

Supplemental Information

A point mutation in the *Ncr1* signal peptide impairs the development of innate lymphoid cell subsets

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Methods

Isolation of intestinal intraepithelial and lamina propria lymphocytes. Intestinal LPL were isolated from the intestine by incubation for 45 min at 37 °C in Ca²⁺ and Mg²⁺ free Hanks medium plus 1 mM EDTA, 15 mM HEPES and 10% FCS, with gentle shaking for removal of intestinal epithelial cells. Supernatants were spun down, pellet corresponding to the intraepithelial lymphocyte fraction (IEL). The remaining tissues were then incubated with gentle shaking for 45 min in 1 mg/ml collagenase type III (Worthington), 200 µg/ml DNase I (Roche), 0.4 units/ml Dispase (Gibco) in RPMI1640 medium plus 2% FCS. Preparations were filtered and mononuclear cells were isolated on a 40%-80% Percoll gradient. Lymphocytes were recovered from the interface and were washed twice, corresponding then to the lamina propria (LP).

Exome sequencing. To identify the genetic mutation responsible for the reduced NKp46 expression in the Ly5.1^{C14R} strain we performed exome sequencing on two mice from this strain and the C57BL/6 × Ly5.1^{C14R} mice which expressed normal NKp46 protein levels. Briefly, DNA was extracted from splenocytes for exome sequencing using DNeasy blood and tissue kit (Qiagen). Exome sequencing was performed at the Australian Genomics Research Facility (Melbourne) according to standard protocols. Briefly, exome sequencing and variant calling was performed by the Australian Genome Research Facility. Samples were prepared in accordance with Agilent's SureSelectXT Target Enrichment System for Illumina Paired-End Sequencing Library protocol. Briefly 3 µg of DNA was sheared to ~200 bp on a Covaris E220 system (Covaris, Woburn, MA USA). Sheared DNA underwent end-repair, A-tailing, adapter ligation and amplification. Pre-capture libraries were assessed by electrophoresis using the TapeStation 2100 DNA 1000 Tape Screen Assay (Agilent Technologies, Santa Clara, CA, USA) before hybridization with Agilent SureSelect Mouse All Exon v1 probes for 16 hrs, followed by capture of hybridized library using streptavidin-coated beads and amplification. The final captured libraries were assessed using the TapeStation 2100 and qPCR (Kappa Biosystems, Wilmington, MA, USA) prior to sequencing on the HiSeq 2500 sequencer (Illumina San Diego, CA USA), with three samples in a lane using the 100bp paired-end configuration. Sequences were aligned to the mouse genome (mm10) using BWA mem (v0.7.12-r1039), and duplicates were marked using Picard (version 2.6.0). The samples were then processed according to GATK (3.6) best practice guidelines, with base quality score recalibration and variant calling using HaplotypeCaller. Annotations were added with the Ensembl Variant Effect Predictor (VEP, version 83).

Sanger sequencing. To further confirm the *Ncr1* mutation identified by exome sequencing we performed Sanger sequencing on C57BL/6, C57BL/6 × Ly5.1 and WEHI *B6.SJL-Ptprca Pepcb/BoyJ* mice. Briefly, total DNA was extracted from splenocytes using DNeasy blood and tissue kit (Qiagen) and amplified by PCR using nested *Ncr1* specific primers (mNKp46ext and mNKp46int). Sanger sequencing was performed at the Australian Genomics Research Facility (Melbourne) according to standard protocols using the reverse primer mNKp46seq.

Primers: mNKp46ext forward 5'-GTAAAGGGAGAGCTGTGAACCT-3', mNKp46ext reverse 5'-ATGATGGGTTTCGGGAGAGTC-3'; mNKp46int forward 5'-TCCCATGGTGACTAGTGTCAG-3', mNKp46int reverse 5'-AGCAGGTATCCCAGGTGAAC-3'; mNKp46seq reverse 5'-CCCCTTTATCTCAACCGCCAGC-3'.

Quantitative PCR. RNA was isolated from sorted NK cells using RNAqueous-Micro Kit (Life Technologies) and converted into cDNA using M-MLV RT (H-) (Promega) according to the manufacturer's protocol after treatment with DNase I for 30 min at 37 °C. cDNA was amplified on the real-time PCR system StepOnePlus (Applied Biosystems) using SYBR Green chemistry (Roche) for detection. Copy number for NKp46 transcripts were normalized with 18S rRNA (Δ Ct method) and set relative to the mean of the relative NKp46 transcript levels of C57BL/6 NK cells. Primers: 18S rRNA forward 5'-CGGCTACCACATCCAAGGAA-3', 18S rRNA reverse 5'-GCTGGAATTACCGCGGCT-3'; NKp46 forward 5'-AGGAGGTGTTGAGAACAGCAG-3', NKp46 reverse 5'-GCGGAGTCCTTTTGTAAATCCTG-3'.

Transfection and flow cytometric analysis. 293T cells were cultured in Dulbecco's Modified Eagle's Medium and were transfected with the appropriate RSV.5neo expression vectors containing NKp46 WT or mutant cDNA with Flag- and hexahistidine-tag using Applifect (AppliChem). Flow cytometric analysis was done after 48 hours. Briefly, cells were washed with ice-cold buffer (phosphate-buffered saline, 2% fetal calf serum, 2mM EDTA, 0.01% sodium azide) and then stained with relevant antibodies for 20 min at 4 °C and washed again after each staining step with FACS buffer. For total cellular staining with mAb M2, cells were first stained with Fixable Viability Dye eFluor 450 (eBioscience), then fixed and permeabilized with BD Cytfix/Cytoperm (BD Biosciences) and subsequently stained with appropriate antibodies for 20 min at 4 °C. Washing steps were performed with Saponin buffer (phosphate-buffered saline, 0.5% bovine serum albumin, 0.1% saponin, 0.01% sodium azide). Antibodies used: FLAG-tag mAb M2 (Sigma), anti-NKp46-PE mAb 29A1.4 (BioLegend), rat IgG2a-PE isotype control RTK2758 (BioLegend), mouse IgG1 isotype control N1G9, APC-conjugated F(ab)2-fragments of goat anti-mouse IgG (Jackson ImmunoResearch). Flow cytometry analysis was performed with a FACS Canto II (BD Biosciences, Heidelberg, Germany) and data analyzed using FlowJo (Tree Star, Ashland, OH).

Immunofluorescence staining. NK cells were isolated from the spleens of Ly5.1^{C14R} and C57BL/6 mice using an NK cell isolation kit II (Miltenyi Biotec, Germany). Isolated NK cells (1.8×10^5 cells/300 μ l) were centrifuged on lysine coated slides at a speed of 1000 rpm for 10 minutes. Cytospins of primary mouse NK cells were fixed with 4% paraformaldehyde and permeabilized with ice-cold methanol for intracellular staining. After blocking (0.2% gelatin, 0.5% BSA in PBS) cells were stained with goat anti-mouse NKp46 antibody (R&D Systems, AF2225, 1:100) and rabbit anti-mouse PDI (Cell Signaling Technology, 3501S, 1:100) overnight, followed by AlexaFluor488-conjugated donkey anti-goat IgG (H+L) (ThermoFisher, A-11055, 1:250) and AlexFluor546-conjugated donkey anti-rabbit IgG (H+L) (ThermoFisher, A-10040, 1:200). DAPI was used for nuclear counterstaining. Coverslips were mounted on the slides using 15 μ l of mounting medium (Immunoselect, SCR-038447). Fluorescence images were obtained with a TCS – SP8 confocal microscope (Leica) using a 63 \times /1.40 HC PL APO oil objective. Images were analyzed using LAS AF (Leica Application Suite – Advanced Fluorescence) software.

Cytotoxicity assay. Europium release assay was used to assess the lytic capacity of murine NK cells. NK cells were purified from the spleen using the mouse NK cell isolation kit II (Miltenyi, Germany) according to manufacturer's instructions. When purity was <90%, cells were sorted on a FACS Aria II (BD Bioscience, Germany). Purified NK cells were then stimulated overnight with 1000U/ml IL-2 (Promocell, Germany). B16F10 or YAC-1 target cells were co-cultured with NK cells in duplicates or triplicates at E:T ratios of 20:1, 10:1, and 5:1 on 96-well U-bottom plates (Nunc). After a period of 3 h, 20 μ L of the supernatants were collected from each well and added to 200 μ L europium solution (Europium, Perkin Elmer, Finland). Fluorescence data were recorded using a time-resolved fluorometer (1420-018 Victor; Perkin Elmer, USA). The measured signal correlated with cell lysis. The mean value of each replicate was calculated. Maximum release was obtained by incubating target cells with 4% Triton (Triton X-100; Sigma-Aldrich, Munich, Germany). Target cells without effector cells were used as a negative control (spontaneous release). The percentage of specific lysis was calculated as experimental release minus spontaneous release divided by the maximum release minus spontaneous release of target cells multiplied by 100. In order to test IFN- γ production, NK cell were stimulated with IL-18 (5ng/ml) (MBL, Japan) plus differential doses of IL-12 (High: 10ng/ml or Low: 0.25ng/ml) (R&D Systems), or IL-2 (1000U/ml) (Promocell, Germany). After one hour, GolgiStop (BD Biosciencem Germany) was added and cells were incubated at 37°C for another 4 hours. Cells were then stained for surface markers, washed, fixed and stained for IFN- γ (XMG1.2, BD Pharmingen). NK cells were then analyzed by flow cytometry with a Canto II or a Canto10C (BD Bioscience, Germany) and data analyzed using FlowJo (Tree Star, Ashland, OH).

Supplementary Figures

Fig. S1. Surface expression in different strains of CD45.1 and CD45.2 congenic mice. Flow cytometric analyses of peripheral blood from Ly5.2⁺ C57BL/6, Ly5.2⁺ C57BL/6 × Ly5.1⁺ (*Ptprca Pepcb/BoyJ*, WEHI), Ly5.1⁺ (WEHI) and Ly5.1⁺ Jax (2017). Plots are representative plots ($n = 2-4$ /genotype) gated on total live cells and show the percent NK1.1⁺NKp46⁺ cells. (B, C) Representative histograms (left panels) of flow cytometric analyses of (A) total cellular or (B) surface NKp46 expression by 293T cells transfected with NKp46^{WT} or NKp46^{C14R} cDNA, respectively. (B) Anti-Flag M2 antibody was used to detect NKp46 expression by permeabilized transfectants. (C) Anti-NKp46 antibody clone 29A1.4 was used to detect NKp46 expression on intact cells. Untransfected 293T cells were stained as controls. *Right panels* show the mean ± SEM of the mean fluorescence intensity (MFI) of the respective NKp46⁺ populations pooled from four independent experiments. The mean MFI of NKp46^{WT} expression was arbitrarily set as 100%. (D) Immuno-fluorescence of NKp46 (left panels) and PDI (right panels) localization in primary NK cells. *Left panels*, representative images of NK cells isolated from C57BL/6 and mutant Ly5.1^{C14R} mice stained with both anti-NKp46 and AlexaFluor488-conjugated anti-goat secondary antibody or alone with AlexaFluor488-conjugated anti-goat secondary antibody (neg ctr) showing specificity of the antibodies. *Right panels*, NK cells isolated from mutant Ly5.1^{C14R} mice stained with both anti-PDI primary antibodies and AlexaFluor546-conjugated anti-rabbit secondary antibodies or alone with AlexaFluor546-conjugated anti-rabbit secondary antibodies (neg ctr) display the specific staining for PDI (DAPI nuclear stain, blue; anti-NKp46, red; PDI, green). Images were obtained using confocal scanning microscopy with a 63× oil objective. Scale bar, 15 μm.

Fig. S2. Altered development of NK cell subsets in Ly5.1^{C14R} and Noé mice. (A) Flow cytometric analysis of CD11b and CD27 expression by different subsets of splenic NK cells from C57BL/6 and Ly5.1^{C14R} mice. Data show the frequency of immature (Imm, CD27⁺CD11b⁻), mature 1 (M1, CD27⁺CD11b⁺) and mature 2 (M2, CD27⁻CD11b⁺) NK cells in the spleen. Data are representative of three similar experiments ($n = 7$). (B) Frequency of Imm, M1 and M2 NK cells in the spleen of C57BL/6 and Ly5.1^{C14R} mice showing the mean ± SEM pooled from three independent experiments ($n = 7$ mice/genotype). (A, B) P values were calculated using a Student's *t* test. (C) Flow cytometric analysis of CD11b and CD27 expression by different subsets of splenic NK cells from C57BL/6 and Noé mice. Data show the frequency of immature (Imm, CD27⁺CD11b⁻) and mature (M1/M2 CD27^{+/-}CD11b⁺) NK cells in the bone marrow of individual mice ($n = 8$ mice/genotype). (D) Frequency of Imm, M1 and M2 NK cells in the bone marrow of C57BL/6, Noé and Noé × hNKp46Tg mice showing the values of individual mice ($n = 8$ mice/genotype). (C, D) P values were calculated using a Student's *t* test (left and middle panels) and a one-way ANOVA (right panel).

Fig. S3. Loss of NKp46 expression in Ly5.1^{C14R} mice is cell intrinsic. (A) Expression of surface NKp46 on NK cells and ILC1 isolated from mixed (1:1) bone marrow chimeric mice reconstituted with a 1:1 ratio of C57BL/6 × Ly5.1^{C14R} (CD45.2⁺CD45.1⁺, red solid line) and Ly5.1^{C14R} (CD45.1⁺, solid blue) bone marrow and allowed to reconstitute the haemopoietic compartment for eight weeks. Data show representative profiles gated on CD3⁻CD19⁻NK1.1⁺ live cells. (B) Mean fluorescence intensity of cells isolated from the C57BL/6 × Ly5.1^{C14R} and Ly5.1^{C14R} compartments shown in A. Data show the mean ± SEM of expression pooled from four independent experiments ($n = 9-15$ mice/genotype). P values were calculated using an unpaired two-tailed Student's *t* test.

Fig. S4. The six base pair mutation encoding CD45.1 does not affect NKp46 surface expression. (A) Representative histograms and mean fluorescence intensity of NKp46 expression for NK cells and ILC1 in various tissues from C57BL/6 (black solid line), Ly5.1^{STEM} (green solid line) and Ly5.1^{C14R} (solid blue) mice. NK cells were gated as live CD3⁻CD19⁻NK1.1⁺CD49a⁻Eomes⁺ cells and ILC1 were gated as live CD3⁻CD19⁻NK1.1⁺CD49a⁺Eomes⁻ cells. CD3 ϵ ⁺ cells were used as a control for NKp46 expression (black dashed line) (B) Representative histogram showing mean fluorescence intensity (C) and dot plots showing TRAIL expression in ILC1 isolated from the liver of C57BL/6 (black solid line), Ly5.1^{STEM} (green solid line) and Ly5.1^{C14R} (solid blue) mice. CD3 ϵ ⁺ cells were used as a control for expression (black dashed line)

Fig. S5. Antitumoral capacity of NK cells from C57BL/6 and Ly5.1^{C14R} mice. (A) Degranulation capacity of NK cell subsets determined by surface CD107a expression in C57BL/6 and Ly5.1^{C14R} cells following different stimuli (plate-bound Ab or YAC-1) for 4h in the presence of Golgi-Stop and soluble anti-CD107a. Data show frequencies of CD107a⁺ NK cells \pm SEM after coculture from two independent experiments ($n = 2$ and 3 mice/genotype in each experiment). (B) Cytolysis of NK cells from C57BL/6 and Ly5.1^{C14R} mice against different effector ratios (E:T) of YAC-1 target cells. P values were calculated using a Student's t test. (C) IFN- γ -production after stimulation of NK cells with IL 18 (5 ng/ml) + IL 12 (10 ng/ml, hi) or IL 12 (0.25 ng/ml, lo) and IL-2 (1000 U/ml). P values were calculated using an unpaired two-tailed Student's t test. (D) Dissemination of metastases in different organs such as liver, kidney and bone marrow 14 days after intravenous injection of B16F10 in the indicated mouse strains.

Fig. S6. NK cell enumeration in C57BL/6 and Ly5.1^{C14R} mice. (A) Total NK cells, NK cell subsets and ILC1s isolated from the lung of naïve C57BL/6 and Ly5.1^{C14R} mice. Data show the mean \pm SEM from one experiment ($n = 7$ mice/genotype). P values were calculated using a Student's t test. (B) Enumeration of total NK cells, NK cell subsets and ILC1 isolated from the lung of C57BL/6 and Ly5.1^{C14R} mice 7 days after injection of B16F10 melanoma cells. Data shows the mean \pm SEM pooled from two independent experiments ($n = 6$ mice/genotype). P values were calculated using an unpaired two-tailed Student's t test.

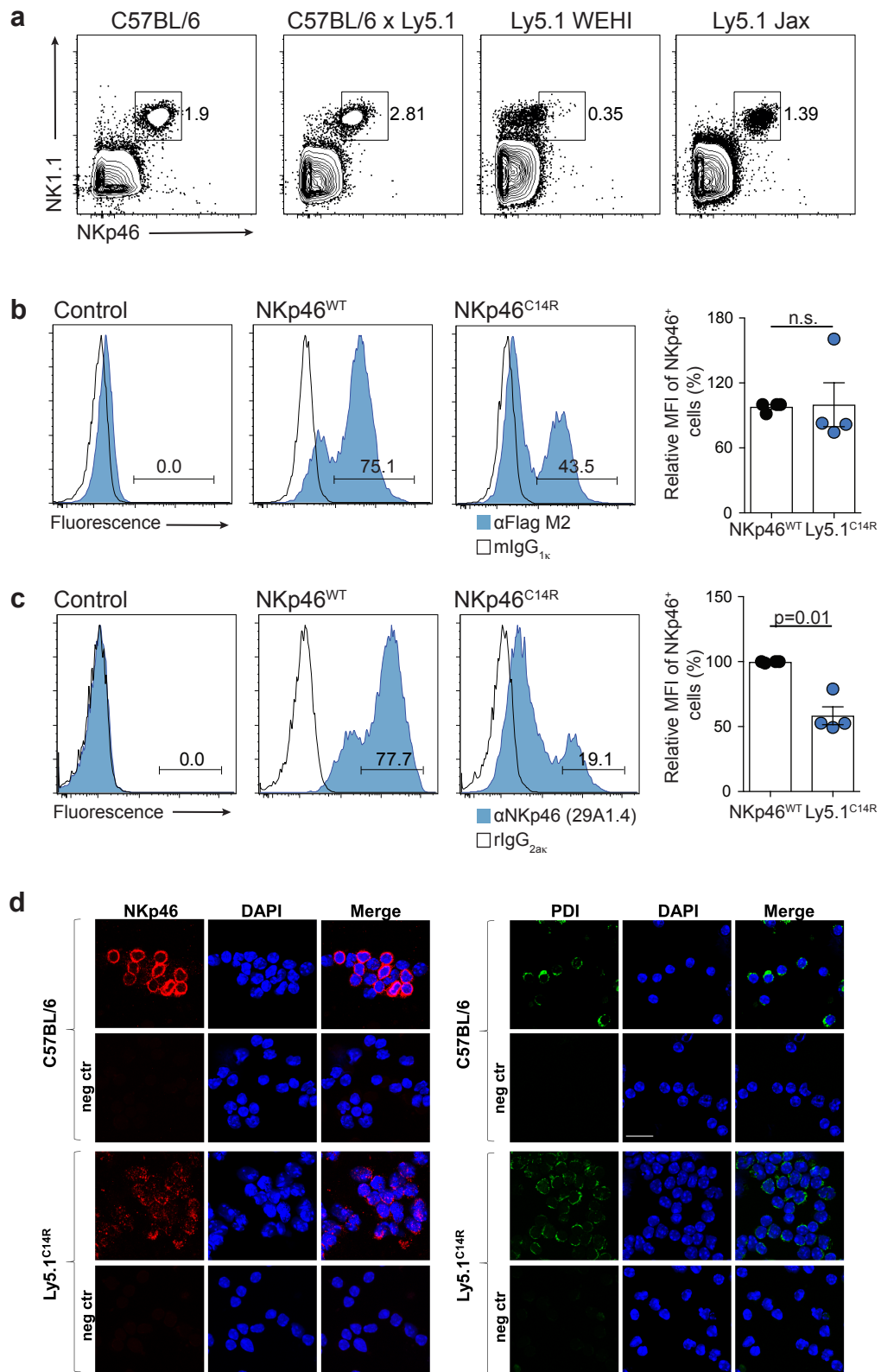


Figure S1. Almeida *et al.*

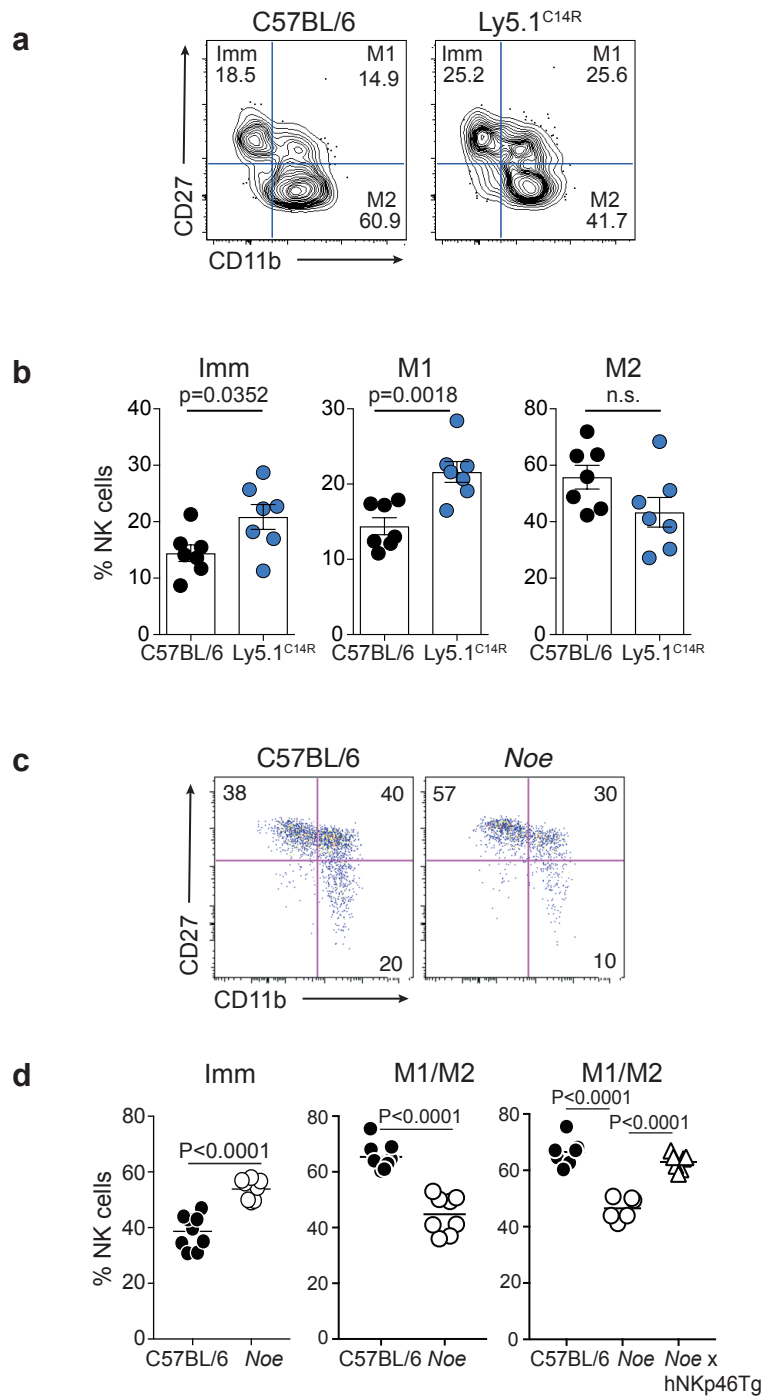


Figure S2. Almeida *et al.*

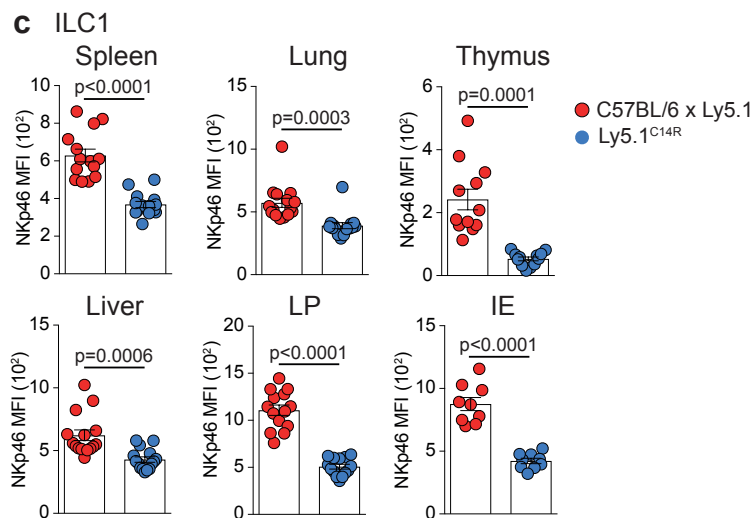
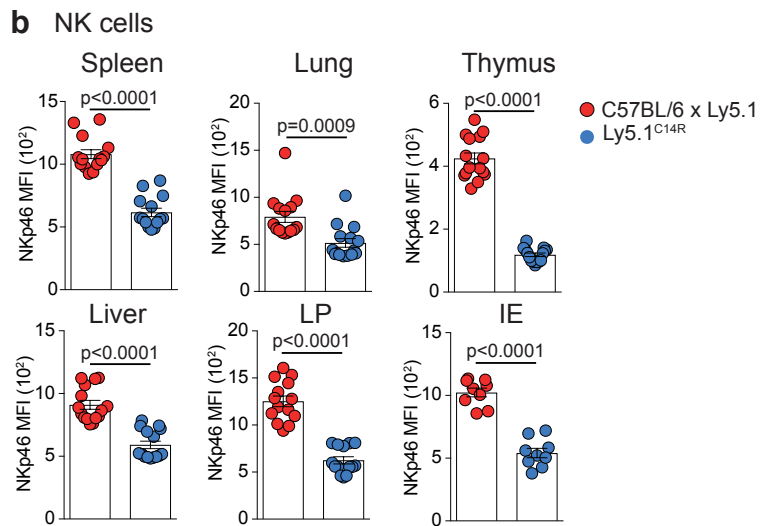
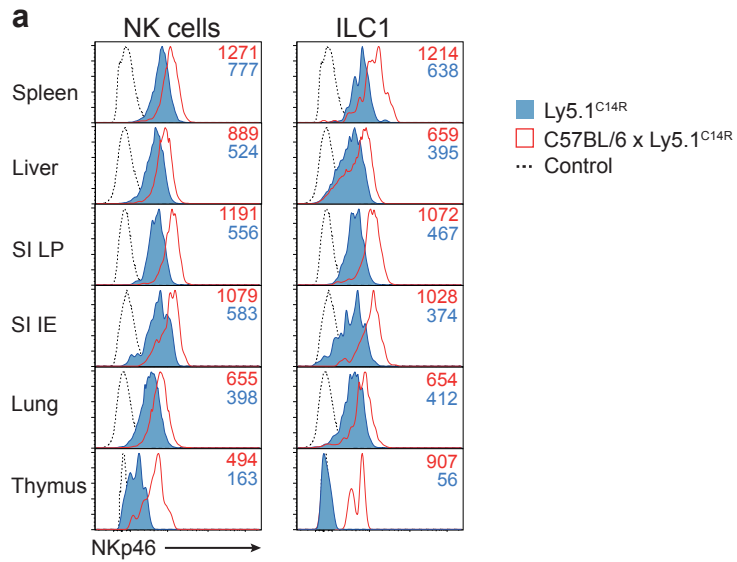


Figure S3. Almeida *et al.*

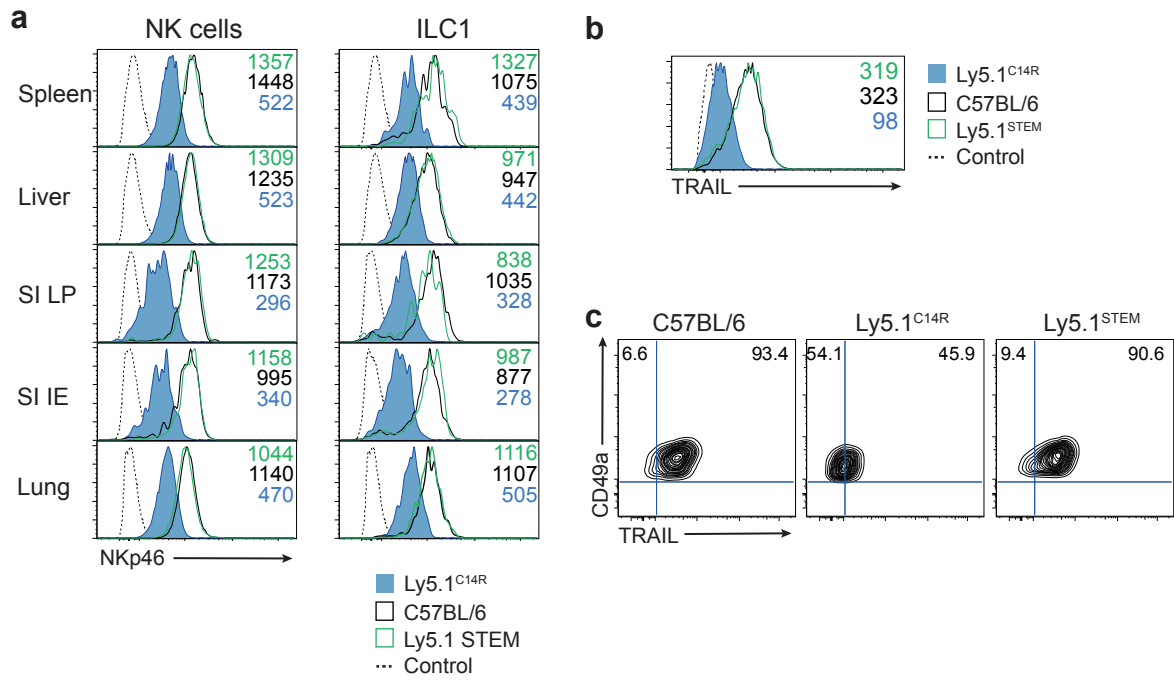


Figure S4. Almeida *et al.*

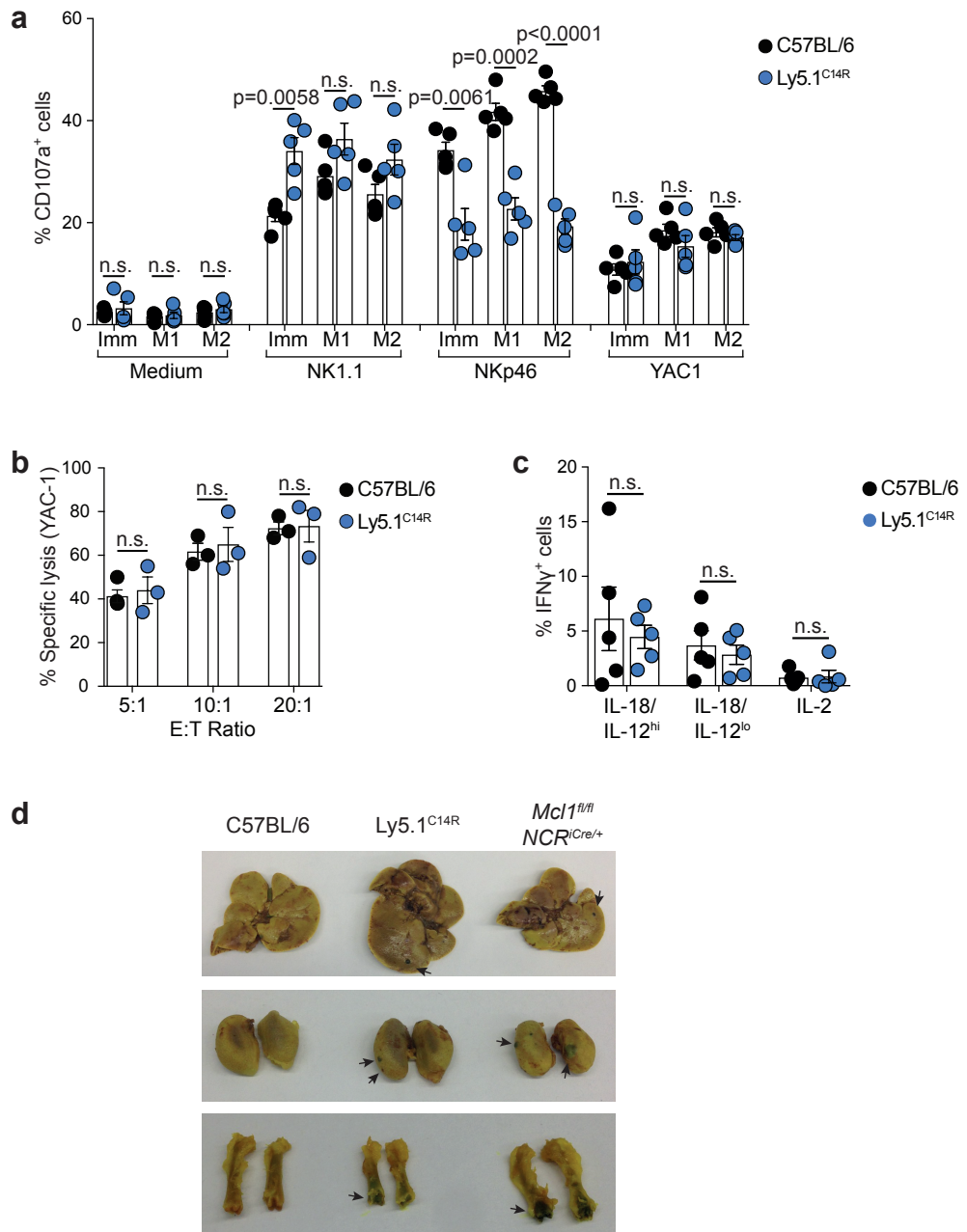
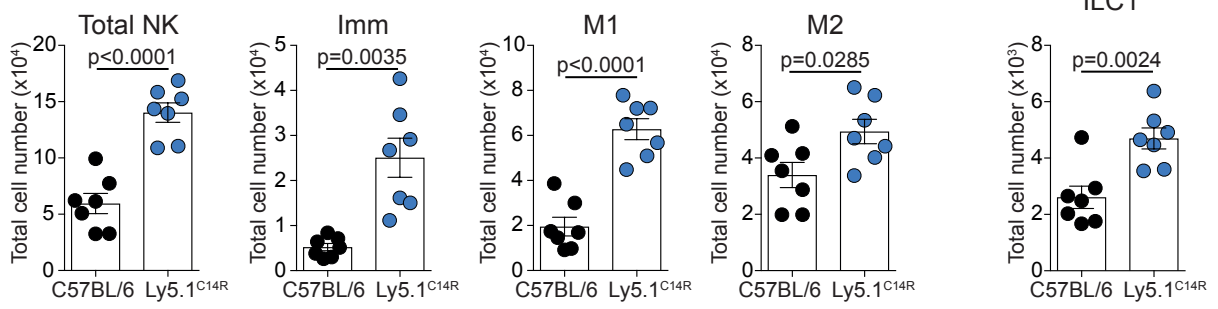


Figure S5. Almeida *et al.*

a NK cells



b NK cells

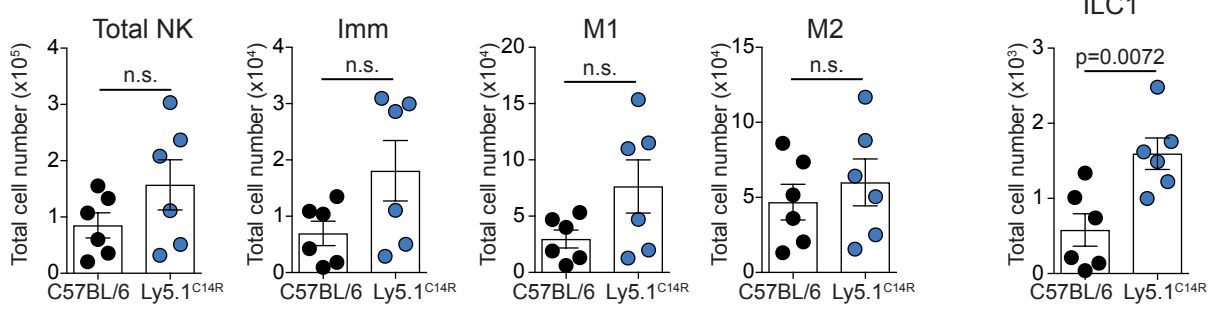


Figure S6. Almeida *et al.*

Dataset S1.

Modifications detected in Ly5.1 mice: Exome sequencing WEHI

Chromosome	Position	Reference	Alteration	Mutation
High impact modifications				
1	107532431	T	G	<i>Serpib2</i>
1	134149391	GAA	G	<i>Chit1</i>
1	134149395	G	GGT	<i>Chit1</i>
5	21803462	G	GGTGS	<i>Psmc2</i>
7	10102486	G	GT	<i>Vmn2r51</i>
7	114804535	AGGGAATCTGTTCG	A	<i>Insc</i>
9	65280130	TG	T	<i>Cilp</i>
10	81178767	G	GC	<i>Dapk3</i>
11	3136635	C	T	<i>Sfi1</i>
Moderate impact modifications				
1	107515635	G	A	<i>Serpib2</i>
1	107523834	C	A	<i>Serpib2</i>
1	107523890	C	T	<i>Serpib2</i>
1	107523894	C	T	<i>Serpib2</i>
1	107524543	A	C	<i>Serpib2</i>
1	107538473	C	T	<i>Serpib2</i>
1	107597527	A	G	<i>Serpib8</i>
1	107598954	G	A	<i>Serpib8</i>
1	110065735	C	G	<i>Cdh7</i>
1	110893384	C	A	<i>Cdh19</i>
1	111859457	T	C	<i>Dse1</i>
1	111859994	G	C	<i>Dse1</i>
1	116455004	C	A	<i>Cntnap5a</i>
1	116455101	T	C	<i>Cntnap5a</i>
1	116455143	C	T	<i>Cntnap5a</i>
1	118868087	C	T	<i>Gli2</i>
1	119002044	G	T	<i>Gli2</i>
1	120031656	T	C	<i>Sctr</i>
1	120063257	G	A	<i>Sctr</i>
1	120227750	T	C	<i>Steap3</i>
1	120234378	G	A	<i>Steap3</i>
1	121456126	C	T	<i>Ccdc93</i>
1	121461939	T	C	<i>Ccdc93</i>
1	128589277	C	T	<i>Cxcr4</i>
1	129628891	C	T	<i>Thsd7b</i>
1	129667937	T	A	<i>Thsd7b</i>
1	129678183	G	C	<i>Thsd7b</i>
1	130116631	A	C	<i>Thsd7b</i>
1	130447561	A	G	<i>Cd55</i>
1	130449423	C	T	<i>Cd55</i>
1	130459633	C	A	<i>Cd55</i>
1	130596814	A	G	<i>Zp3r</i>
1	130619414	C	A	<i>Zp3r</i>
1	130642988	C	G	<i>C4bp</i>
1	130804569	A	G	<i>Fcamr</i>
1	130804627	A	C	<i>Fcamr</i>
1	130811580	A	G	<i>Fcamr</i>
1	130812629	G	A	<i>Fcamr</i>
1	130812692	A	G	<i>Fcamr</i>
1	130812738	T	C	<i>Fcamr</i>
1	130812809	A	G	<i>Fcamr</i>
1	130812816	T	C	<i>Fcamr</i>
1	130814597	A	G	<i>Fcamr</i>
1	130844522	C	T	<i>Pigr</i>
1	130875974	A	G	<i>Fcrm</i>
1	130878269	T	C	<i>Il24</i>
1	131265937	C	A	<i>Ikbke</i>
1	131269823	T	C	<i>Srgap2</i>
1	131538895	C	T	<i>Fam72a</i>
1	131763870	C	T	<i>Slc26a9</i>
1	131766012	C	A	<i>Slc26a9</i>
1	131872110	A	G	<i>Rab29</i>

1	132067883	C	T	<i>Mfsd4</i>
1	132456984	C	T	<i>Dstyk</i>
1	133066627	C	T	<i>Pik3c2b</i>
1	133287846	C	G	<i>Plekha6</i>
1	133327321	A	AGTGGCACCTTTG	<i>Kiss1</i>
1	133359079	A	T	<i>Etnk2</i>
1	133363923	A	G	<i>Etnk2</i>
1	133376915	T	A	<i>Etnk2</i>
1	133377046	G	T	<i>Etnk2</i>
1	133622154	G	A	<i>Gm38394</i>
1	133624621	C	T	<i>Gm38394</i>
1	133679978	T	C	<i>Lax1</i>
1	133683634	G	A	<i>Lax1</i>
1	133905170	C	G	<i>Optc</i>
1	133915131	C	T	<i>Prelp</i>
1	134188529	C	T	<i>Chil1</i>
1	134197480	C	T	<i>Adora1</i>
1	134299321	G	A	<i>Ppfia4</i>
1	134407667	C	T	<i>Cyb5r1</i>
1	134972167	C	T	<i>Ube2t</i>
1	134987088	C	T	<i>Lgr6</i>
1	134988009	A	T	<i>Lgr6</i>
1	134990635	G	T	<i>Lgr6</i>
1	135003476	C	T	<i>Lgr6</i>
1	135105076	G	C	<i>Gm10535</i>
1	135134475	A	G	<i>Ptpn7</i>
1	135143242	G	T	<i>Ptpn7</i>
1	135263096	C	T	<i>Elf3</i>
1	135283629	C	G	<i>Rnpep</i>
1	135283977	G	C	<i>Rnpep</i>
1	135364073	C	T	<i>Lmod1</i>
1	135386268	A	ATCC	<i>Lpo9</i>
1	135584727	T	C	<i>Nav1</i>
1	136260710	G	A	<i>Lad1</i>
1	136281315	C	T	<i>Lad1</i>
1	136417053	T	C	<i>9230116N13Rik</i>
1	136468279	A	G	<i>Klf14</i>
1	136468975	A	G	<i>Klf14</i>
1	136490332	A	G	<i>Klf14</i>
1	136515961	T	C	<i>Klf14</i>
1	136952125	C	A	<i>Nr5a2</i>
1	138099676	T	G	<i>Ptprc</i>
1	138107823	A	G	<i>Ptprc</i>
1	138107824	C	A	<i>Ptprc</i>
1	138107837	A	G	<i>Ptprc</i>
1	138112254	T	C	<i>Ptprc</i>
1	139231587	C	T	<i>Crb1</i>
1	139234779	T	C	<i>Crb1</i>
1	139237622	A	T	<i>Crb1</i>
1	139241138	G	A	<i>Crb1</i>
1	139242995	C	T	<i>Crb1</i>
1	139243417	C	T	<i>Crb1</i>
1	139473574	A	G	<i>Aspm</i>
1	139813442	A	G	<i>Cfhr2</i>
1	139813459	A	C	<i>Cfhr2</i>
1	139831155	T	G	<i>Cfhr2</i>
1	139831174	T	C	<i>Cfhr2</i>
1	140354547	G	A	<i>Kcnt2</i>
1	143739740	C	T	<i>Glrx2</i>
1	143760014	C	T	<i>Trove2</i>
1	143760034	T	C	<i>Trove2</i>
2	30827076	G	A	<i>Asb6</i>
2	76813339	C	T	<i>Tnt</i>
2	89439583	C	T	<i>Olf1r11240</i>
2	165687663	G	T	<i>Eya2</i>
4	63171423	G	GGGGCCTCCACCCGGC	<i>Klf12</i>
4	106639288	C	T	<i>Ttc22</i>
4	148944359	T	C	<i>Cas21</i>
6	42744135	C	A	<i>RP24-343</i>

6	111358295	G	C	<i>Grm7</i>
6	136617036	G	T	<i>Plbd1</i>
7	3222537	T	C	<i>Mir290a</i>
7	4337865	T	C	<i>Ncr1</i>
7	56131292	G	A	<i>Herc2</i>
7	80238716	GGGGTCATGTGCTGCTGGT	G	<i>Gdpgp1</i>
7	108465371	T	A	<i>Olf498</i>
9	44842610	G	A	<i>Kmt2a</i>
9	109145537	T	C	<i>Fbxw21</i>
10	67238174	T	C	<i>Jmjd1C</i>
10	69248844	G	A	<i>Rhobtb1</i>
11	3133098	T	C; A	<i>Sfi1</i>
11	78540034	G	A	<i>Tmem97</i>
12	115623253	A	C	<i>Ighv1-69</i>
13	4577401	G	T	<i>Akr1c21</i>
13	100161909	A	T	<i>Nalp2</i>
13	115088712	G	A	<i>Pelo</i>
17	22689871	A	G	<i>Gm9805</i>
17	35425194/8	A	G; C	<i>H2-Q6</i>
17	35440154	C	G	<i>H2-Q7</i>
17	47400410	T	C	<i>Gluc1a</i>
18	37743583	A	G	<i>Pcdhga6</i>
X	8155226	T	TATC	<i>Tbc1d25</i>

Dataset S2.

Differential mRNA expression in NK1.1⁺CD3⁻ NK cells from naïve C57BL/6 vs. Ly5.1^{C14R} mice

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
18479	<i>Pak1</i>	5.38	3.14	6.81E-03	56274	<i>Stk3</i>	1.32	4.02	1.14E-03
80891	<i>Fcrls</i>	3.49	3.14	6.75E-03	73373	<i>Phospho2</i>	1.30	3.95	1.31E-03
544696	<i>Tbc1d32</i>	3.37	3.37	4.27E-03	68059	<i>Tm9sf2</i>	1.30	4.07	1.03E-03
64058	<i>Perp</i>	3.16	3.25	5.39E-03	66307	<i>Isoc1</i>	1.28	5.00	1.61E-04
21824	<i>Thbd</i>	3.14	2.95	1.01E-02	226744	<i>Cnst</i>	1.27	3.66	2.34E-03
11480	<i>Acvr2a</i>	3.03	3.44	3.67E-03	242362	<i>Manea</i>	1.27	3.70	2.17E-03
71884	<i>Chit1</i>	2.86	3.20	6.04E-03	12675	<i>Chuk</i>	1.26	3.92	1.39E-03
214253	<i>Etnk2</i>	2.71	3.93	1.36E-03	329739	<i>Fam102b</i>	1.26	3.53	3.03E-03
193385	<i>Fam65b</i>	2.51	9.20	1.57E-07	16590	<i>Kit</i>	1.24	3.56	2.91E-03
383563	<i>Gpr25</i>	2.47	3.39	4.06E-03	14628	<i>Ostm1</i>	1.24	4.80	2.37E-04
78558	<i>Htra3</i>	2.34	2.97	9.53E-03	208691	<i>Eif5a2</i>	1.24	3.11	7.27E-03
20720	<i>Serpine2</i>	2.24	4.92	1.89E-04	319269	<i>A130040</i>			
76633	<i>1700112E</i>				319269	<i>M12Rik</i>	1.24	5.19	1.12E-04
76633	<i>06Rik</i>	2.23	3.49	3.35E-03	15931	<i>Ids</i>	1.24	4.39	5.33E-04
76633	<i>6330407A</i>				99512	<i>Wdr47</i>	1.23	2.96	9.71E-03
70720	<i>03Rik</i>	2.13	3.53	3.03E-03	58801	<i>Pmaip1</i>	1.23	3.63	2.49E-03
235048	<i>Zfp599</i>	2.11	3.14	6.77E-03	229445	<i>Ctso</i>	1.22	4.04	1.08E-03
13136	<i>Cd55</i>	2.05	6.20	1.75E-05	21974	<i>Top2b</i>	1.22	6.35	1.35E-05
64143	<i>Ralb</i>	1.98	3.00	8.97E-03	66882	<i>Bzw1</i>	1.22	4.45	4.76E-04
11855	<i>Arhgap5</i>	1.98	3.17	6.36E-03	75785	<i>Klhl24</i>	1.20	5.17	1.17E-04
20308	<i>Ccl9</i>	1.98	6.94	4.95E-06	65114	<i>Vps35</i>	1.20	5.33	8.61E-05
394432	<i>Ugt1a7c</i>	1.97	5.07	1.42E-04	19264	<i>Ptprc</i>	1.20	6.59	8.82E-06
228421	<i>Kif18a</i>	1.94	3.07	7.82E-03	67776	<i>Vwa5a</i>	1.19	4.97	1.71E-04
75698	<i>Fam35a</i>	1.94	3.58	2.79E-03	624784	<i>Gm9855</i>	1.19	3.04	8.40E-03
12227	<i>Btg2</i>	1.92	12.57	2.49E-09	73132	<i>Slc25a16</i>	1.19	3.11	7.20E-03
574403	<i>Fam196b</i>	1.91	2.92	1.07E-02	14423	<i>Galnt1</i>	1.17	5.38	7.89E-05
237010	<i>Klhl4</i>	1.91	6.84	5.80E-06	80718	<i>Rab27b</i>	1.17	3.52	3.13E-03
240660	<i>Slc35g1</i>	1.77	2.92	1.05E-02	17113	<i>M6pr</i>	1.16	3.48	3.42E-03
233744	<i>Spon1</i>	1.76	3.93	1.34E-03	17772	<i>Mtm1</i>	1.16	3.48	3.40E-03
20620	<i>Plk2</i>	1.72	5.77	3.80E-05	73447	<i>Wdr13</i>	1.15	2.97	9.57E-03
211255	<i>Kbtbd7</i>	1.63	3.38	4.17E-03	20713	<i>Serpini1</i>	1.15	4.41	5.10E-04
241944	<i>D3Erd25</i>				266690	<i>Cyb5r4</i>	1.14	4.85	2.18E-04
241944	<i>4e</i>	1.58	3.31	4.82E-03	52323	<i>Klhl7</i>	1.14	3.90	1.43E-03
22393	<i>Wfs1</i>	1.55	3.09	7.57E-03	12450	<i>Ccng1</i>	1.14	4.44	4.83E-04
105171	<i>Arrdc3</i>	1.51	6.13	2.00E-05	109019	<i>Nabp1</i>	1.13	6.64	8.18E-06
217463	<i>Snx13</i>	1.50	4.25	7.16E-04	20750	<i>Spp1</i>	1.12	3.64	2.44E-03
26554	<i>Cul3</i>	1.48	6.18	1.81E-05	75739	<i>Mpp7</i>	1.12	3.17	6.43E-03
69623	<i>Zfp33b</i>	1.48	2.96	9.71E-03	240614	<i>Ranbp6</i>	1.11	3.13	6.89E-03
233726	<i>Ipo7</i>	1.46	3.39	4.06E-03	665825	<i>Gm7809</i>	1.11	4.42	5.09E-04
14168	<i>Fgf13</i>	1.46	3.12	7.09E-03	16396	<i>Itch</i>	1.10	4.40	5.26E-04
17184	<i>Matr3</i>	1.46	7.42	2.26E-06	17344	<i>Pias2</i>	1.10	4.18	8.11E-04
100038347	<i>Fam174b</i>	1.46	3.47	3.48E-03	69981	<i>Tmem30a</i>	1.10	4.83	2.26E-04
19889	<i>Rp2</i>	1.44	4.75	2.62E-04	109161	<i>Ube2q2</i>	1.09	4.16	8.56E-04
229782	<i>Slc35a3</i>	1.42	3.31	4.77E-03	26409	<i>Map3k7</i>	1.09	3.77	1.87E-03
16180	<i>Il1rap</i>	1.41	4.74	2.70E-04	73124	<i>Golim4</i>	1.09	3.15	6.64E-03
215615	<i>Rnpep</i>	1.41	5.59	5.34E-05	66674	<i>Spryd7</i>	1.09	4.22	7.55E-04
71929	<i>Tmem123</i>	1.41	5.12	1.28E-04	213438	<i>A630033</i>			
170757	<i>Adgrl4</i>	1.41	4.17	8.33E-04	213438	<i>H20Rik</i>	1.08	3.70	2.16E-03
101118	<i>Tmem168</i>	1.37	4.88	2.04E-04	19325	<i>Rab10</i>	1.08	5.00	1.63E-04
15926	<i>Idh1</i>	1.34	3.68	2.25E-03	18983	<i>Cnot7</i>	1.08	4.00	1.18E-03
71927	<i>Irf1</i>	1.33	6.07	2.22E-05					

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
212276	<i>Zfp748</i>	1.08	3.92	1.38E-03	24015	<i>Abce1</i>	0.95	3.85	1.61E-03
50797	<i>Copb2</i>	1.08	5.65	4.71E-05	116914	<i>Slc19a2</i>	0.95	2.92	1.05E-02
21929	<i>Tnfaip3</i>	1.07	5.78	3.74E-05	75423	<i>Arl5a</i>	0.95	4.33	6.03E-04
229731	<i>Slc25a24</i>	1.06	5.36	8.14E-05	53618	<i>Fut8</i>	0.94	4.19	7.97E-04
73288	<i>Ccdc132</i>	1.06	3.56	2.86E-03	52206	<i>Anapc4</i>	0.94	3.98	1.22E-03
71330	<i>Rcbtb1</i>	1.06	4.00	1.18E-03	67487	<i>Dhx40</i>	0.94	3.93	1.35E-03
56726	<i>Sh3bgr1</i>	1.06	4.81	2.35E-04	68939	<i>Rasl11b</i>	0.94	3.21	5.92E-03
213827	<i>Arcn1</i>	1.05	4.85	2.16E-04	218214	<i>Kdm1b</i>	0.94	3.83	1.66E-03
103573	<i>Xpo1</i>	1.05	4.47	4.59E-04	20479	<i>Vps4b</i>	0.94	5.22	1.07E-04
81535	<i>Sgpp1</i>	1.05	3.84	1.64E-03	12523	<i>Cd84</i>	0.93	5.01	1.60E-04
19645	<i>Rb1</i>	1.04	3.81	1.72E-03	74159	<i>Acbd5</i>	0.93	3.29	4.98E-03
72020	<i>Zfp654</i>	1.04	3.82	1.69E-03	72692	<i>Hnrnp11</i>	0.93	3.39	4.08E-03
75415	<i>Arhgap12</i>	1.04	2.93	1.04E-02	14489	<i>Mtpn</i>	0.93	4.73	2.72E-04
382985	<i>Rrm2b</i>	1.04	3.21	5.93E-03	225348	<i>Wdr36</i>	0.93	3.86	1.55E-03
54710	<i>Hs3st3b1</i>	1.04	5.14	1.24E-04	67128	<i>Ube2g1</i>	0.92	4.23	7.45E-04
12283	<i>Cab39</i>	1.03	6.00	2.50E-05	240263	<i>Fem1c</i>	0.92	3.93	1.36E-03
100862175	<i>Gm21540</i>	1.03	3.03	8.50E-03	17973	<i>Nck1</i>	0.92	4.26	6.89E-04
	<i>B630005N</i>								
101148	<i>14Rik</i>	1.03	4.30	6.40E-04	107358	<i>Tm9sf3</i>	0.92	4.06	1.04E-03
68151	<i>Wls</i>	1.03	6.42	1.20E-05	20452	<i>St8sia4</i>	0.92	4.27	6.75E-04
70650	<i>Zcchc8</i>	1.02	3.88	1.49E-03	12226	<i>Btg1</i>	0.92	4.87	2.09E-04
56298	<i>Atf2</i>	1.02	3.53	3.05E-03	67946	<i>Spata6</i>	0.91	3.20	6.04E-03
14827	<i>Pdia3</i>	1.02	6.18	1.82E-05	53331	<i>Stx7</i>	0.91	4.52	4.10E-04
236794	<i>Slc9a6</i>	1.02	3.39	4.04E-03	68942	<i>Chmp2b</i>	0.91	3.64	2.43E-03
246746	<i>Cd300lf</i>	1.02	3.08	7.69E-03	229096	<i>Ythdf3</i>	0.91	3.25	5.42E-03
12772	<i>Ccr2</i>	1.02	5.18	1.15E-04	53378	<i>Sdcbp</i>	0.91	5.12	1.29E-04
11487	<i>Adam10</i>	1.02	4.70	2.91E-04	72425	<i>Katnbl1</i>	0.91	2.97	9.58E-03
20843	<i>Stag2</i>	1.02	3.84	1.62E-03	235072	<i>Sep-07</i>	0.91	4.54	3.95E-04
72201	<i>Otud6b</i>	1.01	3.43	3.72E-03	74114	<i>Crot</i>	0.91	4.79	2.44E-04
93759	<i>Sirt1</i>	1.01	3.80	1.77E-03	14660	<i>Gls</i>	0.91	3.33	4.64E-03
242521	<i>Klhl9</i>	1.01	3.78	1.85E-03	319638	<i>Nt5dc1</i>	0.90	3.72	2.06E-03
28185	<i>Tomm70a</i>	1.01	3.59	2.69E-03	66629	<i>Golph3</i>	0.90	5.03	1.52E-04
56043	<i>Akr1e1</i>	1.01	3.45	3.61E-03	67117	<i>Dynlt3</i>	0.90	3.53	3.07E-03
11739	<i>Slc25a4</i>	1.00	5.69	4.38E-05	213439	<i>Gpr174</i>	0.90	4.35	5.77E-04
19046	<i>Ppp1cb</i>	1.00	4.66	3.14E-04	15488	<i>Hsd17b4</i>	0.90	4.16	8.51E-04
631624	<i>Gm7072</i>	1.00	3.00	9.08E-03	20706	<i>Serpib9b</i>	0.90	4.73	2.72E-04
77652	<i>Zfp955a</i>	0.99	2.93	1.04E-02	218397	<i>Rasa1</i>	0.90	3.70	2.15E-03
12452	<i>Ccng2</i>	0.99	5.69	4.43E-05	27214	<i>Dbf4</i>	0.90	2.98	9.44E-03
353187	<i>Nr1d2</i>	0.99	4.41	5.12E-04	15018	<i>H2-Q7</i>	0.89	6.32	1.43E-05
100273	<i>Osbpl9</i>	0.99	4.35	5.81E-04	69930	<i>Zfp715</i>	0.89	4.22	7.52E-04
66676	<i>Tmed7</i>	0.99	4.96	1.73E-04	53332	<i>Mtmr1</i>	0.89	4.85	2.17E-04
216551	<i>Lgalsl</i>	0.97	2.93	1.04E-02	22629	<i>Ywhah</i>	0.89	4.74	2.66E-04
71914	<i>Antxr2</i>	0.97	4.51	4.20E-04	26357	<i>Abcg2</i>	0.89	3.73	2.01E-03
14537	<i>Gcnt1</i>	0.97	3.12	7.01E-03	18559	<i>Pctp</i>	0.89	3.12	7.11E-03
22427	<i>Wrn</i>	0.97	3.19	6.08E-03	329877	<i>Dennd4c</i>	0.89	3.07	7.80E-03
233802	<i>Thumpd1</i>	0.97	4.01	1.14E-03	224794	<i>Enpp4</i>	0.89	3.80	1.78E-03
76892	<i>Rnft1</i>	0.96	3.32	4.69E-03	241041	<i>Gm4956</i>	0.88	3.78	1.85E-03
209462	<i>Hace1</i>	0.96	4.08	1.00E-03	66869	<i>Zfp869</i>	0.88	4.13	8.96E-04
12928	<i>Crk</i>	0.96	3.41	3.90E-03	67420	<i>Far1</i>	0.88	4.30	6.35E-04
26384	<i>Gnpda1</i>	0.96	4.51	4.19E-04	76273	<i>Ndfip2</i>	0.88	4.26	6.91E-04
98267	<i>Stk17b</i>	0.96	5.24	1.02E-04	27377	<i>Yme111</i>	0.88	3.89	1.46E-03
72981	<i>Prkirr</i>	0.96	3.79	1.81E-03	68050	<i>Akirin1</i>	0.88	3.75	1.93E-03
12317	<i>Calr</i>	0.95	5.41	7.43E-05	29864	<i>Rnf11</i>	0.88	4.00	1.17E-03
11600	<i>Angpt1</i>	0.95	3.45	3.61E-03	12400	<i>Cbfb</i>	0.88	4.87	2.08E-04
74467	<i>Pus10</i>	0.95	2.93	1.04E-02	13167	<i>Dbi</i>	0.88	3.68	2.27E-03
67475	<i>Ero1b</i>	0.95	3.14	6.80E-03	73910	<i>Arhgap18</i>	0.87	4.19	8.05E-04

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
66980	<i>Zdhhc6</i>	0.87	3.26	5.36E-03	16784	<i>Lamp2</i>	0.81	3.82	1.71E-03
60599	<i>Trp53inp1</i>	0.87	3.76	1.91E-03	19057	<i>Ppp3cc</i>	0.81	3.20	6.05E-03
245867	<i>Pcmdt2</i>	0.87	3.04	8.30E-03	15251	<i>Hif1a</i>	0.81	4.43	4.95E-04
244416	<i>Ppp1r3b</i>	0.86	3.03	8.46E-03	55932	<i>Gbp3</i>	0.81	2.98	9.46E-03
218914	<i>Wapl</i>	0.86	2.94	1.03E-02	22027	<i>Hsp90b1</i>	0.81	4.15	8.62E-04
140742	<i>Sesn1</i>	0.86	4.88	2.02E-04	20229	<i>Sat1</i>	0.80	4.04	1.09E-03
235574	<i>Atp2c1</i>	0.85	3.34	4.56E-03	67345	<i>Herc4</i>	0.80	4.21	7.73E-04
13723	<i>Emb</i>	0.85	3.89	1.48E-03	93790	<i>Nipa2</i>	0.80	3.58	2.75E-03
110639	<i>Prps2</i>	0.85	4.24	7.18E-04	105504	<i>Exoc5</i>	0.80	3.68	2.25E-03
67453	<i>Slc25a46</i>	0.85	3.27	5.24E-03	53382	<i>Txn1</i>	0.80	3.30	4.89E-03
57438	<i>Mar-07</i>	0.85	4.30	6.44E-04	212898	<i>Dse</i>	0.80	3.26	5.36E-03
67255	<i>Zfp422</i>	0.85	4.10	9.57E-04	30940	<i>Usp25</i>	0.79	3.77	1.89E-03
67452	<i>Pnpla8</i>	0.85	3.96	1.27E-03	83671	<i>Sytl2</i>	0.79	3.65	2.41E-03
226026	<i>Smc5</i>	0.85	3.35	4.39E-03	338467	<i>Morc3</i>	0.79	3.46	3.52E-03
326618	<i>Tpm4</i>	0.85	4.37	5.59E-04	52440	<i>Tax1bp1</i>	0.79	4.56	3.80E-04
76687	<i>Spcs3</i>	0.85	4.47	4.53E-04	14679	<i>Gnai3</i>	0.79	3.69	2.21E-03
56334	<i>Tmed2</i>	0.85	4.35	5.86E-04	229363	<i>Gmps</i>	0.78	3.84	1.63E-03
140740	<i>Sec63</i>	0.84	3.44	3.68E-03	71946	<i>Endod1</i>	0.78	3.69	2.19E-03
20393	<i>Sgk1</i>	0.84	4.52	4.15E-04	12321	<i>Calu</i>	0.78	3.58	2.76E-03
80289	<i>Lysmd3</i>	0.84	3.89	1.47E-03	17472	<i>Gbp4</i>	0.78	3.45	3.62E-03
207304	<i>Hectd1</i>	0.84	4.71	2.85E-04	66949	<i>Trim59</i>	0.78	2.99	9.24E-03
17155	<i>Man1a</i>	0.84	4.36	5.72E-04	170719	<i>Oxr1</i>	0.78	4.36	5.73E-04
107371	<i>Exoc6</i>	0.84	3.92	1.39E-03	212862	<i>Chpt1</i>	0.78	3.85	1.58E-03
22589	<i>Atrx</i>	0.84	3.13	6.88E-03	26413	<i>Mapk1</i>	0.78	3.85	1.60E-03
72736	<i>Tmx1</i>	0.84	4.11	9.47E-04	237459	<i>Cdk17</i>	0.78	4.71	2.87E-04
230484	<i>Usp1</i>	0.84	3.27	5.18E-03	78913	<i>Ltn1</i>	0.78	3.41	3.88E-03
28146	<i>Serp1</i>	0.84	4.09	9.71E-04	71207	<i>Nudt4</i>	0.78	3.99	1.19E-03
328099	<i>Prps1l3</i>	0.84	3.87	1.54E-03	51869	<i>Rif1</i>	0.78	3.07	7.78E-03
77805	<i>Esco1</i>	0.83	3.86	1.55E-03	271457	<i>Rab5a</i>	0.77	3.97	1.25E-03
54613	<i>St3gal6</i>	0.83	4.67	3.08E-04	76773	<i>Wdyhv1</i>	0.77	2.96	9.83E-03
11308	<i>Abi1</i>	0.83	3.56	2.86E-03	11886	<i>Asah1</i>	0.77	2.97	9.53E-03
627049	<i>Zfp800</i>	0.83	3.72	2.06E-03	102294	<i>Cyp4v3</i>	0.77	3.76	1.92E-03
67054	<i>Paics</i>	0.83	3.66	2.33E-03	106957	<i>Slc39a6</i>	0.77	3.04	8.37E-03
22367	<i>Vrk1</i>	0.82	3.69	2.20E-03	67838	<i>Dnajb11</i>	0.77	4.32	6.12E-04
26900	<i>Ddx3y</i>	0.82	4.09	9.88E-04	11566	<i>Adss</i>	0.76	3.61	2.59E-03
22234	<i>Ugcg</i>	0.82	5.11	1.30E-04	407786	<i>Taf9b</i>	0.76	4.40	5.21E-04
22770	<i>Zhx1</i>	0.82	2.93	1.04E-02	71198	<i>Otud1</i>	0.76	3.27	5.21E-03
15247	<i>Hiat1</i>	0.82	3.74	2.00E-03	72729	<i>Cdc42se2</i>	0.76	3.63	2.51E-03
70380	<i>Mospd1</i>	0.82	3.18	6.21E-03	73274	<i>Gbbp1</i>	0.76	3.51	3.17E-03
240028	<i>Lnpep</i>	0.82	3.33	4.57E-03	56193	<i>Plek</i>	0.76	4.18	8.14E-04
20198	<i>S100a4</i>	0.82	3.46	3.54E-03	320407	<i>Klri2</i>	0.76	3.58	2.79E-03
59044	<i>Rnf130</i>	0.82	3.42	3.80E-03	67043	<i>Syap1</i>	0.76	3.49	3.33E-03
75841	<i>Rnf139</i>	0.82	3.50	3.28E-03	12340	<i>Capza1</i>	0.75	4.24	7.22E-04
192287	<i>Slc25a36</i>	0.82	2.98	9.49E-03	67166	<i>Arl8b</i>	0.75	2.93	1.04E-02
70415	<i>Stk26</i>	0.82	3.68	2.25E-03	16412	<i>Itgb1</i>	0.75	4.65	3.19E-04
16409	<i>Itgam</i>	0.82	5.80	3.57E-05	20334	<i>Sec23a</i>	0.75	3.37	4.23E-03
14190	<i>Fgl2</i>	0.82	4.43	4.91E-04	210105	<i>Zfp719</i>	0.75	3.31	4.84E-03
329506	<i>Ctdspl2</i>	0.82	3.70	2.18E-03	78889	<i>Wsb1</i>	0.75	3.56	2.88E-03
51786	<i>Cpsf2</i>	0.81	3.55	2.91E-03	17246	<i>Mdm2</i>	0.75	3.49	3.32E-03
211556	<i>Ap1ar</i>	0.81	2.92	1.06E-02	72461	<i>Prcp</i>	0.75	3.11	7.18E-03
232288	<i>Frm4b</i>	0.81	3.83	1.67E-03	241633	<i>Atp8b4</i>	0.75	3.47	3.49E-03
54712	<i>Plxnc1</i>	0.81	3.14	6.85E-03	14828	<i>Hspa5</i>	0.75	5.17	1.16E-04
20200	<i>S100a6</i>	0.81	4.41	5.17E-04	74155	<i>Errfi1</i>	0.75	3.26	5.30E-03
30945	<i>Rnf19a</i>	0.81	3.71	2.12E-03	56758	<i>Mbnl1</i>	0.75	5.00	1.63E-04
19735	<i>Rgs2</i>	0.81	4.24	7.27E-04	229663	<i>Csde1</i>	0.75	3.63	2.47E-03
17999	<i>Nedd4</i>	0.81	3.89	1.48E-03	224088	<i>Atp13a3</i>	0.75	2.98	9.34E-03

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
	<i>5430427O</i>								
71398	<i>19Rik</i>	0.75	3.07	7.89E-03	70568	<i>Cpne3</i>	0.68	4.15	8.75E-04
19330	<i>Rab18</i>	0.74	3.53	3.06E-03	19299	<i>Abcd3</i>	0.68	2.96	9.76E-03
235442	<i>Rab8b</i>	0.74	3.92	1.38E-03	70425	<i>Csnk1g3</i>	0.68	3.48	3.41E-03
244713	<i>Zfp317</i>	0.74	3.39	4.05E-03	60361	<i>Ms4a4b</i>	0.68	3.22	5.78E-03
75991	<i>Slain2</i>	0.74	3.81	1.74E-03	319263	<i>Pcmdt1</i>	0.68	3.25	5.41E-03
234362	<i>Zfp868</i>	0.74	3.08	7.65E-03	232157	<i>Mob1a</i>	0.68	3.15	6.63E-03
244745	<i>Dpy19l1</i>	0.74	4.21	7.69E-04	22019	<i>Tpp2</i>	0.68	4.11	9.41E-04
16993	<i>Lta4h</i>	0.74	3.68	2.25E-03	22343	<i>Lin7c</i>	0.68	3.51	3.17E-03
108150	<i>Galnt7</i>	0.74	3.72	2.09E-03	12142	<i>Prdm1</i>	0.68	3.42	3.83E-03
101185	<i>Pot1a</i>	0.74	3.51	3.22E-03	12359	<i>Cat</i>	0.68	4.18	8.13E-04
53599	<i>Cd164</i>	0.73	3.80	1.76E-03	108155	<i>Ogt</i>	0.67	3.31	4.79E-03
12421	<i>Rb1cc1</i>	0.73	3.04	8.28E-03	74189	<i>Phactr3</i>	0.67	3.93	1.36E-03
11800	<i>Api5</i>	0.73	4.49	4.39E-04	66540	<i>Fam107b</i>	0.67	4.12	9.17E-04
22710	<i>Zfp52</i>	0.73	3.78	1.85E-03	50875	<i>Tmod3</i>	0.67	4.67	3.09E-04
20430	<i>Cyfp1</i>	0.73	3.61	2.57E-03	66131	<i>Tipin</i>	0.67	2.99	9.25E-03
24128	<i>Xrn2</i>	0.73	4.93	1.84E-04	56048	<i>Lgals8</i>	0.67	3.47	3.48E-03
12176	<i>Bnip3</i>	0.73	3.22	5.77E-03	20723	<i>Serpib9</i>	0.67	4.45	4.77E-04
66631	<i>Hiatl1</i>	0.72	4.20	7.76E-04	16646	<i>Kpna1</i>	0.67	4.04	1.08E-03
67300	<i>Cltc</i>	0.72	4.34	5.97E-04	18538	<i>Pcna</i>	0.66	3.94	1.32E-03
19650	<i>Rbl1</i>	0.72	3.26	5.31E-03	17258	<i>Mef2a</i>	0.66	3.37	4.24E-03
29809	<i>Rabgap1l</i>	0.72	3.27	5.18E-03	18475	<i>Pafah1b2</i>	0.66	3.59	2.68E-03
23881	<i>G3bp2</i>	0.72	4.27	6.83E-04	54391	<i>Rfk</i>	0.66	3.41	3.90E-03
27215	<i>Azi2</i>	0.72	3.07	7.86E-03	59007	<i>Ngly1</i>	0.66	3.07	7.75E-03
16174	<i>Il18rap</i>	0.72	3.98	1.23E-03	17524	<i>Mpp1</i>	0.66	3.15	6.67E-03
224008	<i>Spidr</i>	0.71	3.31	4.81E-03	234135	<i>Whsc111</i>	0.66	3.30	4.88E-03
99929	<i>Tiparp</i>	0.71	3.53	3.04E-03	11964	<i>Atp6v1a</i>	0.66	3.45	3.63E-03
27362	<i>Dnajb9</i>	0.70	3.11	7.26E-03	71801	<i>Plekhf2</i>	0.66	3.49	3.33E-03
50790	<i>Acsl4</i>	0.70	3.24	5.50E-03	74385	<i>Ap5m1</i>	0.66	3.18	6.25E-03
56442	<i>Serinc1</i>	0.70	3.65	2.42E-03	66979	<i>Pole4</i>	0.66	4.03	1.10E-03
80751	<i>Rnf34</i>	0.70	3.13	6.97E-03	52855	<i>Lair1</i>	0.66	3.30	4.91E-03
						<i>1810026J</i>			
67988	<i>Tmx3</i>	0.70	3.06	8.02E-03	69773	<i>23Rik</i>	0.66	2.92	1.07E-02
67466	<i>Pdcl</i>	0.70	2.98	9.40E-03	78826	<i>P2ry10</i>	0.66	4.47	4.59E-04
71713	<i>Cdc40</i>	0.70	3.08	7.66E-03	66588	<i>Cmpk1</i>	0.65	3.28	5.11E-03
76295	<i>Atp11b</i>	0.70	4.36	5.72E-04	98682	<i>Mfsd6</i>	0.65	3.25	5.40E-03
12033	<i>Bcap29</i>	0.70	3.21	5.86E-03	57319	<i>Smpdl3a</i>	0.65	3.42	3.87E-03
72198	<i>Skiv2l2</i>	0.70	3.71	2.12E-03	53625	<i>B3gnt2</i>	0.65	3.62	2.53E-03
						<i>10003652</i>			
15289	<i>Hmgb1</i>	0.70	3.09	7.57E-03	1	<i>Umad1</i>	0.65	3.09	7.57E-03
13382	<i>Dld</i>	0.69	2.94	1.03E-02	21888	<i>Tle4</i>	0.65	3.98	1.23E-03
11750	<i>Anxa7</i>	0.69	3.33	4.64E-03	266692	<i>Cpne1</i>	0.65	3.92	1.39E-03
72018	<i>Fundc1</i>	0.69	3.34	4.52E-03	17920	<i>Myo6</i>	0.65	3.09	7.52E-03
50793	<i>Orc3</i>	0.69	3.19	6.13E-03	74185	<i>Gbe1</i>	0.65	3.00	9.03E-03
72121	<i>Dennd2d</i>	0.69	3.16	6.50E-03	21917	<i>Tmpo</i>	0.65	3.00	9.02E-03
98758	<i>Hnrnpf</i>	0.69	3.96	1.28E-03	57344	<i>As3mt</i>	0.65	4.08	9.91E-04
65098	<i>Zfand6</i>	0.69	3.23	5.66E-03	109672	<i>Cyb5a</i>	0.65	3.00	8.99E-03
71745	<i>Cul2</i>	0.69	3.29	5.02E-03	67010	<i>Rbm7</i>	0.64	3.14	6.77E-03
240354	<i>Malt1</i>	0.69	3.93	1.34E-03	12774	<i>Ccr5</i>	0.64	3.77	1.87E-03
26908	<i>Eif2s3y</i>	0.68	3.26	5.28E-03	18777	<i>Lypla1</i>	0.64	3.57	2.84E-03
56736	<i>Rnf14</i>	0.68	3.16	6.52E-03	140580	<i>Elmo1</i>	0.64	3.43	3.78E-03
	<i>1810013L</i>								
69053	<i>24Rik</i>	0.68	3.26	5.27E-03	17191	<i>Mbd2</i>	0.64	3.42	3.79E-03
15312	<i>Hmgn1</i>	0.68	3.57	2.82E-03	108123	<i>Napg</i>	0.63	3.06	8.05E-03
71538	<i>Fbxo9</i>	0.68	3.18	6.20E-03	66922	<i>Rras2</i>	0.63	3.28	5.14E-03
69008	<i>Cab39l</i>	0.68	2.95	9.95E-03	74117	<i>Actr3</i>	0.63	4.22	7.55E-04

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
73341	<i>Arhgef6</i>	0.63	3.15	6.62E-03	226849	<i>Ppp2r5a</i>	0.56	3.13	7.00E-03
66109	<i>Tspan13</i>	0.63	3.67	2.31E-03	20849	<i>Stat4</i>	0.56	2.99	9.20E-03
72459	<i>Htatsf1</i>	0.62	3.00	9.08E-03	217430	<i>Pqhc3</i>	0.56	3.44	3.70E-03
54354	<i>Rassf5</i>	0.62	3.41	3.94E-03	83965	<i>Enpp5</i>	0.56	3.17	6.39E-03
74256	<i>Cyld</i>	0.62	3.38	4.13E-03	11848	<i>Rhoa</i>	0.55	3.03	8.49E-03
20482	<i>Skil</i>	0.62	3.83	1.65E-03	50928	<i>Klrg1</i>	0.55	3.37	4.26E-03
244049	<i>Mctp2</i>	0.62	3.26	5.33E-03	19684	<i>Rdx</i>	0.55	2.94	1.03E-02
24132	<i>Zfp53</i>	0.62	3.03	8.49E-03	387524	<i>Znrf2</i>	0.54	3.19	6.13E-03
19317	<i>Qk</i>	0.62	3.46	3.51E-03	107029	<i>Me2</i>	0.54	3.41	3.90E-03
17210	<i>Mcl1</i>	0.62	3.54	3.02E-03	15381	<i>Hnrnpc</i>	0.54	3.30	4.86E-03
77219	<i>Ptgr2</i>	0.62	2.99	9.30E-03	67869	<i>Paip2</i>	0.54	3.07	7.82E-03
14469	<i>Gbp2</i>	0.62	3.08	7.65E-03	50493	<i>Txnrd1</i>	0.54	3.43	3.79E-03
	<i>C330007P</i>								
77644	<i>O6Rik</i>	0.61	3.20	6.00E-03	20320	<i>Nptn</i>	0.54	3.11	7.27E-03
12332	<i>Capg</i>	0.61	3.41	3.89E-03	72278	<i>Ccpg1</i>	0.54	3.07	7.86E-03
11843	<i>Arf4</i>	0.61	3.74	1.98E-03	16952	<i>Anxa1</i>	0.54	3.41	3.88E-03
20363	<i>Sepp1</i>	0.61	4.03	1.12E-03	56356	<i>Gltf</i>	0.54	3.23	5.63E-03
93762	<i>Smarca5</i>	0.61	2.99	9.21E-03	66471	<i>Anp32e</i>	0.53	3.02	8.65E-03
70349	<i>Copb1</i>	0.61	3.44	3.68E-03	50778	<i>Rgs1</i>	0.53	3.07	7.91E-03
11797	<i>Birc2</i>	0.60	2.92	1.06E-02	11774	<i>Ap3b1</i>	0.53	2.98	9.37E-03
16401	<i>Itga4</i>	0.60	3.50	3.28E-03	329154	<i>Ankrd44</i>	0.53	3.29	4.99E-03
75734	<i>Mff</i>	0.60	3.78	1.84E-03	14272	<i>Fnta</i>	0.53	2.96	9.88E-03
83493	<i>Sacm1l</i>	0.60	3.37	4.22E-03	54451	<i>Cpsf3</i>	0.53	3.09	7.56E-03
13209	<i>Ddx6</i>	0.60	3.12	7.07E-03	26965	<i>Cul1</i>	0.53	3.01	8.80E-03
80898	<i>Erap1</i>	0.59	3.39	4.07E-03	93687	<i>Csnk1a1</i>	0.53	3.22	5.77E-03
338363	<i>Tmem241</i>	0.59	2.97	9.57E-03	68514	<i>Micu2</i>	0.53	3.30	4.89E-03
11491	<i>Adam17</i>	0.59	3.38	4.15E-03	331004	<i>Slc9a9</i>	0.53	3.12	7.08E-03
66482	<i>Exoc2</i>	0.59	3.09	7.48E-03	14939	<i>Gzmb</i>	0.52	3.35	4.46E-03
20463	<i>Cox7a2l</i>	0.59	3.21	5.89E-03	230257	<i>Ptbp3</i>	0.52	2.95	1.00E-02
101685	<i>Spty2d1</i>	0.59	3.42	3.82E-03	52830	<i>Pnrc2</i>	0.52	3.19	6.15E-03
						<i>Fam103a</i>			
56445	<i>Dnaja2</i>	0.59	3.20	6.03E-03	67148	<i>1</i>	0.52	2.94	1.02E-02
224938	<i>Pja2</i>	0.59	3.28	5.07E-03	108671	<i>Dnajc9</i>	0.52	2.98	9.33E-03
67163	<i>Ccdc47</i>	0.58	3.22	5.76E-03	71902	<i>Cand1</i>	0.52	3.24	5.57E-03
226652	<i>Arhgap30</i>	0.58	3.47	3.50E-03	59125	<i>Nek7</i>	0.52	3.09	7.57E-03
75292	<i>Prkd3</i>	0.58	3.06	7.95E-03	232023	<i>Vopp1</i>	0.51	3.20	5.98E-03
71853	<i>Pdia6</i>	0.58	4.09	9.88E-04	74493	<i>Tnks2</i>	0.51	3.44	3.69E-03
223601	<i>Fam49b</i>	0.58	4.01	1.15E-03	67771	<i>Arpc5</i>	0.50	2.96	9.82E-03
330260	<i>Pon2</i>	0.58	3.09	7.55E-03	16430	<i>Stt3a</i>	0.50	2.95	1.00E-02
67845	<i>Rnf115</i>	0.58	3.28	5.07E-03	72265	<i>Tram1</i>	0.50	2.92	1.05E-02
20610	<i>Sumo3</i>	0.58	2.98	9.34E-03	17086	<i>Ncr1</i>	0.50	3.14	6.73E-03
18583	<i>Pde7a</i>	0.58	3.02	8.75E-03	103963	<i>Rpn1</i>	0.48	3.31	4.81E-03
70495	<i>Atp6ap2</i>	0.57	3.08	7.65E-03	227929	<i>Cytip</i>	0.48	3.34	4.48E-03
218035	<i>Vps41</i>	0.57	3.53	3.06E-03	56258	<i>Hnrnp2</i>	0.47	3.18	6.23E-03
68421	<i>Lmbrd1</i>	0.57	3.03	8.50E-03	76740	<i>Efr3a</i>	0.47	2.97	9.63E-03
13663	<i>Ei24</i>	0.57	3.17	6.37E-03	26943	<i>Serinc3</i>	0.47	3.49	3.30E-03
212285	<i>Arap2</i>	0.57	3.06	7.96E-03	11881	<i>Arsb</i>	0.47	3.11	7.28E-03
67276	<i>Eri1</i>	0.57	3.22	5.79E-03	217664	<i>Mgat2</i>	0.46	2.99	9.21E-03
17936	<i>Nab1</i>	0.57	3.19	6.09E-03	17449	<i>Mdh1</i>	0.46	3.31	4.84E-03
18749	<i>Prkacb</i>	0.57	3.79	1.80E-03	15483	<i>Hsd11b1</i>	0.46	3.07	7.82E-03
12330	<i>Canx</i>	0.57	3.19	6.17E-03	20708	<i>Serpinb6b</i>	0.45	3.05	8.10E-03
17217	<i>Mcm4</i>	0.57	3.49	3.30E-03	18826	<i>Lcp1</i>	0.45	3.32	4.72E-03
53872	<i>Caprin1</i>	0.56	2.94	1.02E-02	12946	<i>Cr1l</i>	0.44	3.05	8.21E-03
19651	<i>Rbl2</i>	0.56	3.49	3.31E-03	12304	<i>Pdia4</i>	0.44	3.17	6.42E-03
	<i>AW11201</i>								
107350	<i>0</i>	0.56	3.78	1.84E-03	22177	<i>Tyrobp</i>	0.43	3.49	3.32E-03

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
13033	<i>Ctsd</i>	-0.39	-3.11	7.22E-03	66163	<i>Mrpl4</i>	-0.52	-2.97	9.57E-03
20303	<i>Ccl4</i>	-0.41	-2.95	1.01E-02	16205	<i>Gimap1</i>	-0.52	-3.47	3.46E-03
99311	<i>Commd7</i>	-0.41	-2.92	1.05E-02	57778	<i>Fmn11</i>	-0.53	-2.95	1.00E-02
266781	<i>Snx17</i>	-0.42	-2.93	1.04E-02	68449	<i>Tbc1d10b</i>	-0.53	-2.92	1.06E-02
67959	<i>Puf60</i>	-0.43	-2.99	9.18E-03	53356	<i>Eif3g</i>	-0.53	-3.41	3.94E-03
27027	<i>Tspan32</i>	-0.43	-3.10	7.42E-03	68090	<i>Yif1a</i>	-0.53	-3.38	4.13E-03
23900	<i>Hcst</i>	-0.43	-3.21	5.89E-03	22022	<i>Tpst2</i>	-0.53	-3.04	8.28E-03
50773	<i>Nt5c</i>	-0.44	-2.96	9.85E-03	16498	<i>Kcnab2</i>	-0.53	-3.18	6.22E-03
104416	<i>Bap1</i>	-0.45	-2.94	1.02E-02	407785	<i>Ndufs6</i>	-0.53	-3.21	5.95E-03
23943	<i>Esyt1</i>	-0.45	-3.19	6.15E-03	12444	<i>Ccnd2</i>	-0.53	-3.96	1.28E-03
100041965	<i>Oaz1-ps</i>	-0.45	-3.07	7.82E-03	213019	<i>Pdlim2</i>	-0.53	-3.27	5.20E-03
56457	<i>Clptm1</i>	-0.45	-3.13	6.95E-03	321022	<i>Cdv3</i>	-0.53	-3.18	6.24E-03
21766	<i>Tex261</i>	-0.45	-3.01	8.78E-03	66498	<i>Dda1</i>	-0.53	-3.50	3.25E-03
15388	<i>Hnrnp1</i>	-0.46	-2.99	9.24E-03	19246	<i>Ptpn1</i>	-0.54	-3.40	4.01E-03
						<i>2510039</i>			
12727	<i>Clcn4-2</i>	-0.46	-3.22	5.77E-03	77034	<i>O18Rik</i>	-0.54	-3.41	3.93E-03
66911	<i>Nudt16l1</i>	-0.46	-2.93	1.03E-02	11993	<i>Aup1</i>	-0.54	-3.35	4.41E-03
19173	<i>Psemb5</i>	-0.46	-3.04	8.27E-03	52683	<i>Ncaph2</i>	-0.54	-3.32	4.66E-03
94226	<i>S1pr5</i>	-0.46	-3.00	9.10E-03	21881	<i>Tkt</i>	-0.54	-3.35	4.41E-03
28169	<i>Agpat3</i>	-0.46	-2.94	1.01E-02	107951	<i>Cdk9</i>	-0.54	-3.41	3.90E-03
18600	<i>Padi2</i>	-0.47	-3.01	8.93E-03	503610	<i>Zdhhc18</i>	-0.54	-3.01	8.87E-03
12257	<i>Tspo</i>	-0.47	-3.22	5.73E-03	52530	<i>Nhp2</i>	-0.54	-3.36	4.37E-03
70110	<i>Ilf135</i>	-0.47	-2.98	9.43E-03	216443	<i>Mars</i>	-0.55	-3.71	2.10E-03
21354	<i>Tap1</i>	-0.47	-3.30	4.91E-03	12861	<i>Cox6a1</i>	-0.55	-3.77	1.87E-03
94230	<i>Cpsf1</i>	-0.47	-2.98	9.38E-03	56212	<i>Rhog</i>	-0.55	-3.52	3.11E-03
19184	<i>Psmc5</i>	-0.48	-3.23	5.61E-03	117109	<i>Pop5</i>	-0.55	-3.28	5.06E-03
192173	<i>Fam195b</i>	-0.48	-3.03	8.57E-03	66682	<i>Trappc5</i>	-0.55	-2.94	1.03E-02
16796	<i>Lasp1</i>	-0.48	-3.20	6.00E-03	26893	<i>Cops6</i>	-0.55	-3.82	1.69E-03
19708	<i>Dpf2</i>	-0.49	-3.16	6.48E-03	13430	<i>Dnm2</i>	-0.56	-3.11	7.27E-03
14705	<i>Bscl2</i>	-0.49	-3.33	4.59E-03	75731	<i>Idnk</i>	-0.56	-3.16	6.48E-03
51791	<i>Rgs14</i>	-0.49	-3.30	4.89E-03	78816	<i>Gmip</i>	-0.56	-3.01	8.91E-03
20924	<i>Supt5</i>	-0.49	-2.98	9.38E-03	108037	<i>Shmt2</i>	-0.56	-3.12	7.13E-03
99010	<i>Lpcat4</i>	-0.49	-3.08	7.63E-03	14977	<i>Slc39a7</i>	-0.56	-3.52	3.11E-03
13046	<i>Cellf1</i>	-0.50	-3.03	8.43E-03	22368	<i>Trpv2</i>	-0.57	-3.99	1.19E-03
						<i>1810043H</i>			
66460	<i>Sys1</i>	-0.50	-3.24	5.59E-03	208501	<i>04Rik</i>	-0.57	-3.14	6.84E-03
30055	<i>Timm13</i>	-0.50	-2.94	1.02E-02	13732	<i>Emp3</i>	-0.57	-3.50	3.28E-03
170706	<i>Tmem37</i>	-0.50	-3.58	2.77E-03	17127	<i>Smad3</i>	-0.57	-3.28	5.06E-03
106073	<i>Mfsd5</i>	-0.50	-3.33	4.65E-03	59031	<i>Chst12</i>	-0.58	-3.35	4.42E-03
16801	<i>Arhgef1</i>	-0.50	-2.94	1.01E-02	69094	<i>Tmem160</i>	-0.58	-3.38	4.20E-03
243819	<i>Ppp6r1</i>	-0.50	-3.15	6.66E-03	15270	<i>H2afx</i>	-0.58	-3.07	7.88E-03
54383	<i>Phc2</i>	-0.51	-3.19	6.08E-03	54563	<i>Nup210</i>	-0.58	-3.18	6.24E-03
27387	<i>Sh2d3c</i>	-0.51	-3.04	8.38E-03	71743	<i>Coasy</i>	-0.58	-3.07	7.82E-03
16391	<i>Irf9</i>	-0.51	-3.13	6.88E-03	12336	<i>Capns1</i>	-0.58	-3.12	7.05E-03
22793	<i>Zyx</i>	-0.51	-3.60	2.64E-03	20322	<i>Sord</i>	-0.58	-3.07	7.89E-03
22192	<i>Ube2m</i>	-0.51	-3.16	6.56E-03	24100	<i>Tpra1</i>	-0.58	-3.30	4.93E-03
53313	<i>Atp2a3</i>	-0.51	-3.29	4.99E-03	114601	<i>Ehbp111</i>	-0.58	-3.19	6.09E-03
67604	<i>Get4</i>	-0.51	-3.05	8.19E-03	65107	<i>Lrp10</i>	-0.58	-3.31	4.81E-03
14904	<i>Gtpbp1</i>	-0.51	-3.43	3.79E-03	67212	<i>Mrpl55</i>	-0.58	-3.29	5.03E-03
237360	<i>Adamts14</i>	-0.51	-3.01	8.84E-03	20737	<i>Spn</i>	-0.58	-3.65	2.38E-03
69171	<i>Cnppd1</i>	-0.52	-3.18	6.28E-03	51788	<i>H2afz</i>	-0.58	-3.01	8.85E-03
113868	<i>Acaa1a</i>	-0.52	-2.93	1.03E-02	18245	<i>Oaz1</i>	-0.58	-3.83	1.64E-03
18739	<i>Pitpnm1</i>	-0.52	-3.07	7.82E-03	67976	<i>Trabd</i>	-0.58	-3.61	2.59E-03
101489	<i>Ric8</i>	-0.52	-3.45	3.60E-03	192662	<i>Arhgdia</i>	-0.59	-3.45	3.61E-03
16792	<i>Laptm5</i>	-0.52	-3.64	2.46E-03	60315	<i>Myg1</i>	-0.59	-3.25	5.46E-03
22273	<i>Uqcrc1</i>	-0.52	-3.39	4.09E-03	24058	<i>Sigirr</i>	-0.59	-3.61	2.61E-03

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
109075	<i>Exosc4</i>	-0.59	-2.97	9.62E-03	83672	<i>Sytl3</i>	-0.65	-4.03	1.11E-03
207740	<i>Ubald1</i>	-0.59	-3.19	6.11E-03	26403	<i>Map3k11</i>	-0.65	-3.22	5.72E-03
69920	<i>Polr2i</i>	-0.59	-3.29	4.98E-03	66230	<i>Mrps28</i>	-0.65	-3.07	7.82E-03
20911	<i>Stxbp2</i>	-0.59	-3.50	3.26E-03	97387	<i>Strn4</i>	-0.65	-3.25	5.40E-03
13191	<i>Dctn1</i>	-0.59	-3.13	6.91E-03	66590	<i>Farsa</i>	-0.65	-3.67	2.32E-03
68033	<i>Cox19</i>	-0.59	-3.08	7.64E-03	52710	<i>Slc52a2</i>	-0.65	-3.22	5.77E-03
14070	<i>F8a</i>	-0.59	-3.05	8.20E-03	26396	<i>Map2k2</i>	-0.66	-3.46	3.54E-03
55927	<i>Hes6</i>	-0.59	-3.64	2.44E-03	13611	<i>S1pr4</i>	-0.66	-3.18	6.30E-03
232807	<i>Ppp1r12c</i>	-0.59	-3.17	6.43E-03	320184	<i>Lrrc58</i>	-0.66	-3.20	6.02E-03
105847	<i>Lmf2</i>	-0.60	-3.23	5.64E-03	68938	<i>Aspscr1</i>	-0.66	-3.76	1.92E-03
100182	<i>Akna</i>	-0.60	-3.39	4.06E-03	54128	<i>Pmm2</i>	-0.66	-3.61	2.58E-03
56395	<i>Tmem115</i>	-0.60	-3.09	7.50E-03	66258	<i>Mrps17</i>	-0.67	-3.04	8.25E-03
76954	<i>St5</i>	-0.60	-3.54	3.01E-03	18034	<i>Nfkb2</i>	-0.67	-3.05	8.24E-03
69683	<i>Emc10</i>	-0.60	-3.34	4.47E-03	20810	<i>Srm</i>	-0.67	-3.47	3.45E-03
15505	<i>Hsph1</i>	-0.60	-3.07	7.76E-03	96979	<i>Ptges2</i>	-0.67	-3.39	4.06E-03
66245	<i>Hspbp1</i>	-0.60	-3.09	7.51E-03	65967	<i>Eefsec</i>	-0.67	-3.78	1.82E-03
56282	<i>Mrpl12</i>	-0.61	-2.94	1.02E-02	68035	<i>Rbm42</i>	-0.67	-3.45	3.60E-03
14232	<i>Fkbp8</i>	-0.61	-3.25	5.48E-03	70383	<i>Cox10</i>	-0.67	-3.50	3.28E-03
17347	<i>Mknk2</i>	-0.61	-3.35	4.46E-03	66599	<i>Rdm1</i>	-0.67	-4.10	9.50E-04
228866	<i>Pcif1</i>	-0.61	-3.74	2.00E-03	27356	<i>Insl6</i>	-0.67	-3.06	7.99E-03
108911	<i>Rcc2</i>	-0.61	-3.66	2.34E-03	234374	<i>Ddx49</i>	-0.67	-3.04	8.36E-03
14693	<i>Gnb2</i>	-0.61	-3.07	7.88E-03	74137	<i>Nuak2</i>	-0.68	-2.97	9.60E-03
64295	<i>Tmub1</i>	-0.61	-3.12	7.03E-03	77254	<i>Yif1b</i>	-0.68	-3.47	3.47E-03
16541	<i>Napsa</i>	-0.61	-3.64	2.42E-03	94091	<i>Trim11</i>	-0.68	-3.10	7.38E-03
94112	<i>Med15</i>	-0.61	-3.24	5.54E-03	100608	<i>Noc4l</i>	-0.69	-2.97	9.58E-03
21754	<i>Tesk1</i>	-0.61	-3.24	5.52E-03	68796	<i>Tmem214</i>	-0.69	-3.14	6.75E-03
71990	<i>Ddx54</i>	-0.62	-3.63	2.48E-03	68401	<i>G6pc3</i>	-0.70	-2.99	9.12E-03
20174	<i>Ruvbl2</i>	-0.62	-3.23	5.63E-03	606496	<i>Gsk3a</i>	-0.70	-3.77	1.89E-03
26417	<i>Mapk3</i>	-0.62	-3.56	2.88E-03	18036	<i>Nfkbib</i>	-0.70	-3.33	4.58E-03
13144	<i>Dapk3</i>	-0.62	-3.41	3.91E-03	545192	<i>Baiap3</i>	-0.70	-4.22	7.54E-04
21355	<i>Tap2</i>	-0.62	-3.89	1.47E-03	224742	<i>Abcf1</i>	-0.70	-3.39	4.05E-03
12767	<i>Cxcr4</i>	-0.62	-3.47	3.44E-03	56310	<i>Gps2</i>	-0.70	-3.55	2.96E-03
75406	<i>Ndufs7</i>	-0.62	-3.52	3.14E-03	213491	<i>Szrd1</i>	-0.71	-3.03	8.54E-03
16418	<i>Eif6</i>	-0.62	-4.22	7.51E-04	72544	<i>Exosc6</i>	-0.71	-3.40	3.96E-03
228961	<i>Npepl1</i>	-0.62	-3.13	6.97E-03	224640	<i>Lemd2</i>	-0.71	-4.10	9.57E-04
381199	<i>Tmem151</i>								
381199	<i>a</i>	-0.63	-3.40	4.01E-03	27966	<i>Rrp9</i>	-0.71	-3.35	4.41E-03
75796	<i>Cdyl2</i>	-0.63	-3.21	5.92E-03	66194	<i>Pycrl</i>	-0.71	-3.48	3.38E-03
19171	<i>Psmb10</i>	-0.63	-3.90	1.44E-03	77980	<i>Sbf1</i>	-0.71	-3.23	5.67E-03
54131	<i>Irf3</i>	-0.63	-3.35	4.42E-03	102115	<i>Dohh</i>	-0.71	-3.25	5.40E-03
57314	<i>Nelfcd</i>	-0.63	-3.61	2.59E-03	13537	<i>Dusp2</i>	-0.71	-4.16	8.45E-04
67873	<i>Mri1</i>	-0.63	-3.09	7.51E-03	28000	<i>Prpf19</i>	-0.71	-4.20	7.78E-04
216150	<i>Cdc34</i>	-0.63	-3.92	1.37E-03	216858	<i>Kctd11</i>	-0.72	-3.46	3.53E-03
21803	<i>Tgfb1</i>	-0.63	-3.11	7.19E-03	13728	<i>Mark2</i>	-0.72	-4.41	5.15E-04
227327	<i>B3gnt7</i>	-0.63	-3.13	6.89E-03	229003	<i>Helz2</i>	-0.72	-3.10	7.42E-03
217835	<i>Rin3</i>	-0.64	-3.32	4.73E-03	103425	<i>Ncln</i>	-0.72	-2.97	9.67E-03
56289	<i>Rassf1</i>	-0.64	-3.42	3.80E-03	67509	<i>Saysd1</i>	-0.72	-4.02	1.13E-03
66617	<i>Ntmt1</i>	-0.64	-3.26	5.34E-03	67177	<i>Cdt1</i>	-0.72	-2.97	9.57E-03
74178	<i>Stk40</i>	-0.65	-3.37	4.22E-03	216792	<i>Iba57</i>	-0.72	-2.94	1.02E-02
216156	<i>Wdr18</i>	-0.65	-3.58	2.75E-03	212139	<i>Cc2d1a</i>	-0.72	-3.09	7.58E-03
103724	<i>Tbc1d10a</i>	-0.65	-3.48	3.38E-03	67078	<i>Pgp</i>	-0.72	-3.79	1.81E-03
623286	<i>Gm6415</i>	-0.65	-2.95	1.01E-02	11461	<i>Actb</i>	-0.72	-4.24	7.17E-04
224727	<i>Bag6</i>	-0.65	-3.16	6.54E-03	13631	<i>Eef2k</i>	-0.72	-3.87	1.54E-03
13653	<i>Egr1</i>	-0.65	-3.20	6.07E-03	243910	<i>Nfkbid</i>	-0.73	-3.48	3.37E-03
56187	<i>Rabggta</i>	-0.65	-3.09	7.47E-03	66836	<i>Tmem223</i>	-0.73	-4.05	1.07E-03
71711	<i>Mus81</i>	-0.65	-3.32	4.68E-03	99382	<i>Abtb2</i>	-0.73	-3.65	2.39E-03

EntrezID	Symbol	logFC	t	P.Value	EntrezID	Symbol	logFC	t	P.Value
108888	<i>Atad3a</i>	-0.73	-3.02	8.71E-03	72344	<i>Usp36</i>	-0.84	-3.48	3.39E-03
66406	<i>Sac3d1</i>	-0.73	-3.81	1.72E-03	16905	<i>Lmna</i>	-0.85	-4.21	7.66E-04
66627	<i>Ogfod2</i>	-0.73	-3.03	8.52E-03	108657	<i>Rnpepl1</i>	-0.85	-4.17	8.38E-04
94178	<i>Mcoln1</i>	-0.73	-2.93	1.04E-02	73338	<i>Itpr1l1</i>	-0.85	-3.00	9.12E-03
22321	<i>Vars</i>	-0.73	-3.68	2.26E-03	77407	<i>Rab35</i>	-0.86	-3.02	8.60E-03
212123	<i>Dcaf15</i>	-0.74	-2.97	9.53E-03	72205	<i>Eml2</i>	-0.86	-3.64	2.45E-03
236539	<i>Phgdh</i>	-0.74	-3.06	7.98E-03	108176	<i>Npm3-ps1</i>	-0.87	-3.27	5.16E-03
22084	<i>Tsc2</i>	-0.74	-3.60	2.66E-03	66056	<i>Zfp524</i>	-0.87	-3.85	1.59E-03
74015	<i>Fcho1</i>	-0.74	-4.04	1.08E-03	23877	<i>Fiz1</i>	-0.87	-4.35	5.82E-04
107770	<i>Tm6sf2</i>	-0.74	-3.29	4.96E-03	235623	<i>Scap</i>	-0.88	-4.67	3.06E-04
	<i>E130309D</i>								
231868	<i>O2Rik</i>	-0.74	-3.89	1.46E-03	140559	<i>Igsf8</i>	-0.88	-4.01	1.14E-03
69876	<i>Thap3</i>	-0.75	-2.95	9.98E-03	231637	<i>Ssh1</i>	-0.88	-3.32	4.68E-03
223920	<i>Soat2</i>	-0.75	-3.88	1.51E-03	66830	<i>Nacc1</i>	-0.89	-3.15	6.67E-03
140500	<i>Acap3</i>	-0.75	-2.98	9.42E-03	233905	<i>Zfp646</i>	-0.89	-3.24	5.52E-03
217837	<i>Itpk1</i>	-0.75	-3.99	1.20E-03	74347	<i>Tldc1</i>	-0.90	-3.65	2.40E-03
						<i>C330006</i>			
231872	<i>Aimp2</i>	-0.75	-4.21	7.64E-04	109299	<i>A16Rik</i>	-0.90	-3.67	2.29E-03
72075	<i>Ogfr</i>	-0.76	-3.49	3.33E-03	232975	<i>Atp1a3</i>	-0.91	-3.32	4.73E-03
67223	<i>Rrp15</i>	-0.76	-3.09	7.48E-03	320534	<i>Tmem104</i>	-0.91	-3.74	1.98E-03
110355	<i>Adrbk1</i>	-0.76	-4.64	3.25E-04	100609	<i>Nsun5</i>	-0.91	-3.89	1.47E-03
					10086153				
107242	<i>Al837181</i>	-0.77	-3.34	4.52E-03	1	<i>Rn45s</i>	-0.91	-5.60	5.22E-05
21849	<i>Trim28</i>	-0.77	-3.74	1.98E-03	71885	<i>Faap100</i>	-0.91	-3.48	3.40E-03
71772	<i>Plbd2</i>	-0.77	-3.82	1.69E-03	22761	<i>Zfpm1</i>	-0.91	-4.61	3.48E-04
68510	<i>Ints1</i>	-0.78	-3.12	7.13E-03	76467	<i>Msrb2</i>	-0.92	-2.96	9.85E-03
101867	<i>Rrp8</i>	-0.78	-3.70	2.18E-03	11911	<i>Atf4</i>	-0.92	-4.56	3.80E-04
68925	<i>Rpap1</i>	-0.78	-3.20	6.00E-03	216869	<i>Arrb2</i>	-0.93	-4.72	2.79E-04
239985	<i>Arid1b</i>	-0.78	-3.00	9.01E-03	21453	<i>Tcof1</i>	-0.94	-3.50	3.29E-03
208624	<i>Alg3</i>	-0.78	-4.03	1.11E-03	18971	<i>Pold1</i>	-0.94	-4.91	1.93E-04
74126	<i>Syvn1</i>	-0.78	-3.82	1.68E-03	109305	<i>Orai1</i>	-0.95	-4.00	1.17E-03
243867	<i>Fbxo46</i>	-0.79	-3.73	2.04E-03	57370	<i>B4galt3</i>	-0.95	-4.25	7.03E-04
23879	<i>Fxr2</i>	-0.79	-3.84	1.62E-03	224630	<i>Bnip1</i>	-0.97	-3.01	8.82E-03
15239	<i>Hgs</i>	-0.79	-3.66	2.32E-03	12953	<i>Cry2</i>	-0.97	-3.49	3.34E-03
272359	<i>Irf2bp1</i>	-0.79	-3.83	1.67E-03	114674	<i>Gtf2ird2</i>	-0.97	-3.56	2.90E-03
233033	<i>Samd4b</i>	-0.79	-3.16	6.48E-03	57028	<i>Pdxp</i>	-0.98	-3.56	2.90E-03
						<i>D11Wsu4</i>			
224650	<i>Anks1</i>	-0.79	-3.61	2.58E-03	276852	<i>7e</i>	-0.99	-3.70	2.17E-03
70294	<i>Rnf126</i>	-0.80	-2.92	1.06E-02	75613	<i>Med25</i>	-0.99	-3.79	1.80E-03
54218	<i>B3galt4</i>	-0.80	-3.10	7.35E-03	72306	<i>Zfp777</i>	-0.99	-3.18	6.27E-03
67382	<i>Brd3</i>	-0.81	-2.96	9.73E-03	20788	<i>Sreb2</i>	-0.99	-4.84	2.19E-04
						<i>1810043</i>			
270058	<i>Map1s</i>	-0.81	-3.56	2.86E-03	67884	<i>G02Rik</i>	-1.00	-3.15	6.62E-03
767812	<i>AA474408</i>	-0.82	-3.35	4.43E-03	66985	<i>Rassf7</i>	-1.01	-3.04	8.37E-03
11987	<i>Slc7a1</i>	-0.82	-3.77	1.86E-03	26569	<i>Slc27a4</i>	-1.02	-5.47	6.63E-05
227700	<i>Sh3glb2</i>	-0.82	-3.54	2.98E-03	20535	<i>Slc4a2</i>	-1.02	-4.84	2.19E-04
16885	<i>Limk1</i>	-0.82	-3.33	4.59E-03	19216	<i>Ptger1</i>	-1.02	-3.07	7.84E-03
231855	<i>Ap5z1</i>	-0.82	-2.92	1.07E-02	12502	<i>Cd3g</i>	-1.05	-3.60	2.64E-03
18150	<i>Npm3</i>	-0.83	-3.00	9.03E-03	67187	<i>Zmynd19</i>	-1.05	-3.29	4.96E-03
19698	<i>Relb</i>	-0.83	-4.04	1.08E-03	232976	<i>Zfp574</i>	-1.06	-4.11	9.33E-04
20227	<i>Sart1</i>	-0.83	-4.26	6.92E-04	224674	<i>Slc37a1</i>	-1.07	-4.51	4.24E-04
	<i>2310033P</i>								
67862	<i>O9Rik</i>	-0.83	-3.15	6.64E-03	18115	<i>Nnt</i>	-1.08	-4.66	3.17E-04
20222	<i>Sf3a2</i>	-0.83	-3.19	6.12E-03	74637	<i>Shpk</i>	-1.10	-3.26	5.34E-03
192159	<i>Prpf8</i>	-0.83	-5.49	6.40E-05	13660	<i>Ehd1</i>	-1.11	-4.57	3.77E-04
66965	<i>Ctu2</i>	-0.84	-3.90	1.43E-03	56491	<i>Vapb</i>	-1.11	-5.30	9.10E-05
68038	<i>Chid1</i>	-0.84	-3.23	5.68E-03	17776	<i>Mast2</i>	-1.11	-3.52	3.10E-03

EntrezID	Symbol	logFC	t	P.Value
18391	<i>Sigmar1</i>	-1.12	-4.94	1.80E-04
19791	<i>Rn18s</i>	-1.13	-4.87	2.08E-04
20539	<i>Slc7a5</i>	-1.14	-4.39	5.31E-04
217011	<i>Nle1</i>	-1.15	-3.09	7.60E-03
100628584	NA	-1.17	-2.99	9.18E-03
19228	<i>Pth1r</i>	-1.17	-3.08	7.65E-03
18020	<i>Nfatc2ip</i>	-1.19	-3.26	5.34E-03
13808	<i>Eno3</i>	-1.22	-2.93	1.05E-02
19345	<i>Rab5c</i>	-1.23	-5.14	1.23E-04
382639	<i>Zbtb42</i>	-1.26	-3.21	5.89E-03
78303	<i>Hist3h2ba</i>	-1.26	-3.95	1.29E-03
223697	<i>Sun2</i>	-1.27	-5.35	8.34E-05
69890	<i>Zfp219</i>	-1.28	-3.24	5.56E-03
666704	<i>Samd1</i>	-1.29	-3.23	5.62E-03
14747	<i>Cmklr1</i>	-1.31	-4.27	6.85E-04
216292	<i>Mettl25</i>	-1.31	-3.35	4.43E-03
57773	<i>Wdr4</i>	-1.34	-4.79	2.45E-04
67724	<i>Pop1</i>	-1.36	-2.93	1.04E-02
22340	<i>Vegfb</i>	-1.36	-3.28	5.13E-03
328162	<i>Trmt61a</i>	-1.37	-5.61	5.07E-05
13198	<i>Ddit3</i>	-1.37	-5.90	3.02E-05
100628626	NA	-1.37	-5.22	1.06E-04
246221	<i>Mpst</i>	-1.38	-3.13	6.88E-03
11567	<i>Avil</i>	-1.38	-3.80	1.77E-03
13007	<i>Csrp1</i>	-1.38	-8.07	8.11E-07
78928	<i>Pigt</i>	-1.39	-5.34	8.53E-05
57740	<i>Stk32c</i>	-1.44	-4.78	2.50E-04
110094	<i>Phka2</i>	-1.44	-4.02	1.13E-03
69358	<i>Lrrc51</i>	-1.46	-3.13	6.90E-03
384309	<i>Trim56</i>	-1.50	-2.98	9.38E-03
72960	<i>Top1mt</i>	-1.60	-7.41	2.27E-06
66971	<i>Cdk5rap1</i> <i>1700030C</i>	-1.64	-3.22	5.81E-03
69513	<i>10Rik</i>	-1.69	-3.02	8.74E-03
21952	<i>Tnni1</i>	-1.71	-6.11	2.05E-05
215445	<i>Rab11fip3</i> <i>1700019G</i>	-1.80	-2.97	9.63E-03
75541	<i>17Rik</i>	-1.85	-4.52	4.15E-04
56702	<i>Hist1h1b</i>	-1.88	-3.36	4.34E-03
665433	<i>Hist1h2ao</i>	-1.92	-4.24	7.23E-04
14787	<i>Rhpn1</i>	-1.96	-7.27	2.87E-06
68428	<i>Steap3</i>	-2.08	-7.44	2.16E-06
232816	<i>Zfp628</i>	-2.13	-3.49	3.30E-03
55963	<i>Slc1a4</i>	-2.14	-3.10	7.40E-03
329679	<i>Fnip2</i>	-2.36	-3.23	5.70E-03
12323	<i>Camk2b</i>	-2.36	-9.92	5.90E-08
66515	<i>Cul7</i>	-2.47	-3.22	5.81E-03
69368	<i>Wdfy1</i>	-3.63	-14.39	3.83E-10
13034	<i>Ctse</i>	-3.76	-17.06	3.48E-11
60597	<i>Mapk8ip2</i>	-4.94	-3.11	7.16E-03
72978	<i>Cnih3</i>	-5.28	-3.23	5.68E-03
13924	<i>Ptprv</i>	-5.59	-2.94	1.02E-02
19363	<i>Rad51b</i>	-5.73	-3.58	2.79E-03
215456	<i>Gpat2</i>	-6.89	-3.76	1.90E-03

Dataset S3.

Differential mRNA expression in NK1.1⁺CD3⁻ NK cells from lung of C57BL/6 vs. Ly5.1^{C14R} mice inoculated with B16F10

EntrezID	Symbol	logFC	t	P Value	EntrezID	Symbol	logFC	t	P Value
74039	<i>Nfam1</i>	4.96	4.17	8.32E-04	13669	<i>Eif3a</i>	0.78	4.99	1.66E-04
17105	<i>Lyz2</i>	3.19	4.17	8.31E-04	80859	<i>Nfkbiz</i>	0.77	4.05	1.06E-03
	<i>1700112E0</i>								
76633	<i>6Rik</i>	3.08	5.28	9.54E-05	22027	<i>Hsp90b1</i>	0.76	4.31	6.35E-04
71884	<i>Chit1</i>	2.92	4.36	5.73E-04	14733	<i>Gpc1</i>	0.74	4.68	3.01E-04
217716	<i>Mlh3</i>	2.48	4.11	9.44E-04	56876	<i>Nsmf</i>	0.74	4.31	6.32E-04
383563	<i>Gpr25</i>	2.39	5.83	3.38E-05	12385	<i>Ctnna1</i>	0.74	4.26	6.96E-04
384763	<i>Zfp667</i>	2.29	4.36	5.64E-04	12332	<i>Capg</i>	0.71	4.55	3.89E-04
20720	<i>Serpine2</i>	2.29	8.00	9.10E-07	20893	<i>Bhlhe40</i>	0.70	4.13	9.00E-04
215615	<i>Rnpep</i>	2.28	10.97	1.56E-08	71853	<i>Pdia6</i>	0.70	5.26	9.93E-05
215114	<i>Hip1</i>	2.02	8.03	8.68E-07	16523	<i>Kcnj8</i>	0.70	4.08	9.90E-04
233064	<i>Wdr62</i>	1.96	4.17	8.27E-04	13713	<i>Elk3</i>	0.67	4.58	3.69E-04
12227	<i>Btg2</i>	1.69	11.59	7.48E-09	16401	<i>Itga4</i>	0.66	4.21	7.63E-04
20308	<i>Ccl9</i>	1.69	8.49	4.35E-07	50928	<i>Klrg1</i>	0.66	4.15	8.65E-04
20750	<i>Spp1</i>	1.64	7.68	1.50E-06	231872	<i>Aimp2</i>	-0.64	-4.15	8.64E-04
13136	<i>Cd55</i>	1.48	6.46	1.10E-05	319475	<i>Zfp672</i>	-0.69	-4.21	7.75E-04
11567	<i>Avil</i>	1.40	4.69	2.95E-04	12767	<i>Cxcr4</i>	-0.71	-4.21	7.73E-04
235587	<i>Parp3</i>	1.36	5.15	1.22E-04	16529	<i>Kcnk5</i>	-0.74	-4.20	7.89E-04
15248	<i>Hic1</i>	1.35	4.19	8.02E-04	17937	<i>Nab2</i>	-0.76	-4.31	6.29E-04
105171	<i>Arrdc3</i>	1.34	5.68	4.49E-05	12766	<i>Cxcr3</i>	-0.76	-5.60	5.20E-05
213452	<i>Dsty</i>	1.34	4.25	7.15E-04	67433	<i>Ccdc127</i>	-0.80	-4.36	5.71E-04
66184	<i>Rps4l</i>	1.21	4.92	1.89E-04	101602	<i>Al467606</i>	-0.83	-4.28	6.73E-04
27221	<i>Chaf1a</i>	1.20	4.63	3.32E-04	17709	<i>COX2</i>	-0.85	-4.12	9.23E-04
16998	<i>Ltbp3</i>	1.19	4.04	1.08E-03	80981	<i>Arl4d</i>	-0.87	-4.84	2.21E-04
244416	<i>Ppp1r3b</i>	1.17	4.62	3.42E-04	13007	<i>Csrp1</i>	-0.88	-5.68	4.46E-05
67951	<i>Tubb6</i>	1.16	4.10	9.64E-04	27981	<i>Rsrp1</i>	-0.89	-5.19	1.11E-04
20620	<i>Plk2</i>	1.14	4.69	2.96E-04	54218	<i>B3galt4</i>	-0.90	-4.05	1.06E-03
241041	<i>Gm4956</i>	1.07	5.28	9.43E-05	767812	<i>AA474408</i>	-0.93	-4.17	8.28E-04
233315	<i>Mtmr10</i>	1.07	4.36	5.70E-04	27267	<i>Cars</i>	-0.93	-4.28	6.62E-04
15018	<i>H2-Q7</i>	1.06	7.86	1.13E-06	328162	<i>Trmt61a</i>	-0.94	-4.88	2.05E-04
16881	<i>Lig1</i>	1.05	5.03	1.53E-04	233893	<i>Zfp764</i>	-1.04	-4.52	4.14E-04
20198	<i>S100a4</i>	1.05	5.48	6.53E-05	20539	<i>Slc7a5</i>	-1.09	-4.71	2.84E-04
26408	<i>Map3k5</i>	1.02	4.77	2.52E-04	66985	<i>Rassf7</i>	-1.09	-4.23	7.32E-04
170757	<i>Adgrl4</i>	1.00	4.10	9.65E-04	18115	<i>Nnt</i>	-1.14	-5.46	6.75E-05
14159	<i>Fes</i>	0.99	5.22	1.07E-04	21390	<i>Tbxa2r</i>	-1.14	-4.49	4.38E-04
13822	<i>Epb41l2</i>	0.99	4.15	8.72E-04	51801	<i>Ramp1</i>	-1.17	-4.11	9.47E-04
20393	<i>Sgk1</i>	0.98	5.42	7.25E-05	12323	<i>Camk2b</i>	-1.32	-6.64	8.15E-06
12495	<i>Entpd1</i>	0.98	5.61	5.08E-05	208194	<i>Exog</i>	-1.42	-5.22	1.06E-04
19734	<i>Rgs16</i>	0.96	4.73	2.72E-04	68428	<i>Steap3</i>	-1.59	-6.94	4.94E-06
19735	<i>Rgs2</i>	0.94	5.14	1.23E-04	68241	<i>Fam195a</i>	-2.00	-4.28	6.74E-04
13167	<i>Dbi</i>	0.91	4.22	7.60E-04	12502	<i>Cd3g</i>	-2.03	-7.14	3.51E-06
20200	<i>S100a6</i>	0.88	4.99	1.64E-04	12862	<i>Cox6a2</i>	-1.87	-5.18	1.14E-04
21929	<i>Tnfaip3</i>	0.84	4.71	2.87E-04	21952	<i>Tnni1</i>	-2.00	-7.65	1.55E-06
						<i>1700030C1</i>			
73828	<i>Dcaf4</i>	0.83	4.12	9.13E-04	69513	<i>ORik</i>	-2.28	-4.50	4.32E-04
18706	<i>Pik3ca</i>	0.81	4.04	1.08E-03	69368	<i>Wdfy1</i>	-3.57	-16.57	5.27E-11
234776	<i>Atmin</i>	0.79	4.59	3.60E-04	13034	<i>Ctse</i>	-4.26	-21.27	1.48E-12