

Supplementary Table 3 - Genes changed by at least 5 fold in NOD islets

Upregulated ≥5-fold in 10 day old NOD vs. NOD.B10 islets

Probe	Gene	Fold change	Chromosome	Start	End	Description
A_51_P122867	Syt16	13.63	chr12	75368123	75368182	synaptotagmin XVI
A_52_P338376	Kctd18	10.54	chr1	58018204	58018263	potassium channel tetramerisation domain containing 18
A_51_P279284	BC051142	10.43	chr17	34596840	34596899	cDNA sequence BC051142
A_52_P426740	Rab27a	9.65	chr9	72944668	72944727	RAB27A, member RAS oncogene family
A_52_P373575	A530058N18Rik	9.39	chr2	113857267	113857326	RIKEN cDNA A530058N18 gene
A_52_P569023	Sphkap	9.06	chr1	83272326	83272385	SPHK1 interactor, AKAP domain containing
A_51_P435617	Best3	9.02	chr10	116432899	116432958	bestrophin 3
A_51_P325941	Kcnj12	8.84	chr11	60884085	60884143	potassium inwardly-rectifying channel, subfamily J, member 12
A_52_P97133	Mapk8ip3	8.84	chr17	25052986	25053045	mitogen-activated protein kinase 8 interacting protein 3
A_52_P460791	Ppy	8.83	chr11	101961581	101961877	pancreatic polypeptide
A_52_P355124	Ppp1r17	8.48	chr6	55982358	55982417	protein phosphatase 1, regulatory subunit 17
A_51_P503729	Elavl4	8.47	chr4	109884183	109884242	ELAV
A_51_P335801	Calb1	8.15	chr4	15832543	15832602	calbindin 1
A_52_P281935	Ppp6r3	7.95	chr19	3511402	3511461	AK129392 mKIAA1558 protein {Mus musculus}
A_52_P17635	Tmem258	7.89	chr19	10281979	10282038	CK010_HUMAN UPF0197 protein C11orf10, complete
A_51_P282538	Gad1	7.86	chr2	70439601	70439660	glutamate decarboxylase 1
A_52_P92398	Bbs12	7.76	chr3	37219515	37219574	Bardet-Biedl syndrome 12
A_51_P268709	Mc4r	7.73	chr18	67019044	67019103	melanocortin 4 receptor
A_51_P428483	Fgb	7.66	chr3	82846334	82846393	fibrinogen beta chain
A_52_P192528	Vwde	7.63	chr6	13119962	13120021	von Willebrand factor D and EGF domains
A_51_P166740	Kcnj4	7.48	chr15	79314133	79314157	potassium inwardly-rectifying channel, subfamily J, member 4
A_52_P778544	C030034I22Rik	7.26	chr17	69767454	69767513	RIKEN cDNA C030034I22 gene
A_52_P134680	Spta7	7.23	chr12	99867893	99867952	spermatogenesis associated 7
A_51_P521155	Fbxw27	6.91	chr9	109672589	109672648	F-box and WD-40 domain protein 27
A_51_P133260	Vsnl1	6.62	chr12	11333097	11333156	visinin-like 1
A_51_P258473	Jhy	6.62	chr9	40703592	40703651	juvenile hydrocephalus
A_52_P452578	Rbm8a	6.60	chr3	96435936	96435995	RNA binding motif protein 8a
A_51_P332228	Nol4	6.50	chr18	22852395	22852454	nucleolar protein 4
A_51_P403477	Dio1	6.49	chr4	106964052	106964088	deiodinase, iodothyronine, type I
A_51_P197816	Ltv1	6.47	chr10	12898223	12898282	LTV1 ribosome biogenesis factor
A_52_P181408	Dpp10	6.45	chr1	125546865	125546924	dipeptidylpeptidase 10
A_52_P575176	Gria2	6.43	chr3	80492452	80492511	glutamate receptor, ionotropic, AMPA2
A_52_P564827	BC023719	6.35	chr17	36253180	36253239	Q8HWL1_MOUSE H2-Q10 protein, partial
A_52_P501805	Iws1	6.20	chr18	32246790	32247952	IWS1, SUPT6 interacting protein
A_52_P265666	Fyco1	6.18	chr9	123747405	123747464	FYVE and coiled-coil domain containing 1
A_52_P522754	Ebna1bp2	6.14	chr4	118299837	118299896	EBNA1 binding protein 2
A_52_P487615	Fam105a	6.10	chr15	27586750	27586809	family with sequence similarity 105, member A
A_52_P29615	Rab27a	6.08	chr9	72943705	72943764	RAB27A, member RAS oncogene family
A_52_P238468	Gipr	6.05	chr7	19742486	19742545	gastric inhibitory polypeptide receptor
A_51_P515949	Olfir668	6.01	chr7	112073475	112073534	olfactory receptor 668
A_52_P144310	Gad1	5.96	chr2	70439699	70439758	glutamate decarboxylase 1
A_52_P656667	Dbpht2	5.92	chr12	75400186	75400245	DNA binding protein with his-thr domain
A_51_P389543	Adgrv1	5.86	chr13	81409792	81409851	adhesion G protein-coupled receptor V1
A_51_P306308	Wdr17	5.85	chr8	55715048	55715107	WD repeat domain 17
A_51_P201747	Sez6l	5.83	chr5	112848874	112848933	seizure related 6 homolog like
A_52_P235108	Vps35	5.80	chr8	87810345	87810403	VPS35 retromer complex component
A_51_P433810	Npas4	5.78	chr19	4984833	4984892	neuronal PAS domain protein 4
A_51_P374137	Bco1	5.74	chr8	119656996	119657055	beta-carotene oxygenase 1
A_52_P1114696	9030419F21Rik	5.73	chr15	88910246	88910305	Q4T065_TETNG Chromosome undetermined SCAF11328.
A_52_P459657	Pcsk1n	5.71	chrX	7500858	7500917	proprotein convertase subtilisin/kexin type 1 inhibitor
A_52_P28745	Scgn	5.69	chr13	24054004	24054661	secretagogin, EF-hand calcium binding protein
A_51_P518919	Cdh7	5.69	chr1	112035318	112035377	cadherin 7, type 2
A_52_P278853	Trim34a	5.67	chr7	111410060	111410119	tripartite motif-containing 34A
A_52_P38317	Naa20	5.65	chr2	145737523	145737582	N(alpha)-acetyltransferase 20, NatB catalytic subunit
A_51_P204387	Tmem63c	5.64	chr12	88430848	88430907	transmembrane protein 63c
A_51_P327970	Scg2	5.64	chr1	79432019	79432078	secretogranin II
A_52_P488623	Fam169a	5.63	chr13	97899009	97899068	family with sequence similarity 169, member A
A_52_P577190	Galnt13	5.58	chr2	54951071	54951253	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13
A_51_P340805	Zkscan4	5.57	chr13	21577152	21577211	zinc finger with KRAB and SCAN domains 4
A_51_P303160	Arg1	5.57	chr10	24636194	24636253	arginase, liver
A_52_P198949	Esr1a	5.57	chr19	6991170	6991229	estrogen related receptor, alpha
A_52_P149521	Syt16	5.56	chr12	75368497	75368556	synaptotagmin XVI
A_52_P121903	Cadps	5.54	chr14	13244085	13244144	Ca2+-dependent secretion activator
A_52_P82804	Gnl3l	5.52	chrX	147419264	147419323	guanine nucleotide binding protein-like 3 (nucleolar)-like
A_51_P371078	Smg5	5.50	chr3	88155804	88155863	Smg-5 homolog, nonsense mediated mRNA decay factor
A_51_P438236	Dmrtc1a	5.45	chrX	100098812	100098871	DMRT-like family C1a
A_52_P592230	Dnaj4	5.44	chr9	54563687	54563746	DnaJ heat shock protein family member A4
A_52_P143193	Ddx25	5.40	chr9	35358939	35358998	DEAD box polypeptide 25
A_51_P318618	Anks4b	5.37	chr7	127326703	127326762	ankyrin repeat and sterile alpha motif domain containing 4B
A_52_P628915	Syt4	5.29	chr18	31598394	31598453	synaptotagmin IV
A_52_P110218	Efcab1	5.28	chr16	14916986	14917045	EF hand calcium binding domain 1
A_51_P106114	A230070E04Rik	5.27	chr14	68743911	68743970	RIKEN cDNA A230070E04 gene
A_51_P326449	6030442H21Rik	5.26	chr2	64855461	64855520	RIKEN cDNA 6030442H21 gene
A_51_P507065	Celsr3	5.25	chr9	108754794	108754853	cadherin, EGF LAG seven-pass G-type receptor 3
A_52_P94670	Ift81	5.24	chr5	123054974	123055033	intraflagellar transport 81
A_52_P537647	Raf1	5.21	chr6	115580756	115580815	v-raf-leukemia viral oncogene 1
A_52_P176405	Arx	5.09	chrX	90543119	90543178	aristaless related homeobox
A_52_P158782	Son	5.08	chr16	91675067	91675126	PREDICTED: Son DNA binding protein
A_51_P262699	Cpb2	5.07	chr14	75683296	75683355	carboxypeptidase B2 (plasma)
A_52_P981179	Arhgef37	5.07	chr18	61651888	61651947	PREDICTED: Rho guanine nucleotide exchange factor 37

A_52_P281543	Slc35g1	5.06	chr19	38477465	38477524	solute carrier family 35, member G1
A_52_P321140	Defb1	5.01	chr8	22905041	22905100	defensin beta 1
A_51_P221223	Scg5	5.00	chr2	113616611	113616670	secretogranin V

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A_51_P431329	Car3	-31.06	chr3	14871781	14871840	carbonic anhydrase 3
A_51_P458451	Adipoq	-25.83	chr16	23157576	23157635	adiponectin, C1Q and collagen domain containing
A_51_P244497	Plin1	-23.88	chr7	86866112	86866171	perilipin 1
A_51_P117739	Vegfd	-19.67	chrX	160840395	160840454	vascular endothelial growth factor D
A_51_P130115	Spink2	-19.38	chr5	77634154	77634213	serine peptidase inhibitor, Kazal type 2
A_51_P490456	Cidec	-16.03	chr6	113374693	113374752	cell death-inducing DFFA-like effector c
A_52_P681557	Naaladl2	-12.33	chr3	23703403	23703462	N-acetylated alpha-linked acidic dipeptidase-like 2
A_51_P452768	Cyp4f14	-11.56	chr17	33042214	33042273	cytochrome P450, family 4, subfamily f, polypeptide 14
A_52_P416756	D17H6556E-5	-10.00	chr17	35134653	35134712	DNA segment, Chr 17, human D6S56E 5
A_51_P287100	Cdh16	-9.84	chr8	107138101	107138160	cadherin 16
A_52_P525107	Col1a1	-9.02	chr11	94813075	94813134	collagen, type I, alpha 1
A_52_P276955	Epha3	-8.76	chr16	63545155	63545214	Eph receptor A3
A_51_P134468	D17H6556E-5	-7.92	chr17	35134128	35134187	DNA segment, Chr 17, human D6S56E 5
A_51_P227222	Adamts2	-7.85	chr11	50617472	50617531	a disintegrin-like and metallopeptidase with thrombospondin type 1 motif, 2
A_51_P417074	Arhgap8	-7.57	chr15	84602532	84602591	Rho GTPase activating protein 8
A_51_P496569	Slit2	-7.56	chr5	48696502	48696561	slit homolog 2
A_51_P103560	Gm16486	-7.55	chr8	73240942	73241001	predicted gene 16486
A_52_P36847	Cpz	-7.41	chr5	35846326	35846385	carboxypeptidase Z
A_51_P368012	Mdfi	-7.22	chr17	47952606	47952665	MyoD family inhibitor
A_52_P50496	H2-K1	-7.22	chr17	34136288	34136347	histocompatibility 2, K1, K region
A_52_P1016836	Ttc6	-7.21	chr12	58838729	58838788	tetratricopeptide repeat domain 6
A_51_P420600	Prss35	-7.21	chr9	86650767	86650848	protease, serine 35
A_52_P42762	Zp3	-7.07	chr5	136464281	136464340	zona pellucida glycoprotein 3
A_51_P152973	Zp3	-6.99	chr5	136463460	136464310	zona pellucida glycoprotein 3
A_51_P154417	Fbln1	-6.99	chr15	85115854	85115914	fibulin 1
A_51_P520849	Sfrp2	-6.83	chr3	83577864	83577923	secreted frizzled-related protein 2
A_51_P377094	Col1a1	-6.73	chr11	94812052	94812111	collagen, type I, alpha 1
A_51_P516833	Igf2	-6.41	chr7	149837115	149837174	insulin-like growth factor 2
A_51_P508259	Ppm1n	-6.37	chr7	19862172	19862231	protein phosphatase, Mg2+/Mn2+ dependent, 1N
A_51_P220156	Bpifb1	-6.30	chr2	154042941	154043969	BPI fold containing family B, member 1
A_51_P414637	Col5a1	-6.30	chr2	27892892	27892951	collagen, type V, alpha 1
A_51_P346964	Mrap	-6.28	chr16	90749858	90749917	melanocortin 2 receptor accessory protein
A_52_P197826	H2-T22	-6.26	chr17	36178425	36178484	histocompatibility 2, T region locus 22
A_51_P124535	Mest	-6.10	chr6	30698279	30698338	mesoderm specific transcript
A_52_P184609	Gabrp	-6.10	chr11	33452049	33452108	gamma-aminobutyric acid A receptor, pi
A_51_P404815	Apol6	-6.07	chr15	76887458	76887517	apolipoprotein L 6
A_52_P476775	Mdfi	-6.04	chr17	47952601	47952660	MyoD family inhibitor
A_51_P160673	Kcne1l	-5.98	chrX	138739364	138739423	potassium voltage-gated channel, Isk-related family, member 1-like, pseudogene
A_51_P220262	Rnf165	-5.97	chr18	77694899	77694958	ring finger protein 165
A_51_P516826	Igf2	-5.96	chr7	149836673	149836709	insulin-like growth factor 2
A_51_P337412	Efemp1	-5.89	chr11	28826538	28826597	epidermal growth factor-containing fibulin-like extracellular matrix protein 1
A_52_P39575	Gria1	-5.88	chr11	57143457	57143516	glutamate receptor, ionotropic, AMPA1
A_52_P588483	Fbln1	-5.85	chr15	85115998	85116057	fibulin 1
A_51_P366121	Klf14	-5.85	chr6	30906200	30906259	Kruppel-like factor 14
A_51_P188271	Cd248	-5.84	chr19	5070558	5070617	CD248 antigen, endosialin
A_51_P165504	Twist2	-5.78	chr1	93744519	93744577	twist basic helix-loop-helix transcription factor 2
A_52_P453785	Cthrc1	-5.58	chr15	38918358	38918417	collagen triple helix repeat containing 1
A_52_P251703	Vcan	-5.51	chr13	89796864	89796923	versican
A_51_P433237	Cdh3	-5.45	chr8	109079493	109079553	cadherin 3
A_51_P326529	Col14a1	-5.41	chr15	55352132	55352191	collagen, type XIV, alpha 1
A_51_P466910	Cacna1g	-5.38	chr11	94269863	94269922	calcium channel, voltage-dependent, T type, alpha 1G subunit
A_51_P164817	Adamts2	-5.34	chr11	50620833	50620892	a disintegrin-like and metallopeptidase with thrombospondin type 1 motif, 2
A_51_P437978	Agtr2	-5.31	chrX	21065564	21065623	angiotensin II receptor, type 2
A_52_P387724	Tcf7l1	-5.28	chr6	72576377	72576436	transcription factor 7 like 1 (T cell specific, HMG box)
A_51_P227502	Mfap2	-5.26	chr4	140571814	140571873	microfibrillar-associated protein 2
A_52_P542140	Fam192a	-5.13	chr8	97125566	97125625	family with sequence similarity 192, member A
A_52_P2670	Rmrp	-5.13	chr4	43505692	43505751	RNA component of mitochondrial RNAase P
A_51_P417643	Foxa1	-5.11	chr12	58641996	58642055	forkhead box A1
A_52_P93393	Gxylt2	-5.10	chr6	100754978	100755037	glucoside xylosyltransferase 2
A_51_P394814	Svep1	-5.10	chr4	58055720	58055779	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1
A_52_P617638	Nox4	-5.04	chr7	94545682	94545741	NADPH oxidase 4

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A_52_P564827	BC023719	21.20	chr17	36253180	36253239	Q8HWL1_MOUSE H2-Q10 protein (Fragment), partial (26%)
A_51_P136303	Cyp4f15	12.27	chr17	32840088	32840147	cytochrome P450, family 4, subfamily f, polypeptide 15
A_52_P680761	Tdrd6	11.05	chr17	43759143	43759202	tudor domain containing 6
A_51_P339934	Nefl	10.67	chr14	68705638	68705698	neurofilament, light polypeptide
A_51_P168646	Nefl	8.03	chr14	68706866	68706925	neurofilament, light polypeptide
A_52_P1051779	Stum	7.32	chr1	182362524	182362583	mechanosensory transduction mediator
A_51_P444473	Ccr4	6.92	chr9	114400791	114400850	chemokine receptor 4
A_51_P344606	Prph	6.62	chr15	98887297	98887356	peripherin
A_52_P465064	Pkib	6.57	chr10	57374328	57374387	protein kinase inhibitor beta, cAMP dependent, testis specific
A_52_P569897	5430419D17Rik	5.55	chr7	138449228	138449287	RIKEN cDNA 5430419D17 gene
A_51_P365666	Ptprh	5.41	chr7	4502484	4502659	protein tyrosine phosphatase, receptor type, H
A_52_P408736	Slc16a7	5.22	chr10	124663576	124663635	solute carrier family 16 (monocarboxylic acid transporters), member 7
A_52_P567228	Cyp2w1	5.18	chr5	139832563	139832622	cytochrome P450, family 2, subfamily w, polypeptide 1
A_51_P164998	Stmn2	5.03	chr3	8561261	8561320	stathmin-like 2

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A_52_P602847	Glycam1	-27.57	chr15	103393339	103393398	glycosylation dependent cell adhesion molecule 1
A_51_P278868	H2-DMb1	-16.89	chr17	34297109	34297168	histocompatibility 2, class II, locus Mb1
A_52_P416756	D17H6S56E-5	-13.87	chr17	35134653	35134712	DNA segment, Chr 17, human D6S56E 5
A_52_P343306	H2-Aa	-13.38	chr17	34421285	34421344	histocompatibility 2, class II antigen A, alpha
A_51_P134468	D17H6S56E-5	-10.18	chr17	35134128	35134187	DNA segment, Chr 17, human D6S56E 5
A_52_P410495	2310057J18Rik	-9.92	chr10	28692205	28692264	RIKEN cDNA 2310057J18 gene
A_52_P50496	H2-K1	-7.35	chr17	34136288	34136347	histocompatibility 2, K1, K region
A_52_P836852	Txk	-6.99	chr5	73087262	73087321	TXK tyrosine kinase
A_52_P586928	Pdyn	-6.50	chr2	129512323	129512382	prodynorphin
A_52_P197826	H2-T22	-6.30	chr17	36178425	36178484	histocompatibility 2, T region locus 22
A_51_P487818	Fabp1	-5.91	chr6	71154906	71154965	fatty acid binding protein 1, liver
A_51_P326631	Dnah8	-5.52	chr17	31012058	31012117	dynein, axonemal, heavy chain 8
A_51_P292403	Sdc2	-5.41	chr15	32962294	32962353	syndecan 2
A_52_P655008	Iffo1	-5.41	chr6	125096621	125096680	Intermediate Filament Family Orphan 1
A_51_P324351	Meltf	-5.35	chr16	31899002	31899061	melanotransferrin
A_52_P533841	Cyp4f16	-5.07	chr17	32682033	32682092	cytochrome P450, family 4, subfamily f, polypeptide 16

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A_52_P480620	Trav3-3	36.19	chr14	54820230	54820289	T cell receptor alpha variable 3-3
A_51_P319022	Cxcr3	25.22	chrX	98926920	98926979	chemokine receptor 3
A_51_P167263	Cd5	22.38	chr19	10792701	10792760	CD5 antigen
A_51_P260889	Cd3g	20.05	chr9	44781716	44782300	CD3 antigen, gamma polypeptide
A_52_P244702	Tcf7	18.76	chr11	52066114	52066173	transcription factor 7, T cell specific
A_51_P280947	Klrd1	18.44	chr6	129548391	129548450	killer cell lectin-like receptor, subfamily D, member 1
A_51_P137419	Cst7	17.99	chr2	150404490	150404549	cystatin F
A_51_P458258	Ccl19	17.80	chr4	42250432	42250491	chemokine ligand 19
A_51_P141288	Lck	17.48	chr4	129225846	129225905	lymphocyte protein tyrosine kinase
A_51_P445473	Fut7	17.41	chr2	25281802	25281861	fucosyltransferase 7
A_51_P342688	Itk	17.30	chr11	46138778	46138837	IL2 inducible T cell kinase
A_52_P68893	Ifng	17.10	chr10	117882841	117882900	interferon gamma
A_51_P458262	Ccl19	16.48	chr4	42250352	42250411	chemokine ligand 19
A_51_P234956	Xcl1	16.38	chr1	166862020	166862079	chemokine ligand 1
A_52_P123655	A630023P12Rik	16.25	chr5	110954673	110954732	RIKEN cDNA A630023P12 gene
A_52_P186033	Spn	15.88	chr7	134277313	134277372	sialophorin
A_51_P172514	Sh2d1a	15.44	chrX	39874920	39874979	SH2 domain containing 1A
A_51_P389957	Rgs14	15.11	chr13	55485762	55485821	regulator of G-protein signaling 14
A_52_P618569	Ikzf1	14.97	chr11	11658319	11661278	IKAROS family zinc finger 1
A_52_P1391	H2-DMb2	14.96	chr17	34284764	34284823	histocompatibility 2, class II, locus Mb2
A_51_P176154	Sirpb1b	14.71	chr3	15495824	15495883	signal-regulatory protein beta 1B
A_52_P199614	Wdfy4	14.66	chr14	33772821	33772880	WD repeat and FYVE domain containing 4
A_52_P365466	Plcb2	14.47	chr2	118534571	118534630	phospholipase C, beta 2
A_52_P113190	Myo1f	14.40	chr17	33744253	33744312	myosin IF
A_52_P456640	Fgr	14.21	chr4	132557522	132557581	FGR proto-oncogene, Src family tyrosine kinase
A_51_P501145	Lef1	14.14	chr3	130927036	130927095	lymphoid enhancer binding factor 1
A_52_P443334	Cd8a	13.87	chr6	71328911	71328970	CD8 antigen, alpha chain
A_52_P662054	Klra16	13.84	chr6			killer cell lectin-like receptor, subfamily A, member 16
A_51_P285206	Cd3d	13.82	chr9	44794171	44794402	CD3 antigen, delta polypeptide
A_51_P339934	Nefl	13.38	chr14	68705638	68705698	neurofilament, light polypeptide
A_51_P359603	Itgb7	13.37	chr15	102046450	102046509	integrin beta 7
A_51_P205209	Cd244	13.16	chr1	173513231	173513290	CD244 natural killer cell receptor 2B4
A_51_P345121	Cd8a	12.88	chr6	71327330	71327389	CD8 antigen, alpha chain
A_51_P316044	Card11	12.87	chr5	141348979	141349038	caspase recruitment domain family, member 11
A_51_P150433	Cd8b1	12.83	chr6	71287068	71287126	CD8 Antigen, Beta Polypeptide 1
A_51_P448140	Cd22	12.74	chr7	31651590	31651649	CD22 antigen
A_52_P109941	Ctla4	12.67	chr16	10526303	10526362	class II transactivator
A_51_P495581	Tlr1	12.61	chr5	65316115	65316174	toll-like receptor 1
A_52_P2754	Aif1	12.44	chr17	35308497	35308742	allograft inflammatory factor 1
A_52_P105594	B2m	12.31	chr2	121974599	121974658	Beta-2-Microglobulin
A_52_P487615	Fam105a	12.22	chr15	27586750	27586809	family with sequence similarity 105, member A
A_51_P325856	Mcomp1	12.20	chr8	3668713	3668772	mast cell expressed membrane protein 1
A_52_P546363	Gata3	12.19	chr2	9778983	9779042	GATA binding protein 3
A_52_P24447	Nkg7	12.16	chr7	50693482	50693541	natural killer cell group 7 sequence
A_51_P242930	Lat2	12.05	chr5	135076329	135076388	linker for activation of T cells family, member 2
A_51_P431823	Arhgap45	11.88	chr10	79493876	79493935	Rho GTPase activating protein 45
A_51_P327121	Was	11.73	chrX	7658779	7658838	Wiskott-Aldrich syndrome
A_51_P136294	Ms4a4b	11.73	chr19	11537629	11537688	membrane-spanning 4-domains, subfamily A, member 4B
A_52_P16873	Rasal3	11.46	chr17	32528297	32529002	RAS protein activator like 3
A_52_P72587	Prkcg	11.37	chr2	11222026	11222085	protein kinase C, theta
A_51_P327141	Zap70	11.26	chr1	36838210	36838269	zeta-chain (TCR) associated protein kinase
A_51_P495242	Lat	11.15	chr7	133507719	133507778	linker for activation of T cells
A_51_P487555	Cd7	11.09	chr11	120898068	120898127	CD7 antigen
A_51_P139108	Cpxm1	11.06	chr2	130216611	130216670	carboxypeptidase X 1
A_51_P511315	Pstpip1	11.01	chr9	55975648	55976435	proline-serine-threonine phosphatase-interacting protein 1
A_51_P275302	Lcp1	10.96	chr14	75623887	75623946	lymphocyte cytosolic protein 1
A_52_P628615	Fyb	10.82	chr15	6601895	6602432	FYN binding protein
A_51_P383489	Fignl1	10.78	chr11	11700898	11700957	figetin-like 1
A_52_P422494	Cd300lf	10.73	chr11	114977533	114977592	CD300 molecule like family member F
A_51_P464703	Ccl8	10.55	chr11	81930108	81930167	chemokine (C-C motif) ligand 8
A_52_P424970	Itgal	10.53	chr7	134478358	134478417	integrin alpha L

A_52_P264924	Ctsw	10.43	chr19	5465371	5465430	cathepsin W
A_51_P267314	Tbc1d10c	10.39	chr19	4184616	4184675	TBC1 domain family, member 10c
A_51_P151902	Spon1	10.32	chr7	121184084	121184143	spondin 1, (f-spondin) extracellular matrix protein
A_52_P507017	H2-Ab1	10.27	chr17	34263227	34269418	Major Histocompatibility Complex, Class II, DQ Beta 1
A_52_P552589	Map4k1	10.19	chr7	29788230	29788289	mitogen-activated protein kinase kinase kinase 1
A_52_P13448	Pclaf	10.17	chr9	65749677	65749736	PCNA clamp associated factor
A_51_P364600	Fyb	10.14	chr15	6610710	6613204	FYN binding protein
A_52_P612382	Cdc25b	10.11	chr2	131023911	131023970	cell division cycle 25B
A_51_P420400	Lef1	10.04	chr3	130907851	130926012	lymphoid enhancer binding factor 1
A_51_P302576	Spn	10.04	chr7	134278174	134278233	sialophorin
A_52_P515247	Arhgdib	9.99	chr6	136872241	136872300	Rho, GDP dissociation inhibitor
A_52_P474775	Tspan32	9.98	chr7	150205004	150205063	tetraspanin 32
A_51_P121891	Rac2	9.95	chr15	78391452	78391511	RAS-related C3 botulinum substrate 2
A_51_P313320	Cd6	9.93	chr19	10863891	10863950	CD6 antigen
A_51_P208511	Cnr2	9.92	chr4	135475595	135475654	cannabinoid receptor 2
A_52_P237087	Cd180	9.91	chr13	103494202	103494261	CD180 antigen
A_52_P137193	Al662270	9.84	chr11	83039355	83039414	expressed sequence Al662270
A_51_P219109	Il12rb1	9.80	chr8	73345189	73345248	interleukin 12 receptor, beta 1
A_51_P447866	Sash3	9.75	chrX	45514492	45514551	SAM and SH3 domain containing 3
A_51_P404815	Apol6	9.63	chr15	76887458	76887517	apolipoprotein L 6
A_51_P154780	Vav1	9.55	chr17	57451288	57454690	vav 1 oncogene
A_52_P368690	Jaml	9.42	chr9	44916279	44916338	junction adhesion molecule like
A_51_P507509	Gimap1	9.38	chr6	48693409	48693468	GTPase, IMAP family member 1
A_51_P220976	Ifng	9.31	chr10	117882614	117882673	interferon gamma
A_52_P239834	Ptprc	9.30	chr1	139962691	139962750	protein tyrosine phosphatase, receptor type, C
A_52_P244711	Tcf7	9.27	chr11	52066831	52066890	transcription factor 7, T cell specific
A_51_P167360	Ptpn7	9.20	chr1	137041106	137041165	protein tyrosine phosphatase, non-receptor type 7
A_51_P491742	Uhrf1	9.20	chr17	56462554	56462613	ubiquitin-like, containing PHD and RING finger domains, 1
A_52_P51429	Dennd1c	9.18	chr17	57205514	57205573	DENN/MADD domain containing 1C
A_52_P634218	C1s1	9.13	chr6	124481467	124481526	complement component 1, s subcomponent 1
A_51_P499918	Hck	9.09	chr2	152974812	152976739	hemopoietic cell kinase
A_51_P428708	C4b	9.05	chr17	34866361	34866420	complement component 4B (Chido blood group)
A_51_P303424	Itgax	9.01	chr7	135294052	135294111	integrin alpha X
A_51_P240453	Nusap1	9.01	chr2	119475072	119475131	nucleolar and spindle associated protein 1
A_51_P136289	Ms4a4b	8.97	chr19	11529252	11532335	membrane-spanning 4-domains, subfamily A, member 4B
A_52_P586141	Adcy7	8.97	chr8	90853657	90853716	adenylate cyclase 7
A_52_P668543	Lair1	8.95	chr7	3959947	3960006	leukocyte-associated Ig-like receptor 1
A_52_P279425	Cd96	8.91	chr16	46038560	46038619	CD96 antigen
A_52_P343455	Tnfrsf13b	8.90	chr11	60962499	60962558	tumor necrosis factor receptor superfamily, member 13b
A_52_P280044	Adam19	8.85	chr11	45960412	45960471	a disintegrin and metallopeptidase domain 19 (meltrin beta)
A_52_P260659	Kcnj10	8.82	chr1	174303962	174304021	potassium inwardly-rectifying channel, subfamily J, member 10
A_51_P291227	Arhgap30	8.75	chr1	173339923	173339982	Rho GTPase activating protein 30
A_51_P327127	Was	8.72	chrX	7658842	7658901	Wiskott-Aldrich syndrome
A_51_P331831	Hvcn1	8.66	chr5	122691981	122692040	hydrogen voltage-gated channel 1
A_51_P136288	Ms4a4b	8.66	chr19	11532321	11533680	membrane-spanning 4-domains, subfamily A, member 4B
A_51_P183912	Il27ra	8.63	chr8	86554885	86554944	interleukin 27 receptor, alpha
A_52_P513177	Sla	8.61	chr15	66613170	66613229	src-like adaptor, transcript variant 1
A_51_P146149	Napsa	8.58	chr7	51840710	51841119	napsin A aspartic peptidase
A_52_P438280	Bcl2	8.54	chr1	108607310	108607369	B cell leukemia/lymphoma 2
A_51_P145883	Btk	8.54	chrX	131077061	131077120	Bruton agammaglobulinemia tyrosine kinase
A_52_P173726	Vav1	8.53	chr17	57464127	57464186	vav 1 oncogene
A_52_P56751	Lcp1	8.51	chr14	75630210	75630269	lymphocyte cytosolic protein 1
A_51_P367100	Itih3	8.50	chr14	31721841	31721900	inter-alpha trypsin inhibitor, heavy chain 3
A_51_P320593	Def6	8.46	chr17	28365393	28365452	differentially expressed in FDCP 6
A_52_P165657	Dnase1l3	8.43	chr14	8799409	8799468	deoxyribonuclease 1-like 3
A_52_P146877	H2-DMb1	8.38	chr17	34294265	34294324	histocompatibility 2, class II, locus Mb1
A_51_P147274	Clec4a3	8.30	chr6	122919637	122919696	C-type lectin domain family 4, member a3
A_51_P368171	LOC108167440	8.30	chr7	82914026	82914083	PREDICTED: uncharacterized LOC108167440
A_51_P377452	Ncf4	8.29	chr15	78092903	78092962	neutrophil cytosolic factor 4
A_51_P243808	Traf3ip3	8.29	chr1	195001838	195001897	TRAF3 interacting protein 3
A_52_P168575	Fam169b	8.29	chr7	75507905	75507964	family with sequence similarity 169, member B
A_52_P324042	Serpina1b	8.27	chr12	104986869	104970188	Serpin Family A Member 1
A_51_P253808	Mki67	8.25	chr7	142886012	142886071	antigen identified by monoclonal antibody Ki 67
A_52_P255782	Slco2b1	8.25	chr7	106807008	106807067	solute carrier organic anion transporter family, member 2b1
A_52_P166833	Snx5	8.24	chr2	144093345	144093404	Sorting Nexin 5
A_52_P202770	Ccnb1	8.15	chr13	101549634	101549693	cyclin B1
A_51_P509651	Cep55	8.12	chr19	38148576	38148635	centrosomal protein 55
A_52_P314705	Uhrf1	8.05	chr17	56462657	56462716	ubiquitin-like, containing PHD and RING finger domains, 1
A_51_P105078	S100a4	8.04	chr3	90409842	90409902	S100 calcium binding protein A4
A_51_P302358	Ltb	8.00	chr17	35333097	35333156	lymphotoxin B
A_51_P102471	Pglyrp2	7.99	chr17	32550316	32550375	peptidoglycan recognition protein 2
A_52_P683598	H2-Ab1	7.89	chr17	34406059	34406118	histocompatibility 2, class II antigen A, beta 1
A_52_P507498	Plxnc1	7.87	chr10	94253879	94253938	plexin C1
A_52_P618417	Bin2	7.87	chr15	100471513	100471569	bridging integrator 2
A_52_P212686	Lrrk1	7.85	chr7	73430135	73430194	leucine-rich repeat kinase 1
A_51_P433615	Klhl6	7.82	chr16	19948180	19948239	kelch-like 6
A_52_P651425	Ncf1	7.80	chr5	134696729	134696788	neutrophil cytosolic factor 1
A_51_P330213	Asf1b	7.78	chr8	86493842	86493901	anti-silencing function 1B histone chaperone
A_52_P531651	Parvg	7.77	chr15	84173148	84173207	parvin, gamma
A_52_P70261	Stat1	7.76	chr1	52210706	52210765	signal transducer and activator of transcription 1
A_51_P123242	Arhgap45	7.76	chr10	79480731	79480790	Rho GTPase activating protein 45
A_52_P614303	Kif21b	7.73	chr1	138073733	138073792	kinesin family member 21B
A_52_P526740	A430093F15Rik	7.72	chr19	10860290	10860349	RIKEN cDNA A430093F15 gene
A_51_P345367	Psmb8	7.71	chr17	34337771	34337830	proteasome (prosome, macropain) subunit, beta type 8

A_52_P25026	Klra17	7.71	chr6	129818820	129822239	killer cell lectin-like receptor, subfamily A, member 17
A_51_P372702	Il16	7.70	chr7	90791654	90791713	interleukin 16
A_51_P126067	Cd2	7.69	chr3	101083802	101086981	CD2 antigen
A_51_P427663	Cnn2	7.68	chr10	79457785	79457844	calponin 2
A_51_P461665	Cxcl9	7.67	chr5	92752191	92752250	chemokine (C-X-C motif) ligand 9
A_52_P322141	Ccdc88b	7.66	chr19	6919119	6919178	coiled-coil domain containing 88B
A_51_P376127	Aire	7.64	chr10	77492823	77492882	autoimmune regulator
A_51_P131358	Selp1g	7.63	chr5	114267807	114267834	selectin, platelet (p-selectin) ligand
A_51_P189451	Klrl1	7.62	chr6	129562482	129562771	Killer Cell Lectin Like Receptor K1
A_51_P352076	Itgae	7.61	chr11	72959105	72960563	integrin alpha E, epithelial-associated
A_52_P274960	Arhgap30	7.59	chr1	173339901	173339960	Rho GTPase activating protein 30
A_52_P73475	Fam78a	7.58	chr2	31922511	31922570	family with sequence similarity 78, member A
A_51_P483324	Ptpn22	7.56	chr3	103716092	103716151	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
A_52_P282500	Kif21b	7.55	chr1	138074490	138074549	kinesin family member 21B
A_51_P372456	Wdr86	7.53	chr5	24218125	24218184	WD repeat domain 86
A_52_P236448	Ngfr	7.51	chr11	95430211	95430270	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P437426	Nrros	7.45	chr16	32143014	32143073	negative regulator of reactive oxygen species
A_51_P358344	Col17a1	7.43	chr19	47720894	47720953	collagen, type XVII, alpha 1
A_51_P333253	Myo1g	7.42	chr11	6406614	6406673	myosin IG
A_51_P104608	Rnase6	7.41	chr14	51750572	51750631	ribonuclease, RNase A family, 6
A_51_P441622	Adcy7	7.40	chr8	90852801	90852860	adenylate cyclase 7
A_51_P183581	Pou2af1	7.34	chr9	51048108	51048167	POU domain, class 2, associating factor 1
A_51_P257934	Tnfsf13b	7.29	chr8	10035561	10035620	tumor necrosis factor (ligand) superfamily, member 13b
A_51_P308844	Nrn1	7.28	chr13	36817941	36818000	neurotrophin 1
A_52_P205001	Gimap4	7.25	chr6	48640866	48640925	GTPase, IMAP family member 4
A_52_P663704	Podnl1	7.25	chr8	86656176	86656235	podocan-like 1
A_51_P312336	Slc14a1	7.22	chr18	78298526	78298585	solute carrier family 14 (urea transporter), member 1
A_52_P14600	Cd72	7.21	chr4	43463070	43465214	CD72 antigen
A_52_P75298	Cd247	7.20	chr1	167791855	167791914	CD247 antigen
A_51_P494597	Themis2	7.20	chr4	132337807	132337866	thymocyte selection associated family member 2
A_51_P125135	Cdca5	7.19	chr19	6091709	6091768	cell division cycle associated 5
A_52_P677117	Ptpcr	7.17	chr1	139960089	139960148	protein tyrosine phosphatase, receptor type, C
A_51_P208240	Tnfsf14	7.16	chr17	57329192	57329251	tumor necrosis factor (ligand) superfamily, member 14
A_51_P362877	Il21r	7.16	chr7	132776151	132776210	interleukin 21 receptor
A_52_P26991	Dcl1	7.16	chr3	55271688	55271747	doublecortin-like kinase 1
A_52_P507802	Lpar1	7.15	chr4	58448724	58448783	lysophosphatidic acid receptor 1
A_51_P517388	Plbd1	7.13	chr6	136560647	136560706	phospholipase B domain containing 1
A_52_P291	Adcy7	7.12	chr8	90830803	90830862	adenylate cyclase 7
A_51_P252157	Top2a	7.12	chr11	98857244	98858058	topoisomerase (DNA) II alpha
A_51_P15242	H2-Ab1	7.11	chr17	34401723	34401782	histocompatibility 2, class II antigen A, beta 1
A_51_P300281	Coro1a	7.10	chr7	133844338	133844397	coronin, actin binding protein 1A
A_51_P369550	Cd84	7.09	chr1	173818757	173818817	CD84 antigen
A_51_P292736	Cd72	7.04	chr4	43463042	43465186	CD72 antigen
A_51_P105887	Lax1	7.02	chr1	135576130	135576189	lymphocyte transmembrane adaptor 1
A_52_P116024	Crif3	7.02	chr11	79860687	79860746	cytokine receptor-like factor 3
A_51_P119760	H2-Aa	7.00	chr17	34420627	34420686	histocompatibility 2, class II antigen A, alpha
A_51_P212754	Tgfb1	6.99	chr13	56740460	56740519	transforming growth factor, beta induced
A_51_P501364	Tbx21	6.98	chr11	96959417	96959476	T-box 21
A_52_P457376	Fyb	6.97	chr15	6615198	6615257	FYN binding protein
A_51_P286496	Il2rb	6.96	chr15	78311109	78311168	interleukin 2 receptor, beta chain
A_51_P366672	Slc36a2	6.94	chr11	54972134	54972193	solute carrier family 36 (proton/amino acid symporter), member 2
A_51_P339822	Arhgap4	6.93	chrX	71139944	71140003	Rho GTPase activating protein 4
A_52_P66505	Gm4827	6.93	chr16	50019827	50019886	predicted gene 4827
A_51_P450191	Art4	6.92	chr6	136797251	136797310	ADP-ribosyltransferase 4
A_52_P488572	Elmo1	6.92	chr13	20382247	20382306	engulfment and cell motility 1
A_51_P262208	Itgb2	6.89	chr10	77027978	77028037	integrin beta 2
A_51_P300277	Coro1a	6.88	chr7	133843425	133843484	coronin, actin binding protein 1A
A_52_P99848	Pik3cd	6.88	chr4	149023282	149023341	phosphatidylinositol 3-kinase catalytic delta polypeptide
A_52_P27871	Fbnp1	6.88	chr2	30882538	30882597	formin binding protein 1
A_51_P390804	Wisp2	6.88	chr2	163658717	163658776	WNT1 inducible signaling pathway protein 2
A_52_P565353	Cxcr4	6.86	chr1	130485659	130485718	chemokine (C-X-C motif) receptor 4
A_51_P215237	H2-Ab1	6.86	chr17	34404388	34404447	histocompatibility 2, class II antigen A, beta 1
A_51_P465449	Mybpc3	6.85	chr2	90976577	90976636	myosin binding protein C, cardiac
A_52_P925277	Bcl11b	6.84	chr12	109148932	109148991	B cell leukemia/lymphoma 11B
A_52_P211956	Ms4a4d	6.84	chr19	11629387	11630711	membrane-spanning 4-domains, subfamily A, member 4D
A_51_P114917	Dock2	6.83	chr11	34129586	34130706	dedicator of cyto-kinesis 2
A_52_P591153	Pld4	6.80	chr12	114006018	114006077	phospholipase D family, member 4
A_52_P216672	Klk8	6.80	chr7	51057455	51057514	kallikrein related-peptidase 8
A_51_P487918	Rin1	6.79	chr7	29583737	29583796	Ras and Rab interactor-like
A_52_P508962	Kcnab2	6.79	chr4	151765339	151765398	potassium voltage-gated channel, shaker-related subfamily, beta member 2
A_52_P70255	Stat1	6.75	chr1	52211841	52211900	signal transducer and activator of transcription 1
A_51_P466378	Itgal	6.73	chr7	134477160	134477219	integrin alpha L
A_51_P214209	Spc24	6.73	chr9	21560478	21560537	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)
A_51_P473734	H2-DMA	6.72	chr17	34274300	34274863	histocompatibility 2, class II, locus DMA
A_51_P171382	Cd163l1	6.68	chr7	147416949	147417008	CD163 molecule-like 1
A_51_P439326	Arhgap9	6.66	chr10	126765576	126765988	Rho GTPase activating protein 9
A_52_P397204	Csk	6.64	chr9	57474734	57474793	c-src tyrosine kinase
A_52_P598495	Serpina1c	6.61	chr12	105137263	105137322	serine (or cysteine) peptidase inhibitor, clade A, member 1C
A_51_P106322	Gpsm3	6.61	chr17	34728410	34728469	G-protein signalling modulator 3 (AGS3-like, C. elegans)
A_52_P496956	Acsbg1	6.60	chr9	54453010	54453069	acyl-CoA synthetase bubblegum family member 1
A_52_P544421	Gbp8	6.56	chr5	105446707	105446766	guanylate-binding protein 8
A_52_P67079	Def6	6.54	chr17	28365142	28365201	differentially expressed in FDCP 6
A_51_P281033	Coro2a	6.54	chr4	46550476	46550535	coronin, actin binding protein 2A
A_51_P246119	Cenpf	6.51	chr1	191465934	191465993	centromere protein F

A_51_P114634	Amz1	6.50	chr5	141229165	141229224	archaelysin family metalloproteinase 1
A_51_P402359	Btla	6.49	chr16	45252118	45252177	B and T lymphocyte associated
A_52_P99810	Cx3cr1	6.48	chr9	119959018	119959077	chemokine (C-X3-C motif) receptor 1
A_51_P224013	Tk1	6.46	chr11	117677105	117677164	thymidine kinase 1
A_52_P472888	Malt1	6.44	chr18	65613877	65613936	MALT1 paracaspase
A_52_P375312	Jaml	6.44	chr9	44915486	44915545	junction adhesion molecule like
A_51_P445726	Pirb	6.44	chr7	3664148	3664207	paired Ig-like receptor B
A_51_P236303	Serpina1d	6.44	chr12	105001833	105001892	serine (or cysteine) peptidase inhibitor, clade A, member 1D
A_52_P268911	Ikzf2	6.42	chr1	69728793	69728852	IKAROS family zinc finger 2
A_52_P664899	Elavl2	6.41	chr4	90918411	90918470	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)
A_51_P499195	Nkg7	6.38	chr7	50693148	50693207	natural killer cell group 7 sequence
A_51_P276267	Spib	6.37	chr7	51781646	51781705	Spi-B transcription factor (Spi-1/PU.1 related)
A_52_P63044	Lsp1	6.37	chr7	149675860	149675919	lymphocyte specific 1
A_52_P328350	Ryr3	6.35	chr2	112471931	112471990	ryanodine receptor 3
A_51_P326994	Calhm2	6.34	chr19	47206942	47207001	calcium homeostasis modulator 2
A_51_P492830	Cenph	6.33	chr13	101534182	101536833	centromere protein H
A_52_P658437	Espl1	6.32	chr15	102153644	102153882	extra spindle pole bodies 1, separase
A_51_P435617	Best3	6.30	chr10	116432899	116432958	Bestrophin 3
A_51_P445728	Pirb	6.30	chr7	3664158	3664217	paired Ig-like receptor B
A_52_P237948	Tm6sf1	6.28	chr7	89028488	89028547	transmembrane 6 superfamily member 1
A_52_P49983	Pla2g5	6.25	chr4	138355365	138355424	phospholipase A2, group V
A_51_P369200	Tpx2	6.23	chr2	152719476	152719535	TPX2, microtubule-associated
A_51_P345366	Psmb8	6.22	chr17	34337828	34338152	proteasome (prosome, macropain) subunit, beta type 8
A_52_P338066	Ubd	6.20	chr17	37332688	37332747	ubiquitin D
A_51_P484371	Tnfsf8	6.16	chr4	63494489	63494548	tumor necrosis factor (ligand) superfamily, member 8
A_52_P364776	Mcm3	6.15	chr1	20795363	20795879	minichromosome maintenance complex component 3
A_51_P375543	Myb	6.15	chr10	20844963	20845022	myeloblastosis oncogene
A_51_P176156	Sirpb1b	6.13	chr3	15542342	15542401	signal-regulatory protein beta 1B
A_52_P440885	9630023C09Rik	6.13	chr11	44553363	44553422	BB183876 RIKEN full-length enriched, adult male spinal cord cDNA
A_52_P105179	Stum	6.12	chr1	182362524	182362583	mechanosensory transduction mediator
A_51_P489289	Rhoh	6.11	chr5	66284449	66284508	ras homolog family member H
A_51_P469433	Tnfrsf4	6.11	chr4	155390635	155390694	tumor necrosis factor receptor superfamily, member 4
A_52_P664404	Zfp286	6.11	chr11	62593119	62593178	zinc finger protein 286
A_52_P107538	Gmfg	6.07	chr7	29226718	29228278	glia maturation factor, gamma
A_51_P151126	Cd52	6.07	chr4	133649505	133649564	CD52 antigen
A_52_P14686	Dtl	6.05	chr1	193361353	193361412	denticuleless E3 ubiquitin protein ligase
A_51_P187262	Mmp25	6.04	chr17	23767090	23767149	matrix metalloproteinase 25
A_52_P277104	Bank1	6.04	chr3	135716867	135716926	B cell scaffold protein with ankyrin repeats 1
A_51_P518528	Dpy19l1	6.03	chr9	24216536	24216595	dpy-19-like 1 (C. elegans)
A_51_P303749	Depdc1b	6.03	chr13	109179573	109179632	DEP domain containing 1B
A_52_P496503	Stat1	6.02	chr1	52216782	52216841	signal transducer and activator of transcription 1
A_51_P489736	Nemp2	5.99	chr1	52708426	52708485	nuclear envelope integral membrane protein 2
A_51_P208793	C1s1	5.98	chr6	124480828	124480887	complement component 1, s subcomponent 1
A_51_P450033	Cdk1	5.96	chr10	68805423	68807832	cyclin-dependent kinase 1
A_52_P150547	Cd8a	5.95	chr6	71323885	71323944	CD8 antigen, alpha chain
A_51_P155142	Cdca8	5.94	chr4	124595809	124595868	cell division cycle associated 8
A_51_P401668	Laptn5	5.94	chr4	130490785	130490844	lysosomal-associated protein transmembrane 5
A_51_P230942	Runx2	5.93	chr17	44741014	44741073	runx related transcription factor 2
A_52_P621940	Epb41l2	5.89	chr10	25225994	25226053	erythrocyte membrane protein band 4.1 like 2
A_51_P461877	Thbs2	5.89	chr17	14804526	14805789	thrombospondin 2
A_51_P100852	Fam26f	5.87	chr10	33846211	33846270	family with sequence similarity 26, member F
A_51_P294555	Ifitm6	5.87	chr7	148201714	148201773	interferon induced transmembrane protein 6
A_51_P351970	Hells	5.86	chr19	39039914	39039973	helicase, lymphoid specific
A_51_P352875	Lcp2	5.86	chr11	33990902	33990961	lymphocyte cytosolic protein 2
A_51_P471659	Alox12e	5.85	chr11	70129157	70129216	arachidonate lipoxygenase, epidermal
A_51_P108108	Lrrc25	5.85	chr8	73144658	73144717	leucine rich repeat containing 25
A_52_P482063	Tra2a	5.81	chr6	49210730	49210789	transformer 2 alpha homolog
A_52_P614777	Sucnr1	5.81	chr3	59891281	59891340	succinate receptor 1
A_51_P109508	Havcr2	5.79	chr11	46294650	46294709	hepatitis A virus cellular receptor 2
A_51_P505617	Il18r1	5.78	chr1	40557541	40557600	interleukin 18 receptor 1
A_51_P497741	Wdr95	5.78	chr5	150414410	150414468	WD40 repeat domain 95
A_52_P591431	Tra2a	5.78	chr6	49196959	49199039	transformer 2 alpha homolog (Drosophila)
A_52_P184548	Ctla4	5.78	chr1	60971508	60971567	cytotoxic T-lymphocyte-associated protein 4
A_51_P328725	Sik1	5.75	chr17	31981508	31981567	salt inducible kinase 1
A_51_P196973	Chaf1a	5.74	chr17	56206969	56207028	chromatin assembly factor 1, subunit A
A_51_P427516	Thsd1	5.72	chr8	23370246	23370305	thrombospondin, type I, domain 1
A_51_P376050	Epsit1	5.72	chr14	78401959	78402018	epithelial stromal interaction 1 (breast)
A_51_P293938	Rasl11b	5.71	chr5	74595213	74595272	RAS-like, family 11, member B
A_52_P379531	Timeless	5.71	chr10	127681744	127681803	timeless circadian clock 1
A_51_P335146	H60a	5.69	chr10			histocompatibility 60a
A_51_P171772	Bcl11b	5.67	chr12	109153847	109153906	B cell leukemia/lymphoma 11B
A_51_P297679	Hcls1	5.66	chr16	36963165	36963224	hematopoietic cell specific Lyn substrate 1
A_51_P121031	March1	5.64	chr8	68994134	68994193	membrane-associated ring finger (C3HC4) 1
A_51_P375862	Srp3k	5.64	chrX	71024011	71024070	serine/arginine-rich protein specific kinase 3
A_52_P16973	D930017J03Rik	5.64	chr14	52704744	52704804	RIKEN cDNA D930017J03 gene
A_51_P284608	Cd74	5.60	chr18	60972075	60972132	CD74 antigen
A_51_P187898	H60a	5.59	chr10	22026996	22027055	histocompatibility 60a (H60a)
A_51_P142604	Nfam1	5.59	chr15	82828622	82828681	Nfat activating molecule with ITAM motif 1
A_51_P208525	Cr2	5.58	chr1	196967371	196967430	complement receptor 2
A_51_P400543	Aif1	5.55	chr17	35307959	35308018	allograft inflammatory factor 1
A_51_P393226	H2-Eb1	5.55	chr17	34452050	34452511	histocompatibility 2, class II antigen E beta
A_51_P362029	Cd48	5.54	chr1	173635107	173635165	CD48 antigen
A_51_P420731	Thy1	5.54	chr9	43854991	43855436	thymus cell antigen 1, theta
A_51_P393310	Sid1	5.53	chr16	44240873	44240932	SID1 transmembrane family, member 1

A_51_P163953	Nsg2	5.53	chr11	31959102	31959161	neuron specific gene family member 2
A_52_P374545	Gimap3	5.53	chr6	48715034	48715093	GTPase, IMAP family member 3
A_51_P448762	Txk	5.52	chr5	73087590	73087644	TXK tyrosine kinase
A_52_P97572	Aplnr	5.51	chr2	84979638	84979697	apelin receptor
A_51_P280785	Plekha2	5.48	chr8	26153117	26153176	pleckstrin homology domain-containing, family A, member 2
A_51_P302651	Topbp1	5.44	chr9	103252324	103252383	topoisomerase (DNA) II binding protein 1
A_51_P204402	Shcbp1	5.43	chr8	4736001	4736060	Shc SH2-domain binding protein 1
A_52_P548921	Lrrk1	5.43	chr7	73486587	73486646	leucine-rich repeat kinase 1
A_52_P479249	Thy1	5.42	chr9	43856600	43856659	thymus cell antigen 1, theta
A_51_P294505	Ms4a4d	5.42	chr19	11627340	11629316	membrane-spanning 4-domains, subfamily A, member 4D
A_52_P38639	Fermt3	5.41	chr19	7074257	7076292	fermitin family member 3
A_52_P49071	Id2	5.41	chr12	25780080	25780139	inhibitor of DNA binding 2
A_51_P402760	Pla2g4a	5.41	chr1	151677133	151677192	phospholipase A2, group IVA (cytosolic, calcium-dependent)
A_52_P189358	Rnf150	5.40	chr8	85614827	85614886	ring finger protein 150
A_51_P176811	Tspan10	5.38	chr11	120380204	120380263	tetraspanin 10
A_51_P409496	Arhgap11a	5.38	chr2	113671649	113671686	Rho GTPase activating protein 11A
A_52_P148553	Fignl1	5.37	chr11	11700853	11700912	fidgetin-like 1
A_51_P259603	Adcyap1r1	5.37	chr6	55450829	55450888	adenylate cyclase activating polypeptide 1 receptor 1
A_51_P267447	Adam19	5.37	chr11	45959545	45959604	a disintegrin and metalloproteinase domain 19 (meltrin beta)
A_51_P108788	Bpifb5	5.36	chr2	154064627	154066530	BPI fold containing family B, member 5
A_51_P441843	Fanci	5.35	chr7	86594919	86594978	Fanconi anemia, complementation group I
A_51_P342906	Sh3bp1	5.34	chr15	78742420	78742479	SH3-domain binding protein 1
A_51_P164014	Cenpe	5.34	chr3	134936387	134936446	centromere protein E
A_51_P499838	Bst1	5.34	chr5	44233465	44233524	bone marrow stromal cell antigen 1
A_51_P371279	Icos	5.34	chr1	61055103	61055162	inducible T cell co-stimulator
A_51_P218774	Rgs10	5.33	chr7	135517256	135517315	regulator of G-protein signalling 10
A_51_P497171	Ly9	5.33	chr1	173518744	173518790	lymphocyte antigen 9
A_51_P399896	Matk	5.31	chr10	80725246	80725393	megakaryocyte-associated tyrosine kinase
A_51_P481920	Ccna2	5.29	chr3	36463978	36464037	cyclin A2
A_51_P456952	Il2rg	5.27	chrX	98461022	98461535	interleukin 2 receptor, gamma chain
A_51_P413866	Cfb	5.26	chr17	34993502	34993858	complement factor B
A_52_P664405	Zfp286	5.26	chr11	62593124	62593183	zinc finger protein 286
A_51_P230103	Birc5	5.24	chr11	117716959	117717018	baculoviral IAP repeat-containing 5
A_52_P362603	Dscc1	5.22	chr15	54915650	54915709	DNA replication and sister chromatid cohesion 1
A_52_P139650	Ska1	5.21	chr18	74356611	74356670	spindle and kinetochore associated complex subunit 1
A_51_P167803	Pde1b	5.18	chr15	103360357	103360416	phosphodiesterase 1B, Ca2+-calmodulin dependent
A_51_P378298	Fcmmr	5.17	chr1	132777256	132777315	Fc fragment of IgM receptor
A_51_P268234	Il34	5.16	chr8	113265835	113265894	interleukin 34
A_52_P27602	Kif23	5.15	chr9	61767733	61768853	kinesin family member 23
A_51_P449329	H2-Oa	5.15	chr17	34231964	34232024	histocompatibility 2, O region alpha locus
A_51_P110301	C3	5.12	chr17	57343416	57343475	complement component 3
A_51_P438657	Ipcsf1	5.11	chr10	3459901	3459960	interaction protein for cytohesin exchange factors 1
A_52_P657800	Cep152	5.11	chr2	125389336	125389395	centrosomal protein 152
A_51_P377171	Tespa1	5.11	chr10	129799311	129799370	thymocyte expressed, positive selection associated 1
A_52_P637282	Wipf1	5.10	chr2	73267829	73267888	WAS/WASL interacting protein family, member 1
A_52_P1020860	AW112010	5.10	chr19	11122349	11122408	expressed sequence AW112010
A_51_P503797	Lair1	5.09	chr7	3960758	3960817	leukocyte-associated Ig-like receptor 1
A_51_P305003	Ntrk1	5.09	chr3	87583999	87584058	neurotrophic tyrosine kinase, receptor, type 1
A_51_P448664	Tbxas1	5.09	chr6	39034356	39034415	thromboxane A synthase 1, platelet
A_51_P268193	Slc7a10	5.09	chr7	35985868	35985927	solute carrier family 7 (cationic amino acid transporter, y+ system), member 10
A_52_P193823	Rpl9	5.07	chr5	65780200	65780259	ribosomal protein L9
A_51_P344606	Prph	5.06	chr15	98887297	98887356	peripherin
A_51_P422300	Ms4a6b	5.06	chr19	11604383	11604442	membrane-spanning 4-domains, subfamily A, member 6B
A_52_P399934	Dusp2	5.06	chr2	127163930	127163989	dual specificity phosphatase 2
A_51_P417257	Ppp1r2	5.05	chr16	31272025	31272084	protein phosphatase 1, regulatory inhibitor subunit 2
A_51_P508341	Reep1	5.04	chr6	71760436	71760495	receptor accessory protein 1
A_52_P354752	Rnf144b	5.03	chr13	47341642	47341701	ring finger protein 144B
A_52_P460230	Cd48	5.03	chr1	173625933	173625992	CD48 antigen
A_51_P489268	Ncapg	5.02	chr5	46091297	46091355	non-SMC condensin I complex, subunit G
A_52_P10793	Ptn	5.01	chr6	36691386	36693332	pleiotrophin

Downregulated ≥5-fold in 12 week old NOD vs. NOD.B10 islets

Probe	Gene	Fold change	Chromosome	Start	End	Description
A_52_P578763	Defa1	-287.34	chr8			defensin, alpha 1
A_52_P514200	Defa6	-135.43	chr8	22845161	22845779	defensin, alpha, 6
A_52_P994399	Defa4	-62.93	chr8	22675993	22676052	defensin, alpha, 4
A_51_P229403	Lypd8	-50.61	chr11	58203969	58204028	LY6/PLAUR domain containing 8
A_51_P354126	Reg3g	-43.06	chr6	78416420	78416479	regenerating islet-derived 3 gamma
A_51_P467086	Defa3	-40.76	chr8	22427232	22427291	defensin, alpha, 3
A_51_P209122	Agr2	-39.98	chr12	36730506	36730565	anterior gradient 2
A_51_P475689	Cd209b	-39.59	chr8	3918527	3918586	CD209b antigen
A_51_P456208	Tff3	-32.25	chr17	31262279	31262338	trefoil factor 3, intestinal
A_51_P217218	Il6	-28.85	chr5	30346362	30346421	interleukin 6
A_52_P267717	Cd209b	-25.44	chr8	3921355	3921414	CD209b antigen
A_52_P177054	Il22	-23.37	chr10	117646736	117646795	interleukin 22
A_51_P253207	Slc51a	-22.13	chr16	32475636	32475695	solute carrier family 51, alpha subunit
A_51_P374726	Ptx3	-22.03	chr3	66029245	66029304	pentraxin related gene
A_51_P308796	Fos1	-21.37	chr19	5455496	5455555	fos-like antigen 1
A_51_P313581	Fabp2	-21.10	chr3	122602276	122602335	fatty acid binding protein 2, intestinal
A_51_P422751	Clca1	-21.05	chr3	144667558	144667617	chloride channel accessory 1
A_52_P669922	Hamp	-20.93	chr7	31727490	31727549	hepcidin antimicrobial peptide
A_51_P440315	Gys2	-18.90	chr6	142371206	142371265	glycogen synthase 2
A_51_P143031	Eps8l3	-18.36	chr3	107695731	107695790	EPS8-like 3
A_51_P362176	Fgg	-18.05	chr3	82818825	82818884	fibrinogen gamma chain

A_52_P295432	Cxcl5	-17.59	chr5	91190205	91190264	chemokine (C-X-C motif) ligand 5
A_51_P421780	Myo18b	-17.52	chr5	113117913	113117972	myosin XVIIIb
A_52_P26161	Ptx3	-17.38	chr3	66029200	66029259	pentraxin related gene
A_51_P199168	Cidea	-13.15	chr18	67527351	67527410	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A
A_51_P133562	Serpina6	-13.09	chr12	104884880	104884939	serine (or cysteine) peptidase inhibitor, clade A, member 6
A_51_P188704	Unc13a	-12.83	chr8	74184257	74184316	unc-13 homolog A (C. elegans)
A_51_P231103	Defb1	-12.49	chr8	22905030	22905089	defensin beta 1
A_51_P487818	Fabp1	-12.39	chr6	71154906	71154965	fatty acid binding protein 1, liver
A_51_P232628	Il22	-12.03	chr10	117646653	117646712	interleukin 22
A_52_P321140	Defb1	-11.83	chr8	22905041	22905100	defensin beta 1
A_51_P428483	Fgb	-11.72	chr3	82846334	82846393	fibrinogen beta chain
A_52_P138919	Hdx	-11.62	chrX	108683845	108683904	highly divergent homeobox
A_51_P140237	Fhl2	-11.09	chr1	43179994	43180053	four and a half LIM domains 2
A_51_P411345	Mogat2	-10.97	chr7	106367601	106367660	monoacylglycerol O-acyltransferase 2
A_52_P416756	D17H6S56E-5	-10.95	chr17	35134653	35134712	DNA segment, Chr 17, human D6S56E 5
A_52_P592970	AY761184	-10.65	chr8	22813113	22813172	cDNA sequence AY761184
A_51_P452768	Cyp4f14	-10.61	chr17	33042214	33042273	cytochrome P450, family 4, subfamily f, polypeptide 14
A_51_P492456	Has1	-10.60	chr17	17980413	17980472	hyaluronan synthase1
A_51_P179480	4930539E08Rik	-10.22	chr17	29033340	29033393	RIKEN cDNA 4930539E08 gene
A_52_P675556	Ghrl	-10.21	chr6	113666248	113667090	ghrelin
A_51_P317176	Csf3	-10.20	chr11	98564614	98564673	colony stimulating factor 3 (granulocyte)
A_52_P178718	AY761184	-10.12	chr8	22812996	22813001	cDNA sequence AY761184
A_51_P211998	Sgms2	-10.10	chr3	131025871	131025930	sphingomyelin synthase 2
A_51_P479818	Lonrf3	-9.95	chrX	33902253	33902312	LON peptidase N-terminal domain and ring finger 3
A_52_P291071	Fbxw18	-9.90	chr9	109579341	109579400	F-box and WD-40 domain protein 18
A_51_P356467	Cldn4	-9.82	chr5	135421347	135421406	claudin 4
A_51_P299062	Kel	-9.76	chr6	41636474	41636533	Kell blood group
A_51_P490456	Cidec	-9.52	chr6	113374693	113374752	cell death-inducing DFFA-like effector c
A_51_P436652	Ccl7	-9.16	chr11	81860656	81860715	chemokine (C-C motif) ligand 7
A_52_P249336	Defa20	-9.15	chr8	22619859	22619918	defensin, alpha, 20
A_51_P134468	D17H6S56E-5	-9.14	chr17	35134128	35134187	DNA segment, Chr 17, human D6S56E 5
A_51_P378210	Guca2a	-9.13	chr4	119311857	119311916	guanylate cyclase activator 2a (guanylin)
A_51_P205106	Mlf1	-9.09	chr3	67203684	67203743	myeloid leukemia factor 1
A_51_P331570	Trib3	-9.08	chr2	152163355	152163414	tribbles pseudokinase 3
A_51_P362818	Nlrp6	-9.06	chr7	148114024	148114083	NLR family, pyrin domain containing 6
A_52_P483105	Lpin1	-8.74	chr12	16544209	16544268	lipin 1
A_52_P637988	Slc1a1	-8.50	chr19	28987016	28987075	solute carrier family 1, member 1
A_51_P491075	Cfap53	-8.48	chr18	74519376	74519435	cilia and flagella associated protein 53
A_51_P386648	Glod5	-8.39	chrX	7581343	7581402	glyoxalase domain containing 5
A_52_P483104	Lpin1	-8.24	chr12	16544189	16544248	lipin 1
A_51_P169671	Reg3b	-8.18	chr6	78323323	78323382	regenerating islet-derived 3 beta
A_51_P431329	Car3	-8.11	chr3	14871781	14871840	carbonic anhydrase 3
A_51_P327751	Ifit1	-8.10	chr19	34723796	34723855	interferon-induced protein with tetratricopeptide repeats 1
A_52_P533146	Ddit3	-8.10	chr10	126732518	126732821	DNA-damage inducible transcript 3
A_52_P232580	Dyrk3	-8.02	chr1	133025135	133025194	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
A_51_P207591	Anxa8	-8.01	chr14	34913661	34913720	annexin A8
A_51_P328631	Sis	-7.96	chr3	72692810	72692869	sucrase isomaltase (alpha-glucosidase)
A_52_P267564	Creb5	-7.91	chr6	53645736	53645795	cAMP responsive element binding protein 5
A_52_P403484	Ptpn2	-7.90	chr18	67831676	67831735	protein tyrosine phosphatase, non-receptor type 2
A_52_P483101	Lpin1	-7.84	chr12	16544129	16544188	lipin 1
A_52_P593965	Fdps	-7.72	chr3	88903026	88903085	farnesyl diphosphate synthetase
A_52_P172441	Fitm2	-7.68	chr2	163294444	163294503	fat storage-inducing transmembrane protein 2
A_51_P236846	F3	-7.50	chr3	121437335	121437394	coagulation factor III
A_51_P315785	Tnfrsf6	-7.39	chr2	51912004	51912063	tumor necrosis factor alpha induced protein 6
A_51_P279038	Ppargc1a	-7.37	chr5	51848928	51848987	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha
A_52_P208763	Ccl7	-7.32	chr11	81860504	81860563	chemokine (C-C motif) ligand 7
A_51_P325904	Inhbb	-7.20	chr1	121312083	121312142	inhibin beta-B
A_52_P683413	F3	-7.20	chr3	121437295	121437354	coagulation factor III
A_51_P292403	Sdc2	-7.18	chr15	32962294	32962353	syndecan 2
A_51_P501554	Tm4sf20	-7.17	chr1	82753547	82753606	transmembrane 4 L six family member 20
A_52_P232813	Cxcl3	-7.10	chr5	91216694	91216753	chemokine (C-X-C motif) ligand 3
A_52_P650453	Spink4	-7.01	chr4	40876206	40878330	serine peptidase inhibitor, Kazal type 4
A_52_P5945	Ppargc1a	-6.95	chr5	51846897	51846956	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha
A_51_P437079	5730559C18Rik	-6.94	chr1	138110704	138110763	RIKEN cDNA 5730559C18 gene
A_51_P243514	Macc1	-6.85	chr12	120705295	120705354	metastasis associated in colon cancer 1
A_51_P136143	Aloxe3	-6.69	chr11	68962402	68962461	arachidonate lipoxygenase 3
A_51_P257951	Retnla	-6.67	chr16	48844447	48844506	resistin like alpha
A_51_P305896	Cftr	-6.61	chr6	18272483	18272542	cystic fibrosis transmembrane conductance regulator
A_51_P380078	Fcgbp	-6.59	chr7	28905517	28905576	Fc fragment of IgG binding protein
A_51_P394115	Aadac	-6.43	chr3	59843885	59843944	arylacetamide deacetylase
A_51_P464000	Ghrl	-6.21	chr6	113667101	113669108	ghrelin
A_51_P337269	Aldob	-6.21	chr4	49549408	49549467	aldolase B, fructose-bisphosphate
A_52_P405465	Piga	-6.18	chrX	160869912	160869971	phosphatidylinositol glycan anchor biosynthesis, class A
A_52_P386754	Blcap	-6.16	chr2	157390091	157390150	bladder cancer associated protein
A_52_P342860	Ces1c	-6.12	chr8	95622965	95623024	carboxylesterase 1C
A_51_P343647	Zfp871	-6.05	chr17	32910629	32910688	zinc finger protein 871
A_51_P346565	Sdk2	-6.04	chr11	113709878	113709937	sidekick cell adhesion molecule 2
A_52_P681557	Naaladl2	-6.00	chr3	23703403	23703462	N-acetylated alpha-linked acidic dipeptidase-like 2
A_51_P514085	Mx2	-5.98	chr16	97782327	97782386	MX dynamin-like GTPase 2
A_51_P325173	Tpm1	-5.97	chr9	66875959	66877514	tropomyosin 1, alpha
A_51_P418434	Lrrc18	-5.97	chr14	33822272	33822331	leucine rich repeat containing 18
A_51_P103435	RspH4a	-5.92	chr10	33635246	33635305	radial spoke head 4 homolog A (Chlamydomonas)
A_52_P371949	Elf6	-5.87	chr2	155650902	155650961	eukaryotic translation initiation factor 6
A_52_P258557	Slc26a9	-5.83	chr1	133666246	133666305	solute carrier family 26, member 9

A_51_P505134	Rsad2	-5.83	chr12	27130424	27133462	radical S-adenosyl methionine domain containing 2
A_51_P279693	Cyp1a1	-5.82	chr9	57551535	57551594	cytochrome P450, family 1, subfamily a, polypeptide 1
A_52_P120803	Ankrd1	-5.78	chr19	36186809	36186868	ankyrin repeat domain 1 (cardiac muscle)
A_51_P507622	Itpkc	-5.76	chr7	27992416	27992475	inositol 1,4,5-trisphosphate 3-kinase C
A_52_P276348	Adh6a	-5.75	chr3	137990401	137990460	alcohol dehydrogenase 6A (class V)
A_52_P799815	Tmem171	-5.74	chr13	99456355	99456414	transmembrane protein 171
A_52_P419455	Adora2b	-5.70	chr11	62079096	62079155	adenosine A2b receptor
A_51_P267783	Il11	-5.69	chr7	4724847	4724906	interleukin 11
A_52_P591017	Tpbp	-5.64	chr9	85739295	85739354	trophoblast glycoprotein
A_51_P209372	Msmo1	-5.62	chr8	67196982	67197041	methylsterol monooxygenase 1
A_51_P342567	Akap12	-5.60	chr10	5987207	5987266	A kinase (PRKA) anchor protein (gravin) 12
A_52_P185136	Ddo	-5.59	chr10	40361220	40361279	D-aspartate oxidase
A_51_P510156	Lcn2	-5.58	chr2	32241037	32241281	lipocalin 2
A_51_P294375	5730559C18Rik	-5.55	chr1	138120169	138120228	RIKEN cDNA 5730559C18 gene
A_51_P488739	Hcar2	-5.51	chr5	124313731	124313790	hydroxycarboxylic acid receptor 2
A_52_P643165	Samd4	-5.50	chr14	47725267	47725326	sterile alpha motif domain containing 4
A_51_P204252	Efhb	-5.48	chr17	53538265	53538324	EF hand domain family, member B
A_51_P131408	Tnfrsf12a	-5.46	chr17	23812746	23812805	tumor necrosis factor receptor superfamily, member 12a
A_51_P108266	Actn2	-5.45	chr13	12364990	12367362	actinin alpha 2
A_51_P461684	Gprc5a	-5.39	chr6	135034502	135034561	G protein-coupled receptor, family C, group 5, member A
A_52_P106620	Tnfrsf11b	-5.38	chr15	54082760	54082819	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)
A_51_P339793	Il1rl1	-5.37	chr1	40504769	40504828	interleukin 1 receptor-like 1
A_51_P418432	Lrrc18	-5.35	chr14	33822400	33827014	leucine rich repeat containing 18
A_51_P337210	Lrrc4	-5.35	chr6	28779538	28779597	leucine rich repeat containing 4
A_51_P356642	Krt19	-5.31	chr11	100002392	100002451	keratin 19
A_52_P419505	Galnt3	-5.30	chr2	65932874	65932933	polypeptide N-acetylgalactosaminyltransferase 3
A_51_P485756	Nts	-5.28	chr10	101944967	101945026	neurotensin
A_51_P298837	Spock1	-5.26	chr13	57527452	57527491	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 1
A_51_P381208	Ngf	-5.25	chr3	102324829	102324888	nerve growth factor
A_52_P670026	Rsad2	-5.23	chr12	27127859	27127918	radical S-adenosyl methionine domain containing 2
A_51_P451292	Phactr3	-5.22	chr2	178070557	178070616	phosphatase and actin regulator 3
A_51_P296608	Gadd45a	-5.21	chr6	66985376	66985435	growth arrest and DNA-damage-inducible 45 alpha
A_52_P174166	Ksr2	-5.18	chr5	118215982	118216041	kinase suppressor of ras 2
A_52_P207194	Dgkg	-5.12	chr16	22596965	22597024	diacylglycerol kinase, gamma
A_51_P505132	Rsad2	-5.11	chr12	27135585	27138886	radical S-adenosyl methionine domain containing 2
A_51_P286737	Ccl2	-5.10	chr11	81850650	81850709	chemokine (C-C motif) ligand 2
A_52_P563375	Lgals2	-5.05	chr15	78681315	78681374	lectin, galactose-binding, soluble 2
A_52_P617327	Rcan1	-5.04	chr16	92392763	92392822	regulator of calcineurin 1
A_52_P518997	Epha2	-5.04	chr4	140885139	140885198	Eph receptor A2
A_52_P621588	Ifnlr1	-5.01	chr4	135263946	135264005	interferon lambda receptor 1
A_51_P297069	Tmod1	-5.00	chr4	46127384	46127441	tropomodulin 1