	Gene Symbol	Fold change SW48-KI133-A1 /SW48-cells	Fold change SW48-KI133-A2 /SW48-	p-value SW48-KI133-A1 /SW48	p-value SW48-KI133-A2 /SW48	transcript_id	Description
1	ABHD16A	0.691	0.639	0.032	0.023	NM_001177515	abhydrolase domain containing 16A
2	ABHD17C	0.795	0.790	0.012	0.033	NM_021214	abhydrolase domain containing 17C
3	ACAD9	0.752	0.810	0.014	0.054	NM_014049	acyl-CoA dehydrogenase family member 9
4	ACADVL	0.795	0.831	0.045	0.063	NM_001270447	acyl-CoA dehydrogenase, very long chain
5	ACAT2	0.594	0.625	0.008	0.008	NM_005891	acetyl-CoA acetyltransferase 2
6	ACBD6	0.727	0.683	0.002	0.004	NM_032360	acyl-CoA binding domain containing 6
7	ACOT7	0.655	0.605	0.024	0.001	NM_007274	acyl-CoA thioesterase 7
8	ACTB	0.737	0.693	0.021	0.013	NM_001101	actin, beta
9	ADAM15	0.786	0.735	0.047	0.038	NM_001261465	ADAM metallopeptidase domain 15
10	ADPRHL2	0.724	0.771	0.017	0.081	NM_017825	ADP-ribosylhydrolase like 2
11	AGPAT2	0.648	0.582	0.006	0.007	NM_006412	1-acylglycerol-3-phosphate O-acyltransferase 2
12	AHSA1	0.776	0.789	0.014	0.010	NM_012111	activator of Hsp90 ATPase activity 1
13	AIF1L	0.637	0.634	0.001	0.006	NR_033701	allograft inflammatory factor 1 like
14	AIFM2	0.795	0.750	0.015	0.028	NM_032797	apoptosis inducing factor, mitochondria associated 2
15	AKIRIN2	0.473	0.441	0.008	0.014	NM_018064	akirin 2
16	ALAS1	0.758	0.827	0.009	0.124	NM_001304443	5'-aminolevulinate synthase 1
17	ALDH1B1	0.684	0.699	0.032	0.041	NM_000692	aldehyde dehydrogenase 1 family member B1
18	ALDH3A1	0.628	0.443	0.004	0.002	NM_000691	aldehyde dehydrogenase 3 family member A1
19	ALYREF	0.702	0.673	0.019	0.068	NM_005782	Aly/REF export factor
20	ANKRD39	0.787	0.710	0.000	0.006	NM_016466	ankyrin repeat domain 39
21	ANXA1	0.709	0.551	0.018	0.008	NM_000700	annexin A1
22	ANXA3	0.517	0.476	0.005	0.003	NM_005139	annexin A3
23	AP1S3	0.796	0.750	0.042	0.001	NM_001039569	adaptor related protein complex 1 sigma 3 subunit
24	AP2S1	0.725	0.613	0.011	0.024	NM_001301076	adaptor related protein complex 2 sigma 1 subunit

25	APEH	0.701	0.667	0.026	0.023	NM_001640	acylaminoacyl-peptide hydrolase
26	APOBEC3C	0.335	0.381	0.002	0.001	NM_014508	apolipoprotein B mRNA editing enzyme catalytic subunit 3C
27	APOC1	0.492	0.438	0.033	0.017	NM_001645	apolipoprotein C1
28	ARF5	0.726	0.711	0.018	0.012	NM_001662	ADP ribosylation factor 5
29	ARGLU1	0.737	0.787	0.027	0.061	NM_018011	arginine and glutamate rich 1
30	ARHGEF16	0.669	0.686	0.048	0.048	NM_014448	Rho guanine nucleotide exchange factor 16
31	ARL4C	0.318	0.380	0.001	0.002	NM_001282431	ADP ribosylation factor like GTPase 4C
32	ARPC1B	0.711	0.742	0.017	0.024	NM_005720	actin related protein 2/3 complex subunit 1B
33	ARPC4	0.676	0.668	0.015	0.015	NM_001024960	actin related protein 2/3 complex subunit 4
34	ARPC5	0.782	0.759	0.046	0.087	NM_005717	actin related protein 2/3 complex subunit 5
35	ARPC5L	0.609	0.637	0.021	0.027	NM_030978	actin related protein 2/3 complex subunit 5-like
36	ARRDC1	0.767	0.754	0.001	0.005	NM_152285	arrestin domain containing 1
37	ASS1	0.355	0.374	0.013	0.011	NM_054012	argininosuccinate synthase 1
38	ATAD3B	0.679	0.763	0.038	0.077	NM_031921	ATPase family, AAA domain containing 3B
39	ATL2	0.731	0.627	0.029	0.014	NM_001308076	atlastin GTPase 2
40	ATP5E	0.743	0.607	0.020	0.079	NM_006886	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
41	ATP5G3	0.738	0.684	0.009	0.011	NM_001689	ATP synthase, H+ transporting, mitochondrial Fo complex subunit C3 (subunit 9)
42	ATP5I	0.764	0.588	0.049	0.070	NM_007100	ATP synthase, H+ transporting, mitochondrial Fo complex subunit E
43	ATP5J2	0.715	0.647	0.038	0.071	NM_001003713	ATP synthase, H+ transporting, mitochondrial Fo complex subunit F2
44	ATP6V0B	0.721	0.676	0.047	0.016	NM_001294333	ATPase H+ transporting V0 subunit b
45	B4GALT3	0.738	0.678	0.001	0.000	NM_003779	beta-1,4-galactosyltransferase 3
46	BAX	0.586	0.500	0.049	0.015	NM_004324	BCL2-associated X protein
47	BCAR1	0.623	0.640	0.020	0.027	NM_001170717	BCAR1, Cas family scaffolding protein
48	BCCIP	0.748	0.790	0.038	0.055	NM_078469	BRCA2 and CDKN1A interacting protein
49	BCL2L12	0.714	0.771	0.004	0.033	NR_104203	BCL2 like 12
50	BDH1	0.693	0.743	0.014	0.012	NM_004051	3-hydroxybutyrate dehydrogenase, type 1
51	BID	0.779	0.694	0.012	0.018	NM_001244567	BH3 interacting domain death agonist
52	BIRC5	0.709	0.662	0.007	0.018	NM_001168	baculoviral IAP repeat containing 5
53	BRD7	0.763	0.779	0.008	0.018	NM_001173984	bromodomain containing 7

54	BTBD6	0.792	0.818	0.034	0.039	NM_033271	BTB domain containing 6
55	BTG3	0.771	0.757	0.023	0.078	NM_006806	BTG family member 3
56	BUD13	0.767	0.971	0.005	0.596	NM_032725	BUD13 homolog
57	BYSL	0.786	0.744	0.014	0.010	NM_004053	bystin like
58	BZW1	0.799	0.839	0.044	0.062	NM_001207067	basic leucine zipper and W2 domains 1
59	C11orf24	0.629	0.606	0.015	0.018	NM_001300913	chromosome 11 open reading frame 24
60	C11orf98	0.702	0.595	0.038	0.025	NM_001286086	chromosome 11 open reading frame 98
61	C12orf45	0.777	0.666	0.021	0.002	NM_152318	chromosome 12 open reading frame 45
62	C14orf2	0.784	0.714	0.036	0.060	NM_004894	chromosome 14 open reading frame 2
63	C17orf96	0.714	0.737	0.017	0.028	NM_001130677	chromosome 17 open reading frame 96
64	C19orf53	0.673	0.610	0.009	0.019	NM_014047	chromosome 19 open reading frame 53
65	C1QBP	0.785	0.717	0.025	0.000	NM_001212	complement component 1, q subcomponent binding protein
66	C1QL1	0.638	0.603	0.023	0.020	NM_006688	complement component 1, q subcomponent-like 1
67	C20orf27	0.747	0.690	0.017	0.001	NM_001039140	chromosome 20 open reading frame 27
68	C2orf47	0.786	0.843	0.005	0.008	NM_024520	chromosome 2 open reading frame 47
69	C6orf15	0.398	0.363	0.020	0.019	NM_014070_1	chromosome 6 open reading frame 15
70	C7orf26	0.779	0.910	0.031	0.106	NM_024067	chromosome 7 open reading frame 26
71	C7orf73	0.742	0.845	0.020	0.344	NM_001130929	chromosome 7 open reading frame 73
72	C9orf89	0.761	0.718	0.006	0.016	NM_032310	.
73	CALM1	0.785	0.729	0.034	0.011	NM_006888	calmodulin 1 (phosphorylase kinase, delta)
74	CAMK1	0.733	0.765	0.042	0.060	NM_003656	calcium/calmodulin dependent protein kinase I
75	CAMK2N1	0.520	0.558	0.015	0.009	NM_018584	calcium/calmodulin dependent protein kinase II inhibitor 1
76	CAPG	0.781	0.730	0.002	0.003	NM_001256140	capping actin protein, gelsolin like
77	CARS2	0.790	0.705	0.030	0.002	NM_024537	cysteinyl-tRNA synthetase 2, mitochondrial (putative)
78	CBR1	0.686	0.610	0.008	0.016	NM_001757	carbonyl reductase 1
79	CBR3	0.532	0.582	0.005	0.006	NM_001236	carbonyl reductase 3
80	CCDC58	0.687	0.692	0.036	0.012	NM_001017928	coiled-coil domain containing 58
81	CCDC86	0.705	0.625	0.032	0.009	NM_024098	coiled-coil domain containing 86
82	CCDC94	0.761	0.854	0.010	0.068	NM_018074	coiled-coil domain containing 94

83	CCNB1	0.747	0.706	0.031	0.028	NM_031966	cyclin B1
84	CCND2	0.535	0.591	0.003	0.005	NM_001759	cyclin D2
85	CCT2	0.779	0.764	0.021	0.005	NM_006431	chaperonin containing TCP1 subunit 2
86	CD24	0.489	0.597	0.004	0.011	NR_117089	CD24 molecule
87	CD44	0.625	0.643	0.002	0.001	NM_001001390	CD44 molecule (Indian blood group)
88	CD82	0.384	0.519	0.002	0.012	NM_002231	CD82 molecule
89	CD83	0.669	0.653	0.003	0.050	NM_001251901	CD83 molecule
90	CDC42SE1	0.797	0.832	0.013	0.158	NM_001038707	CDC42 small effector 1
91	CDC45	0.713	0.687	0.038	0.022	NM_003504	cell division cycle 45
92	CDCA7	0.590	0.584	0.002	0.024	NM_031942	cell division cycle associated 7
93	CDCP1	0.622	0.671	0.006	0.011	NM_022842	CUB domain containing protein 1
94	CDH3	0.775	0.879	0.045	0.136	NM_001793	cadherin 3
95	CDK2AP1	0.726	0.758	0.011	0.067	NR_073007	cyclin-dependent kinase 2 associated protein 1
96	CDKN1A	0.470	0.427	0.004	0.004	NM_001220777	cyclin-dependent kinase inhibitor 1A
97	CDKN3	0.645	0.597	0.042	0.027	NM_001130851	cyclin-dependent kinase inhibitor 3
98	CDV3	0.800	0.799	0.023	0.035	NM_001282762	CDV3 homolog
99	CEBPB	0.712	0.613	0.010	0.001	NM_005194	CCAAT/enhancer binding protein beta
100	CEBPD	0.503	0.478	0.001	0.004	NM_005195	CCAAT/enhancer binding protein delta
101	CENPA	0.696	0.719	0.021	0.029	NM_001809	centromere protein A
102	CENPV	0.560	0.550	0.027	0.028	NM_181716	centromere protein V
103	CENPW	0.695	0.639	0.015	0.078	NR_104462	centromere protein W
104	CHCHD1	0.693	0.661	0.001	0.048	NM_203298	coiled-coil-helix-coiled-coil-helix domain containing 1
105	CHCHD2	0.725	0.629	0.007	0.021	NM_016139	coiled-coil-helix-coiled-coil-helix domain containing 2
106	CHCHD7	0.767	0.732	0.002	0.159	NM_001011668	coiled-coil-helix-coiled-coil-helix domain containing 7
107	CINP	0.764	0.607	0.022	0.009	NM_032630	cyclin-dependent kinase 2 interacting protein
108	CKS2	0.716	0.679	0.039	0.044	NM_001827	CDC28 protein kinase regulatory subunit 2
109	CLCF1	0.431	0.417	0.000	0.002	NM_013246	cardiotrophin-like cytokine factor 1
110	CLDN4	0.654	0.501	0.032	0.016	NM_001305	claudin 4
111	CLPP	0.756	0.716	0.007	0.006	NM_006012	caseinolytic mitochondrial matrix peptidase proteolytic subunit

112	CLU	0.535	0.603	0.009	0.009	NR_045494	clusterin
113	CMC2	0.609	0.640	0.024	0.069	NM_020188	C-x9-C motif containing 2
114	CMTM7	0.795	0.683	0.036	0.041	NM_181472	CKLF like MARVEL transmembrane domain containing 7
115	CNBP	0.793	0.815	0.033	0.088	NM_001127195	CCHC-type zinc finger nucleic acid binding protein
116	COA4	0.723	0.551	0.042	0.017	NM_016565	cytochrome c oxidase assembly factor 4 homolog
117	COA6	0.680	0.656	0.034	0.113	NM_001206641	cytochrome c oxidase assembly factor 6
118	COL17A1	0.509	0.447	0.015	0.013	NM_000494	collagen type XVII alpha 1
119	COLGALT1	0.798	0.788	0.048	0.035	NM_024656	collagen beta(1-O)galactosyltransferase 1
120	COMMD4	0.703	0.636	0.036	0.007	NM_017828	COMM domain containing 4
121	COMMD5	0.791	0.725	0.047	0.077	NM_001081003	COMM domain containing 5
122	COPRS	0.723	0.641	0.032	0.037	NM_018405	coordinator of PRMT5 and differentiation stimulator
123	COPS7B	0.765	0.818	0.024	0.017	NM_001282951	COP9 signalosome subunit 7B
124	COQ2	0.721	0.697	0.000	0.011	NM_015697	coenzyme Q2, polyprenyltransferase
125	COTL1	0.614	0.606	0.007	0.008	NM_021149	coactosin like F-actin binding protein 1
126	CRABP2	0.084	0.106	0.000	0.000	NM_001878	cellular retinoic acid binding protein 2
127	CRELD2	0.737	0.694	0.022	0.015	NM_001284318	cysteine rich with EGF like domains 2
128	CRIP2	0.597	0.705	0.001	0.006	NR_073082	cysteine rich protein 2
129	CRISPLD2	0.565	0.569	0.004	0.001	NM_031476	cysteine rich secretory protein LCCL domain containing 2
130	CSTB	0.737	0.701	0.005	0.060	NM_000100	cystatin B
131	CSTF1	0.753	0.848	0.005	0.049	NM_001033521	cleavage stimulation factor subunit 1
132	CTSC	0.799	0.719	0.004	0.006	NM_001814	cathepsin C
133	CTSD	0.698	0.664	0.034	0.060	NM_001909	cathepsin D
134	CWC15	0.740	0.736	0.019	0.032	NM_016403	CWC15 spliceosome-associated protein
135	CXADR	0.643	0.667	0.010	0.000	NM_001207063	coxsackie virus and adenovirus receptor
136	CXCL16	0.733	0.733	0.043	0.031	NM_022059	C-X-C motif chemokine ligand 16
137	CXXC5	0.350	0.384	0.001	0.001	NM_016463	CXXC finger protein 5
138	CYCS	0.755	0.717	0.032	0.033	NM_018947	cytochrome c, somatic
139	DANCR	0.474	0.473	0.003	0.002	NR_024031	differentiation antagonizing non-protein coding RNA
140	DAZAP1	0.751	0.768	0.020	0.044	NM_170711	DAZ associated protein 1

141	DBI	0.629	0.663	0.007	0.074	NM_001282634	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)
142	DCBLD2	0.660	0.702	0.006	0.006	NM_080927	discoidin, CUB and LCCL domain containing 2
143	DCPS	0.780	0.752	0.043	0.069	NM_014026	decapping enzyme, scavenger
144	DCTPP1	0.714	0.635	0.015	0.001	NM_024096	dCTP pyrophosphatase 1
145	DCXR	0.670	0.679	0.016	0.035	NM_001195218	dicarbonyl/L-xylulose reductase
146	DDAH2	0.653	0.707	0.042	0.089	NM_001303008_	dimethylarginine dimethylaminohydrolase 2
147	DDB2	0.785	0.912	0.026	0.162	NM_001300734	damage specific DNA binding protein 2
148	DDR1	0.702	0.712	0.021	0.030	NM_001297652_	discoidin domain receptor tyrosine kinase 1
149	DGAT1	0.791	0.759	0.050	0.040	NM_012079	diacylglycerol O-acyltransferase 1
150	DGKA	0.402	0.405	0.001	0.001	NM_001345	diacylglycerol kinase alpha
151	DHCR24	0.673	0.798	0.011	0.029	NM_014762	24-dehydrocholesterol reductase
152	DHCR7	0.674	0.646	0.006	0.007	NM_001163817	7-dehydrocholesterol reductase
153	DHRS2	0.262	0.261	0.001	0.001	NM_005794	dehydrogenase/reductase (SDR family) member 2
154	DMKN	0.728	0.747	0.032	0.023	NR_033746	dermokine
155	DNAJB11	0.718	0.795	0.018	0.014	NM_016306	DnaJ heat shock protein family (Hsp40) member B11
156	DOHH	0.776	0.812	0.050	0.025	NM_031304	deoxyhypusine hydroxylase/monooxygenase
157	DPH2	0.766	0.884	0.032	0.071	NM_001384	DPH2 homolog
158	DRAP1	0.631	0.535	0.021	0.013	NM_006442	DR1 associated protein 1
159	DSC2	0.406	0.348	0.002	0.002	NM_024422	desmocollin 2
160	DSP	0.696	0.708	0.001	0.062	NM_001008844	desmoplakin
161	DTYMK	0.625	0.599	0.009	0.006	NM_001165031	deoxythymidylate kinase
162	DUS1L	0.796	0.784	0.024	0.001	NM_022156	dihydrouridine synthase 1 like
163	DUSP14	0.728	0.763	0.019	0.008	NM_007026	dual specificity phosphatase 14
164	DUSP7	0.751	0.740	0.040	0.037	NM_001947	dual specificity phosphatase 7
165	DUT	0.784	0.655	0.032	0.031	NM_001025249	deoxyuridine triphosphatase
166	EBNA1BP2	0.747	0.614	0.039	0.018	NM_001159936	EBNA1 binding protein 2
167	EBP	0.698	0.681	0.030	0.024	NM_006579	emopamil binding protein (sterol isomerase)
168	ECE2	0.729	0.656	0.004	0.150	NM_014693	endothelin converting enzyme 2
169	ECHS1	0.772	0.711	0.015	0.001	NM_004092	enoyl-CoA hydratase, short chain, 1, mitochondrial

170	EEF1E1	0.796	0.825	0.020	0.232	NM_001135650	eukaryotic translation elongation factor 1 epsilon 1
171	EFHD2	0.774	0.764	0.016	0.002	NM_024329	EF-hand domain family member D2
172	EFNA3	0.327	0.310	0.001	0.001	NM_004952	ephrin A3
173	EFNA4	0.723	0.710	0.021	0.019	NM_182689	ephrin A4
174	EFNB2	0.772	0.743	0.011	0.005	NM_004093	ephrin B2
175	EGR1	0.693	0.780	0.019	0.037	NM_001964	early growth response 1
176	EGR3	0.428	0.500	0.012	0.015	NM_004430	early growth response 3
177	EHD2	0.525	0.574	0.001	0.003	NM_014601	EH domain containing 2
178	EHF	0.589	0.551	0.007	0.002	NM_001206615	ETS homologous factor
179	EI24	0.743	0.737	0.001	0.003	NM_001290135	EI24, autophagy associated transmembrane protein
180	EIF2B3	0.771	0.734	0.039	0.002	NM_020365	eukaryotic translation initiation factor 2B subunit gamma
181	EIF3A	0.725	0.765	0.009	0.004	NM_003750	eukaryotic translation initiation factor 3 subunit A
182	EIF4A1	0.788	0.750	0.029	0.004	NM_001416	eukaryotic translation initiation factor 4A1
183	EIF4EBP1	0.762	0.643	0.039	0.034	NM_004095	eukaryotic translation initiation factor 4E binding protein 1
184	EIF5A	0.788	0.697	0.001	0.001	NM_001143760	eukaryotic translation initiation factor 5A
185	ELAC2	0.792	0.865	0.029	0.022	NM_173717	elaC ribonuclease Z 2
186	ELOVL1	0.780	0.744	0.045	0.008	NR_046117	ELOVL fatty acid elongase 1
187	EMC3	0.722	0.725	0.015	0.025	NM_018447	ER membrane protein complex subunit 3
188	EMC6	0.631	0.611	0.032	0.024	NM_031298	ER membrane protein complex subunit 6
189	EMC9	0.698	0.591	0.028	0.016	NM_016049	ER membrane protein complex subunit 9
190	EMG1	0.753	0.752	0.003	0.006	NM_006331	EMG1 N1-specific pseudouridine methyltransferase
191	EMP2	0.718	0.760	0.046	0.014	NM_001424	epithelial membrane protein 2
192	ENDOD1	0.728	0.665	0.005	0.002	NM_015036	endonuclease domain containing 1
193	ENO1	0.791	0.761	0.024	0.048	NM_001201483	enolase 1
194	ENTPD2	0.592	0.713	0.020	0.044	NM_203468	ectonucleoside triphosphate diphosphohydrolase 2
195	EPHA1	0.649	0.686	0.027	0.018	NM_005232	EPH receptor A1
196	EPS8L1	0.257	0.248	0.011	0.011	NM_133180	EPS8 like 1
197	ERBB3	0.756	0.789	0.003	0.007	NM_001982	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3
198	ERF	0.744	0.757	0.014	0.022	NM_001308402	ETS2 repressor factor

199	ETS2	0.576	0.545	0.003	0.002	NM_001256295	ETS proto-oncogene 2, transcription factor
200	EVA1C	0.792	0.835	0.039	0.063	NM_001286556	eva-1 homolog C (C. elegans)
201	EXOSC2	0.782	0.808	0.010	0.004	NR_104230	exosome component 2
202	EXOSC4	0.674	0.601	0.021	0.015	NM_019037	exosome component 4
203	EXOSC7	0.748	0.739	0.013	0.165	NM_015004	exosome component 7
204	EXOSC9	0.778	0.753	0.000	0.002	NM_005033	exosome component 9
205	FABP5	0.708	0.641	0.046	0.057	NM_001444	fatty acid binding protein 5
206	FAM136A	0.731	0.649	0.015	0.012	NM_032822	family with sequence similarity 136 member A
207	FAM162A	0.716	0.670	0.017	0.000	NM_014367	family with sequence similarity 162 member A
208	FAM173A	0.751	0.566	0.011	0.046	NM_023933	family with sequence similarity 173 member A
209	FAM204A	0.760	0.762	0.009	0.109	NM_001134672	family with sequence similarity 204 member A
210	FAM207A	0.737	0.662	0.028	0.016	NM_058190	family with sequence similarity 207 member A
211	FAM32A	0.786	0.795	0.036	0.064	NM_014077	family with sequence similarity 32 member A
212	FAM64A	0.569	0.545	0.023	0.044	NM_019013	family with sequence similarity 64 member A
213	FAM83D	0.797	0.787	0.035	0.072	NM_030919	family with sequence similarity 83 member D
214	FAM89A	0.709	0.742	0.041	0.091	NM_198552	family with sequence similarity 89 member A
215	FANCA	0.774	0.800	0.031	0.074	NM_000135	Fanconi anemia complementation group A
216	FBXL6	0.588	0.583	0.003	0.004	NM_012162	F-box and leucine-rich repeat protein 6
217	FBXO5	0.726	0.821	0.010	0.134	NM_012177	F-box protein 5
218	FDFT1	0.689	0.777	0.013	0.027	NM_001287744	farnesyl-diphosphate farnesyltransferase 1
219	FDPS	0.720	0.704	0.025	0.013	NM_001135822	farnesyl diphosphate synthase
220	FDXR	0.673	0.592	0.048	0.022	NM_001258016	ferredoxin reductase
221	FEM1A	0.788	0.767	0.039	0.031	NM_018708	fem-1 homolog A
222	FEN1	0.775	0.736	0.008	0.010	NM_004111	flap structure-specific endonuclease 1
223	FERMT1	0.730	0.677	0.022	0.007	NM_017671	fermitin family member 1
224	FHL2	0.620	0.492	0.003	0.001	NM_201555	four and a half LIM domains 2
225	FKBP4	0.794	0.724	0.010	0.001	NM_002014	FK506 binding protein 4
226	FKBPL	0.711	0.688	0.002	0.039	NM_022110_1	FK506 binding protein like
227	FOSL1	0.437	0.405	0.006	0.008	NM_001300844	FOS like 1, AP-1 trancription factor subunit

228	FOXD1	0.757	0.744	0.036	0.031	NM_004472	forkhead box D1
229	FOXQ1	0.086	0.090	0.001	0.001	NM_033260	forkhead box Q1
230	FOXRED1	0.787	0.772	0.048	0.053	NR_037647	FAD-dependent oxidoreductase domain containing 1
231	FRMD8	0.698	0.716	0.029	0.044	NM_001300832	FERM domain containing 8
232	FSCN1	0.423	0.480	0.003	0.004	NM_003088	fascin actin-bundling protein 1
233	FTH1	0.595	0.562	0.003	0.002	NM_002032	ferritin, heavy polypeptide 1
234	FUS	0.710	0.774	0.014	0.045	NR_028388	FUS RNA binding protein
235	FYN	0.568	0.625	0.004	0.000	NM_153047	FYN proto-oncogene, Src family tyrosine kinase
236	GAD1	0.365	0.343	0.015	0.012	NM_000817	glutamate decarboxylase 1
237	GALK1	0.716	0.666	0.005	0.008	NM_000154	galactokinase 1
238	GCSH	0.711	0.675	0.011	0.024	NR_033249	glycine cleavage system protein H
239	GDF15	0.334	0.282	0.006	0.001	NM_004864	growth differentiation factor 15
240	GGCT	0.726	0.666	0.007	0.036	NR_037669	gamma-glutamylcyclotransferase
241	GID8	0.738	0.770	0.019	0.092	NM_017896	GID complex subunit 8 homolog
242	GINS2	0.683	0.636	0.008	0.007	NM_016095	GINS complex subunit 2
243	GJB2	0.606	0.648	0.018	0.046	NM_004004	gap junction protein beta 2
244	GJB3	0.379	0.365	0.001	0.001	NM_024009	gap junction protein beta 3
245	GLCE	0.486	0.463	0.005	0.002	NM_015554	glucuronic acid epimerase
246	GLRX5	0.781	0.718	0.026	0.028	NM_016417	glutaredoxin 5
247	GLS2	0.661	0.698	0.020	0.016	NM_001280798	glutaminase 2
248	GMNN	0.718	0.687	0.013	0.050	NM_001251990	geminin, DNA replication inhibitor
249	GNG5	0.739	0.616	0.004	0.001	NM_005274	G protein subunit gamma 5
250	GNL2	0.777	0.713	0.005	0.006	NM_013285	G protein nucleolar 2
251	GNL3	0.767	0.834	0.008	0.030	NM_206826	G protein nucleolar 3
252	GPATCH4	0.792	0.799	0.007	0.038	NM_182679	G-patch domain containing 4
253	GPC1	0.506	0.502	0.023	0.024	NM_002081	glypican 1
254	GPX1	0.639	0.577	0.008	0.001	NM_000581	glutathione peroxidase 1
255	GRHL3	0.794	0.742	0.019	0.026	NM_198173	grainyhead like transcription factor 3
256	GRPEL1	0.749	0.681	0.036	0.021	NM_025196	GrpE like 1, mitochondrial

257	GTF2H4	0.681	0.686	0.009	0.027	NM_001517	general transcription factor IIH subunit 4
258	GYLTL1B	0.647	0.685	0.032	0.045	NM_152312	glycosyltransferase-like 1B
259	H1FX	0.696	0.667	0.003	0.003	NM_006026	H1 histone family member X
260	H2AFX	0.473	0.470	0.000	0.000	NM_002105	H2A histone family member X
261	H2AFZ	0.776	0.654	0.008	0.032	NM_002106	H2A histone family member Z
262	H3F3B	0.647	0.587	0.000	0.007	NM_005324	H3 histone, family 3B (H3.3B)
263	HABP4	0.789	0.767	0.004	0.003	NM_014282	hyaluronan binding protein 4
264	HDDC2	0.760	0.838	0.031	0.011	NM_016063	HD domain containing 2
265	HES4	0.726	0.685	0.037	0.017	NM_021170	hes family bHLH transcription factor 4
266	HES6	0.577	0.562	0.009	0.014	NM_001282434	hes family bHLH transcription factor 6
267	HEXIM1	0.645	0.703	0.003	0.049	NM_006460	hexamethylene bis-acetamide inducible 1
268	HIGD1A	0.767	0.693	0.003	0.015	NM_001099669	HIG1 hypoxia inducible domain family member 1A
269	HK2	0.693	0.687	0.006	0.011	NM_000189	hexokinase 2
270	HMG20B	0.759	0.756	0.021	0.004	NM_006339	high mobility group 20B
271	HMGB1	0.759	0.745	0.027	0.036	NM_002128	high mobility group box 1
272	HMGCS1	0.561	0.654	0.040	0.030	NM_002130	3-hydroxy-3-methylglutaryl-CoA synthase 1
273	HMGN1	0.757	0.709	0.017	0.077	NM_004965	high mobility group nucleosome binding domain 1
274	HMGN3	0.617	0.626	0.006	0.065	NM_138730	high mobility group nucleosomal binding domain 3
275	HN1	0.752	0.706	0.026	0.014	NM_001002032	hematological and neurological expressed 1
276	HNF4A	0.623	0.688	0.032	0.032	NM_001287183	hepatocyte nuclear factor 4 alpha
277	HNRNPDL	0.663	0.716	0.015	0.009	NR_003249	heterogeneous nuclear ribonucleoprotein D like
278	HOMER3	0.731	0.651	0.033	0.002	NM_001145721	homer scaffolding protein 3
279	HPGD	0.799	0.692	0.033	0.044	NM_000860	hydroxyprostaglandin dehydrogenase 15-(NAD)
280	HPS6	0.784	0.744	0.016	0.019	NM_024747	HPS6, biogenesis of lysosomal organelles complex 2 subunit 3
281	HR	0.312	0.345	0.037	0.041	NM_005144	hair growth associated
282	HSD11B2	0.555	0.682	0.010	0.006	NM_000196	hydroxysteroid (11-beta) dehydrogenase 2
283	HSD3B7	0.677	0.652	0.002	0.008	NM_025193	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7
284	HSPB1	0.700	0.640	0.010	0.015	NM_001540	heat shock protein family B (small) member 1
285	HSPE1	0.755	0.676	0.020	0.095	NM_002157	heat shock protein family E (Hsp10) member 1

286	HSPH1	0.745	0.799	0.007	0.012	NM_001286504	heat shock protein family H (Hsp110) member 1
287	HYAL2	0.644	0.697	0.000	0.000	NM_033158	hyaluronoglucosaminidase 2
288	HYPK	0.727	0.572	0.012	0.031	NM_001199885	huntingtin interacting protein K
289	ICT1	0.695	0.553	0.031	0.003	NM_001303265	immature colon carcinoma transcript 1
290	IDH2	0.745	0.730	0.037	0.014	NM_002168	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial
291	IDI1	0.697	0.738	0.036	0.073	NM_004508	isopentenyl-diphosphate delta isomerase 1
292	IDS	0.800	0.818	0.004	0.014	NM_000202	iduronate 2-sulfatase
293	IER2	0.731	0.760	0.016	0.066	NM_004907	immediate early response 2
294	IER3	0.768	0.678	0.004	0.002	NM_003897_4	immediate early response 3
295	IER5	0.503	0.514	0.003	0.008	NM_016545	immediate early response 5
296	IER5L	0.347	0.355	0.005	0.005	NM_203434	immediate early response 5-like
297	IFITM3	0.728	0.696	0.005	0.009	NR_049759	interferon induced transmembrane protein 3
298	IGFBP2	0.671	0.663	0.042	0.054	NM_000597	insulin like growth factor binding protein 2
299	IGFBP4	0.449	0.396	0.007	0.008	NM_001552	insulin like growth factor binding protein 4
300	IGFL2	0.044	0.051	0.002	0.002	NM_001002915	IGF like family member 2
301	IL27RA	0.714	0.660	0.049	0.038	NM_004843	interleukin 27 receptor subunit alpha
302	IMP3	0.771	0.707	0.015	0.011	NM_018285	IMP3, U3 small nucleolar ribonucleoprotein
303	IMP4	0.768	0.701	0.040	0.034	NM_033416	IMP4 homolog, U3 small nucleolar ribonucleoprotein
304	IMPA2	0.752	0.724	0.013	0.012	NM_014214	inositol monophosphatase 2
305	INSIG1	0.513	0.580	0.017	0.009	NM_005542	insulin induced gene 1
306	IRF2BP2	0.769	0.749	0.000	0.005	NM_182972	interferon regulatory factor 2 binding protein 2
307	ISOC2	0.789	0.650	0.039	0.004	NM_024710	isochorismatase domain containing 2
308	ISYNA1	0.441	0.456	0.013	0.014	NM_001170938	inositol-3-phosphate synthase 1
309	ITGA6	0.606	0.577	0.013	0.007	NM_000210	integrin subunit alpha 6
310	ITPKA	0.526	0.574	0.033	0.009	NM_002220	inositol-trisphosphate 3-kinase A
311	JTB	0.757	0.656	0.009	0.027	NM_006694	jumping translocation breakpoint
312	KCNE3	0.645	0.696	0.011	0.006	NM_005472	potassium voltage-gated channel subfamily E regulatory subunit 3
313	KCTD15	0.725	0.766	0.011	0.063	NM_001129995	potassium channel tetramerization domain containing 15
314	KIAA0101	0.800	0.664	0.011	0.045	NR_109934	KIAA0101

315	KIAA0930	0.738	0.750	0.036	0.034	NM_015264	KIAA0930
316	KIF20A	0.781	0.864	0.031	0.110	NM_005733	kinesin family member 20A
317	KITLG	0.650	0.752	0.018	0.034	NM_003994	KIT ligand
318	KLF13	0.759	0.780	0.008	0.007	NM_015995	Kruppel-like factor 13
319	KLF5	0.604	0.529	0.002	0.005	NM_001286818	Kruppel-like factor 5 (intestinal)
320	KLK10	0.572	0.531	0.001	0.001	NM_001077500	kallikrein related peptidase 10
321	KLK11	0.113	0.236	0.002	0.004	NM_144947	kallikrein related peptidase 11
322	KLK6	0.126	0.112	0.000	0.000	NM_001012965	kallikrein related peptidase 6
323	KLK7	0.607	0.587	0.002	0.010	NM_001243126	kallikrein related peptidase 7
324	KRT18	0.566	0.423	0.015	0.011	NM_199187	keratin 18
325	KRT19	0.041	0.040	0.000	0.000	NM_002276	keratin 19
326	KRT8	0.534	0.428	0.002	0.002	NM_001256293	keratin 8
327	LAD1	0.623	0.614	0.007	0.023	NM_005558	ladinin 1
328	LAMB3	0.498	0.483	0.005	0.013	NM_001017402	laminin subunit beta 3
329	LAMC2	0.472	0.421	0.006	0.003	NM_018891	laminin subunit gamma 2
330	LAMTOR4	0.720	0.621	0.029	0.024	NM_001008395	late endosomal/lysosomal adaptor, MAPK and MTOR activator 4
331	LANCL1	0.782	0.789	0.008	0.005	NM_006055	LanC like 1
332	LCN2	0.041	0.039	0.012	0.012	NM_005564	lipocalin 2
333	LDLR	0.666	0.731	0.004	0.023	NM_001195803	low density lipoprotein receptor
334	LFNG	0.378	0.448	0.010	0.010	NM_001166355	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
335	LIME1	0.521	0.530	0.004	0.016	NM_001305654	Lck interacting transmembrane adaptor 1
336	LLGL2	0.730	0.659	0.029	0.003	NM_004524	LLGL2, scribble cell polarity complex component
337	LMNA	0.741	0.620	0.018	0.015	NM_001282625	lamin A/C
338	LRFN4	0.647	0.669	0.017	0.020	NM_024036	leucine rich repeat and fibronectin type III domain containing 4
339	LRP8	0.725	0.769	0.007	0.010	NM_001018054	LDL receptor related protein 8
340	LRRC45	0.656	0.629	0.016	0.014	NM_144999	leucine rich repeat containing 45
341	LSM1	0.751	0.807	0.013	0.012	NR_045492	LSM1 homolog, mRNA degradation associated
342	LSM10	0.695	0.665	0.038	0.094	NM_032881	LSM10, U7 small nuclear RNA associated
343	LSM2	0.781	0.676	0.028	0.004	NM_021177	LSM2 homolog, U6 small nuclear RNA and mRNA degradation associated

344	LSS	0.704	0.692	0.020	0.021	NM_001001438	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)
345	LTBP3	0.636	0.666	0.018	0.003	NM_001130144	latent transforming growth factor beta binding protein 3
346	LY6E	0.688	0.615	0.015	0.014	NM_002346	lymphocyte antigen 6 complex, locus E
347	LYAR	0.620	0.654	0.004	0.016	NM_017816	Ly1 antibody reactive
348	LYRM1	0.371	0.288	0.000	0.001	NM_020424	LYR motif containing 1
349	MAD2L1	0.790	0.689	0.010	0.026	NM_002358	MAD2 mitotic arrest deficient-like 1 (yeast)
350	MAGEF1	0.769	0.758	0.032	0.040	NM_022149	MAGE family member F1
351	MAN1A1	0.687	0.599	0.005	0.001	NM_005907	mannosidase alpha class 1A member 1
352	MAOB	0.237	0.163	0.005	0.002	NM_000898	monoamine oxidase B
353	MAPRE3	0.637	0.582	0.007	0.013	NM_012326	microtubule associated protein RP/EB family member 3
354	MARCKSL1	0.700	0.724	0.002	0.026	NM_023009	MARCKS-like 1
355	MBOAT2	0.582	0.605	0.001	0.026	NM_138799	membrane bound O-acyltransferase domain containing 2
356	MCAT	0.786	0.765	0.006	0.006	NR_046423	malonyl-CoA-acyl carrier protein transacylase
357	MCM2	0.727	0.741	0.033	0.037	NM_004526	minichromosome maintenance complex component 2
358	MCM4	0.792	0.788	0.003	0.012	NM_182746	minichromosome maintenance complex component 4
359	MCM6	0.736	0.738	0.019	0.012	NM_005915	minichromosome maintenance complex component 6
360	MCM7	0.704	0.675	0.006	0.004	NM_182776	minichromosome maintenance complex component 7
361	MDK	0.304	0.443	0.001	0.002	NM_001270550	midkine (neurite growth-promoting factor 2)
362	MEMO1	0.787	0.731	0.012	0.027	NR_126034	mediator of cell motility 1
363	METRN	0.695	0.633	0.044	0.004	NM_024042	meteorin, glial cell differentiation regulator
364	METRNL	0.581	0.642	0.016	0.119	NM_001004431	meteorin, glial cell differentiation regulator-like
365	METTL17	0.774	0.862	0.009	0.176	NM_001029991	methyltransferase like 17
366	METTL2B	0.796	0.881	0.014	0.055	NM_018396	methyltransferase like 2B
367	MICA	0.632	0.597	0.009	0.007	NM_001289153	MHC class I polypeptide-related sequence A
368	MID1IP1	0.733	0.724	0.024	0.017	NM_021242	MID1 interacting protein 1
369	MIPEP	0.630	0.602	0.018	0.016	NM_005932	mitochondrial intermediate peptidase
370	MIR31HG	0.786	0.720	0.016	0.009	NR_027054	MIR31 host gene
371	MISP	0.169	0.201	0.003	0.003	NM_173481	mitotic spindle positioning
372	MKNK2	0.756	0.793	0.031	0.048	NM_017572	MAP kinase interacting serine/threonine kinase 2

373	MLF2	0.725	0.743	0.018	0.016	NR_026581	myeloid leukemia factor 2
374	MPP7	0.588	0.549	0.013	0.001	NM_173496	membrane palmitoylated protein 7
375	MPZL2	0.687	0.703	0.002	0.006	NM_005797	myelin protein zero like 2
376	MRPL11	0.739	0.712	0.021	0.007	NM_170739	mitochondrial ribosomal protein L11
377	MRPL14	0.665	0.555	0.007	0.027	NM_032111	mitochondrial ribosomal protein L14
378	MRPL16	0.784	0.802	0.033	0.117	NM_017840	mitochondrial ribosomal protein L16
379	MRPL20	0.715	0.636	0.028	0.028	NM_017971	mitochondrial ribosomal protein L20
380	MRPL22	0.797	0.705	0.015	0.038	NM_001014990	mitochondrial ribosomal protein L22
381	MRPL33	0.707	0.565	0.030	0.033	NM_145330	mitochondrial ribosomal protein L33
382	MRPL35	0.717	0.774	0.011	0.013	NM_145644	mitochondrial ribosomal protein L35
383	MRPL36	0.707	0.637	0.038	0.000	NM_032479	mitochondrial ribosomal protein L36
384	MRPL4	0.713	0.702	0.010	0.005	NM_146387	mitochondrial ribosomal protein L4
385	MRPL44	0.743	0.781	0.007	0.091	NM_022915	mitochondrial ribosomal protein L44
386	MRPL50	0.721	0.728	0.017	0.080	NM_019051	mitochondrial ribosomal protein L50
387	MRPL52	0.687	0.610	0.023	0.013	NM_180982	mitochondrial ribosomal protein L52
388	MRPL57	0.634	0.621	0.008	0.012	NM_024026	mitochondrial ribosomal protein L57
389	MRPS2	0.791	0.765	0.004	0.018	NR_051970	mitochondrial ribosomal protein S2
390	MRPS21	0.754	0.738	0.028	0.110	NM_031901	mitochondrial ribosomal protein S21
391	MRPS22	0.739	0.714	0.015	0.006	NM_020191	mitochondrial ribosomal protein S22
392	MRPS23	0.742	0.713	0.003	0.004	NM_016070	mitochondrial ribosomal protein S23
393	MRPS24	0.757	0.654	0.003	0.003	NM_032014	mitochondrial ribosomal protein S24
394	MRPS26	0.724	0.655	0.017	0.004	NM_030811	mitochondrial ribosomal protein S26
395	MRTO4	0.676	0.654	0.015	0.000	NM_016183	MRT4 homolog, ribosome maturation factor
396	MSLN	0.064	0.054	0.009	0.009	NM_005823	mesothelin
397	MSMO1	0.612	0.658	0.001	0.031	NM_006745	methylsterol monooxygenase 1
398	MT1E	0.581	0.474	0.002	0.002	NM_175617	metallothionein 1E
399	MT1F	0.443	0.416	0.006	0.007	NM_005949	metallothionein 1F
400	MT1G	0.381	0.255	0.016	0.022	NM_001301267	metallothionein 1G
401	MT1X	0.464	0.405	0.014	0.023	NM_005952	metallothionein 1X

402	MT2A	0.446	0.350	0.001	0.007	NM_005953	metallothionein 2A
403	MTA2	0.727	0.820	0.009	0.123	NM_004739	metastasis associated 1 family member 2
404	MVD	0.798	0.825	0.022	0.038	NM_002461	mevalonate diphosphate decarboxylase
405	MXD3	0.683	0.726	0.012	0.001	NM_001142935	MAX dimerization protein 3
406	MYEOV2	0.596	0.430	0.006	0.018	NM_138336	.
407	MYO1B	0.758	0.770	0.025	0.027	NM_001130158	myosin IB
408	MYO5B	0.715	0.786	0.003	0.023	NM_001080467	myosin VB
409	NAA10	0.781	0.697	0.041	0.001	NM_001256120	N(alpha)-acetyltransferase 10, NatA catalytic subunit
410	NAB2	0.723	0.752	0.023	0.072	NM_005967	NGFI-A binding protein 2
411	NAPG	0.594	0.596	0.002	0.008	NM_003826	NSF attachment protein gamma
412	NARF	0.775	0.845	0.045	0.102	NM_001038618	nuclear prelamin A recognition factor
413	NASP	0.723	0.731	0.002	0.013	NM_001195193	nuclear autoantigenic sperm protein
414	NBL1	0.416	0.435	0.005	0.003	NM_001278164	neuroblastoma 1, DAN family BMP antagonist
415	NCBP2	0.682	0.674	0.020	0.042	NM_007362	nuclear cap binding protein subunit 2
416	NCBP2-AS2	0.698	0.691	0.034	0.064	NR_024388	NCBP2 antisense RNA 2 (head to head)
417	NCL	0.761	0.790	0.007	0.016	NM_005381	nucleolin
418	NDNL2	0.774	0.749	0.020	0.052	NM_138704	.
419	NDUFA10	0.772	0.725	0.017	0.012	NM_004544	NADH:ubiquinone oxidoreductase subunit A10
420	NDUFB4	0.704	0.560	0.010	0.019	NM_004547	NADH:ubiquinone oxidoreductase subunit B4
421	NDUFS5	0.736	0.645	0.039	0.023	NM_001184979	NADH:ubiquinone oxidoreductase subunit S5
422	NDUFV1	0.782	0.755	0.038	0.027	NM_001166102	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa
423	NDUFV2	0.720	0.672	0.003	0.022	NM_021074	NADH:ubiquinone oxidoreductase core subunit V2
424	NFE2L3	0.762	0.736	0.006	0.010	NM_004289	nuclear factor, erythroid 2 like 3
425	NIPSNAP1	0.739	0.757	0.002	0.009	NM_001202502	nipsnap homolog 1 (C. elegans)
426	NKD2	0.256	0.406	0.004	0.009	NM_001271082	naked cuticle homolog 2
427	NMB	0.739	0.586	0.038	0.011	NM_205858	neuromedin B
428	NME1	0.713	0.665	0.002	0.001	NM_198175	NME/NM23 nucleoside diphosphate kinase 1
429	NOC4L	0.726	0.794	0.018	0.052	NM_024078	nucleolar complex associated 4 homolog
430	NOL11	0.768	0.773	0.010	0.011	NM_001303272	nucleolar protein 11

431	NOP2	0.716	0.773	0.011	0.024	NM_001033714	NOP2 nucleolar protein
432	NOP56	0.773	0.770	0.002	0.022	NM_006392	NOP56 ribonucleoprotein
433	NOTUM	0.367	0.472	0.000	0.004	NM_178493	NOTUM, palmitoleoyl-protein carboxylesterase
434	NPNT	0.699	0.694	0.005	0.001	NM_001033047	nephronectin
435	NR4A1	0.543	0.501	0.032	0.019	NM_001202233	nuclear receptor subfamily 4 group A member 1
436	NSMF	0.742	0.796	0.043	0.068	NM_001130970	NMDA receptor synaptonuclear signaling and neuronal migration factor
437	NSUN2	0.777	0.727	0.005	0.003	NM_017755	NOP2/Sun RNA methyltransferase family member 2
438	NTMT1	0.696	0.622	0.001	0.044	NM_001286796	N-terminal Xaa-Pro-Lys N-methyltransferase 1
439	NUDT15	0.646	0.597	0.013	0.012	NM_018283	nudix hydrolase 15
440	NUMBL	0.751	0.874	0.038	0.178	NM_001289980	NUMB like, endocytic adaptor protein
441	NXPH4	0.797	0.739	0.024	0.031	NM_007224	neurexophilin 4
442	NXT1	0.770	0.682	0.018	0.101	NM_013248	nuclear transport factor 2 like export factor 1
443	OAF	0.693	0.730	0.018	0.035	NM_178507	out at first homolog
444	OAZ1	0.791	0.690	0.005	0.004	NM_001301020	ornithine decarboxylase antizyme 1
445	OBSL1	0.716	0.707	0.007	0.009	NM_015311	obscurin-like 1
446	OSGEP	0.694	0.722	0.044	0.169	NM_017807	O-sialoglycoprotein endopeptidase
447	OST4	0.669	0.567	0.009	0.032	NM_001134693	oligosaccharyltransferase complex subunit 4, non-catalytic
448	PA2G4	0.667	0.670	0.009	0.008	NM_006191	proliferation-associated 2G4
449	PAK1IP1	0.716	0.687	0.004	0.036	NM_017906	PAK1 interacting protein 1
450	PAM16	0.780	0.640	0.041	0.046	NM_016069	presequence translocase-associated motor 16 homolog (S. cerevisiae)
451	PBDC1	0.658	0.602	0.019	0.016	NM_001300888	polysaccharide biosynthesis domain containing 1
452	PCBD1	0.781	0.730	0.007	0.008	NM_000281	pterin-4 alpha-carbinolamine dehydratase 1
453	PCNA	0.770	0.735	0.012	0.077	NM_182649	proliferating cell nuclear antigen
454	PCSK9	0.534	0.591	0.017	0.024	NM_174936	proprotein convertase subtilisin/kexin type 9
455	PDGFA	0.635	0.608	0.000	0.007	NM_002607	platelet derived growth factor subunit A
456	PDHB	0.785	0.816	0.040	0.065	NR_033384	pyruvate dehydrogenase (lipoamide) beta
457	PDLIM2	0.729	0.663	0.026	0.014	NM_021630	PDZ and LIM domain 2
458	PDLIM7	0.703	0.679	0.024	0.046	NM_005451	PDZ and LIM domain 7
459	PES1	0.748	0.755	0.023	0.027	NM_014303	pescadillo ribosomal biogenesis factor 1

460	PET100	0.785	0.657	0.030	0.147	NR_033242	PET100 homolog
461	PET117	0.699	0.596	0.000	0.001	NM_001164811	PET117 homolog
462	PFDN2	0.721	0.643	0.015	0.127	NM_012394	prefoldin subunit 2
463	PFN1	0.714	0.715	0.005	0.013	NM_005022	profilin 1
464	PGAM1	0.704	0.669	0.001	0.001	NM_002629	phosphoglycerate mutase 1
465	PGAM5	0.771	0.774	0.032	0.047	NM_001170543	PGAM family member 5, mitochondrial serine/threonine protein phosphatase
466	PGD	0.714	0.743	0.004	0.009	NM_002631	phosphogluconate dehydrogenase
467	PHLDA1	0.360	0.263	0.000	0.000	NM_007350	pleckstrin homology like domain family A member 1
468	PHLDA2	0.443	0.384	0.000	0.002	NM_003311	pleckstrin homology like domain family A member 2
469	PIN1	0.769	0.698	0.030	0.023	NR_038830	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
470	PKMYT1	0.785	0.767	0.019	0.021	NM_182687	protein kinase, membrane associated tyrosine/threonine 1
471	PLAUR	0.328	0.325	0.006	0.001	NM_001005376	plasminogen activator, urokinase receptor
472	PLBD1	0.443	0.379	0.003	0.002	NM_024829	phospholipase B domain containing 1
473	PLCD3	0.707	0.700	0.044	0.039	NM_133373	phospholipase C delta 3
474	PLEKHF2	0.707	0.606	0.004	0.002	NM_024613	pleckstrin homology and FYVE domain containing 2
475	PLEKHJ1	0.797	0.715	0.043	0.008	NM_001300836	pleckstrin homology domain containing J1
476	PLK2	0.617	0.590	0.013	0.034	NM_001252226	polo like kinase 2
477	PMPCA	0.754	0.782	0.015	0.058	NM_015160	peptidase, mitochondrial processing alpha subunit
478	PNKP	0.775	0.829	0.045	0.283	NM_007254	polynucleotide kinase 3'-phosphatase
479	PNO1	0.738	0.694	0.001	0.001	NM_020143	partner of NOB1 homolog
480	PNP	0.733	0.736	0.005	0.000	NM_000270	purine nucleoside phosphorylase
481	POLD2	0.756	0.732	0.049	0.072	NM_001127218	polymerase (DNA) delta 2, accessory subunit
482	POLR2C	0.783	0.811	0.027	0.001	NM_032940	polymerase (RNA) II subunit C
483	POLR2G	0.763	0.778	0.034	0.035	NM_002696	polymerase (RNA) II subunit G
484	POLR2J	0.675	0.689	0.036	0.062	NM_006234	polymerase (RNA) II subunit J
485	POLR2L	0.585	0.531	0.007	0.035	NM_021128	polymerase (RNA) II subunit L
486	POLR3K	0.691	0.531	0.003	0.008	NM_016310	polymerase (RNA) III subunit K
487	POMGNT2	0.750	0.821	0.013	0.058	NM_032806	protein O-linked mannose N-acetylglucosaminyltransferase 2 (beta 1,4-)
488	PON2	0.702	0.626	0.009	0.009	NM_001018161	paraoxonase 2

489	PPFIBP1	0.792	0.767	0.002	0.001	NM_001198916	PPFIA binding protein 1
490	PPIF	0.749	0.758	0.028	0.032	NM_005729	peptidylprolyl isomerase F
491	PPP1R14B	0.741	0.670	0.047	0.008	NM_138689	protein phosphatase 1 regulatory inhibitor subunit 14B
492	PPP1R18	0.733	0.765	0.012	0.009	NM_133471_5	protein phosphatase 1 regulatory subunit 18
493	PPP2R1B	0.797	0.830	0.024	0.144	NM_181699	protein phosphatase 2 regulatory subunit A, beta
494	PQLC1	0.780	0.761	0.008	0.009	NM_001146343	PQ loop repeat containing 1
495	PRKCD	0.647	0.695	0.048	0.038	NM_006254	protein kinase C delta
496	PRMT1	0.771	0.694	0.034	0.008	NM_001207042	protein arginine methyltransferase 1
497	PROCR	0.777	0.661	0.001	0.002	NM_006404	protein C receptor
498	PRPF4	0.750	0.815	0.027	0.041	NM_001244926	pre-mRNA processing factor 4
499	PRPS2	0.752	0.741	0.000	0.003	NM_002765	phosphoribosyl pyrophosphate synthetase 2
500	PRR5	0.721	0.721	0.049	0.086	NM_001017529	proline rich 5
501	PSMD6	0.785	0.753	0.001	0.014	NM_014814	proteasome 26S subunit, non-ATPase 6
502	PSMD7	0.779	0.744	0.045	0.028	NM_002811	proteasome 26S subunit, non-ATPase 7
503	PSMD8	0.792	0.740	0.043	0.035	NM_002812	proteasome 26S subunit, non-ATPase 8
504	PSMG3	0.685	0.694	0.030	0.057	NM_032302	proteasome assembly chaperone 3
505	PSRC1	0.674	0.757	0.048	0.041	NM_032636	proline and serine rich coiled-coil 1
506	PTMA	0.662	0.614	0.012	0.013	NM_002823	prothymosin, alpha
507	PTMS	0.635	0.602	0.006	0.001	NM_002824	parathymosin
508	PTPN2	0.764	0.758	0.041	0.037	NM_080423	protein tyrosine phosphatase, non-receptor type 2
509	PTPRO	0.417	0.396	0.005	0.009	NM_030667	protein tyrosine phosphatase, receptor type O
510	PTRF	0.695	0.985	0.045	0.830	NM_012232	polymerase I and transcript release factor
511	PTRH2	0.767	0.723	0.015	0.001	NM_001015509	peptidyl-tRNA hydrolase 2
512	PVRL1	0.563	0.755	0.003	0.010	NM_203285	.
513	PWP2	0.715	0.694	0.042	0.040	NM_005049	PWP2 periodic tryptophan protein homolog (yeast)
514	RALB	0.784	0.772	0.002	0.001	NM_002881	v-ral simian leukemia viral oncogene homolog B
515	RALGDS	0.721	0.849	0.027	0.332	NM_001271776	ral guanine nucleotide dissociation stimulator
516	RALGPS2	0.502	0.456	0.016	0.009	NM_001286247	Ral GEF with PH domain and SH3 binding motif 2
517	RAN	0.739	0.698	0.003	0.007	NM_001300796	RAN, member RAS oncogene family

518	RANBP1	0.704	0.673	0.009	0.021	NM_001278639	RAN binding protein 1
519	RANGRF	0.769	0.668	0.021	0.077	NM_001177802	RAN guanine nucleotide release factor
520	RBM3	0.775	0.718	0.034	0.008	NM_006743	RNA binding motif (RNP1, RRM) protein 3
521	RBM38	0.716	0.736	0.007	0.024	NM_183425	RNA binding motif protein 38
522	RBX1	0.739	0.600	0.047	0.061	NM_014248	ring-box 1
523	RDH13	0.679	0.671	0.008	0.005	NM_138412	retinol dehydrogenase 13 (all-trans/9-cis)
524	RECQL4	0.680	0.708	0.044	0.013	NM_004260	RecQ like helicase 4
525	REEP6	0.743	0.830	0.026	0.104	NM_138393	receptor accessory protein 6
526	RFC2	0.737	0.709	0.007	0.003	NM_181471	replication factor C subunit 2
527	RFNG	0.776	0.739	0.018	0.037	NM_002917	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
528	RHOD	0.700	0.560	0.037	0.022	NM_001300886	ras homolog family member D
529	RNF7	0.791	0.777	0.031	0.035	NM_183237	ring finger protein 7
530	RPF2	0.748	0.729	0.023	0.021	NM_001289111	ribosome production factor 2 homolog
531	RPL22L1	0.741	0.669	0.018	0.057	NM_001099645	ribosomal protein L22 like 1
532	RPS19BP1	0.787	0.735	0.046	0.031	NR_130151	ribosomal protein S19 binding protein 1
533	RRP36	0.754	0.735	0.014	0.000	NM_033112	ribosomal RNA processing 36
534	RRP7A	0.742	0.739	0.010	0.007	NM_015703	ribosomal RNA processing 7 homolog A
535	RRP9	0.746	0.650	0.019	0.011	NM_004704	ribosomal RNA processing 9, small subunit (SSU) processome component, homolog (ye
536	RUVBL1	0.719	0.672	0.029	0.042	NM_003707	RuvB like AAA ATPase 1
537	S100A10	0.771	0.686	0.002	0.061	NM_002966	S100 calcium binding protein A10
538	S100A11	0.424	0.351	0.003	0.003	NM_005620	S100 calcium binding protein A11
539	S100A13	0.714	0.623	0.016	0.034	NM_005979	S100 calcium binding protein A13
540	S100A14	0.208	0.107	0.008	0.006	NM_020672	S100 calcium binding protein A14
541	S100A16	0.329	0.291	0.003	0.004	NM_080388	S100 calcium binding protein A16
542	S100A2	0.590	0.480	0.005	0.014	NM_005978	S100 calcium binding protein A2
543	S100A4	0.628	0.569	0.015	0.020	NM_019554	S100 calcium binding protein A4
544	S100A5	0.774	0.581	0.041	0.011	NM_002962	S100 calcium binding protein A5
545	SAP30	0.717	0.734	0.021	0.013	NM_003864	Sin3A associated protein 30kDa
546	SAPCD2	0.665	0.669	0.017	0.016	NM_178448	suppressor APC domain containing 2

547	SCARA3	0.544	0.687	0.010	0.021	NM_016240	scavenger receptor class A member 3
548	SCARB1	0.752	0.779	0.010	0.003	NM_001082959	scavenger receptor class B member 1
549	SCD	0.733	0.834	0.029	0.085	NM_005063	stearoyl-CoA desaturase (delta-9-desaturase)
550	SDC1	0.699	0.650	0.044	0.038	NM_001006946	syndecan 1
551	SDC4	0.786	0.760	0.026	0.137	NM_002999	syndecan 4
552	SDHA	0.754	0.772	0.001	0.008	NM_001294332	succinate dehydrogenase complex flavoprotein subunit A
553	SDHAF3	0.790	0.754	0.015	0.130	NM_020186	succinate dehydrogenase complex assembly factor 3
554	SEC61B	0.788	0.671	0.033	0.103	NM_006808	Sec61 translocon beta subunit
555	SEMA3B	0.202	0.232	0.009	0.009	NM_004636	semaphorin 3B
556	SEPW1	0.718	0.689	0.032	0.064	NM_003009	selenoprotein W, 1
557	SERPINB1	0.800	0.710	0.018	0.021	NM_030666	serpin family B member 1
558	SERPINB5	0.509	0.386	0.004	0.001	NM_002639	serpin family B member 5
559	SERPINH1	0.748	0.744	0.001	0.033	NM_001235	serpin family H member 1
560	SFN	0.347	0.325	0.000	0.000	NM_006142	stratifin
561	SGPP2	0.642	0.600	0.023	0.001	NM_152386	sphingosine-1-phosphate phosphatase 2
562	SH3BGRL3	0.562	0.598	0.000	0.001	NM_031286	SH3 domain binding glutamate rich protein like 3
563	SHMT2	0.753	0.771	0.044	0.044	NM_001166356	serine hydroxymethyltransferase 2
564	SIVA1	0.764	0.623	0.048	0.003	NM_006427	SIVA1 apoptosis inducing factor
565	SKP2	0.738	0.755	0.033	0.055	NM_001243120	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
566	SLC16A3	0.730	0.674	0.014	0.004	NM_001042422	solute carrier family 16 member 3
567	SLC1A5	0.535	0.543	0.002	0.004	NM_001145144	solute carrier family 1 member 5
568	SLC25A1	0.799	0.811	0.022	0.070	NM_001287387	solute carrier family 25 member 1
569	SLC25A11	0.706	0.676	0.012	0.014	NM_001165417	solute carrier family 25 member 11
570	SLC25A15	0.748	0.806	0.012	0.013	NM_014252	solute carrier family 25 member 15
571	SLC25A29	0.606	0.711	0.007	0.020	NM_001291813	solute carrier family 25 member 29
572	SLC25A33	0.674	0.642	0.011	0.007	NM_032315	solute carrier family 25 member 33
573	SLC25A37	0.611	0.726	0.016	0.022	NM_016612	solute carrier family 25 member 37
574	SLC25A39	0.750	0.812	0.020	0.083	NM_016016	solute carrier family 25 member 39
575	SLC37A4	0.776	0.746	0.046	0.063	NM_001467	solute carrier family 37 member 4

576	SLC38A5	0.560	0.449	0.013	0.003	NM_033518	solute carrier family 38 member 5
577	SLC39A4	0.605	0.559	0.002	0.014	NM_017767	solute carrier family 39 member 4
578	SLC9A3R2	0.762	0.714	0.020	0.024	NM_004785	SLC9A3 regulator 2
579	SLMO2-AT	0.564	0.806	0.033	0.271	NR_037930	SLMO2-ATP5E readthrough
580	SLPI	0.132	0.086	0.000	0.000	NM_003064	secretory leukocyte peptidase inhibitor
581	SMIM7	0.698	0.704	0.011	0.010	NM_024104	small integral membrane protein 7
582	SNAPIN	0.737	0.854	0.014	0.059	NR_052020	SNAP associated protein
583	SNHG17	0.702	0.707	0.001	0.031	NR_027241	small nucleolar RNA host gene 17
584	SNORA76C	0.026	0.256	0.014	0.102	NR_002995	.
585	SNRNP25	0.759	0.648	0.047	0.035	NM_024571	small nuclear ribonucleoprotein U11/U12 subunit 25
586	SNRNP40	0.764	0.844	0.010	0.160	NM_004814	small nuclear ribonucleoprotein U5 subunit 40
587	SNRNP70	0.739	0.734	0.024	0.029	NM_003089	small nuclear ribonucleoprotein U1 subunit 70
588	SNRPA	0.795	0.824	0.018	0.003	NM_004596	small nuclear ribonucleoprotein polypeptide A
589	SNRPB	0.789	0.727	0.029	0.027	NM_198216	small nuclear ribonucleoprotein polypeptides B and B1
590	SNRPD2	0.740	0.657	0.011	0.014	NM_004597	small nuclear ribonucleoprotein D2 polypeptide
591	SNRPE	0.721	0.665	0.030	0.065	NM_003094	small nuclear ribonucleoprotein polypeptide E
592	SNRPG	0.690	0.595	0.017	0.038	NM_003096	small nuclear ribonucleoprotein polypeptide G
593	SNTB1	0.687	0.524	0.001	0.001	NM_021021	syntrophin beta 1
594	SNX4	0.764	0.757	0.016	0.016	NM_003794	sorting nexin 4
595	SOX9	0.462	0.391	0.003	0.002	NM_000346	SRY-box 9
596	SPATA33	0.683	0.774	0.048	0.061	NM_153025	spermatogenesis associated 33
597	SPATS2L	0.765	0.720	0.003	0.002	NM_015535	spermatogenesis associated serine rich 2 like
598	SPRY2	0.601	0.639	0.005	0.002	NM_005842	sprouty RTK signaling antagonist 2
599	SQLE	0.791	0.844	0.009	0.166	NM_003129	squalene epoxidase
600	SRM	0.757	0.688	0.015	0.031	NM_003132	spermidine synthase
601	SRSF2	0.682	0.737	0.023	0.049	NM_001195427	serine/arginine-rich splicing factor 2
602	SRSF3	0.750	0.723	0.031	0.042	NR_036610	serine/arginine-rich splicing factor 3
603	SRSF6	0.779	0.844	0.011	0.138	NM_006275	serine/arginine-rich splicing factor 6
604	SRSF7	0.774	0.769	0.022	0.012	NM_001195446	serine/arginine-rich splicing factor 7

605	SRXN1	0.767	0.791	0.009	0.024	NM_080725	sulfiredoxin 1
606	SS18L2	0.698	0.593	0.028	0.074	NM_016305	SS18 like 2
607	SSBP4	0.752	0.714	0.023	0.019	NM_032627	single stranded DNA binding protein 4
608	SSFA2	0.732	0.728	0.022	0.020	NM_001287505	sperm specific antigen 2
609	STAP2	0.461	0.477	0.014	0.006	NM_001013841	signal transducing adaptor family member 2
610	STEAP1	0.581	0.446	0.015	0.001	NM_012449	six transmembrane epithelial antigen of the prostate 1
611	STK25	0.756	0.788	0.032	0.026	NM_006374	serine/threonine kinase 25
612	STMN3	0.556	0.636	0.019	0.047	NM_015894	stathmin 3
613	STX10	0.798	0.705	0.000	0.002	NM_003765	syntaxin 10
614	SULT2B1	0.231	0.185	0.004	0.003	NM_177973	sulfotransferase family 2B member 1
615	SUMO3	0.740	0.672	0.001	0.000	NM_006936	small ubiquitin-like modifier 3
616	SVIP	0.753	0.719	0.012	0.054	NM_148893	small VCP/p97-interacting protein
617	SYTL1	0.729	0.660	0.014	0.007	NM_001193308	synaptotagmin like 1
618	TAF10	0.610	0.631	0.006	0.010	NM_006284	TATA-box binding protein associated factor 10
619	TAGLN2	0.698	0.626	0.013	0.000	NM_003564	transgelin 2
620	TALDO1	0.746	0.684	0.003	0.001	NM_006755	transaldolase 1
621	TBCC	0.799	0.775	0.047	0.026	NM_003192	tubulin folding cofactor C
622	TCERG1	0.733	0.743	0.002	0.004	NM_006706	transcription elongation regulator 1
623	TCF7	0.578	0.621	0.013	0.019	NM_003202	transcription factor 7 (T-cell specific, HMG-box)
624	TDO2	0.633	0.567	0.005	0.011	NM_005651	tryptophan 2,3-dioxygenase
625	TELO2	0.654	0.681	0.048	0.088	NM_016111	telomere maintenance 2
626	TERF1	0.767	0.770	0.017	0.010	NM_017489	telomeric repeat binding factor 1
627	TFAP2A	0.796	0.806	0.019	0.040	NM_003220	transcription factor AP-2 alpha
628	TFRC	0.672	0.655	0.001	0.002	NM_003234	transferrin receptor
629	THOC3	0.776	0.802	0.036	0.124	NM_032361	THO complex 3
630	TIMM10	0.659	0.655	0.045	0.006	NM_012456	translocase of inner mitochondrial membrane 10 homolog (yeast)
631	TIMM17A	0.786	0.721	0.024	0.019	NM_006335	translocase of inner mitochondrial membrane 17 homolog A (yeast)
632	TIMM8B	0.681	0.660	0.003	0.021	NR_028383	translocase of inner mitochondrial membrane 8 homolog B (yeast)
633	TINAGL1	0.708	0.721	0.037	0.060	NM_001204414	tubulointerstitial nephritis antigen like 1

634	TKT	0.681	0.671	0.005	0.024	NM_001135055	transketolase
635	TMA7	0.516	0.415	0.027	0.028	NM_015933	translation machinery associated 7 homolog
636	TMC5	0.749	0.746	0.020	0.050	NM_001308161	transmembrane channel like 5
637	TMEM11	0.757	0.688	0.005	0.003	NR_024547	transmembrane protein 11
638	TMEM132A	0.720	0.849	0.009	0.149	NM_017870	transmembrane protein 132A
639	TMEM147	0.717	0.631	0.009	0.001	NM_032635	transmembrane protein 147
640	TMEM14B	0.781	0.683	0.042	0.048	NM_001286489	transmembrane protein 14B
641	TMEM189	0.751	0.955	0.022	0.623	NM_199129	transmembrane protein 189
642	TMEM30B	0.705	0.664	0.024	0.043	NM_001017970	transmembrane protein 30B
643	TMEM52	0.555	0.543	0.038	0.003	NM_178545	transmembrane protein 52
644	TMSB10	0.666	0.538	0.007	0.023	NM_021103	thymosin beta 10
645	TMSB4X	0.474	0.308	0.005	0.003	NM_021109	thymosin beta 4, X-linked
646	TNFRSF12A	0.698	0.598	0.008	0.034	NM_016639	tumor necrosis factor receptor superfamily member 12A
647	TNFRSF21	0.721	0.681	0.016	0.039	NM_014452	tumor necrosis factor receptor superfamily member 21
648	TOB1	0.787	0.848	0.011	0.096	NM_001243885	transducer of ERBB2, 1
649	TOMM40	0.744	0.625	0.049	0.008	NM_001128916	translocase of outer mitochondrial membrane 40
650	TOMM5	0.642	0.599	0.001	0.023	NM_001001790	translocase of outer mitochondrial membrane 5
651	TOMM6	0.747	0.665	0.018	0.052	NM_001134493	translocase of outer mitochondrial membrane 6
652	TOR1A	0.791	0.829	0.017	0.170	NM_000113	torsin family 1 member A
653	TPBG	0.754	0.785	0.009	0.004	NM_006670	trophoblast glycoprotein
654	TRA2B	0.800	0.787	0.049	0.069	NM_004593	transformer 2 beta homolog (Drosophila)
655	TRABD2A	0.579	0.662	0.011	0.021	NM_001277053	TraB domain containing 2A
656	TRAF3IP2	0.686	0.655	0.004	0.010	NM_147686	TRAF3 interacting protein 2
657	TREX1	0.709	0.786	0.023	0.047	NM_007248	three prime repair exonuclease 1
658	TRIP13	0.780	0.780	0.012	0.015	NM_001166260	thyroid hormone receptor interactor 13
659	TSC22D1	0.784	0.744	0.041	0.043	NM_001243799	TSC22 domain family member 1
660	TSEN54	0.747	0.666	0.044	0.024	NM_207346	tRNA splicing endonuclease subunit 54
661	TSKU	0.678	0.607	0.049	0.004	NM_001258210	tsukushi, small leucine rich proteoglycan
662	TSPAN15	0.581	0.522	0.000	0.001	NM_012339	tetraspanin 15

663	TSTA3	0.793	0.688	0.036	0.032	NM_003313	tissue specific transplantation antigen P35B
664	TTC22	0.798	0.822	0.031	0.099	NM_001114108	tetratricopeptide repeat domain 22
665	TUBA1B	0.771	0.749	0.008	0.014	NM_006082	tubulin alpha 1b
666	TUBA1C	0.771	0.767	0.038	0.005	NM_001303114	tubulin alpha 1c
667	TUBB2A	0.499	0.528	0.007	0.008	NM_001310315	tubulin beta 2A class IIa
668	TUBB3	0.372	0.388	0.001	0.002	NM_001197181	tubulin beta 3 class III
669	TUBB4B	0.650	0.648	0.010	0.009	NM_006088	tubulin beta 4B class IVb
670	TUBG1	0.699	0.720	0.010	0.022	NM_001070	tubulin gamma 1
671	TUSC2	0.708	0.665	0.023	0.023	NM_007275	tumor suppressor candidate 2
672	TXN	0.580	0.467	0.011	0.014	NM_001244938	thioredoxin
673	TYMS	0.656	0.606	0.029	0.020	NM_001071	thymidylate synthetase
674	UBE2G2	0.769	0.788	0.039	0.029	NM_182688	ubiquitin conjugating enzyme E2 G2
675	UBE2J2	0.784	0.796	0.041	0.032	NM_194315	ubiquitin conjugating enzyme E2 J2
676	UBE2S	0.745	0.677	0.024	0.000	NM_014501	ubiquitin conjugating enzyme E2 S
677	UBE2T	0.773	0.738	0.016	0.125	NM_014176	ubiquitin conjugating enzyme E2 T
678	UBIAD1	0.754	0.776	0.007	0.015	NM_013319	UbiA prenyltransferase domain containing 1
679	UNC5B	0.297	0.343	0.012	0.013	NM_001244889	unc-5 netrin receptor B
680	UQCC2	0.670	0.644	0.000	0.018	NM_032340	ubiquinol-cytochrome c reductase complex assembly factor 2
681	UQCRFS1	0.767	0.708	0.006	0.013	NM_006003	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
682	UQCRQ	0.692	0.627	0.038	0.045	NM_014402	ubiquinol-cytochrome c reductase complex III subunit VII
683	USMG5	0.714	0.560	0.014	0.046	NM_032747	up-regulated during skeletal muscle growth 5 homolog (mouse)
684	USP6NL	0.616	0.532	0.007	0.004	NM_014688	USP6 N-terminal like
685	UTP3	0.777	0.703	0.028	0.083	NM_020368	UTP3, small subunit processome component homolog (S. cerevisiae)
686	UTP6	0.754	0.763	0.042	0.040	NM_018428	UTP6, small subunit processome component
687	UXS1	0.755	0.742	0.029	0.136	NM_025076	UDP-glucuronate decarboxylase 1
688	VARS2	0.580	0.599	0.008	0.010	NM_001167733_	valyl-tRNA synthetase 2, mitochondrial
689	VASP	0.628	0.599	0.002	0.000	NM_003370	vasodilator-stimulated phosphoprotein
690	VPS37B	0.759	0.799	0.042	0.027	NM_024667	VPS37B, ESCRT-I subunit
691	VSNL1	0.577	0.463	0.007	0.003	NM_003385	visinin-like 1

692	WDR1	0.800	0.795	0.020	0.024	NM_005112	WD repeat domain 1
693	WDR18	0.742	0.685	0.032	0.009	NM_024100	WD repeat domain 18
694	WDR34	0.754	0.715	0.049	0.028	NM_052844	WD repeat domain 34
695	WDR5	0.754	0.778	0.041	0.075	NM_017588	WD repeat domain 5
696	WIBG	0.729	0.637	0.006	0.000	NM_032345	.
697	WRAP73	0.682	0.809	0.012	0.028	NM_017818	WD repeat containing, antisense to TP73
698	YBX1	0.785	0.711	0.003	0.003	NM_004559	Y-box binding protein 1
699	YRDC	0.775	0.762	0.029	0.008	NM_024640	yrdC N6-threonylcarbamoyltransferase domain containing
700	YWHAZ	0.655	0.639	0.003	0.003	NM_001135702	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta
701	ZBED5-AS1	0.736	0.780	0.001	0.281	NR_034137	ZBED5 antisense RNA 1
702	ZBTB7C	0.280	0.255	0.006	0.006	NM_001039360	zinc finger and BTB domain containing 7C
703	ZDHHC18	0.772	0.778	0.021	0.007	NM_032283	zinc finger DHHC-type containing 18
704	ZIC2	0.591	0.623	0.013	0.019	NM_007129	Zic family member 2
705	ZMYND19	0.650	0.647	0.040	0.057	NM_138462	zinc finger MYND-type containing 19
706	ZNF385A	0.475	0.535	0.001	0.011	NM_015481	zinc finger protein 385A
707	ZNF511	0.748	0.662	0.013	0.008	NR_130127	zinc finger protein 511
708	ZNF593	0.603	0.617	0.016	0.010	NM_015871	zinc finger protein 593
709	ZNF703	0.666	0.683	0.027	0.031	NM_025069	zinc finger protein 703
710	ZNF706	0.679	0.722	0.017	0.022	NM_016096	zinc finger protein 706
711	ZNRF3	0.776	0.780	0.003	0.002	NM_001206998	zinc and ring finger 3
712	ZP3	0.754	0.801	0.024	0.217	NM_007155	zona pellucida glycoprotein 3 (sperm receptor)
713	ZYX	0.769	0.834	0.031	0.170	NM_003461	zyxin