

# **Network Pharmacology and Molecular Docking Analysis of Active Compounds in Tualang Honey against Atherosclerosis**

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**Supplementary Table S1: Bioactive compound of Tualang Honey**

**Supplementary Table S2: Target genes of Tualang Honey Bioactive Compound**

**Supplementary Table S3: Target genes of Atherosclerosis**

**Supplementary Table S4: The degree value of nodes in protein–protein interaction network.**

**Supplementary Table S1: Bioactive compound of Tualang Honey**

No	Compound	References
1	(5-methylfuran-2-yl) methanol	[44]
2	1,6-Anhydro-beta-D-glucofuranose	[39]
3	1-dodecane	[42]
4	1-hexadecane	[42]
5	2 furancarboxaldehyde	[39,41,42]
6	2(3H)-Furanone	[39,41,42]
7	2(5H)-Furanone	[39,41,42,44]
8	2, 3-dihydro-3, 5-hydroxy-6-methyl-4H-pyran-4one	[39,42,44]
9	2,4-dihydroxy-2,5-dimethyl-3[2H]-furan-3 one	[41,42,44]
10	2-acetylfuran	[44]
11	2-amino-1,3-dihydroxyactadecane	[40]
12	2-cyclopentene-1,4,-dione	[41,42]
13	2-Furanmethanol	[39]
14	2-furoic acid	[44]
15	2-furylmethylketone	[41]
16	2-hydroxy-1-[hydroxymethyl] ethyl ester	[41]
17	2-hydroxy-2-cyclopenten-1-one	[41,42,44]
18	2-hydroxycinnamic acid	[43]
19	2-Propanone, 1,3-dihydroxy	[39]
20	2-Propanone, 1-hydroxy- (CAS) acetol	[39]
21	3,5-Dihydroxy-2-methyl-4H-pyran-4-one	[44]
22	3,7,4-trihydroxyflavone	[40]
23	3-Furaldehyde	[39]
24	3-furoic acid methyl ester	[44]
25	3-Hydroxy-2-methyl-4H-pyran-4-one	[44]
26	4-oxo-5-methoxy-2-penten-5-olide	[44]
27	5-(Hydroxymethyl) 2-furancarboxaldehyde	[39]
28	5-(hydroxymethyl)-furfural(HMF)	[41,42,44]
29	5,5'-oxy-dimethylene-bis[2-furaldehyde]	[44]
30	5-acetoxymethyl-2-furaldehyde	[44]
31	6-hydroxy-4-methylcoumarin	[40]
32	9-octadecane	[42]
33	Absciscic acid	[40]
34	Acetic acid	[41,42]
35	Apigenin	[13,40,43]
36	Benzoic acid	[13,41]
37	Caffeic acid	[13,40,41,43]
38	Catechin	[13,41,43]
39	Chrysin	[40,43]
40	Cycloeicosane	[42]
41	Cyclotetradecane	[42]
42	Diocetyl phthalate	[42]

43	Docosane	[42]
44	Dodecane	[42]
45	Dotriacontane	[42]
46	Eicosane	[42]
47	Ethyl oleate	[41]
48	ethyl palmitate	[44]
49	Fisetin	[40]
50	Formic acid	[39]
51	Furfural	[41]
52	Gallic acid	[13,41,43]
53	Gamma-crotonolactone	[41]
54	Gluconic acid	[40]
55	Glucose	[40]
56	Heneicosane	[42]
57	Heptacosane	[42]
58	Hesperetin	[13,40]
59	Hexacosane	[42]
60	Hyacinthin	[41,42,44]
61	Hydrogen chloride	[39]
62	Hydroxybenzoic acid	[40]
63	Hydroxyoctanic acid	[40]
64	Isoorientin	[40]
65	Kaempferol	[13,40,41,43]
66	Ketoisophorone	[44]
67	Lauryl diethanolamide	[40]
68	Levoglucosenone	[39]
69	Linalool oxide	[42]
70	Linoleic acid	[44,40,40]
71	Luteolin	[13,41,40]
72	Maltol	[39]
73	Methyl 2-furoate	[39]
74	Naringenin	[13,40,41]
75	Naringin	[13]
76	Nonacosane	[42]
77	n-tetratetracontane	[42]
78	Octacosane	[42]
79	Octadecanoic acid	[41,44]
80	Oleic acid	[41,44]
81	Orotic acid	[40]
82	Palmitic acid	[41,42,44]
83	p-coumaric acid	[13,41,43]
84	Pentacosane	[42]
85	Phenylacetaldehyde	[39,41]
86	Propanoic acid	[39]
87	Protoanemonine	[44]

88	Pyridoxal	[40]
89	Pyr-idoxamine	[40]
90	Pyrocatechol	[44]
91	Quercetin-3-0-rutinoside	[43]
92	Salicylic acid	[40]
93	Stearic acid	[42,44]
94	Succinic acid	[40]
95	Syringic acid	[13,41,43]
96	Tetracosane	[42]
97	Trans-cinnamic acid	[13,41,43]
98	Triacontane	[42]
99	Tricosane	[42]
100	Tritetracontane	[42]
101	Vanillic acid	[13]
102	Vitexin	[40]
103	Xanthohumol	[40]

**Supplementary Table S2: Target genes of Tualang Honey Bioactive Compound**

No	Target	Common name	Compound	Database 1	Database 2
1.	P-glycoprotein 1	ABCB1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
2.	Multidrug resistance-associated protein 1	ABCC1	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
3.	ATP-binding cassette sub-family G member 2	ABCG2	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
4.	Acetyl-CoA carboxylase 1	ACACA	ethyl oleate	Swiss Target	
5.	Acetyl-CoA carboxylase 2	ACACB	ethyl oleate	Swiss Target	
6.	Acetylcholinesterase	ACHE	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
7.	Low molecular weight phosphotyrosine protein phosphatase	ACP1	ethyl oleate	Swiss Target	
8.	ADAM Metallopeptidase Domain 10	ADAM10	ethyl oleate		SuperPred
9.	Adenosine A1 receptor	ADORA1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
10.	Adenosine A2a receptor	ADORA2A	fisetin, kaempferol, luteolin	Swiss Target	
11.	Adenosine A3 receptor	ADORA3	hesperetin	Swiss Target	
12.	Adenosylhomocysteinase	AHCY	ethyl oleate		SuperPred
13.	Aryl hydrocarbon receptor	AHR	fisetin, kaempferol, luteolin	Swiss Target	
14.	Aldehyde reductase	AKR1A1	fisetin, kaempferol, luteolin	Swiss Target	
15.	Aldose reductase	AKR1B1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
16.	Aldo-keto reductase family 1 member B10	AKR1B10	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	
17.	Aldo-keto reductase family 1 member C1	AKR1C1	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	
18.	Aldo-keto reductase family 1 member C2	AKR1C2	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
19.	Aldo-keto-reductase family 1 member C3	AKR1C3	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
20.	Aldo-keto-reductase family 1 member C4	AKR1C4	kaempferol, luteolin	Swiss Target	
21.	Serine/threonine-protein kinase AKT	AKT1	fisetin, kaempferol, luteolin	Swiss Target	
22.	ALK tyrosine kinase receptor	ALK	kaempferol, luteolin	Swiss Target	
23.	Arachidonate 12-lipoxygenase	ALOX12	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	

24.	Arachidonate 15-lipoxygenase	ALOX15	fisetin, kaempferol, luteolin	Swiss Target	
25.	Arachidonate 5-lipoxygenase	ALOX5	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
26.	Alkaline phosphatase, tissue-nonspecific isozyme	ALPL	catechin, ethyl oleate	Swiss Target	SuperPred
27.	Alpha-Amylase 1A	AMY1A	kaempferol, luteolin	Swiss Target	
28.	Aminopeptidase N	ANPEP	ethyl oleate		SuperPred
29.	Amine oxidase, copper containing	AOC3	ethyl oleate		SuperPred
30.	DNA-(apurinic or apyrimidinic site) lyase	APEX1	ethyl oleate, fisetin	Swiss Target	SuperPred
31.	APH1A Gamma Secretase Subunit	APH1A	ethyl oleate	Swiss Target	
32.	APH1B Gamma Secretase Subunit	APH1B	ethyl oleate	Swiss Target	
33.	Beta amyloid A4 protein	APP	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
34.	Androgen Receptor	AR	ethyl oleate, luteolin	Swiss Target	SuperPred
35.	Arginase-1	ARG1	fisetin, kaempferol, luteolin	Swiss Target	
36.	Potassium-transporting ATPase alpha chain 2	ATP12A	ethyl oleate	Swiss Target	
37.	Potassium-transporting ATPase	ATP4A	hesperetin	Swiss Target	
38.	Potassium-transporting ATPase	ATP4B	hesperetin	Swiss Target	
39.	Serine/threonine-protein kinase Aurora-A	AURKA	hesperetin	Swiss Target	
40.	Aurora kinase B/Inner centromere protein	AURKB	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
41.	Vasopressin V2 receptor	AVPR2	fisetin, kaempferol, luteolin	Swiss Target	
42.	Tyrosine-protein kinase receptor UFO	AXL	fisetin, kaempferol, luteolin	Swiss Target	
43.	Beta-secretase 1	BACE1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
44.	Apoptosis regulator Bcl-2	BCL2	hesperetin	Swiss Target	
45.	C5a anaphylatoxin chemotactic receptor	C5AR1	ethyl oleate		SuperPred
46.	Carbonic anhydrase I	CA1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
47.	Carbonic anhydrase XII	CA12	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
48.	Carbonic anhydrase XIII	CA13	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
49.	Carbonic anhydrase XIV	CA14	fisetin, kaempferol, luteolin	Swiss Target	
50.	Carbonic anhydrase II	CA2	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
51.	Carbonic anhydrase III	CA3	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred

52.	Carbonic anhydrase IV	CA4	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
53.	Carbonic anhydrase VA	CA5A	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
54.	Carbonic anhydrase VB	CA5B	hesperetin	Swiss Target	
55.	Carbonic anhydrase VI	CA6	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
56.	Carbonic anhydrase VII	CA7	catechin, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
57.	Carbonic anhydrase IX	CA9	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
58.	Voltage-gated L-type calcium channel alpha-1C subunit	CACNA1C	ethyl oleate		SuperPred
59.	Calcitonin gene-related peptide 1	CALCA	ethyl oleate	Swiss Target	
60.	CaM kinase II beta	CAMK2B	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
61.	Calpain 1	CAPN1	ethyl oleate	Swiss Target	SuperPred
62.	Carbonyl reductase [NADPH] 1	CBR1	hesperetin	Swiss Target	
63.	Cyclin-dependent kinase 2/cyclin A	CCNA1	hesperetin	Swiss Target	
64.	Cyclin-dependent kinase 2/cyclin A	CCNA2	hesperetin	Swiss Target	
65.	Cyclin-dependent kinase 1/cyclin B	CCNB1	fisetin, hesperetin	Swiss Target	
66.	Cyclin-dependent kinase 1/cyclin B	CCNB2	fisetin, kaempferol, luteolin	Swiss Target	
67.	Cyclin-dependent kinase 1/cyclin B	CCNB3	fisetin, kaempferol, luteolin	Swiss Target	
68.	Cyclin-dependent kinase 2/cyclin E1	CCNE1	hesperetin	Swiss Target	
69.	Cyclin T1	CCNT1	ethyl oleate	Swiss Target	
70.	Lymphocyte differentiation antigen CD38	CD38	ethyl oleate		SuperPred
71.	CD81 antigen	CD81	ethyl oleate	Swiss Target	
72.	Cyclin-dependent kinase 1/cyclin B1	CDK1	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
73.	Cyclin-dependent kinase 2/cyclin A	CDK2	hesperetin	Swiss Target	
74.	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
75.	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	fisetin, kaempferol, luteolin	Swiss Target	
76.	Cyclin-dependent kinase 6	CDK6	fisetin, kaempferol, luteolin	Swiss Target	SuperPred
77.	Acyl coenzyme A: cholesterol acyltransferase	CES1	ethyl oleate, hesperetin	Swiss Target	SuperPred
78.	Carboxylesterase 2	CES2	ethyl oleate, hesperetin	Swiss Target	SuperPred
79.	Cholesteryl ester transfer protein	CETP	ethyl oleate	Swiss Target	

80.	Cystic fibrosis transmembrane conductance regulator	CFTR	kaempferol, luteolin	Swiss Target	
81.	Serine/threonine-protein kinase Chk1	CHEK1	hesperetin	Swiss Target	
82.	Neuronal acetylcholine receptor protein alpha-7 subunit	CHRNA7	hesperetin	Swiss Target	
83.	Neuronal acetylcholine receptor; alpha4/beta4	CHRNA4	ethyl oleate		SuperPred
84.	CDGS iron-sulfur domain-containing protein 1	CISD1	kaempferol		SuperPred
85.	Dual specificity protein kinase CLK4	CLK4	ethyl oleate		SuperPred
86.	Cannabinoid receptor 1	CNR1	ethyl oleate	Swiss Target	
87.	Cannabinoid CB2 receptor	CNR2	ethyl oleate	Swiss Target	SuperPred
88.	Carnitine palmitoyltransferase 2	CPT2	ethyl oleate		SuperPred
89.	Casein kinase II alpha	CSNK2A1	fisetin, kaempferol, luteolin	Swiss Target	SuperPred
90.	Casein kinase II alpha/beta	CSNK2B	ethyl oleate		SuperPred
91.	Chymotrypsin C	CTRC	ethyl oleate	Swiss Target	
92.	Cathepsin D	CTSD	ethyl oleate		SuperPred
93.	Interleukin-8 receptor A	CXCR1	fisetin, kaempferol, luteolin	Swiss Target	
94.	Cytochrome P450 17A1	CYP17A1	ethyl oleate	Swiss Target	
95.	Cytochrome P450 19A1	CYP19A1	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
96.	Cytochrome P450 1B1	CYP1B1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
97.	Cytochrome P450 2A6	CYP2A6	ethyl oleate		SuperPred
98.	Cytochrome P450 2C19	CYP2C19	ethyl oleate	Swiss Target	
99.	Cytochrome P450 3A4	CYP3A4	ethyl oleate		SuperPred
100.	Cytochrome P450 51	CYP51A1	ethyl oleate	Swiss Target	
101.	Cysteinyl leukotriene receptor 2	CYSLTR2	ethyl oleate		SuperPred
102.	Death-associated protein kinase 1	DAPK1	fisetin, kaempferol, luteolin	Swiss Target	
103.	Deoxycytidine kinase	DCK	ethyl oleate	Swiss Target	
104.	dCTP pyrophosphatase 1	DCTPP1	ethyl oleate		SuperPred
105.	Dihydrofolate reductase	DHFR	ethyl oleate		SuperPred
106.	Dynamin-1	DNM1	hesperetin	Swiss Target	



107.	DNA (cytosine-5)-methyltransferase 1	DNMT1	hesperetin	Swiss Target	
108.	Dipeptidyl peptidase IV	DPP4	hesperetin, kaempferol, luteolin		SuperPred
109.	Dipeptidyl peptidase VIII	DPP8	ethyl oleate		SuperPred
110.	Dipeptidyl peptidase IX	DPP9	ethyl oleate		SuperPred
111.	Dopamine D4 receptor	DRD4	fisetin, kaempferol, luteolin	Swiss Target	
112.	Dual specificity protein phosphatase 3	DUSP3	hesperetin	Swiss Target	SuperPred
113.	Dual-specificity tyrosine-phosphorylation regulated kinase 1A	DYRK1A	hesperetin	Swiss Target	
114.	Endothelin receptor ET-A	EDNRA	hesperetin	Swiss Target	
115.	Epidermal growth factor receptor erbB1	EGFR	fisetin, kaempferol, luteolin	Swiss Target	
116.	Endothelial PAS domain-containing protein 1	EPAS1	ethyl oleate	Swiss Target	
117.	Epoxide hydrolase 1	EPHX1	ethyl oleate	Swiss Target	SuperPred
118.	Endoplasmic reticulum aminopeptidase 2	ERAP2	ethyl oleate	Swiss Target	SuperPred
119.	Serine/threonine-protein kinase/endoribonuclease IRE1	ERN1	hesperetin	Swiss Target	
120.	Estrogen receptor alpha	ESR1	hesperetin, kaempferol, luteolin	Swiss Target	
121.	Estrogen receptor beta	ESR2		Swiss Target	
122.	Estrogen-related receptor alpha	ESRRA	fisetin, kaempferol, luteolin	Swiss Target	
123.	Thrombin and coagulation factor X	F10	ethyl oleate	Swiss Target	
124.	Thrombin	F2	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	
125.	Proteinase-activated receptor 1	F2R	ethyl oleate	Swiss Target	
126.	Anandamide amidohydrolase	FAAH	ethyl oleate	Swiss Target	
127.	Fatty acid-binding protein 1 (liver)	FABP1	ethyl oleate	Swiss Target	
128.	Fatty acid-binding protein 3 (muscle and heart)	FABP3	ethyl oleate	Swiss Target	
129.	Fatty acid-binding protein 4 (adipocyte)	FABP4	ethyl oleate	Swiss Target	
130.	Fatty acid-binding protein 5 (epidermal)	FABP5	ethyl oleate	Swiss Target	
131.	Free fatty acid receptor 1	FFAR1	ethyl oleate, hesperetin	Swiss Target	
132.	Tyrosine-protein kinase FGR	FGR	ethyl oleate		SuperPred
133.	Vascular endothelial growth factor receptor 1	FLT1	ethyl oleate	Swiss Target	SuperPred

134.	Tyrosine-protein kinase receptor FLT3	FLT3	fisetin, kaempferol, luteolin	Swiss Target	SuperPred
135.	Protein farnesyltransferase	FNTA	ethyl oleate	Swiss Target	
136.	Protein farnesyltransferase	FNTB	ethyl oleate	Swiss Target	
137.	Formyl peptide receptor 1	FPR1	ethyl oleate		SuperPred
138.	Lipoxin A4 receptor	FPR2	ethyl oleate		SuperPred
139.	Fucosyltransferase 4	FUT4	hesperetin	Swiss Target	
140.	Alpha-(1,3)-fucosyltransferase 7	FUT7	hesperetin	Swiss Target	
141.	Glucose-6-phosphate 1-dehydrogenase	G6PD	ethyl oleate	Swiss Target	
142.	Geranylgeranyl pyrophosphate synthetase	GGPS1	ethyl oleate		SuperPred
143.	Glyoxalase I	GLO1	fisetin, kaempferol, luteolin	Swiss Target	
144.	Glycine receptor subunit alpha-1	GLRA1	ethyl oleate		SuperPred
145.	Gonadotropin-releasing hormone receptor	GNRHR	ethyl oleate	Swiss Target	
146.	G-protein coupled bile acid receptor 1	GPBAR1	ethyl oleate		SuperPred
147.	Glucose-dependent insulinotropic receptor	GPR119	ethyl oleate	Swiss Target	
148.	Uracil nucleotide/cysteinyl leukotriene receptor	GPR17	ethyl oleate		SuperPred
149.	G-protein coupled receptor 35	GPR35	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
150.	Glutamate NMDA receptor; GRIN1/GRIN2B	GRIN1	ethyl oleate		SuperPred
151.	G protein-coupled receptor kinase 6	GRK6	kaempferol, luteolin	Swiss Target	
152.	Metabotropic glutamate receptor 2	GRM2	hesperetin	Swiss Target	
153.	Metabotropic glutamate receptor 5	GRM5	hesperetin	Swiss Target	
154.	Glycogen synthase kinase-3 beta	GSK3B	fisetin, kaempferol, luteolin	Swiss Target	
155.	Beta-glucuronidase	GUSB	ethyl oleate, hesperetin	Swiss Target	SuperPred
156.	Histone deacetylase 10	HDAC10	ethyl oleate		SuperPred
157.	Histone deacetylase 3	HDAC3	ethyl oleate		SuperPred
158.	Hypoxia-inducible factor 1 alpha	HIF1A	luteolin	Swiss Target	SuperPred
159.	HMG-CoA reductase	HMGCR	ethyl oleate	Swiss Target	
160.	Histamine H4 receptor	HRH4	ethyl oleate	Swiss Target	
161.	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	ethyl oleate	Swiss Target	
162.	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	ethyl oleate	Swiss Target	

163.	Estradiol 17-beta-dehydrogenase 1	HSD17B1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
164.	Estradiol 17-beta-dehydrogenase 2	HSD17B2	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
165.	Estradiol 17-beta-dehydrogenase 3	HSD17B3	hesperetin	Swiss Target	
166.	Serotonin 2c (5-HT2c) receptor	HTR2C	ethyl oleate		SuperPred
167.	Insulin-like growth factor I receptor	IGF1R	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
168.	Insulin receptor	INSR	fisetin	Swiss Target	
169.	Histone acetyltransferase KAT6A	KAT6A	ethyl oleate		SuperPred
170.	HERG	KCNH2	ethyl oleate		SuperPred
171.	LSD1/CoREST complex	KDM1A	ethyl oleate		SuperPred
172.	Lysine-specific demethylase 4D-like	KDM4E	fisetin, luteolin	Swiss Target	
173.	Vascular endothelial growth factor receptor 2	KDR	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
174.	Kelch-like ECH-associated protein 1	KEAP1	ethyl oleate		SuperPred
175.	Stem cell growth factor receptor	KIT	hesperetin	Swiss Target	
176.	Kruppel-like factor 5	KLF5	ethyl oleate		SuperPred
177.	Kallikrein 1	KLK1	hesperetin	Swiss Target	
178.	Kallikrein 2	KLK2	hesperetin	Swiss Target	
179.	Kallikrein 5	KLK5	ethyl oleate		SuperPred
180.	Kallikrein 7	KLK7	ethyl oleate		SuperPred
181.	LIM domain kinase 1	LIMK1	ethyl oleate	Swiss Target	
182.	LIM domain kinase 2	LIMK2	ethyl oleate	Swiss Target	
183.	Cystinyl aminopeptidase	LNPEP	ethyl oleate		SuperPred
184.	Leukotriene B4 receptor 1	LTB4R	ethyl oleate	Swiss Target	
185.	Acyl-protein thioesterase 1	LYPLA1	ethyl oleate	Swiss Target	
186.	Acyl-protein thioesterase 2	LYPLA2	ethyl oleate	Swiss Target	
187.	Monoamine oxidase A	MAOA	fisetin, kaempferol, luteolin	Swiss Target	
188.	Monoamine oxidase B	MAOB	hesperetin	Swiss Target	
189.	Dual specificity mitogen-activated protein kinase kinase 2	MAP2K2	ethyl oleate		SuperPred

190.	Mitogen-activated protein kinase kinase kinase 4	MAP4K4	hesperetin	Swiss Target	
191.	c-Jun N-terminal kinase 1	MAPK8	ethyl oleate	Swiss Target	
192.	c-Jun N-terminal kinase 2	MAPK9	ethyl oleate	Swiss Target	SuperPred
193.	MAP kinase-activated protein kinase 2	MAPKAPK 2	hesperetin	Swiss Target	
194.	Microtubule-associated protein tau	MAPT	fisetin, kaempferol	Swiss Target	
195.	Melanin-concentrating hormone receptor 1	MCHR1	ethyl oleate	Swiss Target	
196.	Hepatocyte growth factor receptor	MET	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
197.	Methionine aminopeptidase 2	METAP2	ethyl oleate		SuperPred
198.	Monoglyceride lipase	MGLL	ethyl oleate	Swiss Target	
199.	Macrophage migration inhibitory factor	MIF	ethyl oleate		SuperPred
200.	Matrix metalloproteinase 12	MMP12	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
201.	Matrix metalloproteinase 13	MMP13	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
202.	Matrix metalloproteinase 2	MMP2	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
203.	Matrix metalloproteinase 3	MMP3	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
204.	Matrix metalloproteinase 8	MMP8	ethyl oleate, hesperetin	Swiss Target	SuperPred
205.	Matrix metalloproteinase 9	MMP9	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
206.	DNA-3-methyladenine glycosylase	MPG	fisetin, kaempferol	Swiss Target	
207.	Myeloperoxidase	MPO	fisetin, kaempferol, luteolin	Swiss Target	
208.	Myosin light chain kinase, smooth muscle	MYLK	fisetin	Swiss Target	
209.	N-acylsphingosine-amidohydrolase	NAAA	ethyl oleate	Swiss Target	
210.	Nicotinamide phosphoribosyltransferase	NAMPT	ethyl oleate		SuperPred
211.	Gamma-secretase	NCSTN	ethyl oleate	Swiss Target	
212.	Serine/threonine-protein kinase NEK2	NEK2	fisetin, kaempferol, luteolin	Swiss Target	
213.	Serine/threonine-protein kinase NEK6	NEK6	fisetin, kaempferol, luteolin	Swiss Target	
214.	Nuclear factor erythroid 2-related factor 2	NFE2L2	ethyl oleate		SuperPred
215.	Nuclear factor NF-kappa-B p105 subunit	NFKB1	catechin, ethyl oleate		SuperPred

216.	NACHT, LRR and PYD domains-containing protein 3	NLRP3	ethyl oleate	Swiss Target	
217.	Nitric-oxide synthase, brain	NOS1	ethyl oleate	Swiss Target	
218.	Nitric oxide synthase, inducible	NOS2	ethyl oleate	Swiss Target	SuperPred
219.	NADPH oxidase 4	NOX4	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
220.	Quinone reductase 2	NQO2	ethyl oleate		SuperPred
221.	LXR-beta	NR1H2	ethyl oleate	Swiss Target	
222.	LXR-alpha	NR1H3	ethyl oleate	Swiss Target	
223.	Pregnane X receptor	NR1I2	ethyl oleate		SuperPred
224.	Photoreceptor-specific nuclear receptor	NR2E3	ethyl oleate		SuperPred
225.	Glucocorticoid receptor	NR3C1	ethyl oleate	Swiss Target	
226.	Mineralocorticoid receptor	NR3C2	ethyl oleate	Swiss Target	
227.	Nuclear receptor subfamily 4 group A member 1	NR4A1	ethyl oleate		SuperPred
228.	Nerve growth factor receptor Trk-A	NTRK1	hesperetin	Swiss Target	
229.	NT-3 growth factor receptor	NTRK3	ethyl oleate		SuperPred
230.	Neurotensin receptor 2	NTSR2	ethyl oleate		SuperPred
231.	NUAK family SNF1-like kinase 1	NUAK1	fisetin, kaempferol, luteolin	Swiss Target	
232.	Ornithine decarboxylase	ODC1	hesperetin	Swiss Target	
233.	Purinergic receptor P2Y12	P2RY12	ethyl oleate	Swiss Target	SuperPred
234.	Poly [ADP-ribose] polymerase-1	PARP1	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
235.	Phosphodiesterase 10A	PDE10A	ethyl oleate	Swiss Target	
236.	Phosphodiesterase 3B	PDE3B	ethyl oleate		SuperPred
237.	Platelet-derived growth factor receptor alpha	PDGFRA	ethyl oleate		SuperPred
238.	Platelet-derived growth factor receptor beta	PDGFRB	ethyl oleate, hesperetin	Swiss Target	SuperPred
239.	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	ethyl oleate	Swiss Target	
240.	6-phosphogluconate dehydrogenase	PGD	hesperetin	Swiss Target	
241.	Progesterone receptor	PGR	ethyl oleate	Swiss Target	
242.	PI3-kinase p110-alpha subunit	PIK3CA	ethyl oleate		SuperPred

243.	PI3-kinase p110-beta subunit	PIK3CB	ethyl oleate		SuperPred
244.	PI3-kinase p110-delta subunit	PIK3CD	ethyl oleate	Swiss Target	SuperPred
245.	PI3-kinase p110-gamma subunit	PIK3CG	ethyl oleate, fisetin	Swiss Target	SuperPred
246.	PI3-kinase p110-alpha/p85-alpha	PIK3R1	ethyl oleate, fisetin, kaempferol, luteolin	Swiss Target	SuperPred
247.	Serine/threonine-protein kinase PIM1	PIM1	fisetin, hesperetin	Swiss Target	
248.	Serine/threonine-protein kinase PIM2	PIM2	hesperetin	Swiss Target	
249.	Serine/threonine-protein kinase PIM3	PIM3	hesperetin	Swiss Target	
250.	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	PIN1	ethyl oleate	Swiss Target	
251.	Protein kinase N1	PKN1	fisetin, kaempferol, luteolin	Swiss Target	
252.	Group X secretory phospholipase A2	PLA2G10	hesperetin	Swiss Target	
253.	Phospholipase A2 group 1B	PLA2G1B	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
254.	Phospholipase A2 group IIA	PLA2G2A	ethyl oleate, hesperetin	Swiss Target	SuperPred
255.	Cytosolic phospholipase A2	PLA2G4A	ethyl oleate	Swiss Target	
256.	Phospholipase A2 group V	PLA2G5	hesperetin	Swiss Target	
257.	Plasminogen	PLG	hesperetin, luteolin	Swiss Target	
258.	Serine/threonine-protein kinase PLK1	PLK1	fisetin, kaempferol, luteolin	Swiss Target	
259.	Purine nucleoside phosphorylase	PNP	hesperetin	Swiss Target	
260.	DNA polymerase alpha subunit	POLA1	ethyl oleate	Swiss Target	
261.	DNA polymerase beta	POLB	hesperetin	Swiss Target	
262.	Peroxisome proliferator-activated receptor alpha	PPARA	ethyl oleate	Swiss Target	
263.	Peroxisome proliferator-activated receptor delta	PPARD	ethyl oleate	Swiss Target	
264.	Peroxisome proliferator-activated receptor gamma	PPARG	ethyl oleate, hesperetin	Swiss Target	
265.	Protein kinase C alpha	PRKCA	ethyl oleate	Swiss Target	SuperPred
266.	Protein kinase C delta	PRKCD	ethyl oleate	Swiss Target	SuperPred
267.	Protein kinase C eta	PRKCH	ethyl oleate	Swiss Target	
268.	Protein kinase C theta	PRKCC	ethyl oleate	Swiss Target	
269.	Protein-arginine N-methyltransferase 1	PRMT1	hesperetin	Swiss Target	

270.	Presenilin 1	PSEN1	ethyl oleate	Swiss Target	
271.	Presenilin 2	PSEN2	ethyl oleate	Swiss Target	
272.	Presenilin Enhancer, Gamma-Secretase Subunit	PSENEN	ethyl oleate	Swiss Target	
273.	Proteasome subunit beta type-9	PSMB9	ethyl oleate		SuperPred
274.	Prostanoid EP1 receptor	PTGER1	ethyl oleate		SuperPred
275.	Prostanoid EP2 receptor	PTGER2	ethyl oleate	Swiss Target	
276.	Prostaglandin E synthase	PTGES	ethyl oleate	Swiss Target	
277.	Prostanoid IP receptor	PTGIR	ethyl oleate	Swiss Target	
278.	Cyclooxygenase-1	PTGS1	ethyl oleate, hesperetin	Swiss Target	SuperPred
279.	Cyclooxygenase-2	PTGS2	ethyl oleate, kaempferol, luteolin	Swiss Target	SuperPred
280.	Focal adhesion kinase 1	PTK2	fisetin, kaempferol, luteolin	Swiss Target	
281.	Protein-tyrosine phosphatase 1B	PTPN1	ethyl oleate	Swiss Target	SuperPred
282.	Protein-tyrosine phosphatase 2C	PTPN11	ethyl oleate		SuperPred
283.	Protein-tyrosine phosphatase 1E	PTPN13	ethyl oleate	Swiss Target	
284.	T-cell protein-tyrosine phosphatase	PTPN2	ethyl oleate	Swiss Target	SuperPred
285.	Protein-tyrosine phosphatase 1C	PTPN6	ethyl oleate	Swiss Target	
286.	Leukocyte common antigen	PTPRC	ethyl oleate	Swiss Target	
287.	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	ethyl oleate	Swiss Target	
288.	Receptor-type tyrosine-protein phosphatase S	PTPRS	fisetin, kaempferol, luteolin	Swiss Target	
289.	Liver glycogen phosphorylase	PYGL	fisetin, kaempferol, luteolin	Swiss Target	
290.	Serine/threonine-protein kinase RAF	RAF1	ethyl oleate, hesperetin	Swiss Target	
291.	Rho-associated protein kinase 1	ROCK1	ethyl oleate	Swiss Target	
292.	Rho-associated protein kinase 2	ROCK2	ethyl oleate	Swiss Target	
293.	Nuclear receptor ROR-beta	RORB	ethyl oleate		SuperPred
294.	Ribosomal protein S6 kinase alpha 5	RPS6KA5	ethyl oleate		SuperPred
295.	Relaxin receptor 1	RXFP1	ethyl oleate		SuperPred
296.	Retinoid X receptor alpha	RXRA	hesperetin	Swiss Target	
297.	Retinoid X receptor beta	RXRB	ethyl oleate		SuperPred

298.	Sphingosine 1-phosphate receptor Edg-5	S1PR2	ethyl oleate		SuperPred
299.	Sphingosine 1-phosphate receptor Edg-3	S1PR3	ethyl oleate		SuperPred
300.	Sphingosine 1-phosphate receptor Edg-8	S1PR5	ethyl oleate		SuperPred
301.	Acyl-CoA desaturase	SCD	ethyl oleate	Swiss Target	
302.	Sodium channel protein type II alpha subunit	SCN2A	ethyl oleate		SuperPred
303.	Sodium channel protein type III alpha subunit	SCN3A	ethyl oleate		SuperPred
304.	Sodium channel protein type IV alpha subunit	SCN4A	ethyl oleate		SuperPred
305.	Corticosteroid binding globulin	SERPINA6	ethyl oleate	Swiss Target	
306.	Plasminogen activator inhibitor 1	SERPINE1	hesperetin	Swiss Target	SuperPred
307.	Testis-specific androgen-binding protein	SHBG	ethyl oleate, hesperetin	Swiss Target	
308.	Solute carrier family 22 member 12	SLC22A12	fisetin, kaempferol	Swiss Target	
309.	Solute carrier family 40 member 1	SLC40A1	ethyl oleate		SuperPred
310.	Sodium/glucose cotransporter 2	SLC5A2	hesperetin	Swiss Target	
311.	Glycine transporter 2	SLC6A5	ethyl oleate		SuperPred
312.	Sodium/hydrogen exchanger 1	SLC9A1	ethyl oleate		SuperPred
313.	Acyl coenzyme A: cholesterol acyltransferase 1	SOAT1	ethyl oleate	Swiss Target	
314.	Acyl coenzyme A: cholesterol acyltransferase 2	SOAT2	ethyl oleate	Swiss Target	
315.	Squalene monooxygenase	SQLE	hesperetin	Swiss Target	
316.	Tyrosine-protein kinase SRC	SRC	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
317.	CMP-N-acetylneuramate-beta-1,4-galactoside alpha-2,3-sialyltransferase	ST3GAL3	hesperetin	Swiss Target	
318.	Signal transducer and activator of transcription 1-alpha/beta	STAT1	hesperetin	Swiss Target	SuperPred
319.	Tyrosine-protein kinase SYK	SYK	fisetin, kaempferol, luteolin	Swiss Target	
320.	Neurokinin 2 receptor	TACR2	ethyl oleate	Swiss Target	
321.	Neurokinin 3 receptor	TACR3	ethyl oleate	Swiss Target	
322.	Serine/threonine-protein kinase TAO1	TAOK1	ethyl oleate		SuperPred
323.	Serine/threonine-protein kinase TAO3	TAOK3	ethyl oleate		SuperPred
324.	Taste receptor type 2 member 31	TAS2R31	ethyl oleate, hesperetin	Swiss Target	



325.	Tyrosyl-DNA phosphodiesterase 1	TDP1	ethyl oleate		SuperPred
326.	Telomerase reverse transcriptase	TERT	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
327.	Toll-like receptor 4	TLR4	ethyl oleate		SuperPred
328.	Tankyrase-1	TNKS	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
329.	Tankyrase-2	TNKS2	fisetin, hesperetin, kaempferol, luteolin	Swiss Target	
330.	DNA topoisomerase I	TOP1	ethyl oleate, fisetin, hesperetin, kaempferol, luteolin	Swiss Target	SuperPred
331.	DNA topoisomerase II alpha	TOP2A	ethyl oleate, fisetin		
332.	Transcription intermediary factor 1-alpha	TRIM24	ethyl oleate	,	SuperPred
333.	Transthyretin	TTR	fisetin, kaempferol, luteolin	Swiss Target	SuperPred
334.	Tyrosinase	TYR	fisetin, kaempferol, luteolin	Swiss Target	
335.	Vascular endothelial growth factor receptor 2	VEGFR2	ethyl oleate		SuperPred
336.	Xanthine dehydrogenase	XDH	fisetin, kaempferol, luteolin	Swiss Target	

**Supplementary Table S3: Target genes of Atherosclerosis**

No	Target	Common name	Database 1	Database 2	Database 3
1	APOBEC1 Complementation Factor	A1CF		GeneCard	
2	Alpha-2-Macroglobulin	A2M		GeneCard	DisGenet
3	Aortic aneurysm, familial abdominal 1	AAA1			DisGenet
4	Aladin WD repeat nucleoporin	AAAS			DisGenet
5	AP2 Associated Kinase 1	AAK1		GeneCard	
6	Angio Associated Migratory Cell Protein	AAMP		GeneCard	
7	Aortic Aneurysm, Familial Thoracic 1	AAT1		GeneCard	
8	Aortic Aneurysm, Familial Thoracic 2	AAT2		GeneCard	
9	Adeno-Associated Virus Integration Site 1	AAVS1		GeneCard	
10	4-Aminobutyrate Aminotransferase	ABAT		GeneCard	
11	ATP Binding Cassette Subfamily A Member 1	ABCA1	OMIM	GeneCard	DisGenet
12	ATP Binding Cassette Subfamily A Member 12	ABCA12		GeneCard	DisGenet
13	ATP Binding Cassette Subfamily A Member 13	ABCA13		GeneCard	
14	ATP Binding Cassette Subfamily A Member 2	ABCA2		GeneCard	
15	ATP Binding Cassette Subfamily A Member 3	ABCA3		GeneCard	
16	ATP Binding Cassette Subfamily A Member 4	ABCA4		GeneCard	DisGenet
17	ATP Binding Cassette Subfamily A Member 5	ABCA5		GeneCard	
18	ATP Binding Cassette Subfamily A Member 7	ABCA7		GeneCard	
19	ATP Binding Cassette Subfamily A Member 8	ABCA8		GeneCard	
20	ATP Binding Cassette Subfamily B Member 1	ABCB1		GeneCard	
21	ATP Binding Cassette Subfamily B Member 11	ABCB11		GeneCard	
22	ATP Binding Cassette Subfamily B Member 4	ABCB4		GeneCard	
23	ATP Binding Cassette Subfamily B member 6 (Langereis blood group)	ABCB6			DisGenet
24	ATP Binding Cassette Subfamily C Member 1	ABCC1		GeneCard	DisGenet

25	ATP Binding cassette Subfamily C member 11	ABCC11			DisGenet
26	ATP Binding Cassette Subfamily C Member 2	ABCC2		GeneCard	
27	ATP Binding Cassette Subfamily C Member 6	ABCC6		GeneCard	DisGenet
28	ATP Binding Cassette Subfamily C Member 8	ABCC8		GeneCard	DisGenet
29	ATP Binding Cassette Subfamily C Member 9	ABCC9		GeneCard	
30	ATP Binding Cassette Subfamily D Member 1	ABCD1		GeneCard	DisGenet
31	ATP Binding Cassette Subfamily G Member 1	ABCG1		GeneCard	DisGenet
32	ATP Binding Cassette Subfamily G Member 2 (Junior Blood Group)	ABCG2		GeneCard	DisGenet
33	ATP Binding Cassette Subfamily G Member 4	ABCG4		GeneCard	
34	ATP-Binding Cassette, Subfamily G, member 5	ABCG5	OMIM	GeneCard	DisGenet
35	ATP-Binding Cassette, Subfamily G, member 8	ABCG8	OMIM	GeneCard	DisGenet
36	Abhydrolase Domain Containing 2	ABHD2			DisGenet
37	Abhydrolase Domain Containing 5, Lysophosphatidic Acid Acyltransferase	ABHD5		GeneCard	
38	Abl Interactor 1	ABI1		GeneCard	DisGenet
39	Abl Interactor 2	ABI2		GeneCard	DisGenet
40	ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase	ABL1		GeneCard	
41	ABO, Alpha 1-3-N-Acetylgalactosaminyltransferase and Alpha 1-3-Galactosyltransferase	ABO		GeneCard	DisGenet
42	ABR activator of RhoGEF and GTPase	ABR			DisGenet
43	Abraxas 2, BRISC Complex Subunit	ABRAXAS2		GeneCard	
44	Acetyl-CoA Carboxylase Alpha	ACACA		GeneCard	DisGenet
45	Acyl-CoA Dehydrogenase Family Member 8	ACAD8		GeneCard	
46	Acyl-CoA Dehydrogenase Very Long Chain	ACADVL		GeneCard	
47	AggreCAN	ACAN		GeneCard	DisGenet
48	Acetyl-Coenzyme A acetyltransferase-1 (acetoacetyl Coenzyme A thiolase)	ACAT1	OMIM	GeneCard	DisGenet
49	Acetyl-CoA Acetyltransferase 2	ACAT2		GeneCard	
50	Acyl-CoA Binding Domain Containing 3	ACBD3		GeneCard	
51	1-aminocyclopropane-1-carboxylate synthase homolog (inactive)	ACCS			DisGenet
52	Angiotensin I Converting Enzyme	ACE		GeneCard	DisGenet
53	Angiotensin Converting Enzyme 2	ACE2		GeneCard	DisGenet

54	Alkaline Ceramidase 2	ACER2			DisGenet
55	Acetylcholinesterase (Cartwright Blood Group)	ACHE		GeneCard	
56	Atypical Chemokine Receptor 1 (Duffy Blood Group)	ACKR1		GeneCard	DisGenet
57	Atypical Chemokine Receptor 2	ACKR2		GeneCard	
58	Atypical Chemokine Receptor 3	ACKR3		GeneCard	DisGenet
59	Atypical Chemokine Receptor 4	ACKR4		GeneCard	
60	ATP Citrate Lyase	ACLY			DisGenet
61	Aconitase 2	ACO2		GeneCard	
62	Acyl-CoA Thioesterase 7	ACOT7			DisGenet
63	Acid Phosphatase 1	ACP1		GeneCard	DisGenet
64	Acid phosphatase 3	ACP3			DisGenet
65	Acid Phosphatase 5, Tartrate Resistant	ACP5		GeneCard	DisGenet
66	Acid Phosphatase 6, Lysophosphatidic	ACP6		GeneCard	
67	Acyl-CoA Synthetase Long Chain Family Member 1	ACSL1		GeneCard	DisGenet
68	Acyl-CoA Synthetase Long Chain Family Member 3	ACSL3		GeneCard	
69	Acyl-CoA Synthetase Long Chain Family Member 4	ACSL4		GeneCard	
70	Acyl-CoA Synthetase Long Chain Family Member 6	ACSL6		GeneCard	
71	Acyl-CoA Synthetase Medium Chain Family Member 2B	ACSM2B		GeneCard	
72	Acyl-CoA Synthetase Short Chain Family Member 2	ACSS2		GeneCard	DisGenet
73	Actin Alpha 1, Skeletal Muscle	ACTA1		GeneCard	
74	Actin Alpha 2, Smooth Muscle	ACTA2		GeneCard	DisGenet
75	ACTA2 Antisense RNA 1	ACTA2-AS1		GeneCard	
76	Actin Beta	ACTB		GeneCard	DisGenet
77	Actin Alpha Cardiac Muscle 1	ACTC1		GeneCard	
78	Actin Gamma 1	ACTG1		GeneCard	
79	Actin Gamma 2, Smooth Muscle	ACTG2		GeneCard	
80	Actinin Alpha 1	ACTN1		GeneCard	
81	Actinin Alpha 2	ACTN2		GeneCard	
82	Actinin Alpha 4	ACTN4		GeneCard	

83	Actin-related protein T1	ACTRT1			DisGenet
84	Activin A Receptor Type 1	ACVR1		GeneCard	
85	Activin A Receptor Type 2A	ACVR2A		GeneCard	
86	Activin A Receptor Like Type 1	ACVRL1		GeneCard	
87	Aminoacylase 3	ACY3		GeneCard	
88	Adenosine Deaminase	ADA		GeneCard	DisGenet
89	Adenosine Deaminase 2	ADA2		GeneCard	
90	ADAM Metallopeptidase Domain 10	ADAM10		GeneCard	DisGenet
91	ADAM Metallopeptidase Domain 12	ADAM12		GeneCard	DisGenet
92	ADAM metallopeptidase domain 15	ADAM15	OMIM	GeneCard	DisGenet
93	ADAM Metallopeptidase Domain 17	ADAM17		GeneCard	DisGenet
94	ADAM Metallopeptidase Domain 19	ADAM19		GeneCard	
95	ADAM Metallopeptidase Domain 2	ADAM2		GeneCard	
96	ADAM Metallopeptidase Domain 28	ADAM28		GeneCard	
97	ADAM Metallopeptidase Domain 33	ADAM33		GeneCard	DisGenet
98	ADAM Metallopeptidase Domain 3B (Pseudogene)	ADAM3B		GeneCard	
99	ADAM Metallopeptidase Domain 8	ADAM8		GeneCard	DisGenet
100	ADAM Metallopeptidase Domain 9	ADAM9		GeneCard	DisGenet
101	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 1	ADAMTS1		GeneCard	DisGenet
102	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 10	ADAMTS10		GeneCard	
103	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 12	ADAMTS12		GeneCard	
104	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 13	ADAMTS13		GeneCard	DisGenet
105	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 14	ADAMTS14		GeneCard	
106	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 17	ADAMTS17		GeneCard	
107	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 18	ADAMTS18		GeneCard	DisGenet
108	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 19	ADAMTS19		GeneCard	
109	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 3	ADAMTS3		GeneCard	DisGenet
110	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 4	ADAMTS4		GeneCard	DisGenet
111	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 5	ADAMTS5		GeneCard	DisGenet

112	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 6	ADAMTS6		GeneCard	
113	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 7	ADAMTS7		GeneCard	DisGenet
114	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 8	ADAMTS8		GeneCard	
115	ADAM Metallopeptidase with Thrombospondin Type 1 Motif 9	ADAMTS9		GeneCard	
116	ADAMTS Like 1	ADAMTSL1		GeneCard	
117	ADAMTS Like 2	ADAMTSL2		GeneCard	
118	ADAMTS Like 4	ADAMTSL4		GeneCard	
119	Adenosine Deaminase RNA Specific	ADAR		GeneCard	
120	Adenosine Deaminase RNA Specific B2 (Inactive)	ADARB2		GeneCard	
121	Adenylate Cyclase 1	ADCY1		GeneCard	
122	Adenylate Cyclase 10	ADCY10		GeneCard	DisGenet
123	Adenylate Cyclase 8	ADCY8			DisGenet
124	Adenylate Cyclase 9	ADCY9		GeneCard	DisGenet
125	Adenylate Cyclase Activating Polypeptide 1	ADCYAP1		GeneCard	DisGenet
126	Adducin 1	ADD1		GeneCard	DisGenet
127	Adhesion G protein-Coupled Receptor A2	ADGRA2			DisGenet
128	Adhesion G Protein-Coupled Receptor E1	ADGRE1		GeneCard	
129	Adhesion G Protein-Coupled Receptor E2	ADGRE2		GeneCard	
130	Adhesion G Protein-Coupled Receptor E3	ADGRE3		GeneCard	
131	Adhesion G Protein-Coupled Receptor E5	ADGRE5		GeneCard	
132	Adhesion G Protein-Coupled Receptor G6	ADGRG6		GeneCard	
133	Adhesion G Protein-Coupled Receptor L2	ADGRL2		GeneCard	
134	Alcohol Dehydrogenase 1B (Class I), Beta Polypeptide	ADH1B		GeneCard	
135	Alcohol Dehydrogenase 1C (Class I), Gamma Polypeptide	ADH1C		GeneCard	
136	Alcohol Dehydrogenase 4 (Class II), Pi Polypeptide	ADH4		GeneCard	
137	Alcohol Dehydrogenase 5 (class III), Chi polypeptide	ADH5			DisGenet
138	Alcohol Dehydrogenase 7 (Class IV), Mu or Sigma Polypeptide	ADH7		GeneCard	
139	Adipocyte-, C1q-, and collagen domain-containing	ADIPOQ	OMIM	GeneCard	DisGenet
140	ADIPOQ Antisense RNA 1	ADIPOQ-AS1		GeneCard	

141	Adiponectin Receptor 1	ADIPOR1		GeneCard	DisGenet
142	Adiponectin Receptor 2	ADIPOR2		GeneCard	DisGenet
143	Adenosine Kinase	ADK			DisGenet
144	Adrenomedullin	ADM		GeneCard	DisGenet
145	Adrenomedullin 2	ADM2		GeneCard	
146	Adenosine A1 Receptor	ADORA1		GeneCard	
147	Adenosine A2a Receptor	ADORA2A		GeneCard	
148	Adenosine A2b Receptor	ADORA2B		GeneCard	
149	ADP-Ribosylarginine Hydrolase	ADPRH		GeneCard	
150	Adrenoceptor Alpha 1A	ADRA1A			DisGenet
151	Adrenoceptor Alpha 1B	ADRA1B	OMIM	GeneCard	
152	Adrenoceptor Alpha 1D	ADRA1D		GeneCard	
153	Adrenoceptor Alpha 2A	ADRA2A		GeneCard	
154	Adrenoceptor Alpha 2B	ADRA2B		GeneCard	DisGenet
155	Adrenoceptor Alpha 2C	ADRA2C		GeneCard	
156	Adrenoceptor Beta 1	ADRB1		GeneCard	
157	Adrenoceptor Beta 2	ADRB2		GeneCard	DisGenet
158	Adrenoceptor Beta 3	ADRB3		GeneCard	DisGenet
159	Adenylosuccinate Lyase	ADSL		GeneCard	
160	Androgen Dependent TFPI Regulating Protein	ADTRP		GeneCard	DisGenet
161	AE Binding Protein 1	AEBP1		GeneCard	
162	Afadin, Adherens Junction Formation Factor	AFDN		GeneCard	
163	AF4/FMR2 Family Member 2	AFF2		GeneCard	
164	AF4/FMR2 Family Member 3	AFF3		GeneCard	
165	Alpha Fetoprotein	AFP		GeneCard	
166	ArfGAP With GTPase Domain, Ankyrin Repeat and PH Domain 3	AGAP3		GeneCard	
167	AGBL Carboxypeptidase 1	AGBL1		GeneCard	
168	Advanced Glycosylation End-Product Specific Receptor	AGER		GeneCard	DisGenet
169	Angiogenic Factor With G-Patch and FHA Domains 1	AGGF1		GeneCard	

170	Acylglycerol Kinase	AGK		GeneCard	
171	Amylo-Alpha-1, 6-Glucosidase, 4-Alpha-Glucanotransferase	AGL		GeneCard	
172	1-Acylglycerol-3-Phosphate O-Acyltransferase 1	AGPAT1		GeneCard	
173	1-Acylglycerol-3-Phosphate O-Acyltransferase 2	AGPAT2		GeneCard	DisGenet
174	Agouti related neuropeptide	AGRP			DisGenet
175	Angiotensinogen	AGT		GeneCard	DisGenet
176	Angiotensin Receptor 1	AGTR1	OMIM	GeneCard	DisGenet
177	Angiotensin II Receptor Type 2	AGTR2		GeneCard	DisGenet
178	Angiotensin II Receptor Associated Protein	AGTRAP		GeneCard	
179	Alanine-Glyoxylate and Serine-Pyruvate Aminotransferase	AGXT		GeneCard	DisGenet
180	Alanine-Glyoxylate Aminotransferase 2	AGXT2		GeneCard	DisGenet
181	Adenosylhomocysteinase	AHCY		GeneCard	DisGenet
182	Aryl Hydrocarbon Receptor	AHR		GeneCard	DisGenet
183	Aryl Hydrocarbon Receptor Repressor	AHRR		GeneCard	DisGenet
184	Activator of HSP90 ATPase Activity 1	AHSA1			DisGenet
185	Alpha-2HS-glycoprotein	AHSG	OMIM	GeneCard	DisGenet
186	Alpha Hemoglobin Stabilizing Protein	AHSP		GeneCard	
187	Axin Interactor, Dorsalization Associated	AIDA		GeneCard	
188	Allograft Inflammatory Factor 1	AIF1		GeneCard	DisGenet
189	Apoptosis Inducing Factor Mitochondria Associated 1	AIFM1		GeneCard	
190	Absent In Melanoma 2	AIM2		GeneCard	DisGenet
191	Aminoacyl tRNA Synthetase Complex Interacting Multifunctional Protein 1	AIMP1		GeneCard	DisGenet
192	Aminoacyl tRNA Synthetase Complex Interacting Multifunctional Protein 2	AIMP2			DisGenet
193	Aryl Hydrocarbon Receptor Interacting Protein Like 1	AIPL1		GeneCard	
194	Autoimmune Regulator	AIRE		GeneCard	
195	A-Kinase Anchoring Protein 12	AKAP12		GeneCard	DisGenet
196	A-Kinase Anchoring Protein 7	AKAP7		GeneCard	
197	A-Kinase Anchoring Protein 9	AKAP9		GeneCard	
198	AKNA Domain Containing 1	AKNAD1		GeneCard	



199	Aldo-Keto Reductase Family 1 Member A1	AKR1A1		GeneCard	
200	Aldo-Keto Reductase Family 1 Member B	AKR1B1		GeneCard	DisGenet
201	Aldo-Keto Reductase Family 1 Member B10	AKR1B10		GeneCard	DisGenet
202	Aldo-Keto Reductase Family 1 Member C4	AKR1C4		GeneCard	
203	AKT Serine/Threonine Kinase 1	AKT1		GeneCard	DisGenet
204	AKT1 Substrate 1	AKT1S1		GeneCard	DisGenet
205	AKT Serine/Threonine Kinase 2	AKT2		GeneCard	DisGenet
206	AKT Serine/Threonine Kinase 3	AKT3		GeneCard	DisGenet
207	Albumin	ALB	OMIM	GeneCard	DisGenet
208	Activated Leukocyte Cell Adhesion Molecule	ALCAM		GeneCard	DisGenet
209	Aldehyde Dehydrogenase 2 Family Member	ALDH2		GeneCard	DisGenet
210	Aldehyde Dehydrogenase 4 Family Member A1	ALDH4A1		GeneCard	
211	Aldehyde Dehydrogenase 8 Family Member A1	ALDH8A1		GeneCard	
212	Aldehyde Dehydrogenase 9 Family Member A1	ALDH9A1		GeneCard	
213	ALG6 Alpha-1,3-Glucosyltransferase	ALG6		GeneCard	
214	ALK Receptor Tyrosine Kinase	ALK		GeneCard	
215	ALKB Homolog 1, Histone H2A Dioxygenase	ALKBH1			DisGenet
216	ALMS1 centrosome and basal body associated protein	ALMS1	OMIM	GeneCard	DisGenet
217	ALMS1 Pseudogene 1	ALMS1P1		GeneCard	
218	Arachidonate 12-Lipoxygenase, 12S Type	ALOX12		GeneCard	DisGenet
219	Arachidonate 15-Lipoxygenase	ALOX15		GeneCard	DisGenet
220	Arachidonate 15-Lipoxygenase Type B	ALOX15B		GeneCard	DisGenet
221	Arachidonate 5-Lipoxygenase	ALOX5	OMIM	GeneCard	DisGenet
222	Arachidonate 5-Lipoxygenase-Activating Protein	ALOX5AP	OMIM	GeneCard	DisGenet
223	Alpha Kinase 3	ALPK3		GeneCard	
224	Alkaline Phosphatase, Biom mineralization Associated	ALPL		GeneCard	DisGenet
225	Alkaline Phosphatase, Placental	ALPP		GeneCard	
226	Aly/REF Export Factor	ALYREF		GeneCard	
227	Alpha-1-Microglobulin/Bikunin Precursor	AMBP		GeneCard	

228	Autocrine Motility Factor Receptor	AMFR		GeneCard	
229	Anti-Mullerian Hormone	AMH		GeneCard	DisGenet
230	Anti-Mullerian Hormone Receptor Type 2	AMHR2		GeneCard	
231	Amnion Associated Transmembrane Protein	AMN		GeneCard	
232	Angiomotin	AMOT		GeneCard	DisGenet
233	Adenosine Monophosphate Deaminase 1	AMPD1		GeneCard	
234	Adenosine Monophosphate Deaminase 2	AMPD2		GeneCard	
235	Anaphase Promoting Complex Subunit 16	ANAPC16		GeneCard	
236	Angiogenin	ANG		GeneCard	
237	Angiopoietin 1	ANGPT1		GeneCard	DisGenet
238	Angiopoietin 2	ANGPT2		GeneCard	DisGenet
239	Angiopoietin Like 1	ANGPTL1		GeneCard	
240	Angiopoietin Like 2	ANGPTL2		GeneCard	DisGenet
241	Angiopoietin Like 3	ANGPTL3	OMIM	GeneCard	DisGenet
242	Angiopoietin Like 4	ANGPTL4		GeneCard	DisGenet
243	Angiopoietin Like 5	ANGPTL5		GeneCard	
244	Angiopoietin Like 6	ANGPTL6		GeneCard	DisGenet
245	Angiopoietin Like 7	ANGPTL7		GeneCard	
246	Angiopoietin Like 8	ANGPTL8		GeneCard	DisGenet
247	Ankyrin 1	ANK1		GeneCard	
248	Ankyrin 2	ANK2		GeneCard	
249	Ankyrin 3	ANK3		GeneCard	
250	ANKH Inorganic Pyrophosphate Transport Regulator	ANKH		GeneCard	
251	Ankyrin Repeat Domain-Containing Protein 1	ANKRD1	OMIM	GeneCard	
252	Ankyrin Repeat Domain 2	ANKRD2		GeneCard	
253	Ankyrin Repeat Domain 23	ANKRD23		GeneCard	
254	Ankyrin Repeat Domain 30A	ANKRD30A		GeneCard	
255	Ankyrin Repeat Domain 6	ANKRD6		GeneCard	
256	Ankyrin Repeat and Sterile Alpha Motif Domain Containing 1B	ANKS1B			DisGenet

257	Anillin, Actin Binding Protein	ANLN		GeneCard	
258	Anoctamin 5	ANO5		GeneCard	
259	Anoctamin 6	ANO6		GeneCard	
260	Alanyl Aminopeptidase, Membrane	ANPEP		GeneCard	DisGenet
261	ANTXR Cell Adhesion Molecule 1	ANTXR1		GeneCard	DisGenet
262	ANTXR Cell Adhesion Molecule 2	ANTXR2		GeneCard	
263	Annexin A1	ANXA1		GeneCard	DisGenet
264	Annexin A10	ANXA10		GeneCard	
265	Annexin A2	ANXA2		GeneCard	DisGenet
266	Annexin A5	ANXA5		GeneCard	DisGenet
267	Annexin A6	ANXA6		GeneCard	
268	Amine Oxidase Copper Containing 1	AOC1		GeneCard	
269	Amine Oxidase Copper Containing 2	AOC2			DisGenet
270	Amine Oxidase Copper Containing 3	AOC3		GeneCard	DisGenet
271	Adaptor Related Protein Complex 1 Subunit Beta 1	AP1B1		GeneCard	
272	Adaptor Related Protein Complex 2 Subunit Alpha 1	AP2A1			DisGenet
273	Adaptor Related Protein Complex 2 Subunit Beta 1	AP2B1		GeneCard	
274	Adaptor Related Protein Complex 3 Subunit Beta 1	AP3B1		GeneCard	
275	Adaptor Related Protein Complex 3 Subunit Delta 1	AP3D1		GeneCard	
276	Adaptor Related Protein Complex 3 Subunit Sigma 2	AP3S2		GeneCard	
277	AP4B1 Antisense RNA 1	AP4B1-AS1		GeneCard	
278	Amyloid Beta Precursor Protein Binding Family B Member 1	APBB1		GeneCard	
279	Amyloid Beta Precursor Protein Binding Family B Member 2	APBB2		GeneCard	
280	APC Regulator of WNT Signaling Pathway	APC		GeneCard	DisGenet
281	APC Down-Regulated 1	APCDD1		GeneCard	
282	Amyloid P Component, Serum	APCS		GeneCard	DisGenet
283	Acylaminoacyl-Peptide Hydrolase	APEH		GeneCard	
284	Apurinic/Apyrimidinic Endodeoxyribonuclease 1	APEX1		GeneCard	DisGenet
285	Aph-1 Homolog B, Gamma-Secretase Subunit	APH1B		GeneCard	

286	Apelin	APLN		GeneCard	DisGenet
287	Apelin Receptor	APLNR		GeneCard	DisGenet
288	Apolipoprotein A-I	APOA1	OMIM	GeneCard	DisGenet
289	APOA1 Antisense RNA	APOA1-AS		GeneCard	DisGenet
290	Apolipoprotein A-II	APOA2	OMIM	GeneCard	DisGenet
291	Apolipoprotein A-IV	APOA4	OMIM	GeneCard	DisGenet
292	Apolipoprotein A-V	APOA5	OMIM	GeneCard	DisGenet
293	Apolipoprotein B (including Ag(x) antigen)	APOB	OMIM	GeneCard	DisGenet
294	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 1	APOBEC1		GeneCard	DisGenet
295	Apolipoprotein B Receptor	APOBR		GeneCard	DisGenet
296	Apolipoprotein C1	APOC1		GeneCard	DisGenet
297	Apolipoprotein C2	APOC2		GeneCard	DisGenet
298	Apolipoprotein C-III	APOC3	OMIM	GeneCard	DisGenet
299	Apolipoprotein C4	APOC4		GeneCard	
300	APOC4-APOC2 (NMD Candidate)	APOC4-APOC2		GeneCard	
301	Apolipoprotein D	APOD		GeneCard	
302	Apolipoprotein E	APOE		GeneCard	DisGenet
303	Apolipoprotein F	APOF		GeneCard	
304	Apolipoprotein H	APOH		GeneCard	DisGenet
305	Apolipoprotein L1	APOL1		GeneCard	DisGenet
306	Apolipoprotein L2	APOL2		GeneCard	
307	Apolipoprotein L3	APOL3		GeneCard	
308	Apolipoprotein L4	APOL4		GeneCard	
309	Apolipoprotein L5	APOL5		GeneCard	
310	Apolipoprotein L6	APOL6		GeneCard	DisGenet
311	Apolipoprotein M	APOM	OMIM	GeneCard	
312	Apolipoprotein O Pseudogene 1	APOOP1		GeneCard	
313	Amyloid Beta Precursor Protein	APP		GeneCard	DisGenet
314	Adaptor Protein, Phosphotyrosine Interacting with PH Domain and Leucine Zipper 1	APPL1			DisGenet

315	Adenine Phosphoribosyltransferase	APRT		GeneCard	DisGenet
316	Aprataxin	APTX		GeneCard	
317	Aquaporin 1 (Colton Blood Group)	AQP1		GeneCard	DisGenet
318	Aquaporin 7	AQP7		GeneCard	
319	Aquaporin 9	AQP9		GeneCard	
320	Androgen Receptor	AR		GeneCard	DisGenet
321	ADP Ribosylation Factor 1	ARF1		GeneCard	
322	ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 1	ARFGEF1		GeneCard	
323	ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 2	ARFGEF2		GeneCard	
324	Arginase 1	ARG1		GeneCard	DisGenet
325	Arginase 2	ARG2		GeneCard	
326	Rho GTPase Activating Protein 18	ARHGAP18		GeneCard	DisGenet
327	Rho GTPase Activating Protein 20	ARHGAP20		GeneCard	
328	Rho GTPase Activating Protein 24	ARHGAP24			DisGenet
329	Rho Guanine Nucleotide Exchange Factor 1	ARHGEF1			DisGenet
330	Rho Guanine Nucleotide Exchange Factor 10	ARHGEF10		GeneCard	
331	Rho/Rac Guanine Nucleotide Exchange Factor 2	ARHGEF2			DisGenet
332	Rho Guanine Nucleotide Exchange Factor 26	ARHGEF26			DisGenet
333	Rho Guanine Nucleotide Exchange Factor 28	ARHGEF28			DisGenet
334	Rho Guanine Nucleotide Exchange Factor 38	ARHGEF38		GeneCard	
335	Rho Guanine Nucleotide Exchange Factor 5	ARHGEF5			DisGenet
336	AT-Rich Interaction Domain 5B	ARID5B		GeneCard	DisGenet
337	Ariadne RBR E3 Ubiquitin Protein Ligase 1	ARIH1		GeneCard	
338	ADP Ribosylation Factor Like GTPase 13B	ARL13B		GeneCard	
339	ADP Ribosylation Factor Like GTPase 15	ARL15		GeneCard	
340	ADP Ribosylation Factor Like GTPase 6	ARL6		GeneCard	
341	ADP Ribosylation Factor Like GTPase 6 Interacting Protein 1	ARL6IP1			DisGenet
342	Armadillo Like Helical Domain Containing 1	ARMH1			DisGenet
343	Armadillo Like Helical Domain Containing 3	ARMH3		GeneCard	

344	Age-Related Maculopathy Susceptibility 2	ARMS2		GeneCard	
345	Aryl Hydrocarbon Receptor Nuclear Translocator	ARNT		GeneCard	
346	Aryl Hydrocarbon Receptor Nuclear Translocator Like	ARNTL		GeneCard	DisGenet
347	Actin Related Protein 2/3 Complex Subunit 4	ARPC4		GeneCard	
348	Arrestin 3	ARR3			DisGenet
349	Arrestin Beta 1	ARRB1		GeneCard	
350	Arrestin Beta 2	ARRB2		GeneCard	
351	Arrestin Domain Containing 4	ARRDC4		GeneCard	
352	Arylsulfatase A	ARSA		GeneCard	
353	Arylsulfatase B	ARSB		GeneCard	DisGenet
354	Arylsulfatase Family Member H	ARSH		GeneCard	
355	Arylsulfatase Family Member I	ARSI			DisGenet
356	Arylsulfatase L	ARSL			DisGenet
357	Artemin	ARTN			DisGenet
358	Arsenite Methyltransferase	AS3MT		GeneCard	DisGenet
359	N-Acylsphingosine Amidohydrolase 1	ASAH1		GeneCard	
360	Activating Signal Cointegrator 1 Complex Subunit 3	ASCC3		GeneCard	
361	Asialoglycoprotein Receptor 1	ASGR1		GeneCard	
362	Asialoglycoprotein Receptor 2	ASGR2		GeneCard	
363	Aspartoacylase	ASPA		GeneCard	
364	Argininosuccinate Synthase 1	ASS1		GeneCard	DisGenet
365	Astrotactin 1	ASTN1		GeneCard	
366	ASXL Transcriptional Regulator 1	ASXL1		GeneCard	
367	ASXL Transcriptional Regulator 2	ASXL2		GeneCard	
368	Activating Transcription Factor 1	ATF1		GeneCard	
369	Activating Transcription Factor 2	ATF2		GeneCard	DisGenet
370	Activating Transcription Factor 3	ATF3		GeneCard	
371	Activating Transcription Factor 4	ATF4		GeneCard	DisGenet
372	Activating Transcription Factor 6	ATF6		GeneCard	

373	Autophagy Related 13	ATG13			DisGenet
374	Autophagy Related 16 Like 1	ATG16L1		GeneCard	DisGenet
375	Autophagy Related 5	ATG5		GeneCard	DisGenet
376	Autophagy Related 7	ATG7		GeneCard	DisGenet
377	Autophagy Related 9B	ATG9B		GeneCard	
378	Atherosclerosis Susceptibility (Lipoprotein Associated)	ATHS		GeneCard	
379	5-Aminoimidazole-4-Carboxamide Ribonucleotide Formyltransferase/IMP Cyclohydrolase	ATIC		GeneCard	DisGenet
380	ATM serine/threonine kinase	ATM	OMIM	GeneCard	DisGenet
381	Atrophin 1	ATN1		GeneCard	DisGenet
382	Atonal bHLH Transcription Factor 1	ATOH1			DisGenet
383	Antioxidant 1 Copper Chaperone	ATOX1		GeneCard	DisGenet
384	ATPase Phospholipid Transporting 10A (Putative)	ATP10A		GeneCard	
385	ATPase Phospholipid Transporting 10D (Putative)	ATP10D		GeneCard	
386	ATPase Cation Transporting 13A2	ATP13A2		GeneCard	
387	ATPase Na+/K+ Transporting Subunit Alpha 1	ATP1A1		GeneCard	
388	ATPase Sarcoplasmic/Endoplasmic Reticulum Ca2+ Transporting 2	ATP2A2		GeneCard	
389	ATPase Plasma Membrane Ca2+ Transporting 1	ATP2B1		GeneCard	DisGenet
390	ATP Synthase F1 Subunit Alpha	ATP5F1A		GeneCard	
391	ATP Synthase F1 Subunit Beta	ATP5F1B		GeneCard	
392	ATP Synthase Inhibitory Factor Subunit 1	ATP5IF1		GeneCard	
393	ATP Synthase Membrane Subunit K	ATP5MK		GeneCard	
394	ATP Synthase Peripheral Stalk Subunit F6	ATP5PF		GeneCard	
395	ATPase H+ Transporting Accessory Protein 2	ATP6AP2		GeneCard	
396	ATPase H+ Transporting V0 Subunit A2	ATP6V0A2		GeneCard	DisGenet
397	ATPase H+ Transporting V1 Subunit C2	ATP6V1C2		GeneCard	
398	ATPase H+ Transporting V1 Subunit E1	ATP6V1E1		GeneCard	
399	ATPase H+ Transporting V1 Subunit G2	ATP6V1G2		GeneCard	
400	ATP6V1G2-DDX39B Readthrough (NMD Candidate)	ATP6V1G2-DDX39B		GeneCard	

401	ATPase Copper Transporting Alpha	ATP7A		GeneCard	DisGenet
402	ATPase Phospholipid Transporting 8B1	ATP8B1		GeneCard	
403	ATR Serine/Threonine Kinase	ATR		GeneCard	
404	ATR Interacting Protein	ATRIP		GeneCard	
405	ATRIP-TREX1 Readthrough	ATRIP-TREX1		GeneCard	
406	Ataxin 1	ATXN1		GeneCard	
407	Ataxin 2	ATXN2		GeneCard	
408	Ataxin 3	ATXN3		GeneCard	
409	Aurora Kinase A and Ninein Interacting Protein	AUNIP			DisGenet
410	Aurora Kinase A	AURKA		GeneCard	DisGenet
411	Arginine Vasopressin	AVP		GeneCard	
412	Acyl-CoA Wax Alcohol Acyltransferase 1	AWAT1		GeneCard	
413	Acyl-CoA Wax Alcohol Acyltransferase 2	AWAT2		GeneCard	
414	AXL Receptor Tyrosine Kinase	AXL		GeneCard	
415	Alpha-2-Glycoprotein 1, Zinc-Binding	AZGP1		GeneCard	DisGenet
416	Azurocidin 1	AZU1		GeneCard	DisGenet
417	Beta-2-Microglobulin	B2M		GeneCard	DisGenet
418	Beta-1,3-Galactosyltransferase 4	B3GALT4		GeneCard	
419	Beta-1,4-N-Acetyl-Galactosaminyltransferase 3	B4GALNT3		GeneCard	
420	Beta-1,4-Galactosyltransferase 1	B4GALT1		GeneCard	
421	Beta-1,4-Galactosyltransferase 6	B4GALT6		GeneCard	
422	Beta-Secretase 1	BACE1		GeneCard	DisGenet
423	BTB Domain and CNC Homolog 1	BACH1		GeneCard	
424	BCL2 Associated Agonist of Cell Death	BAD		GeneCard	
425	BAG Cochaperone 3	BAG3		GeneCard	
426	BAR/IMD Domain Containing Adaptor Protein 2 Like 1	BAIAP2L1		GeneCard	
427	BCL2 Antagonist/Killer 1	BAK1		GeneCard	
428	BMP and Activin Membrane Bound Inhibitor	BAMBI			DisGenet
429	BRAF-ctivated Noncoding RNA	BANCR	OMIM		



430	Barrier to Autointegration Factor 1	BANF1	OMIM	GeneCard	DisGenet
431	B Cell Scaffold Protein with Ankyrin Repeats 1	BANK1		GeneCard	
432	BarH Like Homeobox 2	BARHL2		GeneCard	
433	Basic leucine zipper ATF-like transcription factor 3	BATF3			DisGenet
434	BCL2 Associated X, Apoptosis Regulator	BAX		GeneCard	DisGenet
435	Bromodomain Adjacent to Zinc Finger Domain 1A	BAZ1A		GeneCard	
436	Bromodomain Adjacent to Zinc Finger Domain 1B	BAZ1B		GeneCard	
437	Bromodomain Adjacent to Zinc Finger Domain 2B	BAZ2B		GeneCard	
438	Bardet-Biedl Syndrome 1	BBS1		GeneCard	
439	Bardet-Biedl Syndrome 10	BBS10		GeneCard	
440	Bardet-Biedl Syndrome 2	BBS2		GeneCard	
441	Bardet-Biedl Syndrome 4	BBS4		GeneCard	
442	Bardet-Biedl Syndrome 5	BBS5		GeneCard	
443	Bardet-Biedl Syndrome 7	BBS7		GeneCard	
444	Bardet-Biedl Syndrome 9	BBS9		GeneCard	
445	Basal Cell Adhesion Molecule (Lutheran Blood Group)	BCAM		GeneCard	
446	BCAR1 Scaffold Protein, Cas Family Member	BCAR1		GeneCard	
447	BCAR3 Adaptor Protein, NSP Family Member	BCAR3		GeneCard	
448	Breast Cancer Anti-Estrogen Resistance 4	BCAR4		GeneCard	
449	Butyrylcholinesterase	BCHE		GeneCard	
450	BCL2 Apoptosis Regulator	BCL2		GeneCard	DisGenet
451	BCL2 Related Protein A1	BCL2A1		GeneCard	
452	BCL2 Like 1	BCL2L1		GeneCard	
453	BCL2 Like 11	BCL2L11		GeneCard	
454	BCL3 Transcription Coactivator	BCL3		GeneCard	DisGenet
455	BCL6 Transcription Repressor	BCL6		GeneCard	
456	Beta-Carotene Oxygenase 1	BCO1		GeneCard	
457	BCL6 Corepressor	BCOR		GeneCard	
458	BCR activator of RhoGEF and GTPase	BCR			DisGenet

459	Bradykinin Receptor B1	BDKRB1		GeneCard	
460	Bradykinin Receptor B2	BDKRB2		GeneCard	DisGenet
461	Brain Derived Neurotrophic Factor	BDNF		GeneCard	DisGenet
462	Beclin 1	BECN1		GeneCard	DisGenet
463	Bestrophin 1	BEST1			DisGenet
464	Bestrophin 3	BEST3		GeneCard	
465	Beaded Filament Structural Protein 1	BFSP1		GeneCard	
466	Bone Gamma-Carboxyglutamate Protein	BGLAP		GeneCard	DisGenet
467	Biglycan	BGN		GeneCard	DisGenet
468	Basic Helix-Loop-Helix Family Member E22	BHLHE22			DisGenet
469	Betaine--Homocysteine S-Methyltransferase	BHMT		GeneCard	
470	Betaine--Homocysteine S-Methyltransferase 2	BHMT2		GeneCard	
471	BH3 Interacting Domain Death Agonist	BID		GeneCard	
472	BCL2 Interacting Killer	BIK			DisGenet
473	Baculoviral IAP Repeat Containing 3	BIRC3		GeneCard	DisGenet
474	Baculoviral IAP Repeat Containing 5	BIRC5		GeneCard	
475	BLK Proto-Oncogene, Src Family Tyrosine Kinase	BLK		GeneCard	
476	BLM RecQ Like Helicase	BLM		GeneCard	DisGenet
477	BLOC1S5-TXNDC5 Readthrough (NMD Candidate)	BLOC1S5-TXNDC5		GeneCard	
478	Biliverdin Reductase A	BLVRA		GeneCard	
479	Biliverdin Reductase B	BLVRB		GeneCard	
480	Bone Morphogenetic Protein 1	BMP1		GeneCard	
481	Bone Morphogenetic Protein 15	BMP15		GeneCard	
482	Bone Morphogenetic Protein 2	BMP2		GeneCard	DisGenet
483	Bone Morphogenetic Protein 3	BMP3		GeneCard	
484	Bone Morphogenetic Protein 4	BMP4		GeneCard	DisGenet
485	Bone Morphogenetic Protein 5	BMP5		GeneCard	
486	Bone Morphogenetic Protein 6	BMP6		GeneCard	

487	Bone Morphogenetic Protein 7	BMP7		GeneCard	DisGenet
488	BMP Binding Endothelial Regulator	BMPER		GeneCard	
489	Bone Morphogenetic Protein Receptor Type 1B	BMPR1B		GeneCard	
490	Bone Morphogenetic Protein Receptor Type 2	BMPR2		GeneCard	
491	BMS1 ribosome biogenesis factor	BMS1			DisGenet
492	Basonuclin 1	BNC1		GeneCard	
493	Basonuclin 2	BNC2		GeneCard	
494	BCL2 Interacting Protein 3	BNIP3		GeneCard	
495	BOP1 Ribosomal Biogenesis Factor	BOP1		GeneCard	
496	Bactericidal Permeability Increasing Protein	BPI		GeneCard	
497	BPI Fold Containing Family B Member 4	BPIFB4		GeneCard	DisGenet
498	BRCA1 Associated Protein	BRAP		GeneCard	DisGenet
499	BRCA1 DNA Repair Associated	BRCA1		GeneCard	DisGenet
500	BRCA2 DNA Repair Associated	BRCA2		GeneCard	
501	BRCA1/BRCA2-Containing Complex Subunit 3	BRCC3		GeneCard	
502	Bromodomain containing 7	BRD7			DisGenet
503	Bromodomain containing 8	BRD8			DisGenet
504	Bromodomain Testis Associated	BRDT		GeneCard	
505	BRF2 RNA Polymerase III Transcription Initiation Factor Subunit	BRF2		GeneCard	
506	BMP/Retinoic Acid Inducible Neural Specific 1	BRINP1			DisGenet
507	BMP/Retinoic Acid Inducible Neural Specific 3	BRINP3		GeneCard	DisGenet
508	Bromodomain and PHD Finger Containing 3	BRPF3		GeneCard	
509	Bombesin Receptor Subtype 3	BRS3			DisGenet
510	BR Serine/Threonine Kinase 1	BRSK1		GeneCard	
511	Bromodomain and WD Repeat Domain Containing 1	BRWD1		GeneCard	
512	BSCL2 Lipid Droplet Biogenesis Associated, Seipin	BSCL2		GeneCard	DisGenet
513	Basigin (Ok Blood Group)	BSG		GeneCard	DisGenet
514	Betacellulin	BTC		GeneCard	
515	Basic Transcription Factor 3 Pseudogene 11	BTF3P11			DisGenet

516	BTG Anti-Proliferation Factor 1	BTG1		GeneCard	
517	Bruton Tyrosine Kinase	BTK		GeneCard	
518	B And T Lymphocyte Associated	BTLA		GeneCard	DisGenet
519	Butyrophilin Like 2	BTNL2		GeneCard	
520	Beta-Transducin Repeat Containing E3 Ubiquitin Protein Ligase	BTRC		GeneCard	
521	BUB1 Mitotic Checkpoint Serine/Threonine Kinase B	BUB1B		GeneCard	
522	BUD13 Homolog	BUD13		GeneCard	
523	Chromosome 12 Open Reading Frame 4	C12orf4		GeneCard	
524	Chromosome 12 Open Reading Frame 43	C12orf43		GeneCard	
525	Chromosome 19 Open Reading Frame 38	C19orf38		GeneCard	
526	C1D Nuclear Receptor Corepressor	C1D			DisGenet
527	Chromosome 1 Open Reading Frame 116	C1orf116		GeneCard	
528	Chromosome 1 Open Reading Frame 21	C1orf21		GeneCard	
529	Complement C1q A Chain	C1QA	OMIM	GeneCard	
530	Complement C1q B Chain	C1QB		GeneCard	
531	Complement C1q Binding Protein	C1QBP		GeneCard	
532	Complement C1q C Chain	C1QC		GeneCard	
533	Complement C1q Like 3	C1QL3		GeneCard	DisGenet
534	C1q and TNF Related 1	C1QTNF1		GeneCard	DisGenet
535	C1q and TNF Related 12	C1QTNF12		GeneCard	DisGenet
536	C1q and TNF Related 3	C1QTNF3		GeneCard	
537	C1q and TNF Related 5	C1QTNF5		GeneCard	DisGenet
538	C1q and TNF Related 6	C1QTNF6		GeneCard	DisGenet
539	C1q and TNF Related 9	C1QTNF9		GeneCard	DisGenet
540	Complement C1r	C1R		GeneCard	
541	Complement C1s	C1S		GeneCard	
542	Complement C2	C2		GeneCard	
543	Chromosome 20 Open Reading Frame 181	C20orf181			DisGenet
544	Complement C3	C3		GeneCard	DisGenet

545	Complement C3a Receptor 1	C3AR1		GeneCard	
546	Complement C4A (Rodgers Blood Group)	C4A		GeneCard	
547	Complement C4B (Chido Blood Group)	C4B		GeneCard	
548	Complement Component 4B (Chido Blood Group), Copy 2	C4B_2		GeneCard	
549	Complement Component 4 Binding Protein Alpha	C4BPA		GeneCard	
550	Complement Component 4 Binding Protein Beta	C4BPB		GeneCard	
551	Complement C5	C5		GeneCard	
552	Complement C5a Receptor 1	C5AR1		GeneCard	
553	Complement C5a Receptor 2	C5AR2		GeneCard	
554	Complement C6	C6		GeneCard	
555	Complement C7	C7		GeneCard	
556	Complement C8 Beta Chain	C8B		GeneCard	
557	Chromosome 8 Open Reading Frame 48	C8orf48		GeneCard	
558	Complement C9	C9		GeneCard	
559	Chromosome 9 Open Reading Frame 50	C9orf50		GeneCard	
560	C9orf72-SMCR8 Complex Subunit	C9orf72		GeneCard	
561	Carbonic Anhydrase 1	CA1		GeneCard	DisGenet
562	Carbonic Anhydrase 10	CA10		GeneCard	
563	Carbonic Anhydrase 12	CA12		GeneCard	
564	Carbonic Anhydrase 2	CA2		GeneCard	DisGenet
565	Carbonic Anhydrase 3	CA3		GeneCard	
566	Carbonic Anhydrase 9	CA9		GeneCard	
567	Calcineurin Binding Protein 1	CABIN1		GeneCard	
568	Calcium Voltage-Gated Channel Subunit Alpha1 C	CACNA1C	OMIM	GeneCard	DisGenet
569	Calcium Voltage-Gated Channel Subunit Alpha1 E	CACNA1E		GeneCard	
570	Calcium Voltage-Gated Channel Subunit Alpha1 H	CACNA1H		GeneCard	
571	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 1	CACNA2D1		GeneCard	
572	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 3	CACNA2D3		GeneCard	
573	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2 Delta 4	CACNA2D4			DisGenet

574	Calcium Voltage-Gated Channel Auxiliary Subunit Gamma 8	CACNG8		GeneCard	
575	Carbamoyl-Phosphate Synthetase 2, Aspartate Transcarbamylase, and Dihydroorotase	CAD			DisGenet
576	Calcium Dependent Secretion Activator	CADPS		GeneCard	
577	Calcitonin Related Polypeptide Alpha	CALCA		GeneCard	
578	Calcium Binding and Coiled-Coil Domain 2	CALCOCO2		GeneCard	
579	Calcitonin Receptor	CALCR		GeneCard	
580	Calmodulin 1	CALM1		GeneCard	
581	Calmodulin 3	CALM3		GeneCard	
582	Calreticulin	CALR		GeneCard	DisGenet
583	Calumenin	CALU		GeneCard	DisGenet
584	Calcium/Calmodulin Dependent Protein Kinase I	CAMK1		GeneCard	
585	Calcium/Calmodulin Dependent Protein Kinase II Beta	CAMK2B		GeneCard	
586	Calcium/Calmodulin Dependent Protein Kinase II Delta	CAMK2D		GeneCard	
587	Calcium/Calmodulin Dependent Protein Kinase II Gamma	CAMK2G		GeneCard	
588	Calcium/Calmodulin Dependent Protein Kinase II Inhibitor 2	CAMK2N2		GeneCard	
589	Calcium/Calmodulin Dependent Protein Kinase IV	CAMK4		GeneCard	
590	Calcium/Calmodulin Dependent Protein Kinase Kinase 2	CAMKK2		GeneCard	DisGenet
591	Calcium Modulating Ligand	CAMLG		GeneCard	
592	Cathelicidin Antimicrobial Peptide	CAMP		GeneCard	DisGenet
593	Calmodulin Binding Transcription Activator 1	CAMTA1		GeneCard	
594	Cullin Associated and Neddylation Dissociated 1	CAND1		GeneCard	
595	Calcium Activated Nucleotidase 1	CANT1		GeneCard	
596	Calnexin	CANX		GeneCard	DisGenet
597	Cyclase Associated Actin Cytoskeleton Regulatory Protein 1	CAP1		GeneCard	DisGenet
598	Capping Actin Protein, Gelsolin Like	CAPG		GeneCard	DisGenet
599	Calpain 1	CAPN1		GeneCard	DisGenet
600	Calpain 10	CAPN10		GeneCard	DisGenet
601	Calpain 2	CAPN2		GeneCard	
602	Calpain 5	CAPN5		GeneCard	

603	Calpain 6	CAPN6		GeneCard	
604	Cell Cycle Associated Protein 1	CAPRIN1		GeneCard	
605	Calcyphosine 2	CAPS2		GeneCard	
606	Capping Actin Protein of Muscle Z-Line Subunit Beta	CAPZB		GeneCard	
607	Caspase Recruitment Domain Family Member 16	CARD16		GeneCard	
608	Caspase Recruitment Domain Family Member 8	CARD8		GeneCard	DisGenet
609	Caspase Recruitment Domain Family Member 9	CARD9		GeneCard	DisGenet
610	Calcium Regulated Heat Stable Protein 1	CARHSP1		GeneCard	DisGenet
611	Cardiac Mesoderm Enhancer-Associated Non-Coding RNA	CARMN		GeneCard	
612	CART Prepropeptide	CARTPT		GeneCard	
613	Cancer Susceptibility 11	CASC11		GeneCard	DisGenet
614	Cancer Susceptibility 2	CASC2		GeneCard	
615	Caspase 1	CASP1		GeneCard	DisGenet
616	Caspase 2	CASP2		GeneCard	
617	Caspase 3	CASP3		GeneCard	DisGenet
618	Caspase 4	CASP4		GeneCard	
619	Caspase 6	CASP6		GeneCard	
620	Caspase 7	CASP7		GeneCard	
621	Caspase 8	CASP8		GeneCard	
622	Caspase 9	CASP9		GeneCard	DisGenet
623	Calsequestrin 2	CASQ2		GeneCard	
624	Calcium Sensing Receptor	CASR		GeneCard	DisGenet
625	Calpastatin	CAST		GeneCard	DisGenet
626	Castor Zinc Finger 1	CASZ1		GeneCard	DisGenet
627	Catalase	CAT		GeneCard	DisGenet
628	Caveolin 1	CAV1		GeneCard	DisGenet
629	Caveolin 2	CAV2		GeneCard	
630	Caveolin 3	CAV3		GeneCard	
631	Caveolae Associated Protein 1	CAVIN1		GeneCard	DisGenet

632	Caveolae Associated Protein 3	CAVIN3		GeneCard	
633	Caveolae Associated Protein 4	CAVIN4		GeneCard	
634	Cbl Proto-Oncogene	CBL		GeneCard	
635	Cbl Proto-Oncogene Like 1	CBLL1		GeneCard	
636	Carbonyl Reductase 1	CBR1		GeneCard	
637	Cystathionine Beta-Synthase	CBS		GeneCard	DisGenet
638	Cystathionine Beta-Synthase Like	CBSL			DisGenet
639	Chromobox 1	CBX1		GeneCard	
640	Chromobox 3	CBX3		GeneCard	
641	Chromobox 4	CBX4		GeneCard	
642	Chromobox 5	CBX5		GeneCard	
643	Cell Cycle and Apoptosis Regulator 2	CCAR2		GeneCard	DisGenet
644	Coiled-Coil Domain Containing 105	CCDC105		GeneCard	
645	Coiled-Coil Domain Containing 157	CCDC157		GeneCard	
646	Coiled-Coil Domain Containing 159	CCDC159		GeneCard	
647	Coiled-Coil Domain Containing 170	CCDC170		GeneCard	
648	Coiled-Coil Domain Containing 178	CCDC178		GeneCard	
649	Coiled-Coil Domain Containing 3	CCDC3		GeneCard	
650	Coiled-Coil Domain Containing 71 Like	CCDC71L		GeneCard	
651	Coiled-Coil Domain Containing 8	CCDC8			DisGenet
652	Coiled-Coil Domain Containing 80	CCDC80		GeneCard	DisGenet
653	Coiled-Coil Domain Containing 88B	CCDC88B		GeneCard	
654	Coiled-Coil Domain Containing 92	CCDC92		GeneCard	
655	Coiled-Coil Alpha-Helical Rod Protein 1	CCHCR1			DisGenet
656	Cholecystokinin	CCK		GeneCard	
657	C-C Motif Chemokine Ligand 1	CCL1		GeneCard	DisGenet
658	C-C Motif Chemokine Ligand 11	CCL11		GeneCard	DisGenet
659	C-C Motif Chemokine Ligand 13	CCL13		GeneCard	
660	C-C Motif Chemokine Ligand 14	CCL14		GeneCard	



661	C-C Motif Chemokine Ligand 15	CCL15		GeneCard	
662	C-C Motif Chemokine Ligand 16	CCL16		GeneCard	
663	C-C Motif Chemokine Ligand 17	CCL17		GeneCard	DisGenet
664	C-C Motif Chemokine Ligand 18	CCL18		GeneCard	DisGenet
665	C-C Motif Chemokine Ligand 19	CCL19		GeneCard	DisGenet
666	C-C Motif Chemokine Ligand 2	CCL2		GeneCard	DisGenet
667	C-C Motif Chemokine Ligand 20	CCL20		GeneCard	DisGenet
668	C-C Motif Chemokine Ligand 21	CCL21		GeneCard	DisGenet
669	C-C Motif Chemokine Ligand 22	CCL22		GeneCard	DisGenet
670	C-C Motif Chemokine Ligand 23	CCL23		GeneCard	DisGenet
671	C-C Motif Chemokine Ligand 24	CCL24		GeneCard	
672	C-C Motif Chemokine Ligand 25	CCL25		GeneCard	DisGenet
673	C-C Motif Chemokine Ligand 26	CCL26		GeneCard	
674	C-C Motif Chemokine Ligand 27	CCL27		GeneCard	
675	C-C Motif Chemokine Ligand 28	CCL28		GeneCard	
676	C-C Motif Chemokine Ligand 3	CCL3		GeneCard	DisGenet
677	C-C Motif Chemokine Ligand 4	CCL4		GeneCard	DisGenet
678	C-C Motif Chemokine Ligand 4 Like 1	CCL4L1		GeneCard	DisGenet
679	C-C motif chemokine ligand 4 like 2	CCL4L2			DisGenet
680	C-C Motif Chemokine Ligand 5	CCL5		GeneCard	DisGenet
681	C-C Motif Chemokine Ligand 7	CCL7		GeneCard	DisGenet
682	C-C Motif Chemokine Ligand 8	CCL8		GeneCard	DisGenet
683	CCM2 Scaffold Protein	CCM2		GeneCard	
684	Cellular Communication Network Factor 1	CCN1		GeneCard	DisGenet
685	Cellular Communication Network Factor 2	CCN2		GeneCard	DisGenet
686	Cellular Communication Network Factor 3	CCN3		GeneCard	DisGenet
687	Cellular Communication Network Factor 4	CCN4		GeneCard	
688	Cellular Communication Network Factor 5	CCN5		GeneCard	DisGenet
689	Cellular Communication Network Factor 6	CCN6		GeneCard	

690	Cyclin A2	CCNA2		GeneCard	
691	Cyclin B1	CCNB1		GeneCard	
692	Cyclin B2	CCNB2		GeneCard	
693	Cyclin D1	CCND1		GeneCard	DisGenet
694	Cyclin D2	CCND2		GeneCard	
695	Cyclin D3	CCND3		GeneCard	
696	Cyclin E1	CCNE1		GeneCard	
697	Cyclin F	CCNF		GeneCard	
698	Cyclin H	CCNH		GeneCard	
699	Cyclin T1	CCNT1		GeneCard	
700	C-C Motif Chemokine Receptor 1	CCR1		GeneCard	
701	C-C Motif Chemokine Receptor 2	CCR2	OMIM	GeneCard	DisGenet
702	C-C Motif Chemokine Receptor 3	CCR3		GeneCard	DisGenet
703	C-C Motif Chemokine Receptor 4	CCR4		GeneCard	
704	C-C Motif Chemokine Receptor 5	CCR5		GeneCard	DisGenet
705	C-C Motif Chemokine Receptor 6	CCR6		GeneCard	DisGenet
706	C-C Motif Chemokine Receptor 7	CCR7		GeneCard	DisGenet
707	C-C Motif Chemokine Receptor 8	CCR8		GeneCard	DisGenet
708	C-C Motif Chemokine Receptor 9	CCR9		GeneCard	DisGenet
709	C-C Motif Chemokine Receptor Like 2	CCRL2		GeneCard	
710	Chaperonin Containing TCP1 Subunit 2	CCT2		GeneCard	
711	Chaperonin Containing TCP1 Subunit 4	CCT4		GeneCard	
712	Chaperonin Containing TCP1 Subunit 6A	CCT6A		GeneCard	
713	Chaperonin Containing TCP1 Subunit 7	CCT7		GeneCard	
714	Chaperonin Containing TCP1 Subunit 8	CCT8		GeneCard	
715	CD14 antigen	CD14	OMIM	GeneCard	DisGenet
716	CD151 Molecule (Raph Blood Group)	CD151		GeneCard	
717	CD160 Molecule	CD160		GeneCard	
718	CD163 Molecule	CD163		GeneCard	DisGenet

719	CD163 Molecule Like 1	CD163L1		GeneCard	
720	CD180 molecule	CD180			DisGenet
721	CD19 Molecule	CD19		GeneCard	DisGenet
722	CD1a Molecule	CD1A		GeneCard	
723	CD1c Molecule	CD1C		GeneCard	
724	CD1d Molecule	CD1D		GeneCard	DisGenet
725	CD2 Molecule	CD2		GeneCard	
726	CD209 Molecule	CD209		GeneCard	
727	CD22 Molecule	CD22		GeneCard	
728	CD247 Molecule	CD247		GeneCard	
729	CD248 Molecule	CD248		GeneCard	DisGenet
730	CD27 Molecule	CD27		GeneCard	DisGenet
731	CD274 Molecule	CD274		GeneCard	DisGenet
732	CD276 Molecule	CD276		GeneCard	
733	CD28 Molecule	CD28		GeneCard	DisGenet
734	CD34 Molecule	CD34		GeneCard	DisGenet
735	CD36 antigen (collagen type I)	CD36	OMIM	GeneCard	DisGenet
736	CD38 Molecule	CD38		GeneCard	
737	CD4 Molecule	CD4		GeneCard	
738	CD40 Molecule	CD40		GeneCard	DisGenet
739	CD40 Ligand	CD40LG		GeneCard	DisGenet
740	CD44 Molecule (Indian Blood Group)	CD44		GeneCard	DisGenet
741	CD46 Molecule	CD46		GeneCard	DisGenet
742	CD47 Antigen (Rh-related antigen; integrin-associated protein)	CD47	OMIM	GeneCard	DisGenet
743	CD5 Molecule	CD5		GeneCard	
744	CD55 Molecule (Cromer Blood Group)	CD55		GeneCard	
745	CD58 Molecule	CD58		GeneCard	
746	CD59 Molecule (CD59 Blood Group)	CD59		GeneCard	DisGenet
747	CD5 Antigen-like (scavenger receptor cysteine rich family)	CD5L	OMIM	GeneCard	DisGenet

748	CD63 Molecule	CD63		GeneCard	
749	CD68 Molecule	CD68		GeneCard	DisGenet
750	CD69 Molecule	CD69		GeneCard	DisGenet
751	CD70 Molecule	CD70		GeneCard	DisGenet
752	CD72 Molecule	CD72		GeneCard	
753	CD74 Molecule	CD74		GeneCard	DisGenet
754	CD79a Molecule	CD79A		GeneCard	
755	CD80 Molecule	CD80		GeneCard	DisGenet
756	CD81 Molecule	CD81		GeneCard	DisGenet
757	CD83 Molecule	CD83		GeneCard	
758	CD84 Molecule	CD84		GeneCard	
759	CD86 Molecule	CD86		GeneCard	DisGenet
760	CD8a Molecule	CD8A		GeneCard	
761	CD9 Molecule	CD9		GeneCard	
762	CD99 Molecule (Xg blood group)	CD99			DisGenet
763	Cell Division Cycle 42	CDC42		GeneCard	DisGenet
764	CDC42 Effector Protein 3	CDC42EP3		GeneCard	
765	Cell Division Cycle 5 Like	CDC5L		GeneCard	
766	Cadherin 1	CDH1		GeneCard	DisGenet
767	Cadherin 13	CDH13		GeneCard	DisGenet
768	Cadherin 2	CDH2		GeneCard	
769	Cadherin Related 23	CDH23		GeneCard	
770	Cadherin 4	CDH4		GeneCard	
771	Cadherin 5	CDH5		GeneCard	DisGenet
772	Cadherin 7	CDH7		GeneCard	
773	Cadherin 9	CDH9		GeneCard	
774	Cyclin Dependent Kinase 1	CDK1		GeneCard	
775	Cyclin Dependent Kinase 14	CDK14		GeneCard	
776	Cyclin Dependent Kinase 2	CDK2		GeneCard	DisGenet

777	Cyclin Dependent Kinase 3	CDK3		GeneCard	
778	Cyclin Dependent Kinase 4	CDK4		GeneCard	
779	Cyclin Dependent Kinase 5	CDK5		GeneCard	DisGenet
780	CDK5 Regulatory Subunit Associated Protein 3	CDK5RAP3		GeneCard	
781	Cyclin Dependent Kinase 6	CDK6		GeneCard	
782	Cyclin Dependent Kinase 7	CDK7		GeneCard	
783	Cyclin Dependent Kinase 9	CDK9		GeneCard	DisGenet
784	CDK5 Regulatory Subunit Associated Protein 1 Like 1	CDKAL1		GeneCard	DisGenet
785	Cyclin Dependent Kinase Inhibitor 1A	CDKN1A		GeneCard	DisGenet
786	Cyclin Dependent Kinase Inhibitor 1B	CDKN1B		GeneCard	DisGenet
787	Cyclin Dependent Kinase Inhibitor 1C	CDKN1C		GeneCard	DisGenet
788	Cyclin Dependent Kinase Inhibitor 2A	CDKN2A		GeneCard	DisGenet
789	Cyclin Dependent Kinase Inhibitor 2B	CDKN2B		GeneCard	DisGenet
790	CDKN2B Antisense RNA 1	CDKN2B-AS1		GeneCard	DisGenet
791	Cyclin Dependent Kinase Inhibitor 3	CDKN3		GeneCard	
792	Cysteine Dioxygenase Type 1	CDO1		GeneCard	
793	Cerebellar Degeneration Related Protein 1	CDR1		GeneCard	
794	CDR1 antisense RNA	CDR1-AS			DisGenet
795	CMT1A Duplicated Region Transcript 7	CDRT7		GeneCard	
796	CMT1A Duplicated Region Transcript 8	CDRT8		GeneCard	
797	CEA Cell Adhesion Molecule 1	CEACAM1		GeneCard	DisGenet
798	CEA Cell Adhesion Molecule 3	CEACAM3		GeneCard	
799	CEA Cell Adhesion Molecule 5	CEACAM5		GeneCard	
800	CEA Cell Adhesion Molecule 8	CEACAM8		GeneCard	
801	CCAAT Enhancer Binding Protein Alpha	CEBPA		GeneCard	DisGenet
802	CCAAT Enhancer Binding Protein Beta	CEBPB		GeneCard	DisGenet
803	CCAAT Enhancer Binding Protein Delta	CEBPD		GeneCard	
804	CCAAT Enhancer Binding Protein Zeta	CEBPZ		GeneCard	
805	Carboxyl Ester Lipase	CEL		GeneCard	DisGenet

806	Chymotrypsin-like elastase family, member 2A	CELA2A	OMIM	GeneCard	DisGenet
807	Cadherin EGF LAG Seven-Pass G-Type Receptor 1	CELSR1		GeneCard	
808	Cadherin EGF LAG Seven-Pass G-Type Receptor 2	CELSR2		GeneCard	
809	Cell Migration Inducing Hyaluronidase 1	CEMIP		GeneCard	
810	Centromere Protein A	CENPA		GeneCard	
811	Centromere Protein B	CENPB		GeneCard	
812	Centrosomal Protein 19	CEP19		GeneCard	
813	Centrosomal Protein 290	CEP290		GeneCard	
814	Centrosomal Protein 295	CEP295		GeneCard	
815	Centrosomal Protein 43	CEP43		GeneCard	
816	Centrosomal Protein 85 Like	CEP85L		GeneCard	
817	Ceramide Synthase 5	CERS5		GeneCard	
818	Carboxylesterase 1	CES1		GeneCard	DisGenet
819	Carboxylesterase 2	CES2		GeneCard	
820	Carboxylesterase 3	CES3			DisGenet
821	Cholesteryl Ester Transfer Protein	CETP		GeneCard	DisGenet
822	Cilia And Flagella Associated Protein 47	CFAP47		GeneCard	
823	Cilia And Flagella Associated Protein 91	CFAP91		GeneCard	
824	Complement Factor B	CFB		GeneCard	
825	Complement Factor D	CFD		GeneCard	
826	Craniofacial Development Protein 1	CFDP1		GeneCard	DisGenet
827	Complement factor H	CFH	OMIM	GeneCard	DisGenet
828	Complement Factor H Related 1	CFHR1		GeneCard	
829	Complement Factor H Related 2	CFHR2		GeneCard	
830	Complement Factor I	CFI		GeneCard	
831	Cofilin 1	CFL1		GeneCard	
832	Cofilin 2	CFL2		GeneCard	
833	CASP8 And FADD Like Apoptosis Regulator	CFLAR		GeneCard	
834	Complement Factor Properdin	CFP		GeneCard	

835	CF Transmembrane Conductance Regulator	CFTR		GeneCard	
836	Glycoprotein Hormones, Alpha Polypeptide	CGA		GeneCard	
837	Cholesterol 25-Hydroxylase	CH25H		GeneCard	DisGenet
838	ChaC Glutathione Specific Gamma-Glutamylcyclotransferase 1	CHAC1		GeneCard	
839	Chondroadherin	CHAD		GeneCard	
840	Choline O-Acetyltransferase	CHAT		GeneCard	
841	Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 10	CHCHD10		GeneCard	
842	Chromodomain Helicase DNA Binding Protein 1	CHD1		GeneCard	
843	Chromodomain Helicase DNA Binding Protein 3	CHD3		GeneCard	
844	Chromodomain Helicase DNA Binding Protein 4	CHD4		GeneCard	
845	Chromodomain Helicase DNA Binding Protein 7	CHD7		GeneCard	
846	Choline Dehydrogenase	CHDH			DisGenet
847	Coronary Heart Disease, Susceptibility To, 1	CHDS1		GeneCard	
848	Coronary Heart Disease, Susceptibility To, 2	CHDS2		GeneCard	
849	Coronary Heart Disease, Susceptibility To, 3	CHDS3		GeneCard	
850	Coronary Heart Disease, Susceptibility To, 4	CHDS4		GeneCard	
851	Coronary Heart Disease, Susceptibility To, 8	CHDS8		GeneCard	
852	Coronary Heart Disease, Susceptibility To, 9	CHDS9		GeneCard	
853	Checkpoint Kinase 2	CHEK2		GeneCard	
854	Checkpoint With Forkhead and Ring Finger Domains	CHFR		GeneCard	
855	Chromogranin A	CHGA		GeneCard	DisGenet
856	Chitinase 3 Like 1	CHI3L1		GeneCard	DisGenet
857	Chitinase 1	CHIT1		GeneCard	DisGenet
858	Choline Kinase Alpha	CHKA		GeneCard	
859	Choline Kinase Beta	CHKB		GeneCard	
860	Charged Multivesicular Body Protein 2B	CHMP2B		GeneCard	DisGenet
861	Choline Phosphotransferase 1	CHPT1		GeneCard	
862	Cholinergic Receptor Muscarinic 1	CHRM1		GeneCard	
863	Cholinergic Receptor Muscarinic 2	CHRM2		GeneCard	

864	Cholinergic Receptor Muscarinic 3	CHRM3		GeneCard	DisGenet
865	Cholinergic Receptor Nicotinic Alpha 2 Subunit	CHRNA2		GeneCard	
866	Cholinergic Receptor Nicotinic Alpha 3 Subunit	CHRNA3		GeneCard	
867	Cholinergic Receptor Nicotinic Alpha 4 subunit	CHRNA4			DisGenet
868	Cholinergic Receptor Nicotinic Alpha 5 Subunit	CHRNA5		GeneCard	DisGenet
869	Cholinergic Receptor Nicotinic Alpha 7 Subunit	CHRNA7		GeneCard	
870	Cholinergic Receptor Nicotinic Beta 4 Subunit	CHRN4		GeneCard	
871	Cholesterol Induced Regulator of Metabolism RNA	CHROMR		GeneCard	
872	Carbohydrate Sulfotransferase 1	CHST1		GeneCard	
873	Carbohydrate Sulfotransferase 2	CHST2		GeneCard	
874	Carbohydrate Sulfotransferase 3	CHST3		GeneCard	DisGenet
875	Component Of Inhibitor Of Nuclear Factor Kappa B Kinase Complex	CHUK		GeneCard	
876	Cytokine Induced Apoptosis Inhibitor 1	CIAPIN1		GeneCard	
877	Calcium And Integrin Binding Family Member 4	CIB4		GeneCard	
878	Cell Death Inducing DFFA Like Effector C	CIDEC		GeneCard	DisGenet
879	Class II Major Histocompatibility Complex Transactivator	CIITA		GeneCard	
880	Cartilage Intermediate Layer Protein 2	CILP2		GeneCard	
881	Carotid Intimal Medial Thickness	CIMT		GeneCard	DisGenet
882	Cellular inhibitor of PP2A	CIP2A			DisGenet
883	CDGSH Iron Sulfur Domain 1	CISD1			DisGenet
884	Cytokine Inducible SH2 Containing Protein	CISH		GeneCard	DisGenet
885	Citron Rho-Interacting Serine/Threonine Kinase	CIT			DisGenet
886	Cbp/P300 Interacting Transactivator with Glu/Asp Rich Carboxy-Terminal Domain 2	CITED2		GeneCard	
887	Creatine Kinase B	CKB		GeneCard	
888	Chemokine Like Factor	CKLF		GeneCard	
889	Creatine Kinase, M-Type	CKM		GeneCard	
890	Creatine Kinase, Mitochondrial 2	CKMT2		GeneCard	
891	CLK4 Associating Serine/Arginine Rich Protein	CLASRP		GeneCard	
892	Chloride Channel CLIC Like 1	CLCC1		GeneCard	



893	Cardiotrophin Like Cytokine Factor 1	CLCF1			DisGenet
894	Chloride Voltage-Gated Channel 1	CLCN1		GeneCard	
895	Chloride Voltage-Gated Channel 2	CLCN2			DisGenet
896	Claudin 1	CLDN1			DisGenet
897	Claudin 5	CLDN5		GeneCard	
898	Claudin 7	CLDN7			DisGenet
899	C-Type Lectin Domain Family 12 Member A	CLEC12A		GeneCard	
900	C-Type Lectin Domain Containing 16A	CLEC16A		GeneCard	
901	C-Type Lectin Domain Family 1 Member A	CLEC1A		GeneCard	
902	C-Type Lectin Domain Family 3 Member B	CLEC3B		GeneCard	
903	C-Type Lectin Domain Family 4 Member A	CLEC4A		GeneCard	
904	C-Type Lectin Domain Family 4 Member C	CLEC4C		GeneCard	
905	C-type Lectin Domain Family 4 Member D	CLEC4D			DisGenet
906	C-Type Lectin Domain Family 4 Member E	CLEC4E		GeneCard	DisGenet
907	C-Type Lectin Domain Containing 5A	CLEC5A		GeneCard	DisGenet
908	C-Type Lectin Domain Containing 6A	CLEC6A		GeneCard	DisGenet
909	C-Type Lectin Domain Containing 7A	CLEC7A		GeneCard	DisGenet
910	C-type Lectin Domain Containing 9A	CLEC9A			DisGenet
911	Calmegin	CLGN		GeneCard	
912	Chloride Intracellular Channel 1	CLIC1			DisGenet
913	Chloride Intracellular Channel 4	CLIC4		GeneCard	DisGenet
914	Chloride Intracellular Channel 5	CLIC5		GeneCard	
915	Clathrin Interactor 1	CLINT1		GeneCard	
916	CAP-Gly Domain Containing Linker Protein 1	CLIP1		GeneCard	
917	Clock Circadian Regulator	CLOCK		GeneCard	DisGenet
918	Caseinolytic Mitochondrial Matrix Peptidase Proteolytic Subunit	CLPP		GeneCard	
919	Colipase	CLPS		GeneCard	
920	CLPTM1 Like	CLPTM1L		GeneCard	
921	Clathrin Heavy Chain	CLTC		GeneCard	

922	Clathrin Heavy Chain Like 1	CLTCL1		GeneCard	
923	Clusterin (complement lysis inhibitor, SP-40,40; sulfated glycoprotein 2; testosterone-repressed prostate message-2; apolipoprotein J)	CLU	OMIM	GeneCard	DisGenet
924	Chymase 1	CMA1		GeneCard	DisGenet
925	Chemerin Chemokine-Like Receptor 1	CMKLR1		GeneCard	DisGenet
926	Cytidine/Uridine Monophosphate Kinase 2	CMPK2		GeneCard	
927	CKLF Like MARVEL Transmembrane Domain Containing 5	CMTM5		GeneCard	
928	CKLF Like MARVEL Transmembrane Domain Containing 7	CMTM7		GeneCard	
929	CCHC-type zinc finger nucleic acid binding protein	CNBP			DisGenet
930	Chondromodulin	CNMD		GeneCard	
931	Calponin 1	CNN1		GeneCard	
932	Calponin 2	CNN2			DisGenet
933	CCR4-NOT Transcription Complex Subunit 3	CNOT3		GeneCard	
934	2',3'-cyclic nucleotide 3' phosphodiesterase	CNP			DisGenet
935	Cannabinoid Receptor 1	CNR1		GeneCard	DisGenet
936	Cannabinoid receptor 2	CNR2	OMIM	GeneCard	DisGenet
937	Centlein	CNTLN		GeneCard	
938	Contactin 1	CNTN1		GeneCard	
939	Contactin 3	CNTN3			DisGenet
940	Contactin 5	CNTN5		GeneCard	
941	Contactin Associated Protein 2	CNTNAP2		GeneCard	
942	Component Of Oligomeric Golgi Complex 2	COG2		GeneCard	
943	Collagen Type X Alpha 1 Chain	COL10A1		GeneCard	
944	Collagen Type XV Alpha 1 Chain	COL15A1	OMIM	GeneCard	DisGenet
945	Collagen Type XVIII Alpha 1 Chain	COL18A1		GeneCard	DisGenet
946	Collagen Type I Alpha 1 Chain	COL1A1		GeneCard	DisGenet
947	Collagen Type I Alpha 2 Chain	COL1A2		GeneCard	
948	Collagen Type XX Alpha 1 Chain	COL20A1		GeneCard	
949	Collagen Type II Alpha 1 Chain	COL2A1		GeneCard	

950	Collagen Type III Alpha 1 Chain	COL3A1		GeneCard	DisGenet
951	Collagen Type IV Alpha 1 Chain	COL4A1	OMIM	GeneCard	DisGenet
952	Collagen Type IV Alpha 2 Chain	COL4A2		GeneCard	
953	COL4A2 Antisense RNA 2	COL4A2-AS2		GeneCard	
954	Collagen Type IV Alpha 3 Chain	COL4A3		GeneCard	
955	Collagen Type IV Alpha 4 Chain	COL4A4		GeneCard	
956	Collagen Type V Alpha 1 Chain	COL5A1		GeneCard	
957	Collagen Type V Alpha 2 Chain	COL5A2		GeneCard	
958	Collagen Type V Alpha 3 Chain	COL5A3		GeneCard	
959	Collagen Type VI Alpha 1 Chain	COL6A1		GeneCard	
960	Collagen Type VIII Alpha 1 Chain	COL8A1		GeneCard	
961	Collectin Subfamily Member 10	COLEC10		GeneCard	
962	Collectin Subfamily Member 12	COLEC12		GeneCard	DisGenet
963	COMM Domain Containing 10	COMMD10		GeneCard	
964	COMM Domain Containing 6	COMMD6		GeneCard	
965	Cartilage Oligomeric Matrix Protein	COMP		GeneCard	DisGenet
966	Catechol-O-Methyltransferase	COMT		GeneCard	DisGenet
967	COPI coat complex subunit beta 2	COPB2			DisGenet
968	Pulmonary disease, chronic obstructive, severe early-onset	COPD			DisGenet
969	COPI coat complex subunit epsilon	COPE			DisGenet
970	COP9 Signalosome Subunit 2	COPS2		GeneCard	
971	COP9 Signalosome Subunit 5	COPS5		GeneCard	DisGenet
972	Coenzyme Q10A	COQ10A		GeneCard	
973	Corin, Serine Peptidase	CORIN		GeneCard	
974	Coronin 1B	CORO1B		GeneCard	
975	Cortistatin	CORT		GeneCard	DisGenet
976	Cytochrome C Oxidase Subunit I	COX1			DisGenet
977	Cytochrome C Oxidase Copper Chaperone COX17	COX17		GeneCard	
978	Cytochrome C Oxidase Subunit II	COX2			DisGenet

979	Cytochrome C Oxidase Subunit 5A	COX5A		GeneCard	DisGenet
980	Cytochrome C Oxidase Subunit 8A	COX8A			DisGenet
981	Ceruloplasmin	CP		GeneCard	DisGenet
982	Carboxypeptidase A1	CPA1		GeneCard	
983	Carboxypeptidase A3	CPA3		GeneCard	
984	Carboxypeptidase A6	CPA6		GeneCard	
985	Cerebral Palsy, Ataxic 1	CPAT1			DisGenet
986	Carboxypeptidase B1	CPB1		GeneCard	
987	Carboxypeptidase B2	CPB2		GeneCard	DisGenet
988	Carboxypeptidase E	CPE		GeneCard	
989	Cytoplasmic Polyadenylation Element Binding Protein 1	CPEB1		GeneCard	
990	Cytoplasmic Polyadenylation Element Binding Protein 2	CPEB2		GeneCard	
991	Copine 1	CPNE1		GeneCard	
992	Carboxypeptidase O	CPO		GeneCard	
993	Coproporphyrinogen Oxidase	CPOX		GeneCard	DisGenet
994	Carboxypeptidase Q	CPQ		GeneCard	
995	Carbamoyl-Phosphate Synthase 1	CPS1	OMIM	GeneCard	
996	Carnitine Palmitoyltransferase 1A	CPT1A		GeneCard	
997	Carnitine Palmitoyltransferase 2	CPT2		GeneCard	DisGenet
998	Ceramide-1-Phosphate Transfer Protein	CPTP		GeneCard	
999	Complement C3b/C4b Receptor 1 (Knops Blood Group)	CR1		GeneCard	DisGenet
1000	Complement C3d Receptor 2	CR2		GeneCard	
1001	Carnitine O-Acetyltransferase	CRAT		GeneCard	
1002	Crumbs Cell Polarity Complex Component 1	CRB1		GeneCard	
1003	CAMP Responsive Element Binding Protein 1	CREB1		GeneCard	DisGenet
1004	CAMP Responsive Element Binding Protein 3	CREB3		GeneCard	DisGenet

1005	CAMP Responsive Element Binding Protein 3 Like 3	CREB3L3		GeneCard	DisGenet
1006	CREB Binding Protein	CREBBP		GeneCard	
1007	Cellular Repressor Of E1A Stimulated Genes 1	CREG1	OMIM	GeneCard	DisGenet
1008	CAMP Responsive Element Modulator	CREM		GeneCard	
1009	Corticotropin Releasing Hormone	CRH		GeneCard	
1010	Cysteine Rich Secretory Protein 2	CRISP2		GeneCard	DisGenet
1011	CRK proto-oncogene, adaptor protein	CRK			DisGenet
1012	Cytokine Receptor Like Factor 2	CRLF2		GeneCard	
1013	Collapsin Response Mediator Protein 1	CRMP1			DisGenet
1014	Crooked Neck Pre-mRNA Splicing Factor 1	CRNKL1		GeneCard	
1015	Ciliary Rootlet Coiled-Coil, Rootletin	CROCC		GeneCard	
1016	Carnitine O-Octanoyltransferase	CROT		GeneCard	
1017	C-Reactive Protein	CRP	OMIM	GeneCard	DisGenet
1018	CRTC1 Pseudogene 1	CRTC1P1		GeneCard	
1019	Cryptochrome Circadian Regulator 1	CRY1		GeneCard	DisGenet
1020	Cryptochrome Circadian Regulator 2	CRY2		GeneCard	
1021	Crystallin Alpha A	CRYAA		GeneCard	
1022	Crystallin Alpha B	CRYAB		GeneCard	
1023	Crystallin Gamma D	CRYGD			DisGenet
1024	Citrate Synthase	CS		GeneCard	

102 5	Chromosome Segregation 1 Like	CSE1L		GeneCard	
102 6	Colony Stimulating Factor 1	CSF1	OMIM	GeneCard	DisGenet
102 7	Colony Stimulating Factor 1 Receptor	CSF1R		GeneCard	DisGenet
102 8	Colony Stimulating Factor 2	CSF2		GeneCard	DisGenet
102 9	Colony Stimulating Factor 2 Receptor Subunit Alpha	CSF2RA		GeneCard	
103 0	Colony Stimulating Factor 2 Receptor Subunit Beta	CSF2RB		GeneCard	DisGenet
103 1	Colony Stimulating Factor 3	CSF3		GeneCard	DisGenet
103 2	Colony Stimulating Factor 3 Receptor	CSF3R		GeneCard	
103 3	Chondroitin Sulfate N-Acetylgalactosaminyltransferase 1	CSGALNACT1		GeneCard	
103 4	Chondroitin Sulfate N-Acetylgalactosaminyltransferase 2	CSGALNACT2		GeneCard	DisGenet
103 5	C-Terminal Src Kinase	CSK		GeneCard	
103 6	CUB and Sushi Multiple Domains 1	CSMD1		GeneCard	
103 7	CUB and Sushi Multiple Domains 2	CSMD2		GeneCard	
103 8	CUB and Sushi Multiple Domains 3	CSMD3		GeneCard	
103 9	Casein Alpha S1	CSN1S1		GeneCard	
104 0	Casein Kinase 2 Alpha 1	CSNK2A1		GeneCard	
104 1	Casein Kinase 2 Alpha 2	CSNK2A2		GeneCard	
104 2	Casein Kinase 2 Beta	CSNK2B		GeneCard	
104 3	Cysteine And Glycine Rich Protein 1	CSR1P		GeneCard	
104 4	Cysteine And Glycine Rich Protein 3	CSR3P		GeneCard	

104 5	Cystatin 12, Pseudogene	CST12P			DisGenet
104 6	Cystatin C	CST3		GeneCard	DisGenet
104 7	Cystatin S	CST4		GeneCard	
104 8	Cystatin A	CSTA		GeneCard	
104 9	Cystatin B	CSTB		GeneCard	
105 0	Cleavage Stimulation Factor Subunit 3	CSTF3		GeneCard	
105 1	Chitobiase	CTBS			DisGenet
105 2	CCCTC-Binding Factor	CTCF		GeneCard	DisGenet
105 3	Cardiotrophin 1	CTF1		GeneCard	DisGenet
105 4	Cystathionine Gamma-Lyase	CTH		GeneCard	DisGenet
105 5	Cytotoxic T-Lymphocyte Associated Protein 4	CTLA4		GeneCard	
105 6	Catenin Alpha 1	CTNNA1		GeneCard	
105 7	Catenin Alpha 2	CTNNA2		GeneCard	
105 8	Catenin Alpha 3	CTNNA3		GeneCard	
105 9	Catenin Beta 1	CTNNB1		GeneCard	DisGenet
106 0	Catenin Beta Interacting Protein 1	CTNNBIP1		GeneCard	
106 1	Catenin delta 1	CTNND1			DisGenet
106 2	Catenin Delta 2	CTNND2		GeneCard	
106 3	Cystinosin, Lysosomal Cystine Transporter	CTNS		GeneCard	
106 4	CTP synthase 1	CTPS1			DisGenet

106 5	Chymotrypsin C	CTRC		GeneCard	
106 6	Chymotrypsin Like	CTRL		GeneCard	
106 7	Cathepsin A	CTSA		GeneCard	
106 8	Cathepsin B	CTSB		GeneCard	DisGenet
106 9	Cathepsin C	CTSC		GeneCard	DisGenet
107 0	Cathepsin D	CTSD		GeneCard	DisGenet
107 1	Cathepsin F	CTSF		GeneCard	
107 2	Cathepsin G	CTSG		GeneCard	DisGenet
107 3	Cathepsin H	CTSH		GeneCard	
107 4	Cathepsin K	CTSK		GeneCard	DisGenet
107 5	Cathepsin L	CTSL		GeneCard	DisGenet
107 6	Cathepsin S	CTSS		GeneCard	DisGenet
107 7	Cathepsin V	CTSV		GeneCard	
107 8	Cortactin	CTTN		GeneCard	
107 9	Cubilin	CUBN		GeneCard	
108 0	Cullin 4A	CUL4A		GeneCard	
108 1	Cullin 4B	CUL4B		GeneCard	
108 2	Cullin 5	CUL5		GeneCard	
108 3	CWC22 Spliceosome Associated Protein Homolog	CWC22		GeneCard	
108 4	C-X3-C Motif Chemokine Ligand 1	CX3CL1		GeneCard	DisGenet



1085	Chemokine (C-X3-C) receptor 1 (G protein-coupled receptor-13)	CX3CR1	OMIM	GeneCard	DisGenet
1086	CXADR Ig-Like Cell Adhesion Molecule	CXADR		GeneCard	DisGenet
1087	CXADRP1	CXADRP1			DisGenet
1088	C-X-C Motif Chemokine Ligand 1	CXCL1		GeneCard	DisGenet
1089	C-X-C Motif Chemokine Ligand 10	CXCL10		GeneCard	DisGenet
1090	C-X-C Motif Chemokine Ligand 11	CXCL11		GeneCard	
1091	C-X-C Motif Chemokine Ligand 12	CXCL12		GeneCard	DisGenet
1092	C-X-C Motif Chemokine Ligand 13	CXCL13		GeneCard	DisGenet
1093	C-X-C Motif Chemokine Ligand 14	CXCL14		GeneCard	DisGenet
1094	C-X-C Motif Chemokine Ligand 16	CXCL16		GeneCard	DisGenet
1095	C-X-C Motif Chemokine Ligand 17	CXCL17		GeneCard	
1096	C-X-C Motif Chemokine Ligand 2	CXCL2		GeneCard	DisGenet
1097	C-X-C Motif Chemokine Ligand 3	CXCL3		GeneCard	
1098	C-X-C Motif Chemokine Ligand 5	CXCL5		GeneCard	
1099	C-X-C Motif Chemokine Ligand 6	CXCL6		GeneCard	
1100	C-X-C Motif Chemokine Ligand 8	CXCL8		GeneCard	DisGenet
1101	C-X-C Motif Chemokine Ligand 9	CXCL9		GeneCard	DisGenet
1102	C-X-C Motif Chemokine Receptor 1	CXCR1		GeneCard	
1103	C-X-C Motif Chemokine Receptor 2	CXCR2		GeneCard	DisGenet
1104	C-X-C Motif Chemokine Receptor 3	CXCR3		GeneCard	DisGenet

110 5	C-X-C Motif Chemokine Receptor 4	CXCR4		GeneCard	DisGenet
110 6	C-X-C Motif Chemokine Receptor 5	CXCR5		GeneCard	
110 7	C-X-C Motif Chemokine Receptor 6	CXCR6		GeneCard	DisGenet
110 8	Chromosome X Open Reading Frame 38	CXorf38		GeneCard	
110 9	Chromosome X Open Reading Frame 49	CXorf49		GeneCard	
111 0	Cytochrome B-245 Alpha Chain	CYBA		GeneCard	DisGenet
111 1	Cytochrome B-245 Beta Chain	CYBB		GeneCard	DisGenet
111 2	Cytochrome C, Somatic	CYCS		GeneCard	
111 3	CYCS Pseudogene 14	CYCSP14		GeneCard	
111 4	CYCS Pseudogene 42	CYCSP42		GeneCard	
111 5	CYCS Pseudogene 8	CYCSP8		GeneCard	
111 6	Cytoglobin	CYGB		GeneCard	DisGenet
111 7	CYLD Lysine 63 Deubiquitinase	CYLD		GeneCard	DisGenet
111 8	Cytochrome P450 Family 11 Subfamily A Member 1	CYP11A1		GeneCard	
111 9	Cytochrome P450 Family 11 Subfamily B Member 2	CYP11B2		GeneCard	
112 0	Cytochrome P450 Family 17 Subfamily A Member 1	CYP17A1		GeneCard	
112 1	Cytochrome P450 Family 19 Subfamily A Member 1	CYP19A1		GeneCard	DisGenet
112 2	Cytochrome P450 Family 1 Subfamily A Member 1	CYP1A1		GeneCard	DisGenet
112 3	Cytochrome P450 Family 1 Subfamily A Member 2	CYP1A2		GeneCard	DisGenet
112 4	Cytochrome P450 Family 1 Subfamily B Member 1	CYP1B1		GeneCard	

112 5	Cytochrome P450 Family 20 Subfamily A Member 1	CYP20A1		GeneCard	
112 6	Cytochrome P450 Family 21 Subfamily A Member 2	CYP21A2		GeneCard	
112 7	Cytochrome P450 Family 24 Subfamily A Member 1	CYP24A1		GeneCard	
112 8	Cytochrome P450 Family 26 Subfamily A Member 1	CYP26A1			DisGenet
112 9	Cytochrome P450 Family 26 Subfamily B Member 1	CYP26B1		GeneCard	DisGenet
113 0	Cytochrome P450 Family 27 Subfamily B Member 1	CYP27A1	OMIM	GeneCard	DisGenet
113 1	Cytochrome P450 Family 27 Subfamily B Member 1	CYP27B1		GeneCard	DisGenet
113 2	Cytochrome P450 Family 27 Subfamily C Member 1	CYP27C1		GeneCard	
113 3	Cytochrome P450 Family 2 Subfamily B Member 6	CYP2B6		GeneCard	DisGenet
113 4	Cytochrome P450 Family 2 Subfamily C Member 19	CYP2C19		GeneCard	DisGenet
113 5	Cytochrome P450 Family 2 Subfamily C Member 8	CYP2C8		GeneCard	DisGenet
113 6	Cytochrome P450 Family 2 Subfamily C Member 9	CYP2C9		GeneCard	DisGenet
113 7	Cytochrome P450 Family 2 Subfamily D Member 6	CYP2D6			DisGenet
113 8	Cytochrome P450 Family 2 Subfamily E Member 1	CYP2E1		GeneCard	DisGenet
113 9	Cytochrome P450 Family 2 Subfamily J Member 2	CYP2J2		GeneCard	DisGenet
114 0	Cytochrome P450 Family 2 Subfamily R Member 1	CYP2R1		GeneCard	
114 1	Cytochrome P450 Family 3 Subfamily A Member 4	CYP3A4		GeneCard	DisGenet
114 2	Cytochrome P450 Family 3 Subfamily A Member 5	CYP3A5		GeneCard	DisGenet
114 3	Cytochrome P450 Family 46 Subfamily A Member 1	CYP46A1		GeneCard	
114 4	Cytochrome P450 Family 4 Subfamily A Member 11	CYP4A11		GeneCard	

114 5	Cytochrome P450 Family 4 Subfamily F Member 2	CYP4F2		GeneCard	DisGenet
114 6	Cytochrome P450 Family 4 Subfamily V Member 2	CYP4V2		GeneCard	
114 7	Cytochrome P450 Family 51 Subfamily A Member 1	CYP51A1		GeneCard	
114 8	Cytochrome P450 Family 7 Subfamily A Member 1	CYP7A1		GeneCard	DisGenet
114 9	Cytochrome P450 Family 7 Subfamily B Member 1	CYP7B1		GeneCard	
115 0	Cytochrome P450 Family 8 Subfamily B Member 1	CYP8B1		GeneCard	
115 1	Cysteinyl Leukotriene Receptor 1	CYSLTR1		GeneCard	DisGenet
115 2	Cysteinyl Leukotriene Receptor 2	CYSLTR2		GeneCard	
115 3	Cytochrome B	CYTB			DisGenet
115 4	DAB Adaptor Protein 2	DAB2		GeneCard	DisGenet
115 5	DAB2 Interacting Protein	DAB2IP		GeneCard	DisGenet
115 6	Dachshund Family Transcription Factor 2	DACH2		GeneCard	
115 7	Dystroglycan 1	DAG1		GeneCard	DisGenet
115 8	Diacylglycerol Lipase Beta	DAGLB		GeneCard	
115 9	Differentiation Antagonizing Non-Protein Coding RNA	DANCR		GeneCard	
116 0	D-Amino Acid Oxidase Activator	DAOA		GeneCard	
116 1	Death Associated Protein	DAP		GeneCard	
116 2	Death Associated Protein Kinase 1	DAPK1		GeneCard	
116 3	DAPK1 Intronic Transcript 1	DAPK1-IT1		GeneCard	
116 4	Death Associated Protein Kinase 2	DAPK2			DisGenet

116 5	Death Associated Protein Kinase 3	DAPK3		GeneCard	
116 6	Death Domain Associated Protein	DAXX		GeneCard	
116 7	Deleted In Azoospermia Like	DAZL		GeneCard	
116 8	Diazepam Binding Inhibitor, Acyl-CoA Binding Protein	DBI		GeneCard	
116 9	Drebrin 1	DBN1		GeneCard	DisGenet
117 0	D-box binding PAR bZIP transcription factor	DBP			DisGenet
117 1	Discoidin, CUB And LCCL Domain Containing 1	DCBLD1		GeneCard	
117 2	Dermcidin	DCD		GeneCard	
117 3	Doublecortin Domain Containing 2C	DCDC2C		GeneCard	
117 4	Doublecortin Like Kinase 3	DCLK3			DisGenet
117 5	Decorin	DCN		GeneCard	DisGenet
117 6	Dynactin Subunit 4	DCTN4			DisGenet
117 7	Dynactin Subunit 6	DCTN6			DisGenet
117 8	Dimethylarginine Dimethylaminohydrolase 1	DDAH1		GeneCard	DisGenet
117 9	Dimethylarginine Dimethylaminohydrolase 2	DDAH2		GeneCard	DisGenet
118 0	Damage Specific DNA Binding Protein 1	DDB1		GeneCard	
118 1	Damage Specific DNA Binding Protein 2	DDB2		GeneCard	
118 2	Dopa Decarboxylase	DDC		GeneCard	
118 3	DDHD Domain Containing 1	DDHD1		GeneCard	
118 4	DNA Damage Inducible Transcript 3	DDIT3		GeneCard	DisGenet

118 5	DNA Damage Inducible Transcript 4 Like	DDIT4L		GeneCard	
118 6	Discoidin Domain Receptor Tyrosine Kinase 1	DDR1		GeneCard	DisGenet
118 7	Discoidin Domain Receptor Tyrosine Kinase 2	DDR2		GeneCard	DisGenet
118 8	DEAD-Box Helicase 4	DDX4		GeneCard	
118 9	DExH/H-Box Helicase 58	DDX58		GeneCard	
119 0	2,4-dienoyl-CoA reductase 1	DECR1			DisGenet
119 1	Defensin Alpha 1	DEFA1		GeneCard	
119 2	Defensin Alpha 3	DEFA3		GeneCard	
119 3	Defensin Beta 103A	DEFB103A			DisGenet
119 4	Defensin Beta 103B	DEFB103B		GeneCard	DisGenet
119 5	Defensin Beta 128	DEFB128		GeneCard	
119 6	Defensin Beta 4A	DEFB4A		GeneCard	DisGenet
119 7	Defensin Beta 4B	DEFB4B			DisGenet
119 8	Delta 4-Desaturase, Sphingolipid 1	DEGS1		GeneCard	
119 9	Density Regulated Re-initiation and Release Factor	DENR			DisGenet
120 0	Desmin	DES		GeneCard	
120 1	Deuterosome Assembly Protein 1	DEUP1		GeneCard	
120 2	DNA Fragmentation Factor Subunit Beta	DFFB		GeneCard	
120 3	Diacylglycerol O-Acyltransferase 1	DGAT1		GeneCard	DisGenet
120 4	Diacylglycerol O-Acyltransferase 2	DGAT2		GeneCard	

120 5	Diacylglycerol O-Acyltransferase 2 Like 6	DGAT2L6		GeneCard	
120 6	Diacylglycerol O-Acyltransferase 2 Like 7, Pseudogene	DGAT2L7P		GeneCard	
120 7	Diacylglycerol Kinase Alpha	DGKA		GeneCard	
120 8	Diacylglycerol Kinase Epsilon	DGKE		GeneCard	
120 9	Diacylglycerol Kinase Eta	DGKH		GeneCard	
121 0	Diacylglycerol Kinase Theta	DGKQ		GeneCard	
121 1	24-Dehydrocholesterol Reductase	DHCR24		GeneCard	DisGenet
121 2	7-Dehydrocholesterol Reductase	DHCR7		GeneCard	DisGenet
121 3	Dihydrofolate Reductase	DHFR		GeneCard	
121 4	DEAH-Box Helicase 15	DHX15		GeneCard	
121 5	DEAH-Box Helicase 38	DHX38		GeneCard	
121 6	DEAH-box helicase 40	DHX40			DisGenet
121 7	DExH-Box Helicase 9	DHX9		GeneCard	
121 8	Diablo IAP-Binding Mitochondrial Protein	DIABLO		GeneCard	
121 9	Diaphanous Related Formin 1	DIAPH1		GeneCard	
122 0	Diaphanous Related Formin 2	DIAPH2		GeneCard	
122 1	Dicer 1, Ribonuclease III	DICER1		GeneCard	
122 2	Iodothyronine Deiodinase 2	DIO2		GeneCard	DisGenet
122 3	Disco Interacting Protein 2 Homolog A	DIP2A		GeneCard	
122 4	Dickkopf WNT Signaling Pathway Inhibitor 1	DKK1		GeneCard	DisGenet

122 5	Dickkopf WNT Signaling Pathway Inhibitor 3	DKK3		GeneCard	DisGenet
122 6	DLC1 Rho GTPase Activating Protein	DLC1		GeneCard	DisGenet
122 7	Dihydrolipoamide Dehydrogenase	DLD			DisGenet
122 8	DLEC1 Cilia and Flagella Associated Protein	DLEC1			DisGenet
122 9	Deleted In Lymphocytic Leukemia 1	DLEU1		GeneCard	
123 0	Deleted In Lymphocytic Leukemia 7	DLEU7		GeneCard	
123 1	Discs Large MAGUK Scaffold Protein 2	DLG2		GeneCard	
123 2	DLG Associated Protein 1	DLGAP1		GeneCard	
123 3	Delta Like Canonical Notch Ligand 4	DLL4		GeneCard	DisGenet
123 4	Distal-Less Homeobox 5	DLX5		GeneCard	
123 5	Distal Membrane Arm Assembly Component 2 Like	DMAC2L		GeneCard	
123 6	DNA Meiotic Recombinase 1	DMC1		GeneCard	
123 7	Dystrophin	DMD		GeneCard	DisGenet
123 8	Dentin Matrix Acidic Phosphoprotein 1	DMP1		GeneCard	
123 9	DM1 Protein Kinase	DMPK		GeneCard	
124 0	Doublesex And Mab-3 Related Transcription Factor 1	DMRT1		GeneCard	DisGenet
124 1	Doublesex And Mab-3 Related Transcription Factor 3	DMRT3		GeneCard	
124 2	DMRT Like Family A1	DMRTA1		GeneCard	
124 3	DM1 Locus, WD Repeat Containing	DMWD		GeneCard	
124 4	Dynein Axonemal Heavy Chain 10	DNAH10		GeneCard	



124 5	Dynein Axonemal Heavy Chain 5	DNAH5		GeneCard	
124 6	Dynein Axonemal Heavy Chain 8	DNAH8		GeneCard	DisGenet
124 7	Dynein Axonemal Heavy Chain 9	DNAH9		GeneCard	
124 8	DnaJ Heat Shock Protein Family (Hsp40) Member C19	DNAJC19		GeneCard	
124 9	Deoxyribonuclease 1	DNASE1		GeneCard	DisGenet
125 0	Deoxyribonuclease 1 Like 3	DNASE1L3		GeneCard	
125 1	Delta/Notch Like EGF Repeat	DNER			DisGenet
125 2	Dynamin 1 Like	DNM1L		GeneCard	DisGenet
125 3	Dynamin 2	DNM2		GeneCard	
125 4	Dynamin 3	DNM3		GeneCard	
125 5	DNA Methyltransferase 1	DNMT1		GeneCard	DisGenet
125 6	DNA Methyltransferase 3 Alpha	DNMT3A		GeneCard	
125 7	DNA Methyltransferase 3 Beta	DNMT3B		GeneCard	DisGenet
125 8	Dedicator Of Cytokinesis 1	DOCK1		GeneCard	
125 9	Dedicator Of Cytokinesis 2	DOCK2		GeneCard	
126 0	Dedicator Of Cytokinesis 4	DOCK4	OMIM	GeneCard	DisGenet
126 1	Dedicator Of Cytokinesis 6	DOCK6		GeneCard	
126 2	Dedicator Of Cytokinesis 7	DOCK7		GeneCard	
126 3	Dedicator Of Cytokinesis 9	DOCK9		GeneCard	
126 4	Dolichol Kinase	DOLK		GeneCard	

126 5	DOT1 Like Histone Lysine Methyltransferase	DOT1L		GeneCard	
126 6	Diphthamide Biosynthesis 3	DPH3		GeneCard	
126 7	Dolichyl-Phosphate Mannosyltransferase Subunit 3, Regulatory	DPM3		GeneCard	
126 8	Dipeptidyl Peptidase 4	DPP4		GeneCard	DisGenet
126 9	Dipeptidyl Peptidase 8	DPP8		GeneCard	DisGenet
127 0	Dipeptidyl Peptidase 9	DPP9		GeneCard	DisGenet
127 1	Developmental Pluripotency Associated 2	DPPA2		GeneCard	
127 2	Developmental Pluripotency Associated 3	DPPA3		GeneCard	
127 3	Divergent-Paired Related Homeobox Pseudogene 7	DPRXP7		GeneCard	
127 4	Dopamine Receptor D2	DRD2		GeneCard	
127 5	Desmocollin 1	DSC1			DisGenet
127 6	Desmocollin 2	DSC2		GeneCard	
127 7	DS Cell Adhesion Molecule Like 1	DSCAML1		GeneCard	
127 8	Down Syndrome Critical Region 10	DSCR10		GeneCard	
127 9	Desmoglein 2	DSG2		GeneCard	
128 0	DSG2 Antisense RNA 1	DSG2-AS1		GeneCard	
128 1	Desmoplakin	DSP		GeneCard	
128 2	Dentin Sialophosphoprotein	DSPP		GeneCard	DisGenet
128 3	Destrin, Actin Depolymerizing Factor	DSTN		GeneCard	
128 4	DTW Domain Containing 1	DTWD1		GeneCard	

128 5	Dual Oxidase 1	DUOX1		GeneCard	
128 6	Dual Oxidase 2	DUOX2		GeneCard	
128 7	Dual Specificity Phosphatase 1	DUSP1		GeneCard	DisGenet
128 8	Dual Specificity Phosphatase 16	DUSP16		GeneCard	
128 9	Dual Specificity Phosphatase 19	DUSP19		GeneCard	
129 0	Dual Specificity Phosphatase 2	DUSP2		GeneCard	
129 1	Dual Specificity Phosphatase 5	DUSP5			DisGenet
129 2	Dual Specificity Phosphatase 6	DUSP6		GeneCard	
129 3	Deoxyuridine Triphosphatase	DUT		GeneCard	
129 4	Dymeclin	DYM		GeneCard	DisGenet
129 5	Dynein Cytoplasmic 2 Light Intermediate Chain 1	DYNC2LI1		GeneCard	
129 6	Dynein Light Chain LC8-Type 1	DYNLL1			DisGenet
129 7	Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A	DYRK1A		GeneCard	
129 8	E2F Transcription Factor 1	E2F1		GeneCard	
129 9	E2F Transcription Factor 3	E2F3		GeneCard	
130 0	E2F Transcription Factor 8	E2F8		GeneCard	
130 1	Glutamyl-tRNA Synthetase 2, Mitochondrial	EARS2			DisGenet
130 2	EBF Transcription Factor 1	EBF1		GeneCard	DisGenet
130 3	Epstein-Barr Virus Induced 3	EBI3		GeneCard	DisGenet
130 4	Endogenous Bornavirus Like Nucleoprotein 1	EBLN1		GeneCard	

1305	EBNA1 binding protein 2	EBNA1BP2			DisGenet
1306	EBP Like	EBPL		GeneCard	
1307	Endothelin Converting Enzyme 1	ECE1		GeneCard	DisGenet
1308	Endothelin Converting Enzyme 2	ECE2		GeneCard	DisGenet
1309	Endothelial Cell Surface Expressed Chemotaxis and Apoptosis Regulator	ECSCR			DisGenet
1310	Ectodysplasin A	EDA			DisGenet
1311	Ectodysplasin A Receptor	EDAR		GeneCard	
1312	EDAR Associated Death Domain	EDARADD		GeneCard	
1313	ER Degradation Enhancing Alpha-Mannosidase Like Protein 2	EDEM2		GeneCard	
1314	Endothelin 1	EDN1		GeneCard	DisGenet
1315	Endothelin 2	EDN2		GeneCard	
1316	Endothelin 3	EDN3		GeneCard	DisGenet
1317	Endothelin Receptor Type A	EDNRA		GeneCard	DisGenet
1318	Endothelin Receptor Type B	EDNRB		GeneCard	DisGenet
1319	Embryonic Ectoderm Development	EED		GeneCard	
1320	Eukaryotic Translation Elongation Factor 1 Alpha 1	EEF1A1		GeneCard	
1321	Eukaryotic Translation Elongation Factor 1 Beta 2 Pseudogene 2	EEF1B2P2			DisGenet
1322	Eukaryotic Translation Elongation Factor 1 Epsilon 1	EEF1E1		GeneCard	
1323	Eukaryotic Elongation Factor 2 Kinase	EEF2K		GeneCard	
1324	EGF Containing Fibulin Extracellular Matrix Protein 1	EFEMP1		GeneCard	

132 5	EGF Containing Fibulin Extracellular Matrix Protein 2	EFEMP2		GeneCard	
132 6	Elongation Factor Like GTPase 1	EFL1		GeneCard	
132 7	Ephrin A2	EFNA2		GeneCard	
132 8	Ephrin A5	EFNA5		GeneCard	
132 9	Ephrin B1	EFNB1		GeneCard	DisGenet
133 0	Ephrin B2	EFNB2		GeneCard	
133 1	Epidermal Growth Factor	EGF		GeneCard	DisGenet
133 2	EGF Like Domain Multiple 7	EGFL7		GeneCard	DisGenet
133 3	Epidermal Growth Factor Receptor	EGFR		GeneCard	DisGenet
133 4	APOB 3' Scaffold/Matrix Attachment Region	EGID-106632268		GeneCard	
133 5	Egl-9 Family Hypoxia Inducible Factor 3	EGLN3			DisGenet
133 6	Early Growth Response 1	EGR1		GeneCard	DisGenet
133 7	Early Growth Response 3	EGR3		GeneCard	
133 8	Euchromatic Histone Lysine Methyltransferase 1	EHMT1			DisGenet
133 9	Euchromatic Histone Lysine Methyltransferase 2	EHMT2		GeneCard	
134 0	EP300 Interacting Inhibitor of Differentiation 1	EID1			DisGenet
134 1	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2	EIF2AK2		GeneCard	
134 2	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3	EIF2AK3		GeneCard	
134 3	Eukaryotic Translation Initiation Factor 2B Subunit Beta	EIF2B2		GeneCard	
134 4	Eukaryotic Translation Initiation Factor 2B Subunit Delta	EIF2B4		GeneCard	

1345	Eukaryotic Translation Initiation Factor 2 Subunit Alpha	EIF2S1		GeneCard	
1346	Eukaryotic Translation Initiation Factor 3 Subunit F Pseudogene 3	EIF3FP3		GeneCard	
1347	Eukaryotic Translation Initiation Factor 4B	EIF4B		GeneCard	
1348	Eukaryotic Translation Initiation Factor 4E	EIF4E		GeneCard	
1349	Eukaryotic Translation Initiation Factor 4E Binding Protein 1	EIF4EBP1		GeneCard	
1350	Eukaryotic Translation Initiation Factor 4E Nuclear Import Factor 1	EIF4ENIF1		GeneCard	
1351	Eukaryotic Translation Initiation Factor 4 Gamma 2	EIF4G2		GeneCard	
1352	Eukaryotic Translation Initiation Factor 6	EIF6		GeneCard	
1353	Elastase, Neutrophil Expressed	ELANE		GeneCard	DisGenet
1354	ELAV Like RNA Binding Protein 1	ELAVL1		GeneCard	DisGenet
1355	ELAV like RNA Binding Protein 2	ELAVL2			DisGenet
1356	ETS Transcription Factor ELK1	ELK1		GeneCard	DisGenet
1357	Engulfment and Cell Motility 1	ELMO1			DisGenet
1358	Elastin	ELN	OMIM	GeneCard	DisGenet
1359	Elongin A	ELOA		GeneCard	
1360	ELOVL Fatty Acid Elongase 2	ELOVL2		GeneCard	
1361	ELOVL Fatty Acid Elongase 5	ELOVL5		GeneCard	
1362	ELOVL Fatty Acid Elongase 6	ELOVL6			DisGenet
1363	ELOVL Fatty Acid Elongase 7	ELOVL7		GeneCard	
1364	ER Membrane Protein Complex Subunit 10	EMC10		GeneCard	

136 5	Emerin	EMD		GeneCard	
136 6	EMAP Like 1	EML1		GeneCard	
136 7	Epithelial Membrane Protein 1	EMP1		GeneCard	DisGenet
136 8	Endonuclease G	ENDOG		GeneCard	
136 9	Endoglin	ENG	OMIM	GeneCard	DisGenet
137 0	Energy Homeostasis Associated	ENHO		GeneCard	DisGenet
137 1	Enolase 1	ENO1		GeneCard	
137 2	Enolase 2	ENO2		GeneCard	
137 3	Enolase 3	ENO3		GeneCard	
137 4	Enolase Superfamily Member 1	ENOSF1		GeneCard	
137 5	Ecto-NOX Disulfide-Thiol Exchanger 1	ENOX1		GeneCard	
137 6	Ectonucleotide Pyrophosphatase/Phosphodiesterase 1	ENPP1		GeneCard	DisGenet
137 7	Ectonucleotide Pyrophosphatase/Phosphodiesterase 2	ENPP2		GeneCard	
137 8	Ectonucleotide Pyrophosphatase/Phosphodiesterase 7	ENPP7		GeneCard	DisGenet
137 9	Novel Transcript, Antisense To STEAP1B	ENSG00000232949		GeneCard	
138 0	Novel Transcript, Sense Overlapping CCDC71L	ENSG00000243797		GeneCard	
138 1	Novel Transcript	ENSG00000258672		GeneCard	
138 2	Hsa-Mir-423	ENSG00000266919		GeneCard	
138 3	Novel Transcript	ENSG00000267052		GeneCard	
138 4	Novel Transcript	ENSG00000269918		GeneCard	

138 5	La Ribonucleoprotein Domain Family, Member 1B (LARP1B) Pseudogene	ENSG00000271680		GeneCard	
138 6	TEC	ENSG00000280087		GeneCard	
138 7	Ectonucleoside Triphosphate Diphosphohydrolase 1	ENTPD1		GeneCard	DisGenet
138 8	Ectonucleoside Triphosphate Diphosphohydrolase 7	ENTPD7		GeneCard	
138 9	E1A Binding Protein P300	EP300		GeneCard	
139 0	Endothelial PAS Domain Protein 1	EPAS1		GeneCard	DisGenet
139 1	Erythrocyte Membrane Protein Band 4.1 Like 3	EPB41L3		GeneCard	
139 2	EPB41L4A Antisense RNA 1	EPB41L4A-AS1		GeneCard	
139 3	EPH Receptor A1	EPHA1		GeneCard	DisGenet
139 4	EPH Receptor A2	EPHA2		GeneCard	DisGenet
139 5	EPH Receptor A3	EPHA3		GeneCard	
139 6	EPH Receptor A6	EPHA6		GeneCard	
139 7	EPH Receptor B2	EPHB2		GeneCard	DisGenet
139 8	EPH Receptor B3	EPHB3		GeneCard	
139 9	Epoxide Hydrolase 1	EPHX1		GeneCard	
140 0	Epoxide hydrolase 2, cytoplasmic	EPHX2	OMIM	GeneCard	DisGenet
140 1	EPM2A Glucan Phosphatase, Laforin	EPM2A		GeneCard	
140 2	Epsin 1	EPN1		GeneCard	
140 3	Erythropoietin	EPO		GeneCard	DisGenet
140 4	Erythropoietin Receptor	EPOR		GeneCard	



140 5	Epididymal Peptidase Inhibitor	EPPIN		GeneCard	
140 6	Glutamyl-Prolyl-TRNA Synthetase 1	EPRS1		GeneCard	DisGenet
140 7	Epithelial Stromal Interaction 1	EPSTI1		GeneCard	
140 8	Endoplasmic Reticulum Aminopeptidase 1	ERAP1		GeneCard	
140 9	Erb-B2 Receptor Tyrosine Kinase 2	ERBB2		GeneCard	
141 0	Erb-B2 Receptor Tyrosine Kinase 4	ERBB4		GeneCard	
141 1	ErbB2 Interacting Protein	ERBIN		GeneCard	
141 2	ERCC Excision Repair 1, Endonuclease Non-Catalytic Subunit	ERCC1		GeneCard	
141 3	ERCC Excision Repair 2, TFIIH Core Complex Helicase Subunit	ERCC2		GeneCard	
141 4	ERCC Excision Repair 3, TFIIH Core Complex Helicase Subunit	ERCC3		GeneCard	
141 5	ERCC Excision Repair 4, Endonuclease Catalytic Subunit	ERCC4		GeneCard	
141 6	ERCC Excision Repair 5, Endonuclease	ERCC5		GeneCard	
141 7	ERCC Excision Repair 6, Chromatin Remodeling Factor	ERCC6		GeneCard	
141 8	ERCC Excision Repair 8, CSA Ubiquitin Ligase Complex Subunit	ERCC8	OMIM	GeneCard	
141 9	Epiregulin	EREG	OMIM	GeneCard	DisGenet
142 0	Erythroferrone	ERFE		GeneCard	
142 1	ETS Transcription Factor ERG	ERG		GeneCard	DisGenet
142 2	Endoplasmic Reticulum To Nucleus Signaling 1	ERN1		GeneCard	DisGenet
142 3	Endothelial Cell Adhesion Molecule	ESAM		GeneCard	DisGenet
142 4	Endothelial Cell Specific Molecule 1	ESM1		GeneCard	

142 5	Estrogen receptor 1	ESR1	OMIM	GeneCard	DisGenet
142 6	Estrogen Receptor 2	ESR2		GeneCard	DisGenet
142 7	Estrogen Related Receptor Alpha	ESRRA		GeneCard	
142 8	Estrogen Related Receptor Beta	ESRRB		GeneCard	
142 9	Ethanolamine-Phosphate Phospho-Lyase	ETNPPL		GeneCard	
143 0	ETS Proto-Oncogene 1, Transcription Factor	ETS1		GeneCard	DisGenet
143 1	ETS Proto-Oncogene 2, Transcription Factor	ETS2		GeneCard	
143 2	ETS Variant Transcription Factor 1	ETV1		GeneCard	
143 3	ETS Variant Transcription Factor 6	ETV6		GeneCard	
143 4	Eva-1 Homolog A, Regulator Of Programmed Cell Death	EVA1A		GeneCard	
143 5	Enah/Vasp-Like	EVL		GeneCard	
143 6	Envoplakin	EVPL			DisGenet
143 7	Even-Skipped Homeobox 1	EVX1		GeneCard	
143 8	Even-Skipped Homeobox 2	EVX2		GeneCard	
143 9	Exonuclease 1	EXO1		GeneCard	
144 0	Exosome Component 4	EXOSC4		GeneCard	
144 1	EYA Transcriptional Coactivator and Phosphatase 1	EYA1		GeneCard	
144 2	EYA Transcriptional Coactivator and Phosphatase 4	EYA4		GeneCard	
144 3	Eyes Shut Homolog	EYS		GeneCard	
144 4	Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit	EZH2		GeneCard	DisGenet

144 5	Coagulation Factor X	F10		GeneCard	DisGenet
144 6	Coagulation Factor XI	F11		GeneCard	DisGenet
144 7	F11 Antisense RNA 1	F11-AS1		GeneCard	
144 8	F11 Receptor	F11R		GeneCard	DisGenet
144 9	Coagulation Factor XII	F12		GeneCard	DisGenet
145 0	Coagulation Factor XIII A Chain	F13A1	OMIM	GeneCard	DisGenet
145 1	Coagulation Factor XIII B Chain	F13B		GeneCard	
145 2	Coagulation Factor II, Thrombin	F2	OMIM	GeneCard	DisGenet
145 3	Coagulation Factor II Thrombin Receptor	F2R		GeneCard	DisGenet
145 4	F2R Like Trypsin Receptor 1	F2RL1		GeneCard	DisGenet
145 5	Coagulation Factor II Thrombin Receptor Like 2	F2RL2		GeneCard	
145 6	F2R Like Thrombin Or Trypsin Receptor 3	F2RL3		GeneCard	
145 7	Coagulation Factor III, Tissue Factor	F3		GeneCard	DisGenet
145 8	Coagulation Factor V	F5	OMIM	GeneCard	DisGenet
145 9	Coagulation Factor VII	F7	OMIM	GeneCard	DisGenet
146 0	Coagulation Factor VIII	F8		GeneCard	
146 1	Coagulation Factor IX	F9		GeneCard	
146 2	Fatty Acid 2-Hydroxylase	FA2H		GeneCard	DisGenet
146 3	Fatty Acid Binding Protein 12	FABP12		GeneCard	
146 4	Fatty Acid Binding Protein 2	FABP2		GeneCard	DisGenet

146 5	Fatty Acid Binding Protein 3	FABP3		GeneCard	DisGenet
146 6	Fatty Acid Binding Protein 4	FABP4	OMIM	GeneCard	DisGenet
146 7	Fatty Acid Binding Protein 5	FABP5		GeneCard	DisGenet
146 8	Fatty Acid Binding Protein 6	FABP6		GeneCard	
146 9	Fas Associated Via Death Domain	FADD		GeneCard	
147 0	Fatty Acid Desaturase 1	FADS1		GeneCard	DisGenet
147 1	Fatty Acid Desaturase 2	FADS2		GeneCard	DisGenet
147 2	Fatty Acid Desaturase 3	FADS3		GeneCard	
147 3	Fumarylacetoacetate Hydrolase	FAH		GeneCard	
147 4	Family With Sequence Similarity 126 Member A	FAM126A		GeneCard	
147 5	Family With Sequence Similarity 13 Member A	FAM13A		GeneCard	
147 6	Family With Sequence Similarity 186 Member A	FAM186A		GeneCard	
147 7	FAM20C Golgi Associated Secretory Pathway Kinase	FAM20C		GeneCard	DisGenet
147 8	Family With Sequence Similarity 223 Member A	FAM223A		GeneCard	
147 9	Family With Sequence Similarity 89 Member A	FAM89A		GeneCard	
148 0	FA Complementation Group A	FANCA		GeneCard	
148 1	Fibroblast Activation Protein Alpha	FAP		GeneCard	DisGenet
148 2	Phenylalanyl-TRNA Synthetase 2, Mitochondrial	FARS2		GeneCard	
148 3	Fas Cell Surface Death Receptor	FAS		GeneCard	DisGenet
148 4	Fas Ligand	FASLG		GeneCard	DisGenet

148 5	Fatty Acid Synthase	FASN		GeneCard	
148 6	FAT Atypical Cadherin 1	FAT1			DisGenet
148 7	FAT Atypical Cadherin 4	FAT4		GeneCard	
148 8	Filamin Binding LIM Protein 1	FBLIM1		GeneCard	
148 9	Fibulin 1	FBLN1		GeneCard	
149 0	Fibulin 2	FBLN2			DisGenet
149 1	Fibulin 5	FBLN5		GeneCard	
149 2	Fibrillin 1	FBN1		GeneCard	
149 3	Fibrillin 2	FBN2		GeneCard	
149 4	Fibrosin	FBRS			DisGenet
149 5	F-Box Protein 15	FBXO15		GeneCard	
149 6	F-Box Protein 3	FBXO3		GeneCard	DisGenet
149 7	F-Box Protein 32	FBXO32		GeneCard	
149 8	F-Box Protein 33	FBXO33		GeneCard	
149 9	F-Box Protein 38	FBXO38		GeneCard	
150 0	F-box Protein 8	FBXO8			DisGenet
150 1	F-Box and WD Repeat Domain Containing 2	FBXW2		GeneCard	
150 2	F-Box and WD Repeat Domain Containing 7	FBXW7		GeneCard	
150 3	Fc Alpha and Mu Receptor	FCAMR		GeneCard	
150 4	Fc Gamma Receptor Ia	FCGR1A		GeneCard	

150 5	Fc Gamma Receptor IIa	FCGR2A		GeneCard	DisGenet
150 6	Fc Gamma Receptor IIb	FCGR2B		GeneCard	DisGenet
150 7	Fc Gamma Receptor IIc (Gene/Pseudogene)	FCGR2C		GeneCard	
150 8	Fc Gamma Receptor IIIa	FCGR3A		GeneCard	DisGenet
150 9	Fc Gamma Receptor IIIb	FCGR3B		GeneCard	DisGenet
151 0	Fc Gamma Receptor and Transporter	FCGRT		GeneCard	
151 1	Fc Mu Receptor	FCMR		GeneCard	
151 2	Ficolin 2	FCN2		GeneCard	
151 3	Ficolin 3	FCN3		GeneCard	
151 4	Fc Receptor Like 3	FCRL3		GeneCard	
151 5	Fc Receptor Like 6	FCRL6		GeneCard	DisGenet
151 6	Farnesyl-Diphosphate Farnesyltransferase 1	FDFT1		GeneCard	
151 7	Farnesyl Diphosphate Synthase	FDPS			DisGenet
151 8	Ferredoxin 1	FDX1		GeneCard	
151 9	Fem-1 Homolog A	FEM1A		GeneCard	
152 0	Fem-1 Homolog B	FEM1B		GeneCard	
152 1	Flap Structure-Specific Endonuclease 1	FEN1		GeneCard	
152 2	FERM Domain Containing Kindlin 3	FERMT3		GeneCard	
152 3	Fetuin B	FETUB		GeneCard	DisGenet
152 4	Free Fatty Acid Receptor 1	FFAR1		GeneCard	DisGenet

152 5	Free Fatty Acid Receptor 4	FFAR4		GeneCard	DisGenet
152 6	Fibrinogen Alpha Chain	FGA	OMIM	GeneCard	DisGenet
152 7	Fibrinogen Beta Chain	FGB	OMIM	GeneCard	DisGenet
152 8	Fibroblast Growth Factor 1	FGF1		GeneCard	DisGenet
152 9	Fibroblast Growth Factor 10	FGF10		GeneCard	
153 0	Fibroblast Growth Factor 12	FGF12		GeneCard	DisGenet
153 1	Fibroblast Growth Factor 13	FGF13			DisGenet
153 2	Fibroblast Growth Factor 14	FGF14		GeneCard	
153 3	Fibroblast Growth Factor 19	FGF19		GeneCard	DisGenet
153 4	Fibroblast Growth Factor 2	FGF2		GeneCard	DisGenet
153 5	Fibroblast Growth Factor 21	FGF21		GeneCard	DisGenet
153 6	Fibroblast Growth Factor 23	FGF23		GeneCard	DisGenet
153 7	Fibroblast Growth Factor 3	FGF3		GeneCard	
153 8	Fibroblast Growth Factor 4	FGF4		GeneCard	
153 9	Fibroblast Growth Factor 6	FGF6		GeneCard	
154 0	Fibroblast Growth Factor 7	FGF7		GeneCard	
154 1	Fibroblast Growth Factor 9	FGF9		GeneCard	
154 2	Fibroblast Growth Factor Receptor 1	FGFR1		GeneCard	DisGenet
154 3	Fibroblast Growth Factor Receptor 2	FGFR2		GeneCard	
154 4	Fibroblast Growth Factor Receptor 3	FGFR3		GeneCard	

154 5	Fibroblast Growth Factor Receptor 4	FGFR4		GeneCard	DisGenet
154 6	Fibrinogen Gamma Chain	FGG		GeneCard	DisGenet
154 7	Fumarate Hydratase	FH		GeneCard	
154 8	Four And A Half LIM Domains 1	FHL1		GeneCard	
154 9	Four And A Half LIM Domains 2	FHL2		GeneCard	DisGenet
155 0	Four And A Half LIM Domains 5	FHL5		GeneCard	
155 1	Formin Homology 2 Domain Containing 3	FHOD3		GeneCard	
155 2	Folliculogenesis Specific BHLH Transcription Factor	FIGLA		GeneCard	
155 3	Factor Interacting with PAPOLA and CPSF1	FIP1L1		GeneCard	
155 4	Fasting Glucose and Specific Insulin Levels	FIQTL1			DisGenet
155 5	FKBP Prolyl Isomerase 1A	FKBP1A		GeneCard	
155 6	FKBP Prolyl Isomerase 1B	FKBP1B		GeneCard	
155 7	Fukutin Related Protein	FKRP		GeneCard	
155 8	Fukutin	FKTN		GeneCard	
155 9	Filamin A	FLNA		GeneCard	DisGenet
156 0	Filamin B	FLNB		GeneCard	
156 1	Filamin C	FLNC		GeneCard	
156 2	FLNC Antisense RNA 1	FLNC-AS1		GeneCard	
156 3	Fibronectin Leucine Rich Transmembrane Protein 2	FLRT2		GeneCard	
156 4	Fms Related Receptor Tyrosine Kinase 1	FLT1		GeneCard	DisGenet



156 5	Fms Related Receptor Tyrosine Kinase 4	FLT4		GeneCard	DisGenet
156 6	FLYWCH-Type Zinc Finger 1	FLYWCH1		GeneCard	
156 7	Formin 1	FMN1		GeneCard	
156 8	Formin 2	FMN2		GeneCard	
156 9	Formin Like 2	FMNL2		GeneCard	
157 0	Flavin Containing Dimethylaniline Monooxygenase 3	FMO3		GeneCard	DisGenet
157 1	Fibromodulin	FMOD		GeneCard	DisGenet
157 2	Fragile X Messenger Ribonucleoprotein 1	FMR1		GeneCard	
157 3	Fibronectin 1	FN1		GeneCard	DisGenet
157 4	Fibronectin Type III Domain Containing 4	FNDC4		GeneCard	
157 5	Fibronectin Type III Domain Containing 5	FNDC5		GeneCard	DisGenet
157 6	Folate Hydrolase 1	FOLH1		GeneCard	
157 7	Folate Receptor Beta	FOLR2		GeneCard	DisGenet
157 8	FOS Proto-Oncogene, AP-1 Transcription Factor Subunit	FOS		GeneCard	DisGenet
157 9	FOSB Proto-Oncogene, AP-1 Transcription Factor Subunit	FOSB		GeneCard	DisGenet
158 0	FOS Like 1, AP-1 Transcription Factor Subunit	FOSL1		GeneCard	
158 1	FOS Like 2, AP-1 Transcription Factor Subunit	FOSL2		GeneCard	
158 2	Forkhead Box A1	FOXA1		GeneCard	
158 3	Forkhead Box A2	FOXA2		GeneCard	
158 4	Forkhead Box A3	FOXA3		GeneCard	DisGenet

158 5	Forkhead Box B1	FOXB1		GeneCard	
158 6	Forkhead Box C1	FOXC1		GeneCard	
158 7	Forkhead Box C2	FOXC2		GeneCard	
158 8	Forkhead Box D4	FOXD4		GeneCard	
158 9	Forkhead Box E1	FOXE1		GeneCard	
159 0	Forkhead Box E3	FOXE3		GeneCard	
159 1	Forkhead Box J1	FOXJ1		GeneCard	
159 2	Forkhead Box L2	FOXL2		GeneCard	
159 3	Forkhead Box M1	FOXM1		GeneCard	DisGenet
159 4	Forkhead Box O1	FOXO1		GeneCard	DisGenet
159 5	Forkhead Box O3	FOXO3		GeneCard	DisGenet
159 6	Forkhead Box O4	FOXO4		GeneCard	DisGenet
159 7	Forkhead Box P1	FOXP1		GeneCard	DisGenet
159 8	Forkhead Box P2	FOXP2		GeneCard	
159 9	Forkhead Box P3	FOXP3		GeneCard	DisGenet
160 0	Folypolyglutamate Synthase	FPGS		GeneCard	
160 1	Formyl Peptide Receptor 1	FPR1		GeneCard	
160 2	Formyl Peptide Receptor 2	FPR2		GeneCard	DisGenet
160 3	Fibroblast Growth Factor Receptor Substrate 2	FRS2		GeneCard	DisGenet
160 4	Fibronectin Type III and SPRY Domain Containing 2	FSD2		GeneCard	

1605	Follicle Stimulating Hormone Subunit Beta	FSHB		GeneCard	
1606	Facioscapulohumeral Muscular Dystrophy 1A	FSHMD1A			DisGenet
1607	Follicle Stimulating Hormone Receptor	FSHR		GeneCard	
1608	Follistatin	FST		GeneCard	DisGenet
1609	Follistatin Like 1	FSTL1		GeneCard	
1610	Follistatin Like 3	FSTL3			DisGenet
1611	Ferritin Heavy Chain 1	FTH1		GeneCard	DisGenet
1612	FTO Alpha-Ketoglutarate Dependent Dioxygenase	FTO		GeneCard	DisGenet
1613	Furin, Paired Basic Amino Acid Cleaving Enzyme	FURIN		GeneCard	DisGenet
1614	FUS RNA Binding Protein	FUS		GeneCard	
1615	Fucosyltransferase 3 (Lewis Blood Group)	FUT3		GeneCard	DisGenet
1616	Fucosyltransferase 4	FUT4		GeneCard	
1617	Fucosyltransferase 7	FUT7		GeneCard	DisGenet
1618	Fucosyltransferase 8	FUT8			DisGenet
1619	FYN Proto-Oncogene, Src Family Tyrosine Kinase	FYN		GeneCard	DisGenet
1620	Frizzled Class Receptor 5	FZD5			DisGenet
1621	Frizzled Class Receptor 8	FZD8		GeneCard	
1622	G0/G1 Switch 2	G0S2		GeneCard	
1623	G3BP Stress Granule Assembly Factor 1	G3BP1		GeneCard	
1624	Glucose-6-Phosphatase Catalytic Subunit 1	G6PC1		GeneCard	

162 5	Glucose-6-Phosphatase Catalytic Subunit 2	G6PC2		GeneCard	
162 6	Glucose-6-Phosphate Dehydrogenase	G6PD		GeneCard	
162 7	Alpha Glucosidase	GAA		GeneCard	
162 8	GRB2 Associated Binding Protein 1	GAB1		GeneCard	
162 9	GA Binding Protein Transcription Factor Subunit Alpha	GABPA			DisGenet
163 0	Gamma-Aminobutyric Acid Type A Receptor Subunit Gamma1	GABRG1		GeneCard	
163 1	Glutamate Decarboxylase 2	GAD2		GeneCard	
163 2	Growth Arrest and DNA Damage Inducible Alpha	GADD45A		GeneCard	DisGenet
163 3	Growth Arrest and DNA Damage Inducible Gamma	GADD45G		GeneCard	
163 4	Galanin And GMAP Prepropeptide	GAL		GeneCard	
163 5	Galactose-3-O-Sulfotransferase 1	GAL3ST1			DisGenet
163 6	Galactokinase 1	GALK1		GeneCard	
163 7	Galactosamine (N-Acetyl)-6-Sulfatase	GALNS		GeneCard	
163 8	Polypeptide N-Acetylgalactosaminyltransferase 10	GALNT10		GeneCard	
163 9	Polypeptide N-Acetylgalactosaminyltransferase 2	GALNT2		GeneCard	
164 0	Polypeptide N-Acetylgalactosaminyltransferase 3	GALNT3		GeneCard	
164 1	Galactose-1-Phosphate Uridyltransferase	GALT		GeneCard	
164 2	Glucosidase II Alpha Subunit	GANAB		GeneCard	
164 3	Glucosidase Alpha, Neutral C	GANC		GeneCard	
164 4	Glyceraldehyde-3-Phosphate Dehydrogenase	GAPDH		GeneCard	

164 5	Glyceraldehyde 3 Phosphate Dehydrogenase Pseudogene 28	GAPDHP28		GeneCard	
164 6	Growth Arrest Specific 5	GAS5		GeneCard	DisGenet
164 7	GAS5 Antisense RNA 1	GAS5-AS1		GeneCard	
164 8	Growth Arrest Specific 6	GAS6		GeneCard	DisGenet
164 9	Gastrin	GAST		GeneCard	DisGenet
165 0	GATA Binding Protein 2	GATA2		GeneCard	DisGenet
165 1	GATA Binding Protein 3	GATA3		GeneCard	
165 2	GATA Binding Protein 4	GATA4		GeneCard	DisGenet
165 3	GATA Binding Protein 5	GATA5		GeneCard	
165 4	GATA Binding Protein 6	GATA6		GeneCard	
165 5	GATA Zinc Finger Domain Containing 1	GATAD1		GeneCard	
165 6	Glutamine Amidotransferase Like Class 1 Domain Containing 3A	GATD3A			DisGenet
165 7	Glutamine Amidotransferase Like Class 1 Domain Containing 3B	GATD3B			DisGenet
165 8	Glycine Amidinotransferase	GATM		GeneCard	
165 9	Glucosylceramidase Beta	GBA		GeneCard	
166 0	Guanylate Binding Protein 1	GBP1		GeneCard	
166 1	GC Vitamin D Binding Protein	GC		GeneCard	DisGenet
166 2	Grancalcin	GCA			DisGenet
166 3	Glucagon	GCG	OMIM	GeneCard	DisGenet
166 4	Glucagon Receptor	GCGR			DisGenet

166 5	GTP Cyclohydrolase 1	GCH1		GeneCard	DisGenet
166 6	Glucokinase	GCK		GeneCard	DisGenet
166 7	Glucokinase Regulator	GCKR		GeneCard	DisGenet
166 8	Glutamate-Cysteine Ligase Catalytic Subunit	GCLC	OMIM	GeneCard	
166 9	Glutamate-Cysteine Ligase Modifier Subunit	GCLM	OMIM	GeneCard	DisGenet
167 0	GCOM1, MYZAP-POLR2M Combined Locus	GCOM1		GeneCard	
167 1	Glycerophosphodiester Phosphodiesterase 1	GDE1		GeneCard	
167 2	Growth Differentiation Factor 10	GDF10		GeneCard	
167 3	Growth Differentiation Factor 11	GDF11		GeneCard	DisGenet
167 4	Growth Differentiation Factor 15	GDF15		GeneCard	DisGenet
167 5	Growth Differentiation Factor 2	GDF2		GeneCard	DisGenet
167 6	Growth Differentiation Factor 9	GDF9		GeneCard	
167 7	Glial Cell Derived Neurotrophic Factor	GDNF		GeneCard	
167 8	Glial Fibrillary Acidic Protein	GFAP		GeneCard	
167 9	Growth Factor, Augmenter of Liver Regeneration	GFER			DisGenet
168 0	G elongation Factor Mitochondrial 1	GFM1			DisGenet
168 1	Glutamine--Fructose-6-Phosphate Transaminase 1	GFPT1		GeneCard	
168 2	Glutamine-Fructose-6-Phosphate Transaminase 2	GFPT2		GeneCard	
168 3	GDNF Family Receptor Alpha Like	GFRAL		GeneCard	
168 4	Gamma-Glutamyl Carboxylase	GGCX	OMIM	GeneCard	DisGenet

1685	Geranylgeranyl Diphosphate Synthase 1	GGPS1		GeneCard	
1686	Gamma-Glutamyltransferase 1	GGT1		GeneCard	
1687	Gamma-Glutamyltransferase 2, Pseudogene	GGT2P		GeneCard	
1688	Gamma-Glutamyltransferase Light Chain 1	GGTLC1			DisGenet
1689	Growth Hormone 1	GH1		GeneCard	DisGenet
1690	Growth Hormone Receptor	GHR	OMIM	GeneCard	
1691	Growth Hormone Releasing Hormone	GHRH		GeneCard	
1692	Growth Hormone Releasing Hormone Receptor	GHRHR	OMIM	GeneCard	DisGenet
1693	Ghrelin And Obestatin Prepropeptide	GHRL		GeneCard	DisGenet
1694	Growth Hormone Secretagogue Receptor	GHSR		GeneCard	DisGenet
1695	GTPase, IMAP Family Member 5	GIMAP5		GeneCard	
1696	Gastric Inhibitory Polypeptide	GIP		GeneCard	DisGenet
1697	GIPC PDZ Domain Containing Family Member 1	GIPC1		GeneCard	
1698	Gap Junction Protein Alpha 1	GJA1		GeneCard	DisGenet
1699	Gap Junction Protein Alpha 4	GJA4	OMIM	GeneCard	DisGenet
1700	Gap Junction Protein Alpha 5	GJA5		GeneCard	DisGenet
1701	Gap Junction Protein Beta 1	GJB1		GeneCard	
1702	GJD2 Divergent Transcript	GJD2-DT		GeneCard	
1703	Galactosidase Alpha	GLA		GeneCard	
1704	Galactosidase Beta 1	GLB1	OMIM	GeneCard	

170 5	Glycine Decarboxylase	GLDC		GeneCard	
170 6	GLI Family Zinc Finger 2	GLI2			DisGenet
170 7	Glomulin, FKBP Associated Protein	GLMN		GeneCard	
170 8	Glyoxalase I	GLO1		GeneCard	DisGenet
170 9	Glucagon Like Peptide 1 Receptor	GLP1R		GeneCard	DisGenet
171 0	Glycine Receptor Alpha 3	GLRA3		GeneCard	
171 1	Glutaredoxin	GLRX		GeneCard	DisGenet
171 2	Glutaredoxin Pseudogene 2	GLRXP2		GeneCard	
171 3	Glutaminase 2	GLS2		GeneCard	
171 4	Glycolipid Transfer Protein Domain Containing 2	GLTPD2		GeneCard	
171 5	G Protein Subunit Alpha 11	GNA11		GeneCard	
171 6	G Protein Subunit Alpha 12	GNA12		GeneCard	
171 7	G Protein Subunit Alpha 15	GNA15		GeneCard	
171 8	G Protein Subunit Alpha I1	GNAI1		GeneCard	
171 9	G Protein Subunit Alpha I2	GNAI2		GeneCard	
172 0	G Protein Subunit Alpha Q	GNAQ		GeneCard	
172 1	GNAS Complex Locus	GNAS		GeneCard	
172 2	G Protein Subunit Beta 3	GNB3		GeneCard	DisGenet
172 3	G Protein Subunit Gamma Transducin 1	GNGT1		GeneCard	
172 4	Glycine N-Methyltransferase	GNMT		GeneCard	



172 5	Glucosamine-6-Phosphate Deaminase 2	GNPDA2		GeneCard	
172 6	Gonadotropin Releasing Hormone 1	GNRH1		GeneCard	
172 7	Golgin A6 Family Member A	GOLGA6A			DisGenet
172 8	Golgin B1	GOLGB1		GeneCard	DisGenet
172 9	Golgin, RAB6 Interacting	GORAB		GeneCard	
173 0	Golgi Reassembly Stacking Protein 1	GORASP1		GeneCard	DisGenet
173 1	Golgi SNAP Receptor Complex Member 2	GOSR2		GeneCard	DisGenet
173 2	Glutamic-Oxaloacetic Transaminase 2	GOT2		GeneCard	DisGenet
173 3	Glycoprotein Ib Platelet Subunit Alpha	GP1BA		GeneCard	DisGenet
173 4	Glycoprotein Ib Platelet Subunit Beta	GP1BB		GeneCard	
173 5	Glycoprotein V Platelet	GP5		GeneCard	
173 6	Glycoprotein VI Platelet	GP6		GeneCard	DisGenet
173 7	Glycoprotein IX Platelet	GP9		GeneCard	
173 8	Glycerol-3-Phosphate Acyltransferase, Mitochondrial	GPAM		GeneCard	
173 9	G Protein-Coupled Bile Acid Receptor 1	GPBAR1		GeneCard	DisGenet
174 0	GC-Rich Promoter Binding Protein 1	GPBP1	OMIM	GeneCard	
174 1	Glypican 1	GPC1		GeneCard	
174 2	Glypican 5	GPC5		GeneCard	
174 3	Glycerol-3-Phosphate Dehydrogenase 2	GPD2		GeneCard	
174 4	G Protein-Coupled Estrogen Receptor 1	GPER1		GeneCard	DisGenet

174 5	Glucose-6-Phosphate Isomerase	GPI			DisGenet
174 6	Glycosylphosphatidylinositol Anchored High Density Lipoprotein Binding Protein 1	GPIHBP1		GeneCard	DisGenet
174 7	Glycosylphosphatidylinositol Specific Phospholipase D1	GPLD1		GeneCard	
174 8	Glycoprotein M6A	GPM6A		GeneCard	
174 9	G Protein-Coupled Receptor 119	GPR119		GeneCard	DisGenet
175 0	G Protein-Coupled Receptor 132	GPR132		GeneCard	
175 1	G Protein-Coupled Receptor 146	GPR146		GeneCard	
175 2	G Protein-Coupled Receptor 162	GPR162			DisGenet
175 3	G Protein-Coupled Receptor 182	GPR182		GeneCard	
175 4	G Protein-Coupled Receptor 25	GPR25		GeneCard	
175 5	G Protein-Coupled Receptor 26	GPR26		GeneCard	
175 6	G Protein-Coupled Receptor 3	GPR3		GeneCard	
175 7	G Protein-Coupled Receptor 32	GPR32		GeneCard	
175 8	G Protein-Coupled Receptor 35	GPR35		GeneCard	
175 9	G Protein-Coupled Receptor 37 Like 1	GPR37L1		GeneCard	
176 0	G Protein-Coupled Receptor 39	GPR39			DisGenet
176 1	G Protein-Coupled Receptor 42 (gene/pseudogene)	GPR42			DisGenet
176 2	G Protein-Coupled Receptor 55	GPR55		GeneCard	DisGenet
176 3	G Protein-Coupled Receptor 65	GPR65		GeneCard	
176 4	G Protein-Coupled Receptor 68	GPR68		GeneCard	

176 5	G Protein-Coupled Receptor Class C Group 5 Member B	GPRC5B		GeneCard	
176 6	G Protein Pathway Suppressor 2	GPS2		GeneCard	
176 7	G Protein Signaling Modulator 2	GPSM2		GeneCard	
176 8	Glutamic--Pyruvic Transaminase	GPT		GeneCard	
176 9	Glutathione Peroxidase 1	GPX1		GeneCard	DisGenet
177 0	Glutathione Peroxidase 3	GPX3		GeneCard	
177 1	Glutathione Peroxidase 4	GPX4		GeneCard	DisGenet
177 2	GRAM Domain Containing 1C	GRAMD1C		GeneCard	
177 3	GRB2 Related Adaptor Protein 2	GRAP2			DisGenet
177 4	Growth Factor Receptor Bound Protein 2	GRB2		GeneCard	
177 5	Gremlin 1, DAN Family BMP Antagonist	GREM1		GeneCard	DisGenet
177 6	Glutamate Ionotropic Receptor AMPA Type Subunit 3	GRIA3		GeneCard	
177 7	Glutamate Ionotropic Receptor Delta Type Subunit 1	GRID1		GeneCard	
177 8	Glutamate Ionotropic Receptor NMDA Type Subunit 3A	GRIN3A		GeneCard	
177 9	Glutamate Receptor Interacting Protein 1	GRIP1		GeneCard	
178 0	G Protein-Coupled Receptor Kinase 2	GRK2		GeneCard	
178 1	G Protein-Coupled Receptor Kinase 4	GRK4		GeneCard	
178 2	G Protein-Coupled Receptor Kinase 6	GRK6		GeneCard	
178 3	Glutamate Metabotropic Receptor 8	GRM8		GeneCard	
178 4	Granulin Precursor	GRN		GeneCard	DisGenet

178 5	Gastrin Releasing Peptide	GRP		GeneCard	
178 6	Goosecoid Homeobox 2	GSC2		GeneCard	
178 7	GSC Divergent Transcript	GSC-DT		GeneCard	DisGenet
178 8	Gasdermin E	GSDME		GeneCard	
178 9	Glycogen Synthase Kinase 3 Alpha	GSK3A		GeneCard	
179 0	Glycogen Synthase Kinase 3 Beta	GSK3B		GeneCard	DisGenet
179 1	Gelsolin	GSN		GeneCard	
179 2	Glutathione-Disulfide Reductase	GSR		GeneCard	DisGenet
179 3	Glutathione Synthetase	GSS		GeneCard	
179 4	Glutathione S-Transferase Alpha 4	GSTA4		GeneCard	
179 5	Glutathione S-Transferase C-Terminal Domain Containing	GSTCD		GeneCard	
179 6	Glutathione S-Transferase Kappa 1	GSTK1			DisGenet
179 7	Glutathione S-Transferase Mu 1	GSTM1		GeneCard	DisGenet
179 8	Glutathione S-Transferase Mu 2	GSTM2		GeneCard	DisGenet
179 9	Glutathione S-Transferase Mu 3	GSTM3		GeneCard	
180 0	Glutathione S-Transferase Mu 4	GSTM4		GeneCard	
180 1	Glutathione S-Transferase Mu 5	GSTM5		GeneCard	
180 2	Glutathione S-Transferase Omega 1	GSTO1		GeneCard	DisGenet
180 3	Glutathione S-Transferase Omega 2	GSTO2		GeneCard	
180 4	Glutathione S-Transferase Pi 1	GSTP1		GeneCard	

180 5	Glutathione S-Transferase Theta 1	GSTT1		GeneCard	DisGenet
180 6	Glutathione S-Transferase Zeta 1	GSTZ1		GeneCard	
180 7	General Transcription Factor IIE Subunit 2	GTF2E2		GeneCard	
180 8	General Transcription Factor IIH Subunit 1	GTF2H1		GeneCard	DisGenet
180 9	General Transcription Factor IIH Subunit 2	GTF2H2		GeneCard	
181 0	General Transcription Factor IIH Subunit 3	GTF2H3		GeneCard	
181 1	General Transcription Factor IIH Subunit 4	GTF2H4		GeneCard	
181 2	General Transcription Factor IIIA	GTF3A			DisGenet
181 3	Gilles de la Tourette Syndrome	GTS			DisGenet
181 4	Guanylate Cyclase 1 Soluble Subunit Alpha 1	GUCY1A1		GeneCard	DisGenet
181 5	GULP PTB Domain Containing Engulfment Adaptor 1	GULP1		GeneCard	
181 6	Glucuronidase Beta	GUSB		GeneCard	
181 7	Glycogenin 1	GYG1		GeneCard	
181 8	Glycophorin A (MNS Blood Group)	GYPA		GeneCard	
181 9	Glycophorin C (Gerbich Blood Group)	GYPC		GeneCard	DisGenet
182 0	Granzyme B	GZMB		GeneCard	DisGenet
182 1	H1.0 Linker Histone	H1-0		GeneCard	
182 2	H1.1 Linker Histone, Cluster Member	H1-1		GeneCard	
182 3	H19 Imprinted Maternally Expressed Transcript	H19	OMIM	GeneCard	DisGenet
182 4	H2A Clustered Histone 1	H2AC1		GeneCard	

182 5	H2A Clustered Histone 18	H2AC18		GeneCard	
182 6	H2A Clustered Histone 20	H2AC20		GeneCard	
182 7	H2A.X Variant Histone	H2AX		GeneCard	
182 8	H2B Clustered Histone 21	H2BC21		GeneCard	
182 9	H2B Clustered Histone 3	H2BC3		GeneCard	
183 0	H3.3 Histone A	H3-3A		GeneCard	
183 1	H3.3 Histone B	H3-3B		GeneCard	
183 2	H3.7 Histone (Putative)	H3-7		GeneCard	
183 3	H3 Clustered Histone 1	H3C1		GeneCard	
183 4	H3 Clustered Histone 10	H3C10		GeneCard	
183 5	H3 Clustered Histone 11	H3C11		GeneCard	
183 6	H3 Clustered Histone 12	H3C12		GeneCard	
183 7	H3 Clustered Histone 2	H3C2		GeneCard	
183 8	H3 Clustered Histone 3	H3C3		GeneCard	
183 9	H3 Clustered Histone 4	H3C4		GeneCard	
184 0	H3 Clustered Histone 6	H3C6		GeneCard	
184 1	H3 Clustered Histone 7	H3C7		GeneCard	
184 2	H3 Clustered Histone 8	H3C8		GeneCard	
184 3	H3 Histone Pseudogene 10	H3P10			DisGenet
184 4	H3 Histone Pseudogene 23	H3P23			DisGenet

184 5	H3 Histone Pseudogene 28	H3P28			DisGenet
184 6	H3 Histone Pseudogene 31	H3P31			DisGenet
184 7	H4 Histone 16	H4-16		GeneCard	DisGenet
184 8	H4 Clustered Histone 1	H4C1		GeneCard	DisGenet
184 9	H4 Clustered Histone 11	H4C11		GeneCard	DisGenet
185 0	H4 Clustered Histone 12	H4C12		GeneCard	DisGenet
185 1	H4 Clustered Histone 13	H4C13		GeneCard	DisGenet
185 2	H4 Clustered Histone 14	H4C14		GeneCard	DisGenet
185 3	H4 Clustered Histone 15	H4C15		GeneCard	DisGenet
185 4	H4 Clustered Histone 2	H4C2		GeneCard	DisGenet
185 5	H4 Clustered Histone 3	H4C3		GeneCard	DisGenet
185 6	H4 Clustered Histone 4	H4C4		GeneCard	DisGenet
185 7	H4 Clustered Histone 5	H4C5		GeneCard	DisGenet
185 8	H4 Clustered Histone 6	H4C6		GeneCard	DisGenet
185 9	H4 Clustered Histone 8	H4C8		GeneCard	DisGenet
186 0	H4 Clustered Histone 9	H4C9		GeneCard	DisGenet
186 1	Hexose-6-Phosphate Dehydrogenase/Glucose 1-Dehydrogenase	H6PD		GeneCard	DisGenet
186 2	Hyaluronan Binding Protein 2	HABP2	OMIM	GeneCard	DisGenet
186 3	Hyaluronan Binding Protein 4	HABP4		GeneCard	
186 4	3-Hydroxyacyl-CoA Dehydratase 4	HACD4		GeneCard	DisGenet

186 5	Hydroxyacyl-CoA Dehydrogenase Trifunctional Multienzyme Complex Subunit Alpha	HADHA		GeneCard	
186 6	Hydroxyacyl-CoA Dehydrogenase Trifunctional Multienzyme Complex Subunit Beta	HADHB		GeneCard	
186 7	Histidine Ammonia-Lyase	HAL	OMIM	GeneCard	DisGenet
186 8	Hepcidin Antimicrobial Peptide	HAMP		GeneCard	DisGenet
186 9	Heart And Neural Crest Derivatives Expressed 1	HAND1		GeneCard	
187 0	Heart And Neural Crest Derivatives Expressed 2	HAND2		GeneCard	
187 1	HAND2 Antisense RNA 1	HAND2-AS1		GeneCard	
187 2	Hyaluronan Synthase 1	HAS1		GeneCard	
187 3	Hyaluronan Synthase 2	HAS2		GeneCard	DisGenet
187 4	HAS2 Antisense RNA 1	HAS2-AS1		GeneCard	
187 5	Hyaluronan Synthase 3	HAS3		GeneCard	DisGenet
187 6	Histone Acetyltransferase 1	HAT1		GeneCard	DisGenet
187 7	Hepatitis A Virus Cellular Receptor 1	HAVCR1		GeneCard	DisGenet
187 8	Hepatitis A Virus Cellular Receptor 2	HAVCR2		GeneCard	DisGenet
187 9	Hemoglobin Subunit Alpha 1	HBA1		GeneCard	
188 0	Hemoglobin Subunit Beta	HBB		GeneCard	
188 1	Heparin Binding EGF Like Growth Factor	HBEGF		GeneCard	DisGenet
188 2	Hemoglobin Subunit Gamma 2	HBG2		GeneCard	
188 3	HMG-Box Transcription Factor 1	HBP1		GeneCard	
188 4	HBS1 Like Translational GTPase	HBS1L		GeneCard	



188 5	Hydroxycarboxylic Acid Receptor 1	HCAR1		GeneCard	
188 6	Hydroxycarboxylic Acid Receptor 2	HCAR2		GeneCard	DisGenet
188 7	Hydroxycarboxylic Acid Receptor 3	HCAR3		GeneCard	DisGenet
188 8	Hepatocellular Carcinoma Associated Transcript 5	HCCAT5			DisGenet
188 9	Host Cell Factor C1	HCFC1		GeneCard	
189 0	HLA Complex Group 27	HCG27		GeneCard	
189 1	HLA Complex Group 9	HCG9		GeneCard	
189 2	HCK Proto-Oncogene, Src Family Tyrosine Kinase	HCK		GeneCard	
189 3	Hyperpolarization Activated Cyclic Nucleotide Gated Potassium Channel 4	HCN4		GeneCard	
189 4	Hypocretin Neuropeptide Precursor	HCRT		GeneCard	DisGenet
189 5	Histone Deacetylase 1	HDAC1		GeneCard	DisGenet
189 6	Histone Deacetylase 2	HDAC2		GeneCard	
189 7	Histone Deacetylase 3	HDAC3		GeneCard	DisGenet
189 8	Histone Deacetylase 4	HDAC4		GeneCard	
189 9	Histone Deacetylase 5	HDAC5		GeneCard	DisGenet
190 0	Histone Deacetylase 6	HDAC6		GeneCard	DisGenet
190 1	Histone Deacetylase 7	HDAC7		GeneCard	
190 2	Histone Deacetylase 9	HDAC9		GeneCard	DisGenet
190 3	Histidine Decarboxylase	HDC		GeneCard	DisGenet
190 4	HDGF Like 1	HDGFL1		GeneCard	

190 5	High-Density Lipoprotein Binding Protein	HDLBP		GeneCard	DisGenet
190 6	High-Density Lipoprotein Cholesterol, Low Serum, 3	HDLC3		GeneCard	
190 7	High-Density Lipoprotein Cholesterol Level QTL On Chromosome 8	HDLCQ2		GeneCard	
190 8	HELLP Associated Long Non-Coding RNA	HELLPAR		GeneCard	
190 9	Helicase, Lymphoid Specific	HELLS		GeneCard	
191 0	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 5	HERC5		GeneCard	
191 1	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase Family Member 6	HERC6		GeneCard	
191 2	Homocysteine Inducible ER Protein with Ubiquitin Like Domain 1	HERPUD1		GeneCard	
191 3	Hes Family BHLH Transcription Factor 1	HES1		GeneCard	DisGenet
191 4	HEXIM P-TEFb Complex Subunit 1	HEXIM1		GeneCard	DisGenet
191 5	Hes Related Family BHLH Transcription Factor with YRPW Motif 2	HEY2		GeneCard	
191 6	Homeostatic Iron Regulator	HFE		GeneCard	DisGenet
191 7	Helicase For Meiosis 1	HFM1		GeneCard	
191 8	Homogentisate 1,2-Dioxygenase	HGD		GeneCard	DisGenet
191 9	Hepatocyte Growth Factor	HGF		GeneCard	DisGenet
192 0	HGF Activator	HGFAC		GeneCard	
192 1	Hepatocyte Growth Factor-Regulated Tyrosine Kinase Substrate	HGS			DisGenet
192 2	Hematopoietically Expressed Homeobox	HHEX		GeneCard	
192 3	Hedgehog Interacting Protein	HHIP		GeneCard	
192 4	HHIP Antisense RNA 1	HHIP-AS1		GeneCard	

192 5	HHIP Like 1	HHIPL1		GeneCard	DisGenet
192 6	Hypoxia Inducible Factor 1 Subunit Alpha	HIF1A		GeneCard	DisGenet
192 7	HIF1A Antisense RNA 1	HIF1A-AS1		GeneCard	DisGenet
192 8	HIF1A Antisense RNA 2	HIF1A-AS2		GeneCard	
192 9	HIG1 Hypoxia Inducible Domain Family Member 1A	HIGD1A		GeneCard	
193 0	Hypoxia Inducible Lipid Droplet Associated	HILPDA			DisGenet
193 1	Homeodomain Interacting Protein Kinase 3	HIPK3		GeneCard	
193 2	Hexokinase 1	HK1		GeneCard	
193 3	Hexokinase 2	HK2		GeneCard	
193 4	Major Histocompatibility Complex, Class I, A	HLA-A		GeneCard	DisGenet
193 5	Major Histocompatibility Complex, Class I, B	HLA-B		GeneCard	DisGenet
193 6	Major Histocompatibility Complex, Class I, C	HLA-C		GeneCard	DisGenet
193 7	Major Histocompatibility Complex, Class II, DM Alpha	HLA-DMA		GeneCard	
193 8	Major Histocompatibility Complex, Class II, DO Alpha	HLA-DOA		GeneCard	
193 9	Major Histocompatibility Complex, Class II, DP Alpha 1	HLA-DPA1		GeneCard	
194 0	Major Histocompatibility Complex, Class II, DP Beta 1	HLA-DPB1		GeneCard	
194 1	Major Histocompatibility Complex, Class II, DQ Alpha 1	HLA-DQA1		GeneCard	
194 2	Major Histocompatibility Complex, Class II, DQ Beta 1	HLA-DQB1		GeneCard	
194 3	Major Histocompatibility Complex, Class II, DR Alpha	HLA-DRA		GeneCard	
194 4	Major Histocompatibility Complex, Class II, DR Beta 1	HLA-DRB1		GeneCard	

194 5	Major Histocompatibility Complex, Class I, G	HLA-G		GeneCard	
194 6	Hyperkeratosis Lenticularis Perstans	HLP			DisGenet
194 7	Helicase Like Transcription Factor	HLTF		GeneCard	
194 8	H2.0 Like Homeobox	HLX		GeneCard	
194 9	HLX Antisense RNA 1	HLX-AS1		GeneCard	
195 0	Homeobox Containing 1	HMBOX1		GeneCard	DisGenet
195 1	Hemicentin 1	HMCN1		GeneCard	
195 2	High Mobility Group AT-Hook 1	HMGA1		GeneCard	DisGenet
195 3	High Mobility Group AT-Hook 2	HMGA2		GeneCard	DisGenet
195 4	High Mobility Group Box 1	HMGB1		GeneCard	DisGenet
195 5	3-Hydroxy-3-Methylglutaryl-CoA Lyase	HMGCL		GeneCard	
195 6	3-Hydroxy-3-Methylglutaryl-CoA Reductase	HMGCR		GeneCard	DisGenet
195 7	High Mobility Group Nucleosome Binding Domain 1	HMGN1		GeneCard	
195 8	Heme Oxygenase 1	HMOX1		GeneCard	DisGenet
195 9	Heme Oxygenase 2	HMOX2		GeneCard	
196 0	HNF1 Homeobox A	HNF1A	OMIM	GeneCard	DisGenet
196 1	HNF1 Homeobox B	HNF1B		GeneCard	
196 2	Hepatocyte Nuclear Factor 4 Alpha	HNF4A		GeneCard	DisGenet
196 3	Hypertensive Nephropathy	HNP1		GeneCard	DisGenet
196 4	Heterogeneous Nuclear Ribonucleoprotein A1	HNRNPA1		GeneCard	

196 5	Heterogeneous Nuclear Ribonucleoprotein A1 Pseudogene 10	HNRNPA1P10		GeneCard	
196 6	Heterogeneous Nuclear Ribonucleoprotein A1 Pseudogene 4	HNRNPA1P4		GeneCard	
196 7	Heterogeneous Nuclear Ribonucleoprotein A2/B1	HNRNPA2B1		GeneCard	
196 8	Heterogeneous Nuclear Ribonucleoprotein A/B	HNRNPAB		GeneCard	
196 9	Heterogeneous Nuclear Ribonucleoprotein C	HNRNPC		GeneCard	
197 0	Heterogeneous Nuclear Ribonucleoprotein K	HNRNPK		GeneCard	
197 1	Heterogeneous Nuclear Ribonucleoprotein L	HNRNPL		GeneCard	
197 2	Heterogeneous Nuclear Ribonucleoprotein U	HNRNPU			DisGenet
197 3	HNRNPUL2-BSCL2	HNRNPUL2-BSCL2		GeneCard	
197 4	Homer Scaffold Protein 1	HOMER1		GeneCard	
197 5	Homer Scaffold Protein 2	HOMER2		GeneCard	
197 6	HOP Homeobox	HOPX		GeneCard	
197 7	HOX Transcript Antisense RNA	HOTAIR		GeneCard	DisGenet
197 8	HOXA Distal Transcript Antisense RNA	HOTTIP		GeneCard	
197 9	Homeobox A1	HOXA1		GeneCard	DisGenet
198 0	Homeobox A11	HOXA11		GeneCard	
198 1	Homeobox A5	HOXA5		GeneCard	
198 2	Homeobox A9	HOXA9		GeneCard	
198 3	HOXA Cluster Antisense RNA 2	HOXA-AS2		GeneCard	
198 4	HOXA Cluster Antisense RNA 3	HOXA-AS3	OMIM	GeneCard	DisGenet

198 5	Homeobox B1	HOXB1		GeneCard	
198 6	Homeobox B7	HOXB7		GeneCard	
198 7	Homeobox B9	HOXB9		GeneCard	DisGenet
198 8	Homeobox C6	HOXC6		GeneCard	
198 9	Homeobox C9	HOXC9		GeneCard	
199 0	HOXC Cluster Antisense RNA 1	HOXC-AS1		GeneCard	
199 1	Haptoglobin	HP		GeneCard	DisGenet
199 2	Phosphate Binding Apolipoprotein	HPBP		GeneCard	
199 3	4-Hydroxyphenylpyruvate Dioxygenase	HPD		GeneCard	
199 4	Hematopoietic Prostaglandin D Synthase	HPGDS			DisGenet
199 5	Haptoglobin-Related Protein	HPR		GeneCard	
199 6	Hypoxanthine Phosphoribosyltransferase 1	HPRT1		GeneCard	
199 7	HPS5 Biogenesis of Lysosomal Organelles Complex 2 Subunit 2	HPS5		GeneCard	
199 8	Heparanase	HPSE		GeneCard	DisGenet
199 9	Hemopexin	HPX		GeneCard	DisGenet
200 0	HRas Proto-Oncogene, GTPase	HRAS		GeneCard	
200 1	Histidine Rich Calcium Binding Protein	HRC		GeneCard	
200 2	Histidine Rich Glycoprotein	HRG		GeneCard	
200 3	Histamine Receptor H1	HRH1		GeneCard	DisGenet
200 4	Histamine Receptor H2	HRH2		GeneCard	DisGenet

2005	Hornerin	HRNR		GeneCard	
2006	Homologous Recombination Factor With OB-Fold	HROB		GeneCard	
2007	Heparan Sulfate-Glucosamine 3-Sulfotransferase 1	HS3ST1		GeneCard	DisGenet
2008	Hydroxysteroid 11-Beta Dehydrogenase 1	HSD11B1		GeneCard	DisGenet
2009	Hydroxysteroid 11-Beta Dehydrogenase 2	HSD11B2		GeneCard	
2010	Hydroxysteroid 17-Beta Dehydrogenase 4	HSD17B4		GeneCard	
2011	Hydroxysteroid 17-Beta Dehydrogenase 6	HSD17B6		GeneCard	
2012	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 1	HSD3B1		GeneCard	
2013	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 7	HSD3B7		GeneCard	
2014	Hydroxysteroid Dehydrogenase Like 2	HSDL2		GeneCard	
2015	Heat Shock Transcription Factor 1	HSF1		GeneCard	DisGenet
2016	Hematopoietic SH2 Domain	HSH2D			DisGenet
2017	Heat Shock Protein 90 Alpha Family Class A Member 1	HSP90AA1		GeneCard	DisGenet
2018	Heat Shock Protein 90 Alpha Family Class B Member 1	HSP90AB1		GeneCard	
2019	Heat Shock Protein 90 Beta Family Member 1	HSP90B1		GeneCard	DisGenet
2020	Heat Shock Protein Family A (Hsp70) Member 12A	HSPA12A	OMIM	GeneCard	
2021	Heat Shock Protein Family A (Hsp70) Member 12B	HSPA12B		GeneCard	
2022	Heat Shock Protein Family A (Hsp70) Member 14	HSPA14		GeneCard	DisGenet
2023	Heat Shock Protein Family A (Hsp70) Member 1A	HSPA1A		GeneCard	DisGenet
2024	Heat Shock Protein Family A (Hsp70) Member 1B	HSPA1B		GeneCard	DisGenet

2025	heat shock protein family A (Hsp70) member 2	HSPA2			DisGenet
2026	Heat Shock Protein Family A (Hsp70) Member 4	HSPA4		GeneCard	DisGenet
2027	Heat Shock Protein Family A (Hsp70) Member 5	HSPA5		GeneCard	DisGenet
2028	Heat Shock Protein Family A (Hsp70) Member 6	HSPA6		GeneCard	
2029	Heat Shock Protein Family A (Hsp70) Member 7 (Pseudogene)	HSPA7		GeneCard	
2030	Heat Shock Protein Family A (Hsp70) Member 8	HSPA8		GeneCard	
2031	Heat Shock Protein Family B (Small) Member 1	HSPB1	OMIM	GeneCard	DisGenet
2032	Heat Shock Protein Family B (Small) Member 2	HSPB2		GeneCard	DisGenet
2033	Heat Shock Protein Family B (Small) Member 3	HSPB3			DisGenet
2034	Heat Shock Protein Family B (Small) Member 6	HSPB6		GeneCard	
2035	Heat Shock Protein Family B (Small) Member 7	HSPB7		GeneCard	
2036	Heat Shock Protein Family B (Small) Member 8	HSPB8			DisGenet
2037	Heat Shock Protein Family D (Hsp60) Member 1	HSPD1		GeneCard	DisGenet
2038	Heat Shock Protein Family E (Hsp10) Member 1	HSPE1		GeneCard	
2039	Heparan Sulfate Proteoglycan 2	HSPG2		GeneCard	DisGenet
2040	HIV-1 TAT Interactive Protein 2	HTATIP2			DisGenet
2041	Histatin 3	HTN3		GeneCard	
2042	5-Hydroxytryptamine Receptor 1A	HTR1A		GeneCard	
2043	5-Hydroxytryptamine Receptor 2A	HTR2A		GeneCard	
2044	5-Hydroxytryptamine Receptor 3A	HTR3A		GeneCard	



204 5	5-Hydroxytryptamine Receptor 4	HTR4		GeneCard	
204 6	HtrA Serine Peptidase 1	HTRA1		GeneCard	
204 7	Huntingtin	HTT		GeneCard	
204 8	Hepatocellular Carcinoma Up-Regulated Long Non-Coding RNA	HULC		GeneCard	
204 9	Hyaluronidase 1	HYAL1		GeneCard	
205 0	Hyaluronidase 2	HYAL2		GeneCard	
205 1	HYLS1 Centriolar and Ciliogenesis Associated	HYLS1			DisGenet
205 2	Hypoxia Up-Regulated 1	HYOU1		GeneCard	
205 3	Islet Amyloid Polypeptide	IAPP		GeneCard	
205 4	Integrin Binding Sialoprotein	IBSP		GeneCard	
205 5	Islet Cell Autoantigen 1	ICA1		GeneCard	
205 6	Intercellular Adhesion Molecule 1	ICAM1		GeneCard	DisGenet
205 7	Intercellular Adhesion Molecule 2	ICAM2		GeneCard	
205 8	Intercellular Adhesion Molecule 3	ICAM3		GeneCard	
205 9	Isoprenylcysteine Carboxyl Methyltransferase	ICMT		GeneCard	
206 0	Inducible T Cell Costimulator	ICOS		GeneCard	DisGenet
206 1	Inducible T Cell Costimulator Ligand	ICOSLG		GeneCard	
206 2	Inhibitor Of DNA Binding 1, HLH Protein	ID1		GeneCard	DisGenet
206 3	Inhibitor Of DNA Binding 3, HLH Protein	ID3		GeneCard	DisGenet
206 4	Insulin Degrading Enzyme	IDE		GeneCard	

206 5	Isocitrate Dehydrogenase (NADP(+)) 1	IDH1		GeneCard	
206 6	Isocitrate Dehydrogenase (NADP(+)) 2	IDH2		GeneCard	DisGenet
206 7	Isopentenyl-Diphosphate Delta Isomerase 1	IDI1		GeneCard	
206 8	IDI2 Antisense RNA 1	IDI2-AS1		GeneCard	
206 9	Indoleamine 2,3-Dioxygenase 1	IDO1		GeneCard	DisGenet
207 0	Iduronate 2-Sulfatase	IDS		GeneCard	
207 1	Immediate Early Response 3	IER3		GeneCard	
207 2	Interferon Gamma Inducible Protein 16	IFI16		GeneCard	
207 3	Interferon Alpha Inducible Protein 27	IFI27		GeneCard	DisGenet
207 4	Interferon Induced Protein 35	IFI35		GeneCard	
207 5	Interferon Induced Protein 44 Like	IFI44L		GeneCard	
207 6	Interferon Induced with Helicase C Domain 1	IFIH1		GeneCard	
207 7	Interferon Induced Protein with Tetratricopeptide Repeats 3	IFIT3		GeneCard	
207 8	Interferon, Type 1, Cluster	IFN1@		GeneCard	
207 9	Interferon Alpha 1	IFNA1		GeneCard	DisGenet
208 0	Interferon Alpha 13	IFNA13			DisGenet
208 1	Interferon Alpha 2	IFNA2		GeneCard	
208 2	Interferon Alpha 21	IFNA21		GeneCard	
208 3	Interferon Alpha and Beta Receptor Subunit 1	IFNAR1		GeneCard	
208 4	Interferon Alpha and Beta Receptor Subunit 2	IFNAR2		GeneCard	

208 5	Interferon Beta 1	IFNB1		GeneCard	
208 6	Interferon Gamma	IFNG		GeneCard	DisGenet
208 7	Interferon Gamma Receptor 1	IFNGR1		GeneCard	
208 8	Interferon Gamma Receptor 2	IFNGR2		GeneCard	
208 9	Interferon Kappa	IFNK		GeneCard	
209 0	Interferon Related Developmental Regulator 1	IFRD1		GeneCard	
209 1	Intraflagellar Transport 20	IFT20		GeneCard	
209 2	Intraflagellar Transport 80	IFT80		GeneCard	
209 3	Intraflagellar Transport 88	IFT88		GeneCard	
209 4	Immunoglobulin Binding Protein 1	IGBP1		GeneCard	
209 5	Immunoglobulin E Concentration, Serum	IGES		GeneCard	
209 6	Insulin Like Growth Factor 1	IGF1		GeneCard	DisGenet
209 7	Insulin Like Growth Factor 1 Receptor	IGF1R		GeneCard	DisGenet
209 8	Insulin Like Growth Factor 2	IGF2	OMIM	GeneCard	DisGenet
209 9	IGF2 Antisense RNA	IGF2-AS		GeneCard	
210 0	Insulin Like Growth Factor 2 mRNA Binding Protein 1	IGF2BP1		GeneCard	
210 1	Insulin Like Growth Factor 2 mRNA Binding Protein 2	IGF2BP2		GeneCard	
210 2	Insulin Like Growth Factor 2 Receptor	IGF2R		GeneCard	DisGenet
210 3	Insulin Like Growth Factor Binding Protein Acid Labile Subunit	IGFALS		GeneCard	
210 4	Insulin Like Growth Factor Binding Protein 1	IGFBP1		GeneCard	DisGenet

210 5	Insulin Like Growth Factor 2 MRNA Binding Protein 2	IGFBP2		GeneCard	
210 6	Insulin Like Growth Factor 2 Receptor	IGFBP3		GeneCard	DisGenet
210 7	Insulin Like Growth Factor Binding Protein Acid Labile Subunit	IGFBP4		GeneCard	
210 8	Insulin Like Growth Factor Binding Protein 1	IGFBP5		GeneCard	DisGenet
210 9	Insulin Like Growth Factor Binding Protein 2	IGFBP7		GeneCard	DisGenet
211 0	Insulin Like Growth Factor Binding Protein 3	IGHE		GeneCard	DisGenet
211 1	Insulin Like Growth Factor Binding Protein 4	IGHG1		GeneCard	
211 2	Insulin Like Growth Factor Binding Protein 5	IGHG3		GeneCard	DisGenet
211 3	Insulin Like Growth Factor Binding Protein 7	IGKV@		GeneCard	
211 4	Immunoglobulin Heavy Constant Epsilon	IGKV2D-29		GeneCard	DisGenet
211 5	Immunoglobulin Heavy Constant Gamma 1 (G1m Marker)	IGLV2-18		GeneCard	DisGenet
211 6	Immunoglobulin Kappa Variable Cluster	IGSF1		GeneCard	DisGenet
211 7	IK Cytokine	IK		GeneCard	
211 8	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta	IKBKB		GeneCard	DisGenet
211 9	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Epsilon	IKBKE		GeneCard	
212 0	Inhibitor Of Nuclear Factor Kappa B Kinase Regulatory Subunit Gamma	IKBKG		GeneCard	
212 1	Interleukin-10	IL10	OMIM	GeneCard	DisGenet
212 2	Interleukin 10 Receptor Subunit Alpha	IL10RA		GeneCard	
212 3	Interleukin 11	IL11		GeneCard	DisGenet
212 4	Interleukin 12A	IL12A		GeneCard	

212 5	IL12A Antisense RNA 1	IL12A-AS1		GeneCard	
212 6	Interleukin 12B	IL12B		GeneCard	
212 7	Interleukin 13	IL13		GeneCard	DisGenet
212 8	Interleukin 15	IL15		GeneCard	DisGenet
212 9	Interleukin 16	IL16		GeneCard	
213 0	Interleukin 17A	IL17A	OMIM	GeneCard	DisGenet
213 1	Interleukin 17B	IL17B		GeneCard	DisGenet
213 2	Interleukin 17D	IL17D			DisGenet
213 3	Interleukin 17F	IL17F		GeneCard	DisGenet
213 4	Interleukin 17 Receptor A	IL17RA		GeneCard	
213 5	Interleukin 17 Receptor B	IL17RB		GeneCard	
213 6	Interleukin 17 Receptor C	IL17RC		GeneCard	
213 7	Interleukin-18	IL18	OMIM	GeneCard	DisGenet
213 8	Interleukin 18 Binding Protein	IL18BP		GeneCard	DisGenet
213 9	Interleukin 18 Receptor 1	IL18R1		GeneCard	
214 0	Interleukin 18 Receptor Accessory Protein	IL18RAP		GeneCard	
214 1	Interleukin 19	IL19		GeneCard	DisGenet
214 2	Interleukin 1 Alpha	IL1A		GeneCard	DisGenet
214 3	Interleukin-1, beta	IL1B	OMIM	GeneCard	DisGenet
214 4	Interleukin 1 Family Member 10	IL1F10			DisGenet

214 5	Interleukin 1 Receptor Type 1	IL1R1		GeneCard	
214 6	Interleukin 1 Receptor Type 2	IL1R2		GeneCard	
214 7	Interleukin 1 Receptor Accessory Protein	IL1RAP		GeneCard	
214 8	Interleukin 1 Receptor Accessory Protein Like 2	IL1RAPL2		GeneCard	
214 9	Interleukin 1 Receptor Like 1	IL1RL1		GeneCard	DisGenet
215 0	Interleukin 1 Receptor Antagonist	IL1RN		GeneCard	DisGenet
215 1	Interleukin 2	IL2		GeneCard	DisGenet
215 2	Interleukin 20	IL20		GeneCard	DisGenet
215 3	Interleukin 20 Receptor Subunit Alpha	IL20RA		GeneCard	
215 4	Interleukin 20 Receptor Subunit Beta	IL20RB		GeneCard	
215 5	Interleukin 21	IL21		GeneCard	DisGenet
215 6	Interleukin 21 Receptor	IL21R		GeneCard	
215 7	Interleukin 22	IL22		GeneCard	DisGenet
215 8	Interleukin 22 Receptor Subunit Alpha 1	IL22RA1		GeneCard	
215 9	Interleukin 23 Subunit Alpha	IL23A		GeneCard	DisGenet
216 0	Interleukin 23 Receptor	IL23R		GeneCard	DisGenet
216 1	Interleukin 24	IL24		GeneCard	
216 2	Interleukin 25	IL25		GeneCard	DisGenet
216 3	Interleukin 26	IL26		GeneCard	
216 4	Interleukin 27	IL27		GeneCard	DisGenet

216 5	Interleukin 27 Receptor Subunit Alpha	IL27RA			DisGenet
216 6	Interleukin 2 Receptor Subunit Alpha	IL2RA		GeneCard	DisGenet
216 7	Interleukin 2 Receptor Subunit Beta	IL2RB		GeneCard	
216 8	Interleukin 3	IL3		GeneCard	
216 9	Interleukin 32	IL32		GeneCard	DisGenet
217 0	Interleukin 33	IL33		GeneCard	DisGenet
217 1	Interleukin 34	IL34		GeneCard	DisGenet
217 2	Interleukin 36 Alpha	IL36A		GeneCard	
217 3	Interleukin 37	IL37		GeneCard	DisGenet
217 4	Interleukin 4	IL4		GeneCard	DisGenet
217 5	Interleukin 4 Receptor	IL4R		GeneCard	
217 6	Interleukin 5	IL5		GeneCard	DisGenet
217 7	Interleukin 5 Receptor Subunit Alpha	IL5RA		GeneCard	
217 8	Interleukin-6 (interferon, beta-2)	IL6	OMIM	GeneCard	DisGenet
217 9	IL6 Antisense RNA 1	IL6-AS1		GeneCard	
218 0	Interleukin 6 Receptor	IL6R		GeneCard	DisGenet
218 1	Interleukin 6 Cytokine Family Signal Transducer	IL6ST		GeneCard	DisGenet
218 2	Interleukin 7	IL7		GeneCard	DisGenet
218 3	Interleukin 7 Receptor	IL7R		GeneCard	
218 4	Interleukin 9	IL9		GeneCard	DisGenet

218 5	Interleukin Enhancer Binding Factor 3	ILF3		GeneCard	
218 6	Integrin Linked Kinase	ILK		GeneCard	DisGenet
218 7	Inner Membrane Mitochondrial Protein	IMMT		GeneCard	
218 8	Inhibin Subunit Alpha	INHA		GeneCard	
218 9	Inhibin Subunit Beta A	INHBA		GeneCard	
219 0	INO80 complex, subunit D	INO80D	OMIM	GeneCard	
219 1	Inositol Polyphosphate-5-Phosphatase D	INPP5D		GeneCard	DisGenet
219 2	Inositol Polyphosphate-5-Phosphatase K	INPP5K		GeneCard	DisGenet
219 3	Inositol Polyphosphate Phosphatase Like 1	INPPL1		GeneCard	
219 4	Insulin	INS	OMIM	GeneCard	DisGenet
219 5	Insulin Induced Gene 1	INSIG1		GeneCard	
219 6	Insulin Induced Gene 2	INSIG2		GeneCard	DisGenet
219 7	Insulin Like 6	INSL6		GeneCard	
219 8	Insulin Receptor	INSR		GeneCard	DisGenet
219 9	Integrator Complex Subunit 12	INTS12		GeneCard	
220 0	Inturned Planar Cell Polarity Protein	INTU			DisGenet
220 1	Inversin	INVS		GeneCard	
220 2	Inositol Hexakisphosphate Kinase 3	IP6K3		GeneCard	
220 3	Inositol Polyphosphate Multikinase	IPMK		GeneCard	
220 4	Importin 5	IPO5		GeneCard	



220 5	IPO9 Antisense RNA 1	IPO9-AS1		GeneCard	
220 6	IQ Motif Containing B1	IQCB1		GeneCard	
220 7	Inositol 1,4,5-Triphosphate Receptor Associated 1	IRAG1		GeneCard	
220 8	Interleukin 1 Receptor Associated Kinase 1	IRAK1		GeneCard	DisGenet
220 9	Interleukin 1 Receptor Associated Kinase 1 Binding Protein 1	IRAK1BP1		GeneCard	
221 0	Interleukin 1 Receptor Associated Kinase 4	IRAK4		GeneCard	DisGenet
221 1	Interferon Regulatory Factor 1	IRF1	OMIM	GeneCard	DisGenet
221 2	IRF1 Antisense RNA 1	IRF1-AS1		GeneCard	
221 3	Interferon Regulatory Factor 2	IRF2			DisGenet
221 4	Interferon Regulatory Factor 2 Binding Protein 2	IRF2BP2		GeneCard	DisGenet
221 5	Interferon Regulatory Factor 3	IRF3		GeneCard	DisGenet
221 6	Interferon Regulatory Factor 4	IRF4		GeneCard	
221 7	Interferon Regulatory Factor 5	IRF5		GeneCard	DisGenet
221 8	interferon regulatory factor 6	IRF6			DisGenet
221 9	Interferon Regulatory Factor 7	IRF7		GeneCard	
222 0	Interferon Regulatory Factor 8	IRF8		GeneCard	DisGenet
222 1	Interferon Regulatory Factor 9	IRF9		GeneCard	
222 2	Immunity Related GTPase M	IRGM		GeneCard	DisGenet
222 3	Insulin Receptor Substrate 1	IRS1	OMIM	GeneCard	DisGenet
222 4	Insulin Receptor Substrate 2	IRS2			DisGenet

222 5	ISG15 Ubiquitin Like Modifier	ISG15		GeneCard	
222 6	Interferon Stimulated Exonuclease Gene 20	ISG20			DisGenet
222 7	ISL LIM Homeobox 1	ISL1		GeneCard	
222 8	Isthmin 1	ISM1		GeneCard	
222 9	Integrin Subunit Alpha 1	ITGA1		GeneCard	
223 0	Integrin Subunit Alpha 11	ITGA11		GeneCard	
223 1	Integrin Subunit Alpha 2	ITGA2		GeneCard	DisGenet
223 2	Integrin Subunit Alpha 2b	ITGA2B		GeneCard	DisGenet
223 3	Integrin Subunit Alpha 3	ITGA3		GeneCard	
223 4	Integrin Subunit Alpha 4	ITGA4		GeneCard	
223 5	Integrin Subunit Alpha 5	ITGA5		GeneCard	DisGenet
223 6	Integrin Subunit Alpha 6	ITGA6		GeneCard	
223 7	Integrin Subunit Alpha D	ITGAD		GeneCard	DisGenet
223 8	Integrin Subunit Alpha E	ITGAE			DisGenet
223 9	Integrin Subunit Alpha L	ITGAL		GeneCard	DisGenet
224 0	Integrin Subunit Alpha M	ITGAM		GeneCard	DisGenet
224 1	Integrin Subunit Alpha V	ITGAV		GeneCard	DisGenet
224 2	Integrin Subunit Alpha X	ITGAX		GeneCard	DisGenet
224 3	Integrin Subunit Beta 1	ITGB1		GeneCard	
224 4	Integrin Subunit Beta 1 Binding Protein 2	ITGB1BP2		GeneCard	

224 5	Integrin Subunit Beta 2	ITGB2		GeneCard	DisGenet
224 6	Integrin Subunit Beta 3	ITGB3		GeneCard	DisGenet
224 7	Integrin Subunit Beta 4	ITGB4		GeneCard	DisGenet
224 8	Integrin Subunit Beta 5	ITGB5		GeneCard	DisGenet
224 9	Integrin Subunit Beta 7	ITGB7	OMIM		
225 0	Inter-Alpha-Trypsin Inhibitor Heavy Chain 1	ITIH1		GeneCard	
225 1	Inter-Alpha-Trypsin Inhibitor Heavy Chain 3	ITIH3		GeneCard	
225 2	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4	ITIH4		GeneCard	DisGenet
225 3	Intelectin 1	ITLN1		GeneCard	
225 4	Integral Membrane Protein 2B	ITM2B		GeneCard	
225 5	Inositol-Trisphosphate 3-Kinase C	ITPKC		GeneCard	
225 6	Inositol 1,4,5-Trisphosphate Receptor Type 1	ITPR1		GeneCard	DisGenet
225 7	Inositol 1,4,5-Trisphosphate Receptor Type 2	ITPR2			DisGenet
225 8	Inositol 1,4,5-Trisphosphate Receptor Type 3	ITPR3		GeneCard	DisGenet
225 9	Isovaleryl-CoA Dehydrogenase	IVD			DisGenet
226 0	Iodotyrosine Deiodinase	IYD		GeneCard	
226 1	Izumo Sperm-Egg Fusion 1	IZUMO1		GeneCard	
226 2	Jagged Canonical Notch Ligand 1	JAG1		GeneCard	DisGenet
226 3	Janus Kinase 1	JAK1		GeneCard	
226 4	Janus Kinase 2	JAK2		GeneCard	DisGenet

226 5	Janus Kinase 3	JAK3		GeneCard	
226 6	Junctional Adhesion Molecule 3	JAM3		GeneCard	DisGenet
226 7	Junction Adhesion Molecule Like	JAML		GeneCard	
226 8	JAZF Zinc Finger 1	JAZF1		GeneCard	
226 9	Junctional Cadherin 5 Associated	JCAD		GeneCard	DisGenet
227 0	Jun Dimerization Protein 2	JDP2		GeneCard	
227 1	Jumonji Domain Containing 1C	JMJD1C		GeneCard	
227 2	Jumonji Domain Containing 6, Arginine Demethylase And Lysine Hydroxylase	JMJD6		GeneCard	
227 3	Junctophilin 1	JPH1		GeneCard	
227 4	Junctophilin 2	JPH2		GeneCard	
227 5	Junctophilin 3	JPH3		GeneCard	DisGenet
227 6	Jun Proto-Oncogene, AP-1 Transcription Factor Subunit	JUN		GeneCard	DisGenet
227 7	JunB Proto-Oncogene, AP-1 Transcription Factor Subunit	JUNB			DisGenet
227 8	JunD Proto-Oncogene, AP-1 Transcription Factor Subunit	JUND			DisGenet
227 9	Junction Plakoglobin	JUP		GeneCard	DisGenet
228 0	Kalirin RhoGEF Kinase	KALRN	OMIM	GeneCard	DisGenet
228 1	KN Motif And Ankyrin Repeat Domains 1	KANK1		GeneCard	
228 2	Lysine Acetyltransferase 2B	KAT2B		GeneCard	
228 3	Lysine Acetyltransferase 5	KAT5			DisGenet
228 4	Katanin Catalytic Subunit A1 Like 1	KATNAL1		GeneCard	

228 5	Kelch Repeat and BTB Domain Containing 3	KBTBD3		GeneCard	
228 6	Keratoconus Gene 6	KC6		GeneCard	
228 7	Potassium Voltage-Gated Channel Subfamily A Member 1	KCNA1		GeneCard	
228 8	Potassium Voltage-Gated Channel Subfamily A Member 2	KCNA2		GeneCard	
228 9	Potassium Voltage-Gated Channel Subfamily A Member 3	KCNA3		GeneCard	
229 0	Potassium Voltage-Gated Channel Subfamily A Member 5	KCNA5		GeneCard	
229 1	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 1	KCNE1		GeneCard	
229 2	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 2	KCNE2		GeneCard	DisGenet
229 3	Potassium Voltage-Gated Channel Subfamily H Member 2	KCNH2		GeneCard	
229 4	Potassium Voltage-Gated Channel Subfamily H Member 4	KCNH4			DisGenet
229 5	Potassium Voltage-Gated Channel Subfamily H Member 5	KCNH5		GeneCard	
229 6	Potassium Voltage-Gated Channel Subfamily H Member 8	KCNH8			DisGenet
229 7	Potassium Voltage-Gated Channel Interacting Protein 1	KCNIP1		GeneCard	
229 8	Potassium Voltage-Gated Channel Interacting Protein 2	KCNIP2		GeneCard	
229 9	Potassium Inwardly Rectifying Channel Subfamily J Member 1	KCNJ1		GeneCard	
230 0	Potassium Inwardly Rectifying Channel Subfamily J Member 11	KCNJ11		GeneCard	DisGenet
230 1	Potassium Inwardly Rectifying Channel Subfamily J Member 12	KCNJ12		GeneCard	
230 2	Potassium Inwardly Rectifying Channel Subfamily J Member 2	KCNJ2		GeneCard	
230 3	Potassium Inwardly Rectifying Channel Subfamily J Member 5	KCNJ5		GeneCard	
230 4	Potassium Inwardly Rectifying Channel Subfamily J Member 8	KCNJ8		GeneCard	

230 5	Potassium Two Pore Domain Channel Subfamily K Member 1	KCNK1		GeneCard	
230 6	Potassium Two Pore Domain Channel Subfamily K Member 13	KCNK13		GeneCard	
230 7	Potassium Two Pore Domain Channel Subfamily K Member 2	KCNK2		GeneCard	
230 8	Potassium Two Pore Domain Channel Subfamily K Member 3	KCNK3		GeneCard	
230 9	Potassium Two Pore Domain Channel Subfamily K Member 9	KCNK9		GeneCard	
231 0	Potassium Calcium-Activated Channel Subfamily M Alpha 1	KCNMA1		GeneCard	
231 1	Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 1	KCNMB1		GeneCard	DisGenet
231 2	Potassium Calcium-Activated Channel Subfamily N Member 3	KCNN3		GeneCard	
231 3	Potassium Calcium-Activated Channel Subfamily N Member 4	KCNN4		GeneCard	
231 4	Potassium Voltage-Gated Channel Subfamily Q Member 1	KCNQ1		GeneCard	
231 5	KCNQ1 Opposite Strand/Antisense Transcript 1	KCNQ1OT1		GeneCard	
231 6	Potassium Voltage-Gated Channel Subfamily Q Member 3	KCNQ3		GeneCard	
231 7	Potassium Voltage-Gated Channel Modifier Subfamily V Member 2	KCNV2		GeneCard	
231 8	Potassium Channel Tetramerization Domain Containing 15	KCTD15			DisGenet
231 9	Lysine Demethylase 1A	KDM1A		GeneCard	
232 0	Lysine Demethylase 4A	KDM4A			DisGenet
232 1	Lysine Demethylase 4C	KDM4C		GeneCard	
232 2	Lysine Demethylase 5B	KDM5B		GeneCard	
232 3	Lysine Demethylase 5D	KDM5D		GeneCard	DisGenet
232 4	Lysine Demethylase 6B	KDM6B		GeneCard	DisGenet

232 5	Kinase Insert Domain Receptor	KDR		GeneCard	DisGenet
232 6	Kelch Like ECH Associated Protein 1	KEAP1		GeneCard	
232 7	Keratocan	KERA		GeneCard	DisGenet
232 8	KH RNA Binding Domain Containing, Signal Transduction Associated 1	KHDRBS1		GeneCard	DisGenet
232 9	Ketohexokinase	KHK		GeneCard	
233 0	KH-Type Splicing Regulatory Protein	KHSRP		GeneCard	
233 1	KIAA0319 Like	KIAA0319L		GeneCard	
233 2	Kinesin Family Member 11	KIF11		GeneCard	
233 3	Kinesin Family Member 13B	KIF13B		GeneCard	
233 4	Kinesin Family Member 20A	KIF20A	OMIM	GeneCard	
233 5	Kinesin Family Member 3A	KIF3A		GeneCard	
233 6	Kinesin Family Member 5A	KIF5A		GeneCard	
233 7	Kinesin Family Member 6	KIF6		GeneCard	DisGenet
233 8	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 1	KIR2DS1		GeneCard	
233 9	KiSS-1 Metastasis Suppressor	KISS1		GeneCard	DisGenet
234 0	KISS1 Receptor	KISS1R		GeneCard	DisGenet
234 1	KIT Proto-Oncogene, Receptor Tyrosine Kinase	KIT		GeneCard	DisGenet
234 2	KIT Ligand	KITLG		GeneCard	
234 3	Klotho	KL	OMIM	GeneCard	DisGenet
234 4	Kruppel Like Factor 10	KLF10		GeneCard	

234 5	Kruppel Like Factor 14	KLF14		GeneCard	DisGenet
234 6	Kruppel Like Factor 15	KLF15		GeneCard	DisGenet
234 7	Kruppel Like Factor 2	KLF2		GeneCard	DisGenet
234 8	Kruppel Like Factor 3	KLF3		GeneCard	
234 9	Kruppel Like Factor 4	KLF4		GeneCard	DisGenet
235 0	Kruppel Like Factor 5	KLF5		GeneCard	DisGenet
235 1	Kruppel Like Factor 6	KLF6		GeneCard	
235 2	Kelch Like Family Member 12	KLHL12		GeneCard	
235 3	Kelch Like Family Member 2	KLHL2		GeneCard	
235 4	Kallikrein 1	KLK1		GeneCard	DisGenet
235 5	Kallikrein Related Peptidase 15	KLK15		GeneCard	
235 6	Kallikrein Related Peptidase 3	KLK3		GeneCard	DisGenet
235 7	Kallikrein B1	KLKB1		GeneCard	
235 8	Killer Cell Lectin Like Receptor C1	KLRC1		GeneCard	
235 9	Killer Cell Lectin Like Receptor C2	KLRC2		GeneCard	
236 0	Killer Cell Lectin Like Receptor C4	KLRC4		GeneCard	
236 1	KLRC4-KLRK1 readthrough	KLRC4-KLRK1			DisGenet
236 2	Killer Cell Lectin Like Receptor D1	KLRD1		GeneCard	
236 3	Killer Cell Lectin Like Receptor G1	KLRG1			DisGenet
236 4	Killer Cell Lectin Like Receptor K1	KLRK1		GeneCard	DisGenet



236 5	Lysine Methyltransferase 2A	KMT2A			DisGenet
236 6	Lysine Methyltransferase 2B	KMT2B			DisGenet
236 7	Lysine Methyltransferase 2D	KMT2D			DisGenet
236 8	Lysine Methyltransferase 2E	KMT2E			DisGenet
236 9	Lysine Methyltransferase 5B	KMT5B		GeneCard	
237 0	Lysine Methyltransferase 5C	KMT5C		GeneCard	
237 1	Kininogen 1	KNG1		GeneCard	DisGenet
237 2	Kinetochore Associated 1	KNTC1		GeneCard	
237 3	Karyopherin Subunit Alpha 2	KPNA2		GeneCard	
237 4	Karyopherin Subunit Alpha 3	KPNA3		GeneCard	DisGenet
237 5	Karyopherin Subunit Alpha 4	KPNA4		GeneCard	DisGenet
237 6	KRAB Box Domain Containing 4	KRBOX4		GeneCard	
237 7	Kringle Containing Transmembrane Protein 1	KREMEN1		GeneCard	
237 8	KRIT1 Ankyrin Repeat Containing	KRIT1		GeneCard	DisGenet
237 9	Keratin 18	KRT18		GeneCard	
238 0	Keratin 20	KRT20			DisGenet
238 1	Keratin 74	KRT74		GeneCard	
238 2	Keratin 8	KRT8		GeneCard	
238 3	Keratin Associated Protein 11-1	KRTAP11-1		GeneCard	
238 4	Lactamase Beta	LACTB		GeneCard	

238 5	Ladinin 1	LAD1			DisGenet
238 6	Lymphocyte Activating 3	LAG3		GeneCard	DisGenet
238 7	Leukocyte associated immunoglobulin like receptor 1	LAIR1			DisGenet
238 8	Laminin Subunit Alpha 2	LAMA2		GeneCard	
238 9	Laminin Subunit Alpha 3	LAMA3		GeneCard	
239 0	Laminin Subunit Alpha 4	LAMA4		GeneCard	
239 1	Laminin Subunit Gamma 1	LAMC1		GeneCard	
239 2	Lysosomal Associated Membrane Protein 2	LAMP2		GeneCard	
239 3	LanC Like 1	LANCL1			DisGenet
239 4	LARGE Xylosyl- And Glucuronyltransferase 1	LARGE1		GeneCard	
239 5	LARP1B Pseudogene 2	LARP1BP2			DisGenet
239 6	La Ribonucleoprotein 6, Translational Regulator	LARP6		GeneCard	
239 7	La Ribonucleoprotein 7, Transcriptional Regulator	LARP7		GeneCard	
239 8	Leucyl-TRNA Synthetase 1	LARS1		GeneCard	
239 9	Leucyl-TRNA Synthetase 2, Mitochondrial	LARS2		GeneCard	
240 0	LIM And SH3 Protein 1	LASP1		GeneCard	
240 1	Lipopolysaccharide Binding Protein	LBP		GeneCard	DisGenet
240 2	Lamin B Receptor	LBR		GeneCard	
240 3	Ladybird Homeobox 1	LBX1		GeneCard	
240 4	Lecithin-Cholesterol Acyltransferase	LCAT		GeneCard	DisGenet

240 5	LCK Proto-Oncogene, Src Family Tyrosine Kinase	LCK		GeneCard	
240 6	Lipocalin 1	LCN1		GeneCard	
240 7	Lipocalin 2	LCN2		GeneCard	DisGenet
240 8	Ligand Dependent Nuclear Receptor Corepressor	LCOR			DisGenet
240 9	Lactase (lactase-phlorizin hydrolase)	LCT	OMIM	GeneCard	
241 0	Lipid Droplet Associated Hydrolase	LDAH		GeneCard	
241 1	LIM Domain Binding 2	LDB2		GeneCard	DisGenet
241 2	LIM Domain Binding 3	LDB3		GeneCard	
241 3	Lactate Dehydrogenase A	LDHA		GeneCard	DisGenet
241 4	Lactate Dehydrogenase C	LDHC		GeneCard	
241 5	Low-Density Lipoprotein Receptor	LDLR		GeneCard	DisGenet
241 6	Low-density lipoprotein receptor adaptor protein 1	LDLRAP1	OMIM	GeneCard	DisGenet
241 7	LDLR Antisense RNA 1	LDLR-AS1		GeneCard	
241 8	Leukocyte Cell Derived Chemotaxin 2	LECT2		GeneCard	DisGenet
241 9	Lymphoid Enhancer Binding Factor 1	LEF1		GeneCard	
242 0	LEF1 Antisense RNA 1	LEF1-AS1		GeneCard	DisGenet
242 1	Leucine, Glutamate and Lysine Rich 1	LEKR1		GeneCard	
242 2	Late Cornified Envelope Like Proline Rich 1	LELP1		GeneCard	
242 3	LEM Domain Nuclear Envelope Protein 2	LEMD2	OMIM	GeneCard	
242 4	Leptin (murine obesity homolog)	LEP	OMIM	GeneCard	DisGenet

242 5	Leptin Serum Levels	LEPQTL1		GeneCard	DisGenet
242 6	Leptin Receptor	LEPR		GeneCard	DisGenet
242 7	Leptin Receptor Overlapping Transcript	LEPROT		GeneCard	
242 8	Galectin 1	LGALS1		GeneCard	
242 9	Galectin 12	LGALS12		GeneCard	
243 0	Galectin 14	LGALS14			DisGenet
243 1	Galectin 2	LGALS2		GeneCard	
243 2	Galectin 3	LGALS3		GeneCard	
243 3	Galectin 3 Binding Protein	LGALS3BP		GeneCard	DisGenet
243 4	Galectin 8	LGALS8		GeneCard	
243 5	Galectin 9	LGALS9		GeneCard	
243 6	Legumain	LGMN		GeneCard	DisGenet
243 7	Luteinizing Hormone/Choriogonadotropin Receptor	LHCGR		GeneCard	
243 8	LHFPL Tetraspan Subfamily Member 1	LHFPL1		GeneCard	
243 9	LIM Homeobox 8	LHX8		GeneCard	
244 0	Lipoic Acid Synthetase	LIAS		GeneCard	
244 1	LIF Interleukin 6 Family Cytokine	LIF		GeneCard	DisGenet
244 2	LIF Receptor Subunit Alpha	LIFR		GeneCard	
244 3	DNA Ligase 4	LIG4		GeneCard	
244 4	Leukocyte Immunoglobulin Like Receptor B1	LILRB1		GeneCard	DisGenet

244 5	Leukocyte Immunoglobulin Like Receptor B3	LILRB3		GeneCard	
244 6	Leukocyte Immunoglobulin Like Receptor B4	LILRB4			DisGenet
244 7	LIM Domain Kinase 1	LIMK1		GeneCard	
244 8	LIM Zinc Finger Domain Containing 1	LIMS1		GeneCard	
244 9	LIM Zinc Finger Domain Containing 2	LIMS2		GeneCard	
245 0	Lin-28 Homolog A	LIN28A		GeneCard	
245 1	Lin-28 Homolog B	LIN28B		GeneCard	
245 2	Lin-9 DREAM MuvB Core Complex Component	LIN9		GeneCard	
245 3	Long Intergenic Non-Protein Coding RNA 113	LINC00113		GeneCard	
245 4	Long Intergenic Non-Protein Coding RNA 294	LINC00294		GeneCard	
245 5	Long Intergenic Non-Protein Coding RNA 299	LINC00299		GeneCard	DisGenet
245 6	Long Intergenic Non-Protein Coding RNA 305	LINC00305		GeneCard	DisGenet
245 7	Long Intergenic Non-Protein Coding RNA 400	LINC00400		GeneCard	
245 8	Long Intergenic Non-Protein Coding RNA 540	LINC00540		GeneCard	
245 9	Long Intergenic Non-Protein Coding RNA 599	LINC00599			DisGenet
246 0	Long Intergenic Non-Protein Coding RNA 907	LINC00907		GeneCard	
246 1	Long Intergenic Non-Protein Coding RNA 1005	LINC01005		GeneCard	
246 2	Long Intergenic Non-Protein Coding RNA 1123	LINC01123		GeneCard	
246 3	Long Intergenic Non-Protein Coding RNA 1179	LINC01179		GeneCard	
246 4	Long Intergenic Non-Protein Coding RNA 1194	LINC01194			DisGenet

246 5	Long Intergenic Non-Protein Coding RNA 1228	LINC01228		GeneCard	
246 6	Long Intergenic Non-Protein Coding RNA 1389	LINC01389		GeneCard	
246 7	Long Intergenic Non-Protein Coding RNA 1512	LINC01512		GeneCard	
246 8	Long Intergenic Non-Protein Coding RNA 1535	LINC01535		GeneCard	
246 9	Long Intergenic Non-Protein Coding RNA 1672	LINC01672			DisGenet
247 0	Long Intergenic Non-Protein Coding RNA 1826	LINC01826		GeneCard	
247 1	Long Intergenic Non-Protein Coding RNA 1912	LINC01912		GeneCard	
247 2	Long Intergenic Non-Protein Coding RNA 2370	LINC02370		GeneCard	
247 3	Long Intergenic Non-Protein Coding RNA 2398	LINC02398		GeneCard	
247 4	Long Intergenic Non-Protein Coding RNA 2577	LINC02577		GeneCard	
247 5	Long Intergenic Non-Protein Coding RNA 2605	LINC02605			DisGenet
247 6	Long Intergenic Non-Protein Coding RNA 2618	LINC02618		GeneCard	
247 7	Long Intergenic Non-Protein Coding RNA 2692	LINC02692		GeneCard	
247 8	Long Intergenic Non-Protein Coding RNA 2915	LINC02915		GeneCard	
247 9	Long Intergenic Non-Protein Coding RNA 2962	LINC02962		GeneCard	
248 0	Long Intergenic Non-Protein Coding RNA 3020	LINC03020		GeneCard	
248 1	Long Intergenic Non-Protein Coding RNA 3040	LINC03040		GeneCard	
248 2	Long Intergenic Non-Protein Coding RNA, Regulator Of Reprogramming	LINC-ROR			DisGenet
248 3	Lipase A, lysosomal acid, cholesterol esterase	LIPA	OMIM	GeneCard	DisGenet
248 4	Lipase C, Hepatic Type	LIPC		GeneCard	DisGenet

248 5	Lipase E, Hormone Sensitive Type	LIPE		GeneCard	DisGenet
248 6	Lipase F, Gastric Type	LIPF		GeneCard	
248 7	Lipase G, Endothelial Type	LIPG		GeneCard	DisGenet
248 8	Lipase H	LIPH		GeneCard	
248 9	Lipase I	LIPI		GeneCard	
249 0	Lipase Family Member J	LIPJ		GeneCard	
249 1	Lipase Family Member K	LIPK		GeneCard	
249 2	Lipase Family Member M	LIPM		GeneCard	
249 3	Lipopolysaccharide Induced TNF Factor	LITAF		GeneCard	
249 4	Lectin, Mannose Binding 1	LMAN1		GeneCard	
249 5	Lectin, Mannose Binding 2	LMAN2		GeneCard	
249 6	LIM And Cysteine Rich Domains 1	LMCD1		GeneCard	
249 7	Lipase Maturation Factor 1	LMF1		GeneCard	
249 8	Lipase Maturation Factor 2	LMF2		GeneCard	
249 9	Lamin A/C	LMNA	OMIM	GeneCard	DisGenet
250 0	Lamin B1	LMNB1		GeneCard	DisGenet
250 1	LIM Domain 7	LMO7		GeneCard	
250 2	Leiomodlin 1	LMOD1		GeneCard	DisGenet
250 3	Leiomodlin 2	LMOD2		GeneCard	
250 4	LIM Homeobox Transcription Factor 1 Beta	LMX1B		GeneCard	

250 5	LncRNA Regulator of Akt Signaling Associated With HCC And RCC	LNCARSR		GeneCard	
250 6	LncRNA Neighboring Enhancer of FOXA2	LNCNEF		GeneCard	
250 7	LncRNA Activated By TGF-Beta	LNCRNA-ATB		GeneCard	DisGenet
250 8	Lunapark, ER Junction Formation Factor	LNPK		GeneCard	
250 9	Uracil DNA Glycosylase Pseudogene	LOC100130177		GeneCard	
251 0	Uncharacterized LOC100287329	LOC100287329		GeneCard	
251 1	Uncharacterized LOC100506472	LOC100506472		GeneCard	
251 2	Uncharacterized LOC100507053	LOC100507053		GeneCard	
251 3	Uncharacterized LOC100507346	LOC100507346		GeneCard	
251 4	Uncharacterized LOC101927055	LOC101927055		GeneCard	
251 5	Inactive Glutathione Hydrolase 2	LOC102724197			DisGenet
251 6	Uncharacterized LOC102724465	LOC102724465		GeneCard	
251 7	Uncharacterized LOC102724802	LOC102724802		GeneCard	
251 8	Uncharacterized LOC105377143	LOC105377143		GeneCard	
251 9	APOB 5' Regulatory Region	LOC106560211		GeneCard	
252 0	GBA Recombination Region	LOC106627981		GeneCard	
252 1	Adiponectin Enhancer Region	LOC106660625		GeneCard	
252 2	MPO Proximal Enhancer and Promoter Region	LOC106694315		GeneCard	
252 3	LEP 5' Regulatory Region	LOC106728418		GeneCard	
252 4	Tenascin XB Recombination Region	LOC106780803		GeneCard	



252 5	MANTIS	LOC107985770		GeneCard	DisGenet
252 6	Enhancer-Blocking Element 11-1-2 Overlapping APOA5	LOC108491825		GeneCard	
252 7	FGF1 Promoter B	LOC109113859		GeneCard	
252 8	FGF1 Promoter C	LOC109113860		GeneCard	
252 9	FGF1 Promoter D	LOC109113862		GeneCard	
253 0	CYP19A1 Promoter I.4	LOC110386948		GeneCard	
253 1	CYP19A1 Promoter I.7	LOC110386949		GeneCard	
253 2	CYP7A1 5' Regulatory Region	LOC110596866		GeneCard	
253 3	CYP11B2 Promoter	LOC110673971		GeneCard	
253 4	TERT 5' Regulatory Region	LOC110806263		GeneCard	
253 5	NOS3 5' Regulatory Region	LOC110973015		GeneCard	
253 6	CSF1R Promoter/Intronic Regulatory Region	LOC111188156		GeneCard	
253 7	NOS1 1f and 1g Alternate Promoter Region	LOC111258525		GeneCard	
253 8	NOS2 5' Regulatory Region	LOC111365141		GeneCard	
253 9	Sharpr-MPRA Regulatory Region 9539	LOC113939944		GeneCard	
254 0	PPARG EExon Liver Enhancer	LOC114803475		GeneCard	
254 1	CTSL Promoter Region	LOC117600004		GeneCard	
254 2	Small Nucleolar RNA U13	LOC124903267		GeneCard	
254 3	Synaptotagmin Binding Cytoplasmic RNA Interacting Protein Pseudogene	LOC149844		GeneCard	
254 4	Uncharacterized LOC157273	LOC157273		GeneCard	

254 5	HLA Complex Group 26 (Non-Protein Coding) Pseudogene	LOC353007		GeneCard	
254 6	EBP Like Pseudogene	LOC729217		GeneCard	
254 7	Loss of Heterozygosity, 19, Chromosomal Region 1	LOH19CR1			DisGenet
254 8	Lysyl Oxidase	LOX		GeneCard	DisGenet
254 9	Lysyl Oxidase Like 1	LOXL1		GeneCard	
255 0	LOXL1 Antisense RNA 1	LOXL1-AS1		GeneCard	
255 1	Apolipoprotein Lp(a)	LPA	OMIM	GeneCard	DisGenet
255 2	Lipoprotein(A) Like 1	LPAL1		GeneCard	
255 3	Lipoprotein(A) Like 2, Pseudogene	LPAL2		GeneCard	DisGenet
255 4	Lysophosphatidic Acid Receptor 1	LPAR1		GeneCard	DisGenet
255 5	Lysophosphatidic Acid Receptor 2	LPAR2		GeneCard	DisGenet
255 6	Lysophosphatidic Acid Receptor 3	LPAR3		GeneCard	
255 7	Lysophosphatidic Acid Receptor 4	LPAR4			DisGenet
255 8	Lysophosphatidic Acid Receptor 5	LPAR5		GeneCard	
255 9	Lysophosphatidylcholine Acyltransferase 3	LPCAT3		GeneCard	DisGenet
256 0	Lysophosphatidylglycerol Acyltransferase 1	LPGAT1		GeneCard	
256 1	Lipin 1	LPIN1	OMIM	GeneCard	
256 2	Lipin 2	LPIN2		GeneCard	
256 3	Lipin 3	LPIN3		GeneCard	
256 4	Lipoprotein lipase	LPL	OMIM	GeneCard	DisGenet

256 5	Lactoperoxidase	LPO		GeneCard	
256 6	LIM Domain Containing Preferred Translocation Partner In Lipoma	LPP		GeneCard	DisGenet
256 7	Leupaxin	LPXN		GeneCard	
256 8	Leucine Rich Alpha-2-Glycoprotein 1	LRG1		GeneCard	
256 9	Leucine Rich Repeats and Guanylate Kinase Domain Containing	LRGUK		GeneCard	
257 0	Leucine Rich Repeats and Immunoglobulin Like Domains 1	LRIG1		GeneCard	
257 1	Leucine Rich Repeats and Immunoglobulin Like Domains 3	LRIG3		GeneCard	
257 2	Low density lipoprotein-related protein-1 (alpha-2-macroglobulin receptor)	LRP1	OMIM	GeneCard	DisGenet
257 3	LDL Receptor Related Protein 12	LRP12		GeneCard	
257 4	LDL Receptor Related Protein 1B	LRP1B		GeneCard	
257 5	LDL Receptor Related Protein 2	LRP2		GeneCard	DisGenet
257 6	LRP2 Binding Protein	LRP2BP		GeneCard	DisGenet
257 7	LRP2BP Antisense RNA 1	LRP2BP-AS1		GeneCard	
257 8	LDL Receptor Related Protein 3	LRP3		GeneCard	
257 9	LDL Receptor Related Protein 4	LRP4		GeneCard	
258 0	LDL Receptor Related Protein 5	LRP5	OMIM	GeneCard	DisGenet
258 1	LDL Receptor Related Protein 6	LRP6	OMIM	GeneCard	DisGenet
258 2	LDL Receptor Related Protein 8	LRP8	OMIM	GeneCard	DisGenet
258 3	LDL Receptor Related Protein Associated Protein 1	LRPAP1		GeneCard	
258 4	Leucine Rich Repeat Containing 10	LRRC10		GeneCard	

258 5	Leucine Rich Repeat Containing 18	LRRC18		GeneCard	
258 6	Leucine Rich Repeat Containing 2	LRRC2		GeneCard	
258 7	Leucine Rich Repeat Containing 32	LRRC32			DisGenet
258 8	Leucine Rich Repeat Containing 41	LRRC41		GeneCard	
258 9	Leucine Rich Repeat Containing 8 VRAC Subunit A	LRRC8A		GeneCard	
259 0	Leucine Rich Repeats And IQ Motif Containing 3	LRRIQ3		GeneCard	
259 1	Leucine Rich Repeat Kinase 2	LRRK2		GeneCard	
259 2	Leucine Rich Repeat Transmembrane Neuronal 1	LRRTM1		GeneCard	
259 3	Leucine Rich Repeat Transmembrane Neuronal 4	LRRTM4		GeneCard	
259 4	Limbic System Associated Membrane Protein	LSAMP		GeneCard	DisGenet
259 5	Lanosterol Synthase	LSS		GeneCard	
259 6	Lymphotoxin alpha (formerly tumor necrosis factor beta)	LTA	OMIM	GeneCard	DisGenet
259 7	Leukotriene A4 hydrolase	LTA4H	OMIM	GeneCard	DisGenet
259 8	Lymphotoxin Beta	LTB		GeneCard	DisGenet
259 9	Leukotriene B4 Receptor	LTB4R		GeneCard	DisGenet
260 0	Leukotriene B4 Receptor 2	LTB4R2		GeneCard	DisGenet
260 1	Latent Transforming Growth Factor Beta Binding Protein 1	LTBP1	OMIM	GeneCard	
260 2	Latent Transforming Growth Factor Beta Binding Protein 2	LTBP2		GeneCard	
260 3	Latent Transforming Growth Factor Beta Binding Protein 3	LTBP3		GeneCard	
260 4	Latent Transforming Growth Factor Beta Binding Protein 4	LTBP4		GeneCard	

260 5	Lymphotoxin Beta Receptor	LTBR		GeneCard	
260 6	Leukotriene C4 Synthase	LTC4S		GeneCard	
260 7	Lactotransferrin	LTF		GeneCard	
260 8	Leukocyte Receptor Tyrosine Kinase	LTK		GeneCard	
260 9	Lumican	LUM		GeneCard	DisGenet
261 0	Lymphocyte Antigen 75	LY75		GeneCard	
261 1	Lymphocyte Antigen 86	LY86		GeneCard	
261 2	Lymphocyte Antigen 9	LY9		GeneCard	
261 3	Lymphocyte Antigen 96	LY96		GeneCard	
261 4	LYN Proto-Oncogene, Src Family Tyrosine Kinase	LYN		GeneCard	
261 5	Lysophospholipase I	LYPLA1	OMIM		DisGenet
261 6	Lysophospholipase 2	LYPLA2		GeneCard	
261 7	LysM Domain Containing 4	LYSMD4		GeneCard	
261 8	Lysosomal Trafficking Regulator	LYST			DisGenet
261 9	Lymphatic Vessel Endothelial Hyaluronan Receptor 1	LYVE1		GeneCard	
262 0	Lysozyme	LYZ		GeneCard	DisGenet
262 1	Mannose-6-Phosphate Receptor, Cation Dependent	M6PR		GeneCard	
262 2	Microphthalmia or Anophthalmia and Associated Anomalies	MAA			DisGenet
262 3	MAB-21 Like 2	MAB21L2	OMIM	GeneCard	
262 4	Mono-ADP Ribosylhydrolase 2	MACROD2		GeneCard	

262 5	MAF BZIP Transcription Factor	MAF		GeneCard	
262 6	MAF BZIP Transcription Factor B	MAFB		GeneCard	DisGenet
262 7	MAF BZIP Transcription Factor F	MAFF		GeneCard	
262 8	MAF Transcriptional Regulator RNA	MAFTRR		GeneCard	
262 9	MAGE family member C3	MAGEC3			DisGenet
263 0	MAGE family member E2	MAGEE2			DisGenet
263 1	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 1	MAGI1		GeneCard	DisGenet
263 2	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 2	MAGI2		GeneCard	DisGenet
263 3	Mago Homolog B, Exon Junction Complex Subunit	MAGOHB		GeneCard	
263 4	MAK16 Homolog	MAK16			DisGenet
263 5	Mal, T Cell Differentiation Protein 2	MAL2		GeneCard	
263 6	Metastasis Associated Lung Adenocarcinoma Transcript 1	MALAT1		GeneCard	DisGenet
263 7	MAM And LDL Receptor Class A Domain Containing 1	MALRD1		GeneCard	
263 8	MALT1 Paracaspase	MALT1		GeneCard	
263 9	Mastermind Like Transcriptional Coactivator 1	MAML1			DisGenet
264 0	Mannosidase Alpha Class 2A Member 1	MAN2A1		GeneCard	
264 1	Mannosidase Alpha Class 2B Member 1	MAN2B1		GeneCard	
264 2	Mesencephalic Astrocyte Derived Neurotrophic Factor	MANF		GeneCard	
264 3	Monoamine Oxidase A	MAOA		GeneCard	DisGenet
264 4	Monoamine Oxidase B	MAOB		GeneCard	

264 5	Microtubule Associated Protein 1 Light Chain 3 Alpha	MAP1LC3A		GeneCard	
264 6	Microtubule Associated Protein 1 Light Chain 3 Beta	MAP1LC3B		GeneCard	
264 7	Microtubule Associated Protein 2	MAP2		GeneCard	
264 8	Mitogen-Activated Protein Kinase Kinase 1	MAP2K1		GeneCard	DisGenet
264 9	Mitogen-Activated Protein Kinase Kinase 3	MAP2K3		GeneCard	
265 0	Mitogen-Activated Protein Kinase Kinase 4	MAP2K4		GeneCard	
265 1	Mitogen-Activated Protein Kinase Kinase 5	MAP2K5		GeneCard	
265 2	Mitogen-Activated Protein Kinase Kinase 6	MAP2K6		GeneCard	
265 3	Mitogen-Activated Protein Kinase Kinase 7	MAP2K7		GeneCard	DisGenet
265 4	Mitogen-Activated Protein Kinase Kinase Kinase 1	MAP3K1		GeneCard	
265 5	Mitogen-Activated Protein Kinase Kinase Kinase 10	MAP3K10			DisGenet
265 6	Mitogen-Activated Protein Kinase Kinase Kinase 14	MAP3K14		GeneCard	
265 7	Mitogen-Activated Protein Kinase Kinase Kinase 2	MAP3K2		GeneCard	
265 8	Mitogen-Activated Protein Kinase Kinase Kinase 21	MAP3K21		GeneCard	
265 9	Mitogen-Activated Protein Kinase Kinase Kinase 3	MAP3K3		GeneCard	
266 0	Mitogen-Activated Protein Kinase Kinase Kinase 5	MAP3K5		GeneCard	DisGenet
266 1	Mitogen-Activated Protein Kinase Kinase Kinase 7	MAP3K7		GeneCard	DisGenet
266 2	Mitogen-Activated Protein Kinase Kinase Kinase Kinase 4	MAP4K4		GeneCard	DisGenet
266 3	Mitogen-Activated Protein Kinase 1	MAPK1		GeneCard	DisGenet
266 4	Mitogen-Activated Protein Kinase 10	MAPK10		GeneCard	

266 5	Mitogen-Activated Protein Kinase 12	MAPK12		GeneCard	
266 6	Mitogen-Activated Protein Kinase 13	MAPK13		GeneCard	
266 7	Mitogen-Activated Protein Kinase 14	MAPK14		GeneCard	DisGenet
266 8	Mitogen-Activated Protein Kinase 3	MAPK3		GeneCard	DisGenet
266 9	Mitogen-Activated Protein Kinase 7	MAPK7		GeneCard	DisGenet
267 0	Mitogen-Activated Protein Kinase 8	MAPK8		GeneCard	DisGenet
267 1	Mitogen-activated protein kinase 9	MAPK9	OMIM	GeneCard	DisGenet
267 2	MAPK Activated Protein Kinase 2	MAPKAPK2		GeneCard	
267 3	Microtubule Associated Protein Tau	MAPT		GeneCard	
267 4	Membrane Associated Ring-CH-type Finger 10	MARCHF10			DisGenet
267 5	Myristoylated Alanine Rich Protein Kinase C Substrate	MARCKS		GeneCard	
267 6	MARCKS Like 1	MARCKSL1		GeneCard	
267 7	Macrophage Receptor With Collagenous Structure	MARCO		GeneCard	
267 8	Microtubule Affinity Regulating Kinase 1	MARK1		GeneCard	
267 9	Microtubule Affinity Regulating Kinase 2	MARK2			DisGenet
268 0	Microtubule Affinity Regulating Kinase 4	MARK4		GeneCard	
268 1	Methionyl-TRNA Synthetase 1	MARS1		GeneCard	
268 2	MAS1 roto-oncogene, G protein-coupled receptor	MAS1			DisGenet
268 3	MALAT1-associated small cytoplasmic RNA	MASCRNA			DisGenet
268 4	MBL Associated Serine Protease 1	MASP1		GeneCard	



268 5	MBL Associated Serine Protease 2	MASP2		GeneCard	
268 6	Microtubule Associated Serine/Threonine Kinase Family Member 4	MAST4		GeneCard	
268 7	Methionine Adenosyltransferase 2A	MAT2A		GeneCard	
268 8	Methionine Adenosyltransferase 2B	MAT2B		GeneCard	
268 9	Mitochondrial Antiviral Signaling Protein	MAVS		GeneCard	
269 0	MYC Associated Zinc Finger Protein	MAZ		GeneCard	DisGenet
269 1	Myoglobin	MB		GeneCard	
269 2	Methyl-CpG Binding Domain Protein 2	MBD2		GeneCard	
269 3	Methyl-CpG Binding Domain Protein 3	MBD3		GeneCard	
269 4	Mannose Binding Lectin 1, Pseudogene	MBL1P		GeneCard	
269 5	Mannose Binding Lectin 2	MBL2	OMIM	GeneCard	DisGenet
269 6	Mannose-Binding Lectin Family Member 3, Pseudogene	MBL3P			DisGenet
269 7	Muscleblind Like Splicing Regulator 1	MBNL1		GeneCard	
269 8	Membrane Bound O-Acyltransferase Domain Containing 1	MBOAT1		GeneCard	
269 9	Membrane Bound Transcription Factor Peptidase, Site 1	MBTPS1		GeneCard	DisGenet
270 0	Membrane Bound Transcription Factor Peptidase, Site 2	MBTPS2		GeneCard	
270 1	Melanocortin 1 Receptor	MC1R			DisGenet
270 2	Melanocortin 4 Receptor	MC4R		GeneCard	DisGenet
270 3	Melanoma Cell Adhesion Molecule	MCAM		GeneCard	DisGenet
270 4	Malonyl-CoA-Acyl Carrier Protein Transacylase	MCAT		GeneCard	

270 5	MCF.2 Cell Line Derived Transforming Sequence Like	MCF2L		GeneCard	DisGenet
270 6	Myocardial Infarction, Susceptibility To, 2	MCI2		GeneCard	
270 7	MCL1 Apoptosis Regulator, BCL2 Family Member	MCL1		GeneCard	DisGenet
270 8	Minichromosome Maintenance Complex Component 3	MCM3			DisGenet
270 9	Minichromosome Maintenance 8 Homologous Recombination Repair Factor	MCM8		GeneCard	
271 0	Minichromosome Maintenance 9 Homologous Recombination Repair Factor	MCM9		GeneCard	
271 1	Microcephalin 1	MCPH1		GeneCard	
271 2	Multiple C2 And Transmembrane Domain Containing 2	MCTP2		GeneCard	
271 3	Midkine	MDK		GeneCard	DisGenet
271 4	MDM2 Proto-Oncogene	MDM2		GeneCard	DisGenet
271 5	MDS1 And EVI1 Complex Locus	MECOM		GeneCard	
271 6	Methyl-CpG Binding Protein 2	MECP2		GeneCard	DisGenet
271 7	Mediator Complex Subunit 1	MED1		GeneCard	DisGenet
271 8	Mediator Complex Subunit 17	MED17		GeneCard	
271 9	Mediator Complex Subunit 28	MED28		GeneCard	
272 0	Mediator Complex Subunit 30	MED30		GeneCard	
272 1	Mediator Complex Subunit 6	MED6		GeneCard	
272 2	Myocyte Enhancer Factor 2A	MEF2A		GeneCard	DisGenet
272 3	Myocyte Enhancer Factor 2C	MEF2C		GeneCard	DisGenet
272 4	MEFV Innate Immunity Regulator, Pyrin	MEFV		GeneCard	DisGenet

272 5	Maternally Expressed 3	MEG3		GeneCard	DisGenet
272 6	Maternally Expressed 8, Small Nucleolar RNA Host Gene	MEG8		GeneCard	
272 7	Multiple EGF Like Domains 10	MEGF10		GeneCard	
272 8	Meiosis Specific With OB-Fold	MEIOB		GeneCard	
272 9	Mesenchyme Homeobox 2	MEOX2		GeneCard	
273 0	Meprin A Subunit Beta	MEP1B		GeneCard	
273 1	MER Proto-Oncogene, Tyrosine Kinase	MERTK		GeneCard	DisGenet
273 2	Mesoderm Development LRP Chaperone	MESD		GeneCard	
273 3	MET Proto-Oncogene, Receptor Tyrosine Kinase	MET		GeneCard	
273 4	Meteorin, Glial Cell Differentiation Regulator	METRNL			DisGenet
273 5	Meteorin Like, Glial Cell Differentiation Regulator	METRNL		GeneCard	
273 6	Methyltransferase 14, N6-Adenosine-Methyltransferase Subunit	METTL14		GeneCard	
273 7	Methyltransferase 3, N6-Adenosine-Methyltransferase Complex Catalytic Subunit	METTL3		GeneCard	
273 8	Methyltransferase Like 9	METTL9		GeneCard	
273 9	Microfibril Associated Protein 1	MFAP1			DisGenet
274 0	Microfibril Associated Protein 2	MFAP2		GeneCard	
274 1	Microfibril Associated Protein 4	MFAP4		GeneCard	
274 2	Microfibril Associated Protein 5	MFAP5		GeneCard	
274 3	Milk Fat Globule EGF And Factor V/VIII Domain Containing	MFGE8		GeneCard	DisGenet
274 4	Mitofusin 1	MFN1		GeneCard	

274 5	Mitofusin 2	MFN2		GeneCard	DisGenet
274 6	Membrane Frizzled-Related Protein	MFRP			DisGenet
274 7	Major Facilitator Superfamily Domain Containing 11	MFSD11		GeneCard	
274 8	Major Facilitator Superfamily Domain Containing 8	MFSD8		GeneCard	
274 9	Alpha-1,6-Mannosylglycoprotein 6-Beta-N-Acetylglucosaminyltransferase B	MGAT5B		GeneCard	
275 0	Monoglyceride Lipase	MGLL		GeneCard	DisGenet
275 1	O-6-Methylguanine-DNA Methyltransferase	MGMT		GeneCard	
275 2	Matrix Gla protein	MGP	OMIM	GeneCard	DisGenet
275 3	Myosin Heavy Chain Associated RNA Transcript	MHRT		GeneCard	
275 4	MIA SH3 Domain ER Export Factor 3	MIA3		GeneCard	DisGenet
275 5	Myocardial Infarction Associated Transcript	MIAT		GeneCard	DisGenet
275 6	MHC Class I Polypeptide-Related Sequence A	MICA		GeneCard	DisGenet
275 7	MICA Antisense RNA 1	MICA-AS1		GeneCard	
275 8	MHC Class I Polypeptide-Related Sequence B	MICB		GeneCard	
275 9	Mitochondrial Contact Site and Cristae Organizing System Subunit 10	MICOS10		GeneCard	
276 0	MICOS10-NBL1 readthrough	MICOS10-NBL1			DisGenet
276 1	Mitochondrial Calcium Uptake 1	MICU1			DisGenet
276 2	Macrophage Migration Inhibitory Factor	MIF		GeneCard	DisGenet
276 3	MINDY lysine 48 deubiquitinase 4	MINDY4			DisGenet
276 4	Mitochondrial Intermediate Peptidase	MIPEP		GeneCard	

276 5	MicroRNA 100	MIR100		GeneCard	DisGenet
276 6	MicroRNA 101-1	MIR101-1		GeneCard	
276 7	MicroRNA 103a-1	MIR103A1		GeneCard	
276 8	MicroRNA 103a-2	MIR103A2		GeneCard	
276 9	MicroRNA 106a	MIR106A		GeneCard	
277 0	MicroRNA 106b	MIR106B		GeneCard	
277 1	MicroRNA 107	MIR107			DisGenet
277 2	MicroRNA 10a	MIR10A		GeneCard	DisGenet
277 3	MicroRNA 10b	MIR10B		GeneCard	DisGenet
277 4	MicroRNA 11399	MIR11399		GeneCard	
277 5	MicroRNA 11400	MIR11400		GeneCard	
277 6	MicroRNA 11401	MIR11401		GeneCard	
277 7	MicroRNA 1185-1	MIR1185-1		GeneCard	
277 8	MicroRNA 1185-2	MIR1185-2		GeneCard	
277 9	MicroRNA 1208	MIR1208		GeneCard	
278 0	MicroRNA 122	MIR122		GeneCard	DisGenet
278 1	MicroRNA 1228	MIR1228		GeneCard	
278 2	MicroRNA 124-1	MIR124-1		GeneCard	
278 3	MIR124-1 Host Gene	MIR124-1HG		GeneCard	
278 4	MicroRNA 124-2	MIR124-2		GeneCard	

278 5	MicroRNA 124-3	MIR124-3		GeneCard	
278 6	MicroRNA 1246	MIR1246		GeneCard	
278 7	MicroRNA 125a	MIR125A		GeneCard	DisGenet
278 8	MicroRNA 125b-1	MIR125B1	OMIM	GeneCard	
278 9	MicroRNA 126	MIR126		GeneCard	DisGenet
279 0	MicroRNA 1264	MIR1264		GeneCard	
279 1	MicroRNA 127	MIR127			DisGenet
279 2	MicroRNA 1275	MIR1275		GeneCard	
279 3	MicroRNA 1277	MIR1277		GeneCard	
279 4	MicroRNA 128-1	MIR128-1		GeneCard	
279 5	MicroRNA 1290	MIR1290		GeneCard	
279 6	MicroRNA 1306	MIR1306		GeneCard	
279 7	MicroRNA 130a	MIR130A		GeneCard	
279 8	MicroRNA 130b	MIR130B		GeneCard	
279 9	MicroRNA 132	MIR132		GeneCard	
280 0	MicroRNA 133a-1	MIR133A1		GeneCard	
280 1	MicroRNA 133a-2	MIR133A2		GeneCard	
280 2	MicroRNA 133b	MIR133B		GeneCard	DisGenet
280 3	MicroRNA 134	MIR134		GeneCard	DisGenet
280 4	MicroRNA 135a-1	MIR135A1		GeneCard	

280 5	MicroRNA 135a-2	MIR135A2		GeneCard	
280 6	MicroRNA 135b	MIR135B		GeneCard	DisGenet
280 7	MicroRNA 136	MIR136			DisGenet
280 8	MicroRNA 137	MIR137		GeneCard	
280 9	MicroRNA 140	MIR140		GeneCard	DisGenet
281 0	MicroRNA 141	MIR141		GeneCard	
281 1	MicroRNA 142	MIR142		GeneCard	DisGenet
281 2	MicroRNA 143	MIR143	OMIM	GeneCard	DisGenet
281 3	MicroRNA 144	MIR144		GeneCard	DisGenet
281 4	MicroRNA 145	MIR145	OMIM	GeneCard	DisGenet
281 5	MicroRNA 146a	MIR146A		GeneCard	DisGenet
281 6	MicroRNA 146b	MIR146B		GeneCard	DisGenet
281 7	MicroRNA 147a	MIR147A		GeneCard	
281 8	MicroRNA 148a	MIR148A		GeneCard	DisGenet
281 9	MicroRNA 148b	MIR148B		GeneCard	DisGenet
282 0	MicroRNA 149	MIR149		GeneCard	DisGenet
282 1	MicroRNA 150	MIR150		GeneCard	DisGenet
282 2	MicroRNA 151a	MIR151A		GeneCard	
282 3	MicroRNA 152	MIR152		GeneCard	DisGenet
282 4	MicroRNA 155	MIR155		GeneCard	DisGenet

282 5	MicroRNA 15a	MIR15A		GeneCard	DisGenet
282 6	MicroRNA 15b	MIR15B		GeneCard	
282 7	MicroRNA 16-1	MIR16-1		GeneCard	
282 8	MicroRNA 17	MIR17		GeneCard	DisGenet
282 9	MiR-17-92a-1 cluster host gene	MIR17HG			DisGenet
283 0	MicroRNA 181a-1	MIR181A1		GeneCard	
283 1	MicroRNA 181a-2	MIR181A2			DisGenet
283 2	MicroRNA 181b-1	MIR181B1		GeneCard	
283 3	MicroRNA 181b-2	MIR181B2		GeneCard	
283 4	MicroRNA 181c	MIR181C		GeneCard	
283 5	MicroRNA 182	MIR182		GeneCard	DisGenet
283 6	MicroRNA 183	MIR183		GeneCard	DisGenet
283 7	MicroRNA 184	MIR184		GeneCard	
283 8	MicroRNA 185	MIR185		GeneCard	DisGenet
283 9	MicroRNA 186	MIR186		GeneCard	
284 0	MicroRNA 188	MIR188			DisGenet
284 1	MicroRNA 18a	MIR18A		GeneCard	DisGenet
284 2	MicroRNA 18b	MIR18B			DisGenet
284 3	MicroRNA 191	MIR191		GeneCard	
284 4	MicroRNA 192	MIR192		GeneCard	DisGenet



284 5	MicroRNA 193b	MIR193B		GeneCard	
284 6	MicroRNA 194-1	MIR194-1		GeneCard	
284 7	MicroRNA 195	MIR195		GeneCard	
284 8	MicroRNA 196a-2	MIR196A2		GeneCard	
284 9	MicroRNA 197	MIR197		GeneCard	
285 0	MicroRNA 198	MIR198		GeneCard	
285 1	MicroRNA 199a-1	MIR199A1		GeneCard	DisGenet
285 2	MicroRNA 199a-2	MIR199A2		GeneCard	DisGenet
285 3	MicroRNA 19a	MIR19A		GeneCard	DisGenet
285 4	MicroRNA 19b-1	MIR19B1		GeneCard	DisGenet
285 5	MicroRNA 19b-2	MIR19B2		GeneCard	
285 6	MicroRNA 200a	MIR200A		GeneCard	
285 7	MicroRNA 200b	MIR200B		GeneCard	
285 8	MicroRNA 200c	MIR200C		GeneCard	
285 9	MicroRNA 204	MIR204		GeneCard	
286 0	MicroRNA 205	MIR205		GeneCard	DisGenet
286 1	MicroRNA 206	MIR206		GeneCard	DisGenet
286 2	MicroRNA 208a	MIR208A		GeneCard	
286 3	MicroRNA 208b	MIR208B		GeneCard	
286 4	MicroRNA 20a	MIR20A		GeneCard	DisGenet

286 5	MicroRNA 21	MIR21		GeneCard	DisGenet
286 6	MicroRNA 210	MIR210		GeneCard	DisGenet
286 7	MicroRNA 211	MIR211		GeneCard	
286 8	MicroRNA 2113	MIR2113		GeneCard	
286 9	MicroRNA 212	MIR212		GeneCard	DisGenet
287 0	MicroRNA 214	MIR214		GeneCard	DisGenet
287 1	MicroRNA 215	MIR215		GeneCard	
287 2	MicroRNA 216a	MIR216A		GeneCard	DisGenet
287 3	MicroRNA 217	MIR217	OMIM	GeneCard	DisGenet
287 4	MicroRNA 22	MIR22		GeneCard	DisGenet
287 5	MicroRNA 221	MIR221		GeneCard	DisGenet
287 6	MicroRNA 222	MIR222		GeneCard	DisGenet
287 7	MiR222/221 Cluster Host Gene	MIR222HG		GeneCard	DisGenet
287 8	MicroRNA 223	MIR223		GeneCard	DisGenet
287 9	MicroRNA 224	MIR224		GeneCard	
288 0	MicroRNA 23a	MIR23A		GeneCard	DisGenet
288 1	MicroRNA 23b	MIR23B		GeneCard	DisGenet
288 2	MicroRNA 24-1	MIR24-1		GeneCard	DisGenet
288 3	MicroRNA 24-2	MIR24-2		GeneCard	
288 4	MicroRNA 25	MIR25		GeneCard	DisGenet

288 5	MicroRNA 26a-1	MIR26A1		GeneCard	
288 6	MicroRNA 26a-2	MIR26A2		GeneCard	
288 7	MicroRNA 27a	MIR27A		GeneCard	DisGenet
288 8	MicroRNA 27b	MIR27B		GeneCard	DisGenet
288 9	MicroRNA 28	MIR28		GeneCard	DisGenet
289 0	MicroRNA 2909	MIR2909		GeneCard	
289 1	MicroRNA 296	MIR296		GeneCard	DisGenet
289 2	MicroRNA 29a	MIR29A		GeneCard	DisGenet
289 3	MicroRNA 29b-1	MIR29B1		GeneCard	DisGenet
289 4	microRNA 29b-2	MIR29B2			DisGenet
289 5	microRNA 29c	MIR29C			DisGenet
289 6	MicroRNA 302a	MIR302A		GeneCard	DisGenet
289 7	MicroRNA 30a	MIR30A		GeneCard	
289 8	MicroRNA 30b	MIR30B		GeneCard	
289 9	MicroRNA 30c-1	MIR30C1		GeneCard	DisGenet
290 0	MicroRNA 30c-2	MIR30C2		GeneCard	DisGenet
290 1	MicroRNA 30d	MIR30D		GeneCard	
290 2	MicroRNA 30e	MIR30E		GeneCard	DisGenet
290 3	MicroRNA 31	MIR31		GeneCard	
290 4	MicroRNA 3188	MIR3188		GeneCard	DisGenet

290 5	MicroRNA 320a	MIR320A		GeneCard	
290 6	MicroRNA 320b-1	MIR320B1		GeneCard	
290 7	MicroRNA 323a	MIR323A		GeneCard	
290 8	MicroRNA 324	MIR324		GeneCard	
290 9	MicroRNA 325	MIR325		GeneCard	
291 0	MicroRNA 326	MIR326		GeneCard	
291 1	MicroRNA 328	MIR328		GeneCard	DisGenet
291 2	MicroRNA 330	MIR330		GeneCard	DisGenet
291 3	MicroRNA 331	MIR331		GeneCard	
291 4	MicroRNA 335	MIR335		GeneCard	DisGenet
291 5	MicroRNA 338	MIR338			DisGenet
291 6	MicroRNA 339	MIR339		GeneCard	
291 7	MicroRNA 33a	MIR33A		GeneCard	DisGenet
291 8	MicroRNA 33b	MIR33B		GeneCard	DisGenet
291 9	MicroRNA 340	MIR340		GeneCard	
292 0	microRNA 342	MIR342			DisGenet
292 1	MicroRNA 345	MIR345		GeneCard	
292 2	MicroRNA 346	MIR346		GeneCard	
292 3	MicroRNA 34a	MIR34A		GeneCard	DisGenet
292 4	MicroRNA 34b	MIR34B		GeneCard	

292 5	MicroRNA 34c	MIR34C		GeneCard	
292 6	MicroRNA 361	MIR361		GeneCard	
292 7	MicroRNA 362	MIR362		GeneCard	DisGenet
292 8	MicroRNA 365a	MIR365A		GeneCard	
292 9	MicroRNA 367	MIR367		GeneCard	
293 0	MicroRNA 3688-1	MIR3688-1		GeneCard	
293 1	MicroRNA 370	MIR370		GeneCard	DisGenet
293 2	MicroRNA 375	MIR375			DisGenet
293 3	MicroRNA 377	MIR377		GeneCard	DisGenet
293 4	MicroRNA 378a	MIR378A		GeneCard	DisGenet
293 5	MicroRNA 378c	MIR378C		GeneCard	
293 6	MicroRNA 381	MIR381		GeneCard	
293 7	MicroRNA 382	MIR382		GeneCard	
293 8	MicroRNA 384	MIR384		GeneCard	
293 9	MicroRNA 410	MIR410			DisGenet
294 0	MicroRNA 421	MIR421		GeneCard	
294 1	MicroRNA 423	MIR423		GeneCard	
294 2	MicroRNA 424	MIR424		GeneCard	
294 3	MicroRNA 425	MIR425		GeneCard	
294 4	MicroRNA 431	MIR431			DisGenet

294 5	MicroRNA 433	MIR433		GeneCard	
294 6	MicroRNA 4463	MIR4463		GeneCard	DisGenet
294 7	MicroRNA 448	MIR448		GeneCard	
294 8	MicroRNA 449a	MIR449A			DisGenet
294 9	MicroRNA 451a	MIR451A		GeneCard	DisGenet
295 0	MicroRNA 455	MIR455		GeneCard	DisGenet
295 1	MicroRNA 4632	MIR4632		GeneCard	
295 2	MIR4713 Host Gene	MIR4713HG		GeneCard	
295 3	MicroRNA 4723	MIR4723		GeneCard	
295 4	MicroRNA 4731	MIR4731		GeneCard	
295 5	MicroRNA 483	MIR483		GeneCard	
295 6	MicroRNA 484	MIR484		GeneCard	
295 7	MicroRNA 486-1	MIR486-1		GeneCard	DisGenet
295 8	MicroRNA 488	MIR488		GeneCard	
295 9	MicroRNA 489	MIR489		GeneCard	DisGenet
296 0	MicroRNA 490	MIR490		GeneCard	DisGenet
296 1	MicroRNA 491	MIR491		GeneCard	
296 2	MicroRNA 492	MIR492		GeneCard	DisGenet
296 3	MicroRNA 494	MIR494		GeneCard	DisGenet
296 4	MicroRNA 495	MIR495		GeneCard	

296 5	MicroRNA 496	MIR496		GeneCard	
296 6	MicroRNA 497	MIR497		GeneCard	DisGenet
296 7	MicroRNA 499a	MIR499A		GeneCard	DisGenet
296 8	MicroRNA 500a	MIR500A		GeneCard	
296 9	MicroRNA 502	MIR502		GeneCard	
297 0	MicroRNA 503	MIR503		GeneCard	
297 1	MicroRNA 505	MIR505		GeneCard	DisGenet
297 2	MicroRNA 506	MIR506		GeneCard	
297 3	MicroRNA 508	MIR508		GeneCard	
297 4	MicroRNA 512-1	MIR512-1		GeneCard	
297 5	MicroRNA 518b	MIR518B		GeneCard	
297 6	MicroRNA 5197	MIR5197		GeneCard	
297 7	MicroRNA 519d	MIR519D			DisGenet
297 8	MicroRNA 520b	MIR520B		GeneCard	
297 9	MicroRNA 520c	MIR520C		GeneCard	
298 0	MicroRNA 532	MIR532		GeneCard	
298 1	MicroRNA 541	MIR541		GeneCard	
298 2	MicroRNA 544a	MIR544A		GeneCard	
298 3	MicroRNA 544b	MIR544B		GeneCard	
298 4	MicroRNA 548j	MIR548J		GeneCard	

298 5	MicroRNA 548p	MIR548P		GeneCard	
298 6	MicroRNA 556	MIR556		GeneCard	
298 7	MicroRNA 557	MIR557		GeneCard	
298 8	MicroRNA 570	MIR570		GeneCard	
298 9	MicroRNA 575	MIR575		GeneCard	DisGenet
299 0	MicroRNA 583	MIR583		GeneCard	
299 1	MicroRNA 584	MIR584		GeneCard	
299 2	MicroRNA 590	MIR590		GeneCard	DisGenet
299 3	MicroRNA 596	MIR596		GeneCard	
299 4	MicroRNA 599	MIR599		GeneCard	
299 5	MicroRNA 600	MIR600		GeneCard	
299 6	MicroRNA 601	MIR601		GeneCard	
299 7	MicroRNA 602	MIR602		GeneCard	
299 8	MicroRNA 608	MIR608		GeneCard	
299 9	MicroRNA 6089	MIR6089		GeneCard	
300 0	MicroRNA 611	MIR611		GeneCard	
300 1	MicroRNA 612	MIR612		GeneCard	DisGenet
300 2	MicroRNA 613	MIR613		GeneCard	
300 3	MicroRNA 6132	MIR6132		GeneCard	
300 4	MicroRNA 615	MIR615		GeneCard	



300 5	MicroRNA 616	MIR616		GeneCard	
300 6	MicroRNA 622	MIR622		GeneCard	
300 7	MicroRNA 624	MIR624		GeneCard	
300 8	MicroRNA 629	MIR629		GeneCard	
300 9	MicroRNA 630	MIR630		GeneCard	
301 0	MicroRNA 636	MIR636		GeneCard	
301 1	MicroRNA 637	MIR637		GeneCard	
301 2	MicroRNA 638	MIR638		GeneCard	
301 3	MicroRNA 642a	MIR642A		GeneCard	
301 4	MicroRNA 647	MIR647		GeneCard	DisGenet
301 5	MicroRNA 652	MIR652			DisGenet
301 6	MicroRNA 654	MIR654		GeneCard	
301 7	MicroRNA 657	MIR657		GeneCard	
301 8	MicroRNA 658	MIR658		GeneCard	
301 9	MicroRNA 659	MIR659		GeneCard	
302 0	MicroRNA 662	MIR662		GeneCard	
302 1	MicroRNA 663a	MIR663A		GeneCard	
302 2	MicroRNA 664a	MIR664A		GeneCard	DisGenet
302 3	MicroRNA 6742	MIR6742		GeneCard	
302 4	MicroRNA 6873	MIR6873		GeneCard	

302 5	MicroRNA 6886	MIR6886		GeneCard	
302 6	MicroRNA 6891	MIR6891		GeneCard	
302 7	MicroRNA 758	MIR758		GeneCard	DisGenet
302 8	MicroRNA 761	MIR761		GeneCard	
302 9	MicroRNA 769	MIR769		GeneCard	
303 0	MicroRNA 873	MIR873		GeneCard	
303 1	MicroRNA 876	MIR876			DisGenet
303 2	MicroRNA 9-1	MIR9-1		GeneCard	
303 3	MicroRNA 9-2	MIR9-2		GeneCard	
303 4	MicroRNA 92a-1	MIR92A1		GeneCard	
303 5	MicroRNA 92a-2	MIR92A2		GeneCard	
303 6	MicroRNA 92b	MIR92B		GeneCard	
303 7	MicroRNA 93	MIR93		GeneCard	
303 8	MicroRNA 942	MIR942		GeneCard	
303 9	MicroRNA 98	MIR98		GeneCard	DisGenet
304 0	MicroRNA 99a	MIR99A		GeneCard	DisGenet
304 1	MicroRNA Let-7a-1	MIRLET7A1		GeneCard	
304 2	MicroRNA Let-7a-2	MIRLET7A2		GeneCard	
304 3	MicroRNA Let-7a-3	MIRLET7A3		GeneCard	
304 4	MicroRNA Let-7b	MIRLET7B		GeneCard	DisGenet

304 5	MicroRNA Let-7c	MIRLET7C		GeneCard	
304 6	MicroRNA Let-7d	MIRLET7D		GeneCard	
304 7	MicroRNA Let-7e	MIRLET7E		GeneCard	
304 8	MicroRNA Let-7f-1	MIRLET7F1		GeneCard	
304 9	MicroRNA Let-7g	MIRLET7G		GeneCard	DisGenet
305 0	Mitochondrial Matrix Import Factor 23	MIX23		GeneCard	
305 1	Marker Of Proliferation Ki-67	MKI67		GeneCard	
305 2	MAPK Interacting Serine/Threonine Kinase 1	MKNK1		GeneCard	
305 3	Modulator of VRAC Current 1	MLC1			DisGenet
305 4	MutL Homolog 1	MLH1		GeneCard	
305 5	MutL Homolog 3	MLH3		GeneCard	
305 6	Mixed Lineage Kinase Domain Like Pseudokinase	MLKL		GeneCard	DisGenet
305 7	Motilin	MLN		GeneCard	
305 8	MTOR Associated Protein, LST8 Homolog	MLST8		GeneCard	
305 9	MAX Dimerization Protein MLX	MLX		GeneCard	
306 0	MLX Interacting Protein Like	MLXIPL		GeneCard	DisGenet
306 1	Metabolism Of Cobalamin Associated C	MMACHC	OMIM	GeneCard	
306 2	Monocyte to Macrophage Differentiation Associated	MMD			DisGenet
306 3	Membrane Metalloendopeptidase	MME		GeneCard	
306 4	Matrix Metallopeptidase 1	MMP1		GeneCard	DisGenet

306 5	Matrix Metallopeptidase 10	MMP10		GeneCard	DisGenet
306 6	Matrix Metallopeptidase 11	MMP11		GeneCard	DisGenet
306 7	Matrix Metallopeptidase 12	MMP12	OMIM	GeneCard	DisGenet
306 8	Matrix Metallopeptidase 13	MMP13		GeneCard	DisGenet
306 9	Matrix Metallopeptidase 14	MMP14		GeneCard	DisGenet
307 0	Matrix Metallopeptidase 15	MMP15		GeneCard	
307 1	Matrix Metallopeptidase 17	MMP17		GeneCard	DisGenet
307 2	Matrix Metallopeptidase 19	MMP19		GeneCard	
307 3	Matrix Metallopeptidase 2	MMP2		GeneCard	DisGenet
307 4	Matrix Metallopeptidase 26	MMP26		GeneCard	
307 5	Matrix Metalloproteinase 3 (stromelysin 1, progelatinase)	MMP3	OMIM		DisGenet
307 6	Matrix Metallopeptidase 7	MMP7		GeneCard	DisGenet
307 7	Matrix Metallopeptidase 8	MMP8		GeneCard	DisGenet
307 8	Matrix Metallopeptidase 9	MMP9		GeneCard	DisGenet
307 9	Multimerin 1	MMRN1		GeneCard	DisGenet
308 0	Malignant Mesothelioma	MMS			DisGenet
308 1	Meiotic Nuclear Divisions 1	MND1		GeneCard	
308 2	Myeloid Cell Nuclear Differentiation Antigen	MNDA		GeneCard	DisGenet
308 3	Meiosis Specific Nuclear Structural 1	MNS1		GeneCard	
308 4	Myelin Associated Oligodendrocyte Basic Protein	MOBP		GeneCard	

308 5	Molybdenum Cofactor Sulfurase	MOCOS		GeneCard	DisGenet
308 6	Molybdenum Cofactor Synthesis 1	MOCS1		GeneCard	
308 7	Molybdenum Cofactor Synthesis 2	MOCS2		GeneCard	
308 8	MOK protein kinase	MOK			DisGenet
308 9	MORC Family CW-Type Zinc Finger 1	MORC1		GeneCard	
309 0	Macrophage Expressed 1	MPEG1			DisGenet
309 1	Mannose Phosphate Isomerase	MPI		GeneCard	
309 2	MPL Proto-Oncogene, Thrombopoietin Receptor	MPL		GeneCard	
309 3	Myeloperoxidase	MPO		GeneCard	DisGenet
309 4	MAGUK P55 Scaffold Protein 1	MPP1		GeneCard	
309 5	MAGUK P55 Scaffold Protein 7	MPP7		GeneCard	
309 6	Myosin Phosphatase Rho Interacting Protein	MPRIIP		GeneCard	DisGenet
309 7	Myelin Protein Zero Like 2	MPZL2			DisGenet
309 8	Muscle RAS Oncogene Homolog	MRAS		GeneCard	
309 9	Mannose Receptor C-Type 1	MRC1		GeneCard	DisGenet
310 0	MRE11 Homolog, Double Strand Break Repair Nuclease	MRE11		GeneCard	
310 1	Maestro Heat Like Repeat Family Member 5 (Gene/Pseudogene)	MROH5		GeneCard	
310 2	Mitochondrial Ribosomal Protein L10	MRPL10		GeneCard	
310 3	Mitochondrial Ribosomal Protein L14	MRPL14		GeneCard	
310 4	Mitochondrial Ribosomal Protein S22	MRPS22		GeneCard	

310 5	Mitochondrial Ribosomal Protein S36 Pseudogene 3	MRPS36P3		GeneCard	
310 6	Myocardin Related Transcription Factor A	MRTFA		GeneCard	DisGenet
310 7	Myocardin Related Transcription Factor B	MRTFB		GeneCard	
310 8	Membrane Spanning 4-Domains A1	MS4A1			DisGenet
310 9	Membrane Spanning 4-Domains A13	MS4A13		GeneCard	
311 0	Membrane Spanning 4-Domains A2	MS4A2		GeneCard	
311 1	Membrane Spanning 4-Domains A4E	MS4A4E		GeneCard	
311 2	Minisatellite Binding Protein 1	MSBP1		GeneCard	
311 3	Minisatellite Binding Protein 2	MSBP2		GeneCard	
311 4	MSC Antisense RNA 1	MSC-AS1		GeneCard	
311 5	MutS Homolog 3	MSH3		GeneCard	
311 6	MutS Homolog 4	MSH4		GeneCard	
311 7	MutS Homolog 5	MSH5		GeneCard	
311 8	Musashi RNA Binding Protein 2	MSI2		GeneCard	
311 9	Methylsterol Monooxygenase 1	MSMO1		GeneCard	
312 0	Macrophage scavenger receptor	MSR1	OMIM	GeneCard	DisGenet
312 1	Methionine Sulfoxide Reductase A	MSRA		GeneCard	DisGenet
312 2	Methionine Sulfoxide Reductase B1	MSRB1		GeneCard	
312 3	Macrophage Stimulating 1	MST1			DisGenet
312 4	Macrophage Stimulating 1 Receptor	MST1R			DisGenet

312 5	Myostatin	MSTN		GeneCard	DisGenet
312 6	Msh Homeobox 2	MSX2		GeneCard	
312 7	Metallothionein 1F	MT1F			DisGenet
312 8	Metallothionein 1X	MT1X		GeneCard	
312 9	Metallothionein 2A	MT2A		GeneCard	DisGenet
313 0	Metallothionein 3	MT3		GeneCard	
313 1	Metastasis Associated 1	MTA1		GeneCard	
313 2	Metastasis Associated 1 Family Member 2	MTA2		GeneCard	
313 3	Metastasis Associated 1 Family Member 3	MTA3		GeneCard	
313 4	Methylthioadenosine Phosphorylase	MTAP		GeneCard	DisGenet
313 5	Mitochondrially Encoded ATP Synthase Membrane Subunit 6	MT-ATP6		GeneCard	
313 6	Mitochondrially Encoded Cytochrome C Oxidase I	MT-CO1		GeneCard	
313 7	Mitochondrially Encoded Cytochrome C Oxidase II	MT-CO2		GeneCard	
313 8	MT-CO2 Pseudogene 12	MTCO2P12			DisGenet
313 9	Mitochondrially Encoded Cytochrome C Oxidase III	MT-CO3		GeneCard	
314 0	Mitochondrially Encoded Cytochrome B	MT-CYB		GeneCard	
314 1	Mitochondrial Fission Process 1	MTFP1		GeneCard	
314 2	Methylenetetrahydrofolate Dehydrogenase, Cyclohydrolase and Formyltetrahydrofolate Synthetase 1	MTHFD1		GeneCard	
314 3	Methylenetetrahydrofolate Dehydrogenase (NADP+ Dependent) 1 Like	MTHFD1L		GeneCard	
314 4	Methylenetetrahydrofolate Dehydrogenase (NADP+ Dependent) 2, Methenyltetrahydrofolate Cyclohydrolase	MTHFD2		GeneCard	DisGenet

314 5	Methylenetetrahydrofolate Reductase	MTHFR		GeneCard	DisGenet
314 6	Methenyltetrahydrofolate Synthetase	MTHFS		GeneCard	
314 7	Mitochondrially Encoded Long Non-Coding Cardiac Associated RNA	MT-LIPCAR		GeneCard	
314 8	Myotubularin 1	MTM1		GeneCard	
314 9	Myotubularin Related Protein 2	MTMR2		GeneCard	
315 0	Myotubularin Related Protein 6	MTMR6		GeneCard	
315 1	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 1	MT-ND1		GeneCard	
315 2	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 2	MT-ND2		GeneCard	
315 3	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 6	MT-ND6		GeneCard	
315 4	Melatonin Receptor 1A	MTNR1A		GeneCard	
315 5	Melatonin Receptor 1B	MTNR1B		GeneCard	
315 6	Mitochondrial TRNA Translation Optimization 1	MTO1		GeneCard	
315 7	Mechanistic Target of Rapamycin Kinase	MTOR		GeneCard	DisGenet
315 8	Myotrophin	MTPN		GeneCard	
315 9	5-Methyltetrahydrofolate-Homocysteine Methyltransferase	MTR		GeneCard	
316 0	Mitochondrially Encoded 16S RRNA	MT-RNR2		GeneCard	
316 1	MT-RNR2 Like 8 (Pseudogene)	MTRNR2L8		GeneCard	
316 2	5-Methyltetrahydrofolate-Homocysteine Methyltransferase Reductase	MTRR		GeneCard	DisGenet
316 3	MTSS I-BAR Domain Containing 1	MTSS1			DisGenet
316 4	Mitochondrially Encoded TRNA-Ile (AUU/C)	MT-TI		GeneCard	



316 5	Mitochondrially Encoded tRNA-Leu (UUA/G) 1	MT-TL1		GeneCard	
316 6	Microsomal Triglyceride Transfer Protein	MTTP	OMIM	GeneCard	DisGenet
316 7	Microtubule Associated Scaffold Protein 1	MTUS1		GeneCard	
316 8	Mucin 1, Cell Surface Associated	MUC1		GeneCard	DisGenet
316 9	Mucin 16, Cell Surface Associated	MUC16		GeneCard	DisGenet
317 0	MUS81 Structure-Specific Endonuclease Subunit	MUS81		GeneCard	
317 1	Muscle Associated Receptor Tyrosine Kinase	MUSK		GeneCard	
317 2	MutY DNA Glycosylase	MUTYH		GeneCard	
317 3	Mevalonate Kinase	MVK		GeneCard	
317 4	Major Vault Protein	MVP		GeneCard	DisGenet
317 5	MX Dynamin Like GTPase 1	MX1		GeneCard	
317 6	MAX Dimerization Protein 1	MXD1		GeneCard	
317 7	MAX Dimerization Protein 3	MXD3		GeneCard	
317 8	Matrix Remodeling Associated 7	MXRA7		GeneCard	
317 9	MYB Proto-Oncogene, Transcription Factor	MYB		GeneCard	
318 0	MYB Proto-Oncogene Like 2	MYBL2		GeneCard	
318 1	Myosin Binding Protein C1	MYBPC1		GeneCard	
318 2	Myosin Binding Protein C2	MYBPC2		GeneCard	
318 3	Myosin Binding Protein C3	MYBPC3		GeneCard	
318 4	Myosin Binding Protein H Like	MYBPHL		GeneCard	

318 5	MYC Proto-Oncogene, BHLH Transcription Factor	MYC		GeneCard	DisGenet
318 6	MYCN Proto-Oncogene, BHLH Transcription Factor	MYCN		GeneCard	
318 7	MYD88 Innate Immune Signal Transduction Adaptor	MYD88	OMIM	GeneCard	DisGenet
318 8	Myeloid Derived Growth Factor	MYDGF		GeneCard	DisGenet
318 9	Myosin Heavy Chain 10	MYH10		GeneCard	
319 0	Myosin Heavy Chain 11	MYH11		GeneCard	DisGenet
319 1	Myosin Heavy Chain 14	MYH14		GeneCard	
319 2	Myosin Heavy Chain 15	MYH15		GeneCard	DisGenet
319 3	Myosin Heavy Chain 6	MYH6		GeneCard	
319 4	Myosin Heavy Chain 7	MYH7		GeneCard	
319 5	Myosin Heavy Chain 7B	MYH7B		GeneCard	
319 6	Myosin Heavy Chain 9	MYH9		GeneCard	DisGenet
319 7	Myosin Light Chain 12A	MYL12A		GeneCard	
319 8	Myosin Light Chain 2	MYL2		GeneCard	
319 9	Myosin Light Chain 3	MYL3		GeneCard	
320 0	Myosin Light Chain 4	MYL4		GeneCard	
320 1	Myosin Light Chain 6	MYL6		GeneCard	
320 2	Myosin Regulatory Light Chain Interacting Protein	MYLIP		GeneCard	
320 3	Myosin Light Chain Kinase	MYLK		GeneCard	DisGenet
320 4	Myosin Light Chain Kinase 3	MYLK3		GeneCard	

320 5	MYLK Antisense RNA 1	MYLK-AS1		GeneCard	
320 6	Moyamoya Disease 4	MYMY4		GeneCard	
320 7	Myosin IE	MYO1E		GeneCard	
320 8	Myosin VA	MYO5A		GeneCard	
320 9	Myosin VIIA	MYO7A		GeneCard	
321 0	Myosin VIIB	MYO7B		GeneCard	
321 1	Myocardin	MYOCD		GeneCard	DisGenet
321 2	Myogenic Differentiation 1	MYOD1		GeneCard	
321 3	Myomesin 1	MYOM1		GeneCard	
321 4	Myomesin 3	MYOM3		GeneCard	
321 5	Myotilin	MYOT		GeneCard	
321 6	Myozenin 1	MYOZ1		GeneCard	
321 7	Myozenin 2	MYOZ2		GeneCard	
321 8	Myopalladin	MYPN		GeneCard	
321 9	Myocardial Zonula Adherens Protein	MYZAP		GeneCard	
322 0	Marginal Zone B And B1 Cell Specific Protein	MZB1			DisGenet
322 1	N-Alpha-Acetyltransferase 25, Natb Auxiliary Subunit	NAA25			DisGenet
322 2	N-Acylethanolamine Acid Amidase	NAAA			DisGenet
322 3	NGFI-A Binding Protein 1	NAB1		GeneCard	
322 4	NGFI-A Binding Protein 2	NAB2		GeneCard	

322 5	Nucleic Acid Binding Protein 1	NABP1		GeneCard	
322 6	N-Acetyl-Alpha-Glucosaminidase	NAGLU			DisGenet
322 7	NALCN Channel Auxiliary Factor 1	NALF1		GeneCard	
322 8	Nicotinamide Phosphoribosyltransferase	NAMPT		GeneCard	DisGenet
322 9	Nanos C2HC-Type Zinc Finger 2	NANOS2			DisGenet
323 0	Nanos C2HC-Type Zinc Finger 3	NANOS3		GeneCard	DisGenet
323 1	N-Acetylneuraminate Synthase	NANS			DisGenet
323 2	Nucleosome Assembly Protein 1 Like 1 Pseudogene 1	NAP1L1P1		GeneCard	
323 3	NSF Attachment Protein Gamma	NAPG		GeneCard	
323 4	Nuclear Autoantigenic Sperm Protein Pseudogene 1	NASPP1		GeneCard	
323 5	N-Acetyltransferase 1	NAT1		GeneCard	
323 6	N-Acetyltransferase 10	NAT10		GeneCard	
323 7	N-Acetyltransferase 2	NAT2		GeneCard	DisGenet
323 8	N-Acetyltransferase 8 (Putative)	NAT8		GeneCard	
323 9	Neuron Navigator 1	NAV1		GeneCard	
324 0	NAD(P)HX Epimerase	NAXE		GeneCard	DisGenet
324 1	NBAS subunit of NRZ tethering complex	NBAS			DisGenet
324 2	Neurobeachin Like 2	NBEAL2			DisGenet
324 3	NBL1, DAN Family BMP Antagonist	NBL1		GeneCard	DisGenet
324 4	Nibrin	NBN		GeneCard	DisGenet

324 5	NBPF Member 3	NBPF3		GeneCard	
324 6	Non-SMC Condensin II Complex Subunit H2	NCAPH2		GeneCard	
324 7	Neutral Cholesterol Ester Hydrolase 1	NCEH1	OMIM	GeneCard	DisGenet
324 8	Neutrophil Cytosolic Factor 1	NCF1		GeneCard	DisGenet
324 9	Neutrophil Cytosolic Factor 2	NCF2		GeneCard	DisGenet
325 0	NCK Adaptor Protein 1	NCK1		GeneCard	
325 1	Nucleolin	NCL		GeneCard	
325 2	Nuclear Receptor Coactivator 1	NCOA1		GeneCard	
325 3	Nuclear Receptor Coactivator 2	NCOA2		GeneCard	
325 4	Nuclear Receptor Coactivator 3	NCOA3		GeneCard	
325 5	Nuclear Receptor Coactivator 5	NCOA5		GeneCard	
325 6	Nuclear Receptor Corepressor 1	NCOR1		GeneCard	DisGenet
325 7	Nuclear Receptor Corepressor 2	NCOR2		GeneCard	
325 8	Natural Cytotoxicity Triggering Receptor 2	NCR2		GeneCard	
325 9	Non-Protein Coding RNA, Upstream Of F2R/PAR1	NCRUPAR		GeneCard	
326 0	Nicastrin	NCSTN		GeneCard	
326 1	NudE Neurodevelopment Protein 1	NDE1		GeneCard	
326 2	Norrin Cystine Knot Growth Factor NDP	NDP		GeneCard	
326 3	N-Myc Downstream Regulated 1	NDRG1		GeneCard	
326 4	NDRG Family Member 2	NDRG2		GeneCard	

326 5	NADH:Ubiquinone Oxidoreductase Subunit A10	NDUFA10		GeneCard	
326 6	NADH:Ubiquinone Oxidoreductase Subunit A2	NDUFA2			DisGenet
326 7	NADH:Ubiquinone Oxidoreductase Subunit A9	NDUFA9		GeneCard	
326 8	NADH:Ubiquinone Oxidoreductase Subunit AB1	NDUFAB1			DisGenet
326 9	NADH:Ubiquinone Oxidoreductase Complex Assembly Factor 2	NDUFAF2		GeneCard	
327 0	NADH:Ubiquinone Oxidoreductase Subunit B4	NDUFB4		GeneCard	
327 1	NADH:Ubiquinone Oxidoreductase Subunit B8	NDUFB8		GeneCard	
327 2	NADH:Ubiquinone Oxidoreductase Core Subunit S2	NDUFS2		GeneCard	
327 3	NADH:Ubiquinone Oxidoreductase Subunit S4	NDUFS4		GeneCard	
327 4	NADH:Ubiquinone Oxidoreductase Subunit S6	NDUFS6		GeneCard	
327 5	NADH:Ubiquinone Oxidoreductase Core Subunit V1	NDUFV1		GeneCard	
327 6	Nuclear Paraspeckle Assembly Transcript 1	NEAT1		GeneCard	DisGenet
327 7	Nebulette	NEBL		GeneCard	
327 8	Nectin Cell Adhesion Molecule 1	NECTIN1			DisGenet
327 9	Nectin Cell Adhesion Molecule 2	NECTIN2		GeneCard	DisGenet
328 0	NEDD4 E3 Ubiquitin Protein Ligase	NEDD4		GeneCard	DisGenet
328 1	NEDD8 Ubiquitin Like Modifier	NEDD8		GeneCard	
328 2	Neurofilament Light Chain	NEFL		GeneCard	
328 3	Nei Like DNA Glycosylase 1	NEIL1		GeneCard	
328 4	Nei Like DNA Glycosylase 2	NEIL2		GeneCard	

328 5	Nei Like DNA Glycosylase 3	NEIL3		GeneCard	
328 6	NIMA Related Kinase 7	NEK7		GeneCard	
328 7	NIMA Related Kinase 9	NEK9		GeneCard	
328 8	Nestin	NES		GeneCard	DisGenet
328 9	Neuropilin And Tolloid Like 1	NETO1		GeneCard	
329 0	Neuraminidase 1	NEU1	OMIM	GeneCard	DisGenet
329 1	Neuraminidase 3	NEU3		GeneCard	
329 2	Neuralized E3 Ubiquitin Protein Ligase 1	NEURL1		GeneCard	
329 3	Nexilin F-Actin Binding Protein	NEXN	OMIM	GeneCard	DisGenet
329 4	NEXN Antisense RNA 1	NEXN-AS1	OMIM	GeneCard	DisGenet
329 5	Neurofibromin 1	NF1		GeneCard	DisGenet
329 6	NF2, Moesin-Ezrin-Radixin Like (MERLIN) Tumor Suppressor	NF2		GeneCard	
329 7	NFAT Activating Protein With ITAM Motif 1	NFAM1		GeneCard	
329 8	Nuclear Factor Of Activated T Cells 5	NFAT5		GeneCard	DisGenet
329 9	Nuclear Factor Of Activated T Cells 1	NFATC1		GeneCard	
330 0	Nuclear Factor Of Activated T Cells 2	NFATC2		GeneCard	
330 1	Nuclear Factor Of Activated T Cells 3	NFATC3		GeneCard	
330 2	Nuclear Factor Of Activated T Cells 4	NFATC4		GeneCard	
330 3	Nuclear Factor, Erythroid 2	NFE2			DisGenet
330 4	NFE2 Like BZIP Transcription Factor 1	NFE2L1		GeneCard	

330 5	NFE2 Like BZIP Transcription Factor 2	NFE2L2		GeneCard	DisGenet
330 6	Nuclear Factor I A	NFIA		GeneCard	DisGenet
330 7	NFIA Antisense RNA 1	NFIA-AS1		GeneCard	
330 8	Nuclear Factor Kappa B Subunit 1	NFKB1	OMIM	GeneCard	DisGenet
330 9	Nuclear Factor Kappa B Subunit 2	NFKB2	OMIM	GeneCard	DisGenet
331 0	NFKB Inhibitor Alpha	NFKBIA		GeneCard	DisGenet
331 1	NFKB Inhibitor Beta	NFKBIB		GeneCard	
331 2	NFKB Inhibitor Epsilon	NFKBIE		GeneCard	
331 3	NFKB Inhibitor Like 1	NFKBIL1		GeneCard	
331 4	NFS1 Cysteine Desulfurase	NFS1		GeneCard	
331 5	Neuroglobin	NGB		GeneCard	DisGenet
331 6	Neuronal Guanine Nucleotide Exchange Factor	NGEF		GeneCard	
331 7	Nerve Growth Factor	NGF		GeneCard	
331 8	Nerve Growth Factor Receptor	NGFR		GeneCard	DisGenet
331 9	Non-Homologous End Joining Factor 1	NHEJ1		GeneCard	
332 0	NHL Repeat Containing E3 Ubiquitin Protein Ligase 1	NHLRC1		GeneCard	
332 1	NGG1 Interacting Factor 3 Like 1	NIF3L1			DisGenet
332 2	Ninjurin 1	NINJ1		GeneCard	
332 3	Ninjurin 2	NINJ2		GeneCard	DisGenet
332 4	Nipsnap Homolog 3B	NIPSNAP3B		GeneCard	



332 5	Nischarin	NISCH		GeneCard	DisGenet
332 6	Nitrilase Family Member 2	NIT2		GeneCard	
332 7	NFKB Activating Protein Like	NKAPL		GeneCard	
332 8	NK2 Homeobox 5	NKX2-5		GeneCard	DisGenet
332 9	NLR Family CARD Domain Containing 4	NLRC4		GeneCard	
333 0	NLR Family Pyrin Domain Containing 1	NLRP1		GeneCard	
333 1	NLR Family Pyrin Domain Containing 11	NLRP11		GeneCard	
333 2	NLR Family Pyrin Domain Containing 12	NLRP12		GeneCard	
333 3	NLR Family, Pyrin Domain Containing 3	NLRP3	OMIM	GeneCard	DisGenet
333 4	NLR Family Pyrin Domain Containing 5	NLRP5		GeneCard	
333 5	NME1-NME2 readthrough	NME1-NME2			DisGenet
333 6	NME/NM23 Nucleoside Diphosphate Kinase 2	NME2		GeneCard	DisGenet
333 7	NME/NM23 Nucleoside Diphosphate Kinase 4	NME4		GeneCard	
333 8	NME/NM23 Family Member 8	NME8		GeneCard	
333 9	N-Myc And STAT Interactor	NMI		GeneCard	
334 0	Nicotinamide N-Methyltransferase	NNMT		GeneCard	DisGenet
334 1	Nicotinamide Nucleotide Transhydrogenase	NNT			DisGenet
334 2	NOBOX Oogenesis Homeobox	NOBOX		GeneCard	
334 3	Nucleotide Binding Oligomerization Domain Containing 1	NOD1		GeneCard	DisGenet
334 4	Nucleotide Binding Oligomerization Domain Containing 2	NOD2		GeneCard	DisGenet

334 5	Noggin	NOG		GeneCard	
334 6	Nucleolar Protein 3	NOL3		GeneCard	
334 7	NODAL Modulator 1	NOMO1		GeneCard	
334 8	NODAL Modulator 2	NOMO2		GeneCard	
334 9	NODAL Modulator 3	NOMO3		GeneCard	
335 0	NOP2 Nucleolar Protein	NOP2			DisGenet
335 1	Non-Coding RNA Activated by DNA Damage	NORAD		GeneCard	DisGenet
335 2	Nitric Oxide Synthase 1	NOS1		GeneCard	DisGenet
335 3	Nitric Oxide Synthase 1 Adaptor Protein	NOS1AP		GeneCard	DisGenet
335 4	Nitric Oxide Synthase 2	NOS2		GeneCard	DisGenet
335 5	Nitric oxide synthase 3, endothelial cell	NOS3	OMIM	GeneCard	DisGenet
335 6	Nitric Oxide Synthase Interacting Protein	NOSIP		GeneCard	
335 7	Notch Receptor 1	NOTCH1		GeneCard	DisGenet
335 8	Notch Receptor 2	NOTCH2		GeneCard	DisGenet
335 9	Notch Receptor 3	NOTCH3		GeneCard	DisGenet
336 0	Notch Receptor 4	NOTCH4		GeneCard	
336 1	NADPH Oxidase 1	NOX1		GeneCard	DisGenet
336 2	NADPH Oxidase 4	NOX4		GeneCard	DisGenet
336 3	NADPH Oxidase 5	NOX5		GeneCard	DisGenet
336 4	NADPH Oxidase Activator 1	NOXA1		GeneCard	DisGenet

336 5	NADPH Oxidase Organizer 1	NOXO1		GeneCard	
336 6	Neuropeptide B	NPB		GeneCard	
336 7	NPC Intracellular Cholesterol Transporter 1	NPC1		GeneCard	DisGenet
336 8	NPC1-like intracellular cholesterol transporter 1	NPC1L1	OMIM	GeneCard	DisGenet
336 9	NPC1 Like Intracellular Cholesterol Transporter 1	NPC2		GeneCard	
337 0	NPC Intracellular Cholesterol Transporter 2	NPEPPS		GeneCard	DisGenet
337 1	NPHS1 Adhesion Molecule, Nephlin	NPHS1		GeneCard	
337 2	NPHS2 Stomatin Family Member, Podocin	NPHS2		GeneCard	DisGenet
337 3	Nucleophosmin 1	NPM1		GeneCard	
337 4	Nephronectin	NPNT		GeneCard	
337 5	Natriuretic Peptide A	NPPA		GeneCard	DisGenet
337 6	Natriuretic Peptide B	NPPB		GeneCard	DisGenet
337 7	Natriuretic Peptide C	NPPC		GeneCard	DisGenet
337 8	Natriuretic Peptide Receptor 1	NPR1		GeneCard	
337 9	Natriuretic Peptide Receptor 2	NPR2		GeneCard	
338 0	Natriuretic Peptide Receptor 3	NPR3		GeneCard	
338 1	Neuropeptide S	NPS		GeneCard	
338 2	Neuronal Pentraxin Receptor	NPTXR		GeneCard	
338 3	Neuropeptide VF Precursor	NPVF		GeneCard	
338 4	Neuropeptide Y	NPY	OMIM	GeneCard	DisGenet

338 5	Neuropeptide Y Receptor Y1	NPY1R		GeneCard	
338 6	Neuropeptide Y Receptor Y4	NPY4R		GeneCard	
338 7	Neuropeptide Y Receptor Y5	NPY5R		GeneCard	
338 8	NAD(P)H Quinone Dehydrogenase 1	NQO1		GeneCard	DisGenet
338 9	Nuclear Receptor Subfamily 0 Group B Member 1	NR0B1		GeneCard	DisGenet
339 0	Nuclear Receptor Subfamily 0 Group B Member 2	NR0B2			DisGenet
339 1	Nuclear Receptor Subfamily 1 Group D Member 1	NR1D1		GeneCard	DisGenet
339 2	Nuclear Receptor Subfamily 1 Group D Member 2	NR1D2		GeneCard	
339 3	Nuclear Receptor Subfamily 1 Group H Member 2	NR1H2		GeneCard	
339 4	Nuclear Receptor Subfamily 1 Group H Member 3	NR1H3	OMIM	GeneCard	DisGenet
339 5	Nuclear Receptor Subfamily 1 Group H Member 4	NR1H4		GeneCard	DisGenet
339 6	Nuclear Receptor Subfamily 1 Group I Member 2	NR1I2		GeneCard	DisGenet
339 7	Nuclear Receptor Subfamily 1 Group I Member 3	NR1I3		GeneCard	DisGenet
339 8	Nuclear Receptor Subfamily 2 Group F Member 2	NR2F2		GeneCard	DisGenet
339 9	Nuclear Receptor Subfamily 3 Group C Member 1	NR3C1		GeneCard	DisGenet
340 0	Nuclear Receptor Subfamily 3 Group C Member 2	NR3C2		GeneCard	DisGenet
340 1	Nuclear Receptor Subfamily 4 Group A Member 1	NR4A1		GeneCard	DisGenet
340 2	Nuclear Receptor Subfamily 4 Group A Member 2	NR4A2		GeneCard	
340 3	Nuclear Receptor Subfamily 4 Group A Member 3	NR4A3		GeneCard	DisGenet
340 4	Nuclear Receptor Subfamily 5 Group A Member 1	NR5A1		GeneCard	

340 5	Nuclear Receptor Subfamily 5 Group A Member 2	NR5A2		GeneCard	DisGenet
340 6	Nuclear Receptor Subfamily 6 Group A Member 1	NR6A1		GeneCard	DisGenet
340 7	Nebulin Related Anchoring Protein	NRAP		GeneCard	
340 8	Nuclear Receptor Binding Factor 2	NRBF2		GeneCard	
340 9	Nuclear Respiratory Factor 1	NRF1		GeneCard	DisGenet
341 0	Neuregulin 1	NRG1		GeneCard	DisGenet
341 1	Neuregulin 3	NRG3		GeneCard	
341 2	Neuregulin 4	NRG4		GeneCard	DisGenet
341 3	Nuclear Receptor Interacting Protein 1	NRIP1		GeneCard	DisGenet
341 4	Neuropilin 1	NRP1		GeneCard	DisGenet
341 5	Neuropilin 2	NRP2		GeneCard	
341 6	Nuclear Receptor Binding SET Domain Protein 1	NSD1		GeneCard	
341 7	N-Ethylmaleimide Sensitive Factor, Vesicle Fusing ATPase	NSF		GeneCard	
341 8	NOP2/Sun RNA Methyltransferase 5	NSUN5			DisGenet
341 9	5'-Nucleotidase Ecto	NT5E		GeneCard	DisGenet
342 0	Neurotrimin	NTM		GeneCard	
342 1	Netrin 1	NTN1		GeneCard	DisGenet
342 2	Netrin G1	NTNG1		GeneCard	
342 3	Neurotrophic Receptor Tyrosine Kinase 1	NTRK1		GeneCard	
342 4	Neurotrophic Receptor Tyrosine Kinase 2	NTRK2		GeneCard	

342 5	Negative Regulator of Ubiquitin Like Proteins 1	NUB1		GeneCard	
342 6	Nucleobindin 2	NUCB2		GeneCard	
342 7	NudC Domain Containing 1	NUDCD1		GeneCard	
342 8	Nudix Hydrolase 10	NUDT10		GeneCard	
342 9	Nudix Hydrolase 6	NUDT6	OMIM	GeneCard	
343 0	Nuclear GTPase, Germinal Center Associated	NUGGC		GeneCard	
343 1	Nuclear Mitotic Apparatus Protein 1	NUMA1		GeneCard	
343 2	NUMB Endocytic Adaptor Protein	NUMB		GeneCard	
343 3	Nucleoporin 205	NUP205		GeneCard	
343 4	Nucleoporin 62	NUP62			DisGenet
343 5	Nucleoporin 93	NUP93		GeneCard	
343 6	Nucleoporin 98 And 96 Precursor	NUP98		GeneCard	
343 7	NUS1 Dehydrodolichyl Diphosphate Synthase Subunit	NUS1		GeneCard	
343 8	Nuclear RNA Export Factor 5	NXF5		GeneCard	
343 9	2'-5'-Oligoadenylate Synthetase 1	OAS1		GeneCard	
344 0	2'-5'-Oligoadenylate Synthetase Like	OASL		GeneCard	
344 1	Ornithine Decarboxylase Antizyme 1	OAZ1		GeneCard	
344 2	Obscurin, Cytoskeletal Calmodulin and Titin-Interacting RhoGEF	OBSCN		GeneCard	
344 3	Occludin	OCLN			DisGenet
344 4	Ornithine Decarboxylase 1	ODC1		GeneCard	

344 5	Orofacial Cleft 1 Candidate 1	OFCC1		GeneCard	
344 6	O-GlcNAcase	OGA			DisGenet
344 7	Oxoglutarate Dehydrogenase	OGDH		GeneCard	
344 8	8-Oxoguanine DNA Glycosylase	OGG1		GeneCard	DisGenet
344 9	Osteoglycin	OGN		GeneCard	DisGenet
345 0	Opa Interacting Protein 5	OIP5		GeneCard	
345 1	OIP5 Antisense RNA 1	OIP5-AS1		GeneCard	
345 2	Olfactomedin Like 2B	OLFML2B		GeneCard	
345 3	Low density lipoprotein, oxidized, receptor 1	OLR1	OMIM	GeneCard	DisGenet
345 4	Osteomodulin	OMD		GeneCard	
345 5	Olfactory Marker Protein	OMP		GeneCard	
345 6	Opsin 3	OPN3		GeneCard	
345 7	Opioid Receptor Kappa 1	OPRK1			DisGenet
345 8	Opioid Receptor Mu 1	OPRM1		GeneCard	
345 9	Optineurin	OPTN		GeneCard	
346 0	Olfactory Receptor Family 10 Subfamily A Member 4	OR10A4			DisGenet
346 1	Olfactory Receptor Family 13 Subfamily G Member 1	OR13G1		GeneCard	
346 2	Olfactory Receptor Family 2 Subfamily B Member 7 Pseudogene	OR2B7P		GeneCard	
346 3	Olfactory Receptor Family 6 Subfamily A Member 2	OR6A2		GeneCard	
346 4	ORAI Calcium Release-Activated Calcium Modulator 1	ORAI1		GeneCard	DisGenet

346 5	Orosomucoid 1	ORM1		GeneCard	
346 6	ORMDL Sphingolipid Biosynthesis Regulator 3	ORMDL3		GeneCard	DisGenet
346 7	Oxysterol Binding Protein	OSBP		GeneCard	DisGenet
346 8	Oxysterol Binding Protein 2	OSBP2		GeneCard	
346 9	Oxysterol Binding Protein Like 10	OSBPL10		GeneCard	
347 0	Oxysterol Binding Protein Like 1A	OSBPL1A		GeneCard	DisGenet
347 1	Oxysterol Binding Protein Like 5	OSBPL5		GeneCard	
347 2	Oxysterol Binding Protein Like 6	OSBPL6		GeneCard	
347 3	Oxysterol Binding Protein Like 8	OSBPL8		GeneCard	DisGenet
347 4	Oxysterol Binding Protein Like 9	OSBPL9		GeneCard	
347 5	Oxysterol Binding Protein Like 9 Pseudogene 2	OSBPL9P2		GeneCard	
347 6	Osteoclast Associated Ig-Like Receptor	OSCAR		GeneCard	DisGenet
347 7	Oxidative Stress Induced Growth Inhibitor 1	OSCP1		GeneCard	DisGenet
347 8	Oxidative Stress Induced Growth Inhibitor 1	OSGIN1			DisGenet
347 9	Oncostatin M	OSM		GeneCard	DisGenet
348 0	Oncostatin M Receptor	OSMR		GeneCard	DisGenet
348 1	Otoferlin	OTOF		GeneCard	
348 2	OTU Deubiquitinase 7A	OTUD7A		GeneCard	
348 3	OTU Deubiquitinase 7B	OTUD7B		GeneCard	
348 4	OXA1L Mitochondrial Inner Membrane Protein	OXA1L		GeneCard	



348 5	Oxoglutarate Receptor 1	OXGR1		GeneCard	
348 6	Oxytocin/Neurophysin I Prepropeptide	OXT		GeneCard	
348 7	Oxytocin Receptor	OXTR		GeneCard	
348 8	Purinergic Receptor P2X 1	P2RX1		GeneCard	DisGenet
348 9	Purinergic Receptor P2X 2	P2RX2		GeneCard	DisGenet
349 0	Purinergic Receptor P2X 3	P2RX3			DisGenet
349 1	Purinergic Receptor P2X 4	P2RX4		GeneCard	DisGenet
349 2	Purinergic Receptor P2X 5	P2RX5			DisGenet
349 3	P2RX5-TAX1BP3 readthrough (NMD candidate)	P2RX5-TAX1BP3			DisGenet
349 4	Purinergic Receptor P2X 6	P2RX6			DisGenet
349 5	Purinergic Receptor P2X 7	P2RX7		GeneCard	DisGenet
349 6	Purinergic Receptor P2Y1	P2RY1		GeneCard	DisGenet
349 7	Purinergic Receptor P2Y12	P2RY12	OMIM	GeneCard	DisGenet
349 8	Purinergic Receptor P2Y13	P2RY13			DisGenet
349 9	Purinergic Receptor P2Y2	P2RY2		GeneCard	DisGenet
350 0	Pyrimidinergic Receptor P2Y4	P2RY4		GeneCard	
350 1	Prolyl 4-Hydroxylase Subunit Alpha 1	P4HA1		GeneCard	
350 2	Prolyl 4-Hydroxylase Subunit Alpha 2	P4HA2		GeneCard	
350 3	Prolyl 4-Hydroxylase Subunit Alpha 3	P4HA3	OMIM	GeneCard	
350 4	Prolyl 4-Hydroxylase Subunit Beta	P4HB		GeneCard	DisGenet

350 5	Phosphofurin Acidic Cluster Sorting Protein 2	PACS2			DisGenet
350 6	Peptidyl Arginine Deiminase 1	PADI1			DisGenet
350 7	Peptidyl Arginine Deiminase 4	PADI4		GeneCard	DisGenet
350 8	progesterone associated endometrial protein	PAEP			DisGenet
350 9	Platelet Activating Factor Acetylhydrolase 1b Regulatory Subunit 1	PAFAH1B1		GeneCard	
351 0	Platelet Activating Factor Acetylhydrolase 2	PAFAH2		GeneCard	
351 1	Phosphoprotein Membrane Anchor With Glycosphingolipid Microdomains 1	PAG1		GeneCard	
351 2	Phenylalanine Hydroxylase	PAH		GeneCard	DisGenet
351 3	P21 (RAC1) Activated Kinase 1	PAK1		GeneCard	DisGenet
351 4	Phosphatase Domain Containing Paladin 1	PALD1			DisGenet
351 5	Palladin, Cytoskeletal Associated Protein	PALLD		GeneCard	DisGenet
351 6	Pannexin 1	PANX1		GeneCard	DisGenet
351 7	Peripheral Arterial Occlusive Disease 1	PAOD1		GeneCard	
351 8	Polyamine Oxidase	PAOX			DisGenet
351 9	Pappalysin 1	PAPPA	OMIM	GeneCard	DisGenet
352 0	Progestin and AdipoQ Receptor Family Member 5	PAQR5		GeneCard	
352 1	Progestin and AdipoQ Receptor Family Member 7	PAQR7			DisGenet
352 2	Par-3 Family Cell Polarity Regulator	PARD3		GeneCard	
352 3	Parkinsonism Associated Deglycase	PARK7		GeneCard	
352 4	Poly(ADP-Ribose) Polymerase 1	PARP1		GeneCard	DisGenet

352 5	Poly(ADP-Ribose) Polymerase Family Member 14	PARP14		GeneCard	
352 6	Poly(ADP-Ribose) Polymerase 2	PARP2		GeneCard	
352 7	Poly(ADP-ribose) Polymerase Family Member 3	PARP3			DisGenet
352 8	Poly(ADP-Ribose) Polymerase Family Member 9	PARP9		GeneCard	
352 9	Prostate Androgen-Regulated Transcript 1	PART1			DisGenet
353 0	Parvin Alpha	PARVA		GeneCard	
353 1	Parvin Beta	PARVB		GeneCard	
353 2	PATJ Crumbs Cell Polarity Complex Component	PATJ		GeneCard	
353 3	POZ/BTB And AT Hook Containing Zinc Finger 1	PATZ1		GeneCard	DisGenet
353 4	Pro-Apoptotic WT1 Regulator	PAWR		GeneCard	
353 5	Paired Box 6	PAX6		GeneCard	
353 6	PDZ Binding Kinase	PBK		GeneCard	
353 7	Polybromo 1	PBRM1		GeneCard	
353 8	Pyruvate Carboxylase	PC			DisGenet
353 9	Poly(RC) Binding Protein 1	PCBP1		GeneCard	
354 0	Propionyl-CoA Carboxylase Subunit Alpha	PCCA		GeneCard	
354 1	Propionyl-CoA Carboxylase Subunit Beta	PCCB		GeneCard	
354 2	Protocadherin Related 15	PCDH15		GeneCard	
354 3	Protocadherin 8	PCDH8			DisGenet
354 4	Protocadherin 9	PCDH9		GeneCard	

354 5	Phosphorylated CTD Interacting Factor 1	PCIF1		GeneCard	
354 6	Phosphoenolpyruvate Carboxykinase 1	PCK1		GeneCard	
354 7	Phosphoenolpyruvate Carboxykinase 2, Mitochondrial	PCK2		GeneCard	
354 8	PCNA Clamp Associated Factor	PCLAF			DisGenet
354 9	Protein-L-Isoaspartate (D-Aspartate) O-Methyltransferase	PCMT1		GeneCard	
355 0	Proliferating Cell Nuclear Antigen	PCNA		GeneCard	DisGenet
355 1	Procollagen C-Endopeptidase Enhancer	PCOLCE			DisGenet
355 2	Procollagen C-Endopeptidase Enhancer 2	PCOLCE2		GeneCard	DisGenet
355 3	Polycystic Ovary Syndrome 1	PCOS1			DisGenet
355 4	Purkinje Cell Protein 4	PCP4			DisGenet
355 5	Proprotein Convertase Subtilisin/Kexin Type 1	PCSK1		GeneCard	DisGenet
355 6	Proprotein Convertase Subtilisin/Kexin Type 1 Inhibitor	PCSK1N		GeneCard	
355 7	Proprotein Convertase Subtilisin/Kexin Type 2	PCSK2		GeneCard	
355 8	Proprotein Convertase Subtilisin/Kexin Type 5	PCSK5	OMIM	GeneCard	DisGenet
355 9	Proprotein Convertase Subtilisin/Kexin Type 6	PCSK6		GeneCard	DisGenet
356 0	Proprotein Convertase Subtilisin/Kexin Type 7	PCSK7		GeneCard	
356 1	Proprotein Convertase Subtilisin/Kexin Type 9	PCSK9		GeneCard	DisGenet
356 2	Prenylcysteine Oxidase 1	PCYOX1		GeneCard	
356 3	Phosphate Cytidyltransferase 1A, Choline	PCYT1A		GeneCard	
356 4	Phosphate Cytidyltransferase 1, Choline, Beta	PCYT1B			DisGenet

356 5	Programmed Cell Death 1	PDCD1		GeneCard	
356 6	Programmed Cell Death 10	PDCD10		GeneCard	
356 7	Programmed Cell Death 4	PDCD4		GeneCard	DisGenet
356 8	Programmed Cell Death 5	PDCD5		GeneCard	DisGenet
356 9	Programmed Cell Death 6 Interacting Protein	PDCD6IP		GeneCard	DisGenet
357 0	Phosphodiesterase 1A	PDE1A	OMIM	GeneCard	DisGenet
357 1	Phosphodiesterase 1B	PDE1B		GeneCard	
357 2	Phosphodiesterase 1C	PDE1C		GeneCard	
357 3	Phosphodiesterase 3A	PDE3A		GeneCard	
357 4	Phosphodiesterase 3B	PDE3B		GeneCard	
357 5	Phosphodiesterase 4A	PDE4A		GeneCard	DisGenet
357 6	Phosphodiesterase 4B	PDE4B		GeneCard	
357 7	Phosphodiesterase 4D	PDE4D	OMIM	GeneCard	DisGenet
357 8	Phosphodiesterase 5A	PDE5A		GeneCard	DisGenet
357 9	Phosphodiesterase 6A	PDE6A		GeneCard	
358 0	Phosphodiesterase 6H	PDE6H		GeneCard	
358 1	Phosphodiesterase 7B	PDE7B		GeneCard	
358 2	Phosphodiesterase 9A	PDE9A		GeneCard	DisGenet
358 3	PDE9A Antisense RNA 1	PDE9A-AS1		GeneCard	
358 4	Platelet Derived Growth Factor Subunit A	PDGFA	OMIM	GeneCard	DisGenet

358 5	Platelet Derived Growth Factor Subunit B	PDGFB		GeneCard	DisGenet
358 6	Platelet Derived Growth Factor C	PDGFC		GeneCard	DisGenet
358 7	Platelet Derived Growth Factor D	PDGFD		GeneCard	DisGenet
358 8	Platelet Derived Growth Factor Receptor Alpha	PDGFRA		GeneCard	
358 9	Platelet Derived Growth Factor Receptor Beta	PDGFRB		GeneCard	DisGenet
359 0	Protein Disulfide Isomerase Family A Member 2	PDIA2		GeneCard	DisGenet
359 1	Protein Disulfide Isomerase Family A Member 3	PDIA3		GeneCard	
359 2	Protein Disulfide Isomerase Family A Member 2	PDIK1L			DisGenet
359 3	Pyruvate Dehydrogenase Kinase 1	PDK1			DisGenet
359 4	Pyruvate Dehydrogenase Kinase 4	PDK4		GeneCard	DisGenet
359 5	PDZ And LIM Domain 3	PDLIM3		GeneCard	
359 6	PDZ And LIM Domain 5	PDLIM5		GeneCard	DisGenet
359 7	PDZ And LIM Domain 7	PDLIM7		GeneCard	DisGenet
359 8	Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1	PDP1		GeneCard	
359 9	3-Phosphoinositide Dependent Protein Kinase 1	PDPK1		GeneCard	
360 0	Podoplanin	PDPN		GeneCard	
360 1	Decaprenyl Diphosphate Synthase Subunit 2	PDSS2		GeneCard	
360 2	Pancreatic And Duodenal Homeobox 1	PDX1		GeneCard	
360 3	Pyridoxal Phosphatase	PDXP		GeneCard	
360 4	Prodynorphin	PDYN		GeneCard	

360 5	PDZ Domain Containing 1	PDZK1		GeneCard	DisGenet
360 6	PDZK1 Interacting Protein 1	PDZK1IP1		GeneCard	
360 7	Platelet Endothelial Aggregation Receptor 1	PEAR1		GeneCard	
360 8	Phosphatidylethanolamine Binding Protein 1	PEBP1		GeneCard	DisGenet
360 9	Phosphatidylethanolamine Binding Protein 1 Pseudogene 2	PEBP1P2		GeneCard	
361 0	Platelet And Endothelial Cell Adhesion Molecule 1	PECAM1		GeneCard	DisGenet
361 1	Plaque Enriched LncRNA In Atherosclerotic And Inflammatory Bowel Macrophage Regulation	PELATON		GeneCard	
361 2	Phosphatidylethanolamine N-Methyltransferase	PEMT		GeneCard	DisGenet
361 3	Peptidase D	PEPD		GeneCard	
361 4	Peroxisomal Biogenesis Factor 11 Alpha	PEX11A		GeneCard	
361 5	Peroxisomal Biogenesis Factor 19	PEX19		GeneCard	
361 6	Peroxisomal Biogenesis Factor 3	PEX3		GeneCard	
361 7	Peroxisomal Biogenesis Factor 6	PEX6		GeneCard	
361 8	Platelet Factor 4	PF4		GeneCard	DisGenet
361 9	Platelet Factor 4 Variant 1	PF4V1		GeneCard	
362 0	Prefoldin Subunit 1	PFDN1		GeneCard	
362 1	Profilin 1	PFN1		GeneCard	
362 2	Profilin 3	PFN3		GeneCard	
362 3	Progastricsin	PGC		GeneCard	DisGenet
362 4	Placental Growth Factor	PGF		GeneCard	DisGenet

362 5	Phosphoglycerate Kinase 1	PGK1		GeneCard	
362 6	Peptidoglycan Recognition Protein 1	PGLYRP1		GeneCard	
362 7	Phosphoglucomutase 1	PGM1		GeneCard	
362 8	Pyroglutamyl-Peptidase I	PGPEP1			DisGenet
362 9	Progesterone Receptor	PGR		GeneCard	
363 0	PGR antisense RNA 1	PGR-AS1			DisGenet
363 1	Progesterone Receptor Membrane Component 1	PGRMC1		GeneCard	
363 2	Phosphatase And Actin Regulator 1	PHACTR1		GeneCard	DisGenet
363 3	Phosphate Regulating Endopeptidase Homolog X-Linked	PHEX		GeneCard	
363 4	PHD Finger Protein 14	PHF14			DisGenet
363 5	Phosphorylase Kinase Regulatory Subunit Alpha 2	PHKA2		GeneCard	
363 6	Pleckstrin Homology Like Domain Family A Member 1	PHLDA1	OMIM	GeneCard	
363 7	Phosphoethanolamine/Phosphocholine Phosphatase 1	PHOSPHO1		GeneCard	
363 8	Paired like Homeobox 2B	PHOX2B			DisGenet
363 9	PHD And Ring Finger Domains 1	PHRF1		GeneCard	
364 0	Peptidase Inhibitor 16	PI16		GeneCard	
364 1	Peptidase Inhibitor 3	PI3		GeneCard	
364 2	Protein Inhibitor Of Activated STAT 1	PIAS1		GeneCard	
364 3	Protein Inhibitor Of Activated STAT 4	PIAS4		GeneCard	
364 4	Phosphotyrosine Interaction Domain Containing 1	PID1		GeneCard	



364 5	Piezo Type Mechanosensitive Ion Channel Component 1	PIEZO1		GeneCard	DisGenet
364 6	Phosphatidylinositol Glycan Anchor Biosynthesis Class A	PIGA		GeneCard	
364 7	Phosphatidylinositol Glycan Anchor Biosynthesis Class M	PIGM		GeneCard	
364 8	Polymeric Immunoglobulin Receptor	PIGR		GeneCard	
364 9	Phosphatidylinositol-4-Phosphate 3-Kinase Catalytic Subunit Type 2 Alpha	PIK3C2A		GeneCard	
365 0	Phosphatidylinositol-4-Phosphate 3-Kinase Catalytic Subunit Type 2 Gamma	PIK3C2G		GeneCard	
365 1	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Alpha	PIK3CA		GeneCard	DisGenet
365 2	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Beta	PIK3CB		GeneCard	DisGenet
365 3	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Delta	PIK3CD			DisGenet
365 4	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma	PIK3CG		GeneCard	DisGenet
365 5	Phosphoinositide-3-Kinase Regulatory Subunit 1	PIK3R1		GeneCard	
365 6	Phosphoinositide-3-Kinase Regulatory Subunit 3	PIK3R3		GeneCard	DisGenet
365 7	Phosphoinositide-3-Kinase Regulatory Subunit 5	PIK3R5			DisGenet
365 8	Pim-1 Proto-Oncogene, Serine/Threonine Kinase	PIM1		GeneCard	
365 9	Peptidylprolyl Cis/Trans Isomerase, NIMA-Interacting 1	PIN1		GeneCard	DisGenet
366 0	PTEN Induced Kinase 1	PINK1		GeneCard	DisGenet
366 1	PIN2 (TERF1) Interacting Telomerase Inhibitor 1	PINX1		GeneCard	DisGenet
366 2	PINX1 Divergent Transcript	PINX1-DT		GeneCard	
366 3	Prolactin Induced Protein	PIP			DisGenet
366 4	Phosphatidylinositol-4-Phosphate 5-Kinase Like 1	PIP5KL1		GeneCard	

366 5	Piwi-Interacting RNA Cluster 66	PIRC66		GeneCard	
366 6	Phosphatidylinositol Transfer Protein Alpha	PITPNA		GeneCard	
366 7	Pitrilysin Metallopeptidase 1	PITRM1		GeneCard	
366 8	Paired Like Homeodomain 1	PITX1		GeneCard	
366 9	Paired Like Homeodomain 2	PITX2		GeneCard	DisGenet
367 0	Paired Like Homeodomain 3	PITX3			DisGenet
367 1	Piwi Like RNA-Mediated Gene Silencing 1	PIWIL1		GeneCard	
367 2	Piwi Like RNA-Mediated Gene Silencing 4	PIWIL4		GeneCard	
367 3	Praja Ring Finger Ubiquitin Ligase 1	PJA1		GeneCard	
367 4	Polycystin 1, Transient Receptor Potential Channel Interacting	PKD1		GeneCard	
367 5	Polycystin 2, Transient Receptor Potential Cation Channel	PKD2		GeneCard	
367 6	Polycystin 2 Like 1, Transient Receptor Potential Cation Channel	PKD2L1		GeneCard	
367 7	Pyruvate Kinase M1/2	PKM		GeneCard	DisGenet
367 8	Protein Kinase N1	PKN1		GeneCard	
367 9	Protein Kinase N2	PKN2		GeneCard	
368 0	Plakophilin 2	PKP2		GeneCard	
368 1	Phospholipase A2 Group X	PLA2G10		GeneCard	DisGenet
368 2	Phospholipase A2 Group X1A	PLA2G12A			DisGenet
368 3	Phospholipase A2 Group XV	PLA2G15		GeneCard	DisGenet
368 4	Phospholipase A2 Group IB	PLA2G1B		GeneCard	DisGenet

368 5	Phospholipase A2 Group IIA	PLA2G2A		GeneCard	DisGenet
368 6	Phospholipase A2 Group IID	PLA2G2D		GeneCard	DisGenet
368 7	Phospholipase A2 Group III	PLA2G3		GeneCard	DisGenet
368 8	Phospholipase A2 Group IVA	PLA2G4A	OMIM	GeneCard	DisGenet
368 9	Phospholipase A2 Group IVC	PLA2G4C			DisGenet
369 0	Phospholipase A2 Group V	PLA2G5		GeneCard	
369 1	Phospholipase A2 Group VI	PLA2G6		GeneCard	DisGenet
369 2	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase)	PLA2G7	OMIM	GeneCard	DisGenet
369 3	Phospholipase A2 Receptor 1	PLA2R1		GeneCard	
369 4	Phospholipase A and Acyltransferase 1	PLAAT1			DisGenet
369 5	PLAG1 Zinc Finger	PLAG1		GeneCard	DisGenet
369 6	Plasminogen Activator, Tissue Type	PLAT		GeneCard	DisGenet
369 7	Plasminogen Activator, Urokinase	PLAU	OMIM	GeneCard	DisGenet
369 8	Plasminogen Activator, Urokinase Receptor	PLAUR		GeneCard	DisGenet
369 9	Phospholipase B1	PLB1			DisGenet
370 0	Phospholipase C Beta 1	PLCB1		GeneCard	
370 1	Phospholipase C Beta 2	PLCB2		GeneCard	
370 2	Phospholipase C Beta 3	PLCB3	OMIM	GeneCard	
370 3	Phospholipase C Gamma 1	PLCG1		GeneCard	
370 4	Phospholipase C Gamma 2	PLCG2		GeneCard	

370 5	Phospholipase C Eta 1	PLCH1		GeneCard	
370 6	Phospholipase C Like 2	PLCL2		GeneCard	
370 7	Phospholipase D2	PLD2		GeneCard	
370 8	Phospholipase D Family Member 5	PLD5		GeneCard	
370 9	Plectin	PLEC		GeneCard	
371 0	Pleckstrin	PLEK		GeneCard	
371 1	Pleckstrin Homology Domain Containing A1	PLEKHA1		GeneCard	
371 2	Pleckstrin Homology And RUN Domain Containing M2	PLEKHM2		GeneCard	
371 3	Pleckstrin Homology Domain Containing O1	PLEKHO1		GeneCard	DisGenet
371 4	Plasminogen	PLG		GeneCard	DisGenet
371 5	Perilipin 1	PLIN1		GeneCard	DisGenet
371 6	Perilipin 2	PLIN2		GeneCard	DisGenet
371 7	Perilipin 3	PLIN3		GeneCard	
371 8	Perilipin 5	PLIN5			DisGenet
371 9	Phospholamban	PLN		GeneCard	
372 0	Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 1	PLOD1		GeneCard	
372 1	Proteolipid Protein 1	PLP1		GeneCard	
372 2	Phospholipid Phosphatase 3	PLPP3		GeneCard	DisGenet
372 3	Phospholipid Transfer Protein	PLTP		GeneCard	DisGenet
372 4	Plexin A2	PLXNA2			DisGenet

372 5	Plexin A4	PLXNA4		GeneCard	
372 6	Plexin B1	PLXNB1		GeneCard	
372 7	Plexin B2	PLXNB2		GeneCard	
372 8	Plexin D1	PLXND1	OMIM	GeneCard	
372 9	Prostate Transmembrane Protein, Androgen Induced 1	PMEPA1		GeneCard	
373 0	PML Nuclear Body Scaffold	PML		GeneCard	
373 1	Phosphomannomutase 2	PMM2		GeneCard	
373 2	Peptidase, Mitochondrial Processing Subunit Alpha	PMPCA		GeneCard	DisGenet
373 3	Peptidase, Mitochondrial Processing Subunit Beta	PMPCB		GeneCard	
373 4	PMS1 Homolog 2, Mismatch Repair System Component	PMS2		GeneCard	
373 5	Phosphomevalonate Kinase	PMVK		GeneCard	
373 6	PNKD metallo-beta-lactamase domain containing	PNKD			DisGenet
373 7	Pancreatic Lipase	PNLIP		GeneCard	
373 8	Pancreatic Lipase Related Protein 1	PNLIPRP1		GeneCard	
373 9	Partner Of NOB1 Homolog	PNO1			DisGenet
374 0	Purine Nucleoside Phosphorylase	PNP			DisGenet
374 1	Patatin Like Phospholipase Domain Containing 2	PNPLA2		GeneCard	DisGenet
374 2	Patatin Like Phospholipase Domain Containing 3	PNPLA3		GeneCard	DisGenet
374 3	Patatin Like Phospholipase Domain Containing 5	PNPLA5		GeneCard	
374 4	Podocan	PODN		GeneCard	DisGenet

374 5	Podocalyxin Like	PODXL		GeneCard	DisGenet
374 6	POF1B Actin Binding Protein	POF1B		GeneCard	
374 7	DNA Polymerase Beta	POLB		GeneCard	
374 8	DNA Polymerase Delta Interacting Protein 2	POLDIP2		GeneCard	DisGenet
374 9	DNA Polymerase Gamma, Catalytic Subunit	POLG		GeneCard	
375 0	DNA Polymerase Gamma 2, Accessory Subunit	POLG2		GeneCard	
375 1	RNA Polymerase I Subunit A	POLR1A		GeneCard	
375 2	RNA Polymerase I And III Subunit C	POLR1C		GeneCard	
375 3	RNA Polymerase I Subunit G	POLR1G		GeneCard	
375 4	RNA Polymerase I Subunit H	POLR1H		GeneCard	
375 5	RNA Polymerase II Subunit A	POLR2A		GeneCard	
375 6	RNA Polymerase II Subunit B	POLR2B		GeneCard	
375 7	RNA Polymerase II Subunit D	POLR2D		GeneCard	
375 8	RNA Polymerase II, I And III Subunit L	POLR2L		GeneCard	
375 9	RNA Polymerase III Subunit H	POLR3H		GeneCard	
376 0	POM121 Transmembrane Nucleoporin Like 3, Pseudogene	POM121L3P		GeneCard	
376 1	Proopiomelanocortin	POMC		GeneCard	DisGenet
376 2	Protein O-Linked Mannose N-Acetylglucosaminyltransferase 2 (Beta 1,4-)	POMGNT2		GeneCard	
376 3	Paraoxonase-1	PON1	OMIM	GeneCard	DisGenet
376 4	Paraoxonase 2	PON2		GeneCard	DisGenet

376 5	Paraoxonase-3	PON3	OMIM	GeneCard	DisGenet
376 6	Cytochrome P450 Oxidoreductase	POR		GeneCard	
376 7	Periostin	POSTN		GeneCard	DisGenet
376 8	Protection Of Telomeres 1	POT1			DisGenet
376 9	POTE Ankyrin Domain Family Member F	POTEF			DisGenet
377 0	POTE Ankyrin Domain Family Member K, Pseudogene	POTEKP		GeneCard	
377 1	POU Class 1 Homeobox 1	POU1F1		GeneCard	
377 2	POU Class 2 Homeobox 1	POU2F1		GeneCard	DisGenet
377 3	POU Class 2 Homeobox 3	POU2F3		GeneCard	DisGenet
377 4	POU Class 5 Homeobox 1	POU5F1		GeneCard	
377 5	Peroxisome Proliferator Activated Receptor Alpha	PPARA		GeneCard	DisGenet
377 6	Peroxisome proliferative activated receptor, delta	PPARD	OMIM	GeneCard	DisGenet
377 7	Peroxisome proliferator activated receptor, gamma	PPARG	OMIM	GeneCard	DisGenet
377 8	PPARG Coactivator 1 Alpha	PPARGC1A		GeneCard	DisGenet
377 9	PPARG Coactivator 1 Beta	PPARGC1B		GeneCard	
378 0	Pro-Platelet Basic Protein	PPBP		GeneCard	DisGenet
378 1	Phosphopantothenoylcysteine Synthetase	PPCS		GeneCard	
378 2	PTPRF Interacting Protein Alpha 2	PPFIA2		GeneCard	
378 3	Peptidylprolyl Isomerase A	PPIA		GeneCard	DisGenet
378 4	Peptidylprolyl Isomerase A Like 4A	PPIAL4A		GeneCard	

378 5	Peptidylprolyl Isomerase F	PPIF		GeneCard	
378 6	Peptidylprolyl Isomerase G	PPIG		GeneCard	DisGenet
378 7	Protein Phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> Dependent 1A	PPM1A		GeneCard	
378 8	Protein Phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> Dependent 1B	PPM1B		GeneCard	
378 9	Protein Phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> Dependent 1D	PPM1D			DisGenet
379 0	Protein Phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> Dependent 1K	PPM1K		GeneCard	
379 1	Protein Phosphatase 1 Catalytic Subunit Gamma	PPP1CC		GeneCard	
379 2	Protein Phosphatase 1 Regulatory Inhibitor Subunit 11	PPP1R11		GeneCard	
379 3	Protein Phosphatase 1 Regulatory Subunit 12A	PPP1R12A		GeneCard	
379 4	Protein Phosphatase 1 Regulatory Subunit 12B	PPP1R12B		GeneCard	
379 5	Protein Phosphatase 1 Regulatory Subunit 12C	PPP1R12C		GeneCard	
379 6	Protein Phosphatase 1 Regulatory Subunit 13 Like	PPP1R13L		GeneCard	
379 7	Protein Phosphatase 1 Regulatory Subunit 15A	PPP1R15A		GeneCard	
379 8	Protein Phosphatase 1 Regulatory Subunit 17	PPP1R17		GeneCard	
379 9	Protein Phosphatase 1 Regulatory Inhibitor Subunit 1A	PPP1R1A		GeneCard	DisGenet
380 0	Protein Phosphatase 1 Regulatory Subunit 3A	PPP1R3A		GeneCard	
380 1	Protein Phosphatase 1 Regulatory Subunit 3B	PPP1R3B		GeneCard	DisGenet
380 2	Protein Phosphatase 2 Catalytic Subunit Beta	PPP2CB		GeneCard	
380 3	Protein Phosphatase 2 Regulatory Subunit B, Alpha	PPP2R2A			DisGenet
380 4	Protein Phosphatase 3 Regulatory Subunit B, Alpha	PPP3R1		GeneCard	



380 5	Palmitoyl-Protein Thioesterase 2	PPT2		GeneCard	
380 6	Proline Rich Acidic Protein 1	PRAP1			DisGenet
380 7	PR/SET Domain 1	PRDM1		GeneCard	DisGenet
380 8	PR/SET Domain 16	PRDM16		GeneCard	
380 9	PR/SET Domain 9	PRDM9		GeneCard	
381 0	Peroxiredoxin 1	PRDX1	OMIM	GeneCard	DisGenet
381 1	Peroxiredoxin 4	PRDX4		GeneCard	DisGenet
381 2	Peroxiredoxin 5	PRDX5		GeneCard	
381 3	Peroxiredoxin 6	PRDX6		GeneCard	
381 4	PRELI Domain Containing 1	PRELID1		GeneCard	
381 5	Prolyl Endopeptidase	PREP			DisGenet
381 6	Prolyl Endopeptidase Like	PREPL		GeneCard	
381 7	Perforin 1	PRF1		GeneCard	
381 8	Proteoglycan 4	PRG4		GeneCard	DisGenet
381 9	Prickle Planar Cell Polarity Protein 1	PRICKLE1		GeneCard	
382 0	Prickle Planar Cell Polarity Protein 2	PRICKLE2		GeneCard	
382 1	Protein Kinase AMP-Activated Catalytic Subunit Alpha 1	PRKAA1		GeneCard	DisGenet
382 2	Protein Kinase AMP-Activated Catalytic Subunit Alpha 2	PRKAA2		GeneCard	DisGenet
382 3	Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 1	PRKAB1		GeneCard	DisGenet
382 4	Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 2	PRKAB2		GeneCard	

382 5	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 1	PRKAG1		GeneCard	
382 6	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 2	PRKAG2		GeneCard	
382 7	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 3	PRKAG3		GeneCard	
382 8	Protein Kinase CAMP-Dependent Type I Regulatory Subunit Alpha	PRKAR1A		GeneCard	DisGenet
382 9	Protein Kinase C Alpha	PRKCA		GeneCard	DisGenet
383 0	Protein Kinase C Beta	PRKCB		GeneCard	DisGenet
383 1	Protein Kinase C Delta	PRKCD		GeneCard	
383 2	Protein Kinase C Epsilon	PRKCE		GeneCard	
383 3	Protein Kinase C Gamma	PRKCG		GeneCard	
383 4	Protein Kinase C Eta	PRKCH		GeneCard	
383 5	Protein Kinase C Iota	PRKCI		GeneCard	
383 6	Protein Kinase C Zeta	PRKCZ		GeneCard	
383 7	Protein Kinase D1	PRKD1		GeneCard	
383 8	Protein Kinase D2	PRKD2		GeneCard	
383 9	Protein Kinase, DNA-Activated, Catalytic Subunit	PRKDC		GeneCard	
384 0	Protein Kinase CGMP-Dependent 1	PRKG1		GeneCard	
384 1	Protein Kinase CGMP-Dependent 2	PRKG2		GeneCard	
384 2	Parkin RBR E3 Ubiquitin Protein Ligase	PRKN		GeneCard	
384 3	Prolactin	PRL		GeneCard	DisGenet
384 4	Prolactin Receptor	PRLR		GeneCard	

384 5	Protein Arginine Methyltransferase 1	PRMT1		GeneCard	
384 6	Protein Arginine Methyltransferase 3	PRMT3		GeneCard	DisGenet
384 7	Protein Arginine Methyltransferase 5 Pseudogene 1	PRMT5P1		GeneCard	
384 8	Protein Arginine Methyltransferase 7	PRMT7		GeneCard	
384 9	Prion Protein	PRNP		GeneCard	DisGenet
385 0	Protein C, Inactivator Of Coagulation Factors Va And VIIIa	PROC		GeneCard	DisGenet
385 1	Protein C Receptor	PROCR		GeneCard	DisGenet
385 2	Proline Dehydrogenase 1	PRODH		GeneCard	
385 3	Prominin 1	PROM1		GeneCard	
385 4	Protein S	PROS1		GeneCard	DisGenet
385 5	Prospero Homeobox 1	PROX1			DisGenet
385 6	Protein Z, Vitamin K Dependent Plasma Glycoprotein	PROZ		GeneCard	
385 7	Pre-mRNA Processing Factor 8	PRPF8		GeneCard	
385 8	Phosphoribosyl Pyrophosphate Synthetase 1	PRPS1		GeneCard	
385 9	Proline Rich 7, Synaptic	PRR7		GeneCard	
386 0	Paired Related Homeobox 1	PRRX1		GeneCard	DisGenet
386 1	Serine Protease 1	PRSS1		GeneCard	
386 2	Serine Protease 2	PRSS2		GeneCard	
386 3	Serine Protease 33	PRSS33		GeneCard	
386 4	Serine Protease 55	PRSS55			DisGenet

386 5	Phosphoribosyl Transferase Domain Containing 1	PRTFDC1		GeneCard	
386 6	Proteinase 3	PRTN3		GeneCard	DisGenet
386 7	Prosaposin	PSAP		GeneCard	
386 8	Phosphoserine Aminotransferase 1	PSAT1			DisGenet
386 9	Presenilin 1	PSEN1		GeneCard	
387 0	Presenilin 2	PSEN2		GeneCard	
387 1	Pregnancy Specific Beta-1-Glycoprotein 1	PSG1		GeneCard	
387 2	Pregnancy Specific Beta-1-Glycoprotein 2	PSG2		GeneCard	
387 3	PC4 And SFRS1 Interacting Protein 1 Pseudogene 1	PSIP1P1		GeneCard	
387 4	Proteasome 20S Subunit Alpha 6	PSMA6		GeneCard	DisGenet
387 5	Proteasome 20S Subunit Beta 8	PSMB8		GeneCard	DisGenet
387 6	Proteasome 20S Subunit Beta 9	PSMB9		GeneCard	
387 7	PSMC3 Interacting Protein	PSMC3IP		GeneCard	
387 8	Proteasome 26S Subunit, ATPase 5	PSMC5		GeneCard	DisGenet
387 9	Proteasome 26S Subunit, ATPase 6	PSMC6		GeneCard	
388 0	Proteasome 26S Subunit, Non-ATPase 6	PSMD6		GeneCard	
388 1	Proteasome 26S Subunit, Non-ATPase 7	PSMD7			DisGenet
388 2	Proteasome 26S Subunit, Non-ATPase 9	PSMD9		GeneCard	DisGenet
388 3	Proteasome Activator Subunit 3	PSME3		GeneCard	DisGenet
388 4	Proline And Serine Rich Coiled-Coil 1	PSRC1		GeneCard	DisGenet

388 5	Potocki-Shaffer Syndrome	PSS			DisGenet
388 6	Proline-Serine-Threonine Phosphatase Interacting Protein 2	PSTPIP2			DisGenet
388 7	Platelet Activating Factor Receptor	PTAFR		GeneCard	DisGenet
388 8	Polypyrimidine Tract Binding Protein 1	PTBP1			DisGenet
388 9	Patched 1	PTCH1		GeneCard	
389 0	Papillary Thyroid Carcinoma Susceptibility Candidate 3	PTCSC3		GeneCard	
389 1	Phosphatase And Tensin Homolog	PTEN		GeneCard	DisGenet
389 2	Prostaglandin D2 Receptor	PTGDR		GeneCard	
389 3	Prostaglandin D2 Synthase	PTGDS	OMIM	GeneCard	DisGenet
389 4	Prostaglandin E Receptor 1	PTGER1		GeneCard	
389 5	Prostaglandin E Receptor 2	PTGER2		GeneCard	
389 6	Prostaglandin E Receptor 3	PTGER3		GeneCard	DisGenet
389 7	Prostaglandin E Receptor 4	PTGER4		GeneCard	DisGenet
389 8	Prostaglandin E Synthase	PTGES		GeneCard	DisGenet
389 9	Prostaglandin E Synthase 2	PTGES2		GeneCard	
390 0	Prostaglandin E Synthase 3	PTGES3		GeneCard	
390 1	Prostaglandin I2 Receptor	PTGIR		GeneCard	DisGenet
390 2	Prostaglandin I2 Synthase	PTGIS		GeneCard	DisGenet
390 3	Prostaglandin Reductase 1	PTGR1		GeneCard	
390 4	Prostaglandin-Endoperoxide Synthase 1	PTGS1		GeneCard	DisGenet

390 5	Prostaglandin-Endoperoxide Synthase 2	PTGS2		GeneCard	DisGenet
390 6	Parathyroid Hormone	PTH		GeneCard	DisGenet
390 7	Parathyroid Hormone 1 Receptor	PTH1R		GeneCard	
390 8	Parathyroid Hormone 2 Receptor	PTH2R		GeneCard	
390 9	Parathyroid Hormone Like Hormone	PTHLH		GeneCard	DisGenet
391 0	Protein Tyrosine Kinase 2	PTK2		GeneCard	
391 1	Protein Tyrosine Kinase 2 Beta	PTK2B		GeneCard	DisGenet
391 2	Pleiotrophin	PTN		GeneCard	DisGenet
391 3	PTOV1 Extended AT-Hook Containing Adaptor Protein	PTOV1		GeneCard	DisGenet
391 4	Protein Phosphatase 2 Phosphatase Activator	PTPA		GeneCard	DisGenet
391 5	Protein Tyrosine Phosphatase Non-Receptor Type 1	PTPN1		GeneCard	DisGenet
391 6	Protein Tyrosine Phosphatase Non-Receptor Type 11	PTPN11		GeneCard	DisGenet
391 7	Protein Tyrosine Phosphatase Non-Receptor Type 2	PTPN2		GeneCard	DisGenet
391 8	Protein Tyrosine Phosphatase Non-Receptor Type 22	PTPN22		GeneCard	DisGenet
391 9	Protein Tyrosine Phosphatase Non-Receptor Type 3	PTPN3		GeneCard	
392 0	Protein Tyrosine Phosphatase Non-Receptor Type 6	PTPN6		GeneCard	DisGenet
392 1	Protein Tyrosine Phosphatase Receptor Type A	PTPRA		GeneCard	
392 2	Protein Tyrosine Phosphatase Receptor Type C	PTPRC		GeneCard	
392 3	Protein Tyrosine Phosphatase Receptor Type D	PTPRD		GeneCard	
392 4	Protein Tyrosine Phosphatase Receptor Type E	PTPRE		GeneCard	

392 5	Protein Tyrosine Phosphatase Receptor Type F	PTPRF		GeneCard	DisGenet
392 6	Protein Tyrosine Phosphatase Receptor Type N2	PTPRN2		GeneCard	
392 7	6-Pyruvoyltetrahydropterin Synthase	PTS		GeneCard	
392 8	Pituitary Tumor-Transforming 2	PTTG2		GeneCard	
392 9	Pentraxin 3	PTX3		GeneCard	DisGenet
393 0	P53 Upregulated Regulator Of P53 Levels	PURPL		GeneCard	
393 1	PVR Cell Adhesion Molecule	PVR			DisGenet
393 2	Pvt1 Oncogene	PVT1		GeneCard	
393 3	Prader Willi/Angelman region RNA 1	PWAR1			DisGenet
393 4	Peroxidasin	PXDN		GeneCard	
393 5	PX Domain Containing Serine/Threonine Kinase Like	PXK		GeneCard	
393 6	Paxillin	PXN		GeneCard	
393 7	PYD And CARD Domain Containing	PYCARD		GeneCard	DisGenet
393 8	Glycogen Phosphorylase B	PYGB		GeneCard	
393 9	Glycogen Phosphorylase, Muscle Associated	PYGM		GeneCard	
394 0	Peptide YY	PYY		GeneCard	
394 1	QKI, KH Domain Containing RNA Binding	QKI		GeneCard	
394 2	GlutaminyI-TRNA Amidotransferase Subunit QRSL1	QRSL1		GeneCard	
394 3	Quiescin Sulfhydryl Oxidase 1	QSOX1		GeneCard	
394 4	Queuine TRNA-Ribosyltransferase Catalytic Subunit 1	QTRT1		GeneCard	

394 5	RAB20, Member RAS Oncogene Family	RAB20		GeneCard	
394 6	RAB22A, Member RAS Oncogene Family	RAB22A		GeneCard	
394 7	RAB5A, Member RAS Oncogene Family	RAB5A		GeneCard	
394 8	RAB7A, Member RAS Oncogene Family	RAB7A		GeneCard	
394 9	RAB9 Effector Protein with Kelch Motifs	RABEPK			DisGenet
395 0	Rac Family Small GTPase 1	RAC1		GeneCard	DisGenet
395 1	Rac Family Small GTPase 2	RAC2		GeneCard	DisGenet
395 2	Receptor For Activated C Kinase 1	RACK1		GeneCard	
395 3	RAD21 Cohesin Complex Component	RAD21		GeneCard	
395 4	RAD51 Recombinase	RAD51		GeneCard	
395 5	RAD51 Associated Protein 1	RAD51AP1		GeneCard	
395 6	RAD51 Paralog C	RAD51C		GeneCard	
395 7	RAD51 Paralog D	RAD51D		GeneCard	
395 8	RAD51L3-RFFL Readthrough	RAD51L3-RFFL		GeneCard	
395 9	RAD52 Homolog, DNA Repair Protein	RAD52		GeneCard	
396 0	RAD54 Like	RAD54L		GeneCard	
396 1	RPA1 Related Single Stranded DNA Binding Protein, X-Linked	RADX		GeneCard	
396 2	Retinoic Acid Early Transcript 1E	RAET1E		GeneCard	
396 3	Raf-1 Proto-Oncogene, Serine/Threonine Kinase	RAF1		GeneCard	
396 4	Recombination Activating 1	RAG1			DisGenet



396 5	Recombination Activating 2	RAG2			DisGenet
396 6	RAS Like Proto-Oncogene A	RALA		GeneCard	
396 7	RalA Binding Protein 1	RALBP1		GeneCard	
396 8	RALY RNA Binding Protein Like	RALYL		GeneCard	
396 9	Receptor Activity Modifying Protein 3	RAMP3		GeneCard	
397 0	RAN, Member RAS Oncogene Family	RAN		GeneCard	
397 1	RAP1A, Member Of RAS Oncogene Family	RAP1A		GeneCard	
397 2	RAP1B, Member Of RAS Oncogene Family	RAP1B		GeneCard	
397 3	RAP2A, Member Of RAS Oncogene Family	RAP2A		GeneCard	
397 4	Rap Guanine Nucleotide Exchange Factor 3	RAPGEF3		GeneCard	
397 5	Rap Guanine Nucleotide Exchange Factor 5	RAPGEF5		GeneCard	
397 6	Retinoic Acid Receptor Alpha	RARA		GeneCard	DisGenet
397 7	Retinoic Acid Receptor Beta	RARB		GeneCard	DisGenet
397 8	Retinoic Acid Receptor Gamma	RARG		GeneCard	
397 9	Retinoic Acid Receptor Responder 1	RARRES1		GeneCard	
398 0	Retinoic Acid Receptor Responder 2	RARRES2		GeneCard	DisGenet
398 1	Arginyl-TRNA Synthetase 1	RARS1		GeneCard	
398 2	Arginyl-TRNA Synthetase 2, Mitochondrial	RARS2		GeneCard	
398 3	RAS P21 Protein Activator 1	RASA1		GeneCard	DisGenet
398 4	RAS Protein Specific Guanine Nucleotide Releasing Factor 1	RASGRF1			DisGenet

398 5	RAS Guanyl Releasing Protein 1	RASGRP1		GeneCard	
398 6	RAS Guanyl Releasing Protein 3	RASGRP3		GeneCard	
398 7	RB Transcriptional Corepressor 1	RB1		GeneCard	
398 8	RB Binding Protein 4, Chromatin Remodeling Factor	RBBP4		GeneCard	
398 9	RB Binding Protein 7, Chromatin Remodeling Factor	RBBP7		GeneCard	
399 0	RANBP2-Type And C3HC4-Type Zinc Finger Containing 1	RBCK1		GeneCard	
399 1	RNA Binding Fox-1 Homolog 1	RBFOX1		GeneCard	
399 2	RB Transcriptional Corepressor Like 1	RBL1		GeneCard	
399 3	RB Transcriptional Corepressor Like 2	RBL2		GeneCard	
399 4	RNA Binding Motif Protein 20	RBM20		GeneCard	
399 5	RNA Binding Motif Single Stranded Interacting Protein 3	RBMS3			DisGenet
399 6	RNA Binding Motif Protein Y-Linked Family 1 Member A1	RBMY1A1		GeneCard	
399 7	Retinol Binding Protein 4	RBP4		GeneCard	DisGenet
399 8	Ring-Box 1	RBX1		GeneCard	
399 9	Regulator Of Calcineurin 1	RCAN1		GeneCard	DisGenet
400 0	RCC1 And BTB Domain Containing Protein 1	RCBTB1		GeneCard	DisGenet
400 1	RAS Converting CAAX Endopeptidase 1	RCE1			DisGenet
400 2	Reticulocalbin 2	RCN2		GeneCard	DisGenet
400 3	Reticulocalbin 3	RCN3		GeneCard	
400 4	REC8 Meiotic Recombination Protein	REC8		GeneCard	

400 5	Reversion Inducing Cysteine Rich Protein With Kazal Motifs	RECK		GeneCard	
400 6	RecQ Like Helicase	RECQL		GeneCard	
400 7	RecQ Like Helicase 4	RECQL4		GeneCard	
400 8	RecQ Like Helicase 5	RECQL5		GeneCard	
400 9	Regenerating Family Member 1 Alpha	REG1A			DisGenet
401 0	RELA Proto-Oncogene, NF-KB Subunit	RELA		GeneCard	DisGenet
401 1	RELB Proto-Oncogene, NF-KB Subunit	RELB		GeneCard	
401 2	Reelin	RELN		GeneCard	DisGenet
401 3	Renin	REN		GeneCard	DisGenet
401 4	Renin Binding Protein	RENBP			DisGenet
401 5	RE1 Silencing Transcription Factor	REST		GeneCard	
401 6	Ret Proto-Oncogene	RET		GeneCard	
401 7	Resistin	RETN		GeneCard	DisGenet
401 8	Resistin Like Beta	RETNLB		GeneCard	DisGenet
401 9	Reticulophagy Regulator 1	RETREG1		GeneCard	
402 0	Replication Factor C Subunit 1	RFC1			DisGenet
402 1	Replication Factor C Subunit 2	RFC2			DisGenet
402 2	Replication Factor C Subunit 4	RFC4		GeneCard	
402 3	Ret Finger Protein Like 1	RFPL1		GeneCard	
402 4	Ret Finger Protein Like 4A	RFPL4A		GeneCard	

402 5	RFT1 Homolog	RFT1		GeneCard	
402 6	Regulatory Factor X1	RFX1			DisGenet
402 7	Regulatory Factor X5	RFX5		GeneCard	DisGenet
402 8	Regulator Of Cell Cycle	RGCC		GeneCard	DisGenet
402 9	Regulator Of G Protein Signaling 1	RGS1		GeneCard	DisGenet
403 0	Regulator Of G Protein Signaling 14	RGS14		GeneCard	
403 1	Regulator Of G Protein Signaling 16	RGS16		GeneCard	
403 2	Regulator Of G Protein Signaling 2	RGS2		GeneCard	DisGenet
403 3	Regulator Of G Protein Signaling 3	RGS3		GeneCard	DisGenet
403 4	Regulator Of G Protein Signaling 4	RGS4		GeneCard	
403 5	Regulator Of G Protein Signaling 5	RGS5		GeneCard	DisGenet
403 6	Regulator Of G Protein Signaling 6	RGS6		GeneCard	
403 7	Regulator Of G Protein Signaling 7	RGS7			DisGenet
403 8	Regulator Of G Protein Signaling 9	RGS9		GeneCard	
403 9	Regulator Of G Protein Signaling 9 Binding Protein	RGS9BP		GeneCard	
404 0	Rh Associated Glycoprotein	RHAG		GeneCard	
404 1	Rhomoid 5 Homolog 2	RHBDF2		GeneCard	DisGenet
404 2	RHEB Pseudogene 1	RHEBP1			DisGenet
404 3	Rhodopsin	RHO		GeneCard	
404 4	Ras Homolog Family Member A	RHOA		GeneCard	DisGenet

404 5	Ras Homolog Family Member B	RHOB		GeneCard	
404 6	Rho Related BTB Domain Containing 3	RHOBTB3		GeneCard	
404 7	Ras Homolog Family Member D	RHOD		GeneCard	
404 8	Ras Homolog Family Member G	RHOG		GeneCard	
404 9	Ras Homolog Family Member H	RHOH		GeneCard	
405 0	RPTOR Independent Companion Of MTOR Complex 2	RICTOR		GeneCard	
405 1	Receptor Interacting Serine/Threonine Kinase 1	RIPK1		GeneCard	
405 2	Receptor Interacting Serine/Threonine Kinase 2	RIPK2		GeneCard	DisGenet
405 3	Receptor Interacting Serine/Threonine Kinase 3	RIPK3		GeneCard	DisGenet
405 4	Ras Like Without CAAX 2	RIT2		GeneCard	
405 5	Retinaldehyde Binding Protein 1	RLBP1		GeneCard	
405 6	Relaxin 2	RLN2		GeneCard	DisGenet
405 7	Regulator Of MON1-CCZ1	RMC1			DisGenet
405 8	RNA Component Of Mitochondrial RNA Processing Endoribonuclease	RMRP		GeneCard	
405 9	Rhabdomyosarcoma 2 Associated Transcript	RMST		GeneCard	
406 0	RNA, 7SL, Cytoplasmic 263, Pseudogene	RN7SL263P			DisGenet
406 1	Ribonuclease A Family Member 1, Pancreatic	RNASE1			DisGenet
406 2	Ribonuclease A Family Member 3	RNASE3		GeneCard	DisGenet
406 3	Ring Finger Protein 111	RNF111		GeneCard	
406 4	Ring Finger Protein 113B	RNF113B		GeneCard	

406 5	Ring Finger Protein 157	RNF157		GeneCard	
406 6	Ring Finger Protein 168	RNF168		GeneCard	
406 7	Ring Finger Protein 19A, RBR E3 ubiquitin protein ligase	RNF19A			DisGenet
406 8	Ring Finger Protein 213	RNF213		GeneCard	DisGenet
406 9	Ring Finger Protein 39	RNF39		GeneCard	
407 0	Renalase, FAD Dependent Amine Oxidase	RNLS		GeneCard	
407 1	RNA Binding Region (RNP1, RRM) Containing 3	RNPC3		GeneCard	
407 2	s-rRNA	RNR1			DisGenet
407 3	l-rRNA	RNR2			DisGenet
407 4	RNA, U1 Small Nuclear 1	RNU1-1			DisGenet
407 5	RNA, U6 Small Nuclear 392, pseudogene	RNU6-392P			DisGenet
407 6	RNA, U7 Small Nuclear 51 Pseudogene	RNU7-51P		GeneCard	
407 7	Ro60, Y RNA Binding Protein	RO60		GeneCard	
407 8	Roundabout Guidance Receptor 2	ROBO2		GeneCard	
407 9	Roundabout Guidance Receptor 3	ROBO3			DisGenet
408 0	Roundabout Guidance Receptor 4	ROBO4		GeneCard	
408 1	Rho Associated Coiled-Coil Containing Protein Kinase 1	ROCK1		GeneCard	DisGenet
408 2	Rho Associated Coiled-Coil Containing Protein Kinase 2	ROCK2		GeneCard	DisGenet
408 3	Receptor Tyrosine Kinase Like Orphan Receptor 2	ROR2		GeneCard	DisGenet
408 4	RAR Related Orphan Receptor A	RORA		GeneCard	DisGenet

408 5	ROS Proto-Oncogene 1, Receptor Tyrosine Kinase	ROS1		GeneCard	DisGenet
408 6	RP1 Like 1	RP1L1		GeneCard	
408 7	Replication Protein A1	RPA1		GeneCard	
408 8	Retinitis Pigmentosa GTPase Regulator	RPGR		GeneCard	
408 9	RPGRIP1 Like	RPGRIP1L		GeneCard	
409 0	Ribosomal Protein L10a Pseudogene 3	RPL10AP3		GeneCard	
409 1	Ribosomal Protein L15 Pseudogene 15	RPL15P15		GeneCard	
409 2	Ribosomal Protein L18a Pseudogene 13	RPL18AP13		GeneCard	
409 3	Ribosomal Protein L21 Pseudogene 103	RPL21P103		GeneCard	
409 4	Ribosomal Protein L21 Pseudogene 108	RPL21P108		GeneCard	
409 5	Ribosomal Protein L21 Pseudogene 41	RPL21P41		GeneCard	
409 6	Ribosomal Protein L21 Pseudogene 42	RPL21P42		GeneCard	
409 7	Ribosomal Protein L21 Pseudogene 99	RPL21P99		GeneCard	
409 8	Ribosomal Protein L23 Pseudogene 4	RPL23P4		GeneCard	
409 9	Ribosomal Protein L28 Pseudogene 3	RPL28P3		GeneCard	
410 0	Ribosomal Protein L29 Pseudogene 27	RPL29P27		GeneCard	
410 1	Ribosomal Protein L29 Pseudogene 29	RPL29P29		GeneCard	
410 2	Ribosomal Protein L31 Pseudogene 23	RPL31P23		GeneCard	
410 3	Ribosomal Protein L31 Pseudogene 26	RPL31P26		GeneCard	
410 4	Ribosomal Protein L32 Pseudogene 12	RPL32P12		GeneCard	

410 5	Ribosomal Protein L34 Pseudogene 26	RPL34P26		GeneCard	
410 6	Ribosomal Protein L35a Pseudogene 15	RPL35AP15		GeneCard	
410 7	Ribosomal Protein L35a Pseudogene 22	RPL35AP22		GeneCard	
410 8	Ribosomal Protein L35 Pseudogene 4	RPL35P4		GeneCard	
410 9	Ribosomal Protein L36a Pseudogene 23	RPL36AP23		GeneCard	
411 0	Ribosomal Protein L3 Like	RPL3L		GeneCard	
411 1	Ribosomal Protein L5 Pseudogene 19	RPL5P19		GeneCard	
411 2	Ribosomal Protein L5 Pseudogene 25	RPL5P25		GeneCard	
411 3	Ribosomal Protein L7	RPL7		GeneCard	
411 4	Ribosomal Protein L7a Pseudogene 57	RPL7AP57		GeneCard	
411 5	Ribosomal Protein L7a Pseudogene 58	RPL7AP58		GeneCard	
411 6	Ribosomal Protein L9 Pseudogene 21	RPL9P21		GeneCard	
411 7	Ribosomal Protein Lateral Stalk Subunit P0	RPLP0		GeneCard	
411 8	Ribophorin I	RPN1		GeneCard	
411 9	Ribosomal Protein S15 Pseudogene 6	RPS15P6		GeneCard	
412 0	Ribosomal Protein S19	RPS19			DisGenet
412 1	Ribosomal Protein S25	RPS25		GeneCard	
412 2	Ribosomal Protein S26 Pseudogene 57	RPS26P57		GeneCard	
412 3	Ribosomal Protein S27a	RPS27A		GeneCard	
412 4	RPS27A Pseudogene 2	RPS27AP2		GeneCard	



412 5	Ribosomal Protein S27 Pseudogene 1	RPS27P1		GeneCard	
412 6	Ribosomal Protein S27 Pseudogene 21	RPS27P21		GeneCard	
412 7	Ribosomal Protein S28 Pseudogene 1	RPS28P1		GeneCard	
412 8	RPS3A Pseudogene 9	RPS3AP9		GeneCard	
412 9	Ribosomal Protein S3 Pseudogene 6	RPS3P6		GeneCard	
413 0	Ribosomal Protein S4X Pseudogene 2	RPS4XP2		GeneCard	
413 1	Ribosomal Protein S5	RPS5		GeneCard	
413 2	Ribosomal Protein S6 Kinase A1	RPS6KA1		GeneCard	DisGenet
413 3	Ribosomal Protein S6 Kinase A5	RPS6KA5		GeneCard	
413 4	Ribosomal Protein S6 Kinase B1	RPS6KB1		GeneCard	
413 5	Ribosomal Protein S6 Pseudogene 20	RPS6P20		GeneCard	
413 6	Ribosomal Protein S7 Pseudogene 9	RPS7P9		GeneCard	
413 7	Ribosomal Protein SA	RPSA			DisGenet
413 8	Regulatory Associated Protein Of MTOR Complex 1	RPTOR		GeneCard	
413 9	RNA Pseudouridine Synthase D4	RPUSD4		GeneCard	
414 0	Ras Related GTP Binding C	RRAGC		GeneCard	
414 1	RAS Related	RRAS		GeneCard	
414 2	Ras Responsive Element Binding Protein 1	RREB1		GeneCard	
414 3	Ribonucleotide Reductase Catalytic Subunit M1	RRM1		GeneCard	
414 4	Ribonucleotide Reductase Regulatory Subunit M2	RRM2		GeneCard	

414 5	Radical S-Adenosyl Methionine Domain Containing 2	RSAD2		GeneCard	DisGenet
414 6	Remodeling And Spacing Factor 1	RSF1		GeneCard	
414 7	R-Spondin 2	RSPO2		GeneCard	
414 8	Rhotekin	RTKN		GeneCard	
414 9	Reticulon 3	RTN3		GeneCard	
415 0	Reticulon 4	RTN4		GeneCard	
415 1	RUNX Family Transcription Factor 2	RUNX2	OMIM	GeneCard	DisGenet
415 2	RUNX Family Transcription Factor 3	RUNX3		GeneCard	
415 3	RuvB Like AAA ATPase 2	RUVBL2		GeneCard	
415 4	Retinoid X Receptor Alpha	RXRA	OMIM	GeneCard	DisGenet
415 5	Retinoid X Receptor Beta	RXRB		GeneCard	
415 6	Retinoid X Receptor Gamma	RXRG		GeneCard	
415 7	Ryanodine Receptor 1	RYR1		GeneCard	
415 8	Ryanodine Receptor 2	RYR2		GeneCard	
415 9	Ryanodine Receptor 3	RYR3		GeneCard	DisGenet
416 0	RYR3 Divergent Transcript	RYR3-DT		GeneCard	
416 1	S100 Calcium Binding Protein A1	S100A1		GeneCard	DisGenet
416 2	S100 Calcium Binding Protein A12	S100A12		GeneCard	DisGenet
416 3	S100 Calcium Binding Protein A4	S100A4		GeneCard	
416 4	S100 Calcium Binding Protein A7	S100A7			DisGenet

416 5	S100 Calcium Binding Protein A7A	S100A7A			DisGenet
416 6	S100 Calcium Binding Protein A8	S100A8		GeneCard	DisGenet
416 7	S100 Calcium Binding Protein A9	S100A9		GeneCard	DisGenet
416 8	S100 Calcium Binding Protein B	S100B		GeneCard	DisGenet
416 9	Sphingosine-1-Phosphate Receptor 1	S1PR1		GeneCard	DisGenet
417 0	Sphingosine-1-Phosphate Receptor 2	S1PR2		GeneCard	
417 1	Sphingosine-1-Phosphate Receptor 3	S1PR3		GeneCard	
417 2	Serum Amyloid A1	SAA1		GeneCard	DisGenet
417 3	Serum Amyloid A2	SAA2		GeneCard	DisGenet
417 4	Serum Amyloid A3, Pseudogene	SAA3P		GeneCard	DisGenet
417 5	Serum Amyloid A4, Constitutive	SAA4		GeneCard	
417 6	Scaffold Attachment Factor B	SAFB		GeneCard	
417 7	S-Antigen Visual Arrestin	SAG		GeneCard	
417 8	Sterile Alpha Motif Domain Containing 1	SAMD1		GeneCard	DisGenet
417 9	Sterile Alpha Motif Domain Containing 4A	SAMD4A			DisGenet
418 0	Sterile Alpha Motif Domain Containing 9	SAMD9		GeneCard	DisGenet
418 1	SAM And HD Domain Containing Deoxynucleoside Triphosphate Triphosphohydrolase 1	SAMHD1		GeneCard	
418 2	SAM Domain, SH3 Domain And Nuclear Localization Signals 1	SAMSN1		GeneCard	DisGenet
418 3	Secretion Associated Ras Related GTPase 1B	SAR1B		GeneCard	
418 4	Sarcosine Dehydrogenase	SARDH		GeneCard	

418 5	Sterile Alpha And TIR Motif Containing 1	SARM1		GeneCard	
418 6	SAM And SH3 Domain Containing 1	SASH1		GeneCard	DisGenet
418 7	Spermidine/Spermine N1-Acetyltransferase 1	SAT1			DisGenet
418 8	SET Binding Factor 1 Pseudogene 1	SBF1P1		GeneCard	
418 9	SET Binding Factor 2	SBF2		GeneCard	
419 0	Sterol-C5-Desaturase	SC5D		GeneCard	
419 1	SREBF Chaperone	SCAP		GeneCard	DisGenet
419 2	Scavenger Receptor Class A Member 3	SCARA3		GeneCard	
419 3	Scavenger Receptor Class A Member 5	SCARA5		GeneCard	DisGenet
419 4	Scavenger receptor class B, member 1 (CD36 antigen-like 1)	SCARB1	OMIM	GeneCard	DisGenet
419 5	Scavenger Receptor Class B Member 2	SCARB2		GeneCard	
419 6	Scavenger Receptor Class F Member 1	SCARF1		GeneCard	
419 7	Scavenger Receptor Family Member Expressed On T Cells 1	SCART1		GeneCard	
419 8	Stearoyl-CoA Desaturase	SCD		GeneCard	DisGenet
419 9	Stearoyl-CoA Desaturase 5	SCD5		GeneCard	
420 0	Secretogranin II	SCG2		GeneCard	DisGenet
420 1	Secretogranin III	SCG3		GeneCard	
420 2	Secretoglobin Family 1A Member 1	SCGB1A1		GeneCard	
420 3	Stem Cell Inhibitory RNA Transcript	SCIRT		GeneCard	
420 4	Scm Polycomb Group Protein Like 4	SCML4		GeneCard	

420 5	Sodium Voltage-Gated Channel Alpha Subunit 1	SCN1A		GeneCard	
420 6	Sodium Voltage-Gated Channel Beta Subunit 4	SCN4B		GeneCard	
420 7	Sodium Voltage-Gated Channel Alpha Subunit 5	SCN5A		GeneCard	
420 8	Sodium Voltage-Gated Channel Alpha Subunit 7	SCN7A			DisGenet
420 9	Sodium Channel Epithelial 1 Subunit Alpha	SCNN1A		GeneCard	
421 0	Sodium Channel Epithelial 1 Subunit Beta	SCNN1B		GeneCard	
421 1	Sodium Channel Epithelial 1 Subunit Gamma	SCNN1G		GeneCard	
421 2	Synthesis Of Cytochrome C Oxidase 2	SCO2		GeneCard	DisGenet
421 3	Sterol Carrier Protein 2	SCP2		GeneCard	DisGenet
421 4	Signal Peptide, CUB Domain And EGF Like Domain Containing 1	SCUBE1		GeneCard	
421 5	Signal Peptide, CUB Domain And EGF Like Domain Containing 2	SCUBE2		GeneCard	
421 6	Syndecan 1	SDC1		GeneCard	DisGenet
421 7	Syndecan 2	SDC2		GeneCard	
421 8	Syndecan 4	SDC4		GeneCard	DisGenet
421 9	Syndecan Binding Protein	SDCBP		GeneCard	
422 0	Succinate Dehydrogenase Complex Iron Sulfur Subunit B	SDHB		GeneCard	
422 1	Succinate Dehydrogenase Complex Subunit C	SDHC		GeneCard	
422 2	SEBOX Homeobox	SEBOX		GeneCard	
422 3	SEC11 Homolog B, Signal Peptidase Complex Subunit (Pseudogene)	SEC11B		GeneCard	
422 4	SEC14 Like Lipid Binding 2	SEC14L2		GeneCard	

422 5	SEC23 Interacting Protein	SEC23IP		GeneCard	
422 6	Selectin E (endothelial leukocyte adhesion molecule-1)	SELE	OMIM	GeneCard	DisGenet
422 7	Selenium Binding Protein 1	SELENBP1			DisGenet
422 8	Selenoprotein P	SELENOP		GeneCard	
422 9	Selenoprotein S	SELENOS		GeneCard	DisGenet
423 0	Selenoprotein T Pseudogene 2	SELENOTP2		GeneCard	
423 1	Selectin L	SELL		GeneCard	DisGenet
423 2	Selectin P (granulocyte membrane protein, 140kD; antigen CD62)	SELP	OMIM	GeneCard	DisGenet
423 3	Selectin P Ligand	SELPLG		GeneCard	DisGenet
423 4	Semaphorin 3A	SEMA3A		GeneCard	
423 5	Semaphorin 3C	SEMA3C		GeneCard	
423 6	Semaphorin 3E	SEMA3E		GeneCard	DisGenet
423 7	Semaphorin 3F	SEMA3F		GeneCard	
423 8	Semaphorin 4A	SEMA4A		GeneCard	
423 9	Semaphorin 4D	SEMA4D		GeneCard	DisGenet
424 0	Semaphorin 5A	SEMA5A		GeneCard	
424 1	Semaphorin 6A	SEMA6A			DisGenet
424 2	Semaphorin 6D	SEMA6D		GeneCard	
424 3	Semaphorin 7A (John Milton Hagen Blood Group)	SEMA7A		GeneCard	DisGenet
424 4	Smooth Muscle And Endothelial Cell Enriched Migration/Differentiation-Associated LncRNA	SENCR		GeneCard	

424 5	SUMO Specific Peptidase 2	SEN2		GeneCard	DisGenet
424 6	SUMO Peptidase Family Member, NEDD8 Specific	SEN8		GeneCard	
424 7	Septin 4	SEPTIN4		GeneCard	
424 8	Serpin Family A Member 1	SERPINA1		GeneCard	DisGenet
424 9	Serpin Family A Member 10	SERPINA10		GeneCard	
425 0	Serpin Family A Member 12	SERPINA12		GeneCard	DisGenet
425 1	Serpin Family A Member 3	SERPINA3		GeneCard	DisGenet
425 2	Serpin Family A Member 4	SERPINA4		GeneCard	
425 3	Serpin Family A Member 5	SERPINA5		GeneCard	
425 4	Serpin Family A Member 9	SERPINA9		GeneCard	DisGenet
425 5	Serpin Family B Member 1	SERPINB1		GeneCard	
425 6	Serpin Family B Member 2	SERPINB2		GeneCard	
425 7	Serpin Family B Member 9	SERPINB9		GeneCard	
425 8	Serpin Family C Member 1	SERPINC1		GeneCard	
425 9	Serpin Family D Member 1	SERPIND1		GeneCard	DisGenet
426 0	Serpin Family E Member 1	SERPINE1	OMIM	GeneCard	DisGenet
426 1	Serpin Family E Member 2	SERPINE2		GeneCard	
426 2	Serpin Family F Member 1	SERPINF1		GeneCard	DisGenet
426 3	Serpin Family F Member 2	SERPINF2		GeneCard	DisGenet
426 4	Serpin Family G Member 1	SERPING1		GeneCard	DisGenet

426 5	Serpin Family H Member 1	SERPINH1		GeneCard	
426 6	Serpin Family I Member 1	SERPINI1		GeneCard	
426 7	Sestrin 2	SESN2		GeneCard	DisGenet
426 8	SET Domain Containing 2, Histone Lysine Methyltransferase	SETD2			DisGenet
426 9	SET Domain Bifurcated Histone Lysine Methyltransferase 1	SETDB1		GeneCard	
427 0	Seizure Related 6 Homolog Like	SEZ6L		GeneCard	
427 1	Splicing Factor 3a Subunit 1	SF3A1		GeneCard	
427 2	Splicing Factor 3a Subunit 2	SF3A2		GeneCard	
427 3	Secreted Frizzled Related Protein 4	SFRP4		GeneCard	DisGenet
427 4	Secreted Frizzled Related Protein 5	SFRP5		GeneCard	DisGenet
427 5	Surfactant Protein A1	SFTPA1			DisGenet
427 6	Surfactant Protein A2	SFTPA2			DisGenet
427 7	Surfactant Protein B	SFTPB		GeneCard	
427 8	Surfactant Protein D	SFTPD	OMIM	GeneCard	DisGenet
427 9	Sarcoglycan Alpha	SGCA		GeneCard	
428 0	Sarcoglycan Beta	SGCB		GeneCard	DisGenet
428 1	Sarcoglycan Delta	SGCD		GeneCard	
428 2	Sarcoglycan Zeta	SGCZ		GeneCard	
428 3	SH3GL Interacting Endocytic Adaptor 1	SGIP1		GeneCard	
428 4	Serum/Glucocorticoid Regulated Kinase 1	SGK1		GeneCard	



428 5	Sphingomyelin Synthase 1	SGMS1		GeneCard	DisGenet
428 6	Sphingomyelin Synthase 2	SGMS2		GeneCard	DisGenet
428 7	Shugoshin 2	SGO2		GeneCard	
428 8	Sphingosine-1-Phosphate Lyase 1	SGPL1		GeneCard	DisGenet
428 9	Small G Protein Signaling Modulator 3	SGSM3			DisGenet
429 0	SH2B Adaptor Protein 1	SH2B1		GeneCard	
429 1	SH2B Adaptor Protein 3	SH2B3		GeneCard	DisGenet
429 2	SH2 Domain Containing 1A	SH2D1A		GeneCard	
429 3	SH2 Domain Containing 2A	SH2D2A		GeneCard	
429 4	SH3 Domain Containing 21	SH3D21		GeneCard	
429 5	SH3 Domain Containing GRB2 Like 1, Endophilin A2	SH3GL1		GeneCard	
429 6	SH3 Domain Containing GRB2 Like 2, Endophilin A1	SH3GL2		GeneCard	
429 7	SHANK Associated RH Domain Interactor	SHARPIN		GeneCard	
429 8	SH2 Domain Containing Adaptor Protein B	SHB		GeneCard	
429 9	Sex Hormone Binding Globulin	SHBG		GeneCard	DisGenet
430 0	SHC Adaptor Protein 1	SHC1		GeneCard	DisGenet
430 1	Sonic Hedgehog Signaling Molecule	SHH		GeneCard	
430 2	Serine Hydroxymethyltransferase 1	SHMT1		GeneCard	
430 3	Short Stature Homeobox	SHOX		GeneCard	
430 4	Sedoheptulokinase	SHPK		GeneCard	

430 5	Sialic Acid Acetylesterase	SIAE		GeneCard	
430 6	Single Ig And TIR Domain Containing	SIGIRR			DisGenet
430 7	Sialic Acid Binding Ig Like Lectin 1	SIGLEC1		GeneCard	DisGenet
430 8	sialic acid binding Ig like lectin 9	SIGLEC9			DisGenet
430 9	Salt Inducible Kinase 2	SIK2		GeneCard	
431 0	SIN3 Transcription Regulator Family Member B	SIN3B		GeneCard	
431 1	Signal Regulatory Protein Alpha	SIRPA		GeneCard	DisGenet
431 2	Sirtuin, <i>S. cerevisiae</i> , homolog 1	SIRT1	OMIM	GeneCard	DisGenet
431 3	SIRT1 Antisense RNA	SIRT1-AS			DisGenet
431 4	Sirtuin 2	SIRT2		GeneCard	DisGenet
431 5	Sirtuin 3	SIRT3		GeneCard	DisGenet
431 6	Sirtuin 4	SIRT4		GeneCard	
431 7	Sirtuin 5	SIRT5		GeneCard	
431 8	Sirtuin 6	SIRT6		GeneCard	DisGenet
431 9	Sirtuin 7	SIRT7		GeneCard	DisGenet
432 0	S-Phase Kinase Associated Protein 1	SKP1		GeneCard	
432 1	S-Phase Kinase Associated Protein 2	SKP2		GeneCard	DisGenet
432 2	Signaling Lymphocytic Activation Molecule Family Member 1	SLAMF1		GeneCard	
432 3	SLAM Family Member 6	SLAMF6		GeneCard	
432 4	SLAM Family Member 7	SLAMF7		GeneCard	DisGenet

432 5	Solute Carrier Family 10 Member 1	SLC10A1		GeneCard	
432 6	Solute Carrier Family 10 Member 2	SLC10A2		GeneCard	DisGenet
432 7	Solute Carrier Family 11 Member 1	SLC11A1		GeneCard	
432 8	Solute Carrier Family 11 Member 2	SLC11A2		GeneCard	
432 9	Solute Carrier Family 12 Member 1	SLC12A1		GeneCard	
433 0	Solute Carrier Family 12 Member 3	SLC12A3		GeneCard	DisGenet
433 1	Solute Carrier Family 12 Member 4	SLC12A4		GeneCard	
433 2	SLC12A5 And MMP9 Antisense RNA 1	SLC12A5-AS1		GeneCard	
433 3	Solute Carrier Family 15 Member 4	SLC15A4		GeneCard	
433 4	Solute Carrier Family 16 Member 3	SLC16A3		GeneCard	DisGenet
433 5	Solute Carrier Family 16 Member 8	SLC16A8			DisGenet
433 6	Solute Carrier Family 17 Member 1	SLC17A1		GeneCard	
433 7	Solute Carrier Family 17 Member 3	SLC17A3		GeneCard	
433 8	Solute Carrier Family 17 Member 4	SLC17A4		GeneCard	DisGenet
433 9	Solute Carrier Family 17 Member 5	SLC17A5		GeneCard	DisGenet
434 0	Solute Carrier Family 18 Member A1	SLC18A1		GeneCard	
434 1	Solute Carrier Family 19 Member 1	SLC19A1		GeneCard	
434 2	Solute Carrier Family 1 Member 1	SLC1A1		GeneCard	
434 3	Solute Carrier Family 1 Member 4	SLC1A4		GeneCard	
434 4	Solute Carrier Family 20 Member 1	SLC20A1		GeneCard	

434 5	Solute Carrier Family 20 Member 2	SLC20A2		GeneCard	
434 6	Solute Carrier Family 22 Member 1	SLC22A1		GeneCard	DisGenet
434 7	Solute Carrier Family 22 Member 11	SLC22A11		GeneCard	
434 8	Solute Carrier Family 22 Member 12	SLC22A12		GeneCard	
434 9	Solute Carrier Family 22 Member 18	SLC22A18			DisGenet
435 0	Solute Carrier Family 22 Member 4	SLC22A4		GeneCard	
435 1	Solute Carrier Family 22 Member 5	SLC22A5		GeneCard	
435 2	Solute Carrier Family 23 Member 2	SLC23A2		GeneCard	
435 3	Solute Carrier Family 24 Member 3	SLC24A3		GeneCard	
435 4	Solute Carrier Family 25 Member 1	SLC25A1		GeneCard	
435 5	Solute Carrier Family 25 Member 17	SLC25A17		GeneCard	
435 6	Solute Carrier Family 25 Member 20	SLC25A20			DisGenet
435 7	Solute Carrier Family 25 Member 22	SLC25A22		GeneCard	
435 8	Solute Carrier Family 25 Member 24	SLC25A24		GeneCard	
435 9	Solute Carrier Family 25 Member 4	SLC25A4		GeneCard	
436 0	Solute Carrier Family 25 Member 5	SLC25A5		GeneCard	
436 1	Solute Carrier Family 26 Member 4	SLC26A4			DisGenet
436 2	Solute Carrier Family 26 Member 7	SLC26A7		GeneCard	
436 3	Solute Carrier Family 27 Member 1	SLC27A1		GeneCard	
436 4	Solute Carrier Family 27 Member 6	SLC27A6		GeneCard	

436 5	Solute Carrier Family 29 Member 1 (Augustine Blood Group)	SLC29A1		GeneCard	
436 6	Solute Carrier Family 29 Member 2	SLC29A2		GeneCard	
436 7	Solute Carrier Family 2 Member 1	SLC2A1		GeneCard	DisGenet
436 8	Solute Carrier Family 2 Member 10	SLC2A10		GeneCard	
436 9	Solute Carrier Family 2 Member 13	SLC2A13		GeneCard	
437 0	Solute Carrier Family 2 Member 2	SLC2A2		GeneCard	
437 1	Solute Carrier Family 2 Member 3	SLC2A3		GeneCard	
437 2	Solute Carrier Family 2 Member 4	SLC2A4		GeneCard	
437 3	Solute Carrier Family 2 Member 4 Regulator	SLC2A4RG			DisGenet
437 4	Solute Carrier Family 2 Member 5	SLC2A5		GeneCard	
437 5	Solute Carrier Family 2 Member 6	SLC2A6			DisGenet
437 6	Solute Carrier Family 2 Member 9	SLC2A9	OMIM	GeneCard	DisGenet
437 7	Solute Carrier Family 30 Member 8	SLC30A8		GeneCard	
437 8	Solute Carrier Family 31 Member 1	SLC31A1		GeneCard	
437 9	Solute Carrier Family 33 Member 1	SLC33A1			DisGenet
438 0	Solute Carrier Family 34 Member 1	SLC34A1		GeneCard	
438 1	Solute Carrier Family 35 Member A1	SLC35A1			DisGenet
438 2	Solute Carrier Family 39 Member 1	SLC39A1			DisGenet
438 3	Solute Carrier Family 39 Member 2	SLC39A2		GeneCard	
438 4	Solute Carrier Family 39 Member 8	SLC39A8			DisGenet

438 5	Solute Carrier Family 3 Member 2	SLC3A2			DisGenet
438 6	Solute Carrier Family 40 Member 1	SLC40A1		GeneCard	DisGenet
438 7	Solute Carrier Family 44 Member 3	SLC44A3		GeneCard	
438 8	Solute Carrier Family 45 Member 3	SLC45A3		GeneCard	
438 9	Solute Carrier Family 46 Member 1	SLC46A1		GeneCard	
439 0	Solute Carrier Family 4 Member 1 (Diego Blood Group)	SLC4A1		GeneCard	
439 1	Solute Carrier Family 4 Member 5	SLC4A5		GeneCard	
439 2	Solute Carrier Family 52 Member 1	SLC52A1			DisGenet
439 3	Solute Carrier Family 52 Member 2	SLC52A2			DisGenet
439 4	Solute Carrier Family 5 Member 1	SLC5A1		GeneCard	
439 5	Solute Carrier Family 5 Member 10	SLC5A10		GeneCard	DisGenet
439 6	Solute Carrier Family 5 Member 11	SLC5A11		GeneCard	
439 7	Solute Carrier Family 5 Member 2	SLC5A2			DisGenet
439 8	Solute Carrier Family 5 Member 7	SLC5A7		GeneCard	
439 9	Solute Carrier Family 6 Member 13	SLC6A13		GeneCard	
440 0	Solute Carrier Family 6 Member 2	SLC6A2		GeneCard	
440 1	Solute Carrier Family 6 Member 3	SLC6A3		GeneCard	
440 2	Solute Carrier Family 6 Member 4	SLC6A4		GeneCard	DisGenet
440 3	Solute Carrier Family 6 Member 8	SLC6A8			DisGenet
440 4	Solute Carrier Family 7 Member 5	SLC7A5			DisGenet

440 5	Solute Carrier Family 8 Member A1	SLC8A1		GeneCard	DisGenet
440 6	Solute Carrier Family 9 Member A1	SLC9A1		GeneCard	DisGenet
440 7	SLC9A3 Regulator 2	SLC9A3R2		GeneCard	
440 8	Solute Carrier Organic Anion Transporter Family Member 5A1	SLCO5A1		GeneCard	
440 9	Solute Carrier Organic Anion Transporter Family Member 6A1	SLCO6A1			DisGenet
441 0	Systemic Lupus Erythematosus, Susceptibility To, 12	SLEB12		GeneCard	
441 1	Systemic Lupus Erythematosus, Susceptibility To, 13	SLEB13		GeneCard	
441 2	Systemic Lupus Erythematosus, Susceptibility To, 14	SLEB14		GeneCard	
441 3	Systemic Lupus Erythematosus, Susceptibility To, 15	SLEB15		GeneCard	
441 4	Systemic Lupus Erythematosus Susceptibility 3	SLEB3		GeneCard	
441 5	Systemic Lupus Erythematosus, Susceptibility To, 4	SLEB4		GeneCard	
441 6	Systemic Lupus Erythematosus, Susceptibility To, 5	SLEB5		GeneCard	
441 7	Systemic Lupus Erythematosus, Susceptibility To, 7	SLEB7		GeneCard	
441 8	Systemic Lupus Erythematosus, Susceptibility To, 8	SLEB8		GeneCard	
441 9	Systemic Lupus Erythematosus With Hemolytic Anemia 1	SLEH1		GeneCard	
442 0	Systemic Lupus Erythematosus With Nephritis 1	SLEN1		GeneCard	
442 1	Systemic Lupus Erythematosus With Nephritis 2	SLEN2		GeneCard	
442 2	Systemic Lupus Erythematosus With Nephritis 3	SLEN3		GeneCard	
442 3	Slit Guidance Ligand 2	SLIT2		GeneCard	DisGenet
442 4	SLIT And NTRK Like Family Member 3	SLITRK3		GeneCard	

442 5	Secretory Leukocyte Peptidase Inhibitor	SLPI		GeneCard	DisGenet
442 6	Secreted LY6/PLAUR Domain Containing 1	SLURP1		GeneCard	
442 7	SMAD Family Member 1	SMAD1		GeneCard	DisGenet
442 8	SMAD Family Member 2	SMAD2		GeneCard	
442 9	SMAD Family Member 3	SMAD3		GeneCard	DisGenet
443 0	SMAD Family Member 4	SMAD4		GeneCard	
443 1	SMAD Family Member 5	SMAD5		GeneCard	
443 2	SMAD Family Member 6	SMAD6		GeneCard	
443 3	SMAD Family Member 7	SMAD7		GeneCard	DisGenet
443 4	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 1	SMARCA1		GeneCard	
443 5	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 2	SMARCA2		GeneCard	
443 6	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 4	SMARCA4		GeneCard	DisGenet
443 7	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 5	SMARCA5		GeneCard	
443 8	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A Like 1	SMARCA1	OMIM	GeneCard	
443 9	Structural Maintenance Of Chromosomes 1B	SMC1B		GeneCard	
444 0	Sperm Mitochondria Associated Cysteine Rich Protein	SMCP			DisGenet
444 1	Smooth Muscle Induced LncRNA, Enhancer Of Proliferation	SMILR		GeneCard	
444 2	Small Integral Membrane Protein 35	SMIM35		GeneCard	
444 3	Survival Of Motor Neuron 1, Telomeric	SMN1			DisGenet
444 4	Survival Of Motor Neuron 2, Centromeric	SMN2			DisGenet



444 5	Smoothened, Frizzled Class Receptor	SMO		GeneCard	
444 6	SPARC Related Modular Calcium Binding 1	SMOC1		GeneCard	
444 7	SPARC Related Modular Calcium Binding 2	SMOC2		GeneCard	
444 8	Spermine Oxidase	SMOX			DisGenet
444 9	Sphingomyelin Phosphodiesterase 1	SMPD1		GeneCard	DisGenet
445 0	Sphingomyelin Phosphodiesterase 2	SMPD2		GeneCard	DisGenet
445 1	Sphingomyelin Phosphodiesterase 3	SMPD3		GeneCard	DisGenet
445 2	Sphingomyelin Phosphodiesterase Acid Like 3A	SMPDL3A		GeneCard	
445 3	Spermine Synthase	SMS			DisGenet
445 4	Smoothelin	SMTN		GeneCard	
445 5	single-strand-selective monofunctional uracil-DNA glycosylase 1	SMUG1			DisGenet
445 6	Snail Family Transcriptional Repressor 1	SNAI1		GeneCard	DisGenet
445 7	Snail Family Transcriptional Repressor 2	SNAI2			DisGenet
445 8	Synuclein Alpha	SNCA		GeneCard	
445 9	Synuclein Alpha Interacting Protein	SNCAIP		GeneCard	
446 0	Synuclein Beta	SNCB		GeneCard	
446 1	Synuclein Gamma	SNCG		GeneCard	
446 2	SNF8 Subunit Of ESCRT-II	SNF8		GeneCard	DisGenet
446 3	Small Nucleolar RNA Host Gene 12	SNHG12		GeneCard	
446 4	Small Nucleolar RNA Host Gene 16	SNHG16		GeneCard	DisGenet

446 5	Small Nucleolar RNA Host Gene 7	SNHG7		GeneCard	
446 6	Small Nucleolar RNA Host Gene 8	SNHG8		GeneCard	
446 7	Stannin	SNN		GeneCard	
446 8	Small Nuclear Ribonucleoprotein U1 Subunit 70	SNRNP70		GeneCard	
446 9	Small Nuclear Ribonucleoprotein Polypeptides B And B1	SNRPB		GeneCard	
447 0	Small Nuclear Ribonucleoprotein Polypeptide B2	SNRPB2		GeneCard	DisGenet
447 1	Small Nuclear Ribonucleoprotein D1 Polypeptide	SNRPD1		GeneCard	
447 2	Small Nuclear Ribonucleoprotein D3 Polypeptide	SNRPD3		GeneCard	
447 3	Small Nuclear Ribonucleoprotein Polypeptide E	SNRPE		GeneCard	
447 4	Small Nuclear Ribonucleoprotein Polypeptide N	SNRPN		GeneCard	
447 5	Syntrophin Alpha 1	SNTA1		GeneCard	
447 6	Sorting Nexin 19	SNX19			DisGenet
447 7	Sorting Nexin 10	SNX10		GeneCard	
447 8	Sorting Nexin 16	SNX16		GeneCard	
447 9	Sorting Nexin 17	SNX17		GeneCard	
448 0	Sorting Nexin 19	SNX19		GeneCard	
448 1	Sterol O-acyltransferase 1 (acyl-Coenzyme A: cholesterol acyltransferase 1)	SOAT1	OMIM	GeneCard	DisGenet
448 2	Sterol O-acyltransferase 2	SOAT2	OMIM	GeneCard	DisGenet
448 3	Suppressor Of Cytokine Signaling 1	SOCS1		GeneCard	DisGenet
448 4	Suppressor Of Cytokine Signaling 3	SOCS3		GeneCard	DisGenet

448 5	Suppressor Of Cytokine Signaling 5	SOCS5		GeneCard	
448 6	Suppressor Of Cytokine Signaling 6	SOCS6		GeneCard	
448 7	Superoxide Dismutase 1	SOD1		GeneCard	DisGenet
448 8	Superoxide Dismutase 2	SOD2		GeneCard	DisGenet
448 9	Superoxide Dismutase 3	SOD3		GeneCard	DisGenet
449 0	Spermatogenesis And Oogenesis Specific Basic Helix-Loop-Helix 1	SOHLH1	OMIM	GeneCard	
449 1	Spermatogenesis And Oogenesis Specific Basic Helix-Loop-Helix 2	SOHLH2		GeneCard	
449 2	Sorbin And SH3 Domain Containing 3	SORBS3		GeneCard	DisGenet
449 3	Sortilin Related VPS10 Domain Containing Receptor 1	SORCS1		GeneCard	
449 4	Sortilin Related VPS10 Domain Containing Receptor 2	SORCS2		GeneCard	
449 5	Sorbitol Dehydrogenase	SORD		GeneCard	
449 6	Sortilin Related Receptor 1	SORL1	OMIM	GeneCard	DisGenet
449 7	Sortilin 1	SORT1		GeneCard	DisGenet
449 8	SOS Ras/Rac Guanine Nucleotide Exchange Factor 1	SOS1		GeneCard	DisGenet
449 9	Sclerostin	SOST		GeneCard	
450 0	SRY-Box Transcription Factor 18	SOX18		GeneCard	DisGenet
450 1	SRY-Box Transcription Factor 6	SOX6		GeneCard	DisGenet
450 2	SRY-Box Transcription Factor 7	SOX7		GeneCard	
450 3	SRY-Box Transcription Factor 9	SOX9		GeneCard	
450 4	Sp1 Transcription Factor	SP1		GeneCard	DisGenet

450 5	SP110 Nuclear Body Protein	SP110		GeneCard	
450 6	Sp3 Transcription Factor	SP3		GeneCard	
450 7	Sp6 transcription factor	SP6			DisGenet
450 8	Sp7 Transcription Factor	SP7		GeneCard	
450 9	Small Regulatory Polypeptide Of Amino Acid Response	SPAAR		GeneCard	
451 0	Secreted Protein Acidic And Cysteine Rich	SPARC		GeneCard	DisGenet
451 1	SPARC Like 1	SPARCL1		GeneCard	
451 2	Spermatogenesis Associated 6 Like	SPATA6L		GeneCard	
451 3	Spermatogenesis Associated 7	SPATA7		GeneCard	
451 4	SPC24 Component Of NDC80 Kinetochore Complex	SPC24		GeneCard	
451 5	Striated Muscle Enriched Protein Kinase	SPEG		GeneCard	
451 6	SPG21 Abhydrolase Domain Containing, Maspardin	SPG21		GeneCard	
451 7	SPG7 Matrix AAA Peptidase Subunit, Paraplegin	SPG7		GeneCard	DisGenet
451 8	Sphingosine Kinase 1	SPHK1		GeneCard	DisGenet
451 9	Sphingosine Kinase 2	SPHK2			DisGenet
452 0	SPHK1 Interactor, AKAP Domain Containing	SPHKAP		GeneCard	
452 1	Spi-1 Proto-Oncogene	SPI1		GeneCard	DisGenet
452 2	Scaffold Protein Involved In DNA Repair	SPIDR		GeneCard	
452 3	Serine Peptidase Inhibitor Kazal Type 1	SPINK1		GeneCard	
452 4	SPO11 Initiator Of Meiotic Double Stranded Breaks	SPO11		GeneCard	

452 5	Spondin 2	SPON2			DisGenet
452 6	Secreted phosphoprotein-1 (osteopontin, bone sialoprotein)	SPP1	OMIM	GeneCard	DisGenet
452 7	Signal Peptide Peptidase Like 2A	SPPL2A		GeneCard	
452 8	Signal Peptide Peptidase Like 2B	SPPL2B		GeneCard	
452 9	Sepiapterin Reductase	SPR		GeneCard	
453 0	Small Proline Rich Protein 3	SPRR3		GeneCard	
453 1	Sprouty RTK Signaling Antagonist 1	SPRY1		GeneCard	DisGenet
453 2	Sprouty RTK Signaling Antagonist 2	SPRY2		GeneCard	
453 3	Sprouty RTK Signaling Antagonist 4	SPRY4		GeneCard	
453 4	SPRY Domain Containing 4	SPRYD4		GeneCard	
453 5	Spectrin Beta, Erythrocytic	SPTB		GeneCard	
453 6	Serine Palmitoyltransferase Long Chain Base Subunit 1	SPTLC1		GeneCard	
453 7	Spexin Hormone	SPX		GeneCard	DisGenet
453 8	Spermatogenic Leucine Zipper 1	SPZ1			DisGenet
453 9	Squalene Epoxidase	SQLE		GeneCard	
454 0	Sulfide Quinone Oxidoreductase	SQOR		GeneCard	
454 1	Sequestosome 1	SQSTM1		GeneCard	DisGenet
454 2	Steroid Receptor RNA Activator 1	SRA1		GeneCard	
454 3	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	SRC		GeneCard	DisGenet
454 4	Steroid 5 Alpha-Reductase 1	SRD5A1		GeneCard	

454 5	Steroid 5 Alpha-Reductase 2	SRD5A2		GeneCard	
454 6	Sterol Regulatory Element Binding Transcription Factor 1	SREBF1		GeneCard	DisGenet
454 7	Sterol Regulatory Element Binding Transcription Factor 2	SREBF2		GeneCard	DisGenet
454 8	Serum Response Factor	SRF		GeneCard	
454 9	Serum Response Factor Binding Protein 1	SRFBP1		GeneCard	
455 0	Serglycin	SRGN		GeneCard	
455 1	Sorcin	SRI			DisGenet
455 2	Sorcin Pseudogene 1	SRIP1		GeneCard	
455 3	Serine/Arginine repetitive matrix 2	SRRM2			DisGenet
455 4	Serine and Arginine Rich Splicing Factor 1	SRSF1			DisGenet
455 5	Serine and Arginine Rich Splicing Factor 2	SRSF2		GeneCard	DisGenet
455 6	Serine and Arginine Rich Splicing Factor 3	SRSF3		GeneCard	
455 7	Serine and Arginine Rich Splicing Factor 5	SRSF5		GeneCard	
455 8	Serine and Arginine Rich Splicing Factor 7	SRSF7		GeneCard	
455 9	Sulfiredoxin 1	SRXN1		GeneCard	
456 0	Sex Determining Region Y	SRY		GeneCard	DisGenet
456 1	Small RNA Binding Exonuclease Protection Factor La	SSB		GeneCard	
456 2	Single Stranded DNA Binding Protein 1	SSBP1			DisGenet
456 3	Single Stranded DNA Binding Protein 3	SSBP3		GeneCard	
456 4	Slingshot Protein Phosphatase 1	SSH1		GeneCard	

456 5	Structure Specific Recognition Protein 1	SSRP1		GeneCard	DisGenet
456 6	Somatostatin	SST		GeneCard	DisGenet
456 7	Somatostatin Receptor 2	SSTR2		GeneCard	DisGenet
456 8	Somatostatin Receptor 4	SSTR4			DisGenet
456 9	ST13 Hsp70 Interacting Protein	ST13		GeneCard	
457 0	ST14 Transmembrane Serine Protease Matriptase	ST14		GeneCard	DisGenet
457 1	Suppression Of Tumorigenicity 2	ST2		GeneCard	DisGenet
457 2	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 1	ST3GAL1		GeneCard	
457 3	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 4	ST3GAL4		GeneCard	DisGenet
457 4	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 5	ST3GAL5		GeneCard	
457 5	ST6 Beta-Galactoside Alpha-2,6-Sialyltransferase 1	ST6GAL1		GeneCard	DisGenet
457 6	ST8 Alpha-N-Acetyl-Neuraminide Alpha-2,8-Sialyltransferase 1	ST8SIA1		GeneCard	DisGenet
457 7	ST8 Alpha-N-Acetyl-Neuraminide Alpha-2,8-Sialyltransferase 4	ST8SIA4		GeneCard	
457 8	Stabilin 1	STAB1		GeneCard	DisGenet
457 9	Stabilin 2	STAB2		GeneCard	
458 0	Stromal Antigen 3	STAG3		GeneCard	
458 1	Stromal Antigen 3-Like 4 (Pseudogene)	STAG3L4		GeneCard	
458 2	STAM Binding Protein	STAMBP		GeneCard	
458 3	Signal Transducing Adaptor Family Member 1	STAP1		GeneCard	
458 4	Steroidogenic Acute Regulatory Protein	STAR		GeneCard	DisGenet

458 5	StAR Related Lipid Transfer Domain Containing 7	STARD7		GeneCard	
458 6	Steroidogenic Acute Regulatory Protein Pseudogene 1	STARP1		GeneCard	
458 7	Signal Transducer And Activator Of Transcription 1	STAT1		GeneCard	DisGenet
458 8	Signal Transducer And Activator Of Transcription 3	STAT3		GeneCard	DisGenet
458 9	Signal Transducer And Activator Of Transcription 4	STAT4		GeneCard	DisGenet
459 0	Signal Transducer And Activator Of Transcription 5A	STAT5A		GeneCard	
459 1	Signal Transducer And Activator Of Transcription 5B	STAT5B		GeneCard	
459 2	Signal Transducer And Activator Of Transcription 6	STAT6		GeneCard	DisGenet
459 3	Staufen Double-Stranded RNA Binding Protein 1	STAU1		GeneCard	
459 4	Stanniocalcin 1	STC1		GeneCard	
459 5	Stanniocalcin 2	STC2		GeneCard	DisGenet
459 6	STEAP Family Member 1	STEAP1		GeneCard	
459 7	STEAP Family Member 1B	STEAP1B		GeneCard	
459 8	STEAP1B Antisense RNA 1	STEAP1B-AS1		GeneCard	
459 9	STEAP2 Antisense RNA 1	STEAP2-AS1		GeneCard	
460 0	STEAP4 Metalloreductase	STEAP4		GeneCard	DisGenet
460 1	Stromal Interaction Molecule 1	STIM1		GeneCard	DisGenet
460 2	Serine/Threonine Kinase 11	STK11		GeneCard	DisGenet
460 3	Serine/Threonine Kinase 25	STK25			DisGenet
460 4	Serine/Threonine Kinase 38	STK38		GeneCard	



460 5	Serine/Threonine Kinase 38 Like	STK38L		GeneCard	
460 6	Serine/Threonine Kinase 40	STK40		GeneCard	
460 7	Stathmin 1	STMN1		GeneCard	
460 8	Stimulated By Retinoic Acid 8	STRA8		GeneCard	
460 9	Striatin Interacting Protein 2	STRIP2			DisGenet
461 0	Steroid Sulfatase	STS		GeneCard	DisGenet
461 1	STIP1 Homology And U-Box Containing Protein 1	STUB1		GeneCard	DisGenet
461 2	Syntaxin Binding Protein 3	STXBP3		GeneCard	
461 3	Syntaxin Binding Protein 5	STXBP5		GeneCard	
461 4	SUB1 Regulator Of Transcription	SUB1		GeneCard	
461 5	Succinate-CoA Ligase ADP-Forming Subunit Beta	SUCLA2			DisGenet
461 6	SUCLA2 Pseudogene 2	SUCLA2P2		GeneCard	
461 7	Succinate-CoA Ligase GDP/ADP-Forming Subunit Alpha	SUCLG1		GeneCard	
461 8	Succinate Receptor 1	SUCNR1		GeneCard	DisGenet
461 9	Sulfatase 2	SULF2		GeneCard	
462 0	Sulfotransferase Family 1A Member 3	SULT1A3		GeneCard	
462 1	Sulfotransferase Family 1E Member 1	SULT1E1		GeneCard	
462 2	Sulfotransferase Family 2A Member 1	SULT2A1		GeneCard	DisGenet
462 3	Sulfotransferase Family 2B Member 1	SULT2B1		GeneCard	
462 4	Small Ubiquitin Like Modifier 1	SUMO1		GeneCard	DisGenet

462 5	Sad1 And UNC84 Domain Containing 2	SUN2		GeneCard	
462 6	SPT3 Homolog, SAGA And STAGA Complex Component	SUPT3H		GeneCard	
462 7	SURF1 Cytochrome C Oxidase Assembly Factor	SURF1		GeneCard	
462 8	Surfeit 2	SURF2		GeneCard	
462 9	Surfeit 4	SURF4		GeneCard	
463 0	Sushi Domain Containing 2	SUSD2		GeneCard	
463 1	SUV39H1 Histone Lysine Methyltransferase	SUV39H1		GeneCard	
463 2	SUV39H2 Histone Lysine Methyltransferase	SUV39H2		GeneCard	
463 3	Sushi, Von Willebrand Factor Type A, EGF And Pentraxin Domain Containing 1	SVEP1		GeneCard	
463 4	Synaptonemal Complex Central Element Protein 1	SYCE1		GeneCard	
463 5	Synaptonemal Complex Protein 3	SYCP3		GeneCard	
463 6	Spleen Associated Tyrosine Kinase	SYK		GeneCard	DisGenet
463 7	Synapsin II	SYN2		GeneCard	
463 8	Spectrin Repeat Containing Nuclear Envelope Protein 1	SYNE1		GeneCard	
463 9	Spectrin Repeat Containing Nuclear Envelope Protein 2	SYNE2		GeneCard	
464 0	Spectrin Repeat Containing Nuclear Envelope Family Member 3	SYNE3		GeneCard	
464 1	Synemin	SYNM		GeneCard	
464 2	Synaptopodin 2	SYNPO2		GeneCard	
464 3	Synaptopodin 2 Like	SYNPO2L		GeneCard	
464 4	Synaptophysin	SYP		GeneCard	

464 5	Synaptotagmin 1	SYT1			DisGenet
464 6	Synaptotagmin 15	SYT15		GeneCard	
464 7	Synaptotagmin 7	SYT7		GeneCard	
464 8	Synoviolin 1	SYVN1		GeneCard	
464 9	TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 2	TAB2		GeneCard	
465 0	Tachykinin Precursor 1	TAC1			DisGenet
465 1	Tachykinin Receptor 1	TACR1		GeneCard	
465 2	Transcriptional Adaptor 1	TADA1			DisGenet
465 3	TATA-Box Binding Protein Associated Factor 3	TAF3			DisGenet
465 4	TATA-Box Binding Protein Associated Factor 7	TAF7		GeneCard	
465 5	TAFA Chemokine Like Family Member 5	TAFA5		GeneCard	
465 6	Tafazzin, Phospholipid-Lysophospholipid Transacylase	TAFAZZIN		GeneCard	
465 7	Transgelin	TAGLN		GeneCard	DisGenet
465 8	Transgelin 2	TAGLN2		GeneCard	
465 9	Myeloproliferative syndrome, transient	TAM			DisGenet
466 0	Tetratricopeptide Repeat, Ankyrin Repeat And Coiled-Coil Containing 1	TANC1		GeneCard	
466 1	TRAF Family Member Associated NFKB Activator	TANK		GeneCard	
466 2	Transporter 2, ATP Binding Cassette Subfamily B Member	TAP2		GeneCard	
466 3	TAR DNA Binding Protein	TARDBP		GeneCard	
466 4	TCR Gamma Alternate Reading Frame Protein	TARP		GeneCard	

466 5	Taste 2 Receptor Member 50	TAS2R50		GeneCard	
466 6	TLR Adaptor Interacting With Endolysosomal SLC15A4	TASL		GeneCard	
466 7	Tyrosine Aminotransferase	TAT		GeneCard	
466 8	Tafazzin	TAZ			DisGenet
466 9	TBC1 Domain Family Member 1	TBC1D1		GeneCard	
467 0	TBC1 Domain Family Member 4	TBC1D4		GeneCard	
467 1	Tubulin Folding Cofactor A Pseudogene 1	TBCAP1		GeneCard	
467 2	TANK Binding Kinase 1	TBK1		GeneCard	
467 3	TBL1X/Y Related 1	TBL1XR1		GeneCard	
467 4	TATA-Box Binding Protein Like 2	TBPL2			DisGenet
467 5	Transforming Growth Factor Beta Regulator 1	TBRG1		GeneCard	
467 6	T-Box Transcription Factor 18	TBX18		GeneCard	DisGenet
467 7	T-Box Transcription Factor 20	TBX20		GeneCard	DisGenet
467 8	T-Box Transcription Factor 21	TBX21		GeneCard	
467 9	T-Box Transcription Factor 4	TBX4		GeneCard	
468 0	T-Box Transcription Factor 5	TBX5		GeneCard	
468 1	Thromboxane A2 Receptor	TBXA2R		GeneCard	DisGenet
468 2	Thromboxane A Synthase 1	TBXAS1		GeneCard	DisGenet
468 3	T-Box Transcription Factor T	TBXT		GeneCard	
468 4	Titin-Cap	TCAP		GeneCard	

468 5	Transcription Elongation Factor A1	TCEA1		GeneCard	
468 6	Transcription Elongation Factor A3	TCEA3		GeneCard	
468 7	Transcription Factor 15	TCF15			DisGenet
468 8	Transcription Factor 21	TCF21		GeneCard	DisGenet
468 9	Transcription Factor 4	TCF4		GeneCard	
469 0	Transcription Factor 7	TCF7		GeneCard	
469 1	Transcription Factor 7 Like 2	TCF7L2		GeneCard	DisGenet
469 2	T Cell Immune Regulator 1, ATPase H+ Transporting V0 Subunit A3	TCIRG1		GeneCard	DisGenet
469 3	Transcobalamin 1	TCN1		GeneCard	
469 4	Transcobalamin 2	TCN2		GeneCard	
469 5	T-Complex 1	TCP1		GeneCard	
469 6	T-Complex 11 Like 1	TCP11L1		GeneCard	
469 7	Tryptophan 2,3-Dioxygenase	TDO2			DisGenet
469 8	Tudor Domain Containing 9	TDRD9			DisGenet
469 9	TEA Domain Transcription Factor 1	TEAD1		GeneCard	
470 0	TEK Receptor Tyrosine Kinase	TEK		GeneCard	DisGenet
470 1	Teneurin Transmembrane Protein 2	TENM2		GeneCard	
470 2	Terminal Nucleotidyltransferase 4B	TENT4B		GeneCard	
470 3	Telomerase RNA Component	TERC		GeneCard	
470 4	Telomeric Repeat Binding Factor 1	TERF1		GeneCard	

470 5	Telomeric Repeat Binding Factor 2	TERF2		GeneCard	
470 6	TERF2 Interacting Protein	TERF2IP		GeneCard	
470 7	Telomerase Reverse Transcriptase	TERT		GeneCard	
470 8	Testin LIM Domain Protein	TES		GeneCard	
470 9	Tescalcin	TESC			DisGenet
471 0	Tet Methylcytosine Dioxygenase 2	TET2	OMIM	GeneCard	DisGenet
471 1	Tet Methylcytosine Dioxygenase 3	TET3			DisGenet
471 2	Transferrin	TF		GeneCard	
471 3	Transcription Factor A, Mitochondrial	TFAM		GeneCard	DisGenet
471 4	Transcription Factor AP-2 Alpha	TFAP2A		GeneCard	
471 5	Transcription Factor AP-2 Beta	TFAP2B		GeneCard	
471 6	Transcription Factor CP2	TFCP2		GeneCard	
471 7	Transcription Factor EB	TFEB		GeneCard	DisGenet
471 8	Trefoil Factor 3	TFF3		GeneCard	
471 9	Tissue Factor Pathway Inhibitor	TFPI		GeneCard	DisGenet
472 0	Tissue Factor Pathway Inhibitor 2	TFPI2		GeneCard	DisGenet
472 1	TCF3 Fusion Partner	TFPT		GeneCard	
472 2	Transferrin Receptor	TFRC		GeneCard	DisGenet
472 3	Thyroglobulin	TG		GeneCard	
472 4	Transforming Growth Factor Alpha	TGFA		GeneCard	

472 5	Transforming Growth Factor Beta 1	TGFB1		GeneCard	DisGenet
472 6	Transforming Growth Factor Beta 1 Induced Transcript 1	TGFB1I1		GeneCard	DisGenet
472 7	Transforming Growth Factor Beta 2	TGFB2		GeneCard	DisGenet
472 8	Transforming Growth Factor Beta 3	TGFB3		GeneCard	
472 9	Transforming Growth Factor Beta Induced	TGFB1		GeneCard	DisGenet
473 0	Transforming Growth Factor Beta Receptor 1	TGFBR1		GeneCard	
473 1	Transforming Growth Factor Beta Receptor 2	TGFBR2		GeneCard	
473 2	Transforming Growth Factor Beta Receptor 3	TGFBR3		GeneCard	DisGenet
473 3	TGFB Induced Factor Homeobox 1	TGIF1		GeneCard	
473 4	Transglutaminase 2	TGM2		GeneCard	DisGenet
473 5	Trimethylguanosine Synthase 1	TGS1		GeneCard	
473 6	Tyrosine Hydroxylase	TH		GeneCard	
473 7	Thrombomodulin	THBD		GeneCard	DisGenet
473 8	Thrombospondin 1	THBS1		GeneCard	DisGenet
473 9	Thrombospondin 2	THBS2		GeneCard	
474 0	Thrombospondin 4	THBS4		GeneCard	DisGenet
474 1	Thioesterase Superfamily Member 4	THEM4		GeneCard	
474 2	Thymoma	THM			DisGenet
474 3	THO Complex 5	THOC5		GeneCard	
474 4	Thrombopoietin	THPO		GeneCard	

474 5	Thyroid Hormone Receptor Beta	THRB		GeneCard	
474 6	Thrombospondin Type 1 Domain Containing 1	THSD1	OMIM	GeneCard	
474 7	Thrombospondin Type 1 Domain Containing 4	THSD4		GeneCard	
474 8	Thrombospondin Type 1 Domain Containing 7A	THSD7A		GeneCard	
474 9	Thy-1 Cell Surface Antigen	THY1			DisGenet
475 0	TIA1 Cytotoxic Granule Associated RNA Binding Protein	TIA1		GeneCard	
475 1	TIAM Rac1 Associated GEF 1	TIAM1		GeneCard	
475 2	TIR Domain Containing Adaptor Molecule 1	TICAM1		GeneCard	
475 3	Toll Like Receptor Adaptor Molecule 2	TICAM2			DisGenet
475 4	Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains 1	TIE1		GeneCard	DisGenet
475 5	Timeless Circadian Regulator	TIMELESS			DisGenet
475 6	TIMP Metallopeptidase Inhibitor 1	TIMP1		GeneCard	DisGenet
475 7	TIMP Metallopeptidase Inhibitor 2	TIMP2		GeneCard	
475 8	TIMP Metallopeptidase Inhibitor 3	TIMP3		GeneCard	DisGenet
475 9	TIMP Metallopeptidase Inhibitor 4	TIMP4		GeneCard	
476 0	TIMELESS Interacting Protein	TIPIN		GeneCard	
476 1	Tight Junction Protein 1	TJP1		GeneCard	
476 2	Transketolase	TKT		GeneCard	
476 3	Tousled Like Kinase 1	TLK1		GeneCard	
476 4	Tolloid Like 1	TLL1		GeneCard	



476 5	Talin 1	TLN1		GeneCard	
476 6	Talin 2	TLN2		GeneCard	
476 7	Toll Like Receptor 1	TLR1		GeneCard	DisGenet
476 8	Toll Like Receptor 10	TLR10		GeneCard	
476 9	Toll Like Receptor 2	TLR2	OMIM	GeneCard	DisGenet
477 0	Toll Like Receptor 3	TLR3		GeneCard	DisGenet
477 1	Toll Like Receptor 4	TLR4	OMIM	GeneCard	DisGenet
477 2	Toll Like Receptor 5	TLR5		GeneCard	DisGenet
477 3	Toll Like Receptor 6	TLR6		GeneCard	DisGenet
477 4	Toll Like Receptor 7	TLR7		GeneCard	DisGenet
477 5	Toll Like Receptor 8	TLR8		GeneCard	DisGenet
477 6	Toll Like Receptor 9	TLR9		GeneCard	DisGenet
477 7	TLX1 Neighbor	TLX1NB			DisGenet
477 8	Transmembrane 4 L Six Family Member 19	TM4SF19		GeneCard	
477 9	Transmembrane 4 L Six Family Member 5	TM4SF5		GeneCard	
478 0	Transmembrane 6 Superfamily Member 2	TM6SF2		GeneCard	DisGenet
478 1	Transmembrane 7 Superfamily Member 2	TM7SF2			DisGenet
478 2	Transmembrane BAX Inhibitor Motif Containing 1	TMBIM1	OMIM	GeneCard	
478 3	Transmembrane And Coiled-Coil Domains 1	TMCO1		GeneCard	
478 4	Transmembrane And Coiled-Coil Domains 5A	TMCO5A		GeneCard	

478 5	Transmembrane And Coiled-Coil Domains 5B (Pseudogene)	TMCO5B		GeneCard	
478 6	Transmembrane p24 Trafficking Protein 7	TMED7			DisGenet
478 7	TMED7-TICAM2 readthrough	TMED7-TICAM2			DisGenet
478 8	Transmembrane Protein 106B	TMEM106B		GeneCard	
478 9	Transmembrane Protein 132B	TMEM132B		GeneCard	
479 0	Transmembrane Protein 150B	TMEM150B		GeneCard	
479 1	Transmembrane Protein 161B	TMEM161B		GeneCard	
479 2	Transmembrane Protein 170A	TMEM170A		GeneCard	
479 3	Transmembrane Protein 18	TMEM18		GeneCard	DisGenet
479 4	Transmembrane Protein 199	TMEM199		GeneCard	
479 5	Transmembrane Protein 248 Pseudogene 1	TMEM248P1		GeneCard	
479 6	Transmembrane Protein 258	TMEM258		GeneCard	
479 7	Transmembrane Protein 43	TMEM43		GeneCard	
479 8	Transmembrane Protein 59	TMEM59		GeneCard	
479 9	Transmembrane Protein 68	TMEM68		GeneCard	
480 0	Transmembrane Protein 97	TMEM97		GeneCard	
480 1	Transmembrane Protein 98	TMEM98			DisGenet
480 2	Thymopoietin	TMPO		GeneCard	
480 3	Transmembrane Serine Protease 6	TMPRSS6		GeneCard	
480 4	Thymosin Beta 10	TMSB10		GeneCard	DisGenet

480 5	Thymosin Beta 4 X-Linked	TMSB4X		GeneCard	
480 6	Transmembrane O-Mannosyltransferase Targeting Cadherins 1	TMTC1		GeneCard	
480 7	Tenascin C	TNC		GeneCard	DisGenet
480 8	Tumor Necrosis Factor	TNF		GeneCard	DisGenet
480 9	TNF Alpha Induced Protein 1	TNFAIP1		GeneCard	
481 0	TNF Alpha Induced Protein 3	TNFAIP3	OMIM	GeneCard	
481 1	TNF Alpha Induced Protein 6	TNFAIP6		GeneCard	DisGenet
481 2	TNF Alpha Induced Protein 8	TNFAIP8	OMIM	GeneCard	
481 3	TNF Alpha Induced Protein 8 Like 1	TNFAIP8L1		GeneCard	DisGenet
481 4	TNF Alpha Induced Protein 8 Like 2	TNFAIP8L2			DisGenet
481 5	TNF Receptor Superfamily Member 10a	TNFRSF10A		GeneCard	
481 6	TNF Receptor Superfamily Member 10b	TNFRSF10B		GeneCard	
481 7	TNF Receptor Superfamily Member 10c	TNFRSF10C		GeneCard	
481 8	TNF Receptor Superfamily Member 11a	TNFRSF11A		GeneCard	DisGenet
481 9	TNF Receptor Superfamily Member 11b	TNFRSF11B	OMIM	GeneCard	DisGenet
482 0	TNF Receptor Superfamily Member 12A	TNFRSF12A		GeneCard	DisGenet
482 1	TNF Receptor Superfamily Member 13B	TNFRSF13B		GeneCard	
482 2	TNF Receptor Superfamily Member 13C	TNFRSF13C		GeneCard	DisGenet
482 3	TNF Receptor Superfamily Member 14	TNFRSF14		GeneCard	DisGenet
482 4	TNF Receptor Superfamily Member 17	TNFRSF17		GeneCard	

482 5	TNF Receptor Superfamily Member 18	TNFRSF18		GeneCard	
482 6	TNF Receptor Superfamily Member 1A	TNFRSF1A	OMIM	GeneCard	DisGenet
482 7	TNF Receptor Superfamily Member 1B	TNFRSF1B		GeneCard	DisGenet
482 8	TNF Receptor Superfamily Member 25	TNFRSF25		GeneCard	DisGenet
482 9	TNF Receptor Superfamily Member 4	TNFRSF4		GeneCard	DisGenet
483 0	TNF Receptor Superfamily Member 6b	TNFRSF6B		GeneCard	DisGenet
483 1	TNF Receptor Superfamily Member 9	TNFRSF9		GeneCard	DisGenet
483 2	TNF Superfamily Member 10	TNFSF10		GeneCard	DisGenet
483 3	TNF Superfamily Member 11	TNFSF11		GeneCard	DisGenet
483 4	TNF Superfamily Member 12	TNFSF12		GeneCard	DisGenet
483 5	TNFSF12-TNFSF13 readthrough	TNFSF12-TNFSF13			DisGenet
483 6	TNF Superfamily Member 13	TNFSF13		GeneCard	DisGenet
483 7	TNF Superfamily Member 13b	TNFSF13B		GeneCard	DisGenet
483 8	TNF Superfamily Member 14	TNFSF14		GeneCard	DisGenet
483 9	TNF Superfamily Member 15	TNFSF15		GeneCard	DisGenet
484 0	TNF Superfamily Member 4	TNFSF4	OMIM	GeneCard	DisGenet
484 1	TNF Superfamily Member 9	TNFSF9		GeneCard	DisGenet
484 2	TNFAIP3 Interacting Protein 1	TNIP1		GeneCard	
484 3	TNFAIP3 Interacting Protein 3	TNIP3		GeneCard	
484 4	Tankyrase	TNKS		GeneCard	

484 5	Troponin C1, Slow Skeletal And Cardiac Type	TNNC1		GeneCard	
484 6	Troponin C2, Fast Skeletal Type	TNNC2		GeneCard	
484 7	Troponin I1, Slow Skeletal Type	TNNI1		GeneCard	
484 8	Troponin I2, Fast Skeletal Type	TNNI2		GeneCard	
484 9	Troponin I3, Cardiac Type	TNNI3		GeneCard	DisGenet
485 0	TNNI3 Interacting Kinase	TNNI3K		GeneCard	
485 1	Troponin T1, Slow Skeletal Type	TNNT1		GeneCard	
485 2	Troponin T2, Cardiac Type	TNNT2		GeneCard	DisGenet
485 3	Transportin 1	TNPO1		GeneCard	
485 4	Tenascin R	TNR		GeneCard	
485 5	Tenascin XA (Pseudogene)	TNXA		GeneCard	
485 6	Tenascin XB	TNXB		GeneCard	
485 7	Toll Interacting Protein	TOLLIP		GeneCard	DisGenet
485 8	Translocase Of Outer Mitochondrial Membrane 40	TOMM40		GeneCard	
485 9	Tonsoku Like, DNA Repair Protein	TONSL		GeneCard	
486 0	DNA Topoisomerase I	TOP1		GeneCard	
486 1	TOP1 Binding Arginine/Serine Rich Protein, E3 Ubiquitin Ligase	TOPORS		GeneCard	
486 2	Torsin Family 1 Member A	TOR1A		GeneCard	
486 3	Torsin Family 2 Member A	TOR2A		GeneCard	DisGenet
486 4	Thymocyte Selection Associated High Mobility Group Box	TOX		GeneCard	

486 5	TOX High Mobility Group Box Family Member 3	TOX3		GeneCard	
486 6	Tumor Protein P53	TP53		GeneCard	DisGenet
486 7	Tumor Protein P53 Pathway Corepressor 1	TP53COR1		GeneCard	DisGenet
486 8	Tumor Protein P63	TP63		GeneCard	DisGenet
486 9	Tumor Protein P73	TP73		GeneCard	DisGenet
487 0	TP73 Antisense RNA 1	TP73-AS1		GeneCard	
487 1	Tumor Protein D52	TPD52		GeneCard	
487 2	TPD52 Like 3	TPD52L3		GeneCard	
487 3	Tryptophan Hydroxylase 1	TPH1		GeneCard	DisGenet
487 4	Triosephosphate Isomerase 1	TPI1			DisGenet
487 5	Tropomyosin 1	TPM1		GeneCard	
487 6	Tropomyosin 2	TPM2		GeneCard	DisGenet
487 7	Thyroid Peroxidase	TPO		GeneCard	DisGenet
487 8	Transmembrane Protein Adipocyte Associated 1	TPRA1		GeneCard	
487 9	Tryptase Alpha/Beta 1	TPSAB1		GeneCard	
488 0	Tyrosylprotein Sulfotransferase 1	TPST1		GeneCard	
488 1	Tyrosylprotein Sulfotransferase 2	TPST2		GeneCard	
488 2	Tumor Protein, Translationally-Controlled 1	TPT1			DisGenet
488 3	T Cell Receptor Alpha Locus	TRA		GeneCard	
488 4	TNFRSF1A Associated Via Death Domain	TRADD		GeneCard	

488 5	TNF Receptor Associated Factor 1	TRAF1		GeneCard	DisGenet
488 6	TNF Receptor Associated Factor 2	TRAF2		GeneCard	DisGenet
488 7	TNF Receptor Associated Factor 3	TRAF3		GeneCard	
488 8	TRAF3 Interacting Protein 2	TRAF3IP2			DisGenet
488 9	TNF Receptor Associated Factor 4	TRAF4		GeneCard	DisGenet
489 0	TNF Receptor Associated Factor 6	TRAF6		GeneCard	DisGenet
489 1	TNF Receptor Associated Factor 7	TRAF7		GeneCard	
489 2	Trafficking Kinesin Protein 2	TRAK2		GeneCard	
489 3	Translocation Associated Membrane Protein 1	TRAM1		GeneCard	DisGenet
489 4	T Cell Receptor Associated Transmembrane Adaptor 1	TRAT1			DisGenet
489 5	T Cell Receptor Beta Locus	TRB		GeneCard	
489 6	T cell receptor beta variable 20/OR9-2 (non-functional)	TRBV20OR9-2			DisGenet
489 7	T Cell Receptor Delta Locus	TRD		GeneCard	
489 8	Triadin	TRDN		GeneCard	
489 9	Trehalase	TREH		GeneCard	
490 0	Triggering Receptor Expressed On Myeloid Cells 1	TREM1		GeneCard	DisGenet
490 1	Triggering Receptor Expressed On Myeloid Cells 2	TREM2		GeneCard	
490 2	Triggering Receptor Expressed On Myeloid Cells Like 1	TREML1		GeneCard	
490 3	Triggering Receptor Expressed On Myeloid Cells Like 4	TREML4		GeneCard	
490 4	Three Prime Repair Exonuclease 1	TREX1		GeneCard	

490 5	T Cell Receptor Gamma Locus	TRG		GeneCard	
490 6	Thyrotropin Releasing Hormone	TRH		GeneCard	
490 7	Thyrotropin Releasing Hormone Degrading Enzyme	TRHDE		GeneCard	
490 8	Tribbles Pseudokinase 1	TRIB1		GeneCard	
490 9	Tribbles Pseudokinase 2	TRIB2		GeneCard	
491 0	Tribbles Pseudokinase 3	TRIB3		GeneCard	DisGenet
491 1	Tripartite Motif Containing 10	TRIM10		GeneCard	
491 2	Tripartite Motif Containing 11	TRIM11		GeneCard	
491 3	Tripartite Motif Containing 13	TRIM13			DisGenet
491 4	Tripartite Motif Containing 14	TRIM14		GeneCard	DisGenet
491 5	Tripartite Motif Containing 15	TRIM15		GeneCard	
491 6	Tripartite Motif Containing 21	TRIM21		GeneCard	DisGenet
491 7	Tripartite Motif Containing 24	TRIM24		GeneCard	
491 8	Tripartite Motif Containing 26	TRIM26		GeneCard	
491 9	Tripartite Motif Containing 27	TRIM27		GeneCard	
492 0	Tripartite Motif Containing 28	TRIM28		GeneCard	DisGenet
492 1	Tripartite Motif Containing 31	TRIM31		GeneCard	
492 2	Tripartite Motif Containing 40	TRIM40		GeneCard	
492 3	Tripartite Motif Containing 63	TRIM63		GeneCard	
492 4	Tripartite Motif Containing 68	TRIM68		GeneCard	



492 5	Tripartite Motif Containing 7	TRIM7		GeneCard	
492 6	Tripartite Motif Containing 9	TRIM9		GeneCard	
492 7	tRNA-Leu (anticodon TAG) 1-1	TRL-TAG1-1			DisGenet
492 8	tRNA	TRNL1			DisGenet
492 9	tRNA	TRNL2			DisGenet
493 0	Transient Receptor Potential Cation Channel Subfamily A Member 1	TRPA1		GeneCard	DisGenet
493 1	Transient Receptor Potential Cation Channel Subfamily C Member 1	TRPC1		GeneCard	DisGenet
493 2	Transient Receptor Potential Cation Channel Subfamily C Member 3	TRPC3		GeneCard	DisGenet
493 3	Transient Receptor Potential Cation Channel Subfamily C Member 4	TRPC4		GeneCard	
493 4	Transient Receptor Potential Cation Channel Subfamily C Member 4 Associated Protein	TRPC4AP		GeneCard	
493 5	Transient Receptor Potential Cation Channel Subfamily C Member 5	TRPC5		GeneCard	DisGenet
493 6	Transient Receptor Potential Cation Channel Subfamily C Member 6	TRPC6		GeneCard	DisGenet
493 7	Transient Receptor Potential Cation Channel Subfamily M Member 1	TRPM1		GeneCard	
493 8	Transient Receptor Potential Cation Channel Subfamily M Member 2	TRPM2		GeneCard	
493 9	Transient Receptor Potential Cation Channel Subfamily M Member 3	TRPM3		GeneCard	
494 0	Transient Receptor Potential Cation Channel Subfamily M Member 6	TRPM6		GeneCard	DisGenet
494 1	Transient Receptor Potential Cation Channel Subfamily M Member 7	TRPM7		GeneCard	
494 2	Transcriptional Repressor GATA Binding 1	TRPS1		GeneCard	
494 3	Transient Receptor Potential Cation Channel Subfamily V Member 1	TRPV1		GeneCard	DisGenet
494 4	Transient Receptor Potential Cation Channel Subfamily V Member 2	TRPV2		GeneCard	

494 5	Transient Receptor Potential Cation Channel Subfamily V Member 4	TRPV4		GeneCard	DisGenet
494 6	Transient Receptor Potential Cation Channel Subfamily V Member 5	TRPV5			DisGenet
494 7	Transient Receptor Potential Cation Channel Subfamily V Member 6	TRPV6		GeneCard	
494 8	Testis Expressed Basic Protein 1	TSBP1		GeneCard	
494 9	TSC Complex Subunit 1	TSC1		GeneCard	DisGenet
495 0	TSC Complex Subunit 2	TSC2		GeneCard	
495 1	Ts Translation Elongation Factor, Mitochondrial	TSFM		GeneCard	
495 2	Thyroid Stimulating Hormone Subunit Beta	TSHB		GeneCard	
495 3	Tsukushi, Small Leucine Rich Proteoglycan	TSKU		GeneCard	
495 4	Thymic Stromal Lymphopoietin	TSLP		GeneCard	DisGenet
495 5	Tetraspanin 16	TSPAN16		GeneCard	
495 6	Tetraspanin 2	TSPAN2		GeneCard	
495 7	Tetraspanin 31	TSPAN31			DisGenet
495 8	Tetraspanin 32	TSPAN32		GeneCard	
495 9	Tetraspanin 6	TSPAN6		GeneCard	
496 0	Translocator Protein	TSPO		GeneCard	DisGenet
496 1	TSPOAP1, SUPT4H1 And RNF43 Antisense RNA 1	TSPOAP1-AS1		GeneCard	
496 2	Tetratricopeptide Repeat Domain 27	TTC27		GeneCard	
496 3	Tetratricopeptide Repeat Domain 39B	TTC39B	OMIM	GeneCard	
496 4	Transcription Termination Factor 2	TTF2		GeneCard	

496 5	Tubulin Tyrosine Ligase Like 11	TTLL11		GeneCard	
496 6	Titin	TTN		GeneCard	
496 7	TTN Antisense RNA 1	TTN-AS1		GeneCard	
496 8	Alpha Tocopherol Transfer Protein	TPPA	OMIM	GeneCard	DisGenet
496 9	Transthyretin	TTR		GeneCard	DisGenet
497 0	Tubulin Alpha 1b	TUBA1B		GeneCard	
497 1	Tubulin Alpha 4a	TUBA4A		GeneCard	
497 2	Tubulin Beta Class I	TUBB		GeneCard	
497 3	Tubulin Beta 4A Class IVa	TUBB4A		GeneCard	
497 4	Tu Translation Elongation Factor, Mitochondrial	TUFM			DisGenet
497 5	Taurine Up-Regulated 1	TUG1		GeneCard	DisGenet
497 6	Tumor Suppressor Candidate 1	TUSC1		GeneCard	
497 7	Tumor Suppressor Candidate 3	TUSC3		GeneCard	
497 8	Twist Family BHLH Transcription Factor 1	TWIST1		GeneCard	DisGenet
497 9	Twinkle MtDNA Helicase	TWINK		GeneCard	
498 0	Thioredoxin	TXN		GeneCard	DisGenet
498 1	Thioredoxin Domain-Containing Protein 5	TXNDC5	OMIM		
498 2	Thioredoxin Interacting Protein	TXNIP		GeneCard	DisGenet
498 3	Thioredoxin Like 4B	TXNL4B		GeneCard	
498 4	Thioredoxin Reductase 1	TXNRD1		GeneCard	DisGenet

498 5	Thioredoxin Reductase 2	TXNRD2		GeneCard	DisGenet
498 6	Tyrosine Kinase 2	TYK2		GeneCard	
498 7	Thymidine Phosphorylase	TYMP		GeneCard	DisGenet
498 8	Thymidylate Synthetase	TYMS		GeneCard	
498 9	TYRO3 Protein Tyrosine Kinase	TYRO3		GeneCard	
499 0	Transmembrane Immune Signaling Adaptor TYROBP	TYROBP		GeneCard	DisGenet
499 1	Ubiquitin Like Modifier Activating Enzyme 1	UBA1		GeneCard	
499 2	Ubiquitin A-52 Residue Ribosomal Protein Fusion Product 1	UBA52		GeneCard	
499 3	Ubiquitin A-52 Residue Ribosomal Protein Fusion Product 1 Pseudogene 6	UBA52P6		GeneCard	
499 4	UBA Domain Containing 2	UBAC2		GeneCard	
499 5	Ubiquitin Conjugating Enzyme E2 D2	UBE2D2		GeneCard	
499 6	Ubiquitin Conjugating Enzyme E2 I	UBE2I		GeneCard	
499 7	Ubiquitin Conjugating Enzyme E2 K	UBE2K		GeneCard	
499 8	Ubiquitin Conjugating Enzyme E2 L3	UBE2L3		GeneCard	
499 9	UBE2Q2 Pseudogene 1	UBE2Q2P1		GeneCard	
500 0	Ubiquitin Conjugating Enzyme E2 Z	UBE2Z		GeneCard	DisGenet
500 1	Ubiquitination Factor E4A	UBE4A		GeneCard	
500 2	UbiA Prenyltransferase Domain Containing 1	UBIAD1		GeneCard	
500 3	Ubiquitin Like Domain Containing CTD Phosphatase 1	UBLCP1		GeneCard	
500 4	Ubiquilin 2	UBQLN2		GeneCard	

500 5	UBX Domain Protein 7	UBXN7		GeneCard	
500 6	Urothelial Cancer Associated 1	UCA1		GeneCard	DisGenet
500 7	Ubiquitin C-Terminal Hydrolase L1	UCHL1		GeneCard	
500 8	Upper Zone Of Growth Plate And Cartilage Matrix Associated	UCMA		GeneCard	
500 9	Urocortin	UCN		GeneCard	
501 0	Uncoupling Protein 1	UCP1	OMIM	GeneCard	DisGenet
501 1	Uncoupling Protein 2	UCP2		GeneCard	DisGenet
501 2	Uncoupling Protein 3	UCP3		GeneCard	
501 3	Ubiquitin Fold Modifier 1	UFM1		GeneCard	DisGenet
501 4	UDP-Glucose Ceramide Glucosyltransferase	UGCG		GeneCard	
501 5	UDP-Glucose 6-Dehydrogenase	UGDH		GeneCard	
501 6	UDP Glucuronosyltransferase Family 1 Member A Complex Locus	UGT1A		GeneCard	
501 7	UDP Glucuronosyltransferase Family 1 Member A1	UGT1A1		GeneCard	
501 8	UDP Glucuronosyltransferase Family 1 Member A10	UGT1A10		GeneCard	
501 9	UDP Glucuronosyltransferase Family 1 Member A12, Pseudogene	UGT1A12P		GeneCard	
502 0	UDP Glucuronosyltransferase Family 1 Member A3	UGT1A3		GeneCard	
502 1	UDP Glucuronosyltransferase Family 1 Member A4	UGT1A4		GeneCard	
502 2	UDP Glucuronosyltransferase Family 1 Member A5	UGT1A5		GeneCard	
502 3	UDP Glucuronosyltransferase Family 1 Member A6	UGT1A6		GeneCard	
502 4	UDP Glucuronosyltransferase Family 1 Member A7	UGT1A7		GeneCard	

502 5	UDP Glucuronosyltransferase Family 1 Member A8	UGT1A8		GeneCard	
502 6	UDP Glucuronosyltransferase Family 1 Member A9	UGT1A9		GeneCard	
502 7	UDP Glycosyltransferase Family 3 Member A1	UGT3A1		GeneCard	
502 8	Ubiquitin Like With PHD And Ring Finger Domains 2	UHRF2		GeneCard	
502 9	Ubiquitin Interaction Motif Containing 1	UIMC1		GeneCard	
503 0	Unc-51 Like Kinase 4	ULK4		GeneCard	
503 1	Uromodulin	UMOD		GeneCard	DisGenet
503 2	Unc-13 Homolog C	UNC13C		GeneCard	
503 3	Unc-5 Netrin Receptor B	UNC5B		GeneCard	DisGenet
503 4	UNC Homeobox	UNCX		GeneCard	
503 5	Uracil-DNA Glycosylase Pseudogene 1	UNGP1		GeneCard	
503 6	URB1 Ribosome Biogenesis Homolog	URB1		GeneCard	
503 7	URB2 Ribosome Biogenesis Homolog	URB2		GeneCard	
503 8	Upstream Transcription Factor 1	USF1	OMIM	GeneCard	DisGenet
503 9	Upstream Transcription Factor 2, C-Fos Interacting	USF2		GeneCard	
504 0	USO1 Vesicle Transport Factor	USO1		GeneCard	
504 1	Ubiquitin Specific Peptidase 10	USP10		GeneCard	
504 2	Ubiquitin Specific Peptidase 14	USP14		GeneCard	
504 3	Ubiquitin Specific Peptidase 15	USP15		GeneCard	
504 4	Ubiquitin Specific Peptidase 17 Like Family Member 9, Pseudogene	USP17L9P		GeneCard	

504 5	Ubiquitin Specific Peptidase 20	USP20		GeneCard	DisGenet
504 6	Ubiquitin Specific Peptidase 24	USP24		GeneCard	
504 7	Ubiquitin Specific Peptidase 3	USP3		GeneCard	
504 8	Ubiquitin Specific Peptidase 7	USP7		GeneCard	
504 9	UTP20 Small Subunit Processome Component	UTP20		GeneCard	
505 0	Utrophin	UTRN		GeneCard	DisGenet
505 1	Urotensin 2	UTS2		GeneCard	DisGenet
505 2	Urotensin 2B	UTS2B		GeneCard	DisGenet
505 3	Urotensin 2 Receptor	UTS2R		GeneCard	
505 4	UV Stimulated Scaffold Protein A	UVSSA		GeneCard	
505 5	Vesicle Associated Membrane Protein 3	VAMP3		GeneCard	
505 6	Vesicle Associated Membrane Protein 8	VAMP8		GeneCard	DisGenet
505 7	Valyl-tRNA Synthetase 1	VARS1			DisGenet
505 8	Vasohibin 1	VASH1		GeneCard	
505 9	Vasodilator Stimulated Phosphoprotein	VASP		GeneCard	
506 0	Vav Guanine Nucleotide Exchange Factor 1	VAV1		GeneCard	DisGenet
506 1	Vav Guanine Nucleotide Exchange Factor 2	VAV2		GeneCard	DisGenet
506 2	Vav Guanine Nucleotide Exchange Factor 3	VAV3			DisGenet
506 3	Vascular cell adhesion molecule-1	VCAM1	OMIM	GeneCard	DisGenet
506 4	Versican	VCAN		GeneCard	DisGenet

506 5	Vinculin	VCL		GeneCard	DisGenet
506 6	Valosin Containing Protein	VCP		GeneCard	
506 7	Vitamin D Receptor	VDR		GeneCard	DisGenet
506 8	Vascular Endothelial Growth Factor A	VEGFA	OMIM	GeneCard	DisGenet
506 9	Vascular Endothelial Growth Factor B	VEGFB		GeneCard	
507 0	Vascular Endothelial Growth Factor C	VEGFC		GeneCard	
507 1	Vascular Endothelial Growth Factor D	VEGFD		GeneCard	DisGenet
507 2	VENT Homeobox Pseudogene 2	VENTXP2		GeneCard	
507 3	Ventricular Zone Expressed PH Domain Containing 1	VEPH1		GeneCard	
507 4	Von Hippel-Lindau Tumor Suppressor	VHL		GeneCard	
507 5	Vimentin	VIM		GeneCard	DisGenet
507 6	Vasoactive Intestinal Peptide	VIP		GeneCard	DisGenet
507 7	Vitamin K Epoxide Reductase Complex Subunit 1	VKORC1		GeneCard	DisGenet
507 8	Very Low Density Lipoprotein Receptor	VLDLR		GeneCard	DisGenet
507 9	Vanin 1	VNN1			DisGenet
508 0	Vanin 3, Pseudogene	VNN3P		GeneCard	
508 1	VPS33A Core Subunit Of CORVET And HOPS Complexes	VPS33A		GeneCard	
508 2	VPS41 Subunit Of HOPS Complex	VPS41		GeneCard	
508 3	VPS51 Subunit of GARP Complex	VPS51			DisGenet
508 4	V-Set and Immunoglobulin Domain Containing 4	VSIG4		GeneCard	



508 5	V-Set Immunoregulatory Receptor	VSIR		GeneCard	
508 6	V-Set and Transmembrane Domain Containing 4	VSTM4		GeneCard	
508 7	Visual System Homeobox 1	VSX1		GeneCard	
508 8	Vitronectin	VTN		GeneCard	DisGenet
508 9	Coagulation factor VIII VWF (von Willebrand factor)	VWF	OMIM	GeneCard	DisGenet
509 0	WAPL Cohesin Release Factor	WAPL		GeneCard	
509 1	WDFY Family Member 4	WDFY4		GeneCard	
509 2	WD Repeat and HMG-box DNA Binding Protein 1	WDHD1			DisGenet
509 3	WD Repeat Domain 1	WDR1		GeneCard	DisGenet
509 4	WD Repeat Domain 11	WDR11		GeneCard	
509 5	WD Repeat Domain 20	WDR20			DisGenet
509 6	WD Repeat Domain 33	WDR33		GeneCard	
509 7	WEE2 Antisense RNA 1	WEE2-AS1		GeneCard	
509 8	WAP Four-Disulfide Core Domain 21, Pseudogene	WFDC21P		GeneCard	
509 9	WNK Lysine Deficient Protein Kinase 1	WNK1		GeneCard	DisGenet
510 0	Wnt Family Member 1	WNT1		GeneCard	
510 1	Wnt Family Member 2	WNT2		GeneCard	
510 2	Wnt Family Member 3A	WNT3A			DisGenet
510 3	Wnt Family Member 4	WNT4		GeneCard	
510 4	Wnt Family Member 5A	WNT5A		GeneCard	DisGenet

510 5	WRN RecQ Like Helicase	WRN		GeneCard	DisGenet
510 6	WRN Helicase Interacting Protein 1	WRNIP1		GeneCard	
510 7	WT1 Transcription Factor	WT1		GeneCard	
510 8	WW And C2 Domain Containing 1	WWC1		GeneCard	
510 9	WW Domain Containing Oxidoreductase	WWOX		GeneCard	
511 0	WW Domain Containing E3 Ubiquitin Protein Ligase 1	WWP1		GeneCard	
511 1	WW Domain Containing E3 Ubiquitin Protein Ligase 2	WWP2		GeneCard	
511 2	WW Domain Containing Transcription Regulator 1	WWTR1		GeneCard	DisGenet
511 3	XPA Binding Protein 2	XAB2		GeneCard	
511 4	X-Box Binding Protein 1	XBP1		GeneCard	DisGenet
511 5	X-C Motif Chemokine Ligand 1	XCL1		GeneCard	
511 6	X-C Motif Chemokine Ligand 2	XCL2		GeneCard	
511 7	Xanthine Dehydrogenase	XDH		GeneCard	DisGenet
511 8	X-Linked Inhibitor of Apoptosis	XIAP		GeneCard	DisGenet
511 9	X Inactive Specific Transcript	XIST		GeneCard	DisGenet
512 0	X-Linked Kx Blood Group	XK		GeneCard	
512 1	XK Related 4	XKR4		GeneCard	
512 2	XPA, DNA Damage Recognition and Repair Factor	XPA		GeneCard	
512 3	XPC Complex Subunit, DNA Damage Recognition and Repair Factor	XPC		GeneCard	
512 4	X-Prolyl Aminopeptidase 2	XPNPEP2		GeneCard	

512 5	Xenotropic and Polytropic Retrovirus Receptor 1	XPR1			DisGenet
512 6	X-Ray Repair Cross Complementing 1	XRCC1		GeneCard	
512 7	X-Ray Repair Cross Complementing 3	XRCC3		GeneCard	
512 8	X-Ray Repair Cross Complementing 5	XRCC5		GeneCard	
512 9	X-Ray Repair Cross Complementing 6	XRCC6		GeneCard	
513 0	XXYLT1 Antisense RNA 2	XXYLT1-AS2		GeneCard	
513 1	Xylosyltransferase 1	XYLT1		GeneCard	
513 2	Xylosyltransferase 2	XYLT2		GeneCard	
513 3	Yes1 Associated Transcriptional Regulator	YAP1		GeneCard	DisGenet
513 4	Y-Box Binding Protein 1	YBX1		GeneCard	DisGenet
513 5	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Epsilon	YWHAE		GeneCard	
513 6	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Zeta	YWHAZ		GeneCard	DisGenet
513 7	YY1 Transcription Factor	YY1		GeneCard	
513 8	Zeta Chain of T Cell Receptor Associated Protein Kinase 70	ZAP70		GeneCard	
513 9	Zinc Finger and BTB Domain Containing 16	ZBTB16		GeneCard	
514 0	Zinc Finger and BTB Domain Containing 17	ZBTB17		GeneCard	
514 1	Zinc Finger and BTB Domain Containing 20	ZBTB20		GeneCard	
514 2	Zinc Finger and BTB Domain Containing 46	ZBTB46		GeneCard	DisGenet
514 3	Zinc Finger CCCH-Type Containing 12A	ZC3H12A		GeneCard	
514 4	Zinc Finger CCCH-Type Containing 12C	ZC3H12C		GeneCard	

514 5	Zinc Finger C3HC-Type Containing 1	ZC3HC1		GeneCard	DisGenet
514 6	Zinc Finger C4H2-Type Containing 2	ZC4H2			DisGenet
514 7	ZDHHC8 Pseudogene 1	ZDHHC8P1		GeneCard	
514 8	Zinc Finger E-box Binding Homeobox 1	ZEB1			DisGenet
514 9	ZEB1 Antisense RNA 1	ZEB1-AS1		GeneCard	DisGenet
515 0	Zinc Finger E-Box Binding Homeobox 2	ZEB2		GeneCard	
515 1	ZNFX1 Antisense RNA 1	ZFAS1		GeneCard	
515 2	Zinc Finger Homeobox 3	ZFHX3		GeneCard	
515 3	ZFP36 Ring Finger Protein	ZFP36		GeneCard	DisGenet
515 4	Zinc Finger Protein, FOG Family Member 2	ZFPM2		GeneCard	
515 5	Zinc Finger FYVE-Type Containing 9	ZFYVE9		GeneCard	
515 6	Zinc Finger GATA Like Protein 1	ZGLP1			DisGenet
515 7	Zinc Finger GRF-Type Containing 1	ZGRF1		GeneCard	
515 8	Zinc Fingers And Homeoboxes 2	ZHX2		GeneCard	DisGenet
515 9	Zinc Metallopeptidase STE24	ZMPSTE24		GeneCard	DisGenet
516 0	Zinc Finger Protein 148	ZNF148			DisGenet
516 1	Zinc Finger Protein 202	ZNF202		GeneCard	DisGenet
516 2	Zinc Finger Protein 213	ZNF213		GeneCard	
516 3	ZNF213 Antisense RNA 1 (Head To Head)	ZNF213-AS1		GeneCard	
516 4	Zinc Finger Protein 23	ZNF23		GeneCard	

516 5	Zinc Finger Protein 248	ZNF248		GeneCard	
516 6	Zinc Finger Protein 263	ZNF263			DisGenet
516 7	ZNF295 Antisense RNA 1	ZNF295-AS1		GeneCard	
516 8	Zinc Finger Protein 318	ZNF318			DisGenet
516 9	Zinc Finger Protein 326	ZNF326		GeneCard	
517 0	Zinc Finger Protein 366	ZNF366		GeneCard	
517 1	Zinc Finger Protein 383	ZNF383		GeneCard	
517 2	Zinc Finger Protein 385D	ZNF385D		GeneCard	
517 3	Zinc Finger Protein 394	ZNF394		GeneCard	
517 4	Zinc Finger Protein 441	ZNF441		GeneCard	
517 5	Zinc Finger Protein 462	ZNF462		GeneCard	
517 6	Zinc Finger Protein 491	ZNF491		GeneCard	
517 7	Zinc Finger Protein 580	ZNF580		GeneCard	
517 8	Zinc Finger Protein 592	ZNF592		GeneCard	
517 9	Zinc Finger Protein 627	ZNF627		GeneCard	
518 0	Zinc Finger Protein 687	ZNF687		GeneCard	
518 1	Zinc Finger Protein 717	ZNF717		GeneCard	
518 2	Zinc Finger Family Member 788, Pseudogene	ZNF788P		GeneCard	
518 3	Zinc Finger Protein 823	ZNF823		GeneCard	
518 4	Zinc Finger Protein 844	ZNF844		GeneCard	

518 5	Zinc Finger Protein 887, Pseudogene	ZNF887P		GeneCard	
518 6	Zinc Finger HIT-Type Containing 3	ZNHIT3		GeneCard	
518 7	Zinc Ribbon Domain Containing 2	ZNRD2			DisGenet
518 8	Zona Pellucida Glycoprotein 2	ZP2		GeneCard	
518 9	Zona Pellucida Glycoprotein 3	ZP3		GeneCard	
519 0	ZPR1 Zinc Finger	ZPR1		GeneCard	
519 1	Zinc Finger RANBP2-Type Containing 3	ZRANB3		GeneCard	
519 2	Zyxin	ZYX		GeneCard	

**Supplementary Table S4: The degree value of nodes in protein–protein interaction network.**

No	Target	Degree
1.	SRC	41
2.	PIK3R1	29
3.	PIK3CA	29
4.	AKT1	29
5.	RXRA	23
6.	PTPN11	21
7.	EGFR	20
8.	ESR1	20
9.	NFKB1	17
10.	APP	14
11.	MAPK8	14
12.	STAT1	13
13.	CYP3A4	13
14.	RXRB	13
15.	AR	13
16.	CDK1	13
17.	PTK2	12
18.	SYK	12
19.	PRKCA	12
20.	PDGFRB	12
21.	IGF1R	11
22.	PTPN1	11
23.	PIK3CB	11
24.	CDK5	10
25.	KDR	10
26.	PTPN6	10
27.	GSK3B	10
28.	CDK6	10
29.	NR3C1	10
30.	RAF1	9
31.	CCNA2	9
32.	PTPN2	9
33.	F2	9
34.	CCNB1	9
35.	CYP2C19	9
36.	PRKCD	9
37.	CDK2	9
38.	INSR	8
39.	PPARG	8
40.	MET	8
41.	PPARA	8
42.	CCNB2	7

43.	PLG	7
44.	PSEN1	7
45.	TERT	7
46.	CCNE1	7
47.	HIF1A	7
48.	PIK3CG	7
49.	FLT1	7
50.	ALOX5	7
51.	NOS2	7
52.	ALOX15	6
53.	PTGS2	6
54.	ROCK2	6
55.	NCSTN	6
56.	ROCK1	6
57.	PIN1	6
58.	MAPT	6
59.	NR1H3	6
60.	CAMK2B	6
61.	KIT	6
62.	BCL2	6
63.	AURKA	6
64.	TLR4	6
65.	PTGS1	6
66.	HDAC3	5
67.	SLC9A1	5
68.	ALOX12	5
69.	PDGFRA	5
70.	HMGCR	5
71.	PIK3CD	5
72.	PARP1	5
73.	NR1H2	5
74.	CBR1	5
75.	CAPN1	5
76.	CCNT1	5
77.	AHR	5
78.	APEX1	4
79.	KDM1A	4
80.	EDNRA	4
81.	NR4A1	4
82.	APH1B	4
83.	TRIM24	4
84.	NTRK1	4
85.	MMP9	4
86.	NOS1	4
87.	HSD11B1	4



88.	CETP	4
89.	MAOB	4
90.	BACE1	4
91.	AKR1B10	4
92.	SCD	4
93.	AKR1B1	4
94.	ADAM10	4
95.	AKR1A1	3
96.	DPP4	3
97.	ESR2	3
98.	DNMT1	3
99.	PLA2G4A	3
100.	CES1	3
101.	GUSB	3
102.	PGR	3
103.	PTGES	3
104.	KEAP1	3
105.	ARG1	3
106.	EPHX1	3
107.	MGLL	3
108.	MAPK9	3
109.	PSEN2	3
110.	PSMB9	3
111.	DHFR	3
112.	CYP19A1	3
113.	PPARD	3
114.	FPR1	3
115.	MMP3	3
116.	MAOA	3
117.	LIMK1	2
118.	CFTR	2
119.	POLB	2
120.	NFE2L2	2
121.	ESRRA	2
122.	CA9	2
123.	PKN1	2
124.	CPT2	2
125.	CES2	2
126.	EPAS1	2
127.	MPO	2
128.	SERPINE1	2
129.	FABP4	2
130.	CYP17A1	2
131.	NOX4	2
132.	MYLK	2

133.	ABCB1	2
134.	S1PR3	2
135.	AOC3	2
136.	PTGER1	2
137.	ODC1	2
138.	MMP2	2
139.	NR1I2	2
140.	PDE3B	2
141.	SQLE	2
142.	CYP1B1	2
143.	CYP51A1	2
144.	C5AR1	1
145.	NLRP3	1
146.	KCNH2	1
147.	MMP13	1
148.	ALK	1
149.	ACHE	1
150.	FABP5	1
151.	F2R	1
152.	PRMT1	1
153.	PIM1	1
154.	AXL	1
155.	MMP8	1
156.	MAPKAPK2	1
157.	MMP12	1
158.	SHBG	1
159.	AKR1C4	1
160.	PRKCH	1
161.	MAP4K4	1
162.	AHCY	1
163.	TTR	1
164.	F10	1
165.	S1PR2	1
166.	CD81	1
167.	GGPS1	1
168.	TOP1	1
169.	SLC5A2	1
170.	RPS6KA5	1
171.	CA2	1
172.	KLF5	1
173.	PTPRC	1
174.	TNKS	1
175.	CTSD	1
176.	FPR2	1