Y983	Cytosol aminopeptidase	LAP3	CTSD/PBS	LAP3	not considered/background	-0,164350751	-0,014926544	2
1587	P29120;P29120-2;D6RJA3	Neuroendocrine convertase 1	PCSK1	CTSD/PBS	PCSK1	not considered/background	0,085424656	0,053718298	2
1588	P29218;P29218-3;H0YBL1;E5RIP7;E5I	Inositol monophosphatase 1	IMPA1	CTSD/PBS	IMPA1	not considered/background	-0,024575246	-0,091395186	2
1589	P29323-2;P29323-3;P29323;B1AKC9;	Ephrin type-B receptor 2;Receptor protein-tyrosine kinase	EPHB2	CTSD/PBS	EPHB2	not considered/background	-0,089159907	0,114128928	2
1590	P29373;Q5SYZ4	Cellular retinoic acid-binding protein 2	CRABP2	CTSD/PBS	CRABP2	not considered/background			0
1591	P29401;P29401-2;A0A0B4J1R6;E9PFF	Transketolase	TKT	CTSD/PBS	TKT	not considered/background	-0,037517607	-0,199750857	2
1592	P29762;B5MCB5	Cellular retinoic acid-binding protein 1	CRABP1	CTSD/PBS	CRABP1	not considered/background	-1,093078627	-1,248595554	2
1593	P29966	Myristoylated alanine-rich C-kinase substrate	MARCKS	CTSD/PBS	MARCKS	not considered/background	0,064193062	0,264079295	2
1594	P29992;K7EL62;A0A087WVZ3	Guanine nucleotide-binding protein subunit alpha-11	GNA11	CTSD/PBS	GNA11	not considered/background	0,066123642	-0,076559095	2
1595	P30038;P30038-2;P30038-3;Q5TF55	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	ALDH4A1	CTSD/PBS	ALDH4A1	not considered/background	0,143915803	0,313136464	2
1596	P30040;F8VY02;F8W1G0;P30040-2	Endoplasmic reticulum resident protein 29	ERP29	CTSD/PBS	ERP29	not considered/background	0,239520247	0,155405451	2
1597	P30041	Peroxiredoxin-6	PRDX6	CTSD/PBS	PRDX6	not considered/background	-0,273430322	-0,21549223	2
1598	P30044-2;P30044;P30044-3;P30044-	Peroxiredoxin-5, mitochondrial	PRDX5	CTSD/PBS	PRDX5	not considered/background	0,360420466	0,050592067	2

1599	P30046;J3KQ18;P30046-2;A6NHG4;B	D-dopachrome decarboxylase;D-dopachrome decarboxylase-like protein	DDT;DDTL	CTSD/PBS	DDT	not considered/background	-0,188400925	1
1600	P30048-2;P30048	Thioredoxin-dependent peroxide reductase, mitochondrial	PRDX3	CTSD/PBS	PRDX3	not considered/background	0,254110242	0,245796604	2
1601	P30049	ATP synthase subunit delta, mitochondrial	ATP5D	CTSD/PBS	ATP5D	not considered/background		0,36071226	1
1602	P30050;P30050-2	60S ribosomal protein L12	RPL12	CTSD/PBS	RPL12	not considered/background	-0,097841502	0,094048423	2
1603	P30084	Enoyl-CoA hydratase, mitochondrial	ECHS1	CTSD/PBS	ECHS1	not considered/background	0,047677975	0,086982323	2
1604	P30085;P30085-3;Q5T0D2;P30085-2;	UMP-CMP kinase	CMPK1	CTSD/PBS	CMPK1	not considered/background	-0,171173473	-0,097610797	2
1605	P30086	Phosphatidylethanolamine-binding protein 1;Hippocampal cholinergic neurostimulating peptic	PEBP1	CTSD/PBS	PEBP1	not considered/background	-0,060577816	-0,117030053	2
1606	P30101	Protein disulfide-isomerase A3	PDIA3	CTSD/PBS	PDIA3	not considered/background	0,149649582	0,136917908	2
1607	P30153;B3KQV6;C9J9C1;E9PH38;P30	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	PPP2R1A	CTSD/PBS	PPP2R1A	not considered/background	-0,055141554	-0,107420059	2
1608	P30405;E9PKY5;E9PEQ6;Q9UNP9-2;Q	Peptidyl-prolyl cis-trans isomerase F, mitochondrial;Peptidyl-prolyl cis-trans isomerase;Peptidyl-	PPIF;PPIE	CTSD/PBS	PPIF	not considered/background			0
1609	P30419;K7EN42;B7Z8J4;P30419-2;Q5	Glycylpeptide N-tetradecanoyltransferase 1;Glycylpeptide N-tetradecanoyltransferase;Glycylpep	NMT1;NMT2	CTSD/PBS	NMT1	not considered/background		-0,040541794	1
1610	P30519;P30519-2;A0A087WT44;I3L1	Heme oxygenase 2	HMOX2	CTSD/PBS	HMOX2	not considered/background	0,079838881	0,005072768	2
1611	P30520	Adenylosuccinate synthetase isozyme 2	ADSS	CTSD/PBS	ADSS	not considered/background	-0,288769428	-0,405338916	2
1612	P30533;A0A3B3IRQ7	Alpha-2-macroglobulin receptor-associated protein	LRPAP1	CTSD/PBS	LRPAP1	not considered/background	0,207268173	-0,136060107	2
1613	P30837;A0A0U1RQK9;P47895;H0YKP	Aldehyde dehydrogenase X, mitochondrial	ALDH1B1	CTSD/PBS	ALDH1B1	not considered/background	0,3887957	0,503547877	2
1614	P31040;P31040-2;D6RFM5;P31040-3	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	CTSD/PBS	SDHA	not considered/background	0,281193775	0,154602284	2
1615	P31146;H3BRY3;H3BTU6;H3BRJ0;H3B	Coronin-1A;Coronin	CORO1A	CTSD/PBS	CORO1A	not considered/background	0,085424656	0,010904601	2
1616	P31150;G5E9U5	Rab GDP dissociation inhibitor alpha	GDI1	CTSD/PBS	GDI1	not considered/background	-0,031105619	-0,154064674	2
1617	P31153;P31153-2;Q00266	S-adenosylmethionine synthase isoform type-2	MAT2A	CTSD/PBS	MAT2A	not considered/background	0,284514133	-0,541415716	2
1618	P31323	cAMP-dependent protein kinase type II-beta regulatory subunit	PRKAR2B	CTSD/PBS	PRKAR2B	not considered/background	-0,043259345	-0,245495663	2
1619	P31689-2;P31689	DnaJ homolog subfamily A member 1	DNAJA1	CTSD/PBS	DNAJA1	not considered/background		-0,453227826	1
1620	P31930	Cytochrome b-c1 complex subunit 1, mitochondrial	UQCRC1	CTSD/PBS	UQCRC1	not considered/background	0,195221593	0,165612385	2
1621	P31937;H7BZL2	3-hydroxyisobutyrate dehydrogenase, mitochondrial	HIBADH	CTSD/PBS	HIBADH	not considered/background	0,160533009	0,071436383	2
1622	P31939-2;P31939;C9JLK0;H7C1S2;F8	Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxamide forr	ATIC	CTSD/PBS	ATIC	not considered/background	-0,007043089	-0,088955682	2
1623	P31942-3;P31942-2;P31942;P31942-	Heterogeneous nuclear ribonucleoprotein H3	HNRNPH3	CTSD/PBS	HNRNPH3	not considered/background		-0,01834931	1
1624	P31946-2;P31946;Q4VY20;Q4VY19;A(	14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	YWHAB	CTSD/PBS	YWHAB	not considered/background	-0,017694521	-0,181038924	2
1626	P31948;P31948-2;P31948-3;F5H783;	Stress-induced-phosphoprotein 1	STIP1	CTSD/PBS	STIP1	not considered/background	-0,13196125	-0,241840184	2
1627	P32004;P32004-3;P32004-2;H0Y5C3;	Neural cell adhesion molecule L1	L1CAM	CTSD/PBS	L1CAM	not considered/background	-0,172050935	0,030118284	2
1628	P32119;A6NIW5;P32119-2	Peroxiredoxin-2	PRDX2	CTSD/PBS	PRDX2	not considered/background	0,016924144	0,053673376	2
1629	P32189-1;P32189-4;P32189-2;P3218	Glycerol kinase;Putative glycerol kinase 3	GK;GK3P	CTSD/PBS	GK	not considered/background	0,485323774		1
1630	P32322;P32322-3;E2QRB3;P32322-2;	Pyrroline-5-carboxylate reductase 1, mitochondrial;Pyrroline-5-carboxylate reductase	PYCR1	CTSD/PBS	PYCR1	not considered/background	0,643394453	0,627471303	2
1631	P32418-5;P32418;P32418-2;P32418-	Sodium/calcium exchanger 1	SLC8A1	CTSD/PBS	SLC8A1	not considered/background	-0,300537206	-0,397145797	2
1632	P32929;P32929-3;P32929-2	Cystathionine gamma-lyase	CTH	CTSD/PBS	CTH	not considered/background		0,030191942	1
1633	P33176	Kinesin-1 heavy chain	KIF5B	CTSD/PBS	KIF5B	not considered/background			0
1634	P33316;P33316-2;H0YNW5;H0YKC5;H	Deoxyuridine 5-triphosphate nucleotidohydrolase, mitochondrial	DUT	CTSD/PBS	DUT	not considered/background	0,669661774	0,358342999	2
1635	P34059;H3BP66	N-acetylgalactosamine-6-sulfatase	GALNS	CTSD/PBS	GALNS	not considered/background			0
1636	P34897;P34897-3;P34897-2;G3V2Y4;	Serine hydroxymethyltransferase, mitochondrial;Serine hydroxymethyltransferase	SHMT2	CTSD/PBS	SHMT2	not considered/background	0,501719377	0,5316565	2
1637	P34903	Gamma-aminobutyric acid receptor subunit alpha-3	GABRA3	CTSD/PBS	GABRA3	not considered/background		0,15707747	1
1639	P34932;A0A087WYC1;A0A087WTS8;F	Heat shock 70 kDa protein 4	HSPA4	CTSD/PBS	HSPA4	not considered/background	-0,203933907	-0,034779158	2
1640	P35052;H7BZL4;H7C024;H7C410	Glypican-1;Secreted glypican-1	GPC1	CTSD/PBS	GPC1	not considered/background			0
1641	P35221;P35221-2;G3XAM7;E5RIB1;E5	Catenin alpha-1	CTNNA1	CTSD/PBS	CTNNA1	not considered/background	-0,628140085		1
1642	P35232;C9JW96;C9JZ20;E7ESE2;E9PC	Prohibitin	PHB	CTSD/PBS	PHB	not considered/background	0,262673687	0,347068432	2
1643	P35475;P35475-2;D6R9D5;H0Y9R9	Alpha-L-iduronidase	IDUA	CTSD/PBS	IDUA	not considered/background			0
1646	P35579-2;P35579	Myosin-9	MYH9	CTSD/PBS	MYH9	not considered/background			0
1647	P35580-4;P35580-3;P35580-2;P3558	Myosin-10	MYH10	CTSD/PBS	MYH10	not considered/background	-0,207794319	0,042560808	2
1648	P35606;P35606-2;H0YAC7	Coatomer subunit beta	COPB2	CTSD/PBS	COPB2	not considered/background	-0,07943229	0,268712471	2
1649	P35612;P35612-2;P35612-8;P35612-	Beta-adducin	ADD2	CTSD/PBS	ADD2	not considered/background	-0,270364575	-0,07956585	2
1650	P35613-2;P35613;P35613-4;A0A087	Basigin	BSG	CTSD/PBS	BSG	not considered/background	0,098689044	0,002454669	2
1652	P35754	Glutaredoxin-1	GLRX	CTSD/PBS	GLRX	not considered/background			0
1653	P35813;P35813-3;P35813-2;E9PL75;I	Protein phosphatase 1A	PPM1A	CTSD/PBS	PPM1A	not considered/background	0,07121349	-0,114766793	2
1654	P35914	Hydroxymethylglutaryl-CoA lyase, mitochondrial	HMGCL	CTSD/PBS	HMGCL	not considered/background			0
1655	P35998;P35998-2;C9JLS9	26S protease regulatory subunit 7	PSMC2	CTSD/PBS	PSMC2	not considered/background	0,01235413	0,10234135	2
1656	P36021	Monocarboxylate transporter 8	SLC16A2	CTSD/PBS	SLC16A2	not considered/background	-0,129686577		1
1657	P36404;V9GYD0;P36404-2	ADP-ribosylation factor-like protein 2	ARL2	CTSD/PBS	ARL2	not considered/background	0,261951979		1
1658	P36405	ADP-ribosylation factor-like protein 3	ARL3	CTSD/PBS	ARL3	not considered/background	0,01592569	-0,260025656	2
1660	P36507;G5E9C7;A0A1B0GUL7;M0R1B	Dual specificity mitogen-activated protein kinase kinase 2	MAP2K2	CTSD/PBS	MAP2K2	not considered/background		-0,365132593	1
1661	P36542;P36542-2	ATP synthase subunit gamma, mitochondrial	ATP5C1	CTSD/PBS	ATP5C1	not considered/background	0,320657964	0,319729661	2
1662	P36543;P36543-2;P36543-3;C9J8H1;	V-type proton ATPase subunit E 1	ATP6V1E1	CTSD/PBS	ATP6V1E1	not considered/background	-0,043140421	-0,017494379	2
1663	P36551;H0YA22;P36551-2;D6RER6	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	CPOX	CTSD/PBS	CPOX	not considered/background	0,524565221	0,231769086	2
1664	P36578;H3BM89;H3BTP7;H3BU31	60S ribosomal protein L4	RPL4	CTSD/PBS	RPL4	not considered/background	-0,04253109	0,114191388	2
1665	P36915;A2AB27;A0A140T8Y2;P36915	Guanine nucleotide-binding protein-like 1	GNL1	CTSD/PBS	GNL1	not considered/background	-0,269720899	-0,042364175	2
1666	P36957;P36957-2;Q86SW4;H0YJF9;G	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase cor	DLST	CTSD/PBS	DLST	not considered/background	0,28853575	0,182032992	2
1667	P37108;H0YLA2	Signal recognition particle 14 kDa protein	SRP14	CTSD/PBS	SRP14	not considered/background	-0,024854095		1
1668	P37235;E9PC71;P84074;H7BZC1;C9J	Hippocalcin-like protein 1;Neuron-specific calcium-binding protein hippocalcin	HPCAL1;HPCA	CTSD/PBS	HPCAL1	not considered/background	0,139338514	0,004450358	2
1669	P37268;P37268-2;E9PNM1;A0A1W2P	Squalene synthase	FDFT1	CTSD/PBS	FDFT1	not considered/background	0,205517633	0,045982409	2
1670	P37802-2;P37802;X6RJP6	Transgelin-2	TAGLN2	CTSD/PBS	TAGLN2	not considered/background	0,070938821	0,108129798	2
1671	P37837;F2Z393;E9PM01;E9PKI8	Transaldolase	TALDO1	CTSD/PBS	TALDO1	not considered/background	0,149519521	0,047055188	2
1672	P38117-2;P38117;M0QY67	Electron transfer flavoprotein subunit beta	ETFB	CTSD/PBS	ETFB	not considered/background	0,476537226	0,214290436	2
1673	P38405-2;P38405;K7EQ80;K7EPE2	Guanine nucleotide-binding protein G(olf) subunit alpha	GNAL	CTSD/PBS	GNAL	not considered/background	-0,042858016	-0,053250385	2
1674	P38606-2;P38606;C9JVW8;C9JA17	V-type proton ATPase catalytic subunit A	ATP6V1A	CTSD/PBS	ATP6V1A	not considered/background	-0,065989332	-0,189792938	2
1675	P38646;A0A3B3IT14;D6RJI2;H0YBG6;E	Stress-70 protein, mitochondrial	HSPA9	CTSD/PBS	HSPA9	not considered/background	0,21350282	0,276537549	2
1676	P39019;M0R2L9;M0QYF7;M0R140;A0	40S ribosomal protein S19	RPS19	CTSD/PBS	RPS19	not considered/background		0,006289413	1
1677	P39023;G5E9G0;B5MCW2;H7C422;H	60S ribosomal protein L3	RPL3	CTSD/PBS	RPL3	not considered/background	0,140386032	0,098134879	2
1679	P40227;P40227-2;J3KRI6	T-complex protein 1 subunit zeta	CCT6A	CTSD/PBS	CCT6A	not considered/background	-0,11130545	-0,061292338	2
1681	P40763-3;P40763-2;P40763;G8JLH9	Signal transducer and activator of transcription 3;Signal transducer and activator of transcriptio	STAT3	CTSD/PBS	STAT3	not considered/background			0
1682	P40925;P40925-3;P40925-2;A0A5K1	Malate dehydrogenase, cytoplasmic	MDH1	CTSD/PBS	MDH1	not considered/background	-0,224131917	-0,197236355	2
1683	P40926;P40926-2;G3XAL0	Malate dehydrogenase, mitochondrial;Malate dehydrogenase	MDH2	CTSD/PBS	MDH2	not considered/background	0,386148755	0,303365132	2
1684	Q2VIR3;P41091;Q2VIR3-2;H7BZU1	Putative eukaryotic translation initiation factor 2 subunit 3-like protein;Eukaryotic translation ir	EIF2S3L;EIF2S3	CTSD/PBS	EIF2S3L	not considered/background			0
1685	U3KQG5;P41217-2;P41217;P41217-3	OX-2 membrane glycoprotein	CD200	CTSD/PBS	CD200	not considered/background	-0,135348305	-0,071488106	2
1686	Q6NXS1;P41236;E7EUI7;E7EMN6	Protein phosphatase inhibitor 2-like protein 3;Protein phosphatase inhibitor 2	PPP1R2P3;PPP1R2	CTSD/PBS	PPP1R2P3	not considered/background			0
1687	P41240	Tyrosine-protein kinase CSK	CSK	CTSD/PBS	CSK	not considered/background			0
1688	P41250;A0A6Q8PGZ8;A0A6Q8PGA8;A	Glycine--tRNA ligase	GARS	CTSD/PBS	GARS	not considered/background	0,083792032	0,021452894	2
1689	P41252;A0A0AMSX9;J3KR24	Isoleucine--tRNA ligase, cytoplasmic	IARS	CTSD/PBS	IARS	not considered/background	0,242815884	0,256562587	2
1691	P42025	Beta-centractin	ACTR1B	CTSD/PBS	ACTR1B	not considered/background	-0,22392971	0,014703602	2
1692	P42126-2;P42126;H3BS70;Q96DC0	Enoyl-CoA delta isomerase 1, mitochondrial	ECI1;DCI	CTSD/PBS	ECI1	not considered/background	0,131721171	0,207311202	2
1694	P42262;P42262-3;P42262-2;P42262-	Glutamate receptor 2	GRIA2	CTSD/PBS	GRIA2	not considered/background	0,055195654	-0,045303168	2
1695	P42345	Serine/threonine-protein kinase mTOR	MTOR	CTSD/PBS	MTOR	not considered/background			0
1696	P42574;C9JXR7;A8MVM1	Caspase-3;Caspase-3 subunit p17;Caspase-3 subunit p12	CASP3	CTSD/PBS	CASP3	not considered/background		-0,123268887	1
1697	P42658-2;E9PDL2;E9PF59;P42658;A0	Dipeptidyl aminopeptidase-like protein 6	DPP6	CTSD/PBS	DPP6	not considered/background	-0,075991355	0,071466702	2
1698	P42704;A0A0C4DG06;B8ZZ38;C9JCA9	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	CTSD/PBS	LRPPRC	not considered/background	0,113300436	0,207511093	2
1699	P42766;F2Z388	60S ribosomal protein L35	RPL35	CTSD/PBS	RPL35	not considered/background			0
1700	P42785;P42785-2;E9PQB5;E9PL85;E9	Lysosomal Pro-X carboxypeptidase	PRCP	CTSD/PBS	PRCP	not considered/background	-0,354298341	-0,446467986	2
1701	P42857-2;P42857	Neuron-specific protein family member 1	NSG1	CTSD/PBS	NSG1	not considered/background			0
1702	P43005;H0Y7R2	Excitatory amino acid transporter 3;Amino acid transporter	SLC1A1	CTSD/PBS	SLC1A1	not considered/background			0
1703	P43007;P43007-2	Neutral amino acid transporter A	SLC1A4	CTSD/PBS	SLC1A4	not considered/background		-0,638120188	1
1704	P43034;A0A6Q8PFU3;A0A6Q8PFT2;A(	Platelet-activating factor acetylhydrolase IB subunit alpha	PAFAH1B1	CTSD/PBS	PAFAH1B1	not considered/background	0,113833829	0,015330452	2
1705	P43121;P43121-2	Cell surface glycoprotein MUC18	MCAM	CTSD/PBS	MCAM	not considered/background	0,360532839	0,522447003	2
1706	P43155-2;P43155;P43155-3;H0Y4Z7;	Carnitine O-acetyltransferase	CRAT	CTSD/PBS	CRAT	not considered/background	0,225028083	0,281491509	2
1707	P43304;P43304-2;F5GYK7	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	CTSD/PBS	GPD2	not considered/background	0,113300436	0,32765613	2
1708	P43490;A0A0C4DFS8	Nicotinamide phosphoribosyltransferase	NAMPT	CTSD/PBS	NAMPT	not considered/background	-0,158864169	0,042308229	2
1709	P43686-2;P43686	26S protease regulatory subunit 6B	PSMC4	CTSD/PBS	PSMC4	not considered/background		-0,07819992	1
1710	P43897;P43897-2;C9JT21;C9JG32;F8	Elongation factor Ts, mitochondrial;Elongation factor Ts	TSFM	CTSD/PBS	TSFM	not considered/background	0,032383005		1
1711	P45880;P45880-2;P45880-1;A0A0A0	Voltage-dependent anion-selective channel protein 2	VDAC2	CTSD/PBS	VDAC2	not considered/background	0,141694362	0,0936789	2
1712	P45954;P45954-2	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial	ACADSB	CTSD/PBS	ACADSB	not considered/background	0,10634832	0,13704482	2
1713	P45974-2;P45974;F5H571;H7C5J3;Q5	Ubiquitin carboxyl-terminal hydrolase 5	USP5	CTSD/PBS	USP5	not considered/background	-0,413019139	-0,312432837	2
1714	P46108-2;P46108;I3L297	Adapter molecule crk	CRK	CTSD/PBS	CRK	not considered/background			0
1715	P46109	Crk-like protein	CRKL	CTSD/PBS	CRKL	not considered/background	0,045023522	-0,144437998	2
1716	P46199;H7C213	Translation initiation factor IF-2, mitochondrial	MTIF2	CTSD/PBS	MTIF2	not considered/background	0,300299474		1
1717	P46781	40S ribosomal protein S9	RPS9	CTSD/PBS	RPS9	not considered/background	0,110897723	-0,009777122	2
1718	P46821;D6RA32;D6RA40;D6RGJ3;D6I	Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	MAP1B	CTSD/PBS	MAP1B	not considered/background	-0,118538978	0,051548662	2
1719	P46926;P46926-2;D6RAY7;D6R9P4;D	Glucosamine-6-phosphate isomerase 1;Glucosamine-6-phosphate isomerase	GNPDA1	CTSD/PBS	GNPDA1	not considered/background	-0,015286709	0,061435672	2
1720	P46977;P46977-2;A0A0C4DH80;E9PN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	STT3A	CTSD/PBS	STT3A	not considered/background	0,189413431	0,279826621	2
1721	P47755;F8W9N7;C9JUG7;P47755-2;A	F-actin-capping protein subunit alpha-2	CAPZA2	CTSD/PBS	CAPZA2	not considered/background	-0,060126518	-0,156267163	2
1722	P47756-2;B1AK88;B1AK87;P47756;B	F-actin-capping protein subunit beta	CAPZB	CTSD/PBS	CAPZB	not considered/background	0,063502942	-0,180402507	2
1723	P47897;P47897-2;A0A1B0GVU9;B4DI	Glutamine--tRNA ligase	QARS	CTSD/PBS	QARS	not considered/background	-0,100035551	0,184670506	2
1724	P47985;P0C7P4	Cytochrome b-c1 complex subunit Rieske, mitochondrial;Cytochrome b-c1 complex subunit 11;	UQCRFS1;UQCRFS1P1	CTSD/PBS	UQCRFS1	not considered/background	-0,130428611	0,265084489	2
1725	P48047;A0A494C0K9;H7C0C1;H7C08	ATP synthase subunit O, mitochondrial	ATP5O	CTSD/PBS	ATP5O	not considered/background	0,393855477	0,17871429	2
1726	P48147;A0A499FJL1	Prolyl endopeptidase	PREP	CTSD/PBS	PREP	not considered/background	-0,2187662	-0,222186307	2
1727	P48163;P48163-2	NADP-dependent malic enzyme	ME1	CTSD/PBS	ME1	not considered/background	-0,227979241		1
1728	P48426;P48426-2;H7BXS3	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	PIP4K2A	CTSD/PBS	PIP4K2A	not considered/background		0,09200184	1
1729	P48449;P48449-3;P48449-2;A0A0G2	Lanosterol synthase	LSS	CTSD/PBS	LSS	not considered/background	-0,016555782	-0,197362184	2
1730	P48454;P48454-3;P48454-2;G3V111;	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform;Serine/threonine-prc	PPP3CC	CTSD/PBS	PPP3CC	not considered/background	0,047398789	-0,263154625	2
1731	R4GMR5;P48556;K7EJR3;K7ERW6;K7	26S proteasome non-ATPase regulatory subunit 8	PSMD8	CTSD/PBS	PSMD8	not considered/background			0
1732	P48643;E7ENZ3;B7ZAR1;E9PCA1;P48	T-complex protein 1 subunit epsilon	CCT5	CTSD/PBS	CCT5	not considered/background	0,071488106	0,005782353	2
1733	P48651-3;P48651-2;P48651	Phosphatidylserine synthase 1	PTDSS1	CTSD/PBS	PTDSS1	not considered/background			0
1734	P48723	Heat shock 70 kDa protein 13	HSPA13	CTSD/PBS	HSPA13	not considered/background		0,109732318	1
1735	P48735;P48735-2;H0YL11	Isocitrate dehydrogenase [NADP], mitochondrial	IDH2	CTSD/PBS	IDH2	not considered/background	0,442757758	0,369911434	2
1736	P49006	MARCKS-related protein	MARCKSL1	CTSD/PBS	MARCKSL1	not considered/background	0,446891405	0,324924797	2
1737	P49069;D6RIW3	Calcium signal-modulating cyclophilin ligand	CAMLG	CTSD/PBS	CAMLG	not considered/background	0,295958068	0,191194868	2
1738	P49189;P49189-3;P49189-2	4-trimethylaminobutyraldehyde dehydrogenase	ALDH9A1	CTSD/PBS	ALDH9A1	not considered/background	-0,13799701	-0,098689044	2
1739	P49207	60S ribosomal protein L34	RPL34	CTSD/PBS	RPL34	not considered/background			0
1740	P49257	Protein ERGIC-53	LMAN1	CTSD/PBS	LMAN1	not considered/background	0,231186613	0,151522275	2
1741	P49327;A0A0U1RQF0;A0A0U1RRG3;A	Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-malonyltran	FASN	CTSD/PBS	FASN	not considered/background	-0,010497639	0,244428716	2
1742	P49368;P49368-2;B4DUR8;E9PRC8;Q	T-complex protein 1 subunit gamma	CCT3	CTSD/PBS	CCT3	not considered/background	0,027437183	-0,047398789	2
1743	P49406;S4R3W9;A0A0AMRF4;S4R45	39S ribosomal protein L19, mitochondrial	MRPL19	CTSD/PBS	MRPL19	not considered/background	0,260025656	0,565075592	2
1744	P49411;H3BNU3	Elongation factor Tu, mitochondrial	TUFM	CTSD/PBS	TUFM	not considered/background	0,39154778	0,345692786	2
1745	P49418;P49418-2;H0Y7T8	Amphiphysin	AMPH	CTSD/PBS	AMPH	not considered/background	-0,200481608	-0,067087965	2
1746	P49419-2;A0A1B0GW77;P49419;A0A	Alpha-aminoadipic semialdehyde dehydrogenase	ALDH7A1	CTSD/PBS	ALDH7A1	not considered/background	0,371726122	0,169614855	2
1747	P49441;C9J173;B8ZZF6;E7ET59;E7EU	Inositol polyphosphate 1-phosphatase	INPP1	CTSD/PBS	INPP1	not considered/background			0
1748	P49588;H3BPK7;A0A6Q8PGN5;A0A6C	Alanine--tRNA ligase, cytoplasmic	AARS	CTSD/PBS	AARS	not considered/background	-0,18226215	-0,089904868	2
1749	P49591;Q5TSC7	Serine--tRNA ligase, cytoplasmic	SARS	CTSD/PBS	SARS	not considered/background	-0,203169706	-0,181547856	2

1750	P49720;A0A087WUL2;A0A087WXQ8;	Proteasome subunit beta type-3	PSMB3	CTSD/PBS	PSMB3	not considered/background	0,131589484	0,174539982	2
1751	P49721;A0A087WVV1	Proteasome subunit beta type-2	PSMB2	CTSD/PBS	PSMB2	not considered/background	-0,240963508	0,095558292	2
1752	P49748;P49748-3;P49748-2;G3V1M7	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADVL	CTSD/PBS	ACADVL	not considered/background	0,541911266	0,454881688	2
1753	P49755;G3V2K7	Transmembrane emp24 domain-containing protein 10	TMED10	CTSD/PBS	TMED10	not considered/background	-0,070875598	0,122836871	2
1755	P49768-3;P49768-5;P49768-6;P4976	Presenilin-1;Presenilin-1 NTF subunit;Presenilin-1 CTF subunit;Presenilin-1 CTF12	PSEN1	CTSD/PBS	PSEN1	not considered/background			0
1756	P49773;D6REP8;D6RE99;H0YC49;D6R	Histidine triad nucleotide-binding protein 1	HINT1	CTSD/PBS	HINT1	not considered/background	-0,193304746	-0,464981862	2
1757	P49802-2;P49802-3;P49802-5;P4980	Regulator of G-protein signaling 7	RGS7	CTSD/PBS	RGS7	not considered/background	-0,055156543	-0,335025838	2
1758	P49841-2;P49841;A0A3B3ITW1	Glycogen synthase kinase-3 beta	GSK3B	CTSD/PBS	GSK3B	not considered/background	0,062259894	-0,351176003	2
1759	P50148;B1AM21;Q03113-3;E9PC54;C	Guanine nucleotide-binding protein G(q) subunit alpha	GNAQ	CTSD/PBS	GNAQ	not considered/background	0,143001506	0,150705252	2
1760	P50150	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4	GNG4	CTSD/PBS	GNG4	not considered/background			0
1761	P50213;H0YL72;P50213-2;H0YMU3;H	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	IDH3A	CTSD/PBS	IDH3A	not considered/background	0,337996464	-0,044883678	2
1762	P50395;P50395-2;Q5SX87;V9GYF8;Q	Rab GDP dissociation inhibitor beta	GDI2	CTSD/PBS	GDI2	not considered/background	0,01834931	-0,084608575	2
1763	P50402;Q5HY57;F8WEQ1	Emerin	EMD	CTSD/PBS	EMD	not considered/background	0,327112471	-0,010350188	2
1764	P50416-2;P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	CTSD/PBS	CPT1A	not considered/background	-0,733339373		1
1765	P50453;P50452-3;P50452	Serpin B9	SERPINB9	CTSD/PBS	SERPINB9	not considered/background	-0,049800366	0,021848311	2
1766	P50454;E9PJH8;E9PPV6;E9PR70;E9PK	Serpin H1	SERPINH1	CTSD/PBS	SERPINH1	not considered/background	-0,409412351	-0,551688269	2
1767	P50502;Q3KNR6;H7C3I1;Q8IZP2;Q8N	Hsc70-interacting protein;Putative protein FAM10A4;Putative protein FAM10A5	ST13;ST13P4;ST13P5	CTSD/PBS	ST13	not considered/background	0,064331046	-0,022048165	2
1768	P50570-5;P50570-4;P50570;P50570-	Dynamin-2	DNM2	CTSD/PBS	DNM2	not considered/background	-0,127714939		1
1769	P50583	Bis(5-nucleosyl)-tetraphosphatase [asymmetrical]	NUDT2	CTSD/PBS	NUDT2	not considered/background	0,23878686	0,004609553	2
1770	P50914;E7EPB3	60S ribosomal protein L14	RPL14	CTSD/PBS	RPL14	not considered/background	-0,194096747	0,075960941	2
1771	P50990-2;P50990;P50990-3;H7C4C8;	T-complex protein 1 subunit theta	CCT8	CTSD/PBS	CCT8	not considered/background	-0,010890065	-0,037733627	2
1772	P50991;P50991-2	T-complex protein 1 subunit delta	CCT4	CTSD/PBS	CCT4	not considered/background	-0,03834704	-0,005040617	2
1773	P50995;P50995-2;H0Y6E1	Annexin A11	ANXA11	CTSD/PBS	ANXA11	not considered/background	-0,582836093	0,242737747	2
1774	P51148;P51148-2;K7ENY4;K7ERI8;K7I	Ras-related protein Rab-5C	RAB5C	CTSD/PBS	RAB5C	not considered/background	0,088955682	0,065370276	2
1775	P51149;A0A6Q8PGE6;C9J8S3;A0A6Q8	Ras-related protein Rab-7a	RAB7A	CTSD/PBS	RAB7A	Transport machinery	0,111432005	0,072118713	2
1776	P51151;A0A1B0GUI0	Ras-related protein Rab-9A	RAB9A	CTSD/PBS	RAB9A	not considered/background			0
1777	P51178;P51178-2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1	PLCD1	CTSD/PBS	PLCD1	not considered/background	-0,355405339	0,109825723	2
1778	P51398-2;P51398-3;P51398;V9GYL9;	28S ribosomal protein S29, mitochondrial	DAP3	CTSD/PBS	DAP3	not considered/background	0,169796756	0,53038488	2
1780	P51513-5;P51513;J3KQU3;G8JLA5;I3I	RNA-binding protein Nova-1	NOVA1	CTSD/PBS	NOVA1	not considered/background		0,054497169	1
1781	P51553;G5E9Q7;P51553-2;E7EQ88;E5	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial;Isocitrate dehydrogenase [NAD] s	IDH3G	CTSD/PBS	IDH3G	not considered/background	0,459116814	0,212032684	2
1782	P51571;A6NLM8	Translocon-associated protein subunit delta	SSR4	CTSD/PBS	SSR4	not considered/background	-0,021101502	0,142735555	2
1783	P51572;P51572-2;A0A2R8Y5M6;C9J5	B-cell receptor-associated protein 31	BCAP31	CTSD/PBS	BCAP31	not considered/background	0,144699025	0,055786227	2
1784	P51649;P51649-2;C9J8Q5;A0A5F9ZI2	Succinate-semialdehyde dehydrogenase, mitochondrial	ALDH5A1	CTSD/PBS	ALDH5A1	not considered/background	0,268314613	0,063047411	2
1785	P51659;A0A2R8YD50;P51659-3;P516	Peroxisomal multifunctional enzyme type 2;(3R)-hydroxyacyl-CoA dehydrogenase;Enoyl-CoA hyd	HSD17B4	CTSD/PBS	HSD17B4	not considered/background	-0,1032864	-0,184470737	2
1786	P51665;H3BNT7;H3BTM8;H3BQV2	26S proteasome non-ATPase regulatory subunit 7	PSMD7	CTSD/PBS	PSMD7	not considered/background	0,078336571	-0,071350804	2
1787	P51674;P51674-3;P51674-2;D6R9D2	Neuronal membrane glycoprotein M6-a	GPM6A	CTSD/PBS	GPM6A	not considered/background	0,262192588	0,163025606	2
1788	P51687	Sulfite oxidase, mitochondrial	SUOX	CTSD/PBS	SUOX	not considered/background	0,208766947	0,093879047	2
1789	P51688;I3NI22	N-sulphoglucosamine sulphohydrolase	SGSH	CTSD/PBS	SGSH	not considered/background	-0,096900012	-0,347212086	2
1790	P51797-6;P51797;P51797-5;P51797-	Chloride transport protein 6	CLCN6	CTSD/PBS	CLCN6	not considered/background	0,052276765	0,02148218	2
1791	P51798-2;P51798;H0Y2M6	H(+)/Cl(-) exchange transporter 7	CLCN7	CTSD/PBS	CLCN7	not considered/background			0
1792	P51805	Plexin-A3	PLXNA3	CTSD/PBS	PLXNA3	not considered/background	-0,278076181	-0,022474347	2
1793	P51809-3;P51809;P51809-2	Vesicle-associated membrane protein 7	VAMP7	CTSD/PBS	VAMP7	not considered/background	0,295252823		1
1794	P51970	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	NDUFA8	CTSD/PBS	NDUFA8	not considered/background	0,339593501	0,076113018	2
1795	P51991;P51991-2;H7C1J8	Heterogeneous nuclear ribonucleoprotein A3	HNRNPA3	CTSD/PBS	HNRNPA3	not considered/background			0
1796	P52209-2;P52209;K7EM49;K7EMN2;K	6-phosphogluconate dehydrogenase, decarboxylating	PGD	CTSD/PBS	PGD	not considered/background	-0,120905941	-0,159758338	2
1797	P52306;P52306-5;P52306-4;P52306-	Rap1 GTPase-GDP dissociation stimulator 1	RAP1GDS1	CTSD/PBS	RAP1GDS1	not considered/background	-0,312258449	-0,437653878	2
1799	P52565;J3KTF8;J3QQX2;J3KRE2;P525	Rho GDP-dissociation inhibitor 1	ARHGDIA	CTSD/PBS	ARHGDIA	not considered/background	-0,153590931	-0,230694897	2
1800	P52594-2;P52594-3;P52594;P52594-	Arf-GAP domain and FG repeat-containing protein 1	AGFG1	CTSD/PBS	AGFG1	not considered/background	-0,186376809	-0,135666197	2
1801	P52788;P52788-2;H7C2R7	Spermine synthase	SMS	CTSD/PBS	SMS	not considered/background		0,014718176	1
1803	P52823;P52823-2	Stanniocalcin-1	STC1	CTSD/PBS	STC1	not considered/background		0,196227406	1
1804	Q04828;P52895;H0Y804;B4DK69;S4R	Aldo-keto reductase family 1 member C1;Aldo-keto reductase family 1 member C2	AKR1C1;AKR1C2	CTSD/PBS	AKR1C1	not considered/background	-0,327565606	-0,374955996	2
1805	P52907	F-actin-capping protein subunit alpha-1	CAPZA1	CTSD/PBS	CAPZA1	not considered/background	0,166715445	-0,061154063	2
1806	P52943;H0YFA4;P52943-2;H0YHD8	Cysteine-rich protein 2	CRIP2	CTSD/PBS	CRIP2	not considered/background	-0,380840569	-0,362778454	2
1807	P53004;C9J1E1	Biliverdin reductase A	BLVRA	CTSD/PBS	BLVRA	not considered/background		-0,343009783	1
1808	P53007;B4DP62	Tricarboxylate transport protein, mitochondrial	SLC25A1	CTSD/PBS	SLC25A1	not considered/background	0,23793077	0,204881413	2
1809	P53396-2;P53396;P53396-3;K7ESG8;	ATP-citrate synthase	ACLY	CTSD/PBS	ACLY	not considered/background	-0,0957587	-0,005615567	2
1810	P53597;A0A494C0D1;H7C233	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	SUCLG1	CTSD/PBS	SUCLG1	not considered/background	0,351176003	-0,118758389	2
1811	P53602;H3BP35;H3BQ47;H3BRZ1;H3I	Diphosphomevalonate decarboxylase	MVD	CTSD/PBS	MVD	not considered/background		0,028101506	1
1812	P53618;E9PP73;E9PP63;E9PKQ1	Coatomer subunit beta	COPB1	CTSD/PBS	COPB1	not considered/background			0
1813	P53701	Cytochrome c-type heme lyase	HCCS	CTSD/PBS	HCCS	not considered/background			0
1814	P53985;Q5T8R3;P53985-2;Q5T8R5	Monocarboxylate transporter 1	SLC16A1	CTSD/PBS	SLC16A1	not considered/background			0
1815	P53990-2;P53990;P53990-4;H3BQF7;	IST1 homolog	IST1	CTSD/PBS	IST1	not considered/background		0,126832518	1
1817	P54136;P54136-2;E5RH09;E5RJM9	Arginine--tRNA ligase, cytoplasmic	RARS	CTSD/PBS	RARS	not considered/background	0,138683428	0,110448581	2
1818	P54284-5;P54284-3;P54284-4;P5428	Voltage-dependent L-type calcium channel subunit beta-3	CACNB3	CTSD/PBS	CACNB3	not considered/background	-0,040853046		1
1819	P54289-2;P54289-3;P54289-5;P5428	Voltage-dependent calcium channel subunit alpha-2/delta-1;Voltage-dependent calcium channe	CACNA2D1	CTSD/PBS	CACNA2D1	not considered/background	0,046141782	0,156562796	2
1820	P54577;A0A6Q8PFX2;A0A0C4DGZ5;AI	Tyrosine--tRNA ligase, cytoplasmic;Tyrosine--tRNA ligase, cytoplasmic, N-terminally processed;Ty	YARS	CTSD/PBS	YARS	not considered/background	0,186120184	0,221118603	2
1821	P54687-4;P54687;P54687-5;F5H2F2;	Branched-chain-amino-acid aminotransferase, cytosolic	BCAT1	CTSD/PBS	BCAT1	not considered/background	-0,303703431	-0,063226802	2
1823	P54709;C9JA36;P54709-2;C9JXZ1;H7	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	CTSD/PBS	ATP1B3	not considered/background	-0,073955023	0,02930829	2
1824	P54727;P54727-2;Q5W0S5;H0Y579;C	UV excision repair protein RAD23 homolog B	RAD23B	CTSD/PBS	RAD23B	not considered/background	0,131589484	-0,105678078	2
1825	P54802	Alpha-N-acetylglucosaminidase;Alpha-N-acetylglucosaminidase 82 kDa form;Alpha-N-acetylgluco	NAGLU	CTSD/PBS	NAGLU	not considered/background	-0,453616669		1
1826	P54803;P54803-4;P54803-3;P54803-	Galactocerebrosidase	GALC	CTSD/PBS	GALC	Lysosomal enzymes	-0,006245944	-0,410558198	2
1827	P54829-2;P54829-3;P54829;E9PLZ4;/	Tyrosine-protein phosphatase non-receptor type 5;Protein-tyrosine-phosphatase	PTPN5	CTSD/PBS	PTPN5	not considered/background	0,097475959		1
1828	P54886-2;P54886	Delta-1-pyrroline-5-carboxylate synthase;Glutamate 5-kinase;Gamma-glutamyl phosphate reduc	ALDH18A1	CTSD/PBS	ALDH18A1	not considered/background	0,799004339	0,038939785	2
1829	P54920;M0R0Y2;M0R2M1;M0R058;N	Alpha-soluble NSF attachment protein	NAPA	CTSD/PBS	NAPA	not considered/background	0,077926579	0,038613745	2
1830	P55010;H0YLZ1;H0YN40;H0YK11;H0Y	Eukaryotic translation initiation factor 5	EIF5	CTSD/PBS	EIF5	not considered/background	0,142609487	-0,046979908	2
1831	P55011;P55011-3;G3XAL9	Solute carrier family 12 member 2	SLC12A2	CTSD/PBS	SLC12A2	not considered/background	0,015497569	-0,078609835	2
1832	P55036;Q5VWC4;H0Y3Y9;H0Y561;A6I	26S proteasome non-ATPase regulatory subunit 4	PSMD4	CTSD/PBS	PSMD4	not considered/background		-0,012068023	1
1833	P55060-3;P55060;P55060-4;P55060-	Exportin-2	CSE1L	CTSD/PBS	CSE1L	not considered/background	-0,21171521	-0,087327052	2
1834	P55072;C9JZA5;C9JUP7	Transitional endoplasmic reticulum ATPase	VCP	CTSD/PBS	VCP	not considered/background	-0,021672556	0,037473187	2
1835	P55084-2;P55084;F5GZQ3;B5MD38;C	Trifunctional enzyme subunit beta, mitochondrial;3-ketoacyl-CoA thiolase	HADHB	CTSD/PBS	HADHB	not considered/background	-0,038317409	0,085297719	2
1836	P55145;H7C2D6	Mesencephalic astrocyte-derived neurotrophic factor	MANF	CTSD/PBS	MANF	not considered/background	0,484808397	0,404267207	2
1837	P55290;P55290-4;P55290-3;P55290-	Cadherin-13	CDH13	CTSD/PBS	CDH13	not considered/background	-0,185605441	-0,0528332	2
1838	P55327-2;P55327-4;P55327;P55327-	Tumor protein D52	TPD52	CTSD/PBS	TPD52	not considered/background	-0,227742706	-0,059493725	2
1839	P55735;P55735-2;P55735-4;P55735-	Protein SEC13 homolog	SEC13	CTSD/PBS	SEC13	not considered/background			0
1840	P55809;E9PDW2;P55809-2;Q9BYC2	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial	OXCT1	CTSD/PBS	OXCT1	not considered/background	0,19181529	0,123858326	2
1841	P55884-2;P55884;C9JZG1	Eukaryotic translation initiation factor 3 subunit B	EIF3B	CTSD/PBS	EIF3B	not considered/background			0
1842	P56134-3;P56134	ATP synthase subunit f, mitochondrial	ATP5J2	CTSD/PBS	ATP5J2	not considered/background			0
1843	P56181-2	NADH dehydrogenase [ubiquinone] flavoprotein 3, mitochondrial	NDUFV3	CTSD/PBS	NDUFV3	not considered/background	0,056444801		1
1844	P56192;P56192-2;F5H2V6;H0YIP0;H0	Methionine--tRNA ligase, cytoplasmic	MARS	CTSD/PBS	MARS	not considered/background	0,227494651	0,375272085	2
1845	Q5VTU8;P56381	ATP synthase subunit epsilon-like protein, mitochondrial;ATP synthase subunit epsilon, mitocho	ATP5EP2;ATP5E	CTSD/PBS	ATP5EP2	not considered/background			0
1846	P56385	ATP synthase subunit e, mitochondrial	ATP5I	CTSD/PBS	ATP5I	not considered/background	0,498863564	0,201410261	2
1847	P56537-2;P56537;F8WD20;B7ZBH1;A	Eukaryotic translation initiation factor 6	EIF6	CTSD/PBS	EIF6	not considered/background		-0,49610438	1
1849	P56817-2;P56817;P56817-4;P56817-	Beta-secretase 1	BACE1	CTSD/PBS	BACE1	not considered/background		-0,147697444	1
1850	P59768;G3V3J9;G3V2N0;G3V2C9;G3\	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2;Guanine nucleotide-bindin	GNG2	CTSD/PBS	GNG2	not considered/background	0,265316867	0,082392573	2
1852	P60174;P60174-3;P60174-4;U3KPZ0;	Triosephosphate isomerase	TPI1	CTSD/PBS	TPI1	not considered/background	-0,007927711	-0,054223347	2
1853	P60228;E5RIT4;H0YBR5;E5RHS5;E5RG	Eukaryotic translation initiation factor 3 subunit E	EIF3E	CTSD/PBS	EIF3E	not considered/background			0
1854	P60468;S4R3B5	Protein transport protein Sec61 subunit beta	SEC61B	CTSD/PBS	SEC61B	not considered/background	0,435415241		1
1855	P60520;H3BSM5;H3BQ50	Gamma-aminobutyric acid receptor-associated protein-like 2	GABARAPL2	CTSD/PBS	GABARAPL2	not considered/background	0,297015288	0,144679996	2
1857	P60763;J3KSC4;J3QLK0	Ras-related C3 botulinum toxin substrate 3	RAC3	CTSD/PBS	RAC3	not considered/background	-0,039651399	0,035756644	2
1858	P60842;P60842-2;J3KT12;J3QS69;J3K	Eukaryotic initiation factor 4A-I	EIF4A1	CTSD/PBS	EIF4A1	not considered/background	0,171847314	0,078914102	2
1859	P60880;A0A0A0MSS0	Synaptosomal-associated protein 25	SNAP25	CTSD/PBS	SNAP25	not considered/background	0,136060107	-0,129876461	2
1860	P60880-2	Synaptosomal-associated protein 25	SNAP25	CTSD/PBS	SNAP25	not considered/background			0
1862	P60953;A0A590UJK8;Q5JYX0;A0A494	Cell division control protein 42 homolog	CDC42	CTSD/PBS	CDC42	not considered/background			0
1863	P60953-1	Cell division control protein 42 homolog	CDC42	CTSD/PBS	CDC42	not considered/background	-0,356033016	-0,127237062	2
1864	P60981;P60981-2;F6RFD5	Destrin	DSTN	CTSD/PBS	DSTN	not considered/background	-0,404610919	0,066850413	2
1865	P61006;P61006-2	Ras-related protein Rab-8A	RAB8A	CTSD/PBS	RAB8A	not considered/background			0
1866	P61009	Signal peptidase complex subunit 3	SPCS3	CTSD/PBS	SPCS3	not considered/background		0,063665471	1
1867	P61018;P61018-2;M0R0X1	Ras-related protein Rab-4B	RAB4B	CTSD/PBS	RAB4B	Transport machinery	0,539431811	0,135189854	2
1868	P61019;P61019-2;E9PKL7;H7C125;H(	Ras-related protein Rab-2A	RAB2A	CTSD/PBS	RAB2A	not considered/background	0,114367025	0,176658238	2
1869	P61020;P61020-2;F8VUA5	Ras-related protein Rab-5B	RAB5B	CTSD/PBS	RAB5B	not considered/background	0,081884967	0,03452968	2
1870	P61026;A0A2R8YDI9;H0YLJ8;H0YL94;	Ras-related protein Rab-10	RAB10	CTSD/PBS	RAB10	not considered/background	-0,180004897	-0,033370138	2
1871	P61081;M0QX69;M0QYI6	NEDD8-conjugating enzyme Ubc12	UBE2M	CTSD/PBS	UBE2M	not considered/background	0,325040955	-0,110764122	2
1872	P61086;D6RDM7;P61086-2;P61086-3	Ubiquitin-conjugating enzyme E2 K	UBE2K	CTSD/PBS	UBE2K	not considered/background			0
1873	P61088;F8VQQ8;F8VSD4;F8VV71;Q5J	Ubiquitin-conjugating enzyme E2 N;Putative ubiquitin-conjugating enzyme E2 N-like	UBE2N;UBE2NL	CTSD/PBS	UBE2N	not considered/background	-0,00553613	-0,232660757	2
1874	P61106;X6RFL8	Ras-related protein Rab-14	RAB14	CTSD/PBS	RAB14	not considered/background	-0,034248955	0,024193752	2
1875	P61158;B4DXW1;F8WDR7;F8WEW2;F	Actin-related protein 3	ACTR3	CTSD/PBS	ACTR3	not considered/background	-0,328579803	-0,226015216	2
1876	P61160;F5H6T1;P61160-2	Actin-related protein 2	ACTR2	CTSD/PBS	ACTR2	not considered/background	-0,251933845	0,072452414	2
1877	P61163;R4GMT0;A0A1B0GVS3	Alpha-centractin	ACTR1A	CTSD/PBS	ACTR1A	not considered/background	-0,135712808	-0,364460374	2
1878	P61201;P61201-2;B4DIH5;H0YKU5;HI	COP9 signalosome complex subunit 2	COPS2	CTSD/PBS	COPS2	not considered/background		-0,160533009	1
1879	P84077;P61204;F5H423;P61204-2;F5	ADP-ribosylation factor 1;ADP-ribosylation factor 3	ARF1;ARF3	CTSD/PBS	ARF1	not considered/background	-0,449926783	-0,045023522	2
1880	P61224;F5H7Y6;P61224-3;E7ES4;F5I	Ras-related protein Rap-1b;Ras-related protein Rap-1b-like protein	RAP1B	CTSD/PBS	RAP1B	not considered/background	0,009490503	0,049038951	2
1882	P61254;J3KS10;J3QRI7;J3QQQ9;J3QQ	60S ribosomal protein L26;60S ribosomal protein L26-like 1	RPL26;RPL26L1	CTSD/PBS	RPL26	not considered/background			0
1883	P61266-2;P61266;P32856-3;P32856-	Syntaxin-1B	STX1B	CTSD/PBS	STX1B	not considered/background	-0,231667443	-0,202511756	2
1884	P61313;A0A2R8YEM3;E7EQV9;E7ERA2	60S ribosomal protein L15;Ribosomal protein L15	RPL15	CTSD/PBS	RPL15	not considered/background	-0,332371239	0,059209313	2
1885	P61353;K7ELC7;K7EQQ9;K7ERY7	60S ribosomal protein L27	RPL27	CTSD/PBS	RPL27	not considered/background		-0,007913082	1
1886	P61457	Pterin-4-alpha-carbinolamine dehydratase	PCBD1	CTSD/PBS	PCBD1	not considered/background			0
1887	P61586	Transforming protein RhoA	RHOA	CTSD/PBS	RHOA	not considered/background	0,096666669	-0,101112158	2
1888	P61601;E5RGA9;E5RIZ1;E5RJJ6;E5RG2	Neurocalcin-delta	NCALD	CTSD/PBS	NCALD	not considered/background	0,179256247	-0,100304906	2
1889	P61604;B8ZZL8;B8ZZ54	10 kDa heat shock protein, mitochondrial	HSPE1	CTSD/PBS	HSPE1	not considered/background	0,336283388	0,120811815	2
1890	P61758;P61758-2	Prefoldin subunit 3	VBP1	CTSD/PBS	VBP1	not considered/background	-0,228367919	-0,052555009	2
1891	P61764;A0A0D9SG72;A0A1B0GWF2;/	Syntaxin-binding protein 1	STXBP1	CTSD/PBS	STXBP1	not considered/background	-0,199155998	-0,09328973	2
1892	P61764-2;A0A1B0GTP9;A0A096LP52	Syntaxin-binding protein 1	STXBP1	CTSD/PBS	STXBP1	not considered/background	-0,259892754	-0,206518202	2
1895	P61970;H3BRV9	Nuclear transport factor 2	NUTF2	CTSD/PBS	NUTF2	not considered/background	0,148218272	0,050143881	2
1896	P61978;P61978-2;P61978-3;Q5T6W2	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	CTSD/PBS	HNRNPK	not considered/background	0,106750315	0,121863233	2
1897	P61981	14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	YWHAG	CTSD/PBS	YWHAG	not considered/background	0,033792989	-0,140778656	2
1898	P62070;P62070-4;E9PK85;P62070-3;	Ras-related protein R-Ras2	RRAS2	CTSD/PBS	RRAS2	not considered/background	-0,011282597	0,119369324	2
1899	P62072	Mitochondrial import inner membrane translocase subunit Tim10	TIMM10	CTSD/PBS	TIMM10	not considered/background			0
1900	P62136;P62136-2;P62136-3;E9PMD7	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit;Serine/threonine-protein phc	PPP1CA	CTSD/PBS	PPP1CA	not considered/background			0
1901	P62140;C9JP48;C9J9S3	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	PPP1CB	CTSD/PBS	PPP1CB	not considered/background	0,032100843	-0,003314389	2
1902	P62166;P62166-2	Neuronal calcium sensor 1	NCS1	CTSD/PBS	NCS1	not considered/background	0,038295698	-0,279055216	2
1903	P62191;P62191-2;G3V4X1	26S protease regulatory subunit 4	PSMC1	CTSD/PBS	PSMC1	not considered/background		0,115738128	1

1904	P62195;P62195-2;J3QQM1;J3QLH6;J	26S protease regulatory subunit 8	PSMC5	CTSD/PBS	PSMC5	not considered/background	0,069839625	0,149968725	2
1905	P62241;Q5JR95	40S ribosomal protein S8	RPS8	CTSD/PBS	RPS8	not considered/background	-0,066095051	-0,077789889	2
1906	P62258;P62258-2;B4DJF2;I3L3T1;K7E	14-3-3 protein epsilon	YWHAE	CTSD/PBS	YWHAE	not considered/background	0,059355278	0,033835356	2
1907	P62269;A0A0G2JQH2;Q5GGW2;J3JS6	40S ribosomal protein S18	RPS18	CTSD/PBS	RPS18	not considered/background	0,025312343		1
1911	P62330	ADP-ribosylation factor 6	ARF6	CTSD/PBS	ARF6	not considered/background	-0,397277087	-0,047817548	2
1912	P62424;Q5T8U3;Q5T8U2	60S ribosomal protein L7a	RPL7A	CTSD/PBS	RPL7A	not considered/background	0,055056793	0,446875459	2
1913	P62701;Q8TD47;C9JEH7;P22090	40S ribosomal protein S4, X isoform	RPS4X	CTSD/PBS	RPS4X	not considered/background	-0,082163468	0,014470425	2
1916	P62745	Rho-related GTP-binding protein RhoB	RHOB	CTSD/PBS	RHOB	not considered/background	-0,002295711	0,078959817	2
1917	P62753;A2A3R5;A2A3R7	40S ribosomal protein S6	RPS6	CTSD/PBS	RPS6	not considered/background	-0,045684556	-0,001874286	2
1918	P62760;E7ER47;E9PE24	Visinin-like protein 1	VSNL1	CTSD/PBS	VSNL1	not considered/background	-0,316276601	-0,466757616	2
1919	P62805	Histone H4	HIST1H4A	CTSD/PBS	HIST1H4A	not considered/background	-0,077649896	-0,333080194	2
1920	P62820;E7END7;P62820-2;P62820-3	Ras-related protein Rab-1A	RAB1A	CTSD/PBS	RAB1A	not considered/background	0,093424959	0,042412226	2
1921	P62829;J3KTJ3;C9JD32;J3KT29;J3QQ	60S ribosomal protein L23	RPL23	CTSD/PBS	RPL23	not considered/background		0,300235177	1
1922	P62834;A0A075B6Q0	Ras-related protein Rap-1A	RAP1A	CTSD/PBS	RAP1A	not considered/background	0,012783185	-0,211510663	2
1923	P62851	40S ribosomal protein S25	RPS25	CTSD/PBS	RPS25	not considered/background			0
1925	P62873;P62873-2;F6UT28;B1AKQ8;B	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	GNB1	CTSD/PBS	GNB1	not considered/background	-0,114909869	-0,089362553	2
1926	P62877	E3 ubiquitin-protein ligase RBX1;E3 ubiquitin-protein ligase RBX1, N-terminally processed	RBX1	CTSD/PBS	RBX1	not considered/background			0
1927	P62879;C9JXA5;E7EP32;C9JIS1;C9JZN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	GNB2	CTSD/PBS	GNB2	not considered/background	-0,061270081	-0,047538389	2
1928	P62906	60S ribosomal protein L10a	RPL10A	CTSD/PBS	RPL10A	not considered/background		-0,074779426	1
1929	P62913;Q5VVC8;P62913-2	60S ribosomal protein L11	RPL11	CTSD/PBS	RPL11	not considered/background	0,340391357	-0,095991913	2
1930	P62937;F8WE65;C9JS57;P62937-2;Q	Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally processe	PPIA	CTSD/PBS	PPIA	not considered/background	-0,087733372	-0,234623941	2
1931	P62942;Q1JUQ3;Q1JUQ5;A0A087WTS	Peptidyl-prolyl cis-trans isomerase FKBP1A;Peptidyl-prolyl cis-trans isomerase	FKBP1A;FKBP12-Exin;FKBP12-Ex	CTSD/PBS	FKBP1A	not considered/background	0,064606975	-0,155619721	2
1932	P62979;P0CG48;B4DV12;Q96C32;Q5	Ubiquitin-40S ribosomal protein S27a;Ubiquitin;40S ribosomal protein S27a;Polyubiquitin-C;Ul	RPS27A;UBC;UBB;UBA52	CTSD/PBS	RPS27A	not considered/background	-0,055066611	0,105892363	2
1933	P62993;P62993-2;J3KT38;J3QRL5	Growth factor receptor-bound protein 2	GRB2	CTSD/PBS	GRB2	not considered/background	0,140647793	0,013552656	2
1934	P63000;P63000-2;P15153;B1AH77;B	Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 2	RAC1;RAC2	CTSD/PBS	RAC1	not considered/background	0,093019233	-0,11209958	2
1935	P63010;P63010-2;P63010-3;A0A087	AP-2 complex subunit beta	AP2B1	CTSD/PBS	AP2B1	not considered/background	-0,017373247	-0,103128316	2
1936	Q5JWF2;P63092-4;P63092;A0A0A0M	Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas;Guanine nucleotide-bindin	GNAS	CTSD/PBS	GNAS	not considered/background	0,2880632	0,141684736	2
1937	P63096;P63096-2;A0A3B3ITM0;A0A3	Guanine nucleotide-binding protein G(i) subunit alpha-1	GNAI1	CTSD/PBS	GNAI1	not considered/background	-0,062776151	0,039814527	2
1938	P63104;E7EX29;B0AZS6;P63104-2;B7	14-3-3 protein zeta/delta	YWHAZ	CTSD/PBS	YWHAZ	not considered/background	-0,037354739	-0,024177814	2
1939	P63151;P63151-2;E5RIY1;A0A590UJ	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	PPP2R2A	CTSD/PBS	PPP2R2A	not considered/background	0,034215715	-0,06060083	2
1940	P63167;F8VXL2;F8VRV5;F8VXI7	Dynein light chain 1, cytoplasmic	DYNLL1	CTSD/PBS	DYNLL1	not considered/background	0,204140717	-0,430392334	2
1941	P63172	Dynein light chain Tctex-type 1	DYNLT1	CTSD/PBS	DYNLT1	not considered/background	0,262553427		1
1942	P63244;D6REE5;D6RHH4;D6R9L0;H0	Guanine nucleotide-binding protein subunit beta-2-like 1;Guanine nucleotide-binding protein su	GNB2L1	CTSD/PBS	GNB2L1	not considered/background			0
1943	P63261;I3L3I0;I3L1U9;I3L4N8;K7EM3	Actin, cytoplasmic 2;Actin, cytoplasmic 2, N-terminally processed	ACTG1	CTSD/PBS	ACTG1	not considered/background	-0,179351281	-0,163885117	2
1944	P63313;CON__P21752	Thymosin beta-10	TMSB10	CTSD/PBS	TMSB10	not considered/background	0,314754522	-0,070938821	2
1946	P67870;Q5SRQ6;Q5SRQ3;N0E472;A0A	Casein kinase II subunit beta	CSNK2B;CSNK2B-LY6G5B-1181;C	CTSD/PBS	CSNK2B	not considered/background	-0,327855304	-0,416083074	2
1947	P67936;A0A2R8Y5V9;A0A2R8YGX3;P4	Tropomyosin alpha-4 chain	TPM4	CTSD/PBS	TPM4	not considered/background	0,337654011	-0,328606717	2
1949	P68036;P68036-3;P68036-2;A0A1B0	Ubiquitin-conjugating enzyme E2 L3	UBE2L3	CTSD/PBS	UBE2L3	not considered/background	0,041383179	-0,10057404	2
1950	P68104;Q5VTE0;A0A087WV01;A0A08	Elongation factor 1-alpha 1;Putative elongation factor 1-alpha-like 3;Elongation factor 1-alpha	EEF1A1;EEF1A1P5	CTSD/PBS	EEF1A1	not considered/background	-0,211949131	-0,041663532	2
1952	P68366-2;P68366;C9JEV8;C9JQ00;C9	Tubulin alpha-4A chain	TUBA4A	CTSD/PBS	TUBA4A	not considered/background	0,036327492	-0,157431827	2
1953	P68371	Tubulin beta-4B chain	TUBB4B	CTSD/PBS	TUBB4B	not considered/background	-0,316797627	-0,306028869	2
1954	P68402;P68402-3;P68402-2;J3KNE3;I	Platelet-activating factor acetylhydrolase IB subunit beta	PAFAH1B2	CTSD/PBS	PAFAH1B2	not considered/background	0,162725653	-0,151988666	2
1955	P78310;P78310-7;P78310-2;P78310-	Coxsackievirus and adenovirus receptor	CXADR	CTSD/PBS	CXADR	not considered/background	0,142740172	-0,063502942	2
1956	P78318	Immunoglobulin-binding protein 1	IGBP1	CTSD/PBS	IGBP1	not considered/background			0
1957	P78324;P78324-2;P78324-4;Q5TFQ8;	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	CTSD/PBS	SIRPA	not considered/background	0,167871708	0,097841502	2
1959	P78344-2;P78344;H0Y3P2;D3DQV9;H	Eukaryotic translation initiation factor 4 gamma 2	EIF4G2	CTSD/PBS	EIF4G2	not considered/background	-0,091525234	-0,184851546	2
1960	P78356;P78356-2;A0A087WT35;S4R3	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	PIP4K2B	CTSD/PBS	PIP4K2B	not considered/background	0,136847604	-0,267475872	2
1961	P78357;K7EMM9	Contactin-associated protein 1	CNTNAP1	CTSD/PBS	CNTNAP1	not considered/background	-0,055666266	0,076325953	2
1963	P78371;P78371-2;F5GWF6;F8VQ14	T-complex protein 1 subunit beta	CCT2	CTSD/PBS	CCT2	not considered/background	0,089362553	0,119714136	2
1964	P78417;Q5TA02;P78417-2;P78417-3;	Glutathione S-transferase omega-1	GSTO1	CTSD/PBS	GSTO1	not considered/background	-0,1386798	0,016453631	2
1965	P78540	Arginase-2, mitochondrial	ARG2	CTSD/PBS	ARG2	not considered/background	0,609187605	0,333716053	2
1966	P80303-2;P80303;E9PKG6;Q2L696;E5	Nucleobindin-2;Nesfatin-1	NUCB2;Nucb2	CTSD/PBS	NUCB2	not considered/background		-0,016068369	1
1967	P80370	Protein delta homolog 1;Fetal antigen 1	DLK1	CTSD/PBS	DLK1	not considered/background	0,593401581	0,429478779	2
1968	P80723;P80723-2;U3KQP0	Brain acid soluble protein 1	BASP1	CTSD/PBS	BASP1	not considered/background	-0,427149127	0,732859761	2
1970	P82663;E7EPW2;P82663-3;P82663-2	28S ribosomal protein S25, mitochondrial	MRPS25	CTSD/PBS	MRPS25	not considered/background	0,445620775	-0,361543798	2
1971	P82664	28S ribosomal protein S10, mitochondrial	MRPS10	CTSD/PBS	MRPS10	not considered/background	0,352758525	0,330592196	2
1972	P82673;H0YG82;P82673-2	28S ribosomal protein S35, mitochondrial	MRPS35	CTSD/PBS	MRPS35	not considered/background	0,192825404	0,26866033	2
1973	P82675;P82675-2	28S ribosomal protein S5, mitochondrial	MRPS5	CTSD/PBS	MRPS5	not considered/background	0,534858451	0,429498209	2
1974	P82909;D6R941	28S ribosomal protein S36, mitochondrial	MRPS36	CTSD/PBS	MRPS36	not considered/background	0,205892928		1
1975	P82914	28S ribosomal protein S15, mitochondrial	MRPS15	CTSD/PBS	MRPS15	not considered/background			0
1976	P82921	28S ribosomal protein S21, mitochondrial	MRPS21	CTSD/PBS	MRPS21	not considered/background		0,827717318	1
1977	P82932	28S ribosomal protein S6, mitochondrial	MRPS6	CTSD/PBS	MRPS6	not considered/background			0
1978	P82933	28S ribosomal protein S9, mitochondrial	MRPS9	CTSD/PBS	MRPS9	not considered/background	0,06474492	0,780586726	2
1979	P82979;F8VS12;F8VZQ9;H0YHG0	SAP domain-containing ribonucleoprotein	SARNP	CTSD/PBS	SARNP	not considered/background			0
1980	P84085;C9J1Z8	ADP-ribosylation factor 5	ARF5	CTSD/PBS	ARF5	not considered/background			0
1982	P84157-2;P84157;Q6ZR64;K7EQX8	Matrix-remodeling-associated protein 7	MXRA7	CTSD/PBS	MXRA7	not considered/background	0,359633613	0,337028913	2
1984	P98155-2;P98155	Very low-density lipoprotein receptor	VLDLR	CTSD/PBS	VLDLR	not considered/background			0
1985	P98172	Ephrin-B1	EFNB1	CTSD/PBS	EFNB1	not considered/background			0
1986	Q00013-2;Q00013-3;Q00013;C9J9J4;	55 kDa erythrocyte membrane protein	MPP1	CTSD/PBS	MPP1	not considered/background			0
1987	Q00059;Q00059-2;H7BYN3	Transcription factor A, mitochondrial	TFAM	CTSD/PBS	TFAM	not considered/background		0,428002896	1
1988	Q00169;F5GWE5;I3L4H1;I3L459;I3L4	Phosphatidylinositol transfer protein alpha isoform	PITPNA	CTSD/PBS	PITPNA	not considered/background	0,10701825	-0,038576651	2
1989	Q00325-2;Q00325;F8VVM2;F8VWQ0;	Phosphate carrier protein, mitochondrial	SLC25A3	CTSD/PBS	SLC25A3	not considered/background	0,340163443	0,367601482	2
1990	Q00535;Q00535-2	Cyclin-dependent-like kinase 5	CDK5	CTSD/PBS	CDK5	not considered/background	0,056167306	-0,081339627	2
1991	Q00688;G3V5F2	Peptidyl-prolyl cis-trans isomerase FKBP3	FKBP3	CTSD/PBS	FKBP3	not considered/background		-0,116763971	1
1992	Q00765;E2QRG8;B7Z510;Q00765-2;H	Receptor expression-enhancing protein 5;Receptor expression-enhancing protein	REEP5	CTSD/PBS	REEP5	not considered/background	-0,012781018	0,018629543	2
1993	Q01082;A0A087WUZ3;Q01082-3;Q01	Spectrin beta chain, non-erythrocytic 1	SPTBN1	CTSD/PBS	SPTBN1	not considered/background	-0,28366752	-0,231923873	2
1994	Q01469;I6L8B7;A8MUU1	Fatty acid-binding protein, epidermal	FABP5	CTSD/PBS	FABP5	not considered/background	-0,210829993	0,0200771	2
1995	Q01518;Q01518-2;Q5T0R1;Q5T0R7;Q	Adenylyl cyclase-associated protein 1	CAP1	CTSD/PBS	CAP1	not considered/background	-0,037591644	-0,100708589	2
1996	Q01581;D6RIW1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	HMGCS1	CTSD/PBS	HMGCS1	not considered/background	0,100035721		1
1997	Q01650;H0YJ95;A0A0C4DGL4;G3V4Z	Large neutral amino acids transporter small subunit 1	SLC7A5	CTSD/PBS	SLC7A5	not considered/background	0,060462488	0,077071473	2
1998	Q01813;Q01813-2;B1APP6;H0Y757;Q	ATP-dependent 6-phosphofructokinase, platelet type	PFKP	CTSD/PBS	PFKP	not considered/background	-0,337047136	-0,343237247	2
1999	Q01814-6;Q01814-8;Q01814-5;Q018	Plasma membrane calcium-transporting ATPase 2	ATP2B2	CTSD/PBS	ATP2B2	not considered/background	-0,506578105	-0,34857237	2
2000	Q01968-2;Q01968;A0A2R8YG38;A0A2	Inositol polyphosphate 5-phosphatase OCRL-1	OCRL	CTSD/PBS	OCRL	not considered/background	0,379177329		1
2001	Q02108-2;Q02108;J3KQW2;Q6PJR4;J	Guanylate cyclase soluble subunit alpha-3	GUCY1A3	CTSD/PBS	GUCY1A3	not considered/background			0
2002	Q02156;E9PBI2	Protein kinase C epsilon type	PRKCE	CTSD/PBS	PRKCE	not considered/background	-0,203967142		1
2003	Q02252;Q02252-2;G3V4Z4	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	ALDH6A1	CTSD/PBS	ALDH6A1	not considered/background	0,131194352	0,121376661	2
2004	Q02410-2;Q02410;A0A0D9SFA9;A0A0	Amyloid beta A4 precursor protein-binding family A member 1	APBA1	CTSD/PBS	APBA1	not considered/background	-0,014208146	-0,204641566	2
2006	Q02641;Q02641-2;Q02641-3;Q08289	Voltage-dependent L-type calcium channel subunit beta-1;Voltage-dependent L-type calcium cha	CACNB1;CACNB2;CACNB4	CTSD/PBS	CACNB1	not considered/background	-0,219135609		1
2007	Q02750;Q02750-2;H3BRW9	Dual specificity mitogen-activated protein kinase kinase 1	MAP2K1	CTSD/PBS	MAP2K1	not considered/background	-0,130712895	-0,230080016	2
2008	Q02790;F5H1U3;H0YFG2;F5H120	Peptidyl-prolyl cis-trans isomerase FKBP4;Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminall	FKBP4	CTSD/PBS	FKBP4	not considered/background	-0,081720636	-0,125122061	2
2009	Q02809;Q02809-2	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	PLOD1	CTSD/PBS	PLOD1	not considered/background	-0,053763221		1
2010	Q02818;C9JKZ2;H7BZI1;C9JBD3;C9J3	Nucleobindin-1	NUCB1	CTSD/PBS	NUCB1	not considered/background	0,21896711	0,316492175	2
2011	Q02878;F8VR69;F8VZ45;U3KQR5	60S ribosomal protein L6	RPL6	CTSD/PBS	RPL6	not considered/background	0,039138394	-0,097206246	2
2012	Q02952-3;Q02952-2;Q02952	A-kinase anchor protein 12	AKAP12	CTSD/PBS	AKAP12	not considered/background	0,061983516	0,407057462	2
2013	Q02978;I3L1P8;Q02978-2	Mitochondrial 2-oxoglutarate/malate carrier protein	SLC25A11	CTSD/PBS	SLC25A11	not considered/background	0,209890007	0,202107143	2
2014	Q03393;E9PKY8;E9PJM0;E9PNN3	6-pyruvoyl tetrahydrobiopterin synthase	PTS	CTSD/PBS	PTS	not considered/background			0
2015	Q04446;E9PGM4	1,4-alpha-glucan-branching enzyme	GBE1	CTSD/PBS	GBE1	not considered/background	-0,448961473		1
2016	Q04760-2;Q04760	Lactoylglutathione lyase	GLO1	CTSD/PBS	GLO1	not considered/background	-0,52657673	-0,39583057	2
2017	Q04837;C9K0U8;A0A0G2JLD8;E7EUY5	Single-stranded DNA-binding protein, mitochondrial	SSBP1	CTSD/PBS	SSBP1	not considered/background	0,435841916	0,251263994	2
2018	Q04917;A2IDB2;F8WEB6;A2IDB1	14-3-3 protein eta	YWHAH	CTSD/PBS	YWHAH	not considered/background	-0,034751343	0,085726341	2
2019	Q04941;Q04941-2	Proteolipid protein 2	PLP2	CTSD/PBS	PLP2	not considered/background			0
2020	Q05682;Q05682-5;E9PGZ1;Q05682-4	Caldesmon	CALD1	CTSD/PBS	CALD1	not considered/background	0,25821739		1
2021	Q06124;Q06124-1;Q06124-3;A0A1W	Tyrosine-protein phosphatase non-receptor type 11	PTPN11	CTSD/PBS	PTPN11	not considered/background	-0,082698103	-0,675273972	2
2022	Q06203;D6RE15;D6RCC8	Amidophosphoribosyltransferase	PPAT	CTSD/PBS	PPAT	not considered/background		0,502689105	1
2023	Q06323-3;Q06323;Q06323-2;H0YKK6	Proteasome activator complex subunit 1	PSME1	CTSD/PBS	PSME1	not considered/background	0,159629186	0,322992475	2
2024	Q06481;Q06481-3;Q06481-6;Q06481	Amyloid-like protein 2	APLP2	CTSD/PBS	APLP2	not considered/background	0,148218272	0,229314702	2
2025	Q06830;A0A0AMSI0;A0A0A0MRQ5	Peroxiredoxin-1	PRDX1	CTSD/PBS	PRDX1	not considered/background	0,192699178	0,114831756	2
2026	Q07021;I3L3Q7;I3L3B0	Complement component 1 Q subcomponent-binding protein, mitochondrial	C1QBP	CTSD/PBS	C1QBP	not considered/background	0,231923873	0,430217288	2
2027	Q07065;H3BUW6;Q96K21-4	Cytoskeleton-associated protein 4	CKAP4	CTSD/PBS	CKAP4	not considered/background	0,323543009	0,26883414	2
2028	Q07812-5;Q07812-8;Q07812;Q07812	Apoptosis regulator BAX	BAX	CTSD/PBS	BAX	not considered/background	0,251688799	0,089267338	2
2029	Q07954;Q6PJ72;H0YJI8;Q07954-2;Q7	Prolow-density lipoprotein receptor-related protein 1;Low-density lipoprotein receptor-related	LRP1	CTSD/PBS	LRP1	not considered/background	-0,225986801	-0,003170443	2
2030	Q07960;H0YE29;E9PNR6	Rho GTPase-activating protein 1	ARHGAP1	CTSD/PBS	ARHGAP1	not considered/background	-0,418523411	-0,23793077	2
2031	Q08174-2;Q08174;D6RAX3;D6RBG2;H	Protocadherin-1	PCDH1	CTSD/PBS	PCDH1	not considered/background	-0,158236157	-0,048096653	2
2032	Q08209;Q08209-2;Q08209-3;E7ETC2;	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform;Serine/threonine-prot	PPP3CA	CTSD/PBS	PPP3CA	not considered/background	0,018634174	0,130444403	2
2033	Q08257;Q08257-3;A6NP24;C9JH92;Q	Quinone oxidoreductase	CRYZ	CTSD/PBS	CRYZ	not considered/background	0,386700602	0,257355608	2
2034	Q08380;K7EP36;K7ESM3;K7EKQ5;K7E	Galectin-3-binding protein	LGALS3BP	CTSD/PBS	LGALS3BP	not considered/background	0,162467868	0,262590124	2
2035	Q08431-4;Q08431;Q08431-2;Q08431	Lactadherin;Lactadherin short form;Medin	MFGE8	CTSD/PBS	MFGE8	not considered/background	-0,798893132	-0,587172939	2
2037	Q08623-3;Q08623;Q08623-4	Pseudouridine-5-phosphatase	HDHD1	CTSD/PBS	HDHD1	not considered/background			0
2038	Q08722;Q08722-4;Q08722-3;H7BYS8	Leukocyte surface antigen CD47	CD47	CTSD/PBS	CD47	not considered/background	0,034638318	0,141971247	2
2039	Q08AM6;H3BUU8;Q08AM6-2;H3BQD5	Protein VAC14 homolog	VAC14	CTSD/PBS	VAC14	not considered/background	-0,320342003	0,052326363	2
2041	Q10567-2;Q10567;Q10567-3;Q10567	AP-1 complex subunit beta-1	AP1B1	CTSD/PBS	AP1B1	not considered/background	-0,39242112	0,338177447	2
2042	Q10713;Q10713-2;Q55XN9	Mitochondrial-processing peptidase subunit alpha	PMPCA	CTSD/PBS	PMPCA	not considered/background	0,402503901	0,510785921	2
2043	Q12765;Q12765-2;Q12765-3;C9K052	Secernin-1	SCRN1	CTSD/PBS	SCRN1	not considered/background	-0,017183437	-0,27596058	2
2044	Q12792;Q12792-3;Q12792-4;F8VS81;	Twinfilin-1	TWF1	CTSD/PBS	TWF1	not considered/background			0
2045	Q12797-10;Q12797	Aspartyl/asparaginyl beta-hydroxylase	ASPH	CTSD/PBS	ASPH	not considered/background			0
2046	Q12846;C9JFM5;Q12846-2;H3BMK2;J	Syntaxin-4	STX4	CTSD/PBS	STX4	not considered/background	-0,121282505	-0,019061365	2
2047	Q12860;Q12860-2;Q12860-3;F8VUI9;	Contactin-1	CNTN1	CTSD/PBS	CNTN1	not considered/background	-0,2804573	-0,144176924	2
2048	Q12904;Q12904-2;A0A5F9ZHC5;D6R9	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1;Endothelial monocyte-a	AIMP1	CTSD/PBS	AIMP1	not considered/background	0,393086655	0,165353499	2
2049	Q12906-5;Q12906-4;Q12906-2;Q129	Interleukin enhancer-binding factor 3	ILF3	CTSD/PBS	ILF3	not considered/background	0,066399229		1
2050	Q12907;D6RBV2;D6RIU4;D6RDX1;D6	Vesicular integral-membrane protein VIP36	LMAN2	CTSD/PBS	LMAN2	not considered/background	0,212258044	-0,080657663	2
2051	Q12931-2;Q12931;I3L0K7;I3L239;I3L	Heat shock protein 75 kDa, mitochondrial	TRAP1	CTSD/PBS	TRAP1	not considered/background	0,199122642	0,320504136	2
2053	Q12981;Q12981-1;Q12981-2;Q12981	Vesicle transport protein SEC20	BNIP1	CTSD/PBS	BNIP1	not considered/background			0
2054	Q13011;M0R248;M0QZW4;M0QX57;H	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	ECH1	CTSD/PBS	ECH1	not considered/background	0,362890643	0,256390248	2
2055	Q13057;Q13057-2;K7ESK6;K7E573;K7	Bifunctional coenzyme A synthase;Phosphopantetheine adenylyltransferase;Dephospho-CoA kina	COASY	CTSD/PBS	COASY	not considered/background	0,321697245		1
2057	Q13151	Heterogeneous nuclear ribonucleoprotein A0	HNRNPA0	CTSD/PBS	HNRNPA0	not considered/background		0,236622422	1
2058	Q13153;E9PM17;B3KNX7;Q13153-2;H	Serine/threonine-protein kinase PAK 1;Non-specific serine/threonine protein kinase	PAK1	CTSD/PBS	PAK1	not considered/background			0
2059	Q13155;A8MU58;Q13155-2	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	AIMP2	CTSD/PBS	AIMP2	not considered/background	0,128821281	0,193519204	2
2060	Q13162;H7C3T4;A6NJJ0;A6NG45	Peroxiredoxin-4	PRDX4	CTSD/PBS	PRDX4	not considered/background	0,324119326	0,164108255	2
2061	Q13177;H7C1X3	Serine/threonine-protein kinase PAK 2;PAK-2p27;PAK-2p34	PAK2	CTSD/PBS	PAK2	not considered/background	-0,136521383	-0,185866545	2
2062	Q13200;Q13200-3;Q13200-2;H7C1H2	26S proteasome non-ATPase regulatory subunit 2	PSMD2	CTSD/PBS	PSMD2	not considered/background	-0,028057375	0,050114007	2
2063	Q13217;X6R9L0	DnaJ homolog subfamily C member 3	DNAJC3	CTSD/PBS	DNAJC3	not considered/background	0,17951105		1

2064	Q13232;H3BPR2	Nucleoside diphosphate kinase 3;Nucleoside diphosphate kinase	NME3	CTSD/PBS	NME3	not considered/background			0
2065	Q13308-3;Q13308-2;Q13308;Q13308	Inactive tyrosine-protein kinase 7	PTK7	CTSD/PBS	PTK7	not considered/background	-0,265067152		1
2066	Q13363-2;Q13363;D6RAX2;E7ESU7;E	C-terminal-binding protein 1	CTBP1	CTSD/PBS	CTBP1	not considered/background	-0,03343664	-0,128029389	2
2067	Q13405;H0YDP7;E9PI78;E9PNF1	39S ribosomal protein L49, mitochondrial	MRPL49	CTSD/PBS	MRPL49	not considered/background	0,486971744		1
2068	Q13409;Q13409-5;Q13409-2;Q13409	Cytoplasmic dynein 1 intermediate chain 2	DYNC1I2	CTSD/PBS	DYNC1I2	not considered/background	-0,196243935	0,135126479	2
2069	Q13423;A0A590UK15;E9PCX7;A0A59	NAD(P) transhydrogenase, mitochondrial	NNT	CTSD/PBS	NNT	not considered/background	-0,00736207	0,145908575	2
2070	Q13432-2;Q13432;K7EJU3;K7EN86;C	Protein unc-119 homolog A;Protein unc-119 homolog B	UNC119;UNC119B	CTSD/PBS	UNC119	not considered/background			0
2071	Q13433;K7EQ91;Q13433-2	Zinc transporter ZIP6	SLC39A6	CTSD/PBS	SLC39A6	not considered/background	0,084744621	0,335935921	2
2072	Q13438-6;Q13438-5;Q13438-2;Q1341	Protein OS-9	OS9	CTSD/PBS	OS9	not considered/background			0
2073	Q13442;F8WBW6	28 kDa heat- and acid-stable phosphoprotein	PDAP1	CTSD/PBS	PDAP1	not considered/background	0,093560176	-0,132642643	2
2074	Q13445;K7EIN4;K7EQ63	Transmembrane emp24 domain-containing protein 1	TMED1	CTSD/PBS	TMED1	not considered/background			0
2075	Q13454-2;D6RDV0;D6RA37;D6RIY7;Q	Tumor suppressor candidate 3	TUSC3	CTSD/PBS	TUSC3	not considered/background			0
2077	Q13491-4;B7Z613;Q13491-3;B7Z248;	Neuronal membrane glycoprotein M6-b	GPM6B	CTSD/PBS	GPM6B	not considered/background	-0,045356989	0,146690944	2
2078	Q13492-3;Q13492-2;Q13492-5;Q1341	Phosphatidylinositol-binding clathrin assembly protein	PICALM	CTSD/PBS	PICALM	not considered/background	-0,605507809	-0,562083643	2
2079	Q13505-3;Q13505;Q13505-2	Metaxin-1	MTX1	CTSD/PBS	MTX1	not considered/background	0,370275897	0,234057962	2
2080	Q13509;A0A0B4J269;Q13509-2;G3V2	Tubulin beta-3 chain	TUBB3	CTSD/PBS	TUBB3	not considered/background	-0,221236324	-0,282380495	2
2081	Q13526;K7EN45;K7EMU7	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	PIN1	CTSD/PBS	PIN1	not considered/background	0,023184369	-0,197991166	2
2083	Q13554-4;Q13554-8;Q13554-5;Q1351	Calcium/calmodulin-dependent protein kinase type II subunit beta	CAMK2B	CTSD/PBS	CAMK2B	not considered/background	0,027861775	-0,421371433	2
2084	Q13561;Q13561-3;Q13561-2;F8W1I6	Dynactin subunit 2	DCTN2	CTSD/PBS	DCTN2	not considered/background	-0,065143859	-0,034638318	2
2085	Q13564-3;Q13564-2;Q13564;Q13564	NEDD8-activating enzyme E1 regulatory subunit	NAE1	CTSD/PBS	NAE1	not considered/background			0
2086	Q13572;G3V588;G3V5A3;G3V4M9;Q1	Inositol-tetrakisphosphate 1-kinase	ITPK1	CTSD/PBS	ITPK1	not considered/background			0
2087	Q13585	Melatonin-related receptor	GPR50	CTSD/PBS	GPR50	not considered/background	0,047119549	-0,035483152	2
2088	Q13618-2;Q13618;Q13618-3;A0A087	Cullin-3	CUL3	CTSD/PBS	CUL3	not considered/background	-0,142082684	0,040229845	2
2089	Q13620-3;Q13620-1;A0A669KAX4;K4	Cullin-4B	CUL4B	CTSD/PBS	CUL4B	not considered/background	-0,339418161	-0,02034218	2
2090	Q13641	Trophoblast glycoprotein	TPBG	CTSD/PBS	TPBG	not considered/background	-0,284581018	-0,207518077	2
2091	Q13642-4;Q13642-5;Q13642-1;Q1361	Four and a half LIM domains protein 1	FHL1	CTSD/PBS	FHL1	not considered/background	-0,107197112	-0,308127844	2
2092	Q13724;Q13724-2;A0A3B3IRK6;A0A3	Mannosyl-oligosaccharide glucosidase	MOGS	CTSD/PBS	MOGS	not considered/background	0,131326075	0,247696701	2
2093	Q13740-2;Q13740;F5GXJ9;H7C543;Q	CD166 antigen	ALCAM	CTSD/PBS	ALCAM	not considered/background	0,087598618	0,286761698	2
2094	Q13825;Q13825-2	Methylglutaconyl-CoA hydratase, mitochondrial	AUH	CTSD/PBS	AUH	not considered/background	0,218843151	0,101520744	2
2095	Q13867;J3KSD8;K7ES02;K7ESE8;K7EN	Bleomycin hydrolase	BLMH	CTSD/PBS	BLMH	not considered/background	0,141301988	0,004812191	2
2097	Q13907-2;Q13907;C9JD53	Isopentenyl-diphosphate Delta-isomerase 1	IDI1	CTSD/PBS	IDI1	not considered/background	-0,060412323	0,284528301	2
2098	Q14008-2;Q14008;Q14008-3;E9PQH5	Cytoskeleton-associated protein 5	CKAP5	CTSD/PBS	CKAP5	not considered/background	-0,123009682	0,099741788	2
2100	Q14019;H3BT58	Coactosin-like protein	COTL1	CTSD/PBS	COTL1	not considered/background		-0,301821736	1
2101	Q14088	Ras-related protein Rab-33A	RAB33A	CTSD/PBS	RAB33A	not considered/background			0
2102	Q14103-3;Q14103;H0YA96;D6RAF8;H	Heterogeneous nuclear ribonucleoprotein D0	HNRNPD	CTSD/PBS	HNRNPD	not considered/background	-0,039888682	0,141907573	2
2103	Q14118	Dystroglycan;Alpha-dystroglycan;Beta-dystroglycan	DAG1	CTSD/PBS	DAG1	not considered/background			0
2104	Q14165;F5H1S8;H0YG07;F5GX14	Malectin	MLEC	CTSD/PBS	MLEC	not considered/background	0,122076304	-0,035060797	2
2105	Q14166	Tubulin--tyrosine ligase-like protein 12	TTLL12	CTSD/PBS	TTLL12	not considered/background	-0,19794744		1
2107	Q14194;E9PD68	Dihydropyrimidinase-related protein 1	CRMP1	CTSD/PBS	CRMP1	not considered/background	-0,128440188	-0,001874286	2
2108	Q14194-2	Dihydropyrimidinase-related protein 1	CRMP1	CTSD/PBS	CRMP1	not considered/background	-0,18337572	-0,032241931	2
2109	Q14195-2;Q14195;H0YBT4;H0YB87;D	Dihydropyrimidinase-related protein 3	DPYSL3	CTSD/PBS	DPYSL3	not considered/background	-0,094818567	-0,156914315	2
2110	Q14203-2;Q14203-6;Q14203;Q14203	Dynactin subunit 1	DCTN1;DKFZp686E0752	CTSD/PBS	DCTN1	not considered/background	-0,079981162	0,055321434	2
2111	Q14204;A0A2R8Y706;A0A2R8YFZ7;A0	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	CTSD/PBS	DYNC1H1	not considered/background	-0,107958761	0,075261592	2
2112	Q14240;Q14240-2;E7EQG2;J3KSN7	Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	EIF4A2	CTSD/PBS	EIF4A2	not considered/background	-0,097285794	-0,279292991	2
2113	Q14247-3;Q14247;Q14247-2;H0YEV2	Src substrate cortactin	CTTN	CTSD/PBS	CTTN	not considered/background	-0,743834723	-0,632175135	2
2114	Q14257;Q14257-2;H0YL43;A8MXP8	Reticulocalbin-2	RCN2	CTSD/PBS	RCN2	not considered/background	0,320542442	0,118570303	2
2116	Q14318-2;Q14318;U3KQ64;A0A0A0M	Peptidyl-prolyl cis-trans isomerase FKBP8	FKBP8	CTSD/PBS	FKBP8	not considered/background	0,019773069	-0,150819598	2
2117	Q14344;Q14344-2	Guanine nucleotide-binding protein subunit alpha-13	GNA13	CTSD/PBS	GNA13	not considered/background		-0,065572312	1
2118	Q14353-2;Q14353;A0A1W2PR36	Guanidinoacetate N-methyltransferase	GAMT	CTSD/PBS	GAMT	not considered/background		-0,558659484	1
2119	Q14376;Q5QPP1;Q5QPP3;Q5QPP4;Q1	UDP-glucose 4-epimerase	GALE	CTSD/PBS	GALE	not considered/background	0,441695937	0,510683145	2
2120	Q14444-2;Q14444;E9PLA9;G3V153	Caprin-1	CAPRIN1	CTSD/PBS	CAPRIN1	not considered/background			0
2121	Q14542;Q14542-3;G5E943	Equilibrative nucleoside transporter 2	SLC29A2	CTSD/PBS	SLC29A2	not considered/background			0
2122	Q14554;Q14554-2	Protein disulfide-isomerase A5	PDIA5	CTSD/PBS	PDIA5	not considered/background			0
2123	Q14558-2;Q14558;C9JNQ3	Phosphoribosyl pyrophosphate synthase-associated protein 1	PRPSAP1	CTSD/PBS	PRPSAP1	not considered/background			0
2124	Q5T1B5;Q14642;H0Y2W5;Q5T1B3;B1	Type I inositol 1,4,5-trisphosphate 5-phosphatase	INPP5A	CTSD/PBS	INPP5A	not considered/background	0,253989266		1
2127	Q14696;H0YLI4;Q14696-2	LDLR chaperone MESD	MESDC2	CTSD/PBS	MESDC2	not considered/background	0,421586873	0,163865801	2
2128	Q14697;F5H6X6;Q14697-3	Neutral alpha-glucosidase AB	GANAB	CTSD/PBS	GANAB	not considered/background	0,005615567	0,093925239	2
2130	Q14699;G3XAJ6;C9JHG2;C9JRN3;U3K	Raftlin	RFTN1	CTSD/PBS	RFTN1	not considered/background	-0,145748961	-0,332163688	2
2131	Q14789-4;Q14789-3;Q14789;Q14789	Golgin subfamily B member 1	GOLGB1	CTSD/PBS	GOLGB1	not considered/background			0
2132	Q14847;Q14847-2;C9J9W2;Q14847-3	LIM and SH3 domain protein 1	LASP1	CTSD/PBS	LASP1	not considered/background	0,204766751	-0,207018226	2
2133	Q14974;Q14974-2;J3KTM9;J3QR48;J3	Importin subunit beta-1	KPNB1	CTSD/PBS	KPNB1	not considered/background	-0,207327859	-0,030265443	2
2134	Q14982-2;Q14982;Q14982-4;Q14982	Opioid-binding protein/cell adhesion molecule	OPCML	CTSD/PBS	OPCML	not considered/background	0,133037379	-0,004896843	2
2135	Q14CX7-2;Q14CX7	N-alpha-acetyltransferase 25, NatB auxiliary subunit	NAA25	CTSD/PBS	NAA25	not considered/background			0
2136	Q15006;H0YAS9	ER membrane protein complex subunit 2	EMC2	CTSD/PBS	EMC2	not considered/background	0,182565182	0,607880446	2
2137	Q15008;Q15008-4;Q15008-3;Q15008	26S proteasome non-ATPase regulatory subunit 6	PSMD6	CTSD/PBS	PSMD6	not considered/background	0,230571942	-0,126047755	2
2138	Q15018	BRISC complex subunit Abro1	FAM175B	CTSD/PBS	FAM175B	not considered/background			0
2139	Q15019-2;Q15019-3;Q15019;B5MCX	Septin-2	SEPT2	CTSD/PBS	SEPT2	not considered/background		-0,253747285	1
2140	Q15031;E9PHM2;A0A499FJL2;A0A49	Probable leucine--tRNA ligase, mitochondrial	LARS2	CTSD/PBS	LARS2	not considered/background	0,215989154	0,05626617	2
2141	Q15042-3;Q15042;Q15042-4	Rab3 GTPase-activating protein catalytic subunit	RAB3GAP1	CTSD/PBS	RAB3GAP1	not considered/background			0
2142	Q15046;Q15046-2;H3BVA8;J3KRL2;H	Lysine--tRNA ligase	KARS	CTSD/PBS	KARS	not considered/background	0,180657108	0,2183801	2
2143	Q15056-2;Q15056	Eukaryotic translation initiation factor 4H	EIF4H	CTSD/PBS	EIF4H	not considered/background	0,158466295	-0,044184258	2
2144	Q15067-2;Q15067;Q15067-3;K7ENF1	Peroxisomal acyl-coenzyme A oxidase 1	ACOX1	CTSD/PBS	ACOX1	not considered/background	0,057276965	-0,134089481	2
2145	Q15075	Early endosome antigen 1	EEA1	CTSD/PBS	EEA1	not considered/background	-0,17830611	0,021028307	2
2146	Q15084-3;Q15084;Q15084-4;Q15084	Protein disulfide-isomerase A6	PDIA6	CTSD/PBS	PDIA6	not considered/background	0,147176427	0,023035214	2
2147	Q15102;M0R389;M0R1K3;M0QZT2;M	Platelet-activating factor acetylhydrolase IB subunit gamma	PAFAH1B3	CTSD/PBS	PAFAH1B3	not considered/background	0,061292338	-0,015354834	2
2148	Q15111;Q15111-2;H3BUD4;A0A0A0M	Inactive phospholipase C-like protein 1;Phosphoinositide phospholipase C	PLCL1	CTSD/PBS	PLCL1	not considered/background			0
2149	Q15118;Q15118-2;C9IYB4;C9JKT3;F8V	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial	PDK1	CTSD/PBS	PDK1	not considered/background	0,007769594	0,204914671	2
2150	Q15120;Q15120-2	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial	PDK3	CTSD/PBS	PDK3	not considered/background		0,300483902	1
2151	Q15121-2;Q15121;B1AKZ5	Astrocytic phosphoprotein PEA-15	PEA15	CTSD/PBS	PEA15	not considered/background		-0,309292623	1
2152	Q15125;C9J719;C9JJ78;A0A494C0F3	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase	EBP	CTSD/PBS	EBP	not considered/background			0
2153	Q15126	Phosphomevalonate kinase	PMVK	CTSD/PBS	PMVK	not considered/background		-0,199625236	1
2154	Q15147-2;Q15147;Q15147-5;Q15147	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4	PLCB4	CTSD/PBS	PLCB4	not considered/background			0
2155	Q15149-7;Q15149-8;Q15149-9;Q1511	Plectin	PLEC	CTSD/PBS	PLEC	not considered/background			0
2156	Q15173-2;Q15173;E9PNY3;E9PQN5	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform	PPP2R5B	CTSD/PBS	PPP2R5B	not considered/background	0,129085148	0,183490401	2
2157	Q15181;Q5SQT6	Inorganic pyrophosphatase	PPA1	CTSD/PBS	PPA1	not considered/background	-0,096298397	-0,011495639	2
2158	Q15223;Q15223-3;Q15223-2	Nectin-1	PVRL1	CTSD/PBS	PVRL1	not considered/background	0,118093889	0,000577193	2
2159	Q15233-2;Q15233;C9JZL7;H7C367;C9	Non-POU domain-containing octamer-binding protein	NONO	CTSD/PBS	NONO	not considered/background	0,42320165		1
2160	Q15276;Q15276-2;K7ENJ9;I3L2B8	Rab GTPase-binding effector protein 1	RABEP1	CTSD/PBS	RABEP1	not considered/background		0,152852931	1
2161	Q15286;F5H157;Q15286-2;E9PQ07;E	Ras-related protein Rab-35	RAB35	CTSD/PBS	RAB35	not considered/background	0,055889758	0,051100179	2
2162	Q15293;Q15293-2;E9PP27	Reticulocalbin-1	RCN1	CTSD/PBS	RCN1	not considered/background	0,028710586	0,135855465	2
2163	Q15363;F5GX39;E7EQ72	Transmembrane emp24 domain-containing protein 2	TMED2	CTSD/PBS	TMED2	not considered/background	0,08827731	0,003003931	2
2164	Q15365;F8VTZ0;H3BSP4;C9K0A2;F8W	Poly(rC)-binding protein 1	PCBP1	CTSD/PBS	PCBP1	not considered/background	0,09990111	-0,114233744	2
2165	Q15366-4;Q15366-3;Q15366-7;Q153	Poly(rC)-binding protein 2;Poly(rC)-binding protein 3	PCBP2;PCBP3	CTSD/PBS	PCBP2	not considered/background	-0,019243481	0,012737352	2
2166	Q15370;Q15370-2;B8ZZU8;I3L0M9;A0	Transcription elongation factor B polypeptide 2	TCEB2	CTSD/PBS	TCEB2	not considered/background			0
2167	Q15382;C9J931;C9J469;F8WBL3	GTP-binding protein Rheb	RHEB	CTSD/PBS	RHEB	not considered/background	0,07956585		1
2169	Q15417;Q15417-3;Q15417-2;E9PDU6	Calponin-3;Calponin	CNN3	CTSD/PBS	CNN3	not considered/background		-0,473734968	1
2170	Q15435;Q15435-3;C9JD73;C9J177;Q	Protein phosphatase 1 regulatory subunit 7	PPP1R7	CTSD/PBS	PPP1R7	not considered/background	0,117030053	-0,331246599	2
2171	Q15555-5;Q15555-4;Q15555-3;Q155	Microtubule-associated protein RP/EB family member 2	MAPRE2	CTSD/PBS	MAPRE2	not considered/background	0,092342769	-0,05338942	2
2172	Q15691	Microtubule-associated protein RP/EB family member 1	MAPRE1	CTSD/PBS	MAPRE1	not considered/background	-0,083431637	-0,210513552	2
2173	Q15738;C9JDR0	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	NSDHL	CTSD/PBS	NSDHL	not considered/background	0,157690514	0,096005394	2
2174	Q15768	Ephrin-B3	EFNB3	CTSD/PBS	EFNB3	not considered/background	0,146264195	-0,155101558	2
2175	Q15771;E9PI18;E9PRF7;E9PNB9;E9PS	Ras-related protein Rab-30	RAB30	CTSD/PBS	RAB30	not considered/background			0
2176	Q15800;D6RDP9;D6R952;Q15800-2;E	Methylsterol monooxygenase 1	MSMO1	CTSD/PBS	MSMO1	not considered/background		0,143324986	1
2178	Q15818	Neuronal pentraxin-1	NPTX1	CTSD/PBS	NPTX1	not considered/background			0
2179	Q15819;G3V113;H0YBP9;E5RIF1;D6R	Ubiquitin-conjugating enzyme E2 variant 2	UBE2V2	CTSD/PBS	UBE2V2	not considered/background	-0,163801153	-0,261590989	2
2181	Q15843	NEDD8	NEDD8	CTSD/PBS	NEDD8	not considered/background		0,20756107	1
2182	Q15904;A0A0C4DGX8;A6NLC6;A6QRJ	V-type proton ATPase subunit S1	ATP6AP1	CTSD/PBS	ATP6AP1	not considered/background	-0,202721342	0,049695835	2
2183	Q15907;Q15907-2;P62491-2;H3BMH	Ras-related protein Rab-11B;Ras-related protein Rab-11A	RAB11B;RAB11A	CTSD/PBS	RAB11B	not considered/background	-0,060592862	-0,047259175	2
2184	Q16134;Q16134-3;D6RAD5	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	ETFDH	CTSD/PBS	ETFDH	not considered/background	-0,037547222	-0,055334502	2
2185	Q16143;G4Y816	Beta-synuclein	SNCB	CTSD/PBS	SNCB	not considered/background		-0,364236231	1
2186	Q16204	Coiled-coil domain-containing protein 6	CCDC6	CTSD/PBS	CCDC6	not considered/background	-0,061465781		1
2187	Q16352	Alpha-internexin	INA	CTSD/PBS	INA	not considered/background	-0,727069065	-0,787683201	2
2188	Q16401;Q16401-2;F2Z3J2	26S proteasome non-ATPase regulatory subunit 5	PSMD5	CTSD/PBS	PSMD5	not considered/background			0
2189	Q16531;F5GY55;F5GWI0;F5H2L3;F5G	DNA damage-binding protein 1	DDB1	CTSD/PBS	DDB1	not considered/background	-0,188035825	0,229551495	2
2190	Q16537;Q16537-2;Q16537-3	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform	PPP2R5E	CTSD/PBS	PPP2R5E	not considered/background	0,133432007	-0,237074171	2
2191	Q16543;K7EQA9;K7EL68;K7EKQ2;K7EI	Hsp90 co-chaperone Cdc37;Hsp90 co-chaperone Cdc37, N-terminally processed	CDC37	CTSD/PBS	CDC37	not considered/background	-0,19236481	-0,243547227	2
2193	Q16568	Cocaine- and amphetamine-regulated transcript protein;CART(1-39);CART(42-89)	CARTPT	CTSD/PBS	CARTPT	not considered/background	0,149259365	-0,572113556	2
2194	Q16623;Q16623-3;Q16623-2;A0A0C4	Syntaxin-1A	STX1A	CTSD/PBS	STX1A	not considered/background	0,001441974	-0,046700587	2
2195	Q16643;Q16643-3;D6R9W4;Q16643-	Drebrin	DBN1	CTSD/PBS	DBN1	not considered/background	-0,330610338	-0,255319441	2
2196	Q16658;C9JFC0;A0A0A0MSB2;C9JPH5	Fascin	FSCN1	CTSD/PBS	FSCN1	not considered/background	0,014783753	-0,048236186	2
2198	Q16698-2;Q16698;E5RJG7;E5RFV2;E5	2,4-dienoyl-CoA reductase, mitochondrial	DECR1	CTSD/PBS	DECR1	not considered/background	0,014069583		1
2199	Q16720-8;Q16720-7;Q16720-6;Q167	Plasma membrane calcium-transporting ATPase 3	ATP2B3	CTSD/PBS	ATP2B3	not considered/background	0,059770581	0,176641932	2
2200	Q16775;H3BPK3;Q16775-2;H3BPQ4;H	Hydroxyacylglutathione hydrolase, mitochondrial	HAGH	CTSD/PBS	HAGH	not considered/background	0,156784908	-0,018918982	2
2201	Q16795;A0A3B3ISG8;F5H0J3;H3BRM	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	NDUFA9	CTSD/PBS	NDUFA9	not considered/background	-0,100282977	-0,033088169	2
2202	Q16798;E9PMB9;Q16798-2;Q6TCH8;E	NADP-dependent malic enzyme, mitochondrial;Malic enzyme	ME3	CTSD/PBS	ME3	not considered/background	0,034356597	0,140237134	2
2203	Q16799;Q2NKQ5;Q16799-2;A8MT72	Reticulon-1;Reticulon	RTN1	CTSD/PBS	RTN1	not considered/background	-0,19523601	0,061089458	2
2204	Q16799-3	Reticulon-1	RTN1	CTSD/PBS	RTN1	not considered/background	-0,015024281	0,028189773	2
2205	Q16822;Q16822-2;H0YML5;Q16822-3	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial	PCK2	CTSD/PBS	PCK2	not considered/background		0,70580569	1
2206	Q16849-3;Q16849-2;Q16849;H7C0U5	Receptor-type tyrosine-protein phosphatase-like N	PTPRN	CTSD/PBS	PTPRN	not considered/background	0,218719182	0,276729788	2
2207	Q16851-2;Q16851;A0A087WYS1;E7EL	UTP--glucose-1-phosphate uridylyltransferase	UGP2	CTSD/PBS	UGP2	not considered/background	-0,340221545	-0,252415659	2
2208	Q16854;Q16854-2;Q16854-3;Q16854	Deoxyguanosine kinase, mitochondrial	DGUOK	CTSD/PBS	DGUOK	not considered/background		0,51622291	1
2209	Q16864;Q16864-2	V-type proton ATPase subunit F	ATP6V1F	CTSD/PBS	ATP6V1F	not considered/background			0
2210	Q16878	Cysteine dioxygenase type 1	CDO1	CTSD/PBS	CDO1	not considered/background			0
2211	Q16891-2;Q16891;B9A067;Q16891-4	MICOS complex subunit MIC60	IMMT	CTSD/PBS	IMMT	not considered/background	0,13395801	0,232040171	2
2212	Q24JP5;Q24JP5-2;Q24JP5-4;Q24JP5-3	Transmembrane protein 132A	TMEM132A	CTSD/PBS	TMEM132A	not considered/background	0,18599337	0,310897686	2
2213	Q2M2I8;Q2M2I8-2;E9PG46;A0A096LP	AP2-associated protein kinase 1	AAK1	CTSD/PBS	AAK1	not considered/background	-0,191853874	0,115284871	2
2214	Q2TAP0;M0R0R5	Golgin subfamily A member 7B	GOLGA7B	CTSD/PBS	GOLGA7B	not considered/background			0
2215	Q2Y0W8-8;Q2Y0W8-6;Q2Y0W8-7;Q2Y	Electroneutral sodium bicarbonate exchanger 1;Sodium-driven chloride bicarbonate exchanger;	SLC4A8;SLC4A10	CTSD/PBS	SLC4A8	not considered/background	-0,005232032	0,074091702	2
2217	Q32NB8;Q32NB8-2;K7EPX0;K7EJP6;K	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial	PGS1	CTSD/PBS	PGS1	not considered/background	0,476433536		1
2218	Q3KQU3-4;Q3KQU3;Q3KQU3-2;Q3KQU	MAP7 domain-containing protein 1	MAP7D1	CTSD/PBS	MAP7D1	not considered/background	0,05004888	0,201775252	2
2219	Q3LXA3;I3L252;H0YCY6;Q3LXA3-2	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing);ATP-dependent	DAK;TKFC	CTSD/PBS	DAK	not considered/background			0

2220	Q3SXM5;Q3SXM5-2;H3BQI7;H3BT52;H	Inactive hydroxysteroid dehydrogenase-like protein 1	HSDL1	CTSD/PBS	HSDL1	not considered/background	0,223793216	0,228824326	2
2222	Q3ZCM7;A0A075B736;Q5SQY0	Tubulin beta-8 chain	TUBB8	CTSD/PBS	TUBB8	not considered/background	-0,341372624	-0,473215434	2
2223	Q3ZCQ8;Q3ZCQ8-2;Q3ZCQ8-3;M0R0C	Mitochondrial import inner membrane translocase subunit TIM50	TIMM50	CTSD/PBS	TIMM50	not considered/background	0,497331335	0,04110537	2
2224	Q3ZCW2;F8WF17;B9A055;U3KQ88	Galectin-related protein;Galectin	LGALSL	CTSD/PBS	LGALSL	not considered/background		-0,08827731	1
2226	Q4G0F5;H0YCI7	Vacuolar protein sorting-associated protein 26B	VPS26B	CTSD/PBS	VPS26B	not considered/background	-0,042501373	0,299968733	2
2227	Q4G0N4;Q4G0N4-2;Q4G0N4-3;B7Z8V	NAD kinase 2, mitochondrial	NADK2	CTSD/PBS	NADK2	not considered/background	0,260748328	0,270521188	2
2228	Q4J6C6-4;Q4J6C6;Q4J6C6-2;Q4J6C6-3	Prolyl endopeptidase-like	PREPL	CTSD/PBS	PREPL	not considered/background			0
2229	Q4KMP7	TBC1 domain family member 10B	TBC1D10B	CTSD/PBS	TBC1D10B	not considered/background			0
2230	Q52LJ0-1;Q52LJ0	Protein FAM98B	FAM98B	CTSD/PBS	FAM98B	not considered/background			0
2232	Q53FP2	Transmembrane protein 35	TMEM35	CTSD/PBS	TMEM35	not considered/background	0,05963216	-0,044044333	2
2233	Q53GQ0;A0A1B0GV93;A0A1B0GVY6;E	Very-long-chain 3-oxoacyl-CoA reductase	HSD17B12	CTSD/PBS	HSD17B12	not considered/background	-0,028542895	-0,044184258	2
2234	Q53GT1;Q53GT1-3;C9J191	Kelch-like protein 22	KLHL22	CTSD/PBS	KLHL22	not considered/background			0
2235	Q53H12;A0A3B3IS20;E9PC15;A0A3B3	Acylglycerol kinase, mitochondrial	AGK	CTSD/PBS	AGK	not considered/background	0,340049473	0,331354374	2
2236	Q562R1	Beta-actin-like protein 2	ACTBL2	CTSD/PBS	ACTBL2	not considered/background			0
2237	Q56VL3;D6RD77;J3KPI9;Q56VL3-2	OCIA domain-containing protein 2	OCIAD2	CTSD/PBS	OCIAD2	not considered/background	0,300065137	0,236112563	2
2238	Q58EX2-2;Q58EX2-3;Q58EX2;Q58EX2-	Protein sidekick-2	SDK2	CTSD/PBS	SDK2	not considered/background			0
2240	Q59EK9-4;Q59EK9-2;Q59EK9-3;Q59EK	RUN domain-containing protein 3A	RUNDC3A	CTSD/PBS	RUNDC3A	not considered/background			0
2241	Q5BJF2;Q86XC5;J3KT68;J3KTD1	Transmembrane protein 97	TMEM97	CTSD/PBS	TMEM97	not considered/background	-0,031312013	-0,139076515	2
2243	Q5BJH7-3;Q5BJH7;Q5BJH7-4;Q5BJH7-	Protein YIF1B	YIF1B	CTSD/PBS	YIF1B	not considered/background			0
2244	Q5EB52-2;Q5EB52;C9JWU9;Q5EB52-3	Mesoderm-specific transcript homolog protein	MEST	CTSD/PBS	MEST	not considered/background	0,044044333	0,113410835	2
2246	Q5GH76	XK-related protein 4	XKR4	CTSD/PBS	XKR4	not considered/background			0
2247	Q9UNF1-2;Q5H909;Q9UNF1;Q5H907	Melanoma-associated antigen D2	MAGED2	CTSD/PBS	MAGED2	not considered/background	0,122738972	0,099602657	2
2248	Q5HYI8;C9JXM3	Rab-like protein 3	RABL3	CTSD/PBS	RABL3	not considered/background			0
2249	Q5JRA6;Q5JRA6-2;A0A0A0MRH6;Q5JR	Melanoma inhibitory activity protein 3	MIA3	CTSD/PBS	MIA3	not considered/background	-0,003350941	0,102573682	2
2250	Q5JRX3;Q5JRX3-2;Q5JRX3-3;A0A0A0	Presequence protease, mitochondrial	PITRM1	CTSD/PBS	PITRM1	not considered/background	0,336283388	0,312939312	2
2251	Q5JSH3-4;Q5JSH3-2;Q5JSH3;H7BY83;(	WD repeat-containing protein 44	WDR44	CTSD/PBS	WDR44	not considered/background			0
2252	Q5JTJ3-3;Q5JTJ3;Q5JTJ3-2	Cytochrome c oxidase assembly factor 6 homolog	COA6	CTSD/PBS	COA6	not considered/background			0
2253	Q5JTZ9	Alanine--tRNA ligase, mitochondrial	AARS2	CTSD/PBS	AARS2	not considered/background		0,354630352	1
2254	Q92796;Q5JUW8;Q92796-3;Q92796-2	Disks large homolog 3	DLG3	CTSD/PBS	DLG3	not considered/background	-0,020808742		1
2257	Q9NVS2-3;Q9NVS2;Q5QPA5;Q9NVS2-2	28S ribosomal protein S18a, mitochondrial	MRPS18A	CTSD/PBS	MRPS18A	not considered/background			0
2258	Q5QPM9;Q5QPM7;Q92530	Proteasome inhibitor PI31 subunit	PSMF1	CTSD/PBS	PSMF1	not considered/background			0
2259	Q5RI15;Q5RI15-2	Cytochrome c oxidase protein 20 homolog	COX20	CTSD/PBS	COX20	not considered/background	0,407950917		1
2260	Q9NQX5;Q5SPY9	Neural proliferation differentiation and control protein 1	NPDC1	CTSD/PBS	NPDC1	not considered/background	0,493544866		1
2261	Q5SQJ0-5;Q5SQJ0-4;Q5SQJ0;Q5SQJ0-7;	Alpha-tubulin N-acetyltransferase 1	ATAT1	CTSD/PBS	ATAT1	not considered/background	-0,205579975	-0,203890227	2
2262	Q5SW79;Q5SW79-2;Q5SW79-3;H0Y2\	Centrosomal protein of 170 kDa	CEP170	CTSD/PBS	CEP170	not considered/background	-0,009262921	0,083294071	2
2263	Q5SYC1	Clavesin-2	CLVS2	CTSD/PBS	CLVS2	not considered/background	0,287708686		1
2264	Q5T0D9;Q5T0D9-2	Tumor protein p63-regulated gene 1-like protein	TPRG1L	CTSD/PBS	TPRG1L	not considered/background	-0,514552563	-0,37717929	2
2265	Q5T123;Q9H299	SH3 domain-binding glutamic acid-rich-like protein 3	SH3BGRL3	CTSD/PBS	SH3BGRL3	not considered/background	-0,308162142		1
2269	Q5T440	Putative transferase CAF17, mitochondrial	IBA57	CTSD/PBS	IBA57	not considered/background			0
2270	Q5T4S7-3;Q5T4S7-4;Q5T4S7;Q5T4S7-2	E3 ubiquitin-protein ligase UBR4	UBR4	CTSD/PBS	UBR4	not considered/background			0
2271	Q5T5C0-3;Q5T5C0-2;Q5T5C0;Q3B794	Syntaxin-binding protein 5	STXBP5	CTSD/PBS	STXBP5	not considered/background		-0,331017236	1
2272	Q5T6H7;Q9NQW7-2;Q9NQW7;Q9NQV	Xaa-Pro aminopeptidase 1	XPNPEP1	CTSD/PBS	XPNPEP1	not considered/background	-0,198394323	-0,209016592	2
2273	Q5T749	Keratinocyte proline-rich protein	KPRP	CTSD/PBS	KPRP	not considered/background			0
2274	Q5T8A0;Q9Y399	28S ribosomal protein S2, mitochondrial	MRPS2	CTSD/PBS	MRPS2	not considered/background	0,845831239	0,58582116	2
2276	Q5T9L3;Q5T9L3-2;E9PM62;Q5T9L3-3;	Protein wntless homolog	WLS	CTSD/PBS	WLS	not considered/background		-0,233642683	1
2277	Q5TAW7;Q9H9S4;B7ZBJ5;B7ZBJ4;B7Z	Calcium-binding protein 39-like	CAB39L	CTSD/PBS	CAB39L	not considered/background			0
2279	Q5TB53;Q9HD45	Transmembrane 9 superfamily member 3	TM9SF3	CTSD/PBS	TM9SF3	not considered/background		-1,036397831	1
2280	Q5TH69	Brefeldin A-inhibited guanine nucleotide-exchange protein 3	ARFGEF3	CTSD/PBS	ARFGEF3	not considered/background			0
2281	Q5VWJ9	Sorting nexin-30	SNX30	CTSD/PBS	SNX30	not considered/background			0
2282	Q5VWZ2;Q5VWZ2-2	Lysophospholipase-like protein 1	LYPLAL1	CTSD/PBS	LYPLAL1	not considered/background	0,390447578	-0,231186613	2
2284	Q7L523;Q5VZM2-2;Q5VZM0;Q5VZM2	Ras-related GTP-binding protein A;Ras-related GTP-binding protein B	RRAGA;RRAGB	CTSD/PBS	RRAGA	not considered/background		-0,147176427	1
2285	Q9H4G4;Q5VZR0;A0A087WUM5	Golgi-associated plant pathogenesis-related protein 1	GLIPR2	CTSD/PBS	GLIPR2	not considered/background			0
2286	Q5W111;Q5W111-2	SPRY domain-containing protein 7	SPRYD7	CTSD/PBS	SPRYD7	not considered/background	0,164528861		1
2287	Q5XUX1-2;Q5XUX1;K7EL01	F-box/WD repeat-containing protein 9	FBXW9	CTSD/PBS	FBXW9	not considered/background			0
2288	Q66K74;Q66K74-2;M0R1M7	Microtubule-associated protein 1S;MAP1S heavy chain;MAP1S light chain	MAP1S	CTSD/PBS	MAP1S	not considered/background	-0,165984617	0,154634403	2
2289	Q68D91;Q68D91-2	Metallo-beta-lactamase domain-containing protein 2	MBLAC2	CTSD/PBS	MBLAC2	not considered/background	0,032947164	-0,195347598	2
2291	Q6DKK2;K7EJA1	Tetratricopeptide repeat protein 19, mitochondrial	TTC19	CTSD/PBS	TTC19	not considered/background		0,783737611	1
2292	Q6F5E8;Q6F5E8-2;R4GMZ7	Leucine-rich repeat-containing protein 16C	RLTPR	CTSD/PBS	RLTPR	not considered/background			0
2293	Q6IAA8;F5GX19;F5H3Y3;H0YFI1;F5H4	Ragulator complex protein LAMTOR1	LAMTOR1	CTSD/PBS	LAMTOR1	not considered/background	-0,021423608	-0,2880632	2
2294	Q6KCM7;Q6KCM7-4;Q6KCM7-5;Q6KCI	Calcium-binding mitochondrial carrier protein SCaMC-2	SLC25A25	CTSD/PBS	SLC25A25	not considered/background	0,190425227		1
2295	Q6L8Q7;F6T1Q0;Q6L8Q7-2	2,5-phosphodiesterase 12	PDE12	CTSD/PBS	PDE12	not considered/background	0,40042863	0,018278839	2
2296	Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	CTSD/PBS	KIAA1161	not considered/background			0
2298	Q6NUK1;Q6NUK1-2;A0A3B3IU96;J3KP	Calcium-binding mitochondrial carrier protein SCaMC-1	SLC25A24	CTSD/PBS	SLC25A24	not considered/background	0,178873958	0,323678424	2
2299	Q6NUQ4-2;Q6NUQ4;H7BZI0;H7C008;H	Transmembrane protein 214	TMEM214	CTSD/PBS	TMEM214	not considered/background			0
2300	Q6NVY1;Q6NVY1-2;B8ZZZ0;B9A058;F8	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	HIBCH	CTSD/PBS	HIBCH	not considered/background	0,235972083	0,339911093	2
2301	Q6P1L8	39S ribosomal protein L14, mitochondrial	MRPL14	CTSD/PBS	MRPL14	not considered/background			0
2302	Q6P1M0;Q6P1M0-2	Long-chain fatty acid transport protein 4	SLC27A4	CTSD/PBS	SLC27A4	not considered/background	0,124857467	0,125399734	2
2303	Q6P1N0-2;Q6P1N0;K7EJY5;K7EMP1	Coiled-coil and C2 domain-containing protein 1A	CC2D1A	CTSD/PBS	CC2D1A	not considered/background			0
2304	Q6P4A7;Q6P4A7-2;B1AMV7;Q6P4A7-3	Sideroflexin-4	SFXN4	CTSD/PBS	SFXN4	not considered/background	-0,315450531		1
2305	Q6P4Q7-2;Q6P4Q7	Metal transporter CNNM4	CNNM4	CTSD/PBS	CNNM4	not considered/background			0
2306	Q6P587;Q6P587-2;Q6P587-3	Acylpyruvase FAHD1, mitochondrial	FAHD1	CTSD/PBS	FAHD1	not considered/background	0,323773564	0,1938492	2
2307	Q6P995	Protein FAM171B	FAM171B	CTSD/PBS	FAM171B	not considered/background			0
2308	Q6P986;H3BUB0;H3BM75	TLD domain-containing protein 1	TLDC1	CTSD/PBS	TLDC1	not considered/background	-0,177620628	-0,131984509	2
2309	Q6PCE3	Glucose 1,6-bisphosphate synthase	PGM2L1	CTSD/PBS	PGM2L1	not considered/background	0,055195654	0,116785854	2
2310	Q6PI78	Transmembrane protein 65	TMEM65	CTSD/PBS	TMEM65	not considered/background	0,417163907	0,359268029	2
2312	Q6PKG0;Q6PKG0-3;A0A0B4J210;H0YC	La-related protein 1	LARP1	CTSD/PBS	LARP1	not considered/background	-0,290056549	-0,009060468	2
2313	Q6PML9	Zinc transporter 9	SLC30A9	CTSD/PBS	SLC30A9	not considered/background			0
2315	Q6SZW1;Q6SZW1-2;J3KSG7;J3KRZ6;J3	Sterile alpha and TIR motif-containing protein 1	SARM1	CTSD/PBS	SARM1	not considered/background	-0,143181589		1
2316	Q6T4P5;Q6T4P5-2;Q6T4P5-3;Q6T4P5-	Lipid phosphate phosphatase-related protein type 3	LPPR3	CTSD/PBS	LPPR3	not considered/background	0,094506339	-0,023752136	2
2317	Q6UX07;Q6UX07-2;Q6UX07-3	Dehydrogenase/reductase SDR family member 13	DHRS13	CTSD/PBS	DHRS13	not considered/background	0,160145725		1
2319	Q6UXK5	Leucine-rich repeat neuronal protein 1	LRRN1	CTSD/PBS	LRRN1	not considered/background			0
2320	Q6VY07;Q6VY07-2;B4DF77;H0YF56;E9	Phosphofurin acidic cluster sorting protein 1	PACS1	CTSD/PBS	PACS1	not considered/background	-0,057466728	0,171011038	2
2321	Q6Y1H2;H7C4K8;C9JWG1	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2	HACD2	CTSD/PBS	HACD2	not considered/background	0,015069322	-0,008917095	2
2322	Q6YN16;Q6YN16-2	Hydroxysteroid dehydrogenase-like protein 2	HSDL2	CTSD/PBS	HSDL2	not considered/background	-0,205130861	-0,213751646	2
2323	Q6YP21-3;Q6YP21;A0A0A0MRN7;Q6YI	Kynurenine--oxoglutarate transaminase 3	CCBL2	CTSD/PBS	CCBL2	not considered/background	-0,156884445	-0,219462839	2
2324	Q6ZMG9;Q6ZMG9-2	Ceramide synthase 6	CERS6	CTSD/PBS	CERS6	not considered/background	-0,315719849	-0,064469017	2
2325	Q6ZMI0-2;Q6ZMI0;Q6ZMI0-4;Q6ZMI0-	Protein phosphatase 1 regulatory subunit 21	PPP1R21	CTSD/PBS	PPP1R21	not considered/background	-0,251710527		1
2326	Q6ZN28	Metastasis-associated in colon cancer protein 1	MACC1	CTSD/PBS	MACC1	not considered/background		-0,079702372	1
2327	Q6ZVF9	G protein-regulated inducer of neurite outgrowth 3	GPRIN3	CTSD/PBS	GPRIN3	not considered/background	0,001441974	-0,042924445	2
2328	Q6ZXV5;Q6ZXV5-2;F8VRY4	Transmembrane and TPR repeat-containing protein 3	TMTC3	CTSD/PBS	TMTC3	not considered/background			0
2329	Q71RG4-3;Q71RG4-2;Q71RG4;K7EKW	Transmembrane and ubiquitin-like domain-containing protein 2	TMUB2	CTSD/PBS	TMUB2	not considered/background	0,008486889		1
2330	Q71U36;Q71U36-2;P0DPH8;P0DPH7;	Tubulin alpha-1A chain;Tubulin alpha-3E chain	TUBA1A;TUBA3E	CTSD/PBS	TUBA1A	not considered/background	-0,180969522	-0,161952159	2
2331	Q75T13;Q75T13-3;Q75T13-2;Q75T13-	GPI inositol-deacylase	PGAP1	CTSD/PBS	PGAP1	not considered/background	0,26447638	0,402797805	2
2332	Q7KZF4;H7C597	Staphylococcal nuclease domain-containing protein 1	SND1	CTSD/PBS	SND1	not considered/background	-0,248039327	0,106497992	2
2333	Q7KZN9;Q7KZN9-2;A0A3B3IRX1	Cytochrome c oxidase assembly protein COX15 homolog	COX15	CTSD/PBS	COX15	not considered/background			0
2334	Q7L099;Q7L099-3;Q7L099-2;Q7L099-	Protein RUFY3	RUFY3	CTSD/PBS	RUFY3	not considered/background	-0,081110055	-0,122473941	2
2335	Q7L0J3;Q7L0J3-2	Synaptic vesicle glycoprotein 2A	SV2A	CTSD/PBS	SV2A	not considered/background	-0,297058821	-0,223916751	2
2336	Q7L0Y3;C9JVB6	Mitochondrial ribonuclease P protein 1	TRMT10C	CTSD/PBS	TRMT10C	not considered/background	0,083792032	0,06973954	2
2337	Q7L1Q6-2;Q7L1Q6;Q7L1Q6-4;Q7L1Q6	Basic leucine zipper and W2 domain-containing protein 1	BZW1	CTSD/PBS	BZW1	not considered/background			0
2338	Q7L266;Q7L266-2;E9PJK6;A0A087WZ	Isoaspartyl peptidase/L-asparaginase;Isoaspartyl peptidase/L-asparaginase alpha chain;Isoasparty	ASRGL1	CTSD/PBS	ASRGL1	not considered/background	-0,080804862		1
2339	Q7L311	Armadillo repeat-containing X-linked protein 2	ARMCX2	CTSD/PBS	ARMCX2	not considered/background			0
2340	Q7L3T8	Probable proline--tRNA ligase, mitochondrial	PARS2	CTSD/PBS	PARS2	not considered/background			0
2341	Q7L592;C9JS27;Q7L592-2;C9J236;C9	NADH dehydrogenase [ubiquinone] complex I, assembly factor 7	NDUFAF7	CTSD/PBS	NDUFAF7	not considered/background	0,19105724	0,444556835	2
2342	Q7L775	EPM2A-interacting protein 1	EPM2AIP1	CTSD/PBS	EPM2AIP1	not considered/background			0
2343	Q7L7X3;Q7L7X3-2;Q7L7X3-2	Serine/threonine-protein kinase TAO1	TAOK1	CTSD/PBS	TAOK1	not considered/background			0
2344	Q7L8C5;H0YD47	Synaptotagmin-13	SYT13	CTSD/PBS	SYT13	not considered/background	0,323888827	0,169176797	2
2345	Q7L8L6	FAST kinase domain-containing protein 5	FASTKD5	CTSD/PBS	FASTKD5	not considered/background			0
2346	Q7L985	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting prot	LINGO2	CTSD/PBS	LINGO2	not considered/background	0,027578727		1
2348	Q7LBR1	Charged multivesicular body protein 1b	CHMP1B	CTSD/PBS	CHMP1B	not considered/background			0
2349	Q7RTP0;Q7RTP0-2	Magnesium transporter NIPA1	NIPA1	CTSD/PBS	NIPA1	not considered/background			0
2351	W4VSQ3;Q7Z2D5-3;Q7Z2D5;Q7Z2D5-.	Lipid phosphate phosphatase-related protein type 4	LPPR4	CTSD/PBS	LPPR4	not considered/background	0,076969476	0,412788649	2
2352	Q7Z2K8;Q7Z2K8-2	G protein-regulated inducer of neurite outgrowth 1	GPRIN1	CTSD/PBS	GPRIN1	not considered/background	0,12631213	0,108767481	2
2353	Q7Z2W9-2;Q7Z2W9;H3BUY0	39S ribosomal protein L21, mitochondrial	MRPL21	CTSD/PBS	MRPL21	not considered/background	0,29419431		1
2354	Q7Z3B1;Q7Z3B1-2	Neuronal growth regulator 1	NEGR1	CTSD/PBS	NEGR1	not considered/background	0,157949154	-0,21685836	2
2355	Q7Z3C6;C9J365;C9JFV2;C9JX27;C9IYZ	Autophagy-related protein 9A	ATG9A	CTSD/PBS	ATG9A	not considered/background			0
2356	Q7Z434-4;Q7Z434	Mitochondrial antiviral-signaling protein	MAVS	CTSD/PBS	MAVS	not considered/background	0,154712814		1
2357	Q7Z4H3-2;Q7Z4H3;Q7Z4H3-3;V9GY5S	HD domain-containing protein 2	HDDC2	CTSD/PBS	HDDC2	not considered/background			0
2359	Q7Z6G3;Q7Z6G3-2;H3BPH6;H3BQC7	N-terminal EF-hand calcium-binding protein 2	NECAB2	CTSD/PBS	NECAB2	not considered/background	-0,109670051	-0,244887059	2
2360	Q7Z6L0;Q7Z6L0-2;A0A1B0GTP1;A0A1	Proline-rich transmembrane protein 2	PRRT2	CTSD/PBS	PRRT2	not considered/background	0,127237062	0,156836193	2
2361	Q7Z6Z7-2;Q7Z6Z7-3;Q7Z6Z7;H0Y659;/	E3 ubiquitin-protein ligase HUWE1	HUWE1	CTSD/PBS	HUWE1	not considered/background	0,011638756	0,212433804	2
2362	Q7Z7E8;Q7Z7E8-2	Ubiquitin-conjugating enzyme E2 Q1	UBE2Q1	CTSD/PBS	UBE2Q1	not considered/background			0
2363	Q7Z7H5-3;Q7Z7H5-2;Q7Z7H5;F8W7F7	Transmembrane emp24 domain-containing protein 4	TMED4	CTSD/PBS	TMED4	not considered/background	0,272620455		1
2364	Q7Z7H8;Q7Z7H8-2	39S ribosomal protein L10, mitochondrial	MRPL10	CTSD/PBS	MRPL10	not considered/background			0
2365	Q7Z7J7	Lipoma HMGIC fusion partner-like 4 protein	LHFPL4	CTSD/PBS	LHFPL4	not considered/background			0
2366	Q7Z7K0	COX assembly mitochondrial protein homolog	CMC1	CTSD/PBS	CMC1	not considered/background			0
2367	Q86SK9;Q86SK9-2	Stearoyl-CoA desaturase 5	SCD5	CTSD/PBS	SCD5	not considered/background	-0,136093258	-0,14912927	2
2368	Q86SX6	Glutaredoxin-related protein 5, mitochondrial	GLRX5	CTSD/PBS	GLRX5	not considered/background			0
2369	Q86T03;Q86T03-2;G3V5T5;H0YJ90	Type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	TMEM55B	CTSD/PBS	TMEM55B	not considered/background	0,34619103	0,394941907	2
2371	Q86TM6-2;Q86TM6-3;Q86TM6;E9PM/	E3 ubiquitin-protein ligase synoviolin	SYVN1	CTSD/PBS	SYVN1	not considered/background	0,378067649		1
2372	Q86TP1;A0A3B3ITN0;Q5SZF2;Q5SZG1.	Protein prune homolog	PRUNE	CTSD/PBS	PRUNE	not considered/background	-0,14977665		1
2373	Q86UE4;E5RJU9;H0YB56;H0YBJ8;H0Y	Protein LYRIC	MTDH	CTSD/PBS	MTDH	not considered/background	0,000865357	0,082209286	2
2374	Q86UL3	Glycerol-3-phosphate acyltransferase 4	AGPAT6	CTSD/PBS	AGPAT6	not considered/background			0
2375	Q86UP2-2;Q86UP2-4;Q86UP2;Q86UP	Kinectin	KTN1	CTSD/PBS	KTN1	not considered/background	0,158983251	0,085833516	2
2376	Q86UX6-2;Q86UX6	Serine/threonine-protein kinase 32C	STK32C	CTSD/PBS	STK32C	not considered/background	0,021053252	-0,014355293	2
2377	Q86UY8-2;Q86UY8;H7C193;H7C3S8	5-nucleotidase domain-containing protein 3	NT5DC3	CTSD/PBS	NT5DC3	not considered/background	0,219091058	0,003799286	2
2379	Q86VP6;Q86VP6-2;A0A0C4DGH5;Q86	Cullin-associated NEDD8-dissociated protein 1	CAND1	CTSD/PBS	CAND1	not considered/background	-0,258459667	0,045550542	2
2380	R4GNF4;Q86VU5	Catechol O-methyltransferase domain-containing protein 1	COMTD1	CTSD/PBS	COMTD1	not considered/background			0
2381	Q86WA6-2;Q86WA6;H7C0M3;Q49AI2	Valacyclovir hydrolase	BPHL	CTSD/PBS	BPHL	not considered/background	0,275007047	0,323136858	2
2382	Q86WA9;I3L0N9	Sodium-independent sulfate anion transporter	SLC26A11	CTSD/PBS	SLC26A11	not considered/background			0
2383	Q86WG3;Q86WG3-3;H7C096;Q12982	Caytaxin	ATCAY	CTSD/PBS	ATCAY	not considered/background	-0,233108062	-0,147827668	2
2384	Q86X55-1;Q86X55;Q86X55-2;K7EK20	Histone-arginine methyltransferase CARM1	CARM1	CTSD/PBS	CARM1	not considered/background			0

2385	Q86X76-2;Q86X76-4;Q86X76;Q86X76	Nitrilase homolog 1	NIT1	CTSD/PBS	NIT1	not considered/background	0,400100683	0,266142431	2
2386	Q86Y82;B1AJQ6	Syntaxin-12	STX12	CTSD/PBS	STX12	not considered/background	0,170437869	0,205180755	2
2387	Q86YS7-2;Q86YS7-3;Q86YS7-4;Q86YS7	C2 domain-containing protein 5	C2CD5	CTSD/PBS	C2CD5	not considered/background			0
2388	Q8IV08;M0R2W7;M0R1F7;M0R3G9;E	Phospholipase D3	PLD3	CTSD/PBS	PLD3	not considered/background	0,124592825	0,162153614	2
2389	Q8IV38;G3V0G5	Ankyrin repeat and MYND domain-containing protein 2	ANKMY2	CTSD/PBS	ANKMY2	not considered/background	-0,300217413	-0,163756333	2
2390	Q8IVD9	NudC domain-containing protein 3	NUDCD3	CTSD/PBS	NUDCD3	not considered/background	0,094371211	-0,019630756	2
2391	Q8IVM0;Q8IVM0-2	Coiled-coil domain-containing protein 50	CCDC50	CTSD/PBS	CCDC50	not considered/background		-0,511468039	1
2393	Q8IVS2;Q8IVS2-2	Malonyl-CoA:acyl carrier protein transacylase, mitochondrial	MCAT	CTSD/PBS	MCAT	not considered/background	0,319617934	0,853292649	2
2395	Q8IW45;Q8IW45-2;Q8IW45-4;Q8IW4	ATP-dependent (S)-NAD(P)H-hydrate dehydratase	CARKD	CTSD/PBS	CARKD	not considered/background	0,004321606	0,184014773	2
2397	Q8IWA5-2;Q8IWA5;Q8IWA5-3;K7EPV6	Choline transporter-like protein 2	SLC44A2	CTSD/PBS	SLC44A2	not considered/background	-0,230177492	-0,300650908	2
2398	Q8IWB7;C9JJ54;A0A494C0A6	WD repeat and FYVE domain-containing protein 1	WDFY1	CTSD/PBS	WDFY1	not considered/background	0,287708686		1
2399	Q8IWV2;F8WD58;Q8IWV2-3;Q8IWV2-	Contactin-4	CNTN4	CTSD/PBS	CNTN4	not considered/background	-0,03889532	-0,019346089	2
2400	Q8IXB1-2;Q8IXB1;A0A494C1G5;Q8IXB	DnaJ homolog subfamily C member 10	DNAJC10	CTSD/PBS	DNAJC10	not considered/background	0,037874166	0,139998657	2
2401	Q8IXI2-4;Q8IXI2;Q8IXI2-5;Q8IXI2-2;Q8	Mitochondrial Rho GTPase 1;Mitochondrial Rho GTPase	RHOT1	CTSD/PBS	RHOT1	not considered/background	0,219586745	0,165596204	2
2402	Q8IXJ6;Q8IXJ6-4;Q8IXJ6-2;Q8IXJ6-3;B	NAD-dependent protein deacetylase sirtuin-2	SIRT2	CTSD/PBS	SIRT2	not considered/background	-0,035623549	-0,227987459	2
2403	Q8IXM3	39S ribosomal protein L41, mitochondrial	MRPL41	CTSD/PBS	MRPL41	not considered/background	0,511872807		1
2404	Q8IXS6-2;C9JA33;B1ALY0;Q8IXS6;Q9Y	Paralemmin-2	PALM2;PALM2-AKAP2	CTSD/PBS	PALM2	not considered/background	-0,386977623	-0,192699178	2
2406	Q8IY95;Q8IY95-2;D6RAZ6	Transmembrane protein 192	TMEM192	CTSD/PBS	TMEM192	not considered/background			0
2407	Q8IYB5;Q8IYB5-3;Q8IYB5-2;A0A087X1	Stromal membrane-associated protein 1	SMAP1	CTSD/PBS	SMAP1	not considered/background	-0,196194348	-0,385707125	2
2408	Q8IYB7;Q8IYB7-3;Q8IYB7-2;C9JGP4;H	DIS3-like exonuclease 2	DIS3L2	CTSD/PBS	DIS3L2	not considered/background		0,591875117	1
2409	Q8IYB8	ATP-dependent RNA helicase SUPV3L1, mitochondrial	SUPV3L1	CTSD/PBS	SUPV3L1	not considered/background			0
2410	Q8IYI6	Exocyst complex component 8	EXOC8	CTSD/PBS	EXOC8	not considered/background		-0,308360875	1
2412	Q8IYQ7	Threonine synthase-like 1	THNSL1	CTSD/PBS	THNSL1	not considered/background	0,341074883	0,017548479	2
2413	Q8N0V4;H0YA65	Leucine-rich repeat LGI family member 2	LGI2	CTSD/PBS	LGI2	not considered/background			0
2414	Q8N0X7	Spartin	SPG20	CTSD/PBS	SPG20	not considered/background			0
2415	Q8N0Z6;H9KV81	Tetratricopeptide repeat protein 5	TTC5	CTSD/PBS	TTC5	not considered/background			0
2416	Q8N111	Cell cycle exit and neuronal differentiation protein 1	CEND1	CTSD/PBS	CEND1	not considered/background	0,198368423	0,051070285	2
2417	Q8N118-3;Q8N118-2;Q8N118	Cytochrome P450 4X1	CYP4X1	CTSD/PBS	CYP4X1	not considered/background	0,138945498		1
2418	Q8N122;Q8N122-3;Q8N122-2	Regulatory-associated protein of mTOR	RPTOR	CTSD/PBS	RPTOR	not considered/background			0
2419	Q8N126;Q8N126-2;Q8N126-3;A0A0C	Cell adhesion molecule 3	CADM3	CTSD/PBS	CADM3	not considered/background	0,103799743	0,050965662	2
2420	Q8N158;A0A0J9YXG7	Glypican-2;Secreted glypican-2	GPC2	CTSD/PBS	GPC2	not considered/background	0,374622206	0,48221032	2
2421	Q8N183;D6RA56	Mimitin, mitochondrial	NDUFAF2	CTSD/PBS	NDUFAF2	not considered/background	0,58870864	0,265847517	2
2422	Q8N1G1;K7ESH4;A0A2R8Y7I5	RNA exonuclease 1 homolog	REXO1	CTSD/PBS	REXO1	not considered/background			0
2423	Q8N1G4	Leucine-rich repeat-containing protein 47	LRRC47	CTSD/PBS	LRRC47	not considered/background	-0,000808136	-0,005184376	2
2424	Q8N2F6-4;Q8N2F6-3;Q8N2F6-2;Q8N2	Armadillo repeat-containing protein 10	ARMC10	CTSD/PBS	ARMC10	not considered/background	0,291014101	0,269164438	2
2426	Q8N2K0-2;Q8N2K0;Q8N2K0-3;I3L206	Monoacylglycerol lipase ABHD12	ABHD12	CTSD/PBS	ABHD12	not considered/background	0,0739573	0,086829096	2
2428	Q8N335;C9K0P5;C9JFA7;C9JM46	Glycerol-3-phosphate dehydrogenase 1-like protein;Glycerol-3-phosphate dehydrogenase [NAD(+	GPD1L	CTSD/PBS	GPD1L	not considered/background	-0,068816206	-0,358621314	2
2429	Q8N357;F8WCT7	Solute carrier family 35 member F6	SLC35F6	CTSD/PBS	SLC35F6	not considered/background	-0,197186402	-0,214746523	2
2430	Q8N370;Q8N370-3;Q8N370-4;Q8N37	Large neutral amino acids transporter small subunit 4	SLC43A2	CTSD/PBS	SLC43A2	not considered/background	-0,09175583	-0,000576963	2
2431	Q8N3J6-2;Q8N3J6;Q8N3J6-3;Q8N3J6-	Cell adhesion molecule 2	CADM2	CTSD/PBS	CADM2	not considered/background	-0,170588794	-0,198242682	2
2433	Q8N4H5;H3BUX3;H0YFG9;Q8N4H5-3;	Mitochondrial import receptor subunit TOM5 homolog	TOMM5	CTSD/PBS	TOMM5	not considered/background		0,697593205	1
2434	Q8N4L1	Transmembrane protein 151A	TMEM151A	CTSD/PBS	TMEM151A	not considered/background		0,269842653	1
2435	Q8N4L2;E5RIY0;E5RFT4;E5RJC2;E5RIP	Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	TMEM55A	CTSD/PBS	TMEM55A	not considered/background	0,220577607	0,045639883	2
2436	Q8N4Q0;Q8N4Q0-2	Zinc-binding alcohol dehydrogenase domain-containing protein 2	ZADH2	CTSD/PBS	ZADH2	not considered/background			0
2437	Q8N4Q1;Q8N4Q1-2	Mitochondrial intermembrane space import and assembly protein 40	CHCHD4	CTSD/PBS	CHCHD4	not considered/background	0,401302792		1
2438	Q8N4V1;Q8N4V1-2	Membrane magnesium transporter 1	MMGT1	CTSD/PBS	MMGT1	not considered/background	0,280481274		1
2439	Q8N4V2;H0YHQ5;H0YHK4	Synaptic vesicle 2-related protein	SVOP	CTSD/PBS	SVOP	not considered/background			0
2441	Q8N5H7-6;Q8N5H7-5;Q8N5H7-2;Q8N	SH2 domain-containing protein 3C	SH2D3C	CTSD/PBS	SH2D3C	not considered/background			0
2442	Q8N5K1;A0A2R8Y540;I3L1N9;D6RCF4	CDGSH iron-sulfur domain-containing protein 2	CISD2	CTSD/PBS	CISD2	not considered/background	0,176705738	0,075900114	2
2443	Q8N5M1;C9J2Q2;K7ELC1	ATP synthase mitochondrial F1 complex assembly factor 2	ATPAF2	CTSD/PBS	ATPAF2	not considered/background		0,393728347	1
2444	Q8N5M9;A0A3B3ITE9	Protein jagunal homolog 1	JAGN1	CTSD/PBS	JAGN1	not considered/background	0,18027519	0,014951393	2
2446	Q8N608-3;Q8N608-4;Q8N608-2;Q8N6	Inactive dipeptidyl peptidase 10	DPP10	CTSD/PBS	DPP10	not considered/background	-0,328398644	-0,030265443	2
2447	Q8N6M3	Fat storage-inducing transmembrane protein 2	FITM2	CTSD/PBS	FITM2	not considered/background			0
2448	Q8N766-4;Q8N766-3;Q8N766-2;Q8N7	ER membrane protein complex subunit 1	EMC1	CTSD/PBS	EMC1	not considered/background	0,119422583	0,397524116	2
2449	Q8N7J2;Q8N7J2-2	APC membrane recruitment protein 2	AMER2	CTSD/PBS	AMER2	not considered/background			0
2451	Q8N8R3;Q8N8R3-3	Mitochondrial basic amino acids transporter	SLC25A29	CTSD/PBS	SLC25A29	not considered/background	-0,091832703		1
2453	Q8N8Y2	V-type proton ATPase subunit d 2	ATP6V0D2	CTSD/PBS	ATP6V0D2	not considered/background		0,076569346	1
2454	Q8N983-4;H0YBU8;Q8N983-3;H0Y6Y8	39S ribosomal protein L43, mitochondrial	MRPL43	CTSD/PBS	MRPL43	not considered/background			0
2455	Q8N9F7;Q8N9F7-2;J3QQN7;Q8N9F7-3	Glycerophosphodiester phosphodiesterase domain-containing protein 1	GDPD1	CTSD/PBS	GDPD1	not considered/background	-0,057121465	-0,405338916	2
2457	Q8NAT1	Protein O-linked-mannose beta-1,4-N-acetylglucosaminyltransferase 2	POMGNT2	CTSD/PBS	POMGNT2	not considered/background	-0,323949283		1
2458	Q8NBF6;Q8NBF6-2;B8ZZW5	Late secretory pathway protein AVL9 homolog	AVL9	CTSD/PBS	AVL9	not considered/background			0
2459	Q8NBI6;Q8NBI6-3;Q8NBI6-2;A0A140T	Xyloside xylosyltransferase 1	XXYLT1	CTSD/PBS	XXYLT1	not considered/background	0,312665174	0,350927234	2
2460	Q8NBJ4-2;Q8NBJ4	Golgi membrane protein 1	GOLM1	CTSD/PBS	GOLM1	not considered/background			0
2461	Q8NBJ5;M0QX72	Procollagen galactosyltransferase 1	COLGALT1	CTSD/PBS	COLGALT1	not considered/background	0,255077682	0,122632667	2
2462	Q8NBM8;E7EVZ5;D6R9J0	Prenylcysteine oxidase-like	PCYOX1L	CTSD/PBS	PCYOX1L	not considered/background			0
2463	Q8NBN7;G8JLA1;Q8NBN7-2;K7EMY5	Retinol dehydrogenase 13	RDH13	CTSD/PBS	RDH13	not considered/background	0,236094579	0,142162287	2
2464	Q8NBS9-2;Q8NBS9	Thioredoxin domain-containing protein 5	TXNDC5	CTSD/PBS	TXNDC5	not considered/background	0,241718175	0,119635762	2
2465	Q8NBU5;Q8NBU5-2	ATPase family AAA domain-containing protein 1	ATAD1	CTSD/PBS	ATAD1	not considered/background	0,297015288	0,191573759	2
2466	Q8NBX0	Saccharopine dehydrogenase-like oxidoreductase	SCCPDH	CTSD/PBS	SCCPDH	not considered/background	0,326652391	0,195830766	2
2467	Q8NC44;F8WE68;F8WAL5;H7C3D5	Protein FAM134A	FAM134A	CTSD/PBS	FAM134A	not considered/background	-0,022991237	-0,140516919	2
2468	Q8NC51-4;Q8NC51-3;Q8NC51-2;Q8NC	Plasminogen activator inhibitor 1 RNA-binding protein	SERBP1	CTSD/PBS	SERBP1	not considered/background	0,061015775	-0,418135964	2
2469	Q8NC56;D6R958;D6RBV0;Q8NC56-2;I	LEM domain-containing protein 2	LEMD2	CTSD/PBS	LEMD2	not considered/background			0
2470	Q8NCB2;Q8NCB2-2;B4DM24;C9J9E2;E	CaM kinase-like vesicle-associated protein	CAMKV	CTSD/PBS	CAMKV	not considered/background	0,181929438	0,20240591	2
2471	Q8NCB2-3;E7ETR1	CaM kinase-like vesicle-associated protein	CAMKV	CTSD/PBS	CAMKV	not considered/background	0,447103068	0,148400857	2
2472	Q8NCW5-2;Q8NCW5;Q5T3I4;Q5T3I3	NAD(P)H-hydrate epimerase	APOA1BP	CTSD/PBS	APOA1BP	not considered/background	-0,041283508	0,145956463	2
2475	Q8NDI1-3;Q8NDI1-2;Q8NDI1;C9J268;I	EH domain-binding protein 1	EHBP1	CTSD/PBS	EHBP1	not considered/background		-0,798423845	1
2476	Q8NE86-3;Q8NE86;S4R468;Q8NE86-2	Calcium uniporter protein, mitochondrial	MCU	CTSD/PBS	MCU	not considered/background	0,176960992		1
2477	Q8NF37;A0A0G2JQ62;A0A0G2JRI7	Lysophosphatidylcholine acyltransferase 1	LPCAT1	CTSD/PBS	LPCAT1	not considered/background	0,170181458	-0,104068226	2
2478	Q8NFT8	Delta and Notch-like epidermal growth factor-related receptor	DNER	CTSD/PBS	DNER	not considered/background	0,243669081		1
2479	Q8NFV4;Q8NFV4-4;Q8NFV4-6	Alpha/beta hydrolase domain-containing protein 11	ABHD11	CTSD/PBS	ABHD11	not considered/background		0,494027794	1
2480	Q8NFW8;Q8NFW8-2	N-acylneuraminate cytidylyltransferase	CMAS	CTSD/PBS	CMAS	not considered/background			0
2481	Q8NFZ4;I3L498	Neuroligin-2	NLGN2	CTSD/PBS	NLGN2	not considered/background	-0,185851577	-0,223546116	2
2482	Q8NFZ8	Cell adhesion molecule 4	CADM4	CTSD/PBS	CADM4	not considered/background	0,013926706	-0,188021051	2
2484	R4GMN1;Q8NHP6;R4GNB6;Q8NHP6-2	Motile sperm domain-containing protein 2	MOSPD2	CTSD/PBS	MOSPD2	not considered/background			0
2485	Q8NHP8;Q8NHP8-2	Putative phospholipase B-like 2;Putative phospholipase B-like 2 32 kDa form;Putative phospholi	PLBD2	CTSD/PBS	PLBD2	not considered/background	0,058524312	-0,095451881	2
2486	Q8TAA5;D6RGI6	GrpE protein homolog 2, mitochondrial	GRPEL2	CTSD/PBS	GRPEL2	not considered/background			0
2487	Q8TAC9;Q8TAC9-2;H3BP89;H3BU33;H	Secretory carrier-associated membrane protein 5	SCAMP5	CTSD/PBS	SCAMP5	not considered/background	0,074779426	-0,192699178	2
2489	Q8TAE8	Growth arrest and DNA damage-inducible proteins-interacting protein 1	GADD45GIP1	CTSD/PBS	GADD45GIP1	not considered/background			0
2490	Q8TAF3;Q8TAF3-4;Q8TAF3-3;F8W9K4;	WD repeat-containing protein 48	WDR48	CTSD/PBS	WDR48	not considered/background			0
2492	Q8TAT6;Q8TAT6-2;A0A0D9SFI9;I3L4U	Nuclear protein localization protein 4 homolog	NPLOC4	CTSD/PBS	NPLOC4	not considered/background			0
2493	Q8TB37;F8W0A2;F8W061;Q8TB37-2;I	Iron-sulfur protein NUBPL	NUBPL	CTSD/PBS	NUBPL	not considered/background	0,602551897		1
2494	Q8TB96;F5GXC5;H3BU1	T-cell immunomodulatory protein	ITFG1	CTSD/PBS	ITFG1	not considered/background	0,040962548	-0,150949541	2
2495	Q8TBB6	Probable cationic amino acid transporter	SLC7A14	CTSD/PBS	SLC7A14	not considered/background	-0,019901561	-0,330214177	2
2496	Q8TBJ4;A0A0J9YYG5	Lipid phosphate phosphatase-related protein type 1	LPPR1	CTSD/PBS	LPPR1	not considered/background	0,057692867	0,096869153	2
2498	Q8TBQ9	Protein kish-A	TMEM167A	CTSD/PBS	TMEM167A	not considered/background			0
2499	Q8TC12;Q8TC12-2;G3V2G6;G3V234;H	Retinol dehydrogenase 11	RDH11	CTSD/PBS	RDH11	not considered/background	-0,101520744	0,034736565	2
2500	Q8TC26;Q8TC26-2;Q8TC26-3	Transmembrane protein 163	TMEM163	CTSD/PBS	TMEM163	not considered/background	-0,014528715	0,02646954	2
2502	Q8TCJ2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	STT3B	CTSD/PBS	STT3B	not considered/background	0,23155529	0,273848884	2
2503	Q8TCS8;H7C3C5;H7BXF6	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	PNPT1	CTSD/PBS	PNPT1	not considered/background		0,081537435	1
2504	Q8TEA8;A0A2R8YCT7;A0A2R8Y6X2;A0	D-tyrosyl-tRNA(Tyr) deacylase 1;D-tyrosyl-tRNA(Tyr) deacylase	DTD1	CTSD/PBS	DTD1	not considered/background	0,229957009	0,028116217	2
2506	Q8TF42	Ubiquitin-associated and SH3 domain-containing protein B	UBASH3B	CTSD/PBS	UBASH3B	not considered/background			0
2507	Q8WU76;Q8WU76-2;A0A087WUD7	Sec1 family domain-containing protein 2	SCFD2	CTSD/PBS	SCFD2	not considered/background			0
2508	Q8WUD1;A0A3B3ITL1;Q8WUD1-2;E9F	Ras-related protein Rab-2B	RAB2B	CTSD/PBS	RAB2B	not considered/background	0,247198389	-0,063502942	2
2509	Q8WUK0;Q8WUK0-2;Q8WUK0-3;E9PC	Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1	PTPMT1	CTSD/PBS	PTPMT1	not considered/background	0,319271091	0,228756701	2
2510	Q8WUM4;Q8WUM4-2;Q8WUM4-3;A0	Programmed cell death 6-interacting protein	PDCD6IP	CTSD/PBS	PDCD6IP	not considered/background	-0,044434245	-0,075601085	2
2512	Q8WUY8;M0R1E3;M0QZH3	N-acetyltransferase 14	NAT14	CTSD/PBS	NAT14	not considered/background			0
2513	Q8WVM8;Q8WVM8-2;Q8WVM8-3;J3K	Sec1 family domain-containing protein 1	SCFD1	CTSD/PBS	SCFD1	not considered/background	-0,277359114	0,04447888	2
2514	Q8WW59	SPRY domain-containing protein 4	SPRYD4	CTSD/PBS	SPRYD4	not considered/background		0,610433188	1
2515	Q8WWC4;H7C0V0	Uncharacterized protein C2orf47, mitochondrial	C2orf47	CTSD/PBS	C2orf47	not considered/background	0,421263701	0,459516379	2
2519	Q8WWZ7;Q6N017;K7EJW6;Q8WWZ7-	ATP-binding cassette sub-family A member 5	ABCA5;DKFZp686K07118	CTSD/PBS	ABCA5	not considered/background			0
2520	Q8WXD2;Q8WXD2-2	Secretogranin-3	SCG3	CTSD/PBS	SCG3	not considered/background	0,461423785		1
2521	Q8WXD9	Caskin-1	CASKIN1	CTSD/PBS	CASKIN1	not considered/background		-0,778292696	1
2522	Q8WXF1;Q8WXF1-2;X6RDA4	Paraspeckle component 1	PSPC1	CTSD/PBS	PSPC1	not considered/background			0
2523	Q8WXF7-2;Q8WXF7;G3V5T4;A0A618P	Atlastin-1	ATL1	CTSD/PBS	ATL1	not considered/background	-0,031370988	-0,062950609	2
2524	Q8WXG6-7;Q8WXG6;Q8WXG6-6;Q8W	MAP kinase-activating death domain protein	MADD	CTSD/PBS	MADD	not considered/background			0
2525	Q8WY21-4;Q8WY21;Q8WY21-3;Q8WY	VPS10 domain-containing receptor SorCS1	SORCS1	CTSD/PBS	SORCS1	not considered/background			0
2526	Q8WY54	Protein phosphatase 1E	PPM1E	CTSD/PBS	PPM1E	not considered/background			0
2527	Q8WYK1;A0A087WZ03;B1AMA2;Q9B2	Contactin-associated protein-like 5	CNTNAP5	CTSD/PBS	CNTNAP5	not considered/background	-0,212784876	0,090219217	2
2528	Q8WZA9;M0QZP8	Immunity-related GTPase family Q protein	IRGQ	CTSD/PBS	IRGQ	not considered/background	-0,07298346	0,011864323	2
2529	Q92504;A2AAT0	Zinc transporter SLC39A7	SLC39A7	CTSD/PBS	SLC39A7	not considered/background	0,233029057		1
2530	Q92506	Estradiol 17-beta-dehydrogenase 8	HSD17B8	CTSD/PBS	HSD17B8	not considered/background			0
2531	Q92522	Histone H1x	H1FX	CTSD/PBS	H1FX	not considered/background			0
2533	Q92536;J3QL60;E7EPZ8	Y+L amino acid transporter 2	SLC7A6	CTSD/PBS	SLC7A6	not considered/background			0
2534	Q92542-2;Q92542;H0Y6T7;Q5T205;H	Nicastrin	NCSTN	CTSD/PBS	NCSTN	not considered/background	-0,473851041	-0,000144262	2
2535	Q92558;Q5SZK5;Q5SZK3;Q5SZK4	Wiskott-Aldrich syndrome protein family member 1	WASF1	CTSD/PBS	WASF1	not considered/background		-0,340049473	1
2536	Q92572;F5H459	AP-3 complex subunit sigma-1	AP3S1	CTSD/PBS	AP3S1	not considered/background			0
2537	Q92575	UBX domain-containing protein 4	UBXN4	CTSD/PBS	UBXN4	not considered/background	0,062950609	0,444812094	2
2538	Q92581-2;Q92581-3;Q92581;A0A0D9	Sodium/hydrogen exchanger 6	SLC9A6	CTSD/PBS	SLC9A6	not considered/background	0,067225673	-0,089498151	2
2539	Q92597;Q92597-2;Q92597-3;E7ESM1	Protein NDRG1	NDRG1	CTSD/PBS	NDRG1	not considered/background	0,363227157	0,342103945	2
2540	Q92598-2;Q92598;Q92598-3;Q92598	Heat shock protein 105 kDa	HSPH1	CTSD/PBS	HSPH1	not considered/background	-0,063544853	0,05626617	2
2541	Q92604	Acyl-CoA:lysophosphatidylglycerol acyltransferase 1	LPGAT1	CTSD/PBS	LPGAT1	not considered/background	-0,166680785		1
2542	Q92623	Tetratricopeptide repeat protein 9A	TTC9	CTSD/PBS	TTC9	not considered/background			0
2543	Q92643;B1AK81;Q92643-2;A6NEM5	GPI-anchor transamidase	PIGK	CTSD/PBS	PIGK	not considered/background			0
2544	Q92665	28S ribosomal protein S31, mitochondrial	MRPS31	CTSD/PBS	MRPS31	not considered/background	0,412076939	-0,122341408	2
2545	Q92692-2;Q92692;K7EKE8	Nectin-2	PVRL2	CTSD/PBS	PVRL2	not considered/background	0,158724796	0,209011157	2
2546	Q92696;H0YLH3;H0YLG7;H0YKP6;H0Y	Geranylgeranyl transferase type-2 subunit alpha	RABGGTA	CTSD/PBS	RABGGTA	not considered/background	0,011209361		1
2547	Q92743;A0A3B3IU24;H0Y7G9	Serine protease HTRA1	HTRA1	CTSD/PBS	HTRA1	not considered/background	-0,373532827	-0,2282338	2
2548	Q92747;A0A1W2PNV4;E9PF58;Q9274	Actin-related protein 2/3 complex subunit 1A	ARPC1A	CTSD/PBS	ARPC1A	not considered/background	-0,165838949	-0,148088083	2
2549	Q92777;Q92777-2;A0A087WW91	Synapsin-2	SYN2	CTSD/PBS	SYN2	not considered/background	-0,481243312	-0,448689552	2
2550	Q92783-2;Q92783;A6NMU3;O75886-	Signal transducing adapter molecule 1	STAM	CTSD/PBS	STAM	not considered/background	-0,048054187	-0,074094354	2
2551	Q92820	Gamma-glutamyl hydrolase	GGH	CTSD/PBS	GGH	not considered/background	-0,275018012	-0,216610069	2

2553	Q92854;Q92854-2;E9PFD9	Semaphorin-4D	SEMA4D	CTSD/PBS	SEMA4D	not considered/background	0,0824301	0,189581575	2
2554	Q92859-3;Q92859-2;Q92859-4;Q928	Neogenin	NEO1	CTSD/PBS	NEO1	not considered/background	-0,164189083	-0,037593076	2
2555	Q92871;H3BPH4;H3BV55;O15305	Phosphomannomutase 1	PMM1	CTSD/PBS	PMM1	not considered/background			0
2556	Q92890;Q92890-1;C9JNP9;Q92890-3	Ubiquitin fusion degradation protein 1 homolog	UFD1L	CTSD/PBS	UFD1L	not considered/background	-0,229162499	-0,010779839	2
2557	Q92896;Q92896-3;Q92896-2;H3BM4	Golgi apparatus protein 1	GLG1	CTSD/PBS	GLG1	not considered/background	-0,155935785	-0,132642643	2
2559	Q92905;E5RHH5;E5RHF2	COP9 signalosome complex subunit 5	COPS5	CTSD/PBS	COPS5	not considered/background	0,082157559	-0,449323657	2
2560	Q92930;H0YNE9;H0YMN7	Ras-related protein Rab-8B	RAB8B	CTSD/PBS	RAB8B	not considered/background	0,155749233	0,149104587	2
2561	Q92973-2;Q92973;Q92973-3;E7EW37	Transportin-1	TNPO1	CTSD/PBS	TNPO1	not considered/background		0,096792011	1
2562	Q93008-3;Q93008;O00507-2	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	USP9X	CTSD/PBS	USP9X	not considered/background		0,299471503	1
2563	Q93034;H0YCA0	Cullin-5	CUL5	CTSD/PBS	CUL5	not considered/background	-0,166664591	-0,106214296	2
2564	Q93050;Q93050-1;Q93050-3;B7Z2A9	V-type proton ATPase 116 kDa subunit a isoform 1;V-type proton ATPase subunit a	ATP6V0A1	CTSD/PBS	ATP6V0A1	Lysosomal membrane proteins	-0,161685539	-0,026587622	2
2565	Q969E2-2;Q969E2;K7EJ4;C9JWM2;Q	Secretory carrier-associated membrane protein 4	SCAMP4	CTSD/PBS	SCAMP4	not considered/background		-0,062950609	1
2566	Q969G6	Riboflavin kinase	RFK	CTSD/PBS	RFK	not considered/background			0
2567	Q969H8;M0QXF7;M0QYN0	Myeloid-derived growth factor	MYDGF	CTSD/PBS	MYDGF	not considered/background	0,359858472	0,064796754	2
2569	Q969M1-2;Q969M1	Mitochondrial import receptor subunit TOM40B	TOMM40L	CTSD/PBS	TOMM40L	not considered/background			0
2570	Q969M3;Q969M3-3;E5RGR9;E5RHH4;	Protein YIPF5;Protein YIPF	YIPF5	CTSD/PBS	YIPF5	not considered/background			0
2571	Q969P0-3;Q969P0;C9J8Z4;Q969P0-2	Immunoglobulin superfamily member 8	IGSF8	CTSD/PBS	IGSF8	not considered/background	0,038576651	0,11425385	2
2572	Q969Q5;F8W8H5;D6RFW3	Ras-related protein Rab-24	RAB24	CTSD/PBS	RAB24	not considered/background	-0,154971685	0,196905251	2
2573	Q969V3-2;Q969V3;K7EMW4;K7EL29;A	Nicalin	NCLN	CTSD/PBS	NCLN	not considered/background	-0,040541412	-0,159758338	2
2575	Q969X5-2;Q969X5;F2Z3Q5;F2Z2U2;Q	Endoplasmic reticulum-Golgi intermediate compartment protein 1	ERGIC1	CTSD/PBS	ERGIC1	not considered/background	-0,089651085	0,210512783	2
2576	Q969Z0;Q969Z0-2;H7C4R5;C9IZN7;C9	Protein TBRG4	TBRG4	CTSD/PBS	TBRG4	not considered/background		0,284668885	1
2577	Q96A33;Q96A33-2;A0A087WYW6	Coiled-coil domain-containing protein 47	CCDC47	CTSD/PBS	CCDC47	not considered/background			0
2578	Q96A35;X6RJ73	39S ribosomal protein L24, mitochondrial	MRPL24	CTSD/PBS	MRPL24	not considered/background		0,44691479	1
2579	Q96A49	Synapse-associated protein 1	SYAP1	CTSD/PBS	SYAP1	not considered/background			0
2580	Q96A65-2;Q96A65	Exocyst complex component 4	EXOC4	CTSD/PBS	EXOC4	not considered/background			0
2582	Q96AB3;Q96AB3-2;Q96AB3-3;K7ENV7	Isochorismatase domain-containing protein 2, mitochondrial	ISOC2	CTSD/PBS	ISOC2	not considered/background	0,108089492	0,696961609	2
2583	Q96AG3;Q96AG3-3;E7EVV2;Q96AG3-2	Solute carrier family 25 member 46	SLC25A46	CTSD/PBS	SLC25A46	not considered/background	0,50650039	0,175517252	2
2584	Q96AG4;I3L223	Leucine-rich repeat-containing protein 59	LRRC59	CTSD/PBS	LRRC59	not considered/background	0,153416242	0,269877442	2
2585	Q96AQ6-3;Q96AQ6-2;Q96AQ6;Q5T17	Pre-B-cell leukemia transcription factor-interacting protein 1	PBXIP1	CTSD/PBS	PBXIP1	not considered/background			0
2587	Q96AY3;K7EM43;K7ELI6;K7ESG6;Q96	Peptidyl-prolyl cis-trans isomerase FKBP10	FKBP10	CTSD/PBS	FKBP10	not considered/background	-0,578887138		1
2588	Q96BJ3;Q96BJ3-2;Q96BJ3-3	Axin interactor, dorsalization-associated protein	AIDA	CTSD/PBS	AIDA	not considered/background			0
2589	Q96BM9;A0A087X2J2	ADP-ribosylation factor-like protein 8A	ARL8A	CTSD/PBS	ARL8A	not considered/background	-0,10648246	-0,058662839	2
2590	Q96BR5	Cytochrome c oxidase assembly factor 7	COA7	CTSD/PBS	COA7	not considered/background			0
2591	Q96BW9-3;Q96BW9-2;Q96BW9;A0A0	Phosphatidate cytidylyltransferase, mitochondrial	TAMM41	CTSD/PBS	TAMM41	not considered/background	0,298658316	0,352676279	2
2592	Q96C36;A0A087WTV6;A0A087WZR9;	Pyrroline-5-carboxylate reductase 2;Pyrroline-5-carboxylate reductase	PYCR2	CTSD/PBS	PYCR2	not considered/background		0,45753392	1
2594	Q96CN4-2;Q96CN4;M0R1Y1	EVI5-like protein	EVI5L	CTSD/PBS	EVI5L	not considered/background	-0,511484991		1
2595	Q96CN7;D6RGE2	Isochorismatase domain-containing protein 1	ISOC1	CTSD/PBS	ISOC1	not considered/background	-0,231498053	-0,172999473	2
2596	Q96CS3	FAS-associated factor 2	FAF2	CTSD/PBS	FAF2	not considered/background	0,203263813	-0,053945425	2
2597	Q96CT7	Coiled-coil domain-containing protein 124	CCDC124	CTSD/PBS	CCDC124	not considered/background	-0,13596643		1
2598	Q96CU9-2;Q96CU9-3;Q96CU9	FAD-dependent oxidoreductase domain-containing protein 1	FOXRED1	CTSD/PBS	FOXRED1	not considered/background	0,442757758	0,301906012	2
2599	Q96CW9-2;Q96CW9	Netrin-G2	NTNG2	CTSD/PBS	NTNG2	not considered/background	-0,03082556		1
2600	Q96CX2	BTB/POZ domain-containing protein KCTD12	KCTD12	CTSD/PBS	KCTD12	not considered/background		-0,851679091	1
2601	Q96D05-2;Q96D05;Q5VVH9	Uncharacterized protein C10orf35	C10orf35	CTSD/PBS	C10orf35	not considered/background	0,372172052	0,128787176	2
2602	Q96DA2	Ras-related protein Rab-39B	RAB39B	CTSD/PBS	RAB39B	Transport machinery	0,185612862	0,043036371	2
2603	Q96DA6;Q96DA6-2;G5E9V2;F2Z3A7;A	Mitochondrial import inner membrane translocase subunit TIM14	DNAJC19	CTSD/PBS	DNAJC19	not considered/background		0,529822389	1
2604	Q96DB5-2;Q96DB5;H0YC27;H0YC67;A	Regulator of microtubule dynamics protein 1	RMDN1	CTSD/PBS	RMDN1	not considered/background			0
2605	Q96DD7	Protein shisa-4	SHISA4	CTSD/PBS	SHISA4	not considered/background			0
2606	Q96DE0-3;Q96DE0;Q96DE0-2;Q96DE0	U8 snoRNA-decapping enzyme	NUDT16	CTSD/PBS	NUDT16	not considered/background			0
2607	Q96DV4;Q96DV4-2	39S ribosomal protein L38, mitochondrial	MRPL38	CTSD/PBS	MRPL38	not considered/background	0,231923873	0,092940138	2
2608	Q96DZ1;Q96DZ1-3;Q96DZ1-2	Endoplasmic reticulum lectin 1	ERLEC1	CTSD/PBS	ERLEC1	not considered/background	0,381061828	-0,029276182	2
2609	Q96DZ5;K7ESF3	CAP-Gly domain-containing linker protein 3	CLIP3	CTSD/PBS	CLIP3	not considered/background		0,198891021	1
2610	Q96E11-8;Q96E11-3;Q96E11;Q96E11-	Ribosome-recycling factor, mitochondrial	MRRF	CTSD/PBS	MRRF	not considered/background			0
2611	Q96E17	Ras-related protein Rab-3C	RAB3C	CTSD/PBS	RAB3C	not considered/background	-0,034603564	-0,005759269	2
2613	Q96EL2;F8VYR5	28S ribosomal protein S24, mitochondrial	MRPS24	CTSD/PBS	MRPS24	not considered/background			0
2615	Q96ER9;C9JSW8;Q96ER9-2;C9JPZ8	Coiled-coil domain-containing protein 51	CCDC51	CTSD/PBS	CCDC51	not considered/background	0,634221512	0,131392245	2
2616	Q96EY1-2;Q96EY1;Q96EY1-3;I3L1T6	DnaJ homolog subfamily A member 3, mitochondrial	DNAJA3	CTSD/PBS	DNAJA3	not considered/background	1,200127654	0,470988689	2
2617	Q96EY7;Q96EY7-2;B8ZZQ4;F8WE76	Pentatricopeptide repeat domain-containing protein 3, mitochondrial	PTCD3	CTSD/PBS	PTCD3	not considered/background	-0,049964646	0,352657857	2
2618	Q96EY8;S4R3P5;F5H079;A0A087X114	Cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial	MMAB	CTSD/PBS	MMAB	not considered/background	0,247441471	0,24814213	2
2619	Q96F85;Q96F85-2;B8ZZB8	CB1 cannabinoid receptor-interacting protein	CNRIP1	CTSD/PBS	CNRIP1	not considered/background	-0,263680878	-0,003314389	2
2620	Q96FC7;Q96FC7-2;E5RHN5;Q92561;O	Phytanoyl-CoA hydroxylase-interacting protein-like	PHYHIPL	CTSD/PBS	PHYHIPL	not considered/background	-0,096745728	-0,308593869	2
2621	Q96FE5-2;Q96FE5;H0YMX3;H3BN48;H	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting prot	LINGO1	CTSD/PBS	LINGO1	not considered/background	-0,114425636	0,161943768	2
2622	Q96FJ2	Dynein light chain 2, cytoplasmic	DYNLL2	CTSD/PBS	DYNLL2	not considered/background			0
2623	Q96FN4;Q96FN4-2;H3BUC8;H3BQQ3;I	Copine-2	CPNE2	CTSD/PBS	CPNE2	not considered/background	0,065434446	-0,110897723	2
2624	Q96FZ7;I3L4G8;I3L4A1;I3L3E4	Charged multivesicular body protein 6	CHMP6	CTSD/PBS	CHMP6	not considered/background	0,019203734	-0,094911647	2
2625	Q96G03;E9PD70;E7ENQ8	Phosphoglucomutase-2	PGM2	CTSD/PBS	PGM2	not considered/background			0
2626	Q96G61;Q8NFP7;Q9NZI9;Q9NZJ9-2;A	Diphosphoinositol polyphosphate phosphohydrolase 3-beta;Diphosphoinositol polyphosphate	NUDT11;NUDT10;NUDT4	CTSD/PBS	NUDT11	not considered/background		-0,337768171	1
2627	Q96GA7;F8VY23;H0YID3;F8VZ97;H0YI	Serine dehydratase-like	SDSL	CTSD/PBS	SDSL	not considered/background	0,020626651	-0,295605489	2
2628	Q96GD0;B1AHD3;Q5ZT62-2;Q5ZT62	Pyridoxal phosphate phosphatase	PDXP	CTSD/PBS	PDXP	not considered/background	0,001009533	0,071451542	2
2629	Q96GK7;Q6P2I3;C9JGM0	Fumarylacetoacetate hydrolase domain-containing protein 2A;Fumarylacetoacetate hydrolase d	FAHD2A;FAHD2B	CTSD/PBS	FAHD2A	not considered/background	0,541118304	0,263576961	2
2631	Q96GS4	Uncharacterized protein C17orf59	C17orf59	CTSD/PBS	C17orf59	not considered/background	0,369047643	0,289933077	2
2632	Q96GW9	Methionine--tRNA ligase, mitochondrial	MARS2	CTSD/PBS	MARS2	not considered/background	0,341644241	0,193189283	2
2634	Q96GY0;H0YAP0	Zinc finger C2HC domain-containing protein 1A	ZC2HC1A	CTSD/PBS	ZC2HC1A	not considered/background	0,019061365	-0,197362184	2
2635	Q96H20-2;Q96H20;H0Y8S5;D6RBI1;D	Vacuolar-sorting protein SNF8	SNF8	CTSD/PBS	SNF8	not considered/background			0
2636	Q96HD1;Q96HD1-2;A0A669KBB3;A0A	Cysteine-rich with EGF-like domain protein 1	CRELD1	CTSD/PBS	CRELD1	not considered/background	0,327457434		1
2637	Q96HE7;G3V3E6;G3V5B3;G3V2H0;G3	ERO1-like protein alpha	ERO1L	CTSD/PBS	ERO1L	not considered/background	0,293252756	0,280229523	2
2639	Q96HN2-2;Q96HN2;Q96HN2-4;Q96H	Putative adenosylhomocysteinase 3;Adenosylhomocysteinase	AHCYL2	CTSD/PBS	AHCYL2	not considered/background			0
2640	Q96HS1;Q96HS1-2;F5GXG4	Serine/threonine-protein phosphatase PGAM5, mitochondrial	PGAM5	CTSD/PBS	PGAM5	not considered/background		0,410850148	1
2641	Q96HU8;A0A1B0GVC3;A0A1B0GWA9	GTP-binding protein Di-Ras2	DIRAS2	CTSD/PBS	DIRAS2	not considered/background		0,265882209	1
2642	Q96HY7;C9JWN1;H7C1J3	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial	DHTKD1	CTSD/PBS	DHTKD1	not considered/background			0
2643	Q96I59;H0YEL9;E9PRK2;Q96I59-2;H0	Probable asparagine--tRNA ligase, mitochondrial	NARS2	CTSD/PBS	NARS2	not considered/background	0,253747285	0,012519046	2
2644	Q96TA2-3;Q96TA2-2;Q96I63;Q96TA2;I	ATP-dependent zinc metalloprotease YME1L1	YME1L1	CTSD/PBS	YME1L1	not considered/background		0,536000964	1
2645	Q96IX5	Up-regulated during skeletal muscle growth protein 5	USMG5	CTSD/PBS	USMG5	not considered/background	0,107286135	0,030000438	2
2646	Q96JB5-2;Q96JB5;Q96JB5-4;J3QL86;J	CDK5 regulatory subunit-associated protein 3	CDK5RAP3	CTSD/PBS	CDK5RAP3	not considered/background	0,326997465	0,270869278	2
2647	Q96JE9;Q96JE9-3;Q96JE9-2	Microtubule-associated protein 6	MAP6	CTSD/PBS	MAP6	not considered/background	-0,10572159	-0,05630606	2
2648	Q96JH7	Deubiquitinating protein VCIP135	VCPIP1	CTSD/PBS	VCPIP1	not considered/background			0
2649	Q96JJ7;Q96JJ7-2;B4DIE3	Protein disulfide-isomerase TMX3	TMX3	CTSD/PBS	TMX3	not considered/background	0,014926544		1
2650	Q96JQ0	Protocadherin-16	DCHS1	CTSD/PBS	DCHS1	not considered/background			0
2651	Q96K17;Q96K17-2;E9PL10;Q96K17-3	Transcription factor BTF3 homolog 4;Transcription factor BTF3	BTF3L4	CTSD/PBS	BTF3L4	not considered/background	-0,058833578	-0,213876043	2
2653	Q96KP1	Exocyst complex component 2	EXOC2	CTSD/PBS	EXOC2	not considered/background	-0,357252226		1
2654	Q96KP4;Q96KP4-2;J3QKT2;J3QKQ0;A	Cytosolic non-specific dipeptidase	CNDP2	CTSD/PBS	CNDP2	not considered/background	-0,175142554	-0,423524388	2
2655	Q96L92-3;Q96L92;A0A2R8Y871;H7C6	Sorting nexin-27	SNX27	CTSD/PBS	SNX27	not considered/background			0
2658	Q96MC5;H3BU79;H3BUY6;H3BRF6;Q9	Uncharacterized protein C16orf45	C16orf45	CTSD/PBS	C16orf45	not considered/background	0,231801023	-0,097745622	2
2660	Q96MZ0;Q96MZ0-4;H0Y6A7;H0UIB3;(	Ganglioside-induced differentiation-associated protein 1-like 1	GDAP1L1	CTSD/PBS	GDAP1L1	not considered/background	0,399444565	0,205080968	2
2661	Q96N03-2;Q96N03	V-set and transmembrane domain-containing protein 2-like protein	VSTM2L	CTSD/PBS	VSTM2L	not considered/background	0,783414745		1
2662	Q96N66;Q96N66-2;Q96N66-3;H7C2M	Lysophospholipid acyltransferase 7	MBOAT7	CTSD/PBS	MBOAT7	not considered/background	-0,105830261	0,188167313	2
2663	Q96N16;G3V4N1;G3V364	Leucine-rich repeat and fibronectin type-III domain-containing protein 5	LRFN5	CTSD/PBS	LRFN5	not considered/background	-0,254409837	0,257303876	2
2666	Q96P47;Q96P47-2;Q96P47-4;Q96P47	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3	AGAP3	CTSD/PBS	AGAP3	not considered/background	-0,131945441		1
2667	Q96P70	Importin-9	IPO9	CTSD/PBS	IPO9	not considered/background			0
2668	Q96PE3-2;Q96PE3-4;Q96PE3-3;Q96PE	Type I inositol 3,4-bisphosphate 4-phosphatase	INPP4A	CTSD/PBS	INPP4A	not considered/background		0,576819869	1
2669	Q96Q11-2;Q96Q11;A0A494C0A0;F8W	CCA tRNA nucleotidyltransferase 1, mitochondrial	TRNT1	CTSD/PBS	TRNT1	not considered/background	0,147957881		1
2670	Q96QE2;E9PE47	Proton myo-inositol cotransporter	SLC2A13	CTSD/PBS	SLC2A13	not considered/background	0,100304906	-0,29007047	2
2671	Q96QG7-2;Q96QG7	Myotubularin-related protein 9	MTMR9	CTSD/PBS	MTMR9	not considered/background			0
2672	Q96QK1;I3L4S0;A0A1W2PP10;A0A3B	Vacuolar protein sorting-associated protein 35	VPS35	CTSD/PBS	VPS35	not considered/background	-0,225936182	0,013363348	2
2674	Q96RD7-2;Q96RD7	Pannexin-1	PANX1	CTSD/PBS	PANX1	not considered/background	-0,305520921	0,107352518	2
2676	Q96RP9;Q96RP9-2;C9IZ01;F8WAU4	Elongation factor G, mitochondrial	GFM1	CTSD/PBS	GFM1	not considered/background	-0,473270105	0,138838634	2
2677	Q96S06;H3BSB7;B4DFZ0;Q96S06-2;H	Lipase maturation factor 1;Lipase maturation factor	LMF1	CTSD/PBS	LMF1	not considered/background			0
2678	Q96S52;Q96S52-2;K7EN97	GPI transamidase component PIG-S	PIGS	CTSD/PBS	PIGS	not considered/background	-0,003510015	-0,026020971	2
2680	Q96SQ9;Q96SQ9-2;M0R2G8;M0R057	Cytochrome P450 2S1	CYP2S1	CTSD/PBS	CYP2S1	not considered/background			0
2681	Q96TC7;H0YMB1;Q96TC7-2;H0YNE5;H	Regulator of microtubule dynamics protein 3	RMDN3	CTSD/PBS	RMDN3	not considered/background	0,275603079	0,256666	2
2682	Q99250;Q99250-2;A0A1B0GWA6;Q9	Sodium channel protein type 2 subunit alpha;Sodium channel protein type 3 subunit alpha	SCN2A;SCN3A	CTSD/PBS	SCN2A	not considered/background	-0,450833581	-0,21200896	2
2683	Q99426;A0A494C0X0;K7EK42;Q9942	Tubulin-folding cofactor B	TBCB	CTSD/PBS	TBCB	not considered/background	-0,069179414	-0,207643013	2
2684	Q99436;Q99436-2;Q5TBG5	Proteasome subunit beta type-7	PSMB7	CTSD/PBS	PSMB7	not considered/background		0,09318635	1
2685	Q99442;F8WF48;F8WCJ7	Translocation protein SEC62	SEC62	CTSD/PBS	SEC62	not considered/background	0,041523362	0,271234863	2
2686	Q99470;K7ELI9	Stromal cell-derived factor 2	SDF2	CTSD/PBS	SDF2	not considered/background	0,296780417	0,041224126	2
2687	Q99471;H3BMQ1;Q99471-3;H3BPF6	Prefoldin subunit 5	PFDN5	CTSD/PBS	PFDN5	not considered/background			0
2688	Q99497;K7ELW0;K7EN27	Protein deglycase DJ-1	PARK7	CTSD/PBS	PARK7	not considered/background	-0,084043202	-0,0223323	2
2689	Q99536;Q99536-3;Q99536-2;K7ERT7;	Synaptic vesicle membrane protein VAT-1 homolog	VAT1	CTSD/PBS	VAT1	not considered/background	-0,020574576	-0,188907267	2
2690	Q99574;H7C5T9;C9JDY5;C9JQU8	Neuroserpin	SERPINI1	CTSD/PBS	SERPINI1	not considered/background	0,238297728	0,094356432	2
2691	Q99598;C4POD6;C4POD8;C4POD4;Q5	Translin-associated protein X	TSNAX;DISC1	CTSD/PBS	TSNAX	not considered/background	-0,559345405		1
2692	Q99614;H0YB37	Tetratricopeptide repeat protein 1	TTC1	CTSD/PBS	TTC1	not considered/background			0
2693	Q99623;J3KPX7;F5GY37;Q99623-2;F5	Prohibitin-2	PHB2	CTSD/PBS	PHB2	not considered/background	0,33468268	0,354132365	2
2695	Q99653;H0YKE7;F5GX29;H0YNG9;H0\	Calcineurin B homologous protein 1	CHP1	CTSD/PBS	CHP1	not considered/background	-0,227793389	-0,154971988	2
2696	Q99714;Q99714-2;Q5H928	3-hydroxyacyl-CoA dehydrogenase type-2	HSD17B10	CTSD/PBS	HSD17B10	not considered/background	0,127104965	0,274005876	2
2697	Q99719;G3XAH0;B4DJ62;C9JM82;E7E	Septin-5	SEPT5	CTSD/PBS	SEPT5	not considered/background	-0,111383373	-0,019773069	2
2698	Q99720;Q99720-3;Q99720-4;Q5T1J1;	Sigma non-opioid intracellular receptor 1	SIGMAR1	CTSD/PBS	SIGMAR1	not considered/background	-0,030103553	0,321405213	2
2699	Q99733;Q99733-2;C9J6D1;C9JZI7;A8	Nucleosome assembly protein 1-like 4	NAP1L4	CTSD/PBS	NAP1L4	not considered/background	0,01564029	-0,134089481	2
2700	Q99747;Q99747-2;J3KTJ6;J3QS28;J3	Gamma-soluble NSF attachment protein	NAPG	CTSD/PBS	NAPG	not considered/background	-0,064132961	-0,389787054	2
2701	Q99757;M0QXH0;F8WDN2	Thioredoxin, mitochondrial	TXN2	CTSD/PBS	TXN2	not considered/background	0,085424656	0,1231668	2
2702	Q99784-5;Q99784-3;Q99784;F5GZQ2	Noelin	OLFM1	CTSD/PBS	OLFM1	not considered/background			0
2704	Q99798;A2A274	Aconitate hydratase, mitochondrial	ACO2	CTSD/PBS	ACO2	not considered/background	-0,02404705	0,093956034	2
2705	Q99805	Transmembrane 9 superfamily member 2	TM9SF2	CTSD/PBS	TM9SF2	not considered/background		-0,060739158	1
2706	Q99808;Q99808-2;A0A2R8Y567;A0A2	Equilibrative nucleoside transporter 1	SLC29A1	CTSD/PBS	SLC29A1	not considered/background	0,514904955	0,273412885	2
2707	Q99832;Q99832-3;Q99832-4;Q99832	T-complex protein 1 subunit eta	CCT7	CTSD/PBS	CCT7	not considered/background	-0,022141283	0,050367957	2
2708	Q99943	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha	AGPAT1	CTSD/PBS	AGPAT1	not considered/background	0,390227437	-0,121015401	2
2709	Q99946;Q99946-2	Proline-rich transmembrane protein 1	PRRT1	CTSD/PBS	PRRT1	not considered/background			0
2710	Q99961;M0R0I3;E9PEI0;C	Endophilin-A2	SH3GL1	CTSD/PBS	SH3GL1	not considered/background	0,271186602	-0,275722256	2
2711	Q99962	Endophilin-A1	SH3GL2	CTSD/PBS	SH3GL2	not considered/background	-0,315019726		1
2712	Q9BPU6;E7EWB4;E9PHT0;E7ESV0	Dihydropyrimidinase-related protein 5	DPYSL5	CTSD/PBS	DPYSL5	not considered/background	-0,128787176	-0,208267529	2
2713	Q9BPW8;H7C2U6;C9JDV8;F8WCR5	Protein NipSnap homolog 1	NIPSNAP1	CTSD/PBS	NIPSNAP1	not considered/background	0,348459062	0,276432702	2
2714	Q9BPX5	Actin-related protein 2/3 complex subunit 5-like protein	ARPC5L	CTSD/PBS	ARPC5L	not considered/background			0
2715	Q9BQ69	O-acetyl-ADP-ribose deacetylase MACROD1	MACROD1	CTSD/PBS	MACROD1	not considered/background	0,9202933	0,320936583	2

2716	Q9BQ95;J3KTF5;K7EJI1;Q9BQ95-3;K7I	Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial	ECSIT	CTSD/PBS	ECSIT	not considered/background	0,376179232	0,077117129	2
2718	Q9BQG1;M0QYH4;M0QY70	Synaptotagmin-3	SYT3	CTSD/PBS	SYT3	not considered/background			0
2719	Q9BQJ7	PH and SEC7 domain-containing protein 2	PSD2	CTSD/PBS	PSD2	not considered/background	0,043064479		1
2720	Q9BQT9;Q9BQT9-2;F5H5D7;F5H7C7;F	Calsyntenin-3	CLSTN3	CTSD/PBS	CLSTN3	not considered/background	0,172359498	0,359582674	2
2721	Q9BR01-2;Q9BR01	Sulfotransferase 4A1	SULT4A1	CTSD/PBS	SULT4A1	not considered/background	-0,203186315		1
2722	Q9BR76;A0A087WW53;F5H390;F5H0	Coronin-1B;Coronin	CORO1B	CTSD/PBS	CORO1B	not considered/background	-0,159911462	0,028469321	2
2723	Q9BRA2;I3L0K2;I3L3M7;I3L2R6	Thioredoxin domain-containing protein 17	TXNDC17	CTSD/PBS	TXNDC17	not considered/background	0,015069322	-0,490775482	2
2724	Q9BRF8;Q9BRF8-3;Q9BRF8-2	Serine/threonine-protein phosphatase CPPED1	CPPED1	CTSD/PBS	CPPED1	not considered/background			0
2726	Q9BRR3	Transmembrane protein 246	TMEM246	CTSD/PBS	TMEM246	not considered/background			0
2728	Q9BRT2;V5IRT4;Q5TAQ0	Ubiquinol-cytochrome-c reductase complex assembly factor 2	UQCC2	CTSD/PBS	UQCC2	not considered/background			0
2729	Q9BRX8-2;Q9BRX8	Redox-regulatory protein FAM213A	FAM213A	CTSD/PBS	FAM213A	not considered/background	-0,18376895	-0,107152199	2
2730	Q9BS26	Endoplasmic reticulum resident protein 44	ERP44	CTSD/PBS	ERP44	not considered/background	0,136060107	-0,07299756	2
2731	Q9BSF4;K7ENF5	Uncharacterized protein C19orf52	C19orf52	CTSD/PBS	C19orf52	not considered/background			0
2732	Q9BSH4	Translational activator of cytochrome c oxidase 1	TACO1	CTSD/PBS	TACO1	not considered/background		0,472549268	1
2733	Q9BSH5	Haloacid dehalogenase-like hydrolase domain-containing protein 3	HDHD3	CTSD/PBS	HDHD3	not considered/background	0,448795255	0,266472113	2
2734	Q9BSJ8-2;Q9BSJ8;F8VZB1	Extended synaptotagmin-1	ESYT1	CTSD/PBS	ESYT1	not considered/background	-0,402092261	0,086338879	2
2735	Q9BSK2;D6RB26;D6RCF5;Q96CQ1-2;F	Solute carrier family 25 member 33;Solute carrier family 25 member 36	SLC25A33;SLC25A36	CTSD/PBS	SLC25A33	not considered/background			0
2736	Q9BT09;A0A0C4DFY8	Protein canopy homolog 3	CNPY3	CTSD/PBS	CNPY3	not considered/background	0,313245852	0,425578736	2
2737	Q9BT88	Synaptotagmin-11	SYT11	CTSD/PBS	SYT11	Transport machinery	0,399444565	0,606979263	2
2738	Q9BTE1;Q9BTE1-2;H3BR94;H3BUD2;H	Dynactin subunit 5	DCTN5	CTSD/PBS	DCTN5	not considered/background		-0,121413331	1
2739	Q9BTN0	Leucine-rich repeat and fibronectin type-III domain-containing protein 3	LRFN3	CTSD/PBS	LRFN3	not considered/background			0
2740	Q9BTU6;E9PAM4	Phosphatidylinositol 4-kinase type 2-alpha	PI4K2A	CTSD/PBS	PI4K2A	not considered/background	0,51772922	-0,01235413	2
2741	Q9BTV4	Transmembrane protein 43	TMEM43	CTSD/PBS	TMEM43	not considered/background	0,072860402	0,069209686	2
2742	Q9BTV5;M0R366;M0R2F6;M0R1R0;M	Fibronectin type III and SPRY domain-containing protein 1	FSD1	CTSD/PBS	FSD1	not considered/background	-0,097116037	-0,247198389	2
2743	Q9BTY2;Q7Z6V2;Q9BTY2-2	Plasma alpha-L-fucosidase	FUCA2	CTSD/PBS	FUCA2	Lysosomal enzymes	0,204015477		1
2745	Q9BU61;Q9BU61-2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3	NDUFAF3	CTSD/PBS	NDUFAF3	not considered/background	0,506094112	0,575615328	2
2746	Q9BUB7-2;Q9BUB7	Transmembrane protein 70, mitochondrial	TMEM70	CTSD/PBS	TMEM70	not considered/background			0
2747	Q9BUE6;Q9BUE6-2;Q5TBE2;Q5TBE9	Iron-sulfur cluster assembly 1 homolog, mitochondrial	ISCA1	CTSD/PBS	ISCA1	not considered/background			0
2748	Q9BUF5;K7ESM5;K7ES63;K7EL29;K7E	Tubulin beta-6 chain	TUBB6	CTSD/PBS	TUBB6	not considered/background		-0,206268125	1
2750	Q9BV23;C9JNE7	Monoacylglycerol lipase ABHD6	ABHD6	CTSD/PBS	ABHD6	not considered/background			0
2751	Q9BV79;Q9BV79-2;H3BM30	Trans-2-enoyl-CoA reductase, mitochondrial	MECR	CTSD/PBS	MECR	not considered/background		0,092155617	1
2752	Q9BVA0;H3BTV8;H3BT67;H3BPD8;H3	Katanin p80 WD40 repeat-containing subunit B1	KATNB1	CTSD/PBS	KATNB1	not considered/background			0
2753	Q9BVA1	Tubulin beta-2B chain	TUBB2B	CTSD/PBS	TUBB2B	not considered/background	-0,181558424	-0,15924166	2
2755	Q9BVK6	Transmembrane emp24 domain-containing protein 9	TMED9	CTSD/PBS	TMED9	not considered/background	-0,018614929	-0,03407482	2
2756	Q9BW30	Tubulin polymerization-promoting protein family member 3	TPPP3	CTSD/PBS	TPPP3	not considered/background	0,195347598	0,355959157	2
2758	Q9BW91-2;Q9BW91;H7C386;D6RAW	ADP-ribose pyrophosphatase, mitochondrial	NUDT9	CTSD/PBS	NUDT9	not considered/background			0
2759	Q9BWD1;Q9BWD1-2	Acetyl-CoA acetyltransferase, cytosolic	ACAT2	CTSD/PBS	ACAT2	not considered/background	-0,416095864	-0,360420466	2
2760	Q9BWF3;Q9BWF3-4;E9PB51;Q96PK6-	RNA-binding protein 4;RNA-binding protein 4B	RBM4;RBM4B	CTSD/PBS	RBM4	not considered/background			0
2761	Q9BWH2;H7C0K8	FUN14 domain-containing protein 2	FUNDC2	CTSD/PBS	FUNDC2	not considered/background			0
2762	Q9BWM7;A0A1P0AYU5;S4R3N9	Sideroflexin-3	SFXN3	CTSD/PBS	SFXN3	not considered/background	0,308244364	0,397163088	2
2763	Q9BWS9;Q9BWS9-3;Q9BWS9-2;E9PP/	Chitinase domain-containing protein 1	CHID1	CTSD/PBS	CHID1	not considered/background	-0,295358177	0,119134272	2
2764	Q9BX67-2;Q9BX67	Junctional adhesion molecule C	JAM3	CTSD/PBS	JAM3	not considered/background	0,329755086		1
2765	Q9BX68	Histidine triad nucleotide-binding protein 2, mitochondrial	HINT2	CTSD/PBS	HINT2	not considered/background	0,424384672		1
2767	Q9BXK5;A0A087WX97;Q9BXK5-2;Q9B	Bcl-2-like protein 13	BCL2L13	CTSD/PBS	BCL2L13	not considered/background	-0,313584636	0,418253482	2
2768	Q9BXP2-2;Q9BXP2-3;Q9BXP2-4;Q9BXI	Solute carrier family 12 member 9	SLC12A9	CTSD/PBS	SLC12A9	not considered/background			0
2769	Q9BXS5;Q9BXS5-2;K7EJL1;E7ENJ6;K7E	AP-1 complex subunit mu-1	AP1M1	CTSD/PBS	AP1M1	not considered/background		0,01302848	1
2770	Q9BXW7;Q9BXW7-2;A8MYZ9	Cat eye syndrome critical region protein 5	CECR5	CTSD/PBS	CECR5	not considered/background			0
2771	Q9BY32;Q9BY32-3;Q9BY32-2	Inosine triphosphate pyrophosphatase	ITPA	CTSD/PBS	ITPA	not considered/background		-0,044743821	1
2773	Q9BYD1;E5RJI7;H0YAX3;E5RFI2	39S ribosomal protein L13, mitochondrial	MRPL13	CTSD/PBS	MRPL13	not considered/background	0,19761381	0,199371326	2
2774	Q9BYD2;A0A1W2PPE5;A0A1W2PQB6;	39S ribosomal protein L9, mitochondrial	MRPL9	CTSD/PBS	MRPL9	not considered/background			0
2775	Q9BYD6;H0Y8N7	39S ribosomal protein L1, mitochondrial	MRPL1	CTSD/PBS	MRPL1	not considered/background	0,478195258	0,395131618	2
2776	Q9BYN8	28S ribosomal protein S26, mitochondrial	MRPS26	CTSD/PBS	MRPS26	not considered/background	0,14860877	0,100747015	2
2777	Q9BYT8;E9PCB6;H0YAK4;H0YAF7	Neurolysin, mitochondrial	NLN	CTSD/PBS	NLN	not considered/background	0,477884522	0,222094295	2
2778	Q9BZE1;S4R369;A6NHR2;H0Y4J2	39S ribosomal protein L37, mitochondrial	MRPL37	CTSD/PBS	MRPL37	not considered/background		0,662665685	1
2779	Q9BZF1-3;Q9BZF1-2;Q9BZF1;F8VUA7;I	Oxysterol-binding protein-related protein 8;Oxysterol-binding protein	OSBPL8	CTSD/PBS	OSBPL8	not considered/background	-0,33524412	0,245505819	2
2783	Q9C0C4	Semaphorin-4C	SEMA4C	CTSD/PBS	SEMA4C	not considered/background			0
2784	Q9C0C9;K7ES11;K7EQ12	E2/E3 hybrid ubiquitin-protein ligase UBE2O	UBE2O	CTSD/PBS	UBE2O	not considered/background	-0,050024389	0,18229489	2
2785	Q9C0E8-2;Q9C0E8;Q9C0E8-4;Q9C0E8-	Protein lunapark	LNP	CTSD/PBS	LNP	not considered/background	0,189919418	-0,265316867	2
2786	Q9C0G6;Q9C0G6-2;Q9C0G6-4	Dynein heavy chain 6, axonemal	DNAH6	CTSD/PBS	DNAH6	not considered/background			0
2787	Q9C0H2-3;Q9C0H2-2;Q9C0H2;Q9C0H	Protein tweety homolog 3;Protein tweety homolog	TTYH3	CTSD/PBS	TTYH3	not considered/background	-0,120529475	0,088208727	2
2788	Q9GZN8-2;Q9GZN8;H7BYU9	UPF0687 protein C20orf27	C20orf27	CTSD/PBS	C20orf27	not considered/background	0,282854909	-0,10272531	2
2790	Q9GZP4;Q9GZP4-2;X6R8S9;X6RHB9	PITH domain-containing protein 1	PITHD1	CTSD/PBS	PITHD1	not considered/background	0,032806145	-0,117030053	2
2791	Q9GZT3-2;Q9GZT3;H0YJW7;A0A087W	SRA stem-loop-interacting RNA-binding protein, mitochondrial	SLIRP	CTSD/PBS	SLIRP	not considered/background	0,239642442	0,344281819	2
2792	Q9GZT4;V9GYE8;I3L3N0;I3L4B4;I3L4L	Serine racemase	SRR	CTSD/PBS	SRR	not considered/background			0
2793	Q9GZT8-2;Q9GZT8;B8ZZI0;E7EXA3;Q6	NIF3-like protein 1	NIF3L1	CTSD/PBS	NIF3L1	not considered/background		0,03297899	1
2794	Q9GZU1;M0QXD0	Mucolipin-1	MCOLN1	CTSD/PBS	MCOLN1	not considered/background			0
2795	Q9GZY8-2;Q9GZY8;A0A0A0MS29;Q9G	Mitochondrial fission factor	MFF	CTSD/PBS	MFF	not considered/background	0,349931373	0,303614397	2
2796	Q9H019-3;Q9H019;C9JF50;E9PLU1;E	Mitochondrial fission regulator 1-like	MTFR1L	CTSD/PBS	MTFR1L	not considered/background		0,129970715	1
2797	Q9H061;Q9H061-2;E9PI90	Transmembrane protein 126A	TMEM126A	CTSD/PBS	TMEM126A	not considered/background			0
2798	Q9H074-3;D6REB4;Q9H074-2;Q9H07/	Polyadenylate-binding protein-interacting protein 1	PAIP1	CTSD/PBS	PAIP1	not considered/background	0,202762485	-0,367818344	2
2799	Q9H078-2;Q9H078-5;Q9H078-3;Q9H0	Caseinolytic peptidase B protein homolog	CLPB	CTSD/PBS	CLPB	not considered/background	0,400100683	0,191096043	2
2800	Q9H086;Q9H0B6-2;A8MZB7	Kinesin light chain 2	KLC2	CTSD/PBS	KLC2	not considered/background			0
2801	Q9H0E2;E7EN89;Q9H0E2-2;F2Z2Y8;E9	Toll-interacting protein	TOLLIP	CTSD/PBS	TOLLIP	not considered/background	-0,264997807	0,079310347	2
2802	Q9H0P0-3;Q9H0P0-2;Q9H0P0-1;X6RN	Cytosolic 5-nucleotidase 3A;5-nucleotidase	NT5C3A	CTSD/PBS	NT5C3A	not considered/background			0
2803	Q9H0Q3;J3QKN1;E9PJ02;E9PHZ3;A0A	FXYD domain-containing ion transport regulator 6	FXYD6	CTSD/PBS	FXYD6	not considered/background	0,171719239	0,016336896	2
2804	Q9H0U4;E9PLD0;Q92928	Ras-related protein Rab-1B;Putative Ras-related protein Rab-1C	RAB1B;RAB1C	CTSD/PBS	RAB1B	not considered/background	-0,339746764	0,024545897	2
2805	Q9H0V9-3;Q9H0V9;Q9H0V9-2	VIP36-like protein	LMAN2L	CTSD/PBS	LMAN2L	not considered/background			0
2806	Q9H0X4;B4DGG1;Q9H0X4-2;H7C2U8;	Protein ITFG3	ITFG3	CTSD/PBS	ITFG3	not considered/background	-0,284089062	-0,227987459	2
2807	Q9H115;A0A087WZQ7;Q9H115-2;Q9I	Beta-soluble NSF attachment protein	NAPB	CTSD/PBS	NAPB	not considered/background	0,035060797	-0,015069322	2
2808	Q9H169;Q9H169-2;Q9H169-3;Q9H16	Stathmin-4	STMN4	CTSD/PBS	STMN4	not considered/background			0
2810	Q9H1E5;E9PIN7	Thioredoxin-related transmembrane protein 4	TMX4	CTSD/PBS	TMX4	not considered/background	0,162210036	0,220849563	2
2811	Q9H1V8	Sodium-dependent neutral amino acid transporter SLC6A17	SLC6A17	CTSD/PBS	SLC6A17	not considered/background	-0,107290353	-0,33433944	2
2812	Q9H2B2;Q9H2B2-2;M0QZF3	Synaptotagmin-4	SYT4	CTSD/PBS	SYT4	not considered/background			0
2813	Q9H2C0;A0A3B3ITY2;A0A0S2Z5G5	Gigaxonin	GAN	CTSD/PBS	GAN	not considered/background			0
2814	Q9H2G2-2;Q9H2G2	STE20-like serine/threonine-protein kinase	SLK	CTSD/PBS	SLK	not considered/background			0
2815	Q9H2K0	Translation initiation factor IF-3, mitochondrial	MTIF3	CTSD/PBS	MTIF3	not considered/background	0,281549893		1
2816	Q9H2M9;Q9H2M9-2;F8WDJ2	Rab3 GTPase-activating protein non-catalytic subunit	RAB3GAP2	CTSD/PBS	RAB3GAP2	not considered/background		-0,060739158	1
2817	Q9H2U2;Q9H2U2-2;H0Y9D8;Q9H2U2-	Inorganic pyrophosphatase 2, mitochondrial	PPA2	CTSD/PBS	PPA2	not considered/background	0,441589712	0,474251823	2
2818	Q9H2W6;A0A087WT51;A0A087WT90	39S ribosomal protein L46, mitochondrial	MRPL46	CTSD/PBS	MRPL46	not considered/background		0,398208416	1
2819	Q9H2X9-2;Q9H2X9;Q9UP95-6;I3L4N6	Solute carrier family 12 member 5	SLC12A5	CTSD/PBS	SLC12A5	not considered/background	-0,355589922	-0,130403762	2
2821	Q9H330;Q9H330-4;H7C0G1;F8WBJ7;I	Transmembrane protein 245	TMEM245	CTSD/PBS	TMEM245	not considered/background	-0,283772894	-0,101784524	2
2822	Q9H3G5;H7C218;H7C0X5;C9JLV0	Probable serine carboxypeptidase CPVL	CPVL	CTSD/PBS	CPVL	not considered/background		-0,767485309	1
2823	Q9H3K2	Growth hormone-inducible transmembrane protein	GHITM	CTSD/PBS	GHITM	not considered/background	0,210513552	0,299631309	2
2824	Q9H3N1;G3V448	Thioredoxin-related transmembrane protein 1	TMX1	CTSD/PBS	TMX1	not considered/background	0,27524549	-0,217230716	2
2825	Q9H3P7	Golgi resident protein GCP60	ACBD3	CTSD/PBS	ACBD3	not considered/background			0
2826	Q9H3S7;R4GMM7	Tyrosine-protein phosphatase non-receptor type 23	PTPN23	CTSD/PBS	PTPN23	not considered/background			0
2827	X6R7I6;Q9H3Y8;Q9H3Y8-2	Pancreatic progenitor cell differentiation and proliferation factor	PPDPF	CTSD/PBS	PPDPF	not considered/background			0
2828	Q9H3Z4;Q9H3Z4-2	DnaJ homolog subfamily C member 5	DNAJC5	CTSD/PBS	DNAJC5	not considered/background	0,047119549		1
2829	Q9H444;P59074;Q96CF2	Charged multivesicular body protein 4b	CHMP4B	CTSD/PBS	CHMP4B	not considered/background		-0,166586914	1
2830	Q9H479	Fructosamine-3-kinase	FN3K	CTSD/PBS	FN3K	not considered/background	0,266036894	0,04820335	2
2832	Q9H492;Q9H492-2	Microtubule-associated proteins 1A/1B light chain 3A	MAP1LC3A	CTSD/PBS	MAP1LC3A	not considered/background	0,381061828	-0,060185765	2
2834	Q9H4G0-2;Q4VXN0;Q4VXN1;Q4VXN2	Band 4.1-like protein 1	EPB41L1	CTSD/PBS	EPB41L1	not considered/background	0,016353684	0,274354808	2
2835	Q9H4M9;A0A024R571;C9J2Z4;C9JC0	EH domain-containing protein 1	EHD1	CTSD/PBS	EHD1	not considered/background	-0,028278046	0,005188594	2
2836	Q9H553;Q9H553-2;A0A0A0MTE0	Alpha-1,3/1,6-mannosyltransferase ALG2	ALG2	CTSD/PBS	ALG2	not considered/background	0,073546061		1
2837	Q9H6K4;Q9H6K4-2	Optic atrophy 3 protein	OPA3	CTSD/PBS	OPA3	not considered/background			0
2838	Q9H6K5;Q9H6K5-2;A0A096LNU1	Proline-rich protein 36	PRR36	CTSD/PBS	PRR36	not considered/background	-0,162751033	-0,073408955	2
2840	Q9H727;A6NHH0;X6RJ95	Prostaglandin E synthase 2;Prostaglandin E synthase 2 truncated form	PTGES2	CTSD/PBS	PTGES2	not considered/background	0,249748715	0,538932506	2
2841	Q9H832-2;Q9H832;I3L4C5;H0Y9X8	Ubiquitin-conjugating enzyme E2 Z	UBE2Z	CTSD/PBS	UBE2Z	not considered/background	-0,073287004		1
2842	Q9H845;H0Y8Z9	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	CTSD/PBS	ACAD9	not considered/background	0,343578377	0,23743857	2
2843	Q9H857;Q9H857-3;Q9H857-2;Q9H85	5-nucleotidase domain-containing protein 2	NT5DC2	CTSD/PBS	NT5DC2	not considered/background	-0,018351895	0,193007858	2
2844	Q9H8M5;Q9H8M5-2;Q9H8M5-3	Metal transporter CNNM2	CNNM2	CTSD/PBS	CNNM2	not considered/background	-0,1957151		1
2845	Q9H8Y8-2;Q9H8Y8;Q9H8Y8-3	Golgi reassembly-stacking protein 2	GORASP2	CTSD/PBS	GORASP2	not considered/background			0
2846	Q9H936;E9PJH7;A0A0D9SFE1;A0A0D9	Mitochondrial glutamate carrier 1	SLC25A22	CTSD/PBS	SLC25A22	not considered/background	0,317188278	0,233905257	2
2847	Q9H9A6	Leucine-rich repeat-containing protein 40	LRRC40	CTSD/PBS	LRRC40	not considered/background	-0,151297948	-0,321812675	2
2848	Q9H9B4;D6RFI0;D6RDG7;S4R2X2;D6F	Sideroflexin-1	SFXN1	CTSD/PBS	SFXN1	not considered/background	0,408603179	0,100607788	2
2850	Q9H9J2	39S ribosomal protein L44, mitochondrial	MRPL44	CTSD/PBS	MRPL44	not considered/background		0,277638903	1
2851	Q9HA64;I3L2G3;I3L139;I3L407;I3L3W	Ketosamine-3-kinase	FN3KRP	CTSD/PBS	FN3KRP	not considered/background	-0,028307471		1
2852	Q9HA77;H0YFF0;A0A087WWV1;H0YF	Probable cysteine--tRNA ligase, mitochondrial	CARS2	CTSD/PBS	CARS2	not considered/background		-0,032806145	1
2854	Q9HAT2;Q9HAT2-2	Sialate O-acetylesterase	SIAE	CTSD/PBS	SIAE	not considered/background	0,078063256	-0,431141535	2
2855	Q9HAV0;A0A6Q8PFE0;A0A6Q8PFV8;H	Guanine nucleotide-binding protein subunit beta-4	GNB4	CTSD/PBS	GNB4	not considered/background	-0,372299787	-0,432531879	2
2856	Q9HAV7	GrpE protein homolog 1, mitochondrial	GRPEL1	CTSD/PBS	GRPEL1	not considered/background	0,40958102	0,6777257	2
2858	Q9HB71;Q9HB71-3;B2ZWH1;Q9HB71-	Calcyclin-binding protein	CACYBP	CTSD/PBS	CACYBP	not considered/background	0,088955682	0,028925542	2
2859	Q9HB90;Q9NQL2;Q9NQL2-2	Ras-related GTP-binding protein C;Ras-related GTP-binding protein D	RRAGC;RRAGD	CTSD/PBS	RRAGC	not considered/background	0,041523362	0,181084012	2
2861	Q9HBH0;F5GXB1;Q9HBH0-2;V9GY67	Rho-related GTP-binding protein RhoF	RHOF	CTSD/PBS	RHOF	not considered/background			0
2862	Q9HBH5;C9J2C7	Retinol dehydrogenase 14	RDH14;NT5C1B-RDH14	CTSD/PBS	RDH14	not considered/background			0
2864	Q9HC38-2;Q9HC38;F6TLX2;I3L3Q4;Q9	Glyoxalase domain-containing protein 4	GLOD4	CTSD/PBS	GLOD4	not considered/background	0,150689643	0,045684556	2
2865	Q9HCC0-2;Q9HCC0;D6RD67;D6R9R1;I	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	CTSD/PBS	MCCC2	not considered/background	0,22983399	-0,044184258	2
2866	Q9HCD6;Q9HCD6-2;Q9HCD6-3;Q9HCI	Protein TANC2	TANC2	CTSD/PBS	TANC2	not considered/background			0
2867	Q9HCE9;Q9HCE9-2;M0QYD2	Anoctamin-8;Anoctamin	ANO8	CTSD/PBS	ANO8	not considered/background			0
2868	Q9HCJ6	Synaptic vesicle membrane protein VAT-1 homolog-like	VAT1L	CTSD/PBS	VAT1L	not considered/background	0,141171172	-0,011924948	2
2869	Q9HCM2;Q9HCM2-4;Q9HCM2-2;Q9HC	Plexin-A4	PLXNA4	CTSD/PBS	PLXNA4	not considered/background	-0,1345879	-0,001009533	2
2870	Q9HCM3-2;Q9HCM3;Q9HCM3-3;Q9HC	UPF0606 protein KIAA1549	KIAA1549	CTSD/PBS	KIAA1549	not considered/background			0
2872	Q9HCU5;B5MC98;H7C2N7;F8WCS5;H	Prolactin regulatory element-binding protein	PREB	CTSD/PBS	PREB	not considered/background	0,1728715	0,070739224	2
2873	Q9HD20-2;Q9HD20;H7C3H2;Q9HD20	Manganese-transporting ATPase 13A1	ATP13A1	CTSD/PBS	ATP13A1	not considered/background	0,023894043	-0,277865757	2
2874	Q9HD26-2;Q9HD26;A0A0J9YVX5;Q9H	Golgi-associated PDZ and coiled-coil motif-containing protein	GOPC	CTSD/PBS	GOPC	not considered/background			0
2875	Q9HD33;Q9HD33-2;Q9HD33-3	39S ribosomal protein L47, mitochondrial	MRPL47	CTSD/PBS	MRPL47	not considered/background	0,055056793	0,310343006	2
2876	Q9HDC9;H0Y512;Q9HDC9-2	Adipocyte plasma membrane-associated protein	APMAP	CTSD/PBS	APMAP	not considered/background	0,139993302	-0,089769309	2
2877	Q9NP58-4;Q9NP58	ATP-binding cassette sub-family B member 6, mitochondrial	ABCB6	CTSD/PBS	ABCB6	not considered/background	0,147436959	0,572458187	2
2878	Q9NP72;Q9NP72-2;A0A087X163;Q5V	Ras-related protein Rab-18	RAB18	CTSD/PBS	RAB18	not considered/background	-0,053583536	-0,307078739	2
2879	Q9NP90	Ras-related protein Rab-9B	RAB9B	CTSD/PBS	RAB9B	Transport machinery	0,259664184	0,135443384	2
2880	Q9NP92	28S ribosomal protein S30, mitochondrial	MRPS30	CTSD/PBS	MRPS30	not considered/background			0

2881	Q9NP97;Q8TF09;H3BNG9;H3BPA0;Q9	Dynein light chain roadblock-type 1;Dynein light chain roadblock-type 2	DYNLRB1;DYNLRB2	CTSD/PBS	DYNLRB1	not considered/background	-0,139862368	1
2882	Q9NPH2-2;Q9NPH2-3;Q9NPH2;J3KRH	Inositol-3-phosphate synthase 1	ISYNA1	CTSD/PBS	ISYNA1	not considered/background	-0,335553569	-0,054362288	2
2883	Q9NPJ3;Q9NPJ3-2	Acyl-coenzyme A thioesterase 13;Acyl-coenzyme A thioesterase 13, N-terminally processed	ACOT13	CTSD/PBS	ACOT13	not considered/background	0,109561152	0,211782041	2
2884	Q9NPL8;C9JU35;G3XA94	Complex I assembly factor TIMMDC1, mitochondrial	TIMMDC1	CTSD/PBS	TIMMDC1	not considered/background			0
2885	Q9NPQ8-2;Q9NPQ8-4;Q9NPQ8;Q9NPC	Synembryn-A	RIC8A	CTSD/PBS	RIC8A	not considered/background			0
2886	Q9NQ11-2;Q9NQ11-3;Q9NQ11;H0Y95	Probable cation-transporting ATPase 13A2	ATP13A2	CTSD/PBS	ATP13A2	not considered/background			0
2888	Q9NQ66;Q9NQ66-2;A0A087WT80;A0/	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1;Phosphoinositide phospholi	PLCB1	CTSD/PBS	PLCB1	not considered/background	-0,380352233	-0,10433666	2
2890	Q9NQC3;Q9NQC3-6;Q9NQC3-4;Q9NQ(	Reticulon-4	RTN4	CTSD/PBS	RTN4	not considered/background	-0,097748869	0,117161344	2
2893	Q9NQE9	Histidine triad nucleotide-binding protein 3	HINT3	CTSD/PBS	HINT3	not considered/background	0,236829335	0,012810129	2
2895	Q9NQR4;H7C579;F8WF70	Omega-amidase NIT2	NIT2	CTSD/PBS	NIT2	not considered/background	-0,491186004	-0,187387707	2
2897	Q9NR28-2;Q9NR28;A0A024RBT2;Q9N	Diablo homolog, mitochondrial	DIABLO	CTSD/PBS	DIABLO	not considered/background	0,270947487	0,521639044	2
2898	Q9NR31;X1WI22;D6RAA2;Q5SQT8;D6	GTP-binding protein SAR1a;GTP-binding protein SAR1b	SAR1A;SAR1B	CTSD/PBS	SAR1A	not considered/background	-0,183211906	0,00129901	2
2899	Q9NR45;Q5TBR0	Sialic acid synthase	NANS	CTSD/PBS	NANS	not considered/background			0
2900	Q9NRA2-2;Q9NRA2	Sialin	SLC17A5	CTSD/PBS	SLC17A5	not considered/background			0
2901	Q9NRN7;E9PLW6;E9PNF3;Q9NRN7-2	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	AASDHPPT	CTSD/PBS	AASDHPPT	not considered/background	-0,503506971	-0,170437869	2
2902	Q9NRR5;Q9NRR5-2	Ubiquilin-4	UBQLN4	CTSD/PBS	UBQLN4	not considered/background			0
2903	Q9NRV9;A0A3B3IRV5;F5GWX2;H0YG7	Heme-binding protein 1	HEBP1	CTSD/PBS	HEBP1	not considered/background	0,045163352	-0,018206857	2
2904	Q9NRW1;Q9NRW1-2;J3KR73;C9JU14;	Ras-related protein Rab-6B	RAB6B	CTSD/PBS	RAB6B	not considered/background	-0,070133272	-0,14834845	2
2905	Q9NRX4;Q9NRX4-2	14 kDa phosphohistidine phosphatase	PHPT1	CTSD/PBS	PHPT1	not considered/background	0,10353121	-0,626953042	2
2906	Q9NRX5	Serine incorporator 1	SERINC1	CTSD/PBS	SERINC1	not considered/background	0,271545198	0,322505288	2
2907	Q9NRY4	Rho GTPase-activating protein 35	ARHGAP35	CTSD/PBS	ARHGAP35	not considered/background	-0,219622703	-0,056583528	2
2908	Q9NRY6;I3L3X5;I3L161;I3NI29;I3L4F5	Phospholipid scramblase 3	PLSCR3;TMEM256-PLSCR3	CTSD/PBS	PLSCR3	not considered/background	0,097610797	-0,105678078	2
2909	Q9NRZ5;Q9NRZ5-2;H0Y5R3;Q6AI25;G	1-acyl-sn-glycerol-3-phosphate acyltransferase delta	AGPAT4	CTSD/PBS	AGPAT4	not considered/background	0,151728955	-0,162210036	2
2910	Q9NRZ7-2;Q9NRZ7;Q9NRZ7-3	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma	AGPAT3	CTSD/PBS	AGPAT3	not considered/background			0
2911	Q9NS69	Mitochondrial import receptor subunit TOM22 homolog	TOMM22	CTSD/PBS	TOMM22	not considered/background	0,249141903	0,483298979	2
2912	Q9NS86	LanC-like protein 2	LANCL2	CTSD/PBS	LANCL2	not considered/background	-0,16291254	-0,12154595	2
2913	Q9NSD9;Q9NSD9-2	Phenylalanine--tRNA ligase beta subunit	FARSB	CTSD/PBS	FARSB	not considered/background	0,405447844	0,255459978	2
2914	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	CTSD/PBS	IARS2	not considered/background	0,31741985	0,234176743	2
2915	Q9NT62;Q9NT62-2	Ubiquitin-like-conjugating enzyme ATG3	ATG3	CTSD/PBS	ATG3	not considered/background			0
2916	Q9NT99;M0R2G0;Q9HCJ2;Q9HBW1	Leucine-rich repeat-containing protein 4B	LRRC4B	CTSD/PBS	LRRC4B	not considered/background	-0,114925492	-0,184597684	2
2917	Q9NTI2-1;Q9NTI2;F8W9B3;F8VRS1;Q9	Phospholipid-transporting ATPase IB;Phospholipid-transporting ATPase	ATP8A2	CTSD/PBS	ATP8A2	not considered/background	-0,318002098	-0,138552375	2
2919	Q9NUJ1;Q9NUJ1-2;Q9NUJ1-3	Mycophenolic acid acyl-glucuronide esterase, mitochondrial	ABHD10	CTSD/PBS	ABHD10	not considered/background	0,259905175	0,364013496	2
2920	Q9NUP9;G3V1D4	Protein lin-7 homolog C	LIN7C	CTSD/PBS	LIN7C	not considered/background	-0,047338416	-0,167100969	2
2921	Q9NUQ2;H0YC22;E5RH21	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon	AGPAT5	CTSD/PBS	AGPAT5	not considered/background	-0,167442097	0,229263966	2
2922	Q9NUQ9;E5RI16;Q9NUQ9-2;A0A1W2F	Protein FAM49B	FAM49B	CTSD/PBS	FAM49B	not considered/background	-0,116566864	0,10942101	2
2923	Q9NUT2-5;Q9NUT2-4;Q9NUT2-2;Q9NL	ATP-binding cassette sub-family B member 8, mitochondrial	ABCB8	CTSD/PBS	ABCB8	not considered/background			0
2925	Q9NVE7;E9PHT6;H0YA26;H0Y9E4	Pantothenate kinase 4	PANK4	CTSD/PBS	PANK4	not considered/background			0
2926	Q9NVG8;Q9NVG8-3;Q9NVG8-2	TBC1 domain family member 13	TBC1D13	CTSD/PBS	TBC1D13	not considered/background			0
2928	Q9NVH1-3;Q9NVH1;Q9NVH1-2;Q5TH6	DnaJ homolog subfamily C member 11	DNAJC11	CTSD/PBS	DNAJC11	not considered/background	0,13553487	0,366168936	2
2929	Q9NVH6-7;Q9NVH6-6;Q9NVH6-5;Q9N	Trimethyllysine dioxygenase, mitochondrial	TMLHE	CTSD/PBS	TMLHE	not considered/background			0
2930	Q9NVI7-2;Q9NVI7;Q9NVI7-3;Q5T9A4;(	ATPase family AAA domain-containing protein 3A;ATPase family AAA domain-containing protein	ATAD3A;ATAD3B	CTSD/PBS	ATAD3A	not considered/background	0,245860702	0,300554974	2
2931	Q9NVJ2;Q9NVJ2-2	ADP-ribosylation factor-like protein 8B	ARL8B	CTSD/PBS	ARL8B	not considered/background	-0,75616034	-0,060185765	2
2932	Q9NVT9;E5RJ86;Q9NVT9-2;E9PR92;E5	Armadillo repeat-containing protein 1	ARMC1	CTSD/PBS	ARMC1	not considered/background		0,211648382	1
2933	Q9NW15-4;Q9NW15-3;Q9NW15;C9JF	Anoctamin-10;Anoctamin	ANO10	CTSD/PBS	ANO10	not considered/background			0
2934	Q9NX00	Transmembrane protein 160	TMEM160	CTSD/PBS	TMEM160	not considered/background	0,253384236		1
2935	Q9NX14;Q9NX14-2	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	NDUFB11	CTSD/PBS	NDUFB11	not considered/background			0
2936	Q9NX20;E9PJ14	39S ribosomal protein L16, mitochondrial	MRPL16	CTSD/PBS	MRPL16	not considered/background	0,373620373	0,608320252	2
2937	Q9NX40;D6RBN5;Q9NX40-4;Q9NX40-	OCIA domain-containing protein 1	OCIAD1	CTSD/PBS	OCIAD1	not considered/background	-0,068543859	0,310021032	2
2938	Q9NX46	Poly(ADP-ribose) glycohydrolase ARH3	ADPRHL2	CTSD/PBS	ADPRHL2	not considered/background			0
2939	Q9NX47	E3 ubiquitin-protein ligase MARCH5	MARCH5	CTSD/PBS	MARCH5	not considered/background	-0,075291992	0,503793334	2
2940	Q9NXA8-2;Q9NXA8;Q9NXA8-4;Q9NXA	NAD-dependent protein deacylase sirtuin-5, mitochondrial	SIRT5	CTSD/PBS	SIRT5	not considered/background	0,288299495	0,243386571	2
2941	Q9NXG6;Q9NXG6-3;V9GY20;H7C153;I	Transmembrane prolyl 4-hydroxylase	P4HTM	CTSD/PBS	P4HTM	not considered/background	0,244156396	0,177963328	2
2942	Q9NXN4-2;Q9NXN4	Ganglioside-induced differentiation-associated protein 2	GDAP2	CTSD/PBS	GDAP2	not considered/background			0
2943	Q9NY59;Q9NY59-2;H3BSS1	Sphingomyelin phosphodiesterase 3	SMPD3	CTSD/PBS	SMPD3	not considered/background	-0,268781995	0,065068394	2
2944	Q9NY72;A0A590UJQ5;A0A590UJ13	Sodium channel subunit beta-3	SCN3B	CTSD/PBS	SCN3B	not considered/background	0,080521232	0,403923576	2
2946	Q9NYK5-2;Q9NYK5;C9JG87	39S ribosomal protein L39, mitochondrial	MRPL39	CTSD/PBS	MRPL39	not considered/background	-0,055246481	0,720921004	2
2947	Q9NYQ7;Q9NYQ7-2	Cadherin EGF LAG seven-pass G-type receptor 3	CELSR3	CTSD/PBS	CELSR3	not considered/background			0
2948	Q9NYU2-2;Q9NYU2;H7BZG0;F8WCI2;F	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1	CTSD/PBS	UGGT1	not considered/background	0,017494379	0,110448581	2
2949	Q9NYX4-2;Q9NYX4;Q9NYX4-3	Neuron-specific vesicular protein calcyon	CALY	CTSD/PBS	CALY	not considered/background			0
2950	Q9NZ01;M0R2N5;M0R3C3;Q9NZ01-2;	Very-long-chain enoyl-CoA reductase	TECR	CTSD/PBS	TECR	not considered/background	-0,267670011		1
2951	V9GYX7;Q9NZ32;G3V2Q5;G3V5Y4;F6S	Actin-related protein 10	ACTR10	CTSD/PBS	ACTR10	not considered/background	-0,225210832		1
2952	Q9NZ45	CDGSH iron-sulfur domain-containing protein 1	CISD1	CTSD/PBS	CISD1	not considered/background	0,169155359	0,054886763	2
2953	Q9NZ53;Q9NZ53-2	Podocalyxin-like protein 2	PODXL2	CTSD/PBS	PODXL2	not considered/background	0,123003954	0,149728635	2
2954	Q9NZ72-2;Q9NZ72-2;A0A0J9YW36;A0A(	Stathmin-3	STMN3	CTSD/PBS	STMN3	not considered/background	0,128557365	-0,074642438	2
2955	Q9NZ94-3;Q9NZ94-2;Q9NZ94;A0A087	Neuroligin-3	NLGN3	CTSD/PBS	NLGN3	not considered/background	-0,214256962		1
2956	Q9NZC3;H3BU22	Glycerophosphodiester phosphodiesterase 1	GDE1	CTSD/PBS	GDE1	not considered/background			0
2958	Q9NZI8;Q9NZI8-2	Insulin-like growth factor 2 mRNA-binding protein 1	IGF2BP1	CTSD/PBS	IGF2BP1	not considered/background			0
2959	Q9NZJ7-2;Q9NZJ7;H0Y8C3;Q9NZJ7-3;I	Mitochondrial carrier homolog 1	MTCH1	CTSD/PBS	MTCH1	not considered/background	-0,070799833	-0,103396924	2
2960	Q9NZN3;Q9NZN3-2;Q9NZN4	EH domain-containing protein 3	EHD3	CTSD/PBS	EHD3	not considered/background	0,196481149	-0,604166235	2
2961	Q9NZR1;Q9NZR1-2;G5EA42;H0YMA2;F	Tropomodulin-2	TMOD2	CTSD/PBS	TMOD2	not considered/background	-0,18606493	-0,369941022	2
2963	Q9P032	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4	NDUFAF4	CTSD/PBS	NDUFAF4	not considered/background	0,316956668	0,41717427	2
2964	Q9P035;H3B572;H3BPZ1;Q9P035-2;H	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	HACD3	CTSD/PBS	HACD3	not considered/background	-0,09451046	0,105876837	2
2965	Q9P0I2-2;Q9P0I2;S4R3U9;C9JLM9	ER membrane protein complex subunit 3	EMC3	CTSD/PBS	EMC3	not considered/background			0
2966	Q9P0J0;Q9P0J0-2;B4DEZ3;K7EJE1;E7E	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	NDUFA13	CTSD/PBS	NDUFA13	not considered/background	0,073271836	0,105240431	2
2967	Q9P0J1;Q9P0J1-2	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial	PDP1	CTSD/PBS	PDP1	not considered/background			0
2968	Q9P0K9	DOMON domain-containing protein FRRS1L	FRRS1L	CTSD/PBS	FRRS1L	not considered/background	-0,355829914		1
2969	Q9P0L0;Q9P0L0-2;J3QKM9	Vesicle-associated membrane protein-associated protein A	VAPA	CTSD/PBS	VAPA	not considered/background	0,090988888	0,040422712	2
2971	Q9P121-3;Q9P121-2;Q9P121;Q9P121	Neurotrimin	NTM	CTSD/PBS	NTM	not considered/background	0,245495663	-0,016638942	2
2972	Q9P1W3	Calcium permeable stress-gated cation channel 1	TMEM63C	CTSD/PBS	TMEM63C	not considered/background			0
2973	Q9P1Y5-2;Q9P1Y5;H0YE13	Calmodulin-regulated spectrin-associated protein 3	CAMSAP3	CTSD/PBS	CAMSAP3	not considered/background			0
2974	Q9P227-2;Q9P227;A0A087WXU2;A0A	Rho GTPase-activating protein 23	ARHGAP23	CTSD/PBS	ARHGAP23	not considered/background		-0,279055216	1
2975	Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	CTSD/PBS	LRFN1	not considered/background		0,180593405	1
2976	Q9P265	Disco-interacting protein 2 homolog B	DIP2B	CTSD/PBS	DIP2B	not considered/background	-0,192661566		1
2977	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	CTSD/PBS	PTGFRN	not considered/background	-0,027527902	-0,105543992	2
2978	Q9P2R3;Q9P2R3-2;Q9P2R3-4;I3L3P8	Rabankyrin-5	ANKFY1	CTSD/PBS	ANKFY1	not considered/background			0
2979	Q9P2U8;Q9P2U7-2;Q9P2U7-3;Q9P2U	Vesicular glutamate transporter 2	SLC17A6	CTSD/PBS	SLC17A6	not considered/background	-0,229263966	-0,175811994	2
2980	Q9P2X0;Q9P2X0-2	Dolichol-phosphate mannosyltransferase subunit 3	DPM3	CTSD/PBS	DPM3	not considered/background	0,273814245	0,06072828	2
2981	Q9UBB4;A0A1W2PQD2;Q9UBB4-2;B1;	Ataxin-10	ATXN10	CTSD/PBS	ATXN10	not considered/background	-0,255666653	-0,067638717	2
2982	Q9UBB6-2;Q9UBB6;Q9UBB6-3;C9J5H8	Neurochondrin	NCDN	CTSD/PBS	NCDN	not considered/background	-0,259478221	-0,198619873	2
2983	Q9UBH6;Q9UBH6-2	Xenotropic and polytropic retrovirus receptor 1	XPR1	CTSD/PBS	XPR1	not considered/background	0,282261867	0,554887791	2
2984	Q9UBI6	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	GNG12	CTSD/PBS	GNG12	not considered/background	0,148869044	-1,250052025	2
2985	Q9UBM7;E9PM00;E9PJ54;H0YE57;E9F	7-dehydrocholesterol reductase	DHCR7	CTSD/PBS	DHCR7	not considered/background	0,03562391	0,228756701	2
2986	Q9UBQ7;U3KQ56;Q9UBQ7-2	Glyoxylate reductase/hydroxypyruvate reductase	GRHPR	CTSD/PBS	GRHPR	not considered/background	-0,147026374	-0,049351959	2
2988	Q9UBS4;H7C2Y5	DnaJ homolog subfamily B member 11	DNAJB11	CTSD/PBS	DNAJB11	not considered/background	0,263995882	-0,085424656	2
2989	Q9UBU6	Protein FAM8A1	FAM8A1	CTSD/PBS	FAM8A1	not considered/background		0,144967103	1
2990	Q9UBV2;Q9UBV2-2;G3V3B3	Protein sel-1 homolog 1	SEL1L	CTSD/PBS	SEL1L	not considered/background	0,008056555	0,369240422	2
2991	Q9UBV8	Peflin	PEF1	CTSD/PBS	PEF1	not considered/background	0,087327052		1
2992	Q9UBW8;F5H4U8;F5H7C6;F5GYF7;F5I	COP9 signalosome complex subunit 7a	COPS7A	CTSD/PBS	COPS7A	not considered/background	-0,273622148		1
2993	Q9UDT6;Q9UDT6-2;H7C4L6	CAP-Gly domain-containing linker protein 2	CLIP2	CTSD/PBS	CLIP2	not considered/background	-0,278513592	0,172701252	2
2994	Q9UDW1;Q9UDW1-2	Cytochrome b-c1 complex subunit 9	UQCR10	CTSD/PBS	UQCR10	not considered/background	0,044044333		1
2995	Q9UDY4;C9JUL4	DnaJ homolog subfamily B member 4	DNAJB4	CTSD/PBS	DNAJB4	not considered/background		0,154200869	1
2996	Q9UEU0;Q9UEU0-2;J3KMW2;G3V5I2;I	Vesicle transport through interaction with t-SNAREs homolog 1B	VTI1B	CTSD/PBS	VTI1B	not considered/background	0,120750053	0,132261648	2
2997	Q9UEW8-2;Q9UEW8	STE20/SPS1-related proline-alanine-rich protein kinase	STK39	CTSD/PBS	STK39	not considered/background	-0,701740533	-0,199499604	2
2998	Q9UFN0	Protein NipSnap homolog 3A	NIPSNAP3A	CTSD/PBS	NIPSNAP3A	not considered/background	-0,014426708	0,025881896	2
2999	Q9UGP8;A6PVC9	Translocation protein SEC63 homolog	SEC63	CTSD/PBS	SEC63	not considered/background	-0,119557393		1
3000	Q9UH62	Armadillo repeat-containing X-linked protein 3	ARMCX3	CTSD/PBS	ARMCX3	not considered/background	-0,178028613	0,229602242	2
3001	Q9UHA4;Q9UHA4-2	Ragulator complex protein LAMTOR3	LAMTOR3	CTSD/PBS	LAMTOR3	not considered/background	0,043904394		1
3002	Q9UHB9-4;Q9UHB9-2;Q9UHB9;K7EN5	Signal recognition particle subunit SRP68	SRP68	CTSD/PBS	SRP68	not considered/background			0
3003	Q9UHC6;A0A0J9YYA0;A0A0J9YWG3;B	Contactin-associated protein-like 2	CNTNAP2	CTSD/PBS	CNTNAP2	not considered/background	0,100439479	0,103766908	2
3004	Q9UHD8;Q9UHD8-5;Q9UHD8-2;Q9UH	Septin-9	SEPT9	CTSD/PBS	SEPT9	not considered/background	0,155360663	-0,352532557	2
3005	Q9UHD9	Ubiquilin-2	UBQLN2	CTSD/PBS	UBQLN2	not considered/background	-0,161814648	0,046652803	2
3006	Q9UHG2	ProSAAS;KEP;Big SAAS;Little SAAS;Big PEN-LEN;PEN;Little LEN;Big LEN	PCSK1N	CTSD/PBS	PCSK1N	not considered/background	0,244278199	-0,264356271	2
3007	Q9UHG3;Q9UHG3-2;F8W8W4;C9K05	Prenylcysteine oxidase 1	PCYOX1	CTSD/PBS	PCYOX1	not considered/background	-0,183310192	-0,032806145	2
3008	Q9UHL4;R4GNE8;R4GN05;R4GMU5;R	Dipeptidyl peptidase 2	DPP7	CTSD/PBS	DPP7	not considered/background	-0,083737387	0,035771433	2
3009	Q9UHQ9;H7C0R7	NADH-cytochrome b5 reductase 1	CYB5R1	CTSD/PBS	CYB5R1	not considered/background	0,027861775	0,375683829	2
3010	Q9UHV9	Prefoldin subunit 2	PFDN2	CTSD/PBS	PFDN2	not considered/background	-0,059089067	0,016833084	2
3011	Q9UHY7;A0A0C4DGY8;D6RA00;Q9UH	Enolase-phosphatase E1	ENOPH1	CTSD/PBS	ENOPH1	not considered/background	-0,345142895	0,075839291	2
3012	Q9UI08;Q9UI08-2;Q9UI08-4;Q9UI08-3	Ena/VASP-like protein	EVL	CTSD/PBS	EVL	not considered/background	0,039278795	-0,170566057	2
3013	Q9UI09;Q9UI09-2;F8VRD8;H0YID5;F8	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	NDUFA12	CTSD/PBS	NDUFA12	not considered/background	0,211884402	0,173823738	2
3014	Q9UI12-2;Q9UI12;G3V126;E5RG49;E5	V-type proton ATPase subunit H	ATP6V1H	CTSD/PBS	ATP6V1H	not considered/background	-0,018205786	-0,113833829	2
3015	Q9UI15;C9J5W6;H7C5N2;C9JCX3	Transgelin-3	TAGLN3	CTSD/PBS	TAGLN3	not considered/background	0,13066734	-0,075874867	2
3016	Q9UIC8;Q9UIC8-2;I3L4A2;Q9UIC8-3;I3	Leucine carboxyl methyltransferase 1	LCMT1	CTSD/PBS	LCMT1	not considered/background			0
3017	Q9UID3-2;Q9UID3;E9PRV0;E9PJ36;E9I	Vacuolar protein sorting-associated protein 51 homolog	VPS51	CTSD/PBS	VPS51	not considered/background			0
3018	Q9UII2;Q9UII2-3;Q9UII2-2;A0A0B4J23	ATPase inhibitor, mitochondrial	ATPIF1	CTSD/PBS	ATPIF1	not considered/background	-0,520314141	0,892124693	2
3019	Q9UIJ7;Q9UIJ7-3;Q9UIJ7-2	GTP:AMP phosphotransferase AK3, mitochondrial	AK3	CTSD/PBS	AK3	not considered/background	0,425351877	0,358990457	2
3020	Q9UIQ6-3;Q9UIQ6-2;Q9UIQ6	Leucyl-cystinyl aminopeptidase;Leucyl-cystinyl aminopeptidase, pregnancy serum form	LNPEP	CTSD/PBS	LNPEP	not considered/background		0,341591981	1
3021	Q9UIW2	Plexin-A1	PLXNA1	CTSD/PBS	PLXNA1	not considered/background	-0,041847757	0,171628387	2
3022	Q9UJ14;Q9UJ14-4;Q9UJ14-5;A2A2G5	Gamma-glutamyltransferase 7;Gamma-glutamyltransferase 7 heavy chain;Gamma-glutamyltrans	GGT7	CTSD/PBS	GGT7	not considered/background	-0,024766032		1
3024	Q9UJS0-2;Q9UJS0;R4GN64	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	CTSD/PBS	SLC25A13	not considered/background	-0,025265127	0,03112036	2
3025	Q9UJU6;Q9UJU6-5;H0Y5J4;F8WBG8;F	Drebrin-like protein	DBNL	CTSD/PBS	DBNL	not considered/background	-0,216501438	-0,09396575	2
3027	Q9UJW0-2;Q9UJW0;Q9UJW0-3;E5RG	Dynactin subunit 4	DCTN4	CTSD/PBS	DCTN4	not considered/background		-0,158337027	1
3028	Q9UJZ1;A0A087WYB4;Q9UJZ1-2;F2Z2	Stomatin-like protein 2, mitochondrial	STOML2	CTSD/PBS	STOML2	not considered/background	0,189666447	0,437623236	2
3029	Q9UK76;I3KT51;Q9UK76-3;Q9UK76-2	Hematological and neurological expressed 1 protein;Hematological and neurological expressed 1	HN1	CTSD/PBS	HN1	not considered/background	0,001009533	-0,039419183	2
3030	Q9UKB3;S4R3E2;Q9UKB3-2;S4R3W0;S	DnaJ homolog subfamily C member 12	DNAJC12	CTSD/PBS	DNAJC12	not considered/background			0
3031	Q9UKC9;Q9UKC9-2;F8WE99	F-box/LRR-repeat protein 2	FBXL2	CTSD/PBS	FBXL2	not considered/background	0,311735602		1
3032	Q9UKE5;Q9UKE5-4;Q9UKE5-3;Q9UKE5	TRAF2 and NCK-interacting protein kinase	TNIK	CTSD/PBS	TNIK	not considered/background	-0,452648888	-0,196984664	2
3033	Q9UKG1	DCC-interacting protein 13-alpha	APPL1	CTSD/PBS	APPL1	not considered/background			0
3035	Q9UKU7-2;Q9UKU7-3;Q9UKU7	Isobutyryl-CoA dehydrogenase, mitochondrial	ACAD8	CTSD/PBS	ACAD8	not considered/background			0
3036	Q9UKY7;Q9UKY7-2;D6R9V8;D6RFH2;D	Protein CDV3 homolog	CDV3	CTSD/PBS	CDV3	not considered/background	-0,044672316	-0,15367565	2
3037	Q9UKZ4;Q9UKZ4-2	Teneurin-1;Ten-1 intracellular domain;Teneurin C-terminal-associated peptide	TENM1	CTSD/PBS	TENM1	not considered/background			0
3038	Q9UL25	Ras-related protein Rab-21	RAB21	CTSD/PBS	RAB21	not considered/background	0,156267163	0,039414155	2

3039	Q9UL26;J3QR51;Q13636	Ras-related protein Rab-22A	RAB22A	CTSD/PBS	RAB22A	not considered/background		-0,268913416	1
3040	Q9ULC3	Ras-related protein Rab-23	RAB23	CTSD/PBS	RAB23	not considered/background	-0,146323657	0,05398786	2
3041	Q9ULC4-2;Q9ULC4;Q9ULC4-3;A0A3B3	Malignant T-cell-amplified sequence 1	MCTS1	CTSD/PBS	MCTS1	not considered/background	-0,47114867	-0,16748639	2
3042	Q9ULD0;Q9ULD0-3;Q9ULD0-2	2-oxoglutarate dehydrogenase-like, mitochondrial	OGDHL	CTSD/PBS	OGDHL	not considered/background	0,315913965	-0,112366523	2
3043	Q9ULF5;Q9ULF5-2;E7ENT5;E7EV45	Zinc transporter ZIP10	SLC39A10	CTSD/PBS	SLC39A10	not considered/background	0,142348082	-0,00662118	2
3044	Q9ULH0-2;Q9ULH0-4;Q9ULH0;E9PH7(	Kinase D-interacting substrate of 220 kDa	KIDINS220	CTSD/PBS	KIDINS220	not considered/background	0,001297842	0,308555169	2
3045	Q9ULK0;Q9ULK0-2;G3V186;O43424-2	Glutamate receptor ionotropic, delta-1	GRID1	CTSD/PBS	GRID1	not considered/background			0
3046	Q9ULK5	Vang-like protein 2	VANGL2	CTSD/PBS	VANGL2	not considered/background	0,313245852	0,284229604	2
3047	Q9ULP0-7;Q9ULP0-6;Q9ULP0-3;Q9ULI	Protein NDRG4	NDRG4	CTSD/PBS	NDRG4	not considered/background	-0,055981185	-0,407080775	2
3048	Q9ULV4-3;Q9ULV4-2;Q9ULV4;B4E3S0;	Coronin-1C;Coronin	CORO1C	CTSD/PBS	CORO1C	not considered/background	0,118891252	-0,056167306	2
3049	Q9UM00-1;Q9UM00-2;Q9UM00;J3KS	Transmembrane and coiled-coil domain-containing protein 1	TMCO1	CTSD/PBS	TMCO1	not considered/background	-0,115706865	0,104247576	2
3050	Q9UM19;B4DGW9	Hippocalcin-like protein 4	HPCAL4	CTSD/PBS	HPCAL4	not considered/background	-0,097455571	-0,091801369	2
3051	Q9UM22;Q9UM22-2;Q9UM22-3	Mammalian ependymin-related protein 1	EPDR1	CTSD/PBS	EPDR1	not considered/background	0,017066724	-0,363339312	2
3052	Q9UMF0;K7EIL3	Intercellular adhesion molecule 5	ICAM5	CTSD/PBS	ICAM5	not considered/background	-0,486044433		1
3053	Q9UMX0-2;Q9UMX0;Q9UMX0-3;Q9UI	Ubiquilin-1	UBQLN1	CTSD/PBS	UBQLN1	not considered/background	-0,253687234	0,19211756	2
3054	Q9UMX5	Neudesin	NENF	CTSD/PBS	NENF	not considered/background			0
3055	Q9UMZ2-6;Q9UMZ2-9;Q9UMZ2-4;Q9L	Synergin gamma	SYNRG	CTSD/PBS	SYNRG	not considered/background		0,1857203	1
3056	Q9UN36;Q9UN36-2;Q9UN36-3;G3V4S	Protein NDRG2	NDRG2	CTSD/PBS	NDRG2	not considered/background	-0,31433788	-0,247927513	2
3057	Q9UN74;A0A087WSW8;Q9UN74-2;A0	Protocadherin alpha-4	PCDHA4	CTSD/PBS	PCDHA4	not considered/background	-0,21985791	0,244479988	2
3058	Q9UN86-2;Q9UN86;D6RGJ4;D6RAC7;I	Ras GTPase-activating protein-binding protein 2	G3BP2	CTSD/PBS	G3BP2	not considered/background			0
3059	Q9UNK0;I3L305;K7EQB1;I3L3D0;K7ER	Syntaxin-8	STX8	CTSD/PBS	STX8	not considered/background	0,025595836	0,216887035	2
3060	Q9UNN5;B3KT28;B1ANM7;Q9UNN5-2	FAS-associated factor 1	FAF1	CTSD/PBS	FAF1	not considered/background	-0,118288401		1
3061	Q9UNS2;Q9UNS2-2;H7C3P9;J3QKR0;C	COP9 signalosome complex subunit 3	COPS3	CTSD/PBS	COPS3	not considered/background		-0,093424959	1
3062	Q9UNW1;Q9UNW1-3;Q9UNW1-4;Q9L	Multiple inositol polyphosphate phosphatase 1	MINPP1	CTSD/PBS	MINPP1	not considered/background			0
3063	Q9UNZ2;Q9UNZ2-5;Q9UNZ2-4;Q9UNZ	NSFL1 cofactor p47	NSFL1C	CTSD/PBS	NSFL1C	not considered/background	0,160533009	-0,051024003	2
3064	Q9UPV7	Protein KIAA1045	KIAA1045	CTSD/PBS	KIAA1045	not considered/background	-0,033274231	0,016730914	2
3065	Q9UPY6;Q9UPY6-2;A0A590UJ74	Wiskott-Aldrich syndrome protein family member 3	WASF3	CTSD/PBS	WASF3	not considered/background		-0,025737561	1
3066	Q9UPY8;C9JB30	Microtubule-associated protein RP/EB family member 3	MAPRE3	CTSD/PBS	MAPRE3	not considered/background	-0,170053046	-0,226138561	2
3068	Q9UQ13;Q9UQ13-2;X6RI37	Leucine-rich repeat protein SHOC-2	SHOC2	CTSD/PBS	SHOC2	not considered/background			0
3069	Q9UQ16-2;Q9UQ16-3;Q9UQ16;Q9UQ:	Dynamin-3	DNM3	CTSD/PBS	DNM3	not considered/background	-0,324581486	-0,132642643	2
3070	Q9UQ49;Q9UQ49-2	Sialidase-3	NEU3	CTSD/PBS	NEU3	not considered/background			0
3071	Q9UQ80-2;Q9UQ80;F8VR77;H0YIN7;F	Proliferation-associated protein 2G4	PA2G4	CTSD/PBS	PA2G4	not considered/background	0,253747285	0,306180773	2
3072	Q9UQB3-2;Q9UQB3;E7EPC8;B4DRK2;E	Catenin delta-2	CTNND2	CTSD/PBS	CTNND2	not considered/background	-0,227067105	0,074577775	2
3073	Q9Y224;H0YJB9;G3V4C6	UPF0568 protein C14orf166	C14orf166	CTSD/PBS	C14orf166	not considered/background			0
3074	Q9Y230;Q9Y230-2;M0R0Y3;X6R2L4;M	RuvB-like 2	RUVBL2	CTSD/PBS	RUVBL2	not considered/background	0,438825113	0,073484341	2
3075	Q9Y263;E5RIM3;H0YBW4;H0YC16	Phospholipase A-2-activating protein	PLAA	CTSD/PBS	PLAA	not considered/background	-0,15690053		1
3076	Q9Y265;Q9Y265-2;E7ETR0;H7C4G5;J3	RuvB-like 1	RUVBL1	CTSD/PBS	RUVBL1	not considered/background	0,084472517	0,172652468	2
3077	Q9Y266;A0A0A0MSU9;A0A0A0MSS4	Nuclear migration protein nudC	NUDC	CTSD/PBS	NUDC	not considered/background	-0,250611618	0,04875539	2
3078	Q9Y276;C9J1S9;C9J8G3;H7C492;C9JA	Mitochondrial chaperone BCS1	BCS1L	CTSD/PBS	BCS1L	not considered/background	0,63282657	0,569500614	2
3079	Q9Y277-2;Q9Y277;E5RFP6;E5RJN6;E5I	Voltage-dependent anion-selective channel protein 3	VDAC3	CTSD/PBS	VDAC3	not considered/background	0,152248331	0,191936271	2
3080	Q9Y281;Q9Y281-3;F8WDN3	Cofilin-2	CFL2	CTSD/PBS	CFL2	not considered/background			0
3081	Q9Y285;Q9Y285-2;K7ER00;K7EPH2;K7	Phenylalanine--tRNA ligase alpha subunit	FARSA	CTSD/PBS	FARSA	not considered/background	0,566474224	0,118335381	2
3082	Q9Y287;A0A3B3IUC0;Q9Y287-2;A0A3I	Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, soluble fo	ITM2B	CTSD/PBS	ITM2B	not considered/background	0,313826296		1
3083	Q9Y289	Sodium-dependent multivitamin transporter	SLC5A6	CTSD/PBS	SLC5A6	not considered/background			0
3084	Q9Y2A7;Q9Y2A7-2	Nck-associated protein 1	NCKAP1	CTSD/PBS	NCKAP1	not considered/background	-0,227286641	-0,021906077	2
3085	Q9Y2C4;Q9Y2C4-3;Q9Y2C4-4;Q9Y2C4-	Nuclease EXOG, mitochondrial	EXOG	CTSD/PBS	EXOG	not considered/background		0,4522738	1
3086	Q9Y2H0-3;Q9Y2H0-1;Q9Y2H0;F8WF4S	Disks large-associated protein 4	DLGAP4	CTSD/PBS	DLGAP4	not considered/background	0,363675722	0,079660961	2
3087	Q9Y2H6-2;Q9Y2H6;G5E9X3;A0A087X1	Fibronectin type-III domain-containing protein 3A	FNDC3A	CTSD/PBS	FNDC3A	not considered/background	0,001874286	0,136759285	2
3088	Q9Y2I2-2;Q9Y2I2-1;Q9Y2I2-5;Q9Y2I2-4	Netrin-G1	NTNG1	CTSD/PBS	NTNG1	not considered/background	-0,062806289	-0,162338958	2
3090	Q9Y2J2-4	Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	EPB41L3	CTSD/PBS	EPB41L3	not considered/background	-0,058548085	0,071967056	2
3091	Q9Y2Q0-3;Q9Y2Q0-2;Q9Y2Q0;Q4G1C1	Phospholipid-transporting ATPase IA	ATP8A1	CTSD/PBS	ATP8A1	not considered/background	-0,174572547	0,080698059	2
3092	Q9Y2Q5;Q9Y2Q5-2;Q9Y2Q5-3	Regulator complex protein LAMTOR2	LAMTOR2	CTSD/PBS	LAMTOR2	not considered/background	-0,163736508	0,136410375	2
3093	Q9Y2R0;K7EPV0	Cytochrome c oxidase assembly factor 3 homolog, mitochondrial	COA3	CTSD/PBS	COA3	not considered/background	0,297250121	0,098412869	2
3094	Q9Y2T2	AP-3 complex subunit mu-1	AP3M1	CTSD/PBS	AP3M1	not considered/background	-0,2012278	-0,203389117	2
3095	Q9Y2V2;H3BTK3;I3L3X8;H3BSW7;H3B	Calcium-regulated heat stable protein 1	CARHSP1	CTSD/PBS	CARHSP1	not considered/background			0
3096	Q9Y2Z0;Q9Y2Z0-2	Suppressor of G2 allele of SKP1 homolog	SUGT1	CTSD/PBS	SUGT1	not considered/background	-0,032905189	-0,139076515	2
3097	Q9Y305;Q9Y305-2;Q9Y305-4;Q9Y305-	Acyl-coenzyme A thioesterase 9, mitochondrial	ACOT9	CTSD/PBS	ACOT9	not considered/background	0,449006639	0,27896864	2
3098	Q9Y320-2;Q9Y320	Thioredoxin-related transmembrane protein 2	TMX2	CTSD/PBS	TMX2	not considered/background		-0,360757558	1
3099	Q9Y328;E5RH56;E5RGE8;G3XAM5;E5R	Neuron-specific protein family member 2	NSG2;HMP19	CTSD/PBS	NSG2	not considered/background	0,127369147	0,426858185	2
3101	Q9Y376;A0A087X0K1	Calcium-binding protein 39	CAB39	CTSD/PBS	CAB39	not considered/background	-0,150288908	-0,095181789	2
3102	Q9Y385	Ubiquitin-conjugating enzyme E2 J1	UBE2J1	CTSD/PBS	UBE2J1	not considered/background			0
3103	Q9Y394-2;Q9Y394;H0YJE4;H0YJ66	Dehydrogenase/reductase SDR family member 7	DHRS7	CTSD/PBS	DHRS7	not considered/background		-0,171334947	1
3104	Q9Y3A6;B1AKT3;Q9Y3A6-2	Transmembrane emp24 domain-containing protein 5	TMED5	CTSD/PBS	TMED5	not considered/background			0
3105	Q9Y3B3;Q9Y3B3-2;A0A0A6YYA0;Q86X	Transmembrane emp24 domain-containing protein 7	TMED7;TMED7-TICAM2	CTSD/PBS	TMED7	not considered/background	-0,04352696	0,118006554	2
3106	Q9Y3B7-2;Q9Y3B7;Q9Y3B7-3;H0YCD5;	39S ribosomal protein L11, mitochondrial	MRPL11	CTSD/PBS	MRPL11	not considered/background	0,044184258		1
3108	Q9Y3C6	Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1	CTSD/PBS	PPIL1	not considered/background			0
3109	Q9Y3D2	Methionine-R-sulfoxide reductase B2, mitochondrial	MSRB2	CTSD/PBS	MSRB2	not considered/background			0
3110	Q9Y3D3;A6ND22;Q9Y3D3-2	28S ribosomal protein S16, mitochondrial	MRPS16	CTSD/PBS	MRPS16	not considered/background		0,2885932	1
3111	Q9Y3D6	Mitochondrial fission 1 protein	FIS1	CTSD/PBS	FIS1	not considered/background	0,092613393	0,023915031	2
3112	Q9Y3D9;I3QLR8	28S ribosomal protein S23, mitochondrial	MRPS23	CTSD/PBS	MRPS23	not considered/background	0,285816472	0,562942752	2
3113	Q9Y3E1;M0R0J3;H3BPM9;Q7Z4V5-2;C	Hepatoma-derived growth factor-related protein 3;Hepatoma-derived growth factor-related prot	HDGFRP3;HDGFRP2	CTSD/PBS	HDGFRP3	not considered/background			0
3114	Q9Y3F4-2;Q9Y3F4;H0YH33	Serine-threonine kinase receptor-associated protein	STRAP	CTSD/PBS	STRAP	not considered/background	0,003890027	-0,015782997	2
3115	Q9Y3I0	tRNA-splicing ligase RtcB homolog	RTCB	CTSD/PBS	RTCB	not considered/background	0,219214996	0,041268662	2
3116	Q9Y3P9;Q9Y3P9-2;Q9Y3P9-3;Q9Y3P9-	Rab GTPase-activating protein 1	RABGAP1	CTSD/PBS	RABGAP1	not considered/background	-0,20966167	-0,020199923	2
3117	Q9Y3Q3;G3V1J9;F5H4M7;Q9Y3Q3-2	Transmembrane emp24 domain-containing protein 3	TMED3	CTSD/PBS	TMED3	not considered/background	0,388244653	-0,219338923	2
3118	Q9Y3Q4;A0A669KB45;Q9UL51;O6074	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4	HCN4	CTSD/PBS	HCN4	not considered/background			0
3119	Q9Y490	Talin-1	TLN1	CTSD/PBS	TLN1	not considered/background	0,110897723		1
3121	Q9Y4D1-2;Q9Y4D1;Q9Y4D1-3;Q86T65	Disheveled-associated activator of morphogenesis 1	DAAM1	CTSD/PBS	DAAM1	not considered/background	-0,161378952	0,111352203	2
3122	Q9Y4G6;H0YMT1;A0A1B0GVU7;H0YN(	Talin-2	TLN2	CTSD/PBS	TLN2	not considered/background	-0,300945934	-0,024886999	2
3123	Q9Y4L1;A0A494C039;A0A087X054;E9	Hypoxia up-regulated protein 1	HYOU1	CTSD/PBS	HYOU1	not considered/background	0,103396924	0,19779851	2
3124	Q9Y4P1-2;C9JIK8;Q9Y4P1-6;Q9Y4P1;C	Cysteine protease ATG4B	ATG4B	CTSD/PBS	ATG4B	not considered/background			0
3126	Q9Y4W6;K7EP56	AFG3-like protein 2	AFG3L2	CTSD/PBS	AFG3L2	not considered/background	0,18599337	0,195698577	2
3127	Q9Y512	Sorting and assembly machinery component 50 homolog	SAMM50	CTSD/PBS	SAMM50	not considered/background	0,261109529	0,100716075	2
3129	Q9Y570;Q9Y570-4;Q9Y570-2;Q9Y570-	Protein phosphatase methylesterase 1	PPME1	CTSD/PBS	PPME1	not considered/background	-0,394960877		1
3130	Q9Y584	Mitochondrial import inner membrane translocase subunit Tim22	TIMM22	CTSD/PBS	TIMM22	not considered/background			0
3131	Q9Y5E7	Protocadherin beta-2	PCDHB2	CTSD/PBS	PCDHB2	not considered/background	0,111298453	0,160121012	2
3132	Q9Y5F7;Q9Y5F7-2;A0A087WU59	Protocadherin gamma-C4	PCDHGC4	CTSD/PBS	PCDHGC4	not considered/background	-0,02246362	0,326769237	2
3133	Q9Y5F9;Q9Y5F9-2;Q9Y5F8;Q9Y5G1;A0	Protocadherin gamma-B6	PCDHGB6	CTSD/PBS	PCDHGB6	not considered/background	0,106750315		1
3134	Q9Y5J7;G3V2F3;A0A1W2PRH9;A0A1V	Mitochondrial import inner membrane translocase subunit Tim9	TIMM9	CTSD/PBS	TIMM9	not considered/background	0,33845294		1
3135	Q9Y5L4;K7EIT2	Mitochondrial import inner membrane translocase subunit Tim13	TIMM13	CTSD/PBS	TIMM13	not considered/background	0,223793216	0,241952718	2
3136	Q9Y5M8;H7C4H2;C9J5Z8	Signal recognition particle receptor subunit beta	SRPRB	CTSD/PBS	SRPRB	not considered/background	0,195977459	0,006622721	2
3137	Q9Y5S2;H0YLY0;Q5VT25-3;Q5VT25-4;A	Serine/threonine-protein kinase MRCK beta	CDC42BPB	CTSD/PBS	CDC42BPB	not considered/background			0
3139	Q9Y5Z4;Q9Y5Z4-2;Q5THN1	Heme-binding protein 2	HEBP2	CTSD/PBS	HEBP2	not considered/background			0
3140	Q9Y617;Q9Y617-2	Phosphoserine aminotransferase	PSAT1	CTSD/PBS	PSAT1	not considered/background	-0,523379827	-0,510455622	2
3142	Q9Y639;Q9Y639-1;Q9UFM8;Q9Y639-4	Neuroplastin	NPTN;DKFZp566H1924	CTSD/PBS	NPTN	not considered/background	-0,008508085	0,014878509	2
3143	Q9Y673-2;Q9Y673	Dolichyl-phosphate beta-glucosyltransferase	ALG5	CTSD/PBS	ALG5	not considered/background	-0,089436174		1
3144	Q9Y676;A0A0G2JIC6	28S ribosomal protein S18b, mitochondrial	MRPS18B	CTSD/PBS	MRPS18B	not considered/background		-0,114766793	1
3145	Q9Y678;Q9UBF2-2;Q9UBF2	Coatomer subunit gamma-1	COPG1	CTSD/PBS	COPG1	not considered/background	-0,279283757		1
3146	Q9Y679-3;Q9Y679	Ancient ubiquitous protein 1	AUP1	CTSD/PBS	AUP1	not considered/background	-0,228215815		1
3147	Q9Y697-2;Q9Y697;Q9Y697-3;F2Z2E7;I	Cysteine desulfurase, mitochondrial	NFS1	CTSD/PBS	NFS1	not considered/background	0,626392409	0,126832518	2
3149	Q9Y6C9	Mitochondrial carrier homolog 2	MTCH2	CTSD/PBS	MTCH2	not considered/background	0,091801369	0,099819088	2
3150	Q9Y6G9;E9PHI6;C9JGM7;C9JLW1	Cytoplasmic dynein 1 light intermediate chain 1	DYNC1LI1	CTSD/PBS	DYNC1LI1	not considered/background	-0,124440092	0,072482754	2
3151	Q9Y6I3-3;Q9Y6I3;Q9Y6I3-1;D6R907;D	Epsin-1	EPN1	CTSD/PBS	EPN1	not considered/background	0,188527527	0,213821871	2
3152	Q9Y6I9;C9JXQ7;C9JHH5;A0A087WTU	Testis-expressed sequence 264 protein	TEX264	CTSD/PBS	TEX264	not considered/background			0
3153	Q9Y6K8-3;Q9Y6K8;Q9Y6K8-2;H0YEZ1;I	Adenylate kinase isoenzyme 5	AK5	CTSD/PBS	AK5	not considered/background			0
3154	Q9Y6M4-2;Q9Y6M4;Q9Y6M4-5;Q9Y6N	Casein kinase I isoform gamma-3;Casein kinase I isoform gamma-1;Casein kinase I isoform gamma-	CSNK1G3;hCG_2004507;CSNK1(	CTSD/PBS	CSNK1G3	not considered/background			0
3155	Q9Y6M7-7;Q9Y6M7-6;Q9Y6M7-8;Q9Y(	Sodium bicarbonate cotransporter 3;Anion exchange protein	SLC4A7	CTSD/PBS	SLC4A7	not considered/background	0,700972307	0,536042801	2
3156	Q9Y6Y8-2;Q9Y6Y8;A0A0C4DH82;H7C4	SEC23-interacting protein	SEC23IP	CTSD/PBS	SEC23IP	not considered/background			0
3209	S4R3N1;Q9Y3A3-2;Q9Y3A3-3;Q9Y3A3;		HSPE1-MOB4	CTSD/PBS	HSPE1-MOB4	not considered/background	0,455018097	0,95374644	2