Supplemental material Table I: Genes upregulated after stimulation with SEI and SEB.

Gene Symbol[a]	Gene Title	NCBI Accession No	probe set ID	SEI		SEB	
				mean fold change[b]	FDR	mean fold change[b]	FDR
IL2	interleukin 2	NM_000586	207849_at	318.4	< 0.0001	166.1	< 0.0001
CXCL9	chemokine (C-X-C motif) ligand 9	NM_002416	203915_at	196.5	< 0.0001	159.8	< 0.0001
UBD	ubiquitin D	NM_006398	205890_s_at	175.7	< 0.0001	122.1	< 0.0001
IFNG	interferon, gamma	M29383	210354_at	165.8	< 0.0001	127.2	< 0.0001
CXCL11[c]	chemokine (C-X-C motif) ligand 11	AF030514	210163_at	112.7	< 0.0001	90.2	< 0.0001
IL22[c]	interleukin 22	AF279437	222974_at	109.3	< 0.0001	65.0	< 0.0001
ANKRD22[c]	ankyrin repeat domain 22	AI925518	238439_at	106.2	< 0.0001	89.3	< 0.0001
IL17A	interleukin 17A	Z58820	216876_s_at	98.5	< 0.0001	57.0	< 0.0001
IL31RA[c]	interleukin 31 receptor A	AI123586	243541_at	74.3	< 0.0001	46.7	< 0.0001
FAM26F[c]	family with sequence similarity 26, member F	AV734646	229390_at	50.6	< 0.0001	37.5	< 0.0001
CXCL10	chemokine (C-X-C motif) ligand 10	NM_001565	204533_at	45.6	< 0.0001	47.3	< 0.0001
IL3	interleukin 3 (colony-stimulating factor, multiple)	NM_000588	207906_at	45.6	< 0.0001	22.4	< 0.0001
SLAMF8[c]	SLAM family member 8	NM_020125	219386_s_at	38.9	< 0.0001	33.5	< 0.0001
LOC729936	Similar to guanylate binding protein 3	BC013288	1570541_s_at	35.6	< 0.0001	38.7	< 0.0001
XCL1 /// XCL2	chemokine (C motif) ligand 1 /// chemokine (C motif) ligand 2	NM_003175	214567_s_at	26.4	< 0.0001	17.1	< 0.0001
SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	NM_000062	200986_at	26.0	< 0.0001	21.7	< 0.0001
SUCNR1	succinate receptor 1	AF348078	223939_at	25.2	< 0.0001	13.0	< 0.0001
IL27	interleukin 27	NM_145659	1552995_at	24.9	< 0.0001	15.4	< 0.0001
XCL2	chemokine (C motif) ligand 2	U23772	206366_x_at	23.8	< 0.0001	16.3	< 0.0001
APOL4	apolipoprotein L, 4	AF305226	1555600_s_at	22.2	< 0.0001	19.2	< 0.0001
FCGR1B	Fc fragment of IgG, high affinity Ib, receptor (CD64)	L03419	214511_x_at	18.6	< 0.0001	17.8	< 0.0001
FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	X14355	216950_s_at	16.9	< 0.0001	15.7	< 0.0001
SECTM1	secreted and transmembrane 1	BF939675	213716_s_at	16.8	< 0.0001	13.1	< 0.0001
CCL8	chemokine (C-C motif) ligand 8	AI984980	214038_at	15.7	< 0.0001	14.5	< 0.0001
ZBED2	zinc finger, BED-type containing 2	NM_024508	219836_at	15.5	< 0.0001	8.0	0.0006
IL17F	interleukin 17F	AL034343	234408_at	15.0	< 0.0001	10.9	< 0.0001
BATF2	basic leucine zipper transcription factor, ATF-like 2	AW083820	228439_at	14.7	< 0.0001	15.2	< 0.0001
GBP5[c]	guanylate binding protein 5	BG545653	229625_at	14.4	< 0.0001	16.5	< 0.0001
ETV7[c]	ets variant gene 7 (TEL2 oncogene)	AF218365	224225_s_at	14.3	< 0.0001	11.9	< 0.0001
---	Transcribed locus, weakly similar to XP_001117086.1 similar to Olfactory receptor 10T2 (Olfactory receptor OR1-3) [Macaca mulatta]	AI694413	235229_at	14.0	< 0.0001	11.0	0.0001
PEG10[c]	paternally expressed 10	AL582836	212094_at	12.7	0.0002	7.4	0.0004
IL21	interleukin 21	NM_021803	221271_at	11.6	< 0.0001	6.4	0.0005
CD40LG	CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome)	NM_000074	207892_at	10.2	0.0002	6.2	0.0005
DACT1	dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis)	NM_016651	219179_at	10.1	0.0002	6.8	0.0005
XCL1	chemokine (C motif) ligand 1	NM_002995	206365_at	10.1	0.0004	6.9	0.0006
GBP1[c]	guanylate binding protein 1, interferon-inducible, 67kDa	AW014593	231578_at	9.2	0.0003	10.0	< 0.0001
APOL6[c]	apolipoprotein L, 6	AW026509	241869_at	9.0	0.0010	8.2	0.0014
LTA	lymphotoxin alpha (TNF superfamily, member 1)	NM_000595	206975_at	8.9	0.0004	7.7	0.0005
CISH[c]	cytokine inducible SH2-containing protein	D83532	223961_s_at	8.4	0.0005	7.8	0.0004

IL4[c]	interleukin 4	NM_000589	207538_at	8.2	0.0003	4.6	0.0018
NDFIP2[c]	Nedd4 family interacting protein 2	AW290956	224799_at	7.8	0.0005	3.2	0.0162
PDCD1LG2[c]	programmed cell death 1 ligand 2	AF329193	224399_at	7.7	0.0006	5.3	0.0015
KCTD12[c]	potassium channel tetramerisation domain containing 12	AA551075	212188_at	7.6	0.0004	6.8	0.0004
LOC730249	similar to Immune-responsive protein 1	BG236136	240287_at	7.2	0.0006	7.2	0.0004
EGR1[c]	Early growth response 1	AI459194	227404_s_at	7.2	0.0005	6.8	0.0004
MUC1	mucin 1, cell surface associated	AI610869	213693_s_at	7.0	0.0007	5.8	0.0014
GOLM1	golgi membrane protein 1	NM_016548	217771_at	6.7	0.0009	4.7	0.0016
---	CDNA: FLJ20968 fis, clone ADSU00702	AK024621	1561738_at	6.6	0.0008	9.6	0.0001
ENPP3[c]	Ectonucleotide pyrophosphatase/phosphodiesterase 3	AV691872	244044_at	6.6	0.0013	5.0	0.0017
GBP4[c]	guanylate binding protein 4	AW392952	235574_at	6.6	0.0007	5.1	0.0010
CEACAM1[c]	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	X16354	209498_at	6.6	0.0006	5.5	0.0009
CD200R1	CD200 receptor 1	NM_138939	1552875_a_at	6.4	0.0007	3.7	0.0050
PTGER3[c]	prostaglandin E receptor 3 (subtype EP3)	AW242315	213933_at	6.2	0.0008	4.8	0.0016
JAK2[c]	Janus kinase 2 (a protein tyrosine kinase)	BC043187	1562031_at	6.1	0.0013	6.9	0.0005
WARS[c]	tryptophanyl-tRNA synthetase	M61715	200628_s_at	6.0	0.0010	4.9	0.0014
SLAMF1[c]	signaling lymphocytic activation molecule family member 1	NM_003037	206181_at	6.0	0.0013	3.2	0.0128
CD200[c]	CD200 molecule	AF063591	209583_s_at	5.9	0.0012	2.7	0.0461
VAMP5	vesicle-associated membrane protein 5 (myobrevin)	NM_006634	204929_s_at	5.9	0.0013	4.6	0.0018
HAPLN3	hyaluronan and proteoglycan link protein 3	BE348293	227262_at	5.9	0.0013	4.4	0.0025
APOL3	apolipoprotein L, 3	NM_014349	221087_s_at	5.8	0.0013	4.7	0.0017
CSF2	colony stimulating factor 2 (granulocyte-macrophage)	M11734	210229_s_at	5.8	0.0012	4.1	0.0036
NR4A1	nuclear receptor subfamily 4, group A, member 1	NM_002135	202340_x_at	5.6	0.0022	5.8	0.0008
PRRG4[c]	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)	NM_024081	207291_at	5.6	0.0018	5.1	0.0015
APOL1	apolipoprotein L, 1	AF323540	209546_s_at	5.6	0.0015	3.7	0.0064
FCGR2B /// FCGR2C	Fc fragment of IgG, low affinity IIb, receptor (CD32) /// Fc fragment of IgG, low affinity IIc, receptor for (CD32)	M31933	210889_s_at	5.4	0.0037	3.8	0.0146
P2RX7	purinergic receptor P2X, ligand-gated ion channel, 7	NM_002562	207091_at	5.3	0.0021	4.5	0.0019
LINCR	likely ortholog of mouse lung-inducible Neutralized-related C3HC4 RING domain protein	AL389981	232593_at	5.3	0.0019	4.6	0.0019
CD40[c]	CD40 molecule, TNF receptor superfamily member 5	NM_001250	205153_s_at	5.3	0.0020	3.8	0.0044
CD69	CD69 molecule	L07555	209795_at	5.2	0.0021	4.4	0.0021
FGD2	FYVE, RhoGEF and PH domain containing 2	AK024456	215602_at	5.2	0.0021	3.9	0.0044
TAGAP[c]	T-cell activation GTPase activating protein	NM_138810	1552541_at	5.1	0.0022	3.6	0.0072
---	Full length insert cDNA clone YT87E05	AF085978	1561654_at	5.1	0.0024	4.5	0.0019
CTLA4[c]	cytotoxic T-lymphocyte-associated protein 4	AI733018	236341_at	5.0	0.0025	3.4	0.0082
CRTAM	cytotoxic and regulatory T cell molecule	NM_019604	206914_at	5.0	0.0035	4.4	0.0029
FRMD4B	FERM domain containing 4B	AU145019	213056_at	4.9	0.0030	4.0	0.0036
KREMEN1[c]	kringle containing transmembrane protein 1	BF221745	227250_at	4.9	0.0031	4.8	0.0014
SAMD4A[c]	sterile alpha motif domain containing 4A	AB028976	212845_at	4.9	0.0028	3.3	0.0141
---	---	BE466400	241237_at	4.8	0.0036	5.1	0.0014
---	---	BF439675	237009_at	4.8	0.0031	3.5	0.0077
KLF4[c]	Kruppel-like factor 4 (gut)	NM_004235	220266_s_at	4.7	0.0051	5.2	0.0013
ARNT2	aryl-hydrocarbon receptor nuclear translocator 2	NM_014862	202986_at	4.7	0.0034	4.0	0.0038

BCL2[c]	B-cell CLL/lymphoma 2	M13994	203684_s_at	4.7	0.0035	2.2	0.1593
CMAH[c]	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminate monooxygenase)	AW205659	229604_at	4.6	0.0046	3.6	0.0064
---	Clone FLB4630	AF113688	1570621_at	4.6	0.0040	2.1	0.1519
IL19	interleukin 19	NM_013371	220745_at	4.6	0.0072	3.0	0.0237
E2F7	E2F transcription factor 7	AI341146	228033_at	4.6	0.0044	3.9	0.0053
---	Full length insert cDNA clone YX74D05	AI655467	230741_at	4.5	0.0046	3.9	0.0039
LAP3	leucine aminopeptidase 3	NM_015907	217933_s_at	4.5	0.0043	3.9	0.0042
LIF	leukemia inhibitory factor (cholinergic differentiation factor)	NM_002309	205266_at	4.5	0.0044	4.6	0.0018
PDSS1	prenyl (decaprenyl) diphosphate synthase, subunit 1	NM_014317	220865_s_at	4.5	0.0045	2.7	0.0409
JAG1[c]	jagged 1 (Alagille syndrome)	U73936	209099_x_at	4.4	0.0077	3.8	0.0061
---	MRNA; cDNA DKFZp313C1812 (from clone DKFZp313C1812)	AL832657	1562307_at	4.4	0.0045	3.3	0.0111
C11orf75	chromosome 11 open reading frame 75	NM_020179	219806_s_at	4.4	0.0046	3.7	0.0066
C1QB	complement component 1, q subcomponent, B chain	NM_000491	202953_at	4.3	0.0049	4.4	0.0020
TRAFD1	TRAF-type zinc finger domain containing 1	NM_006700	202837_at	4.3	0.0055	2.6	0.0416
SOCS2[c]	suppressor of cytokine signaling 2	AB004903	203372_s_at	4.3	0.0051	3.2	0.0121
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	NM_000593	202307_s_at	4.3	0.0048	3.9	0.0040
TNFSF10[c]	tumor necrosis factor (ligand) superfamily, member 10	U57059	202687_s_at	4.3	0.0055	3.5	0.0093
IL15[c]	interleukin 15	Y09908	217371_s_at	4.2	0.0073	3.4	0.0099
IL9	interleukin 9	NM_000590	208193_at	4.2	0.0088	1.7	0.3179
INHBA[c]	inhibin, beta A	M13436	210511_s_at	4.2	0.0071	3.6	0.0066
BCL2L14*	BCL2-like 14 (apoptosis facilitator)	AK000127	233464_at	4.2	0.0066	3.9	0.0044
---	Transcribed locus	R98767	240593_x_at	4.2	0.0066	3.4	0.0129
TIFA	TRAF-interacting protein with a forkhead-associated domain	AA195074	226117_at	4.2	0.0063	3.7	0.0056
FAM92A1[c]	family with sequence similarity 92, member A1	AW960748	235391_at	4.2	0.0072	4.2	0.0026
---	---	AW392551	238725_at	4.2	0.0068	4.2	0.0030
TNFRSF21[c]	tumor necrosis factor receptor superfamily, member 21	BE568134	214581_x_at	4.1	0.0064	2.7	0.0365
SOCS1[c]	suppressor of cytokine signaling 1	AI056051	209999_x_at	4.1	0.0083	3.1	0.0177
IRF8	interferon regulatory factor 8	AI073984	204057_at	4.1	0.0071	3.7	0.0051
CDK6[c]	cyclin-dependent kinase 6	AW194766	243000_at	4.1	0.0091	2.6	0.0592
IL5	interleukin 5 (colony-stimulating factor, eosinophil)	NM_000879	207952_at	4.0	0.0072	3.9	0.0039
---	Transcribed locus	AW628623	236785_at	4.0	0.0251	3.1	0.0425
IRF4[c]	interferon regulatory factor 4	NM_002460	204562_at	4.0	0.0076	2.9	0.0229
IRF1	interferon regulatory factor 1	NM_002198	202531_at	4.0	0.0086	4.0	0.0038
FAS[c]	Fas (TNF receptor superfamily, member 6)	X83493	215719_x_at	4.0	0.0078	3.0	0.0186
PLAT	plasminogen activator, tissue	NM_000930	201860_s_at	4.0	0.0077	2.5	0.0551
LIMK2[c]	LIM domain kinase 2	NM_005569	202193_at	3.9	0.0085	3.3	0.0106
DPP4	dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein 2)	M80536	203716_s_at	3.9	0.0086	2.3	0.0992
PLEKHA7	pleckstrin homology domain containing, family A member 7	AA758861	228450_at	3.9	0.0112	2.9	0.0415
SLC31A2	solute carrier family 31 (copper transporters), member 2	NM_001860	204204_at	3.9	0.0091	3.2	0.0146
HAVCR2	hepatitis A virus cellular receptor 2	BC020843	1555629_at	3.9	0.0140	2.5	0.1158
GZMA	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	NM_006144	205488_at	3.9	0.0091	1.7	0.3297

LOC284417	hCG1651476	BC020862	1570225_at	3.8	0.0118	2.8	0.0291
---	Homo sapiens, clone IMAGE:5170250, mRNA	BC029255	1559125_at	3.8	0.0090	2.9	0.0265
---	---	N65982	241750_x_at	3.8	0.0091	3.8	0.0054
CD274	CD274 molecule	AF233516	223834_at	3.8	0.0104	3.0	0.0209
C4orf32	chromosome 4 open reading frame 32	AI110850	227856_at	3.8	0.0103	2.8	0.0292
GBP3	guanylate binding protein 3	AL136680	223434_at	3.8	0.0099	3.5	0.0070
C9orf39	chromosome 9 open reading frame 39	AK098502	1559005_s_at	3.7	0.0108	2.4	0.0668
IL12A	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	NM_000882	207160_at	3.7	0.0119	2.4	0.0713
RHEBL1[c]	Ras homolog enriched in brain like 1	BC014155	1570253_a_at	3.7	0.0122	3.1	0.0333
EMP1[c]	epithelial membrane protein 1	BC017854	1564796_at	3.7	0.0119	3.0	0.0197
CD86[c]	CD86 molecule	NM_006889	205686_s_at	3.7	0.0117	2.8	0.0290
SNFT	Jun dimerization protein p21SNFT	NM_018664	220358_at	3.7	0.0118	3.2	0.0135
SAMHD1[c]	SAM domain and HD domain 1	AF147427	1559883_s_at	3.7	0.0130	2.8	0.0292
IL15RA	interleukin 15 receptor, alpha	NM_002189	207375_s_at	3.7	0.0118	3.3	0.0104
CCND2	cyclin D2	AW026491	200951_s_at	3.6	0.0119	2.6	0.0476
YES1[c]	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	NM_005433	202932_at	3.6	0.0142	2.6	0.0467
---	Full-length cDNA clone CS0DF024YN14 of Fetal brain of Homo sapiens (human)	AW295340	243222_at	3.6	0.0195	2.3	0.1065
CAMK2D[c]	Calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	AA809487	231042_s_at	3.6	0.0206	1.6	0.4270
---	CDNA FLJ12055 fis, clone HEMBB1002049	AU146983	214967_at	3.6	0.0140	2.9	0.0318
ALPK1	alpha-kinase 1	AI760166	227438_at	3.6	0.0124	2.7	0.0375
KCTD14	potassium channel tetramerisation domain containing 14	AI672101	58916_at	3.6	0.0136	2.7	0.0516
C1orf150	chromosome 1 open reading frame 150	NM_145278	1552908_at	3.6	0.0124	2.7	0.0326
CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	NM_018235	217752_s_at	3.6	0.0125	3.1	0.0159
---	---	AI092511	237953_at	3.6	0.0140	2.7	0.0388
TNF	tumor necrosis factor (TNF superfamily, member 2)	NM_000594	207113_s_at	3.5	0.0140	3.0	0.0231
ASCL2	achaete-scute complex homolog 2 (Drosophila)	AI393930	229215_at	3.5	0.0130	2.7	0.0398
LMNB1	lamin B1	NM_005573	203276_at	3.5	0.0138	2.7	0.0368
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	X16323	209960_at	3.5	0.0140	3.2	0.0171
MEFV	Mediterranean fever	NM_000243	208262_x_at	3.5	0.0139	3.1	0.0171
RIPK2[c]	receptor-interacting serine-threonine kinase 2	AF027706	209544_at	3.5	0.0144	3.1	0.0172
RNF125	ring finger protein 125	NM_017831	207735_at	3.4	0.0160	2.1	0.1561
---	Full length insert cDNA clone YR04D03	AF085913	1565915_at	3.4	0.0231	3.1	0.0196
LOC162073	hypothetical protein LOC162073	AI458417	227954_at	3.4	0.0163	2.5	0.0567
---	Transcribed locus	BE674703	241849_at	3.4	0.0163	2.7	0.0366
INDO	indoleamine-pyrrole 2,3 dioxygenase	M34455	210029_at	3.4	0.0200	3.2	0.0145
GBP2	guanylate binding protein 2, interferon-inducible	NM_004120	202748_at	3.4	0.0174	3.3	0.0099
ZNRF1	zinc and ring finger 1	AI144394	225960_at	3.3	0.0195	2.9	0.0267
MYO1B	myosin IB	BF432550	212364_at	3.3	0.0189	2.3	0.0992
IL13	interleukin 13	NM_002188	207844_at	3.3	0.0198	2.3	0.0990
MEOX1	mesenchyme homeobox 1	NM_004527	205619_s_at	3.3	0.0205	2.5	0.0566
EGR3	early growth response 3	NM_004430	206115_at	3.3	0.0195	3.2	0.0138
LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	AW961916	236156_at	3.3	0.0197	2.8	0.0290
HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	AI128225	213537_at	3.3	0.0190	2.3	0.0861

---	CDNA FLJ11041 fis, clone PLACE1004405	AI343467	227140_at	3.3	0.0239	2.3	0.0885
C2	complement component 2	BC029781	1554533_at	3.3	0.0229	3.2	0.0174
---	Transcribed locus, weakly similar to XP_001117086.1 similar to Olfactory receptor 10T2 (Olfactory receptor OR1-3) [Macaca mulatta]	AI240943	238629_x_at	3.3	0.0249	1.6	0.4790
KIAA0040	KIAA0040	T79953	203143_s_at	3.3	0.0197	2.5	0.0596
---	Transcribed locus, strongly similar to XP_531234.1 hypothetical protein XP_531234 [Pan troglodytes]	R14866	243328_at	3.3	0.0266	2.6	0.0544
ANTXR2	anthrax toxin receptor 2	AU152178	225524_at	3.3	0.0206	2.7	0.0388
C1QC	complement component 1, q subcomponent, C chain	AI184968	225353_s_at	3.3	0.0332	3.1	0.0271
C16orf7	chromosome 16 open reading frame 7	NM_004913	205781_at	3.2	0.0222	3.1	0.0171
AYTL1	acyltransferase like 1	AA789296	239598_s_at	3.2	0.0207	2.5	0.0583
GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	J03189	210164_at	3.2	0.0205	2.4	0.0703
CIITA	class II, major histocompatibility complex, transactivator	NM_000246	205101_at	3.2	0.0259	2.7	0.0431
FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23)	NM_002002	206759_at	3.2	0.0308	1.7	0.3358
---	Full-length cDNA clone CS0DD001YA12 of Neuroblastoma Cot 50-normalized of Homo sapiens (human)	BE673665	228573_at	3.2	0.0220	2.6	0.0480
CASP10	caspase 10, apoptosis-related cysteine peptidase	NM_001230	205467_at	3.2	0.0232	2.8	0.0297
PPA1	pyrophosphatase (inorganic) 1	NM_021129	217848_s_at	3.2	0.0219	2.5	0.0626
PDP2	pyruvate dehydrogenase phosphatase isoenzyme 2	AB037769	232861_at	3.2	0.0232	1.1	1.0724
LRRC8C	leucine rich repeat containing 8 family, member C	AL136919	223533_at	3.2	0.0239	2.4	0.0763
C6orf150	chromosome 6 open reading frame 150	AK097148	1559051_s_at	3.2	0.0221	2.5	0.0553
KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	U73191	210119_at	3.2	0.0303	2.8	0.0318
NR4A2[c]	nuclear receptor subfamily 4, group A, member 2	S77154	216248_s_at	3.2	0.0232	3.1	0.0171
TLR4[c]	toll-like receptor 4	NM_138557	1552798_a_at	3.2	0.0240	2.4	0.0729
FBXO6	F-box protein 6	AF129536	231769_at	3.2	0.0239	2.5	0.0575
PRPS2	Phosphoribosyl pyrophosphate synthetase 2	AI392908	230352_at	3.2	0.0239	1.7	0.3180
TEP1	telomerase-associated protein 1	NM_007110	205727_at	3.1	0.0358	2.4	0.0887
GIMAP8	GTPase, IMAP family member 8	BE671843	240646_at	3.1	0.0251	1.4	0.4421
BLVRA[c]	biliverdin reductase A	AA740186	203771_s_at	3.1	0.0259	2.2	0.1171
EAF2	ELL associated factor 2	NM_018456	219551_at	3.1	0.0265	2.1	0.1362
---	MRNA; cDNA DKFZp586E151 (from clone DKFZp586E151)	AL050124	234276_at	3.1	0.0304	3.2	0.0160
TRPM6[c]	transient receptor potential cation channel, subfamily M, member 6	AF350881	224412_s_at	3.1	0.0255	2.0	0.2239
RGS16	regulator of G-protein signaling 16	BF304996	209324_s_at	3.1	0.0266	2.4	0.0793
XIRP1	xin actin-binding repeat containing 1	AW755250	235042_at	3.1	0.0300	2.3	0.1543
---	CDNA: FLJ21424 fis, clone COL04157	AK025077	215864_at	3.1	0.0272	1.9	0.2240
KIAA1913	KIAA1913	AA088177	234994_at	3.1	0.0282	2.4	0.0795
LRRK2	leucine-rich repeat kinase 2	AK026776	229584_at	3.1	0.0301	2.9	0.0210
RGS1	regulator of G-protein signaling 1	NM_002922	202988_s_at	3.0	0.0304	2.3	0.0780
MIRH1	microRNA host gene (non-protein coding) 1	AA256157	232291_at	3.0	0.0319	1.9	0.2373
RHOBTB3[c]	Rho-related BTB domain containing 3	NM_014899	202976_s_at	3.0	0.0392	3.4	0.0135
---	Full length insert cDNA clone YA84A05	T56980	1559949_at	3.0	0.0325	2.1	0.1431
SORT1	sortilin 1	BF447105	212807_s_at	3.0	0.0316	2.8	0.0289

DCTN1	dynactin 1 (p150, glued homolog, Drosophila)	NM_021196	204296_at	3.0	0.0318	2.5	0.0559
IL2RA[c]	interleukin 2 receptor, alpha	K03122	211269_s_at	3.0	0.0339	2.3	0.0881
SLAMF7[c]	SLAM family member 7	AJ271869	234306_s_at	3.0	0.0327	2.3	0.0952
RAPGEF2[c]	Rap guanine nucleotide exchange factor (GEF) 2	AL117397	215992_s_at	3.0	0.0324	2.7	0.0391
IL1RL1	interleukin 1 receptor-like 1	NM_003856	207526_s_at	3.0	0.0816	3.1	0.0378
P2RY14	purinergic receptor P2Y, G-protein coupled, 14	NM_014879	206637_at	3.0	0.0318	2.5	0.0594
PPM2C[c]	protein phosphatase 2C, magnesium-dependent, catalytic subunit	BG542521	222572_at	3.0	0.0341	2.6	0.0486
GEM	GTP binding protein overexpressed in skeletal muscle	NM_005261	204472_at	3.0	0.0376	2.0	0.1734
CASP7	caspase 7, apoptosis-related cysteine peptidase	NM_001227	207181_s_at	3.0	0.0333	2.8	0.0289
LASS6	LAG1 homolog, ceramide synthase 6	AI081356	235463_s_at	3.0	0.0323	1.9	0.2424
---	Full-length cDNA clone CS0DK005YO12 of HeLa cells Cot 25-normalized of Homo sapiens (human)	AI870951	228066_at	3.0	0.0392	2.1	0.1482
---	Transcribed locus	AW044663	230127_at	3.0	0.0372	2.7	0.0420
APOL2	apolipoprotein L, 2	BC004395	221653_x_at	2.9	0.0357	2.9	0.0240
OR52K3P	olfactory receptor, family 52, subfamily K, member 3 pseudogene	AF143328	232829_at	2.9	0.0356	2.3	0.0901
---	---	AI608902	227458_at	2.9	0.0380	2.6	0.0392
ARID5B	AT rich interactive domain 5B (MRF1-like)	AA150242	241969_at	2.9	0.0400	1.8	0.2846
RHOH	ras homolog gene family, member H	NM_004310	204951_at	2.9	0.0373	2.5	0.0589
---	Clone FLB4630	AF113688	1570622_at	2.9	0.0356	1.6	0.3347
---	---	BF509371	242907_at	2.9	0.0373	3.0	0.0205
---	Homo sapiens, clone IMAGE:4332461, mRNA	R14890	232397_at	2.9	0.0394	2.9	0.0291
RHOB	ras homolog gene family, member B	BI668074	1553962_s_at	2.9	0.0415	1.6	0.4464
XRN1	5'-3' exoribonuclease 1	AY137776	1555785_a_at	2.9	0.0372	2.2	0.1058
---	Transcribed locus	BF196334	239963_at	2.9	0.0425	1.8	0.2686
C9orf19	chromosome 9 open reading frame 19	AA284532	225604_s_at	2.9	0.0375	2.0	0.1734
---	Full-length cDNA clone CS0DI067YM20 of Placenta Cot 25-normalized of Homo sapiens (human)	AA603344	235964_x_at	2.9	0.0390	2.5	0.0658
---	Homo sapiens, clone IMAGE:5581630, mRNA	BC035773	1569666_s_at	2.9	0.0476	2.4	0.0930
C19orf12	chromosome 19 open reading frame 12	BC004957	223983_s_at	2.9	0.0397	2.3	0.0948
---	MRNA; cDNA DKFZp667K2218 (from clone DKFZp667K2218)	AI125308	1557733_a_at	2.9	0.0408	1.6	0.4463
HSPD1	heat shock 60kDa protein 1 (chaperonin)	BF965447	241716_at	2.9	0.0389	1.8	0.3041
NEDD9	neural precursor cell expressed, developmentally down-regulated 9	AL136139	202149_at	2.9	0.0390	2.2	0.1106
SNX10	sorting nexin 10	NM_013322	218404_at	2.9	0.0393	2.5	0.0566
---	CDNA: FLJ21256 fis, clone COL01402	AK024909	216166_at	2.9	0.0391	2.7	0.0373
---	Transcribed locus	AA579773	243221_at	2.9	0.0437	2.4	0.0741
C21orf71	chromosome 21 open reading frame 71	BU192089	1556414_at	2.8	0.0408	2.2	0.1014
CSF1	colony stimulating factor 1 (macrophage)	M37435	209716_at	2.8	0.0407	1.9	0.2061
RNF24	ring finger protein 24	NM_007219	204669_s_at	2.8	0.0416	2.3	0.0988
TFRC	transferrin receptor (p90, CD71)	N76327	237215_s_at	2.8	0.0461	1.5	0.5255
---	Transcribed locus	AI147211	235971_at	2.8	0.0475	2.8	0.0291
---	Transcribed locus	AA151917	230503_at	2.8	0.0430	3.4	0.0080
---	---	AI377755	236203_at	2.8	0.0681	2.8	0.0366
DOHH	deoxyhypusine hydroxylase/monooxygenase	NM_031304	208141_s_at	2.8	0.0475	2.3	0.0816
STAMBPL1	STAM binding protein-like 1	AI638611	227607_at	2.8	0.0461	2.0	0.1559

STAT2	signal transducer and activator of transcription 2, 113kDa	S81491	217199_s_at	2.7	0.0500	1.9	0.2249
TBC1D1	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	AI872403	1568713_a_at	2.7	0.0543	2.6	0.0494
SLC6A12	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	U27699	206058_at	2.7	0.0625	2.9	0.0236
TNFSF9	tumor necrosis factor (ligand) superfamily, member 9	NM_003811	206907_at	2.6	0.0704	2.9	0.0240
FHL1	four and a half LIM domains 1	AF220153	214505_s_at	2.5	0.0880	2.9	0.0273
---	---	BC022885	1564656_at	2.4	0.0874	2.8	0.0317
ZC3HAV1	zinc finger CCCH-type, antiviral 1	NM_020119	220104_at	2.3	0.1163	2.6	0.0417
---	Transcribed locus	BF431214	236065_at	2.3	0.1146	2.9	0.0256
CCL18	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)	AB000221	209924_at	2.2	0.1492	2.6	0.0483
ROBO4	roundabout homolog 4, magic roundabout (Drosophila)	NM_019055	220758_s_at	2.1	0.1797	3.3	0.0144
NRP2	neuropilin 2	AF022859	211844_s_at	1.8	0.2115	3.1	0.0171
---	CDNA FLJ13856 fis, clone THYRO1000988	AK023918	215595_x_at	1.6	0.5785	2.7	0.0374
NMNAT3	nicotinamide nucleotide adenylyltransferase 3	AW172570	243738_at	1.5	0.6179	2.6	0.0485
SCUBE3	Signal peptide, CUB domain, EGF-like 3	BE674338	230253_at	1.4	0.7905	3.0	0.0175
---	CDNA FLJ36965 fis, clone BRACE2006075	BU852182	1560755_at	1.3	0.8681	3.1	0.0191
---	---	X76785	234882_at	1.2	1.0279	2.9	0.0269

[a]All upregulated genes with an FDR less than 0.05 with at least one of the stimuli.

[b]Mean fold change of three blood donors.

[c]The probe set with significant changes with both stimuli is shown. In cases where none fulfilled this criterion, the probe set showing the highest fold change value was selected.

Gene expression of human PBMC analyzed after 6 h of stimulation with SEI and SEB. The vast majority of genes was influenced to a similar extend by SEI and SEB.