

	<b>Gene Name</b>	<b>UniGene ID</b>	<b>Gene ID</b>	<b>Description</b>
1	ABCC9	Hs.446050	10060	ATP-binding cassette, sub-family C (CFTR/MRP), member 9
2	ACE	Hs.654434	1636	Angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
3	ACVR1B	Hs.438918	91	Activin A receptor, type IB
4	ACVR2A	Hs.470174	92	Activin A receptor, type IIA
5	ADA	Hs.654536	100	Adenosine deaminase
6	ADAM10	Hs.578508	102	ADAM metallopeptidase domain 10
7	ADAM17	Hs.404914	6868	ADAM metallopeptidase domain 17 (tumor necrosis factor, alpha, converting enzyme)
8	ADAM19	Hs.483944	8728	ADAM metallopeptidase domain 19 (meltrin beta)
9	ADAM9	Hs.591852	8754	ADAM metallopeptidase domain 9 (meltrin gamma)
10	ADAMDEC1	Hs.521459	27299	ADAM-like, decysin 1
11	ADIPOQ	Hs.80485	9370	Adiponectin, C1Q and collagen domain containing
12	ADSS	Hs.498313	159	Adenylosuccinate synthase
13	AICDA	Hs.149342	57379	Activation-induced cytidine deaminase
14	AIM2	Hs.281898	9447	Absent in melanoma 2
15	AIMP1	Hs.591680	9255	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
16	AKAP17A	Hs.522572	8227	A-kinase anchor protein 17A
17	AKT1	Hs.525622	207	V-akt murine thymoma viral oncogene homolog 1
18	ALAS2	Hs.522666	212	Aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)
19	AMBP	Hs.436911	259	Alpha-1-microglobulin/bikunin precursor
20	ANXA11	Hs.530291	311	Annexin A11
21	AP2A2	Hs.19121	161	Adaptor-related protein complex 2, alpha 2 subunit
22	AP2B1	Hs.514819	163	Adaptor-related protein complex 2, beta 1 subunit
23	AP2M1	Hs.518460	1173	Adaptor-related protein complex 2, mu 1 subunit
24	AP2S1	Hs.119591	1175	Adaptor-related protein complex 2, sigma 1 subunit
25	APOA1	Hs.633003	335	Apolipoprotein A-I
26	APOA2	Hs.237658	336	Apolipoprotein A-II
27	APOA4	Hs.591940	337	Apolipoprotein A-IV
28	APOBEC3F	Hs.659991	200316	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F
29	APOBEC3G	Hs.660143	60489	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G
30	APOL1	Hs.114309	8542	Apolipoprotein L, 1
31	AQP3	Hs.234642	360	Aquaporin 3 (Gill blood group)
32	AQP9	Hs.104624	366	Aquaporin 9
33	ARG1	Hs.440934	383	Arginase, liver
34	ARG2	Hs.705408	384	Arginase, type II
35	ARHGDI3	Hs.504877	397	Rho GDP dissociation inhibitor (GDI) beta
36	ARNT	Hs.632446	405	Aryl hydrocarbon receptor nuclear translocator
37	ASH2L	Hs.521530	9070	Ash2 (absent, small, or homeotic)-like (Drosophila)
38	ATP6V0A2	Hs.201939	23545	ATPase, H+ transporting, lysosomal V0 subunit a2
39	ATP6V1H	Hs.491737	51606	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H
40	ATP7A	Hs.496414	538	ATPase, Cu++ transporting, alpha polypeptide (Menkes syndrome)
41	AZU1	Hs.72885	566	Azurocidin 1 (cationic antimicrobial protein 37)
42	B9D2	Hs.567596	80776	B9 protein domain 2
43	BCAP31	Hs.522817	10134	B-cell receptor-associated protein 31
44	BCL10	Hs.193516	8915	B-cell CLL/lymphoma 10
45	BCL11A	Hs.370549	53335	B-cell CLL/lymphoma 11A (zinc finger protein)
46	BCL2	Hs.150749	596	B-cell CLL/lymphoma 2
47	BCL6	Hs.478588	604	B-cell CLL/lymphoma 6 (zinc finger protein 51)
48	BGLAP	Hs.654541	632	Bone gamma-carboxyglutamate (gla) protein (osteocalcin)
49	BLNK	Hs.665244	29760	B-cell linker
50	BMP6	Hs.285671	654	Bone morphogenetic protein 6
51	BMPR1A	Hs.524477	657	Bone morphogenetic protein receptor, type IA
52	BNIP3	Hs.144873	664	BCL2/adenovirus E1B 19kDa interacting protein 3
53	BNIP3L	Hs.131226	665	BCL2/adenovirus E1B 19kDa interacting protein 3-like
54	BPI	Hs.529019	671	Bactericidal/permeability-increasing protein
55	BST1	Hs.169998	683	Bone marrow stromal cell antigen 1
56	BST2	Hs.118110	684	Bone marrow stromal cell antigen 2
57	C1QBP	Hs.555866	708	Complement component 1, q subcomponent binding protein

58	C2	Hs.408903	717	Complement component 2
59	C3	Hs.529053	718	Complement component 3
60	C5AR1	Hs.2161	728	Complement component 5a receptor 1
61	CADM1	Hs.370510	23705	Cell adhesion molecule 1
62	CALCA	Hs.37058	796	Calcitonin/calcitonin-related polypeptide, alpha
63	CALCOCO2	Hs.514920	10241	Calcium binding and coiled-coil domain 2
64	CALR	Hs.515162	811	Calreticulin
65	CARTPT	Hs.1707	9607	CART prepropeptide
66	CGBP2	Hs.146346	1238	Chemokine binding protein 2
67	CCL1	Hs.72918	6346	Chemokine (C-C motif) ligand 1
68	CCL11	Hs.54460	6356	Chemokine (C-C motif) ligand 11
69	CCL13	Hs.414629	6357	Chemokine (C-C motif) ligand 13
70	CCL16	Hs.10458	6360	Chemokine (C-C motif) ligand 16
71	CCL17	Hs.546294	6361	Chemokine (C-C motif) ligand 17
72	CCL18	Hs.143961	6362	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
73	CCL19	Hs.50002	6363	Chemokine (C-C motif) ligand 19
74	CCL2	Hs.303649	6347	Chemokine (C-C motif) ligand 2
75	CCL20	Hs.75498	6364	Chemokine (C-C motif) ligand 20
76	CCL21	Hs.57907	6366	Chemokine (C-C motif) ligand 21
77	CCL22	Hs.534347	6367	Chemokine (C-C motif) ligand 22
78	CCL23	Hs.169191	6368	Chemokine (C-C motif) ligand 23
79	CCL24	Hs.247838	6369	Chemokine (C-C motif) ligand 24
80	CCL25	Hs.310511	6370	Chemokine (C-C motif) ligand 25
81	CCL27	Hs.459590	10850	Chemokine (C-C motif) ligand 27
82	CCL4	Hs.75703	6351	Chemokine (C-C motif) ligand 4
83	CCL5	Hs.514821	6352	Chemokine (C-C motif) ligand 5
84	CCL7	Hs.251526	6354	Chemokine (C-C motif) ligand 7
85	CCL8	Hs.699804	6355	Chemokine (C-C motif) ligand 8
86	CCR1	Hs.301921	1230	Chemokine (C-C motif) receptor 1
87	CCR10	Hs.703555	2826	Chemokine (C-C motif) receptor 10
88	CCR2	Hs.644637	1231	Chemokine (C-C motif) receptor 2
89	CCR3	Hs.506190	1232	Chemokine (C-C motif) receptor 3
90	CCR4	Hs.184926	1233	Chemokine (C-C motif) receptor 4
91	CCR5	Hs.450802	1234	Chemokine (C-C motif) receptor 5
92	CCR6	Hs.46468	1235	Chemokine (C-C motif) receptor 6
93	CCR7	Hs.370036	1236	Chemokine (C-C motif) receptor 7
94	CCR8	Hs.113222	1237	Chemokine (C-C motif) receptor 8
95	CCR9	Hs.225946	10803	Chemokine (C-C motif) receptor 9
96	CCRL1	Hs.310512	51554	Chemokine (C-C motif) receptor-like 1
97	CCRL2	Hs.535713	9034	Chemokine (C-C motif) receptor-like 2
98	CD14	Hs.163867	929	CD14 molecule
99	CD163	Hs.504641	9332	CD163 molecule
100	CD164	Hs.520313	8763	CD164 molecule, sialomucin
101	CD19	Hs.652262	930	CD19 molecule
102	CD1A	Hs.1309	909	CD1a molecule
103	CD1D	Hs.1799	912	CD1d molecule
104	CD1E	Hs.249217	913	CD1e molecule
105	CD2	Hs.523500	914	CD2 molecule
106	CD200	Hs.79015	4345	CD200 molecule
107	CD207	Hs.199731	50489	CD207 molecule, langerin
108	CD209	Hs.278694	30835	CD209 molecule
109	CD22	Hs.643440	933	CD22 molecule
110	CD226	Hs.660130	10666	CD226 molecule
111	CD24	Hs.644105	934	CD24 molecule
112	CD244	Hs.157872	51744	CD244 molecule, natural killer cell receptor 2B4
113	CD247	Hs.156445	919	CD247 molecule
114	CD27	Hs.355307	939	CD27 molecule
115	CD28	Hs.591629	940	CD28 molecule

116	CD302	Hs.130014	9936	CD302 molecule
117	CD320	Hs.558499	51293	CD320 molecule
118	CD33	Hs.83731	945	CD33 molecule
119	CD34	Hs.374990	947	CD34 molecule
120	CD3D	Hs.504048	915	CD3d molecule, delta (CD3-TCR complex)
121	CD3E	Hs.3003	916	CD3e molecule, epsilon (CD3-TCR complex)
122	CD3EAP	Hs.705916	10849	CD3e molecule, epsilon associated protein
123	CD3G	Hs.2259	917	CD3g molecule, gamma (CD3-TCR complex)
124	CD4	Hs.631659	920	CD4 molecule
125	CD40	Hs.472860	958	CD40 molecule, TNF receptor superfamily member 5
126	CD40LG	Hs.592244	959	CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome)
127	CD44	Hs.502328	960	CD44 molecule (Indian blood group)
128	CD47	Hs.446414	961	CD47 molecule
129	CD69	Hs.208854	969	CD69 molecule
130	CD7	Hs.36972	924	CD7 molecule
131	CD70	Hs.501497	970	CD70 molecule
132	CD74	Hs.436568	972	CD74 molecule, major histocompatibility complex, class II invariant chain
133	CD79A	Hs.631567	973	CD79a molecule, immunoglobulin-associated alpha
134	CD79B	Hs.89575	974	CD79b molecule, immunoglobulin-associated beta
135	CD83	Hs.654558	9308	CD83 molecule
136	CD86	Hs.171182	942	CD86 molecule
137	CD8A	Hs.85258	925	CD8a molecule
138	CD8B	Hs.405667	926	CD8b molecule
139	CD93	Hs.97199	22918	CD93 molecule
140	CD96	Hs.142023	10225	CD96 molecule
141	CD97	Hs.466039	976	CD97 molecule
142	CD99	Hs.654354	4267	CD99 molecule
143	CDC42	Hs.690198	998	Cell division cycle 42 (GTP binding protein, 25kDa)
144	CDH15	Hs.148090	1013	Cadherin 15, M-cadherin (myotubule)
145	CDK6	Hs.119882	1021	Cyclin-dependent kinase 6
146	CDKN2A	Hs.512599	1029	Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)
147	CEACAM1	Hs.512682	634	Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
148	CEACAM8	Hs.41	1088	Carcinoembryonic antigen-related cell adhesion molecule 8
149	CEBPA	Hs.699463	1050	CCAAT/enhancer binding protein (C/EBP), alpha
150	CEBPB	Hs.517106	1051	CCAAT/enhancer binding protein (C/EBP), beta
151	CEBPG	Hs.429666	1054	CCAAT/enhancer binding protein (C/EBP), gamma
152	CFB	Hs.69771	629	Complement factor B
153	CFD	Hs.155597	1675	Complement factor D (adipsin)
154	CFHR5	Hs.282594	81494	Complement factor H-related 5
155	CFP	Hs.53155	5199	Complement factor properdin
156	CHD7	Hs.20395	55636	Chromodomain helicase DNA binding protein 7
157	CHIA	Hs.128814	27159	Chitinase, acidic
158	CHIT1	Hs.201688	1118	Chitinase 1 (chitotriosidase)
159	CHRNA4	Hs.10734	1137	Cholinergic receptor, nicotinic, alpha 4
160	CHRNB2	Hs.2306	1141	Cholinergic receptor, nicotinic, beta 2 (neuronal)
161	CHST4	Hs.251383	10164	Carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4
162	CHUK	Hs.198998	1147	Conserved helix-loop-helix ubiquitous kinase
163	CIITA	Hs.701991	4261	Class II, major histocompatibility complex, transactivator
164	CKLF	Hs.15159	51192	Chemokine-like factor
165	CLEC10A	Hs.54403	10462	C-type lectin domain family 10, member A
166	CLEC11A	Hs.512680	6320	C-type lectin domain family 11, member A
167	CLEC16A	Hs.35490	23274	C-type lectin domain family 16, member A
168	CLEC1A	Hs.29549	51267	C-type lectin domain family 1, member A
169	CLEC1B	Hs.409794	51266	C-type lectin domain family 1, member B
170	CLEC2B	Hs.85201	9976	C-type lectin domain family 2, member B
171	CLEC2D	Hs.268326	29121	C-type lectin domain family 2, member D
172	CLEC3B	Hs.476092	7123	C-type lectin domain family 3, member B
173	CLEC4A	Hs.504657	50856	C-type lectin domain family 4, member A

174	CLEC4E	Hs.236516	26253	C-type lectin domain family 4, member E
175	CLEC4M	Hs.421437	10332	C-type lectin domain family 4, member M
176	CLEC5A	Hs.446235	23601	C-type lectin domain family 5, member A
177	CLEC7A	Hs.143929	64581	C-type lectin domain family 7, member A
178	CLPTM1	Hs.444441	1209	Cleft lip and palate associated transmembrane protein 1
179	CMKLR1	Hs.506659	1240	Chemokine-like receptor 1
180	CMTM6	Hs.380627	54918	CKLF-like MARVEL transmembrane domain containing 6
181	CNIH	Hs.294603	10175	Cornichon homolog (Drosophila)
182	CNR2	Hs.73037	1269	Cannabinoid receptor 2 (macrophage)
183	COL3A1	Hs.443625	1281	Collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
184	COL4A3BP	Hs.270437	10087	Collagen, type IV, alpha 3 (Goodpasture antigen) binding protein
185	COLEC12	Hs.464422	81035	Collectin sub-family member 12
186	CORO1A	Hs.415067	11151	Coronin, actin binding protein, 1A
187	CRHR1	Hs.417628	1394	Corticotropin releasing hormone receptor 1
188	CRISP3	Hs.404466	10321	Cysteine-rich secretory protein 3
189	CRP	Hs.76452	1401	C-reactive protein, pentraxin-related
190	CRTAM	Hs.159523	56253	Cytotoxic and regulatory T cell molecule
191	CSF1	Hs.591402	1435	Colony stimulating factor 1 (macrophage)
192	CSF1R	Hs.654394	1436	Colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene hom
193	CSF2	Hs.1349	1437	Colony stimulating factor 2 (granulocyte-macrophage)
194	CSF2RA	Hs.520937	1438	Colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
195	CSF2RB	Hs.592192	1439	Colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
196	CSF3	Hs.2233	1440	Colony stimulating factor 3 (granulocyte)
197	CSF3R	Hs.524517	1441	Colony stimulating factor 3 receptor (granulocyte)
198	CST7	Hs.143212	8530	Cystatin F (leukocystatin)
199	CTLA4	Hs.247824	1493	Cytotoxic T-lymphocyte-associated protein 4
200	CTSC	Hs.128065	1075	Cathepsin C
201	CTSE	Hs.701979	1510	Cathepsin E
202	CTSG	Hs.421724	1511	Cathepsin G
203	CTSS	Hs.181301	1520	Cathepsin S
204	CTSW	Hs.416848	1521	Cathepsin W
205	CX3CL1	Hs.531668	6376	Chemokine (C-X3-C motif) ligand 1
206	CX3CR1	Hs.78913	1524	Chemokine (C-X3-C motif) receptor 1
207	CXADR	Hs.705503	1525	Coxsackie virus and adenovirus receptor
208	CXCL10	Hs.632586	3627	Chemokine (C-X-C motif) ligand 10
209	CXCL11	Hs.632592	6373	Chemokine (C-X-C motif) ligand 11
210	CXCL12	Hs.522891	6387	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)
211	CXCL13	Hs.100431	10563	Chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant)
212	CXCL14	Hs.483444	9547	Chemokine (C-X-C motif) ligand 14
213	CXCL2	Hs.590921	2920	Chemokine (C-X-C motif) ligand 2
214	CXCL3	Hs.89690	2921	Chemokine (C-X-C motif) ligand 3
215	CXCL5	Hs.89714	6374	Chemokine (C-X-C motif) ligand 5
216	CXCL6	Hs.164021	6372	Chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)
217	CXCL9	Hs.77367	4283	Chemokine (C-X-C motif) ligand 9
218	CXCR1	Hs.194778	3577	Chemokine (C-X-C motif) receptor 1
219	CXCR2	Hs.846	3579	Chemokine (C-X-C motif) receptor 2
220	CXCR3	Hs.198252	2833	Chemokine (C-X-C motif) receptor 3
221	CXCR4	Hs.593413	7852	Chemokine (C-X-C motif) receptor 4
222	CXCR5	Hs.113916	643	Chemokine (C-X-C motif) receptor 5
223	CXCR6	Hs.34526	10663	Chemokine (C-X-C motif) receptor 6
224	CXCR7	Hs.471751	57007	Chemokine (C-X-C motif) receptor 7
225	CYBA	Hs.513803	1535	Cytochrome b-245, alpha polypeptide
226	CYBB	Hs.292356	1536	Cytochrome b-245, beta polypeptide (chronic granulomatous disease)
227	CYP11B1	Hs.184927	1584	Cytochrome P450, family 11, subfamily B, polypeptide 1
228	CYSLTR2	Hs.253706	57105	Cysteinyl leukotriene receptor 2
229	DCAF15	Hs.443636	90379	DDB1- and CUL4-associated factor 15
230	DDOST	Hs.523145	1650	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase
231	DEFB4A	Hs.740237	100289462	Defensin beta 4A

232	DHRS2	Hs.272499	10202	Dehydrogenase/reductase (SDR family) member 2
233	DMBT1	Hs.279611	1755	Deleted in malignant brain tumors 1
234	DOCK2	Hs.586174	1794	Dedicator of cytokinesis 2
235	DPP4	Hs.368912	1803	Dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein 2)
236	DPP8	Hs.591106	54878	Dipeptidyl-peptidase 8
237	DYRK3	Hs.164267	8444	Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
238	EBI3	Hs.501452	10148	Epstein-Barr virus induced gene 3
239	EDA	Hs.105407	1896	Ectodysplasin A
240	EDA2R	Hs.302017	60401	Ectodysplasin A2 receptor
241	EDAR	Hs.171971	10913	Ectodysplasin A receptor
242	EDN1	Hs.511899	1906	Endothelin 1
243	EDN2	Hs.1407	1907	Endothelin 2
244	EDN3	Hs.1408	1908	Endothelin 3
245	EDNRB	Hs.82002	1910	Endothelin receptor type B
246	EGF	Hs.419815	1950	Epidermal growth factor (beta-urogastrone)
247	EGFR	Hs.488293	1956	Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
248	ELF4	Hs.271940	2000	E74-like factor 4 (ets domain transcription factor)
249	EPHB6	Hs.380089	2051	EPH receptor B6
250	ERAP1	Hs.436186	51752	Endoplasmic reticulum aminopeptidase 1
251	ERAP2	Hs.591249	64167	Endoplasmic reticulum aminopeptidase 2
252	ERBB2	Hs.446352	2064	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog
253	ERBB3	Hs.118681	2065	V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
254	ERBB4	Hs.390729	2066	V-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)
255	EREG	Hs.115263	2069	Epiregulin
256	ETS1	Hs.369438	2113	V-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
257	EXOSC9	Hs.91728	5393	Exosome component 9
258	F12	Hs.1321	2161	Coagulation factor XII (Hageman factor)
259	FAS	Hs.244139	355	Fas (TNF receptor superfamily, member 6)
260	FASLG	Hs.2007	356	Fas ligand (TNF superfamily, member 6)
261	FCAR	Hs.659872	2204	Fc fragment of IgA, receptor for
262	FCGR1B	Hs.534956	2210	Fc fragment of IgG, high affinity Ib, receptor (CD64)
263	FCGR2A	Hs.352642	2212	Fc fragment of IgG, low affinity IIa, receptor (CD32)
264	FCGR2B	Hs.654395	2213	Fc fragment of IgG, low affinity IIb, receptor (CD32)
265	FCGR2C	Hs.705497	9103	Fc fragment of IgG, low affinity IIc, receptor for (CD32)
266	FCGR3B	Hs.694258	2215	Fc fragment of IgG, low affinity IIIb, receptor for (CD16)
267	FCGRT	Hs.111903	2217	Fc fragment of IgG, receptor, transporter, alpha
268	FCN1	Hs.440898	2219	Ficolin (collagen/fibrinogen domain containing) 1
269	FCN2	Hs.54517	2220	Ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)
270	FGF1	Hs.483635	2246	Fibroblast growth factor 1 (acidic)
271	FGF12	Hs.584758	2257	Fibroblast growth factor 12
272	FGF13	Hs.6540	2258	Fibroblast growth factor 13
273	FGF14	Hs.696392	2259	Fibroblast growth factor 14
274	FGF16	Hs.666364	8823	Fibroblast growth factor 16
275	FGF17	Hs.248192	8822	Fibroblast growth factor 17
276	FGF18	Hs.87191	8817	Fibroblast growth factor 18
277	FGF2	Hs.284244	2247	Fibroblast growth factor 2 (basic)
278	FGF20	Hs.199905	26281	Fibroblast growth factor 20
279	FGF21	Hs.283015	26291	Fibroblast growth factor 21
280	FGF22	Hs.248087	27006	Fibroblast growth factor 22
281	FGF23	Hs.287370	8074	Fibroblast growth factor 23
282	FGF3	Hs.37092	2248	Fibroblast growth factor 3 (murine mammary tumor virus integration site (v-int-2) oncogene homolog)
283	FGF5	Hs.37055	2250	Fibroblast growth factor 5
284	FGF6	Hs.166015	2251	Fibroblast growth factor 6
285	FGF7	Hs.567268	2252	Fibroblast growth factor 7 (keratinocyte growth factor)
286	FGF8	Hs.57710	2253	Fibroblast growth factor 8 (androgen-induced)
287	FGF9	Hs.111	2254	Fibroblast growth factor 9 (glia-activating factor)
288	FGFR1	Hs.264887	2260	Fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)
289	FGFR2	Hs.533683	2263	Fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, c

290	FGFR3	Hs.1420	2261	Fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
291	FGFR4	Hs.165950	2264	Fibroblast growth factor receptor 4
292	FIGF	Hs.11392	2277	C-fos induced growth factor (vascular endothelial growth factor D)
293	FKBP1A	Hs.471933	2280	FK506 binding protein 1A, 12kDa
294	FLT3	Hs.507590	2322	Fms-related tyrosine kinase 3
295	FLT4	Hs.646917	2324	Fms-related tyrosine kinase 4
296	FOXO3	Hs.220950	2309	Forkhead box O3
297	FOXP3	Hs.247700	50943	Forkhead box P3
298	FTH1	Hs.524910	2495	Ferritin, heavy polypeptide 1
299	FUT4	Hs.390420	2526	Fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
300	FUT9	Hs.49117	10690	Fucosyltransferase 9 (alpha (1,3) fucosyltransferase)
301	FYB	Hs.370503	2533	FYN binding protein (FYB-120/130)
302	FYN	Hs.390567	2534	FYN oncogene related to SRC, FGR, YES
303	G6PD	Hs.461047	2539	Glucose-6-phosphate dehydrogenase
304	GALNT2	Hs.654649	2590	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)
305	GBP2	Hs.386567	2634	Guanylate binding protein 2, interferon-inducible
306	GCH1	Hs.86724	2643	GTP cyclohydrolase 1 (dopa-responsive dystonia)
307	GEM	Hs.654463	2669	GTP binding protein overexpressed in skeletal muscle
308	GFRA2	Hs.441202	2675	GDNF family receptor alpha 2
309	GLMN	Hs.49105	11146	Glomulin, FKBP associated protein
310	GNL1	Hs.83147	2794	Guanine nucleotide binding protein-like 1
311	GNLY	Hs.105806	10578	Granulysin
312	GPI	Hs.466471	2821	Glucose phosphate isomerase
313	GPR183	Hs.784	1880	G-protein coupled receptor 183
314	GPR44	Hs.299567	11251	G protein-coupled receptor 44
315	GPR65	Hs.513440	8477	G protein-coupled receptor 65
316	GTPBP1	Hs.276925	9567	GTP binding protein 1
317	GZMA	Hs.90708	3001	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
318	GZMB	Hs.1051	3002	Granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)
319	GZMH	Hs.348264	2999	Granzyme H (cathepsin G-like 2, protein h-CCPX)
320	GZMK	Hs.277937	3003	Granzyme K (granzyme 3; tryptase II)
321	GZMM	Hs.465511	3004	Granzyme M (lymphocyte met-ase 1)
322	HAMP	Hs.8821	57817	Hepcidin antimicrobial peptide
323	HCLS1	Hs.14601	3059	Hematopoietic cell-specific Lyn substrate 1
324	HDAC4	Hs.20516	9759	Histone deacetylase 4
325	HDAC5	Hs.438782	10014	Histone deacetylase 5
326	HDAC7	Hs.200063	51564	Histone deacetylase 7
327	HDAC9	Hs.196054	9734	Histone deacetylase 9
328	HELLS	Hs.655830	3070	Helicase, lymphoid-specific
329	HGF	Hs.396530	3082	Hepatocyte growth factor (hepapoietin A; scatter factor)
330	HIF1A	Hs.597216	3091	Hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
331	HIF1AN	Hs.500788	55662	Hypoxia-inducible factor 1, alpha subunit inhibitor
332	HIF3A	Hs.420830	64344	Hypoxia inducible factor 3, alpha subunit
333	HLA-A	Hs.181244	3105	Major histocompatibility complex, class I, A
334	HLA-B	Hs.77961	3106	Major histocompatibility complex, class I, B
335	HLA-C	Hs.449621	3107	Major histocompatibility complex, class I, C
336	HLA-DPA1	Hs.347270	3113	Major histocompatibility complex, class II, DP alpha 1
337	HLA-DQA1	Hs.387679	3117	Major histocompatibility complex, class II, DQ alpha 1
338	HLA-DQB1	Hs.409934	3119	Major histocompatibility complex, class II, DQ beta 1
339	HLA-DQB2	Hs.731563	3120	Major histocompatibility complex, class II, DQ beta 2
340	HLA-DRA	Hs.520048	3122	Major histocompatibility complex, class II, DR alpha
341	HLA-E	Hs.650174	3133	Major histocompatibility complex, class I, E
342	HLA-F	Hs.519972	3134	Major histocompatibility complex, class I, F
343	HLA-G	Hs.512152	3135	HLA-G histocompatibility antigen, class I, G
344	HMGB1	Hs.434102	3146	High-mobility group box 1
345	HMOX1	Hs.517581	3162	Heme oxygenase (decycling) 1
346	HRH2	Hs.247885	3274	Histamine receptor H2
347	HSP90AA1	Hs.523560	3320	Heat shock protein 90kDa alpha (cytosolic), class A member 1

348	HSP90AB1	Hs.509736	3326	Heat shock protein 90kDa alpha (cytosolic), class B member 1
349	HSPA1A	Hs.520028	3303	Heat shock 70kDa protein 1A
350	HSPD1	Hs.595053	3329	Heat shock 60kDa protein 1 (chaperonin)
351	ICAM1	Hs.643447	3383	Intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
352	ICOS	Hs.56247	29851	Inducible T-cell co-stimulator
353	ICOSLG	Hs.14155	23308	Inducible T-cell co-stimulator ligand
354	IDO1	Hs.840	3620	Indoleamine 2,3-dioxygenase 1
355	IFI16	Hs.380250	3428	Interferon, gamma-inducible protein 16
356	IFI35	Hs.632258	3430	Interferon-induced protein 35
357	IFI6	Hs.511731	2537	Interferon, alpha-inducible protein 6
358	IFITM2	Hs.458414	10581	Interferon induced transmembrane protein 2 (1-8D)
359	IFITM3	Hs.374650	10410	Interferon induced transmembrane protein 3 (1-8U)
360	IFNA1	Hs.37026	3439	Interferon, alpha 1
361	IFNA10	Hs.282275	3446	Interferon, alpha 10
362	IFNA14	Hs.93907	3448	Interferon, alpha 14
363	IFNA16	Hs.56303	3449	Interferon, alpha 16
364	IFNA17	Hs.282276	3451	Interferon, alpha 17
365	IFNA2	Hs.211575	3440	Interferon, alpha 2
366	IFNA21	Hs.113211	3452	Interferon, alpha 21
367	IFNA4	Hs.1510	3441	Interferon, alpha 4
368	IFNA5	Hs.37113	3442	Interferon, alpha 5
369	IFNA6	Hs.533470	3443	Interferon, alpha 6
370	IFNA7	Hs.282274	3444	Interferon, alpha 7
371	IFNA8	Hs.73890	3445	Interferon, alpha 8
372	IFNAR1	Hs.529400	3454	Interferon (alpha, beta and omega) receptor 1
373	IFNAR2	Hs.701988	3455	Interferon (alpha, beta and omega) receptor 2
374	IFNB1	Hs.93177	3456	Interferon, beta 1, fibroblast
375	IFNG	Hs.856	3458	Interferon, gamma
376	IFNGR1	Hs.520414	3459	Interferon gamma receptor 1
377	IFNGR2	Hs.634632	3460	Interferon gamma receptor 2 (interferon gamma transducer 1)
378	IFNW1	Hs.73010	3467	Interferon, omega 1
379	IGF1R	Hs.643120	3480	Insulin-like growth factor 1 receptor
380	IGF2R	Hs.487062	3482	Insulin-like growth factor 2 receptor
381	IGFBP3	Hs.450230	3486	Insulin-like growth factor binding protein 3
382	IGHA1	Hs.648398	3493	Immunoglobulin heavy constant alpha 1
383	IGHD	Hs.510635	3495	Immunoglobulin heavy constant delta
384	IGHM	-	3507	Immunoglobulin heavy constant mu
385	IGJ	Hs.700610	3512	Immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides
386	IGKV4-1	-	28908	Immunoglobulin kappa variable 4-1
387	IGLL1	Hs.348935	3543	Immunoglobulin lambda-like polypeptide 1
388	IGSF6	Hs.530902	10261	Immunoglobulin superfamily, member 6
389	IK	Hs.421245	3550	IK cytokine, down-regulator of HLA II
390	IKBKAP	Hs.494738	8518	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein
391	IKBKE	Hs.321045	9641	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
392	IKBKG	Hs.43505	8517	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
393	IL10	Hs.193717	3586	Interleukin 10
394	IL10RA	Hs.504035	3587	Interleukin 10 receptor, alpha
395	IL10RB	Hs.654593	3588	Interleukin 10 receptor, beta
396	IL11	Hs.467304	3589	Interleukin 11
397	IL11RA	Hs.591088	3590	Interleukin 11 receptor, alpha
398	IL12A	Hs.673	3592	Interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)
399	IL12B	Hs.674	3593	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
400	IL12RB1	Hs.567294	3594	Interleukin 12 receptor, beta 1
401	IL12RB2	Hs.479347	3595	Interleukin 12 receptor, beta 2
402	IL13	Hs.845	3596	Interleukin 13
403	IL13RA1	Hs.496646	3597	Interleukin 13 receptor, alpha 1
404	IL13RA2	Hs.336046	3598	Interleukin 13 receptor, alpha 2
405	IL15	Hs.654378	3600	Interleukin 15

406	IL15RA	Hs.524117	3601	Interleukin 15 receptor, alpha
407	IL16	Hs.459095	3603	Interleukin 16 (lymphocyte chemoattractant factor)
408	IL17A	Hs.41724	3605	Interleukin 17A
409	IL17B	Hs.156979	27190	Interleukin 17B
410	IL17RA	Hs.129751	23765	Interleukin 17 receptor A
411	IL17RB	Hs.654970	55540	Interleukin 17 receptor B
412	IL17RC	Hs.129959	84818	Interleukin 17 receptor C
413	IL18	Hs.83077	3606	Interleukin 18 (interferon-gamma-inducing factor)
414	IL18R1	Hs.469521	8809	Interleukin 18 receptor 1
415	IL18RAP	Hs.158315	8807	Interleukin 18 receptor accessory protein
416	IL19	Hs.661017	29949	Interleukin 19
417	IL1A	Hs.1722	3552	Interleukin 1, alpha
418	IL1B	Hs.126256	3553	Interleukin 1, beta
419	IL1F6	Hs.278910	27179	Interleukin 1 family, member 6 (epsilon)
420	IL1F7	Hs.166371	27178	Interleukin 1 family, member 7 (zeta)
421	IL1R1	Hs.701982	3554	Interleukin 1 receptor, type I
422	IL1R2	Hs.25333	7850	Interleukin 1 receptor, type II
423	IL1RAP	Hs.478673	3556	Interleukin 1 receptor accessory protein
424	IL1RAPL1	Hs.658912	11141	Interleukin 1 receptor accessory protein-like 1
425	IL1RAPL2	Hs.675519	26280	Interleukin 1 receptor accessory protein-like 2
426	IL1RL1	Hs.66	9173	Interleukin 1 receptor-like 1
427	IL1RL2	Hs.659863	8808	Interleukin 1 receptor-like 2
428	IL1RN	Hs.81134	3557	Interleukin 1 receptor antagonist
429	IL2	Hs.89679	3558	Interleukin 2
430	IL20RA	Hs.445868	53832	Interleukin 20 receptor, alpha
431	IL21	Hs.567559	59067	Interleukin 21
432	IL21R	Hs.210546	50615	Interleukin 21 receptor
433	IL22	Hs.287369	50616	Interleukin 22
434	IL22RA1	Hs.110915	58985	Interleukin 22 receptor, alpha 1
435	IL23A	Hs.98309	51561	Interleukin 23, alpha subunit p19
436	IL24	Hs.58831	11009	Interleukin 24
437	IL25	Hs.302036	64806	Interleukin 25
438	IL26	Hs.272350	55801	Interleukin 26
439	IL27RA	Hs.132781	9466	Interleukin 27 receptor, alpha
440	IL2RA	Hs.231367	3559	Interleukin 2 receptor, alpha
441	IL2RB	Hs.474787	3560	Interleukin 2 receptor, beta
442	IL2RG	Hs.84	3561	Interleukin 2 receptor, gamma (severe combined immunodeficiency)
443	IL3	Hs.694	3562	Interleukin 3 (colony-stimulating factor, multiple)
444	IL32	Hs.943	9235	Interleukin 32
445	IL33	Hs.348390	90865	Interleukin 33
446	IL3RA	Hs.632790	3563	Interleukin 3 receptor, alpha (low affinity)
447	IL4	Hs.73917	3565	Interleukin 4
448	IL4R	Hs.513457	3566	Interleukin 4 receptor
449	IL5	Hs.2247	3567	Interleukin 5 (colony-stimulating factor, eosinophil)
450	IL5RA	Hs.68876	3568	Interleukin 5 receptor, alpha
451	IL6	Hs.654458	3569	Interleukin 6 (interferon, beta 2)
452	IL6R	Hs.695954	3570	Interleukin 6 receptor
453	IL6ST	Hs.532082	3572	Interleukin 6 signal transducer (gp130, oncostatin M receptor)
454	IL7	Hs.591873	3574	Interleukin 7
455	IL7R	Hs.591742	3575	Interleukin 7 receptor
456	IL8	Hs.624	3576	Interleukin 8
457	IL9	Hs.960	3578	Interleukin 9
458	INHHA	Hs.407506	3623	Inhibin, alpha
459	INHBA	Hs.583348	3624	Inhibin, beta A
460	INS	Hs.654579	3630	Insulin
461	IRF1	Hs.436061	3659	Interferon regulatory factor 1
462	IRF4	Hs.401013	3662	Interferon regulatory factor 4
463	IRF8	Hs.137427	3394	Interferon regulatory factor 8



464	ITGA4	Hs.694732	3676	Integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
465	ITGAE	Hs.513867	3682	Integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)
466	ITGAL	Hs.174103	3683	Integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)
467	ITGAM	Hs.172631	3684	Integrin, alpha M (complement component 3 receptor 3 subunit)
468	ITGAX	Hs.248472	3687	Integrin, alpha X (complement component 3 receptor 4 subunit)
469	ITGB1	Hs.695946	3688	Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
470	ITGB2	Hs.375957	3689	Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
471	ITGB7	Hs.654470	3695	Integrin, beta 7
472	ITIH1	Hs.420257	3697	Inter-alpha (globulin) inhibitor H1
473	JAG1	Hs.224012	182	Jagged 1 (Alagille syndrome)
474	JAG2	Hs.433445	3714	Jagged 2
475	KDR	Hs.479756	3791	Kinase insert domain receptor (a type III receptor tyrosine kinase)
476	KIF13B	Hs.444767	23303	Kinesin family member 13B
477	KIR2DL1	Hs.654605	3802	Killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1
478	KIR2DL2	-	3803	Killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2
479	KIR2DL3	Hs.731378	3804	Killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3
480	KIR2DL4	Hs.651287	3805	Killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
481	KIR2DL5A	Hs.676464	57292	Killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 5A
482	KIR2DS1	Hs.720721	3806	Killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1
483	KIR2DS3	-	3808	Killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3
484	KIR2DS4	Hs.654608	3809	Killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4
485	KIR3DL1	Hs.645228	3811	Killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1
486	KIR3DL3	Hs.645224	115653	Killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 3
487	KIR3DS1	Hs.659860	3813	Killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1
488	KIT	Hs.479754	3815	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
489	KITLG	Hs.1048	4254	KIT ligand
490	KLF6	Hs.4055	1316	Kruppel-like factor 6
491	KLRB1	Hs.169824	3820	Killer cell lectin-like receptor subfamily B, member 1
492	KLRC3	Hs.654362	3823	Killer cell lectin-like receptor subfamily C, member 3
493	KLRC4	Hs.665704	8302	Killer cell lectin-like receptor subfamily C, member 4
494	KLRD1	Hs.562457	3824	Killer cell lectin-like receptor subfamily D, member 1
495	KLRF1	Hs.183125	51348	Killer cell lectin-like receptor subfamily F, member 1
496	KLRG1	Hs.558446	10219	Killer cell lectin-like receptor subfamily G, member 1
497	KLRK1	Hs.387787	22914	Killer cell lectin-like receptor subfamily K, member 1
498	KRT1	Hs.80828	3848	Keratin 1 (epidermolytic hyperkeratosis)
499	KYNU	Hs.470126	8942	Kynureninase (L-kynurenine hydrolase)
500	LAG3	Hs.409523	3902	Lymphocyte-activation gene 3
501	LAIR1	Hs.572535	3903	Leukocyte-associated immunoglobulin-like receptor 1
502	LAIR2	Hs.43803	3904	Leukocyte-associated immunoglobulin-like receptor 2
503	LAMP3	Hs.518448	27074	Lysosomal-associated membrane protein 3
504	LAT2	Hs.647049	7462	Linker for activation of T cells family, member 2
505	LAX1	Hs.272794	54900	Lymphocyte transmembrane adaptor 1
506	LBP	Hs.154078	3929	Lipopolysaccharide binding protein
507	LCK	Hs.470627	3932	Lymphocyte-specific protein tyrosine kinase
508	LCP2	Hs.304475	3937	Lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
509	LDB1	Hs.702266	8861	LIM domain binding 1
510	LIF	Hs.2250	3976	Leukemia inhibitory factor (cholinergic differentiation factor)
511	LIFR	Hs.133421	3977	Leukemia inhibitory factor receptor alpha
512	LIG1	Hs.1770	3978	Ligase I, DNA, ATP-dependent
513	LIG3	Hs.100299	3980	Ligase III, DNA, ATP-dependent
514	LIG4	Hs.166091	3981	Ligase IV, DNA, ATP-dependent
515	LILRA1	Hs.710507	11024	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 1
516	LILRA2	Hs.655593	11027	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 2
517	LILRA3	Hs.113277	11026	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3
518	LILRA4	Hs.406708	23547	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 4
519	LILRA5	Hs.710986	353514	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 5
520	LILRA6	Hs.688335	79168	Leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 6
521	LILRB1	Hs.655593	10859	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1

522	LILRB2	Hs.655652	10288	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2
523	LILRB3	Hs.631592	11025	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
524	LILRB4	Hs.67846	11006	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4
525	LILRB5	Hs.655338	10990	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5
526	LOC254896	Hs.735240	254896	Uncharacterized LOC254896
527	LOC91316	Hs.148656	91316	Similar to bK246H3.1 (immunoglobulin lambda-like polypeptide 1, pre-B-cell specific)
528	LTA	Hs.36	4049	Lymphotoxin alpha (TNF superfamily, member 1)
529	LTB	Hs.376208	4050	Lymphotoxin beta (TNF superfamily, member 3)
530	LTB4R	Hs.655431	1241	Leukotriene B4 receptor
531	LTB4R2	Hs.642693	56413	Leukotriene B4 receptor 2
532	LTBR	Hs.1116	4055	Lymphotoxin beta receptor (TNFR superfamily, member 3)
533	LTF	Hs.529517	4057	Lactotransferrin
534	LY75	Hs.153563	4065	Lymphocyte antigen 75
535	LY86	Hs.653138	9450	Lymphocyte antigen 86
536	LY9	Hs.403857	4063	Lymphocyte antigen 9
537	LYN	Hs.699154	4067	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog
538	LYST	Hs.532411	1130	Lysosomal trafficking regulator
539	MADCAM1	Hs.102598	8174	Mucosal vascular addressin cell adhesion molecule 1
540	MAFB	Hs.702085	9935	V-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)
541	MAG	Hs.348346	27307	Malignancy-associated gene
542	MALT1	Hs.601217	10892	Mucosa associated lymphoid tissue lymphoma translocation gene 1
543	MAP3K7	Hs.644143	6885	Mitogen-activated protein kinase kinase kinase 7
544	MAP4K2	Hs.534341	5871	Mitogen-activated protein kinase kinase kinase 2
545	MASP1	Hs.89983	5648	Mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
546	MASP2	Hs.655645	10747	Mannan-binding lectin serine peptidase 2
547	MBL2	Hs.499674	4153	Mannose-binding lectin (protein C) 2, soluble (opsonic defect)
548	MBP	Hs.551713	4155	Myelin basic protein
549	MEIS3P1	Hs.356135	4213	Meis homeobox 3 pseudogene 1
550	MET	Hs.132966	4233	Met proto-oncogene (hepatocyte growth factor receptor)
551	MIA3	Hs.118474	375056	Melanoma inhibitory activity family, member 3
552	MICA	Hs.549053	4276	MHC class I polypeptide-related sequence A
553	MICB	Hs.211580	4277	MHC class I polypeptide-related sequence B
554	MIF	Hs.407995	4282	Macrophage migration inhibitory factor (glycosylation-inhibiting factor)
555	MLF1	Hs.85195	4291	Myeloid leukemia factor 1
556	MLL	Hs.258855	4297	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)
557	MMP7	Hs.2256	4316	Matrix metalloproteinase 7 (matrilysin, uterine)
558	MMP9	Hs.297413	4318	Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
559	MNX1	Hs.37035	3110	Motor neuron and pancreas homeobox 1
560	MR1	Hs.101840	3140	Major histocompatibility complex, class I-related
561	MS4A1	Hs.438040	931	Membrane-spanning 4-domains, subfamily A, member 1
562	MS4A2	Hs.386748	2206	Membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor 1)
563	MSH2	Hs.597656	4436	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
564	MSN	Hs.87752	4478	Moesin
565	MSR1	Hs.147635	4481	Macrophage scavenger receptor 1
566	MYD88	Hs.82116	4615	Myeloid differentiation primary response gene (88)
567	MYH9	Hs.474751	4627	Myosin, heavy chain 9, non-muscle
568	MYST1	Hs.533803	84148	MYST histone acetyltransferase 1
569	MYST3	Hs.491577	7994	MYST histone acetyltransferase (monocytic leukemia) 3
570	NCAM1	Hs.503878	4684	Neural cell adhesion molecule 1
571	NCF1C	Hs.648940	654817	Neutrophil cytosolic factor 1C pseudogene
572	NCF2	Hs.587558	4688	Neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)
573	NCF4	Hs.474781	4689	Neutrophil cytosolic factor 4, 40kDa
574	NCK1	Hs.477693	4690	NCK adaptor protein 1
575	NCK2	Hs.695241	8440	NCK adaptor protein 2
576	NCOA6	Hs.368971	23054	Nuclear receptor coactivator 6
577	NCR1	Hs.97084	9437	Natural cytotoxicity triggering receptor 1
578	NCR2	Hs.194721	9436	Natural cytotoxicity triggering receptor 2
579	NCR3	Hs.509513	259197	Natural cytotoxicity triggering receptor 3

580	NFIL3	Hs.79334	4783	Nuclear factor, interleukin 3 regulated
581	NGF	Hs.2561	4803	Nerve growth factor (beta polypeptide)
582	NGFR	Hs.415768	4804	Nerve growth factor receptor (TNFR superfamily, member 16)
583	NHEJ1	Hs.225988	79840	Nonhomologous end-joining factor 1
584	NKX2-5	Hs.54473	1482	NK2 transcription factor related, locus 5 (Drosophila)
585	NOD2	Hs.592072	64127	Nucleotide-binding oligomerization domain containing 2
586	NOS1	Hs.654410	4842	Nitric oxide synthase 1 (neuronal)
587	NOS2	Hs.709191	4843	Nitric oxide synthase 2, inducible
588	NOS3	Hs.699165	4846	Nitric oxide synthase 3 (endothelial cell)
589	NOTCH1	Hs.495473	4851	Notch homolog 1, translocation-associated (Drosophila)
590	NOTCH2	Hs.487360	4853	Notch homolog 2 (Drosophila)
591	NOTCH4	Hs.436100	4855	Notch homolog 4 (Drosophila)
592	NPM1	Hs.557550	4869	Nucleophosmin (nucleolar phosphoprotein B23, numatrin)
593	NPTN	Hs.187866	27020	Neuroplastin
594	ODZ1	Hs.23796	10178	Odz, odd Oz/ten-m homolog 1(Drosophila)
595	OPRD1	Hs.372	4985	Opioid receptor, delta 1
596	OPRK1	Hs.106795	4986	Opioid receptor, kappa 1
597	PAX5	Hs.654464	5079	Paired box 5
598	PDCD1	Hs.158297	5133	Programmed cell death 1
599	PDCD1LG2	Hs.532279	80380	Programmed cell death 1 ligand 2
600	PDGFA	Hs.705381	5154	Platelet-derived growth factor alpha polypeptide
601	PDGFB	Hs.1976	5155	Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
602	PDGFC	Hs.570855	56034	Platelet derived growth factor C
603	PDGFD	Hs.352298	80310	Platelet derived growth factor D
604	PDGFRA	Hs.74615	5156	Platelet-derived growth factor receptor, alpha polypeptide
605	PDGFRB	Hs.509067	5159	Platelet-derived growth factor receptor, beta polypeptide
606	PF4	Hs.81564	5196	Platelet factor 4 (chemokine (C-X-C motif) ligand 4)
607	PF4V1	Hs.72933	5197	Platelet factor 4 variant 1
608	PGF	Hs.252820	5228	Placental growth factor, vascular endothelial growth factor-related protein
609	PGLYRP1	Hs.137583	8993	Peptidoglycan recognition protein 1
610	PGLYRP4	Hs.58356	57115	Peptidoglycan recognition protein 4
611	PGRMC1	Hs.90061	10857	Progesterone receptor membrane component 1
612	PLA2G1B	Hs.992	5319	Phospholipase A2, group IB (pancreas)
613	PLUNC	Hs.211092	51297	Palate, lung and nasal epithelium carcinoma associated
614	PMF1	Hs.530479	11243	Polyamine-modulated factor 1
615	PML	Hs.526464	5371	Promyelocytic leukemia
616	PNP	Hs.75514	4860	Purine nucleoside phosphorylase
617	POLL	Hs.523230	27343	Polymerase (DNA directed), lambda
618	POU2AF1	Hs.654525	5450	POU class 2 associating factor 1
619	POU2F2	Hs.654420	5452	POU class 2 homeobox 2
620	PPARG	Hs.162646	5468	Peroxisome proliferator-activated receptor gamma
621	PPBP	Hs.2164	5473	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
622	PRDX3	Hs.523302	10935	Peroxiredoxin 3
623	PRF1	Hs.2200	5551	Perforin 1 (pore forming protein)
624	PRG3	Hs.251386	10394	Proteoglycan 3
625	PRKRA	Hs.632540	8575	Protein kinase, interferon-inducible double stranded RNA dependent activator
626	PRLR	Hs.368587	5618	Prolactin receptor
627	PROS1	Hs.64016	5627	Protein S (alpha)
628	PSMB10	Hs.9661	5699	Proteasome (prosome, macropain) subunit, beta type, 10
629	PTAFR	Hs.77542	5724	Platelet-activating factor receptor
630	PTCRA	Hs.169002	171558	Pre T-cell antigen receptor alpha
631	PTGER4	Hs.199248	5734	Prostaglandin E receptor 4 (subtype EP4)
632	PTGS2	Hs.196384	5743	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
633	PTPRC	Hs.654514	5788	Protein tyrosine phosphatase, receptor type, C
634	PVR	Hs.171844	5817	Poliovirus receptor
635	PVRL1	Hs.334846	5818	Poliovirus receptor-related 1 (herpesvirus entry mediator C)
636	PVRL2	Hs.655455	5819	Poliovirus receptor-related 2 (herpesvirus entry mediator B)
637	PXDN	Hs.332197	7837	Peroxidasin homolog (Drosophila)

638	RAG1	Hs.73958	5896	Recombination activating gene 1
639	RAG2	Hs.159376	5897	Recombination activating gene 2
640	RARA	Hs.654583	5914	Retinoic acid receptor, alpha
641	RBP4	Hs.50223	5950	Retinol binding protein 4, plasma
642	RELA	Hs.502875	5970	V-rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene
643	RFX1	Hs.655215	5989	Regulatory factor X, 1 (influences HLA class II expression)
644	RGS1	Hs.75256	5996	Regulator of G-protein signaling 1
645	RHOH	Hs.654594	399	Ras homolog gene family, member H
646	ROCK1	Hs.306307	6093	Rho-associated, coiled-coil containing protein kinase 1
647	RPS14	Hs.381126	6208	Ribosomal protein S14
648	RPS19	Hs.438429	6223	Ribosomal protein S19
649	RSAD2	Hs.17518	91543	Radical S-adenosyl methionine domain containing 2
650	RTKL1	Hs.730810	51750	Regulator of telomere elongation helicase 1
651	RUNX1	Hs.149261	861	Runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)
652	S100A7	Hs.112408	6278	S100 calcium binding protein A7
653	S100A8	Hs.416073	6279	S100 calcium binding protein A8
654	S100A9	Hs.112405	6280	S100 calcium binding protein A9
655	S1PR4	Hs.662006	8698	Sphingosine-1-phosphate receptor 4
656	SAMHD1	Hs.580681	25939	SAM domain and HD domain 1
657	SART1	Hs.502883	9092	Squamous cell carcinoma antigen recognized by T cells
658	SBNO2	Hs.408708	22904	Strawberry notch homolog 2 (Drosophila)
659	SCARB2	Hs.349656	950	Scavenger receptor class B, member 2
660	SCG2	Hs.516726	7857	Secretogranin II (chromogranin C)
661	SCIN	Hs.655515	85477	Scinderin
662	SDF2	Hs.514036	6388	Stromal cell-derived factor 2
663	SDF4	Hs.42806	51150	Stromal cell derived factor 4
664	SECTM1	Hs.558009	6398	Secreted and transmembrane 1
665	SEMA3C	Hs.269109	10512	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
666	SEMA4D	Hs.655281	10507	Sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic dom
667	SEMA7A	Hs.24640	8482	Semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
668	SERPINB3	Hs.227948	6317	Serpin peptidase inhibitor, clade B (ovalbumin), member 3
669	SERPINB4	Hs.123035	6318	Serpin peptidase inhibitor, clade B (ovalbumin), member 4
670	SFTPD	Hs.253495	6441	Surfactant, pulmonary-associated protein D
671	SIGLEC1	Hs.31869	6614	Sialic acid binding Ig-like lectin 1, sialoadhesin
672	SIGLEC5	Hs.310333	8778	Sialic acid binding Ig-like lectin 5
673	SIGLEC6	Hs.397255	946	Sialic acid binding Ig-like lectin 6
674	SIGLEC7	Hs.699304	27036	Sialic acid binding Ig-like lectin 7
675	SIGLEC8	Hs.447899	27181	Sialic acid binding Ig-like lectin 8
676	SIGLEC9	Hs.245828	27180	Sialic acid binding Ig-like lectin 9
677	SIRPG	Hs.590883	55423	Signal-regulatory protein gamma
678	SIT1	Hs.88012	27240	Signaling threshold regulating transmembrane adaptor 1
679	SIVA1	Hs.112058	10572	SIVA1, apoptosis-inducing factor
680	SKAP1	Hs.316931	8631	Src kinase associated phosphoprotein 1
681	SLAMF7	Hs.517265	57823	SLAM family member 7
682	SLC11A1	Hs.591607	6556	Solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1
683	SMAD3	Hs.618504	4088	SMAD family member 3
684	SMAD6	Hs.153863	4091	SMAD family member 6
685	SNRK	Hs.476052	54861	SNF related kinase
686	SOCS5	Hs.468426	9655	Suppressor of cytokine signaling 5
687	SOD1	Hs.443914	6647	Superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))
688	SOX4	Hs.699195	6659	SRY (sex determining region Y)-box 4
689	SP100	Hs.369056	6672	SP100 nuclear antigen
690	SP2	Hs.514276	6668	Sp2 transcription factor
691	SPG21	Hs.242458	51324	Spastic paraplegia 21 (autosomal recessive, Mast syndrome)
692	SPI1	Hs.502511	6688	Spleen focus forming virus (SFFV) proviral integration oncogene spi1
693	SPINK5	Hs.331555	11005	Serine peptidase inhibitor, Kazal type 5
694	ST6GAL1	Hs.207459	6480	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1
695	SYK	Hs.371720	6850	Spleen tyrosine kinase

696	TAP1	Hs.352018	6890	Transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
697	TAP2	Hs.502	6891	Transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
698	TAPBP	Hs.370937	6892	TAP binding protein (tapasin)
699	TARBP2	Hs.326	6895	TAR (HIV-1) RNA binding protein 2
700	TAZ	Hs.409911	6901	Tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)
701	TBX1	Hs.173984	6899	T-box 1
702	TBX21	Hs.272409	30009	T-box 21
703	TCF12	Hs.511504	6938	Transcription factor 12 (HTF4, helix-loop-helix transcription factors 4)
704	TCF3	Hs.371282	6929	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)
705	TCF7	Hs.573153	6932	Transcription factor 7 (T-cell specific, HMG-box)
706	TGFA	Hs.170009	7039	Transforming growth factor, alpha
707	TGFB1	Hs.645227	7040	Transforming growth factor, beta 1
708	TGFB2	Hs.133379	7042	Transforming growth factor, beta 2
709	TGFB3	Hs.592317	7043	Transforming growth factor, beta 3
710	TGFBR1	Hs.494622	7046	Transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)
711	TGFBR2	Hs.82028	7048	Transforming growth factor, beta receptor II (70/80kDa)
712	TGFBR3	Hs.482390	7049	Transforming growth factor, beta receptor III
713	THBS1	Hs.164226	7057	Thrombospondin 1
714	THY1	Hs.653181	7070	Thy-1 cell surface antigen
715	TLR1	Hs.621817	7096	Toll-like receptor 1
716	TLR2	Hs.519033	7097	Toll-like receptor 2
717	TLR3	Hs.657724	7098	Toll-like receptor 3
718	TLR4	Hs.174312	7099	Toll-like receptor 4
719	TLR5	Hs.604542	7100	Toll-like receptor 5
720	TLR6	Hs.662185	10333	Toll-like receptor 6
721	TLR7	Hs.659215	51284	Toll-like receptor 7
722	TLR8	Hs.660543	51311	Toll-like receptor 8
723	TM7SF4	Hs.652230	81501	Transmembrane 7 superfamily member 4
724	TMX1	Hs.125221	81542	Thioredoxin-related transmembrane protein 1
725	TNF	Hs.241570	7124	Tumor necrosis factor (TNF superfamily, member 2)
726	TNFAIP1	Hs.76090	7126	Tumor necrosis factor, alpha-induced protein 1 (endothelial)
727	TNFRSF10B	Hs.521456	8795	Tumor necrosis factor receptor superfamily, member 10b
728	TNFRSF10C	Hs.655801	8794	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
729	TNFRSF10D	Hs.213467	8793	Tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain
730	TNFRSF11A	Hs.204044	8792	Tumor necrosis factor receptor superfamily, member 11a, NFkB activator
731	TNFRSF11B	Hs.81791	4982	Tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)
732	TNFRSF12A	Hs.355899	51330	Tumor necrosis factor receptor superfamily, member 12A
733	TNFRSF13B	Hs.158341	23495	Tumor necrosis factor receptor superfamily, member 13B
734	TNFRSF14	Hs.512898	8764	Tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)
735	TNFRSF17	Hs.2556	608	Tumor necrosis factor receptor superfamily, member 17
736	TNFRSF1A	Hs.279594	7132	Tumor necrosis factor receptor superfamily, member 1A
737	TNFRSF1B	Hs.256278	7133	Tumor necrosis factor receptor superfamily, member 1B
738	TNFRSF21	Hs.443577	27242	Tumor necrosis factor receptor superfamily, member 21
739	TNFRSF25	Hs.462529	8718	Tumor necrosis factor receptor superfamily, member 25
740	TNFRSF4	Hs.129780	7293	Tumor necrosis factor receptor superfamily, member 4
741	TNFRSF8	Hs.1314	943	Tumor necrosis factor receptor superfamily, member 8
742	TNFRSF9	Hs.654459	3604	Tumor necrosis factor receptor superfamily, member 9
743	TNFSF10	Hs.478275	8743	Tumor necrosis factor (ligand) superfamily, member 10
744	TNFSF11	Hs.333791	8600	Tumor necrosis factor (ligand) superfamily, member 11
745	TNFSF12	Hs.54673	8742	Tumor necrosis factor (ligand) superfamily, member 12
746	TNFSF13	Hs.54673	8741	Tumor necrosis factor (ligand) superfamily, member 13
747	TNFSF14	Hs.129708	8740	Tumor necrosis factor (ligand) superfamily, member 14
748	TNFSF15	Hs.241382	9966	Tumor necrosis factor (ligand) superfamily, member 15
749	TNFSF18	Hs.248197	8995	Tumor necrosis factor (ligand) superfamily, member 18
750	TNFSF4	Hs.181097	7292	Tumor necrosis factor (ligand) superfamily, member 4 (tax-transcriptionally activated glycoprotein 1, 3)
751	TNFSF8	Hs.654445	944	Tumor necrosis factor (ligand) superfamily, member 8
752	TNFSF9	Hs.1524	8744	Tumor necrosis factor (ligand) superfamily, member 9
753	TOLLIP	Hs.368527	54472	Toll interacting protein

754	TPD52	Hs.368433	7163	Tumor protein D52
755	TRAF2	Hs.522506	7186	TNF receptor-associated factor 2
756	TRAF6	Hs.591983	7189	TNF receptor-associated factor 6
757	TRAT1	Hs.138701	50852	T cell receptor associated transmembrane adaptor 1
758	TRBC1	-	28639	T cell receptor beta constant 1
759	TREM1	Hs.283022	54210	Triggering receptor expressed on myeloid cells 1
760	TREM2	Hs.435295	54209	Triggering receptor expressed on myeloid cells 2
761	TRGV5	-	6978	T cell receptor gamma variable 5
762	TRIM10	Hs.274295	10107	Tripartite motif-containing 10
763	TRIM22	Hs.501778	10346	Tripartite motif-containing 22
764	TRPC4AP	Hs.168073	26133	Transient receptor potential cation channel, subfamily C, member 4 associated protein
765	TUBB	Hs.636480	203068	Tubulin, beta
766	TUBB2C	Hs.433615	10383	Tubulin, beta 2C
767	TUBB3	Hs.511743	10381	Tubulin, beta 3
768	TXLNA	Hs.699306	200081	Taxilin alpha
769	TYROBP	Hs.515369	7305	TYRO protein tyrosine kinase binding protein
770	UBE2N	Hs.524630	7334	Ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)
771	ULBP2	Hs.656778	80328	UL16 binding protein 2
772	VAMP7	Hs.24167	6845	Vesicle-associated membrane protein 7
773	VCAM1	Hs.109225	7412	Vascular cell adhesion molecule 1
774	VEGFA	Hs.73793	7422	Vascular endothelial growth factor A
775	VEGFB	Hs.78781	7423	Vascular endothelial growth factor B
776	VEGFC	Hs.435215	7424	Vascular endothelial growth factor C
777	VIPR1	Hs.348500	7433	Vasoactive intestinal peptide receptor 1
778	VPREB1	Hs.247979	7441	Pre-B lymphocyte gene 1
779	VTCN1	Hs.546434	79679	V-set domain containing T cell activation inhibitor 1
780	VTN	Hs.2257	7448	Vitronectin
781	WAS	Hs.2157	7454	Wiskott-Aldrich syndrome (eczema-thrombocytopenia)
782	XBP1	Hs.437638	7494	X-box binding protein 1
783	XCL1	Hs.546295	6375	Chemokine (C motif) ligand 1
784	XCR1	Hs.248116	2829	Chemokine (C motif) receptor 1
785	YTHDF2	Hs.532286	51441	YTH domain family, member 2
786	ZAP70	Hs.234569	7535	Zeta-chain (TCR) associated protein kinase 70kDa
787	ZBTB16	Hs.591945	7704	Zinc finger and BTB domain containing 16
788	ZEB1	Hs.124503	6935	Zinc finger E-box binding homeobox 1
789	ZNF160	Hs.655967	90338	Zinc finger protein 160
790	ZNF3	Hs.435302	7551	Zinc finger protein 3
791	ZNF675	Hs.264345	171392	Zinc finger protein 675

**Supplementary Table 1: List of IA genes.**

Gene	Probe	p value Step-cox	p value quartile method	p value classical cox	6-IA gene- Risk
<b>ACVR2A</b>	<b>205327_s_at</b>	<b>&lt;1.0E-4</b>	<b>1.53E-4</b>	<b>1.3E-3</b>	<b>yes</b>
<b>ARG1</b>	<b>206177_s_at</b>	<b>&lt;1.0E-4</b>	<b>1.99E-3</b>		<b>yes</b>
<b>CD22</b>	<b>204581_at</b>	<b>&lt;1.0E-4</b>	<b>&lt;1.0E-4</b>	<b>3.8E-3</b>	<b>yes</b>
<b>FGF2</b>	<b>204422_s_at</b>		<b>3.39E-3</b>	<b>4.9E-3</b>	<b>yes</b>
<b>MNX1</b>	<b>214614_at</b>	<b>&lt;1.0E-4</b>	<b>4.88E-3</b>	<b>4.0E-4</b>	<b>yes</b>
<b>RPS19</b>	<b>213414_s_at</b>		<b>3.87E-4</b>		<b>yes</b>
ADAMDEC1	206134_at	<1.0E-4			
ADIPOQ	207175_at	<1.0E-4			
BCL11A	219497_s_at			9.8E-4	
BLNK	207655_s_at			3.7E-3	
BMPR1A	213578_at		<1.0E-4		
BNIP3L	221478_at		3.95E-3		
C1QBP	214214_s_at		9.47E-3		
C5AR1	220088_at	<1.0E-4			
CALCA	217495_x_at		1.87E-3		
CARTPT	206339_at		4.65E-4		
CCBP2	206887_at			7.2E-3	
CCL15	210390_s_at	9.0E-4			
CCL17	207900_at	<1.0E-4	5.79E-3		
CCR10	220565_at	<1.0E-4			
CD19	206398_s_at	<1.0E-4			
CD1E	215784_at	<1.0E-4			
CD247	210031_at		3.34E-3		
CD70	206508_at		1.86E-3		
CD79B	205297_s_at		9.43E-3		
CDKN2A	211156_at	<1.0E-4			
CFP	206380_s_at			8.7E-3	
CHIT1	208168_s_at			4.4E-3	
CLEC10A	206682_at	1.4E-3			
CRHR1	214619_at		5.94E-4		
CSF1	209716_at;				
	207082_at;			1.6E-3	
	211839_s_at				
CSF1R	203104_at			1.7E-3	
CSF2RA	210340_s_at			4.7E-3	
CTSG	205653_at	<1.0E-4			
CX3CL1	203687_at;				
	823_at			7.4E-4	
CX3CR1	205898_at			1.5E-3	
CXADR	203917_at			7.7E-3	
CXCL11	211122_s_at	2.0E-3			
CXCR4	217028_at	2.0E-4			

DHRS2	214079_at	<1.0E-4		
EDNRB	204271_s_at		<1.0E-4	7.2E-3
ERAP1	214012_at		6.89E-3	
EXOSC9	205061_s_at			6.0E-3
CD89	211307_s_at	6.0E-4		
FCGR1B/ C	214511_x_at		9.67E-3	
FCGRT	218831_s_at			8.1E-3
FGF12	214589_at		8.49E-3	
FGF17	221376_at	<1.0E-4		
FGFR2	208225_at			3.6E-3
FOXO3	217399_s_at			9.0E-3
FYN	216033_s_at	<1.0E-4		
GPR183	205419_at	3.62 E-3		
HDAC9	205659_at	<1.0E-4		
HGF	210998_s_at	<1.0E-4		
HIF1A	200989_at		1.46E-3	
HMGB1	200679_x_at		9.37E-3	
HSP90AA1	211969_at	<1.0E-4		
ICOSLG	213450_s_at	<1.0E-4		
IGHD/IGHG1	215621_s_at	<1.0E-4		
IGLL1	213502_x_at	<1.0E-4		
IGSF6	206420_at		6.12E-3	
IKBKG	36004_at		8.49E-3	
IL1B	205067_at			5.1E-3
IL21R	221658_s_at		3.89E-3	7.6E-3
IL33	209821_at		9.55E-3	
IL4	207539_s_at	<1.0E-4		
IL5	207952_at	<1.0E-4	5.60E-3	
IL6ST	204863_s_at		3.77E-3	7.2E-3
INHBA	210511_s_at	4.0E-4		
JAG2	209784_s_at		5.33E-3	
KIR2DL1	208179_x_at	<1.0E-4		
KIR2DL4	208426_x_at	<1.0E-4		
KIR3DL3	216676_x_at	<1.0E-4		
LDB1	35160_at		5.53E-3	
LTB4R	216388_s_at	<1.0E-4		
LYN	210754_s_at; 202625_at			4.6E-3
MAP4K2	204936_at		<1.0E-4	
MET	203510_at		4.22E-3	
MS4A1	217418_x_at		6.27E-3	
MYST3	216361_s_at	<1.0E-4		
NCF1B	214084_x_at	<1.0E-4		
NCK1	211063_s_at	<1.0E-4	<1.0E-4	
NOS2A	210037_s_at	<1.0E-4		
PDGFC	218718_at		1.14E-3	2.3E-3



PML	211013_x_at	2.45E-3	1.92E-3	
POU2F2	211771_s_at	<1.0E-4		
PPARG	208510_s_at	<1.0E-4		
PTCRA	211837_s_at	<1.0E-4		
RBP4	219140_s_at		2.78E-3	
RELA	209878_s_at			7.4E-3
RPS14	208645_s_at		7.73E-3	
S1PR4	206437_at	<1.0E-4		
SCYE1	202541_at		2.53E-3	
SERPINB4	211906_s_at	<1.0E-4		
SMAD3	218284_at			3.9E-3
TAPBP	210294_at		2.54E-3	
TGFB1	203084_at		6.74E-3	
TM7SF4	221266_s_at	<1.0E-4		
TNFRSF25	211841_s_at		1.65E-4	
TNFRSF6B	206092_x_at		5.32E-3	
TNFSF12/ 13	205611_at		8.34E-3	8.6E-3
TPD52	201688_s_at	<1.0E-4		
TRIM10	210579_s_at	<1.0E-4		
TUBB3/2C	202154_x_at	<1.0E-4		
ULBP2	221291_at	<1.0E-4	2.44E-3	
VEGFC	209946_at	<1.0E-4		
VTCN1	219768_at	<1.0E-4		
ZEB1	212758_s_at		<1.0E-4	

**Supplementary Table 2:** IA genes associated with survival in the 3 statistical methods.