



Supplementary Materials for

Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production

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Science **375**, 214 (2022)
DOI: 10.1126/science.abg3067

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MDAR Reproducibility Checklist

1. Materials and Methods

Animals

Apoe^{-/-}, *Ldlr*^{-/-}, *Nlrp3*^{-/-}, *Adcy3*^{+/-}, *Olfir2*^{GFP} and *wt* mice on C57BL/6J background were purchased from Jackson Laboratories. *Rtp1/2*^{dHET} breeding pairs were kindly provided by Dr. Hiroaki Matsunami from the Duke University Medical Center. Germ-free C57BL/6J mice were bred and maintained at the gnotobiotic facility of the University of California, San Diego. The germ-free status was confirmed weekly by standard microbiological cultures of fecal extracts, using thioglycollate broth and potato dextrose broth for facultative anaerobes including fungi, and cooked meat broth, heart infusion broth, and Columbia blood agar for obligate anaerobes. Sex-matched mice (8–10 weeks old) were used in all experiments unless specified. Mice were housed in a conventional environment and had access to chow diet *ad libitum*. From 8-10 weeks of age on, *Apoe*^{-/-} mice were fed a western diet (WD) with 42% calories from fat (Harlan Labs Cat #: TD.88137) and remained on WD until sacrifice. *Ldlr*^{-/-} mice (8-10 weeks of age) were used for bone marrow transplantation experiments as specified in detail below.

Olfir2^{-/-} mice were generated by the UCSD transgenic mouse facility through zygote microinjection of CRISPR-Cas9 Nuclease. gRNAs (5'-ATGGAGCGAAGGAACCACAC-3') targeting the *Olfir2* gene were designed using the Crispr MIT website (<http://crispr.mit.edu/>) along with the CRISPR-Cas9 guide RNA design tool of Integrated DNA Technologies (IDT) (https://www.idtdna.com/site/order/designtool/index/CRISPR_SEQUENCE), which in combination determined the most efficient and specific guide RNA. crRNAs were ordered from Integrated DNA Technologies, Inc. for testing of the Alt-R system. Tracr (cat# 1072532 Integrated DNA Technologies, Inc) and crRNA were combined according to the manufacturer's protocol. crRNA: tracrRNA duplexes were mixed with Cas9 protein (cat# 1074181 Integrated DNA Technologies, Inc) before microinjection into zygotes, which were transferred into a pseudo-pregnant recipient mouse. Analysis of Cas9 activity was performed by amplifying a region of genomic DNA around the site of interest. The primer pair 5'-TGGCCAGGATAAAGTCTG-3' and 5'-TTCTTGGCTCACCATTTCAG-3' was used to amplify a region flanking the *Olfir2* cut site. PCR amplification was performed with the CloneAmp HiFi PCR Premix (cat# 639298 Clontech Labs) according to manufacturer's instructions. PCR amplicons were then submitted for Sanger sequencing (Eton Biosciences) and subsequent chromatographs were uploaded to the Geneious prime software with their respective non-edited control chromatogram.

All animal experiments were conducted in accordance with the institutional guidelines at the La Jolla Institute for Immunology animal facility and by the University of California San Diego Institutional Animal Care and Use Committee. Sample size was determined to be adequate based on the magnitude and consistency of measurable differences between groups. Sample sizes used for atherosclerosis experiments, were based on the minimal amount of mice required to detect significance with an alpha rate set at .05 in a standardly powered experiment.

Mouse aorta *ex vivo* culture

Each aorta was surgically removed and carefully cleaned of adipose tissue *in situ*. Aortas were either kept whole or were enzymatically digested. In brief, aortas were cut into small pieces and individually digested 1h at 37 °C in HBSS containing 450 U/ml collagenase I (cat# C0130, Sigma Aldrich), 250 U/ml collagenase XI (cat# C7667, Sigma Aldrich), 120 U/ml hyaluronidase (cat# H3506, Sigma Aldrich), and 60 U/ml DNase I (cat# LS006344, Worthington Biochemical). The digested aortic cell suspension was filtered through a 50µm cell strainer (Sysmex Partec) and washed with warm 37°C RPMI-1640 medium (cat# 72400120, Gibco-ThermoFischer) supplemented with 10% fetal bovine serum (FBS, cat# 100-106, Gemini) and 1% penicillin/streptomycin solution (cat# 15140122, Gibco-ThermoFischer) (from here on referred to as culture medium). Whole aortas or digested aortic cells were cultured in culture medium for further stimulation as described in the next paragraphs.

Chemicals

Octanal (cat# O5608), citral (cat# C83007), and dimethylsulfoxide (DMSO cat# D2650) were purchased from Sigma-Aldrich. All chemicals used were of analytical grade or the highest grade available. Citral and octanal were diluted in PBS/DMSO respectively at a stock concentration of 10mM. Lipopolysaccharide (LPS) was purchased from Invivogen (cat# tlr1-3pelps).

OxLDL was produced in house following a previously established protocol (36). Briefly, human LDL (1 mg/ml cat# 20P-L101, Academy Bio-Medical Company, Inc.) was oxidized by incubation in 10 µmol/L CuSO₄/PBS for 24h at 37°C. Oxidation was stopped by addition of EDTA (cat#15575-038, Invitrogen) at the final concentration of 1 mM.

Olf2 functional *ex vivo* analysis experimental procedures

Apoe^{-/-} mice were fed WD for 2 weeks before sacrifice for culturing aortic explants. Whole aortas were incubated in culture medium with DMSO (1:1000 as a vehicle), octanal (Oct, 10µM), LPS (500 ng/ml) alone or octanal and LPS combined (LPS+Oct) for 12h at 37°C and 5% CO₂. Subsequently, aortas were collected and further processed for RNA extraction or digested as described above for flow cytometric analysis. Culture supernatants were collected, aliquoted, and frozen at -80°C until further analysis.

Bone marrow cell isolation and generation of BMDM

Mouse bone marrow from C57BL/6j (wt), *Olf2*^{-/-}, *Nlrp3*^{-/-}, and *Adcy3*^{+/-} was isolated from femora and tibiae flushed with 5 ml ice cold RPMI-1640 medium. Bone marrow cells were passed through a 70 µm cell strainer (BioPioneer) and resuspended at 1.5×10⁶ cells/ml in culture medium supplemented with 20 ng/ml of mouse recombinant macrophage-colony stimulating factor (M-CSF; cat# 315-02, Peprotech). Cells were cultured at 37 °C and 5% CO₂ in a 3.8 cm² dish (Thermo Fischer). After 3 days, 2 ml of fresh medium were added. On day 7, floating cells were discarded and adherent cells used for further studies.

Human monocyte-derived macrophages (hMDM)

Peripheral blood mononuclear cells (PBMCs) were isolated from EDTA-venous blood of healthy donors (25-50 years old) from the La Jolla Institute for Immunology in-house Normal Blood Donor Program (NBDP), using a Ficoll-Paque (GE Healthcare) standard separation protocol. Informed signed consent was obtained from all the donors. All experiments were carried out in accordance with the approved guidelines of the La Jolla Institute for Immunology NBDP. Human monocytes were enriched from PBMCs by the EasySep™ Human Monocyte Enrichment Kit (cat#19058, StemCell) according to the manufacturer's instructions. Enriched monocytes were resuspended at 1×10^6 cells/ml with culture medium supplemented with 50 ng/ml rhM-CSF (cat#300-25, Peprotech) at 37 °C and 5% CO₂ for 7 days. Differentiated macrophages at day 7 were used for further studies.

Quantitative Real Time PCR

BMDM and hMDM (0.5×10^6 cells) were incubated in culture media for 12 h at 37 °C and 5% CO₂ with DMSO (1:1000) as a control, octanal, (Oct, 10 μM), LPS (500 ng/ml) alone or combined (LPS+ Oct) and lysed with 500 μL Qiazol (cat# 79306, Qiagen). Similarly, whole aortas freshly harvested or incubated as previously described were transferred into 500 μL Qiazol and dissociated with the gentleMACS™ Dissociator (Miltenyi). RNA extraction was performed using a Qiazol/RNAeasy micro kit hybrid protocol (cat# 74004, Qiagen). Total RNA was quantified using a nanodrop spectrophotometer (PepLab) and 500 ng were reverse transcribed into cDNA using Omniscript reverse transcriptase (cat# 205111, Qiagen). Real time PCR reactions were performed according to the RT² SYBR green gene expression assay protocol (cat# 330501 Qiagen). RT² SYBR Green qPCR master mix and premade RT² qPCR Primer Assays (Qiagen) for mouse *Olf2* (cat# PPM34712A-200), *Rtp1* (cat# PPM33215A-200), *Rtp2* (cat# PPM28610A-200), *Ccl4* (cat# PPM02948F-200), *Tnf* (cat# PPM03113G-200), *Adcy3* (cat# PPM29857B-200), *Cnga1* (cat# PPM06961B-200), *Cnga2* (cat# PPM06967A-200), *Cnga3* (cat# PPM06966A-200), *Cnga4* (cat# PPM30463A-200), *Cngb1* (cat# PPM06962A-200), *Gnal* (cat# PPM30928B-200), *Fcgr1* (cat# PPM04014A-200) and *Gapdh* (cat# PPM02946E-200) were used. Similarly, real time PCR analysis of hMDM samples was performed following the RT² SYBR green gene expression assay protocol (Qiagen), applying RT² SYBR Green qPCR master mix and premade RT² qPCR Primer Assays for human *OR6A2* (cat# PPH60491A-200), *ADCY3* (cat# PPH02837A-200), *CNGA1* (cat# PPH06876A-200), *CNGA2* (cat# PPH21479A-200), *CNGA3* (cat# PPH06891B-200), *CNGA4* (cat# PPH20364A-200), *CNGB1* (cat# PPH06958B-200), *GNAL* (cat # PPH02810A-200), *TNF* (cat# PPH00341F-200), *IL6* (cat# PPH00560C-200), *NOS2* (cat# PPH00173F-200) and *GAPDH* (cat# PPH00150F-200). The results were calculated applying the $2^{-\Delta\Delta CT}$ method using *Gapdh/GAPDH* as housekeeping gene.

Flow cytometric analysis and sorting

BMDM, hMDM, mouse blood leukocytes and whole mount aortas were left untreated or incubated in culture medium with octanal (10 μM), LPS, (500 ng/ml) alone or combined (LPS+Oct) for 12

h at 37°C and 5% CO₂. Freshly harvested, or incubated aortas were cut into small pieces and digested for cell suspension as described before. Aortic cell suspensions, BMDM, and hMDM were incubated for 1h with mouse or human Fc block solution (cat# 70-0161 Tonbo Biosciences; cat# 130-059-901, Miltenyi Biotec), respectively, and stained with primary antibodies detecting Olfr2 (1:500, cat# OSR00013W, Thermo Fischer) or OR6A2 (1:500, cat# SAB4503428-100UG, Sigma Aldrich) for 1h at RT. Normal rabbit IgG (1:500, cat# 12-370, Sigma Aldrich) incubated cells were used as a control. *Olfr2*^{-/-} aorta cell suspensions were used as a specificity control for the Olfr2 antibody. All cells were washed 3 times and incubated with an Alexa Fluor 488- or Alexa Fluor 647 conjugated goat anti-rabbit IgG secondary antibody (1:500, cat# A27034, and A27040, Thermo Fischer) for 30 min at RT. After 3 washing steps with PBS, BMDM were stained in the dark for 20 min at RT with LIVE/DEAD (LD) Yellow fixable dye (cat# L34959, Invitrogen) and F4/80-BV421 (clone BM8, Biolegend). Aortic cells were stained in the dark for 20 min at RT with a mixture of anti-mouse CD45-PerCP (clone 30-F11, Biolegend), CD11b-PECy7 (clone M1/70, Biolegend), CD11c-BV605 (clone N418, Biolegend), TCRβ-BV711 (clone H57-597, Biolegend), CD4-PE-AlexaFluor610 (clone GK1.5, Invitrogen), CD19-APCCy7 (clone 6D5, Biolegend), GR1-BV786 (clone RB6-8C5 BD Biosciences), F4/80-BV421 (clone BM8, Biolegend) antibodies and LD Yellow fixable dye. For aortic cell sorting a mixture of the following antibodies were used: LD FVS700 (cat# 564997, BD Biosciences), F4/80-BV421 (clone BM8, Biolegend), TCRβ-APCCy7 (clone H57-597, Biolegend), CD19-APCCy7 (clone 6D5, Biolegend), CD31-PE (clone MEC-13.3, Biolegend), CD64-BV711 (clone X54-5/7.1, Biolegend). hMDM were stained in the dark for 20 min at RT with LD Yellow fixable dye and anti-human CD45-AF700 (clone HI30, BD Biosciences). Samples were analyzed with an LSR-II flow cytometer (BD Biosciences) and sorted using the BD FACSAria III (BD Biosciences). Data was acquired with the FACSDiva software (BD Biosciences) and analyzed with FlowJo software (Treestar Inc).

Immunofluorescence and whole mount aorta imaging

BMDM from *wt* or *Olfr2*^{-/-} mice and hMDM were cultured on μ-Slide 8 well glass bottom slides (cat# 80827, ibidi) and left untreated or treated as described above, fixed with 2% paraformaldehyde (PFA, cat#15710, Electron Microscopy Sciences) for 30 min at 37 °C and incubated with 5% BSA for 30 min at RT. BMDM and hMDM were then stained with Olfr2 (1:500, cat# OSR00013W, Thermo Fischer) and OR6A2 primary antibodies (1:500, cat# SAB4503428-100UG, Sigma Aldrich), respectively, for 1h RT in Fc blocking solution. Cells were then washed 5 times for 5 minutes with cold PBS and stained with secondary anti-rabbit IgG-AF488 (1:500, cat# A27039 Thermo Fischer) for 30 min at 4°C. Nuclear counterstaining with Hoechst (1:2500, cat# 94403, Sigma) was performed for 10 min, cells were washed 5 times, and imaged with a ZEISS LSM880 confocal scanning microscope. Image acquisition settings were adjusted with unstained sample, and isotypes controls and kept throughout the experiment.

For whole mount imaging, aortae from *ApoE*^{-/-} mice fed WD for 2 weeks, were carefully cleaned *in situ* and fixed in 2 % PFA at 4 °C for 24h, washed with PBS and transferred to 5 ml incubation buffer [2% FBS, 0.5% saponin (cat#47036, Sigma Aldrich), 0.1 % sodium azide (cat# S2002,

Sigma Aldrich)] containing Olfr2 primary antibody (1:1000) and agitated for 24 h at 37°C. Aortas were then washed 5 times with PBS and stained in 5 ml incubation buffer containing secondary anti-rabbit IgG-AF555 (1:500, cat# A27039 Thermo Fischer), anti-mouse CD68-AF647 (1:200, clone FA-11, Biolegend) and Hoechst (1:10000) for 24h at 37°C with agitation. Stained aortas were washed with PBS, opened longitudinally, mounted between glass slides, and imaged from the adventitial side with a ZEISS LSM880 confocal scanning microscope. Image acquisition settings were set with control samples (unstained samples, CD68-AF647 FMO, and secondary anti-rabbit IgG-AF555 FMO) and maintained throughout the experiment. Image and scan processing were performed with ZEN microscope software (Zeiss) and Imaris analysis software (Bitplane). For Olfr2, CD68, co-expression analysis nuclei were segmented using the Hoechst channel. Cell boundaries were defined by expanding the nuclei outwards by 3 µm without allowing overlap, and the intensities in the Hoechst, Olfr2, and CD68 channels were measured in those volumes. To account for the attenuation of signal with depth in the tissue, the intensities of Olfr2 and CD68 were normalized to that of Hoechst for each cell. Positive and negative populations for both channels were separated with manually determined thresholds, validated using controls FMO (1/1432 cells and 1/1098 cells were positive in the Olfr2 and CD68 FMO controls, respectively). For whole mount imaging, aortae from *Olfr2^{GFP}* and wt mice were carefully cleaned *in situ* and fixed in 2 % PFA at 4 °C for 24 h, washed with PBS and transferred to 5 ml incubation buffer [2% FBS, 0.5% saponin (cat#47036, Sigma Aldrich), 0.1 % sodium azide (cat# S2002, Sigma Aldrich)] containing CD68 primary antibody (1:200 cat# ab125212, Abcam), and anti-GFP AF488 (1:100 clone FM264G, Biolegend) and agitated for 24h at 37°C. Aortas were then washed 5 times with PBS and stained in 5 ml incubation buffer containing secondary anti-rabbit IgG-AF598 (1:500, cat# A32740 Thermo Fischer), and Hoechst (1:10000) for 24 h at 37 °C with agitation. Stained aortas were washed with PBS, opened longitudinally, mounted between glass slides, and imaged from the adventitial side with a ZEISS LSM880 confocal scanning microscope. Image acquisition settings were set with control samples (wt samples, and secondary anti-rabbit IgG-AF598 control) and maintained throughout the experiment. Image and scan processing were performed with ZEN microscope software (Zeiss) and Imaris analysis software (Bitplane). Mouse aortic root sections of chimeric *wt Ldlr^{-/-}* and *Olfr2^{-/-} Ldlr^{-/-}* mice prepared as described in a later section or human aorta obtained from a surgical specimen, cut into transversal blocks and sectioned (10 µm per section), were air dried for 30 min then fixed in 4% PFA for 10 min. The slides were then washed 2 times in PBS-T wash buffer, consisting of 0.1% Tween 20 (Thermo Fisher Scientific, cat# BP337-100) in phosphate buffered saline (Sigma, cat#P3813). The slides were then placed on a 3D-printed Freequenza Rack (<https://3dprint.nih.gov/discover/3dpx-012172>) using Shandon Plastic Coverplates (ThermoFisher Scientific, cat#72110017) avoiding air bubbles. Blocking buffer (10% normal goat serum, 5% bovine serum albumin and 0.5% Tween 20 in PBS) was added to each slide and incubated for 1h at room temperature. The primary antibody for Olfr2 or OR6A2 was then applied (1:500, cat# OSR00013W, Thermo Fischer, or 1:500, and cat# SAB4503428-100UG, Sigma Aldrich) and anti-mouse CD68-AF647 (1:400, clone FA-11, Biolegend), or anti-human CD68 (1: 400 clone KP1, Biolegend) and incubated overnight at 4°C.

After incubation, slides were then washed 4 times with 1 ml wash buffer. The primary antibodies were then detected by applying either anti-rabbit Alexa Fluor 555 (1:500, cat# A27040 Thermo Fisher) for mouse sections and anti-rabbit Alexa Fluor 647 (1:500, Cat # A32728 Thermo Fisher) or anti-mouse IgG1 Alexa Fluor 568 (1:500, Cat # A-11004 Thermo Fisher) for human sections, incubated for 1h at room temperature. The slides were then washed 4 times with PBS followed by counterstaining with Hoechst (Thermo Fisher Scientific, #H3570), 1:2000 in PBS for 5min and then washed 3 times with PBS, and coverslipped using ProLong Gold Antifade Mountant (Thermo Fisher Scientific, #P36930). All the slides were allowed to dry for 24h before imaging. Stained slides were imaged with a ZEISS LSM880 confocal scanning microscope. Image and scan processing were performed with ZEN microscope software (Zeiss).

Calcium signaling

BMDMs, hMDMs and aortic cell suspensions were obtained as above described. Aortic cell suspensions (at least 1×10^6 cells per sample) were pre-incubated with or without LPS (100ng/ml) for 1h and then washed and incubated for 20 min in Fc-block solution (10 μ g/ml, eBioscience) and further incubated with extracellular markers for vascular macrophages detection including CD45-PerCP (clone 30-F11, Biolegend), TCR β /CD19-APCCy7 (clones H57-597, and 6D5, respectively, Biolegend. Dump Channel), F4/80-BV421 (clone BM8, Biolegend) and LD yellow fixable dye (Cat# L34967, Invitrogen) 20 min at RT in the dark. BMDMs from different genetic background and hMDM were seeded at the concentration of 1×10^6 per sample pretreated with LPS (100ng/ml) for 1h and stained with CD45-PerCP (clone 2D1, Biolegend) and LD yellow fixable dye 20 min at RT in the dark. CNG channels were blocked by treating BMDMs with LCD (100 μ M, cat# ab120532 Abcam) for 1h before staining. BMDMs, hMDMs, and aortic cell suspensions were washed twice with PBS and loaded with 2 μ M of Fluo4 dye (cat# F14201, Thermo Fischer) for 30 min at 37 °C. Subsequently, cells were washed and resuspended in 37°C warm HBSS buffer (Gibco) containing Ca²⁺ and Mg²⁺ and acquired with the LSRII flow cytometer (BD Biosciences). Fluo4 signal was detected in the FITC channel. After 60 seconds, octanal (Oct, 10 μ M), citral (Cit, 100 μ M), vehicle (DMSO 1:1000), oxLDL(25, 50, 75 μ g/ml) or ionomycin (1 μ M, Cat # inh-ion, Invivogen) as positive control (**Fig. S9D**) was added and acquisition continued for additional 140 seconds. Data was acquired with FACS Diva software (BD Biosciences) and analyzed with FlowJo software (Treestar Inc). Mean fluorescence intensity of Fluo4 was integrated over 25 seconds from the start of the acquisition (tot. 8 intervals).

cAMP production assay

For cAMP analysis, cAMP-Glo™ Assay (cat# V1501Promega) was used following the manufacturer's protocol. Briefly, BMDMs from *wt* or *Adcy3*^{+/-} mice were seeded at 1×10^5 /ml in 96-well plates. After overnight incubation at 37 °C and 5% CO₂, the medium was replaced and cells were stimulated with 50 ng/ml LPS for 4 h. LPS pretreated cells were further incubated with octanal (Oct, 10 μ M) (LPS+Oct) or untreated (DMSO 1:1000) for further 8h. After incubation supernatant was eliminated and cells lysed using the cAMP glow lysis buffer. The lysate was used

to measure the cAMP production by a luciferase reaction detected using a Spectramax 2213 spectrophotometer (Molecular Devices).

ROS detection assay

Mouse BMDMs from wt and *Olfir2^{-/-}* mice were seeded at 1×10^5 /ml in 96-well plates. After overnight incubation at 37°C and 5% CO₂, the medium was replaced and cells were stimulated or not with 50 ng/ml LPS for 4h. LPS pretreated and untreated cells were further incubated with octanal (Oct, 10 μM) for further 8h. After incubation culture medium was discarded from each well and replaced with 100μL prewarmed 37°C RPMI-1640 without phenol red implemented with 5μM MitoSoxTM Red reagent (cat # M36008, Thermo Fisher), an indicator of mitochondrial superoxide, and incubated for 30 min at 37°C; or with 10 μM dihydrorhodamine (DHR) 123 (cat # D23806 Thermo Fisher), which is a fluorescent indicator of cytosolic ROS, and incubated for 50 min at 37°C. After incubation, cells were washed and analyzed at manufacturer defined excitation and emission wavelengths using a Spectramax 2213 spectrophotometer (Molecular Devices). Data are shown as percentage of relative fluorescence intensity variation versus fluorescence intensity of LPS only samples (shown as dotted line in the graph).

RNAseq analysis

For bulk RNA-seq, BMDMs from wt mice (n=3) were treated or untreated with LPS (50 ng/ml) or octanal (10 μM) for 6h. After incubation cells were washed with PBS and subsequently lysed in Qiazol (500 μL) for RNA purification, applying a Qiazol/RNAeasy micro kit hybrid protocol. RNA quality was measured by using 2100 TapeStation (Agilent Technologies). Samples with high-quality RNA (RNA integrity number >8.0) were used for the next steps. Double-stranded (ds)-cDNA was prepared using the SuperScript II reverse transcriptase (cat # 18064014 Thermo Fisher) according to the manufacturer's instructions. cDNA was amplified using 15 cycles and eluted in 24 μL. 100ng of resulting cDNA was processed using the Illumina DNA Prep Kit (Cat# 20018704, Illumina) following manufacturer's instructions. Samples were pooled into and loaded onto an Illumina NovaSeq 6000, and sequenced with 50 base pair paired-end reads (PR50). Transcriptomes were mapped to the Ensemble mouse genome release 39 with annotation release 103. Post-mapping quality control checks were used to exclude poor quality samples. DE genes and volcano plot were generated using the R studio packages DEseq2 and GGPLOT2. Enrichment pathway analysis was done by Metascape online software.

IL-1 production and LDH assay

Mouse BMDMs and human MDMs were seeded at 5×10^5 /ml in 96-well plates. After overnight incubation at 37°C and 5% CO₂, the medium was replaced and cells were stimulated with 50 ng/ml LPS for 4h. LPS pretreated and untreated cells were further incubated with octanal (Oct, 10 μM) and citral (Cit, 100 μM) alone (LPS+Oct; LPS+Cit; respectively) or combined (LPS+Oct+Cit) for further 8 h. Supernatants were collected by centrifugation at 500 x g for 5 min at 4°C, and frozen at -80°C until further analysis by cytokine bead arrays (CBA, BD Biosciences). For

pharmacologic inhibition, BMDMs or HMDMs were stimulated with LPS for 4h, the medium was removed and replaced with RPMI 1640 media containing DMSO (1:1000), or LCD (100 μ M for 1h) or MCC950 (10 μ M, 1h; cat# inh-mcc, Invivogen) or VX-765 (50 μ M, 1h; cat# inh-vx765i-1, Invivogen), or Ouabain (50 μ M, 30min; cat#PHR1690-1G, Sigma), or BAPTA-AM (10 μ M, 30min; cat# B6769, Invitrogen). Cells were then stimulated with: 5 mM adenosine 5'-triphosphate disodium salt hydrate (ATP, 5 mM; cat# tlrl-atpl, Invivogen) as positive control (not shown) or with octanal (Oct, 10 μ M) (LPS+Oct) for further 8h. Supernatants were collected by centrifugation at 500 x g for 5 min at 4 °C, collected and frozen at -80 °C until further IL-1 β analysis by CBA (BD Biosciences). LDH release was measured using the CyQUANT™ LDH Cytotoxicity Assay (cat# C20300 Thermo Fischer) following the manufacturer's protocol. Absorbance was measured at 490 nm and 680 nm using a Spectramax 2213 spectrophotometer (Molecular Devices).

OR6A2 silencing in hMDM

Human MDM cells (2×10^6) were resuspended in 100 μ L RT Nucleofector® Solution A mixture (Amaxa® Cell Line Nucleofector® Kit V; cat# VVCA-1003, Lonza) containing 5 pmol non-silencing siRNA duplex (siCtrl, silencer negative control, Cat# 4390843, Thermo Fischer) or silencing siRNA targeted against the *OR6A2* gene respectively (*OR6A2* assay ID 148343, Thermo Fischer). The suspension was transferred to an aluminum electroporation cuvette (Lonza) and pulsed in a Nucleofector 2b Device (Lonza) using the preset BMDM program. After electroporation, cells were transferred to RPMI-1640 medium supplemented with 20% of FBS, 100 U/ml penicillin and 100 U/ml streptomycin, and 50 ng/ml hMCSF (Peprotech) and cultured at 37°C and 5% CO₂ for 48h. Cell viability was determined by a trypan blue exclusion assay. Silenced cells were then used for the IL-1 β secretion assay as described above or treated for gene expression analysis. Briefly, *OR6A2* silenced hMDM were suspended in culture medium and treated with octanal, (Oct, 10 μ M), LPS (500 ng/ml) alone or combined (LPS+ Oct), and DMSO (1:1000) as a control for 12h at 37°C and 5% CO₂. After incubation, cells were subsequently lysed in Qiazol (500 μ L) for RNA purification, applying a Qiazol/RNAeasy micro kit hybrid protocol. *OR6A2*, *TNF*, *IL6*, and *NOS2* expression levels were analyzed by qRT-PCR as described above. The results were calculated applying the $2^{-\Delta\Delta CT}$ method *GAPDH* was used as a housekeeping gene.

Secreted cytokines

Supernatants of stimulated cells and aortic tissue were analyzed by BD CBA Flex Sets (BD Biosciences) for mouse TNF (cat# 558299), CCL4 (cat# 558343), IL-1 β (cat# 560232), IL-1 α (cat# 560157) or human TNF (cat# 558273), IL-6 (cat# 558276), IL-1 β (cat# 558279), and IL-1 α (cat# 560153) according to the manufacturer's protocol. Samples were analyzed with FACS Canto II (BD Biosciences). Data was acquired with FACSDiva software (BD Biosciences) and analyzed with FCAP array software 2.0 (BD Biosciences).

Octanal and citral treatment in *Apoe*^{-/-} mice.

Male *Apoe*^{-/-} mice (8 to 10 wks old) were fed WD for 4 weeks. Octanal or citral solution in DMSO was further diluted in sterile phosphate buffered saline (PBS) (Gibco) at 10 μ g/g body weight. 100

µl were injected intraperitoneally (i.p.) every 3 days for 4 wks (12 injections total) while maintaining WD administration. 100 µl of PBS + 1:1000 DMSO (Sigma Aldrich) was injected as a vehicle control. Mice were sacrificed, perfused with PBS supplemented with 2% heparin (cat# C504710, Fresenius Kabi USA, LLC), aortas and hearts were dissected for en face staining and roots atherosclerotic lesion assessment, respectively. Mouse whole blood was collected in EDTA tubes via cardiac puncture. Blood leukocyte counts were determined by HemaVet 950 (Drew Scientific). Plasma was collected from blood centrifuged at 3000 x g for 15 min at 4°C and stored at -80°C until further analysis.

Bone marrow transplantation

Ten-week-old *Ldlr*^{-/-} sex-matched mice were irradiated twice 2-4h apart with 550 rads X-ray irradiation to induce systemic medullar aplasia. Irradiated mice were repopulated intravenously via the tail vein or retroorbital injection with bone marrow cells (5×10^6 cells) isolated from 8-week-old *wt*, *Rtp1/2*^{2ko}, or *Olf1/2*^{-/-} mice. BMTed mice per cages were randomized to avoid possible housing bias. After a 2-week recovery period, mice were fed a high cholesterol diet (HCD, D12108C, Research Diets Inc.) for additional 12 wks. For octanal in vivo injection experiments, mice after 8 wks HCD were injected intraperitoneally (i.p.) with octanal (10 µg/g body weight) or vehicle (PBS+1:1000 DMSO) every 3 days for 4 weeks (12 injections total) while maintaining HCD administration.

At the end of the 12 wks HCD mice were sacrificed, perfused with PBS supplemented with 2% heparin (Fresenius Kabi USA, LLC). Aortas and hearts were dissected for *en face* and roots atherosclerotic lesion assessment, respectively. Blood was collected in EDTA tubes by cardiac heart puncture. Blood leukocyte counts were determined by HemaVet 950 (Drew Scientific). Plasma was collected from blood centrifuged at 3000 x g for 15 min at 4 °C and stored -80 °C until further analysis.

Atherosclerosis quantification in whole aortas

After explant, each aorta was incubated with 4% PFA for at least 24h at 4°C and pinned out. Atherosclerotic plaques were stained by Sudan IV. Microphotographs of the luminal (endothelial) aspect of the aortic surface were analyzed using Photoshop CS (Adobe Systems).

Atherosclerotic lesion size measurement was performed by blinded investigators using Image-Pro Premier software (Media Cybernetics) or QuPath (v0.2.3). Aortas with insufficient quality (extensive tissue damage) were excluded from further analysis. Possible outliers were assessed by ROUT test with Q= 1%.

Atherosclerosis quantification and plaque characterization in aortic roots

The aortic roots along with the basal portion of the heart were embedded in OCT compound (cat#4585 Fischer Healthcare) and were cut in 8 µm-thick serial sections beginning from the onset of the aortic valves. Serial sections were stained with Oil-red O and analyzed with a ZEISS AxioScan Z1 microscope (Carl Zeiss Microscopy). A hematoxylin and eosin (H&E) and

picrosirius red (PSR) staining was applied to visualize necrotic core and collagen content respectively in atherosclerotic lesions and analyzed with a ZEISS AxioScan Z1 microscope (Carl Zeiss Microscopy). Polarized light micrographs were collected on Nikon Eclipse TE2000-s inverted microscope equipped with Leica DFC450 RGB camera. In addition, immunostaining was performed on the aortic root for expression of CD68 (1:400 clone FA-11, cat# MCA1957 Biorad) and α SMA polyclonal antibody (1:400 cat# ab5694, Abcam) followed by a goat anti-rabbit IgG (H+L) conjugated with Alexa Fluor 647 (1:500, cat# A27040 Thermo Fisher). Hoechst (1:10000) was used to stain nuclei. Quantification of lesions size, necrotic core, collagen content and CD68/ α SMA⁺ cell count was assessed by blinded scientist using the open access QuPath v0.2.3 software (<https://qupath.github.io/>) for manual and automatic lesion detection. Samples having tissue sections with insufficient quality were excluded from further analysis. Possible outliers were assessed by ROUT test with Q= 1%.

Plasma Lipid Analysis

Performed by IDEXX BioResearch (6290-Lipid Panel Rodent).

Human aortic tissue

The human aortic specimen was surgically removed from a 64 years old female to repair an aneurysm of the ascending aorta extending from the sinotubular junction to the left arteria subclavia. The patient was a smoker and had known hypercholesterolemia, but was not on statins prior to the repair. Informed signed consent was obtained from the donor. The study was reviewed and approved by the Ethics Committee of the University of Cologne (Germany). Harvested aortic tissue was cut into longitudinal strips and fixed with Zinc formalin solution (Cat# Z2902-3.75L, Sigma-Aldrich). The specimen was then divided in blocks. Whole wall thickness sections (10 μ m thick) were cut transversally and stained for OR6A2 and CD68 as described.

Human atherosclerotic plaques leukocyte composition

A deconvolution method (Cibersort, <https://cibersort.stanford.edu/>) was applied to enumerate the relative abundance of main leukocyte populations using the same cell signature as previously described (37), from a set of bulk mRNA expression dataset of human carotid plaques from the Biobank of Karolinska Endarterectomies (BiKE, GSE21545).

¹³C₁₈oleic acid gavage and aorta ex vivo experiment

¹³C₁₈oleic acid (cat. # 490431, Sigma Aldrich) at a total dose of 3 mg was administered by single gavage in wt male mice (n=5) 8/10 weeks of age. Blood plasma, collected retro-orbitally from all animals before gavage was used as baseline. After 24h from the gavage, mice were sac and the blood harvested by cardiac puncture. Plasma was collected as described before.

For the ex vivo experiment, Aorta (n=4 per group) were harvested from 30 weeks old *ApoE*^{-/-} mice and kept in 37°C warm completed media. Aorta were treated or untreated with 3mg/ml ¹³C₁₈oleic

acid for 12h. After incubation, aortae were washed with PBS and snap-frozen in liquid nitrogen for octanal detection analysis.

Octanal detection by mass spectrometry

For octanal analysis, 196 human blood plasma specimens from GeneBank at the Cleveland Clinic were used (<https://clinicaltrials.gov/ct2/show/NCT00590200>). Demographics and clinical characteristics are reported in Table S1. All participants from GeneBank gave written informed consent approved by the Cleveland Clinic Institutional Review Board. Mouse blood plasma was collected retro-orbitally from 8-10 weeks old *ApoE*^{-/-}, *Ldlr*^{-/-} and wt mice fed CD, WD, or HCD for 1 day and from germ-free mice or conventional wt mice. Plasma octanal was derivatized with 3-nitrophenylhydrazine in the presence of 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide (EDC) and detected by LC/MS/MS after injection onto a Titan™ C18 UHPLC Column (1.9 μm particle size, 10 cm × 2.1 mm, Supelco) with elution solvent generated by two pumps from solvent A, water + 0.01% formic acid, and B, acetonitrile + 0.01% formic acid. A typical ion extracted LC chromatogram of octanal derivative in positive MRM mode with a parent to daughter transition, m/z 264.2→119.1, was shown. ²H₁₆octanal (d₁₆-octanal) was spiked to plasma before derivatization reaction as internal standard and monitored in positive MRM mode with a parent to daughter transition, m/z 280.2→120.2. Serial dilutions of octanal were mixed with a fixed amount of ²H₁₆octanal followed by derivatization reaction were used to prepare a calibration curve. Plasma from mice after or before (baseline) gavage with ¹³C₁₈oleic acid was analyzed as described above. Structural formulae of octanal, ¹³C₈octanal and d₁₆-octanal derivatives after reaction with 3-nitrophenylhydrazine and their respective daughter ion formation during collision-induced dissociation is reported in **Fig. S12A**. A typical ion extracted LC chromatogram of ¹³C₈octanal derivative in positive MRM mode with a parent-to-daughter transition, m/z 272.2→120.1 was detected. Aorta and feces harvested from 30 weeks old *ApoE*^{-/-} mice and aorta from *ex vivo* ¹³C₁₈ oleic acid treatment were snap-frozen in liquid nitrogen. Before analysis tissue was weighed, homogenized, and treated as described for plasma. To calculate the concentration of octanal in the aorta we estimated the aorta homogenate density as ~1 g/ml and used to retrieve volume and calculate the octanal aortic concentration in μM.

Statistics

All statistics in this study were performed using Graphpad Prism 6.0 using One-way or Two-way ANOVA followed by Tukey's test for multiple comparisons. Where appropriate, statistical significance was tested with unpaired t-Test with Welch correction. The respective statistical tests are indicated in each figure legend. Data are presented as mean 4.12 ± 0.03 (SEM). P-values below 0.05 were considered significant.

2. Supplementary Material Figures

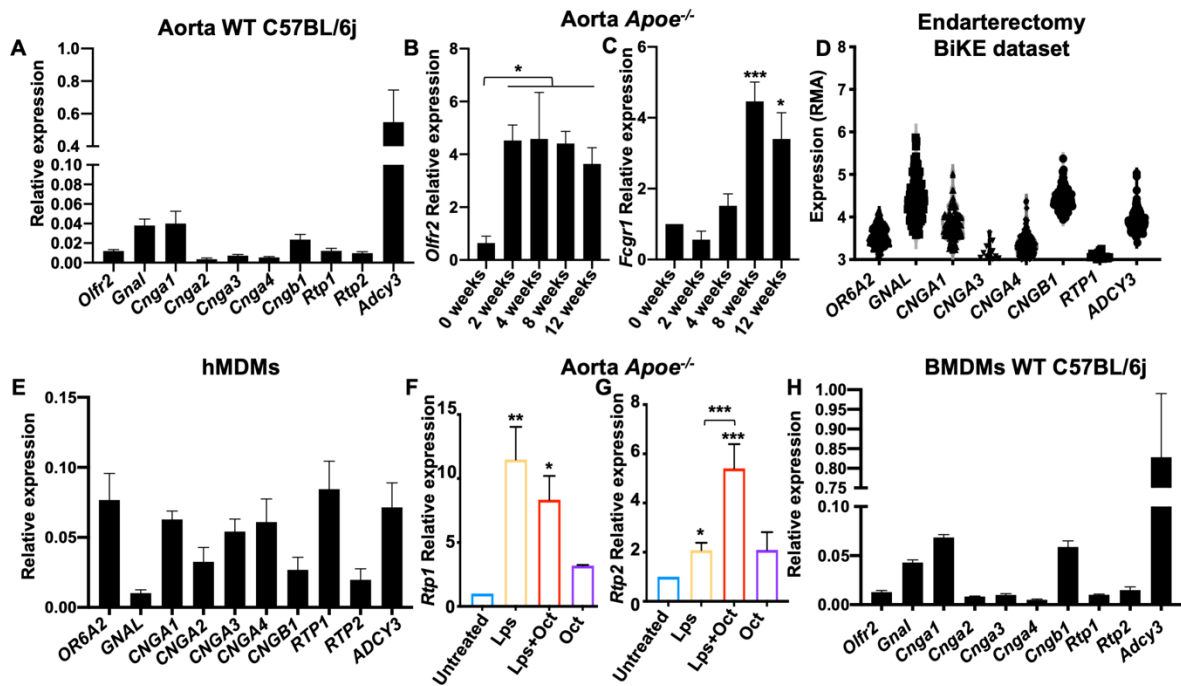


Fig. S1. *Olfr2* has known human orthologue *OR6A2* and associated genes are expressed in mouse macrophages and human plaques. **A)** Gene expression analysis of *Olfr2*, *Rtp1*, *Rtp2*, *Adcy3*, *Gnal*, *Cngal*, 2, 3, 4 and *Cngb1* on freshly harvested Aorta from C57BL/6j mice, Gene considered expressed with Ct < 33, all normalized to *Gapdh* expression. **B)** *Olfr2* and **C)** *Fcgr1* expression in aortas of *ApoE*^{-/-} mice set on WD for 2, 4, 8 and 12 weeks. *ApoE*^{-/-} mice on normal CD were used as control (0 weeks). Relative expression is calculated by the $2^{-\Delta\Delta Ct}$ method, normalized based on *Gapdh* expression. **D)** *OR6A2*, *GNAL*, *CNGA1*, *CNGA3*, *CNGA4*, *CNGB1*, *RTP1*, and *ADCY3* expression measured by Affymetrix gene array (BIKE dataset, GSE21545) expressed as RMA (log scale). **E)** Gene expression analysis of *OR6A2*, *RTP1*, *RTP2*, *ADCY3*, *GNAL*, *CNGA1*, 2, 3, 4 and *CNGB1* on hMDMs. Gene considered expressed with Ct < 33, all normalized to *GAPDH* expression. **F** and **G)** Whole aortas were left untreated (DMSO 1:1000) or incubated with octanal (Oct, 10 μ M), LPS, (500 ng/ml), or with both for 12h. *Rtp1* and *Rtp2* expression was assessed by RT-qPCR. Relative expression is calculated by the $2^{-\Delta\Delta Ct}$ method, normalized based on *Gapdh* expression. **H)** Gene expression analysis of *Olfr2*, *Rtp1*, *Rtp2*, *Adcy3*, *Gnal*, *Cngal*, 2, 3, 4 and *Cngb1* on BMDMs from C57BL/6j mice. Gene considered expressed with Ct < 33, all normalized to *Gapdh* expression. N= 3/5 Data are presented as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. p calculated by one-Way ANOVA followed by Tukey's multiple comparisons test for **B**, **C**, **F**, and **G**.

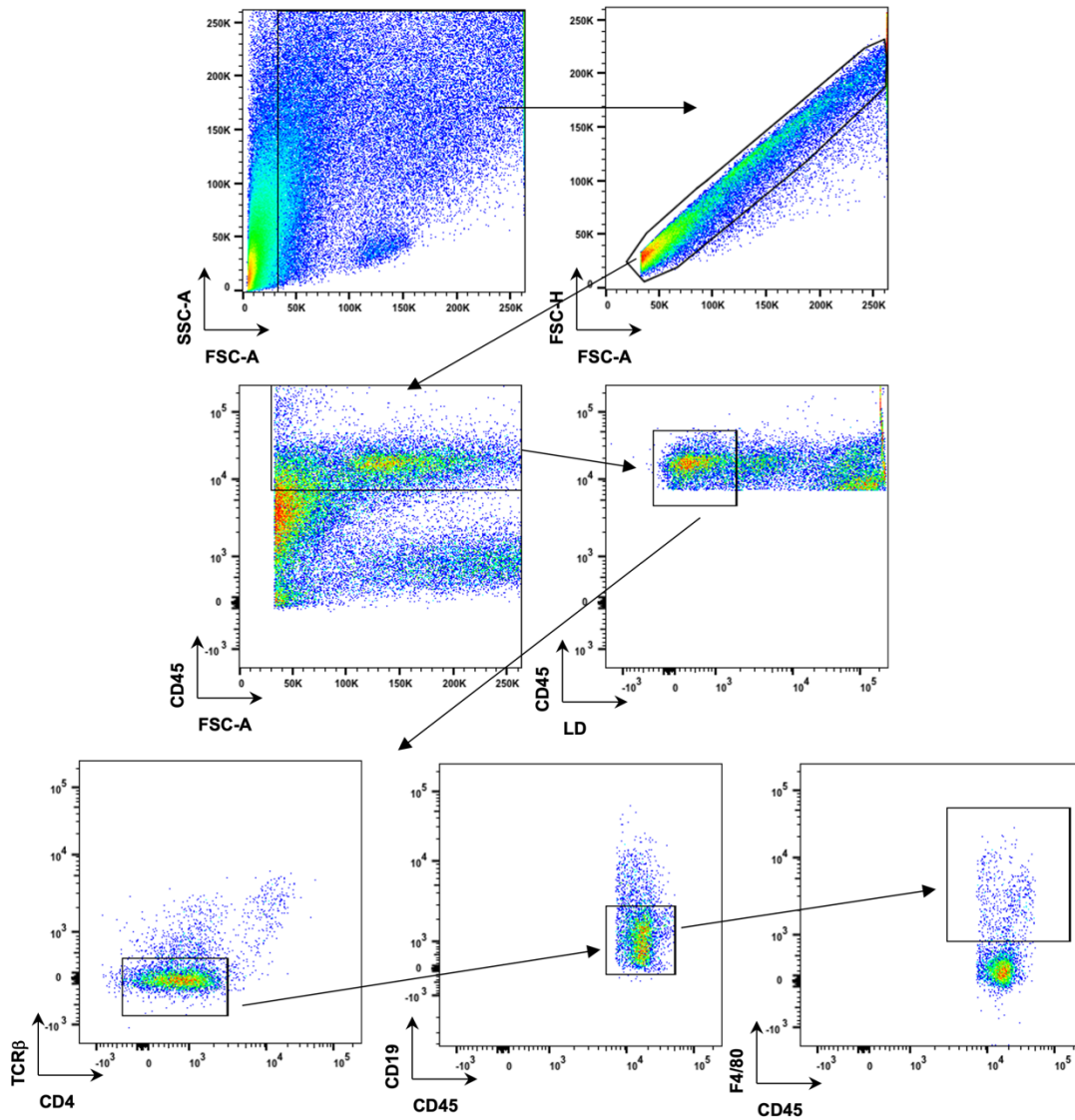


Fig. S2. Gating strategy for aortic vascular macrophages. Gating out debris (top left), then gate for singlets (top right), CD45⁺ live (middle row), TCR β ⁻CD4⁺CD19⁻ (bottom left) F4/80⁺ (bottom right). Pseudocolor dot plots.

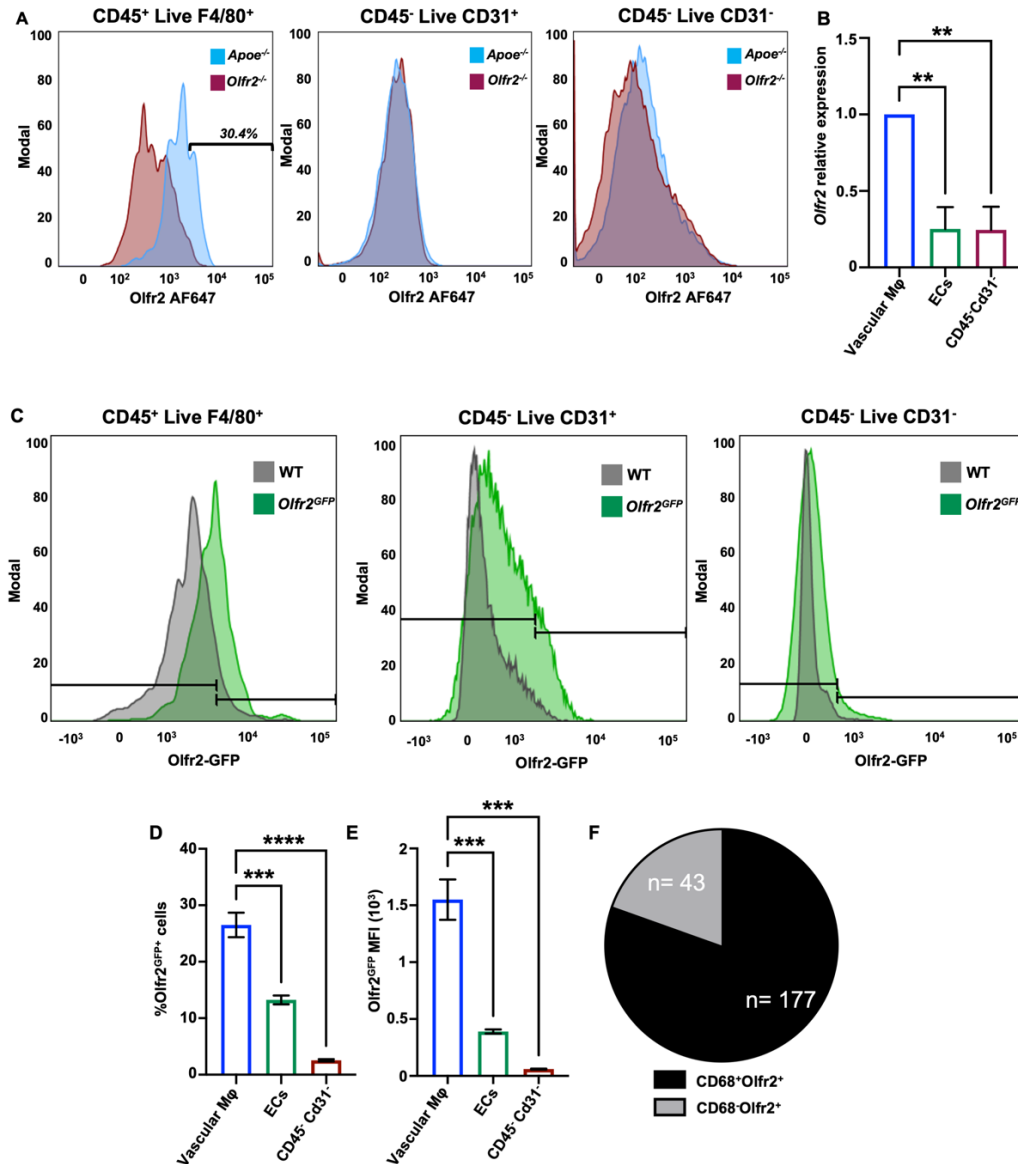


Fig. S3. *Olf2* expression in macrophages and non-macrophages cells. **A)** Flow cytometry on enzymatically dissociated aortas from atherosclerotic *Apoe*^{-/-} mice kept on WD for 2 weeks and *Olf2*^{-/-} mice reported as histogram, for vascular Mφ (CD45⁺, Live, TCRβ⁻, CD19⁻, F4/80⁺), ECs (CD45⁻, Live, CD31⁺) and other aortic cells (CD45⁻, Live, CD31⁻). Data are presented as representative of 1 out of 3 replicates. **B)** *Olf2* mRNA expression analysis on FACS sorted live vascular Mφ (CD45⁺, Live, TCRβ⁻, CD19⁻, F4/80⁺) CD45⁻ CD31⁺ endothelial cells (ECs), and CD45⁻ CD31⁻ cells including possible transdifferentiated SMCs from *Apoe*^{-/-} aorta from mice kept on WD for 2 weeks (n=4 per group). **C-E)** Flow cytometry on enzymatically dissociated aortas from *Olf2*^{GFP} and *wt* mice reported as **C)** histograms (presented as representative of 1 out of 3 replicates); **D)** % of *Olf2*^{GFP+} cells or **E)** *Olf2*^{GFP} MFI for vascular Mφ (CD45⁺, Live, TCRβ⁻, CD19⁻, F4/80⁺), ECs (CD45⁻, Live, CD31⁺) and other aortic cells (CD45⁻, Live, CD31⁻). MFI data reported have been subtracted from respective *wt* cells background. **F)** Co-expression analysis in aorta, shown as %. ± SEM. * *p* < 0.05, ** *p* < 0.01. *p* calculated by: One-Way ANOVA followed by Tukey's multiple comparisons test for **B, D, E**.

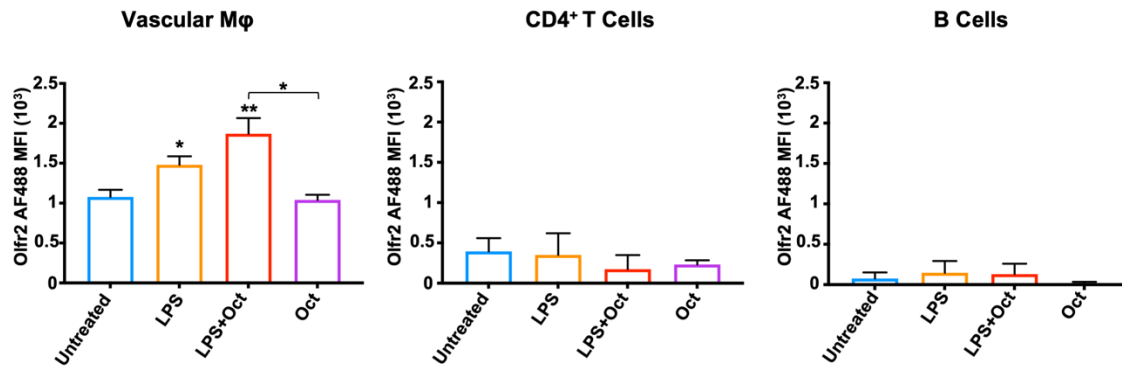


Fig. S4. Olf2 expression in other leukocytes. Whole aortas were left untreated (DMSO 1:1000) or incubated with octanal (Oct, 10 μ M), LPS, (500 ng/ml), or with both for 12 h. Aortas were digested and cells stained for Olf2 detection and analyzed by flow cytometry. Olf2 Median Fluorescence Intensity (MFI) of CD4⁺ T cells (CD45⁺, Live, TCR β ⁺, CD4⁺) and B cells (CD45⁺, Live, TCR β ⁻, CD19⁺) is reported (n=3-5 per group). \pm SEM. * $p < 0.05$, ** $p < 0.01$. p calculated by: One-Way ANOVA followed by Tukey's multiple comparisons test.

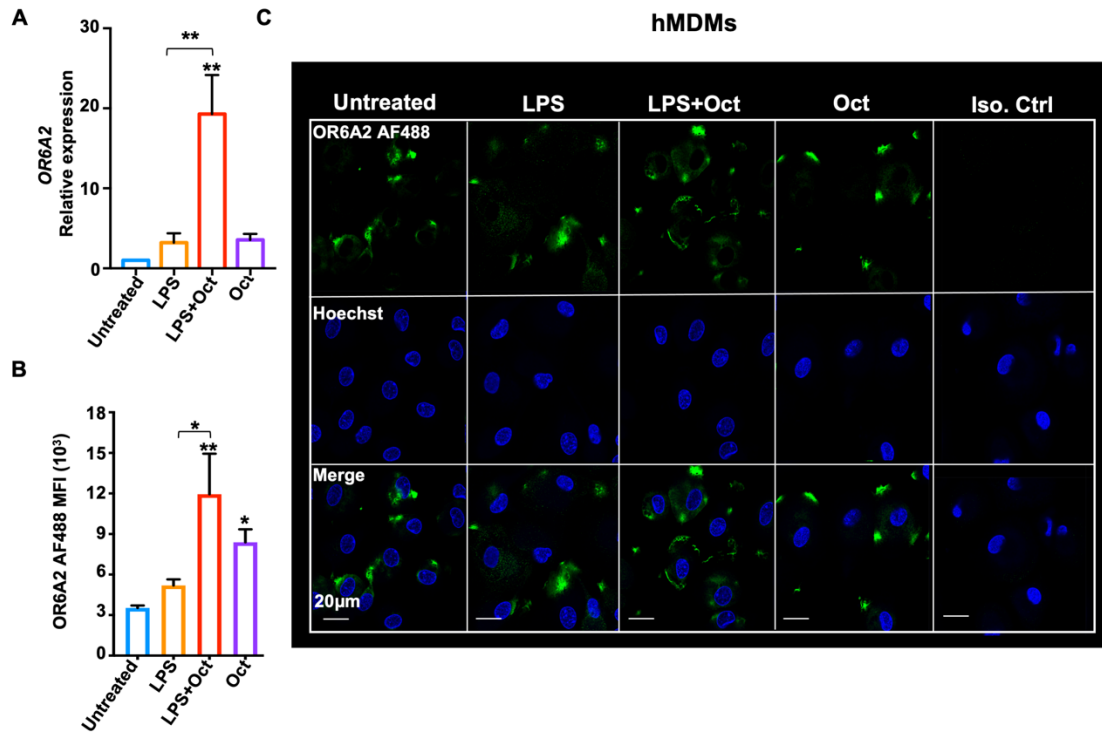


Fig. S5. OR6A2 expression in human monocyte-derived macrophages (hMDMs). **A)** Blood monocytes from healthy human donors were differentiated into macrophages (hMDMs) and incubated with octanal (Oct, 10 μ M), LPS (500 ng/ml), both or neither as indicated. RT qPCR analysis of *OR6A2* expression normalized to *GAPDH* and untreated control. **B)** Flow cytometric analysis of OR6A2 surface expression on live hMDMs reported as MFI \pm SEM. **C)** High resolution confocal microscopy of hMDM stained for OR6A2 (AF488, green) and Hoechst (nuclei, blue). Scale bars 20 μ m. Data are presented as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$. p calculated by One-Way ANOVA test, Tukey's multiple comparisons test.

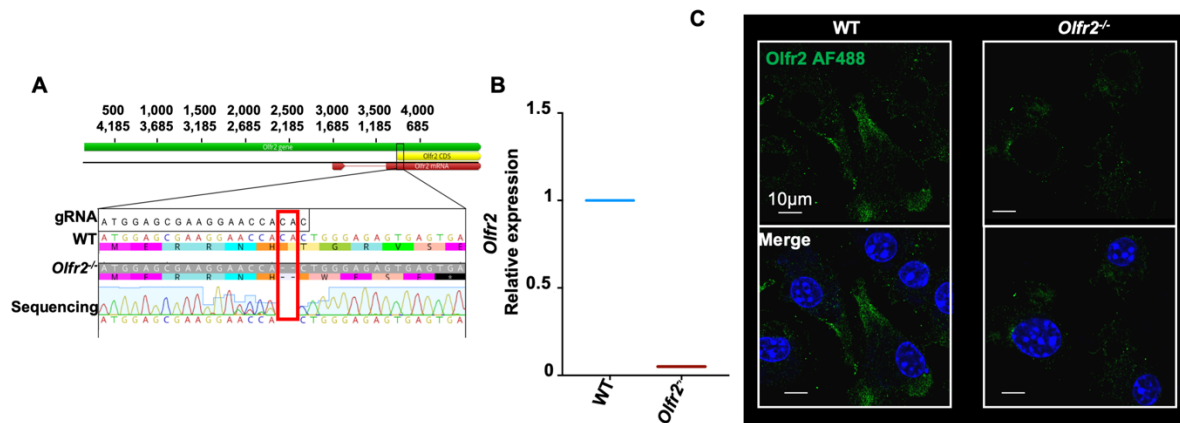


Fig. S6 *Olfir2*^{-/-} mouse generation. A) Targeting *Olfir2* by Crispr/Cas 9. Guide RNA (gRNA) sequence indicated. Numbers above green bar are indicating the gene base interval. *Olfir2*^{-/-} validation by B) RT qPCR from whole aortas, C) confocal microscopy visualizing *Olfir2* expression in wt or *Olfir2*^{-/-} derived BMDMs (AF488, green). Scale bars 10 µm.

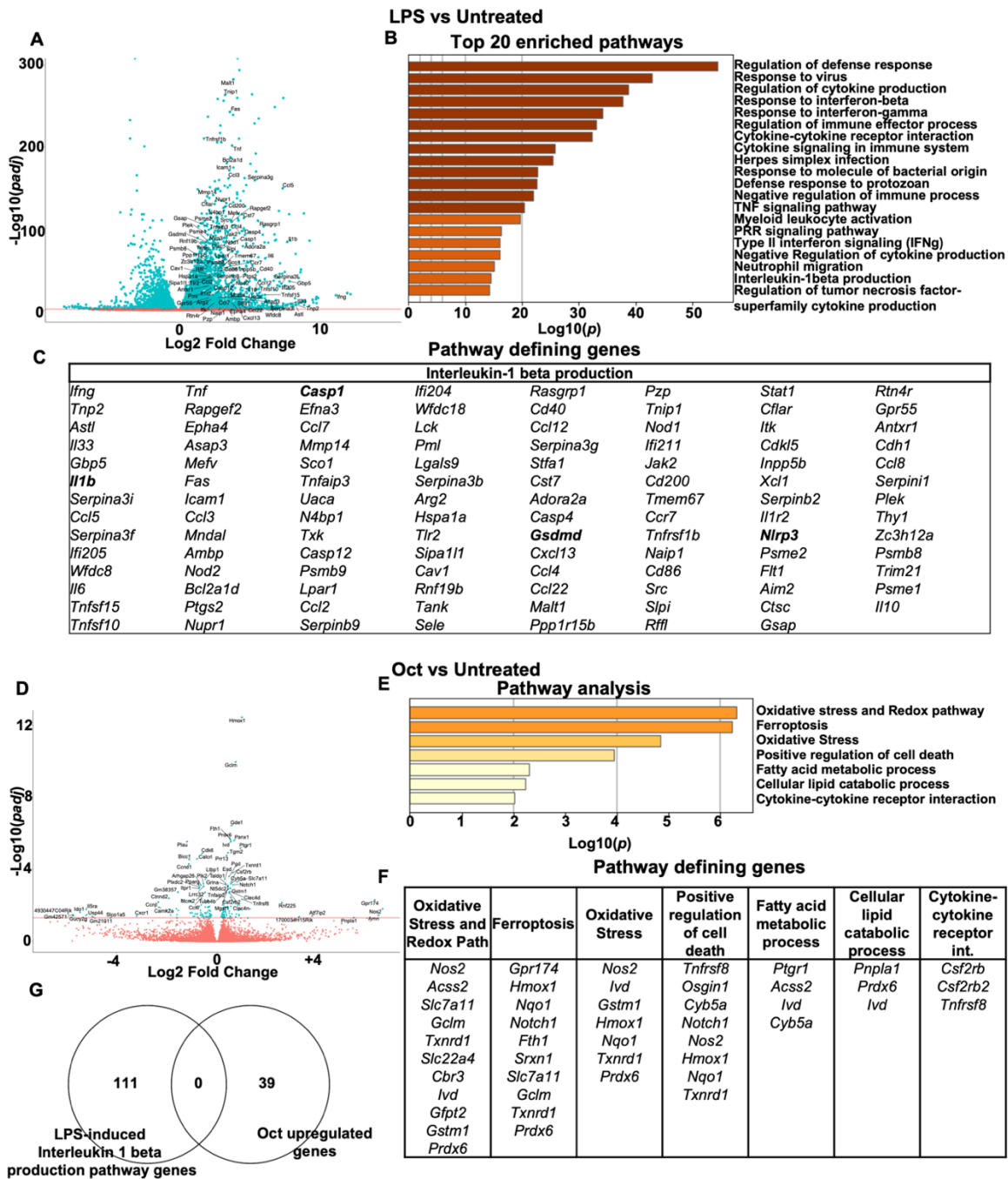


Fig. S7. Gene expression analysis. BMDMs were treated with LPS or octanal (Oct 10 μ M) or left untreated (DMSO 1:1000) for 6h. **A)** Volcano plot for LPS vs untreated. **B)** Top 20 enriched pathway modulated by LPS vs untreated upregulated genes ($\log_2FC > 2$) generated by Metascape. **C)** Interleukin-1 beta pathway defining genes are reported. **D)** Volcano plot for Oct vs untreated. **E)** Enriched pathway by Oct vs untreated upregulated genes ($\log_2FC > 0.5$) generated by Metascape. **F)** All pathway defining genes are reported ($\log_{10} p$ value > 2). **G)** Venn diagram of LPS induced Interleukin-1 beta production pathway genes vs Oct upregulated genes ($\log_2FC > 0.5$). See **Table S3 and S4** for full DE genes (False Discovery Rate [FDR] < 0.05).

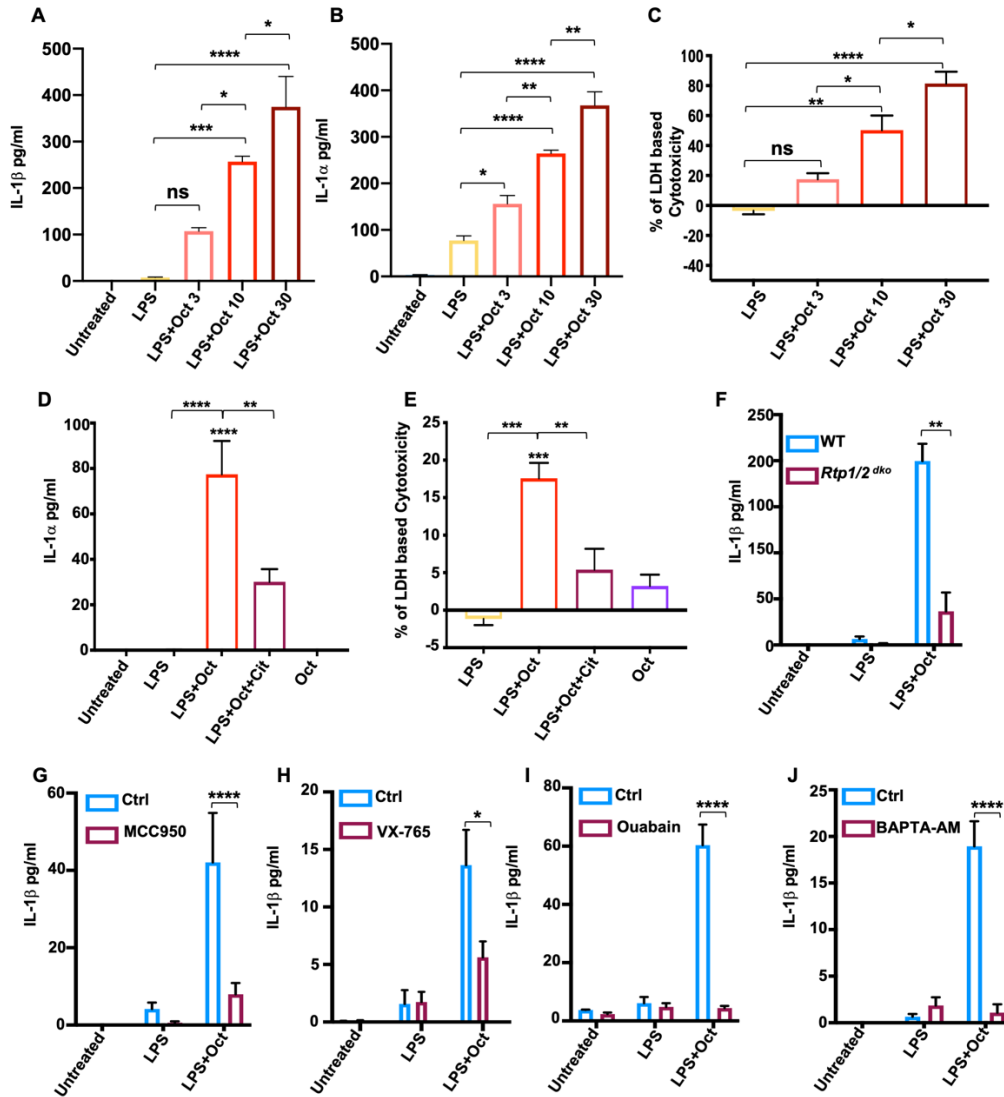


Fig. S8. Octanal activates the inflammasome and induces LDH release in a dose-dependent manner. (A-C) Octanal (Oct) dose response analysis on BMDMs. BMDMs were primed with LPS for 4h and treated with octanal (Oct, 3, 10, and 30 μ M) for 8h. Supernatant was harvested and analyzed for A) IL-1 β , B) IL-1 α secretion and C) LDH release (cytotoxicity assay). N=3 per group. D) IL-1 α analysis of supernatant and E) LDH cytotoxicity assay from BMDM primed with LPS (50 ng/ml) for 4 h and subsequently stimulated with octanal (Oct) and citral (Cit) alone or combined for 8h. F) Production of IL-1 β , from BMDM from *Rtp1/2*^{dko} mice and *wt* mice stimulated with LPS (50ng/ml) for 4h and further incubated with Oct for 8h. G-I) BMDMs were harvested from *wt* mice and left untreated (left), treated with LPS (50ng/ml 4h) or LPS + octanal (10 μ M, 8h). G) Cells pretreated with the Nlrp3 blocker MCC950 (10 μ M, 1h), red columns. H) Cells pretreated with the caspase 1 inhibitor VX-765 (50 μ M, 1h), red columns. I) Cells pretreated with the GSDMD inhibitor Ouabain (50 μ M, 30min), red columns. J) Cells pretreated with the calcium chelator BAPTA-AM (10 μ M, 30 min), red columns. Data are presented as means \pm SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$. p calculated by One-Way ANOVA test, Tukey's multiple comparisons test for A, B, C, D, and E; Two-Way ANOVA test, Tukey's multiple comparisons test for F, G, H, I and J.

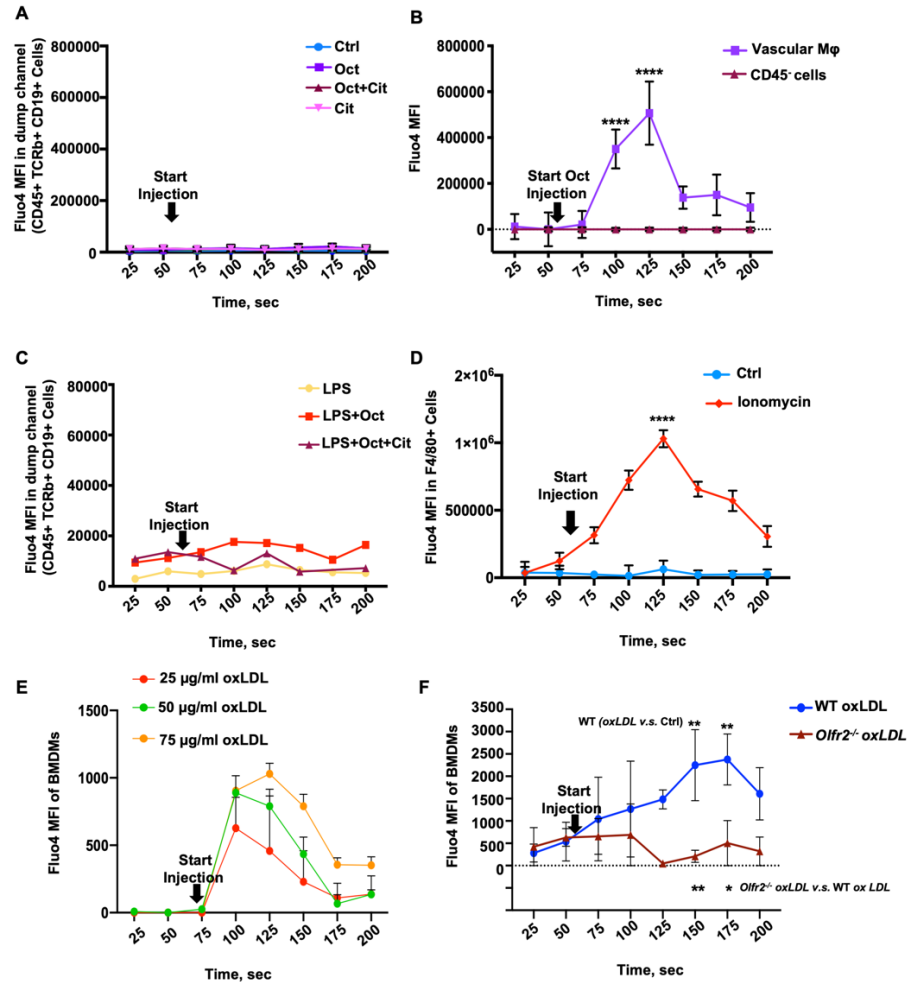


Fig. S9. Calcium (Ca^{2+}) signal detection in vascular cells and BMDMs. **A-D)** Whole aorta cells were isolated, untreated or primed with LPS (500 ng/ml) for 1h and stained with Fluo4 (2 μM) at 37°C for 30 min, then washed and incubated with cell surface markers at RT for 20 min. **A)** CD45^+ , Live, Dump channel $^+$ (containing TCRb^+ , and CD19^+) cells analyzed by flow cytometry. *Olf2* agonist Oct (10 μM) and antagonist Cit (100 μM) alone or combined (Oct+Cit) were added 60 seconds (sec) after the acquisition started. DMSO (1:1000) was injected as a control (Ctrl). **B)** CD45^+ , Live, Dump channel $^-$, F4/80^+ Vascular M ϕ and CD45^- , Live, cells analyzed by flow cytometry. *Olf2* agonist Oct (10 μM) was added 60 seconds (sec) after the acquisition started. DMSO (1:1000) was injected as a control (Ctrl). Ctrl subtracted data are shown. **C)** LPS primed dump channel $^+$ cells, before and after addition of *Olf2* agonist octanal (Oct 10 μM), and antagonist citral (Cit 100 μM) alone or combined (Oct+Cit). Octanal, and citral were injected at 60 seconds after the acquisition started. The time-averaged median fluorescence Intensity (MFI) of Fluo-4 is reported. **D)** Positive control: F4/80^+ vascular macrophages were treated with ionomycin (at arrow). SEM is from 20-50 cells per time point. One representative experiment of three experiments is shown. **E-F)** Intracellular free calcium (Ca^{2+}) in BMDMs from *wt*, and *Olf2* $^{-/-}$ mice. BMDMs were loaded with 2 μM Fluo-4, pretreated with LPS for 1h and then treated with **E)** oxLDL at different doses (25, 50, and 75 $\mu\text{g/ml}$) or **F)** a single dose (75 $\mu\text{g/ml}$) at “start injection”. Fluo-4 Median Fluorescence Intensity (MFI) averaged over 25 sec intervals. 3 biological replicates for each time point are shown. Data are presented as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$, **** $p < 0.0001$. p is calculated by Two Way ANOVA test, Tukey's multiple comparisons test.

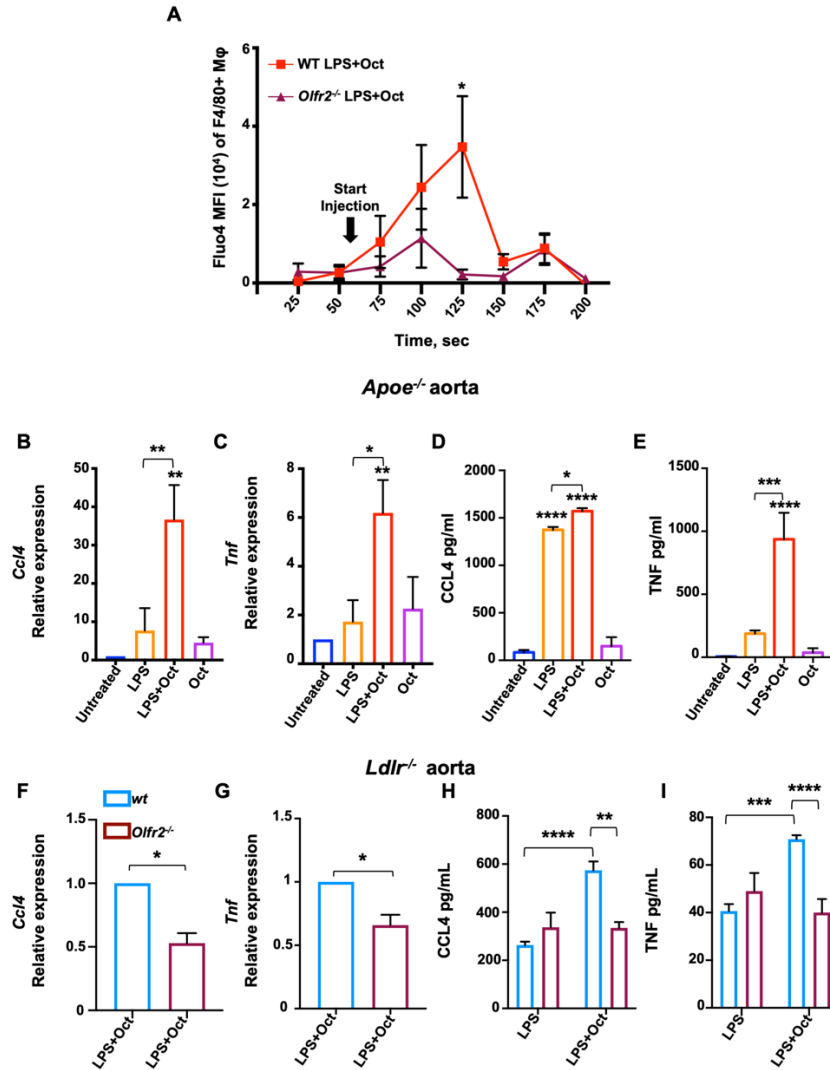


Fig. S10. LPS priming of aorta increases octanal-mediated induction of proinflammatory cytokines secretion. **A)** Mouse aortic cell suspensions from chimeric wt *Ldlr*^{-/-} and *Olfr2*^{-/-} *Ldlr*^{-/-} mice, LPS pre-stimulated (500 ng/ml) for 1h and treated with octanal (Oct, 10 μ M). Treatment started at 60 seconds (sec) after the start of acquisition. Fluo-4 MFI at analyzed time intervals. SD is calculated for 20-50 cells at each time point. (n=4-5/group). **(B-E)** Whole aortas were untreated (DMSO 1:1000) or incubated with octanal, (10 μ M), LPS (500 ng/ml), or both for 12h. (n=5-6/group). **(B)** *Ccl4*, and **(C)** *Tnf* gene expression by RTqPCR. **(D-E)** protein quantification in supernatants of stimulated aortas by cytokine bead array. **(D)** CCL4, **(E)**, TNF. **(F-I)** Whole aortas from chimeric wt *Ldlr*^{-/-} and *Olfr2*^{-/-} *Ldlr*^{-/-} mice were incubated with LPS (500 ng/ml) alone or combined with octanal for 12h. (n= 6/group). **(F)** *Ccl4*, and **(G)** *Tnf* gene expression by RTqPCR. **(H-I)** protein quantification in supernatants of stimulated aortas by cytokine bead array. **(H)** CCL4, **(I)**, TNF. Data are presented as mean \pm SEM. * p < 0.05, ** p < 0.01, *** p < 0.001, **** p < 0.0001. p calculated by Two-Way ANOVA test, Tukey's multiple comparisons for **A**, **H** and **I**; One-Way ANOVA test, Tukey's multiple comparisons test for **B-E**; unpaired t-test with Welch correction for **F** and **G**.

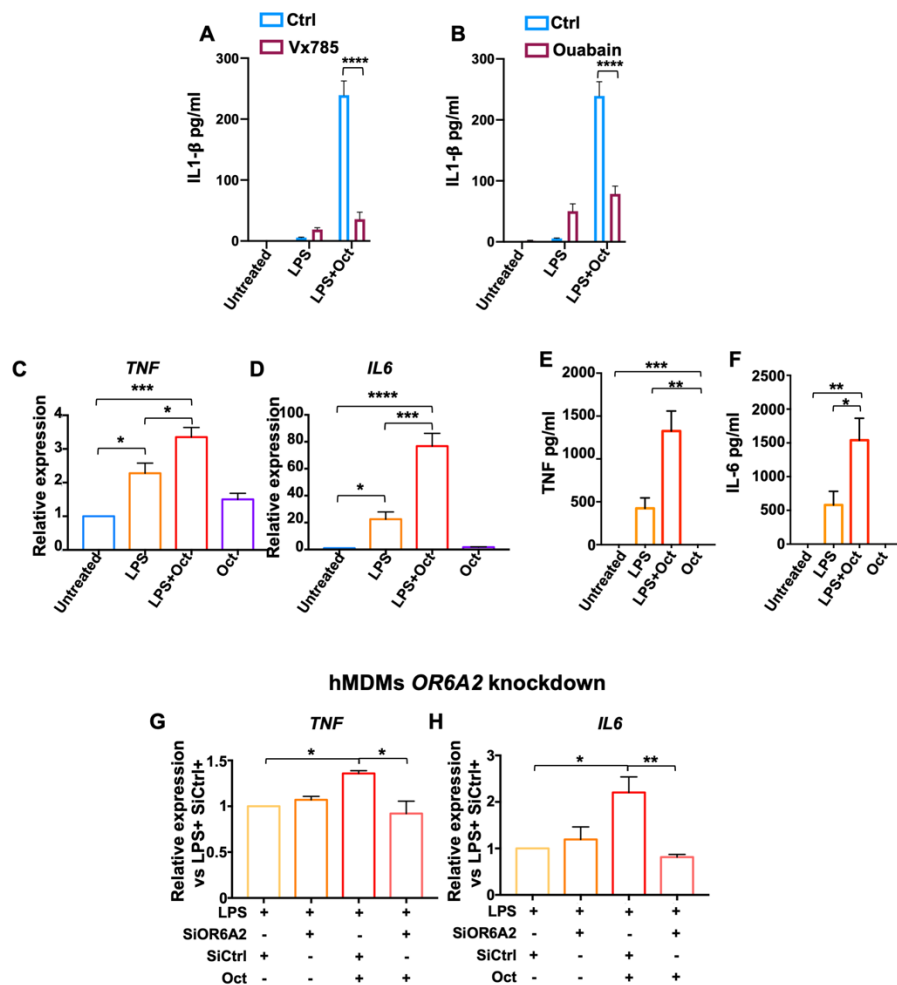


Fig. S11. OR6A2 mediates octanal-induced activation of human MDMs. Monocytes from healthy human donors were differentiated into macrophages (hMDMs). **A-B**) To study the inflammasome pathway, hMDMs were primed with LPS (50 ng/ml 4h) and then treated with octanal (10 μ M) or untreated (DMSO 1:1000) for 8h. **A**) Cells pretreated with the caspase 1 inhibitor VX-765 (50 μ M, 1h), red columns. **B**) Cells pretreated with the GSDMD inhibitor Ouabain (50 μ M, 30min), red columns. **(C-F)** hMDM were untreated or incubated with octanal (Oct, 10 μ M) and LPS, (500 ng/ml) alone or combined (LPS+Oct) for 12h. RTqPCR was performed to detect human **C**) *TNF*, and **D**) *IL6*, gene expression. Relative expression was normalized to *GAPDH* expression and untreated control (n=4/group). **E**) TNF and **F**) IL-6 protein secretion was measured in the cell supernatants by cytometric bead array. **(G-H)** hMDM were transfected with *OR6A2* small interfering RNAs (SiORA6A2) or scrambled control siRNAs (SiCtrl). After 48h, hMDM were treated with LPS (500 ng/ml) alone or combined with Oct (10 μ M) for 12 h. **G**) *TNF* and **H**) *IL6* gene expression analysis was analyzed by RTqPCR and normalized to *GAPDH* and LPS siCtrl treated controls (n=5/group). Data are presented as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.005$, **** $p < 0.001$. p calculated by Two-Way ANOVA test, Tukey's multiple comparisons for **A** and **B** One-Way ANOVA test, Tukey's multiple comparisons test for **C-G**.

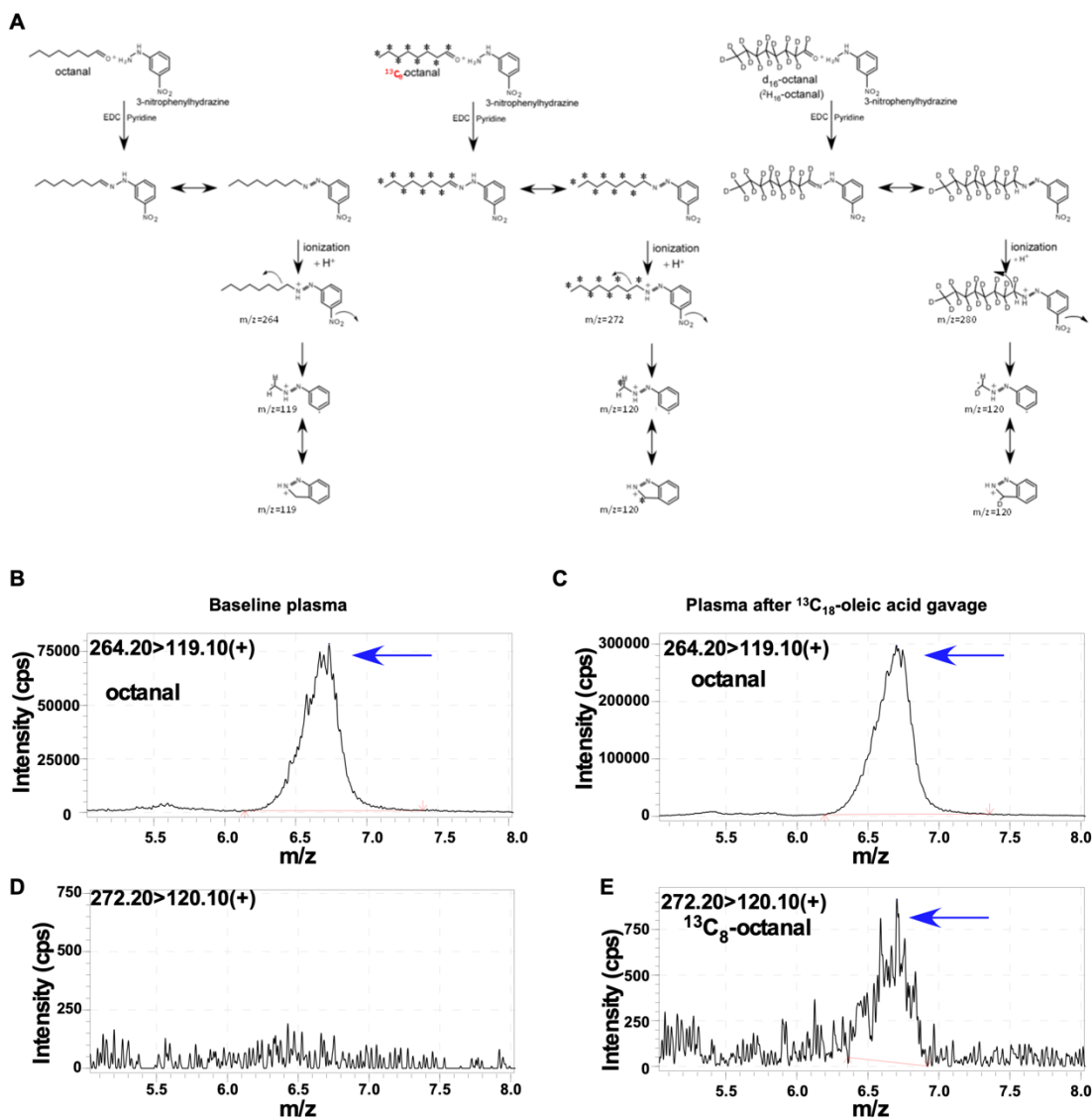


Fig. S12. ¹³C₈octanal detection by mass spectrometry. A) Structural formulae of octanal, ¹³C₈octanal and d₁₆octanal derivatives after reaction with 3-nitrophenylhydrazine and their respective daughter ion formation during collision induced dissociation.

Extracted ion LC chromatograms in positive-ion multiple reaction monitoring (MRM) mode of octanal (B, C), ¹³C₈octanal (D, E) derivatives after reaction with 3-nitrophenylhydrazine with parent to daughter transitions, 264.2→119.1, and 272.2→120.1, respectively. Plasma was collected 24h after gavage with 3 mg ¹³C₁₈oleic acid (C, E). Plasma collected before gavage was used as baseline (B, D).

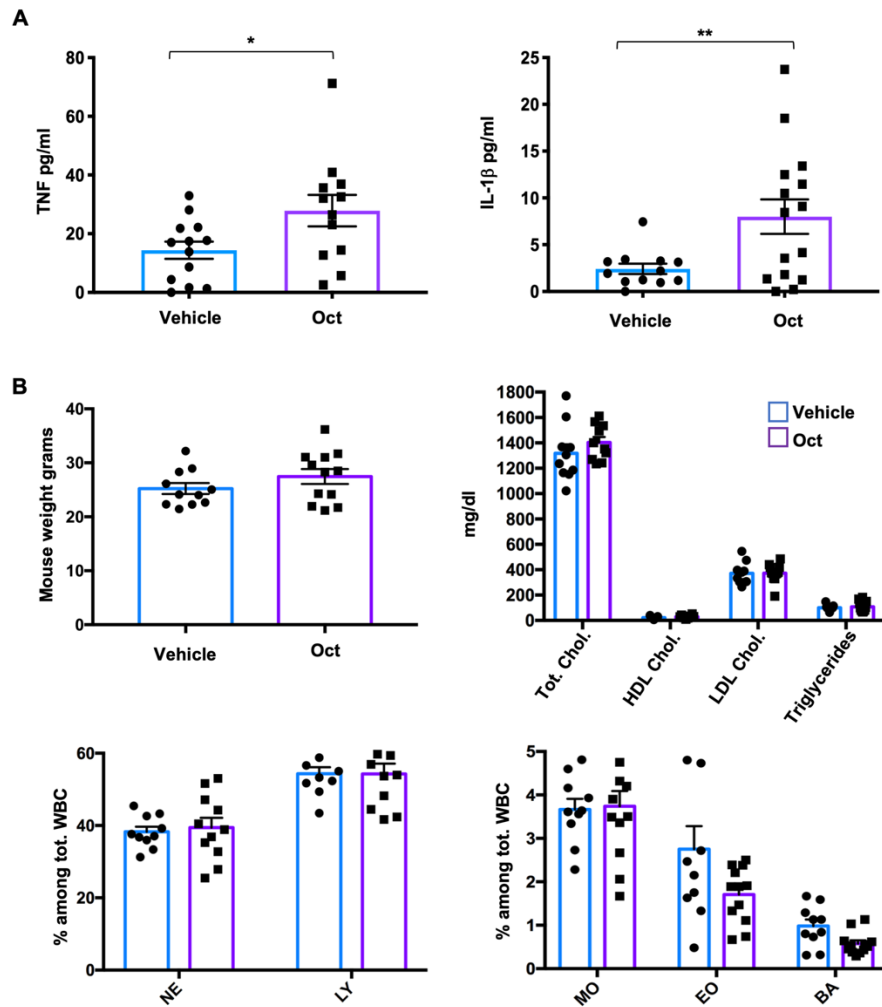


Fig. S13. Systemic cytokines and body parameters after in vivo octanal treatment. A) TNF and IL-1 β levels in plasma of mice treated with octanal as described in **Fig. 4A**. **B)** Body weight, blood lipids and hematological parameters for octanal treated mice related to **Fig. 4B-E**. Neutrophils (NE), Lymphocytes (LY), Monocytes (MO), Eosinophils (EO) and Basophils (BA) % among total white blood cells is reported. Data are presented as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$. p calculated by unpaired T test with Welch correction and by Two-Way ANOVA test, Tukey's multiple comparisons test when appropriate.

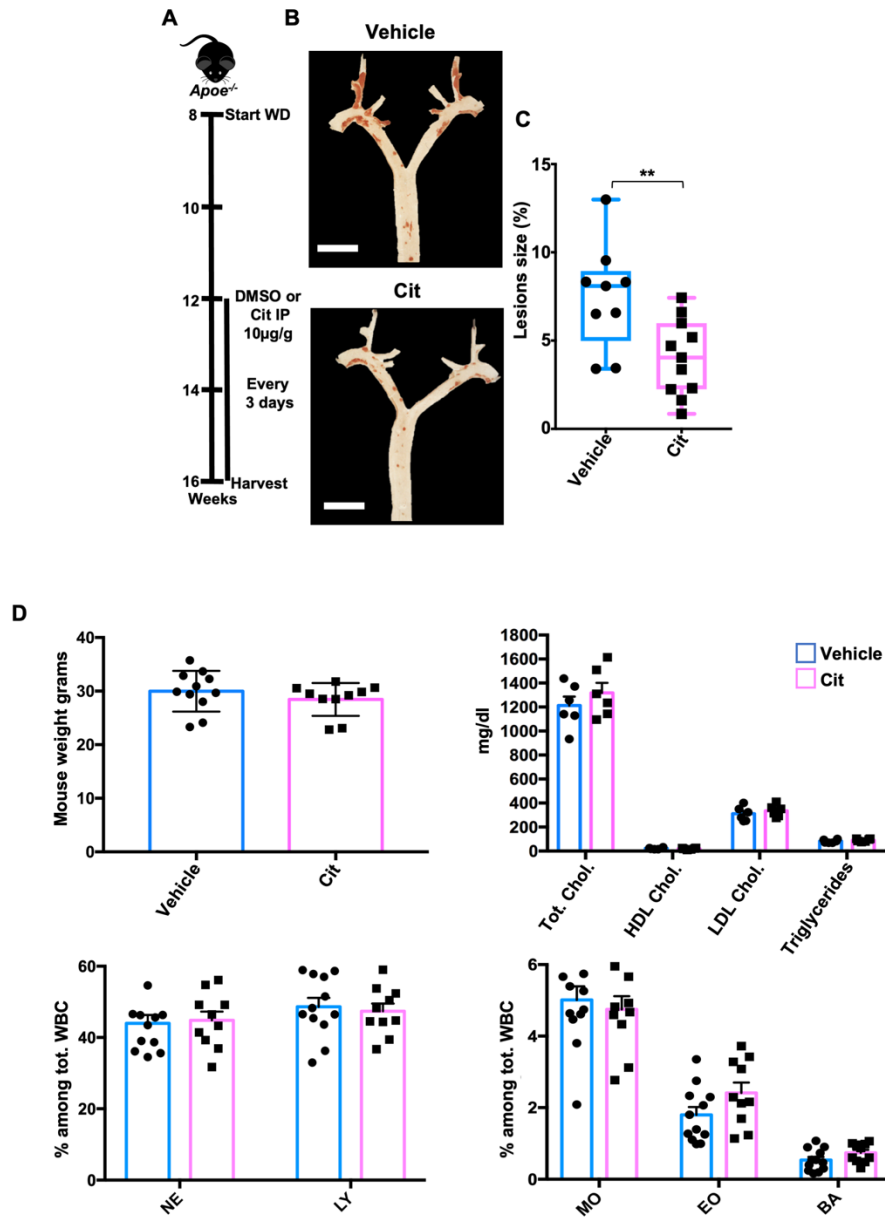


Fig. S14. Citral treatment reduces atherosclerosis in *Apoe*^{-/-} mice. **A)** En face atherosclerosis quantification in vehicle- or citral- (10 µg/g) treated mice. *Apoe*^{-/-} mice (n=9-11/group) were fed WD for 4 weeks and then injected every three days intraperitoneally with vehicle (PBS+1:1000 DMSO), citral (Cit, 10 mg/kg), for the last 4 weeks for a total of 8 wks WD. **B)** Representative images of pinned aortic arches of vehicle- or citral-treated mice. Scale bar = 0.5 cm. **C)** Aortic arch lesion size of citral-treated mice displayed as percentage of total area analyzed. **D)** Body weight, blood lipids and hematological parameters of citral-treated mice. Abbreviations as in **Fig. S13**. Data are presented as mean ± SEM. ** *p* < 0.01. *p* calculated by unpaired T test with Welch correction and by Two-Way ANOVA test, Tukey's multiple comparisons test when appropriate.

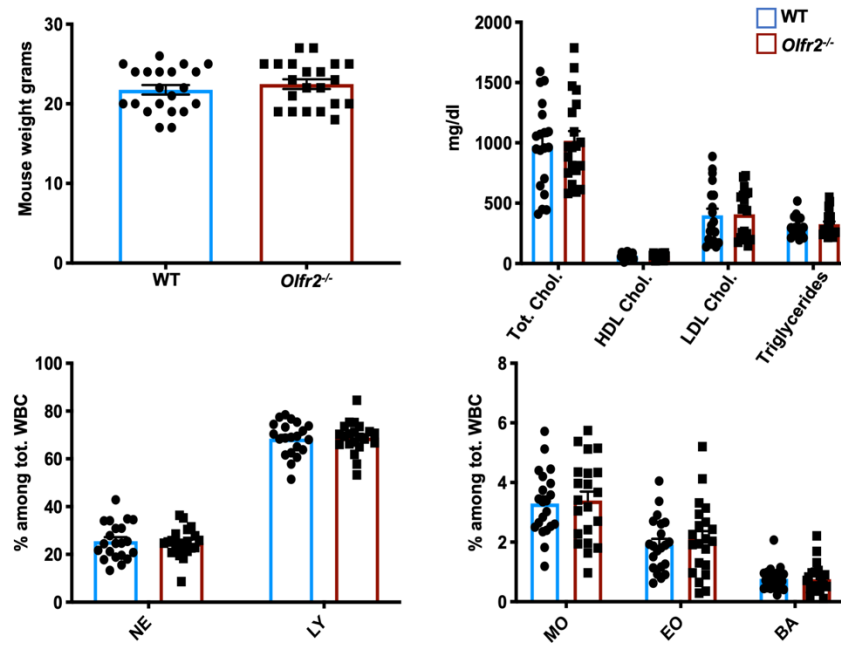


Fig. S15. *Olfr2*^{-/-} bone marrow transplantation into *Ldlr*^{-/-} mice. Body weight, blood lipids and hematological parameters, in *Ldlr*^{-/-} mice transplanted with *wt*, or *Olfr2*^{-/-} bone marrow cells and fed high cholesterol diet for 12 wks (Fig. 4F to O). Abbreviations as in Fig. S13. Data are presented as mean ± SEM. *p* calculated by unpaired T test with Welch correction and by Two-Way ANOVA test, Tukey's multiple comparisons test when appropriate.

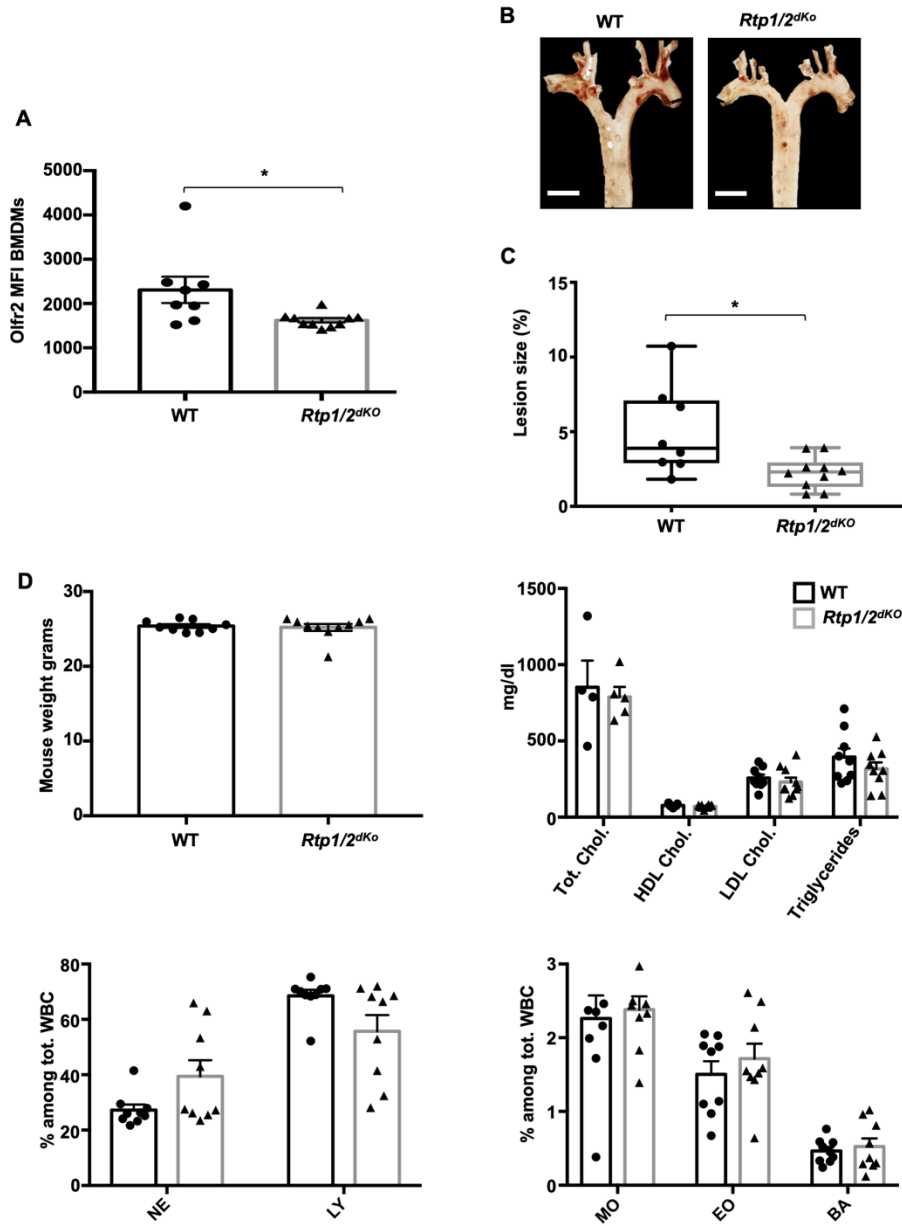


Fig. S16. *Rtp1/Rtp2^{dKO}* bone marrow transplantation into *Ldlr^{-/-}* mice. *Ldlr^{-/-}* male mice (n= 8-10/group) were lethally irradiated and reconstituted with *wt* or *Rtp1/2^{dKO}* bone marrow cells and fed high cholesterol diet for 12 wks. **A)** Olf2 expression on BMDM from *Rtp1/2^{dKO}* *Ldlr^{-/-}* chimeric mice by flow cytometry. **B)** Representative images of pinned aortic arches. Scale bar = 0.5 cm **C)** En face lesion size quantification as percent of analyzed aortic arch area. **D)** Body weight, blood lipids and hematological parameters from BM transplanted mice. Abbreviations as in **Fig. S13**. Data are presented as mean ± SEM. * $p < 0.05$. p calculated by unpaired T test with Welch correction and by Two-Way ANOVA test, Tukey's multiple comparisons test when appropriate.

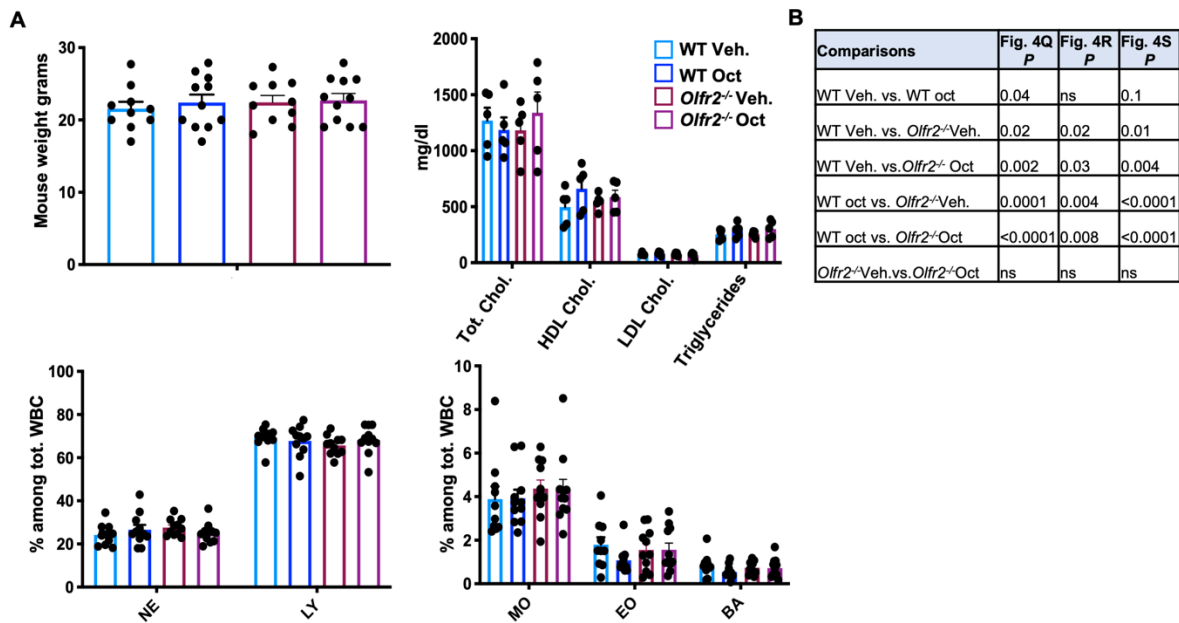


Fig. S17. *Olfr2*^{-/-} bone marrow transplantation into *Ldlr*^{-/-} mice with and without octanal treatment. **A)** Body weight, blood lipids and hematological parameters, in *Ldlr*^{-/-} mice transplanted with *wt*, or *Olfr2*^{-/-} bone marrow cells and fed high cholesterol diet for 8 weeks, then injected every three days intraperitoneally with octanal (Oct, 10 µg/g) or Vehicle (Veh.; DMSO 1:1000) for the last 4 weeks for a total of 12 wks HCD (Fig. 4P to O). Abbreviations as in Fig. S13. Data are presented as mean ± SEM. *p* calculated by Two-Way ANOVA test, Tukey's multiple comparisons test. **B)** Table reporting multiple comparison analysis and respective *p* values (*P*) of Fig. 4Q, R and S (section 624).

3. Supplementary Material Tables

Table S1: Demographics and clinical characteristics

Characteristic	All Subjects (N=196)
Age (yr)	66.5±10.1
Male (%)	66.8
Diabetes (%)	4.6
Hypertension (%)	66.8
Smoking (%)	60.2
BMI	27.4(25.0-30.5)
LDL-c(mg dl⁻¹)	93.5(73.0-115.3)
HDL-c(mg dl⁻¹)	33.6(29.0-40.9)
Total cholesterol(mg dl⁻¹)	161.0(137.9-184.2)
Triglycerides(mg dl⁻¹)	114.5(85.0-175.2)
Statin usage (%)	44.4
Aspirin (%)	62.2
Diabetes Medication (%)	3.6

Table S2: Octanal (μM) correlations

name	rho	P value
Age	0.0006	0.99
MALE	0.007	0.92
BMI	0.089	0.21
Glucose	-0.18	0.013
HDL (mg dl^{-1})	0.012	0.87
LDL (mg dl^{-1})	0.19	0.007
Total cholesterol(mg dl^{-1})	0.26	0.0002
NON-HDL	0.27	0.0001
Triglycerides(mg dl^{-1})	0.24	0.0006

P values calculated by Spearman's rank correlation

Table S3 DE genes FDR<0.05 LPS vs Control BMDMs

Accession	baseMean	log2FC	lfcSE	stat	pvalue	padj	Gene name
ENSMUSG00000020826	37203.302	18.483	1.717	10.763	5.1E-27	1.2765E-25	Nos2
ENSMUSG00000060183	7742.955	12.204	1.278	9.551	1.3E-21	2.538E-20	Cxcl11
ENSMUSG00000055170	432.637	11.982	1.206	9.936	2.9E-23	6.177E-22	Ifng
ENSMUSG00000054958	181.446	11.169	1.212	9.214	3.1E-20	5.7462E-19	Nt5c1a
ENSMUSG00000023959	454.355	9.919	1.194	8.310	9.6E-17	1.4245E-15	Clic5
ENSMUSG00000038067	1167.153	9.804	1.553	6.314	2.7E-10	2.516E-09	Csf3
ENSMUSG00000022938	151.530	9.803	1.123	8.728	2.6E-18	4.2482E-17	Fam3b
ENSMUSG00000016524	161.282	9.772	1.213	8.057	7.8E-16	1.0987E-14	Il19
ENSMUSG00000048806	270.658	9.764	1.243	7.853	4.1E-15	5.4094E-14	Ifnb1
ENSMUSG00000102518	29.830	9.576	1.457	6.575	4.9E-11	4.7909E-10	Gm38339
ENSMUSG00000105096	102.032	9.528	1.257	7.577	3.5E-14	4.431E-13	Gbp10
ENSMUSG00000074115	116.445	9.523	1.225	7.776	7.5E-15	9.7421E-14	Saa1
ENSMUSG00000082976	1805.110	9.304	0.468	19.884	5.6E-88	7.8955E-86	Gm15056
ENSMUSG00000082079	52.565	9.287	1.886	4.924	8.5E-07	5.3634E-06	Dnmt3c
ENSMUSG00000074695	79.815	8.992	1.299	6.920	4.5E-12	4.8523E-11	Il22
ENSMUSG00000101264	69.691	8.930	1.245	7.173	7.3E-13	8.3578E-12	Gm28347
ENSMUSG00000040298	25.549	8.924	1.657	5.386	7.2E-08	5.2409E-07	Btbd16
ENSMUSG00000097418	1507.997	8.907	0.380	23.457	1.1E-121	3.581E-119	Mir155hg
ENSMUSG00000119627	60.707	8.818	1.230	7.169	7.6E-13	8.6179E-12	AC102108.1
ENSMUSG00000086515	20.166	8.715	1.317	6.618	3.6E-11	3.6153E-10	Erich2os
ENSMUSG00000026984	396.354	8.703	0.573	15.197	3.7E-52	2.178E-50	Il1f6
ENSMUSG00000034855	99222.272	8.700	0.573	15.195	3.8E-52	2.2221E-50	Cxcl10
ENSMUSG00000029417	3220.983	8.668	0.591	14.678	8.9E-49	4.7227E-47	Cxcl9
ENSMUSG00000095834	17.204	8.549	1.392	6.140	8.3E-10	7.3315E-09	Tdgfl-ps1
ENSMUSG00000063388	1043.345	8.543	0.632	13.521	1.2E-41	5.058E-40	BC023105
ENSMUSG00000043050	20.685	8.337	1.475	5.654	1.6E-08	1.2243E-07	Tnp2
ENSMUSG00000050440	53.664	8.336	1.287	6.475	9.5E-11	9.0915E-10	Hamp
ENSMUSG00000078922	1583.672	8.318	0.465	17.897	1.2E-71	1.2224E-69	Tgtp1
ENSMUSG00000050468	15.986	8.311	1.512	5.498	3.8E-08	2.8774E-07	Astl
ENSMUSG00000098434	231.302	8.273	1.005	8.231	1.9E-16	2.7115E-15	2010110E17Rik
ENSMUSG00000055102	23.952	8.130	1.806	4.502	6.7E-06	3.8259E-05	Zfp819
ENSMUSG00000108650	31.152	8.117	1.454	5.582	2.4E-08	1.8219E-07	Gm44867
ENSMUSG00000112198	21.302	7.984	1.432	5.576	2.5E-08	1.8815E-07	Gm4065
ENSMUSG00000024810	751.490	7.955	1.307	6.085	1.2E-09	1.0207E-08	Il33
ENSMUSG00000068606	750.245	7.937	0.399	19.898	4.3E-88	6.1874E-86	Gm4841
ENSMUSG00000105504	13364.416	7.877	0.614	12.819	1.3E-37	4.864E-36	Gbp5
ENSMUSG00000044701	13119.681	7.859	0.336	23.363	1.0E-120	2.988E-118	Il27
ENSMUSG00000000247	1843.589	7.839	0.709	11.061	1.9E-28	5.1374E-27	Lhx2
ENSMUSG00000089898	27.496	7.772	1.356	5.732	9.9E-09	7.9432E-08	Gm14199
ENSMUSG00000027398	12520.012	7.725	0.392	19.687	2.8E-86	3.8379E-84	Il1b
ENSMUSG00000087256	22.018	7.690	1.559	4.934	8.1E-07	5.1164E-06	Gm15990
ENSMUSG00000020332	12.198	7.645	1.444	5.293	1.2E-07	8.5487E-07	Meikin
ENSMUSG00000050511	19.627	7.617	1.371	5.555	2.8E-08	2.1122E-07	Oprd1
ENSMUSG00000083645	10.071	7.588	1.481	5.122	3.0E-07	2.0282E-06	Gm14086
ENSMUSG00000079339	26963.387	7.567	0.639	11.839	2.5E-32	7.6435E-31	Ifit1b11
ENSMUSG00000079363	11079.303	7.550	0.512	14.732	4.0E-49	2.1579E-47	Gbp4
ENSMUSG00000087242	4.377	7.454	2.666	2.796	5.2E-03	0.01759641	C78197
ENSMUSG00000020407	15175.300	7.447	0.215	34.712	5.2E-264	1.55E-260	Upp1
ENSMUSG00000079014	113.600	7.438	1.212	6.137	8.4E-10	7.4608E-09	Serpina3i

ENSMUSG00000021118	27.190	7.409	1.608	4.607	4.1E-06	2.3934E-05	Plek2
ENSMUSG00000042212	11.107	7.394	1.795	4.119	3.8E-05	0.000193	Sprr2d
ENSMUSG00000035042	201663.893	7.393	0.281	26.305	1.7E-152	9.003E-150	Ccl5
ENSMUSG00000049093	242.637	7.371	0.513	14.378	7.1E-47	3.5715E-45	Il23r
ENSMUSG00000106773	15.092	7.349	1.591	4.620	3.8E-06	2.2566E-05	Gm43799
ENSMUSG00000066363	2878.715	7.301	0.596	12.252	1.6E-34	5.5594E-33	Serpina3f
ENSMUSG00000053846	5792.228	7.218	0.442	16.313	8.0E-60	5.8337E-58	Lipg
ENSMUSG00000031257	7.388	7.192	1.679	4.283	1.8E-05	9.8189E-05	Nox1
ENSMUSG00000050010	365.783	7.188	0.501	14.358	9.5E-47	4.7031E-45	Shisa3
ENSMUSG00000054203	27653.264	7.178	0.617	11.628	3.0E-31	8.7308E-30	Ifi205
ENSMUSG00000029409	1156.259	7.178	0.563	12.755	2.9E-37	1.0897E-35	U90926
ENSMUSG00000033213	9115.852	7.138	0.300	23.757	9.4E-125	3.091E-122	AA467197
ENSMUSG00000107666	2.882	7.116	2.157	3.299	9.7E-04	0.003853	4933406J09Rik
ENSMUSG00000073008	15.452	7.085	1.482	4.782	1.7E-06	1.0629E-05	Gpr174
ENSMUSG00000028270	74471.478	7.082	0.520	13.631	2.6E-42	1.1683E-40	Gbp2
ENSMUSG00000051503	3.401	7.075	2.491	2.840	4.5E-03	0.015592	Gm6583
ENSMUSG00000104340	68.788	7.045	1.535	4.588	4.5E-06	2.5995E-05	Gm10522
ENSMUSG00000103440	2.749	7.031	2.832	2.483	1.3E-02	0.03949647	Gm37131
ENSMUSG00000033967	220.866	7.026	0.591	11.894	1.3E-32	4.0151E-31	Rnf225
ENSMUSG00000103001	5.880	7.016	1.730	4.055	5.0E-05	0.00025069	A930005N03Rik
ENSMUSG00000014773	236.031	6.999	1.325	5.282	1.3E-07	9.033E-07	Dll1
ENSMUSG00000114736	25.385	6.978	1.208	5.777	7.6E-09	6.1469E-08	Gm47336
ENSMUSG00000109167	5.517	6.974	1.887	3.695	2.2E-04	0.00098453	Gm44652
ENSMUSG00000027270	23.437	6.931	1.604	4.321	1.6E-05	8.3695E-05	Lamp5
ENSMUSG00000075010	71336.808	6.930	0.346	20.009	4.6E-89	6.7757E-87	AW112010
ENSMUSG00000108060	26.945	6.920	1.469	4.712	2.5E-06	1.4776E-05	4921529L05Rik
ENSMUSG00000038580	79.147	6.917	0.908	7.616	2.6E-14	3.3016E-13	Sct
ENSMUSG00000117103	9.714	6.888	1.511	4.560	5.1E-06	2.9469E-05	Gm49916
ENSMUSG00000116935	369.076	6.863	0.345	19.904	3.7E-88	5.4514E-86	Gpr31a
ENSMUSG00000050737	22848.662	6.842	0.201	33.963	7.9E-253	1.722E-249	Ptges
ENSMUSG00000116702	198.193	6.830	0.492	13.887	7.6E-44	3.4978E-42	Gm6553
ENSMUSG00000037279	5.339	6.824	2.555	2.671	7.6E-03	0.02452215	Ovol2
ENSMUSG00000030156	21124.338	6.822	0.329	20.740	1.5E-95	2.5197E-93	Cd69
ENSMUSG00000111078	97.780	6.821	0.636	10.731	7.2E-27	1.7818E-25	Gm35028
ENSMUSG00000020383	5.377	6.801	1.901	3.577	3.5E-04	0.001504	Il13
ENSMUSG00000116929	4.803	6.796	1.785	3.807	1.4E-04	0.00065173	2210009P08Rik
ENSMUSG00000000204	17567.040	6.767	0.522	12.951	2.3E-38	8.9766E-37	Slfn4
ENSMUSG00000020081	14.388	6.748	1.693	3.985	6.7E-05	0.00032963	Tacr2
ENSMUSG00000115979	5.832	6.718	2.493	2.695	7.0E-03	0.0230487	Gm49410
ENSMUSG00000085124	7.036	6.694	1.538	4.353	1.3E-05	7.2885E-05	Gm12766
ENSMUSG00000104272	13.173	6.646	1.677	3.963	7.4E-05	0.00035897	Gm38297
ENSMUSG00000018925	29.060	6.641	1.393	4.769	1.8E-06	1.1268E-05	Heatr9
ENSMUSG00000037202	31.300	6.634	1.456	4.557	5.2E-06	2.9787E-05	Prfl
ENSMUSG00000079645	4.991	6.616	1.689	3.917	9.0E-05	0.00042931	Gm17193
ENSMUSG00000070533	28.839	6.612	1.119	5.906	3.5E-09	2.9252E-08	Wfdc8
ENSMUSG00000040978	75.255	6.611	1.368	4.832	1.4E-06	8.3915E-06	Gm11992
ENSMUSG00000079598	2.545	6.607	2.639	2.503	1.2E-02	0.03758036	Clec2l
ENSMUSG00000029706	23.910	6.579	1.677	3.922	8.8E-05	0.00042113	Pax4
ENSMUSG00000100843	8.291	6.548	1.808	3.621	2.9E-04	0.00128504	Gm8307
ENSMUSG00000099472	11.966	6.545	1.463	4.474	7.7E-06	4.3251E-05	Gm29539
ENSMUSG00000097030	2.524	6.540	2.203	2.969	3.0E-03	0.01075624	Gm26693
ENSMUSG00000111857	6.127	6.481	1.749	3.706	2.1E-04	0.00094883	1190001M18Rik

ENSMUSG00000117446	5.439	6.468	2.122	3.048	2.3E-03	0.00849879	Gm35551
ENSMUSG00000090042	5.373	6.457	1.694	3.811	1.4E-04	0.0006427	Gm8550
ENSMUSG00000046999	89.279	6.446	0.879	7.337	2.2E-13	2.608E-12	1110032F04Rik
ENSMUSG00000076518	8.077	6.419	2.224	2.887	3.9E-03	0.01362201	Igkv2-112
ENSMUSG00000040428	200.013	6.404	0.544	11.773	5.4E-32	1.6395E-30	Plekha4
ENSMUSG00000111089	8.862	6.401	1.705	3.754	1.7E-04	0.00079589	Gm49427
ENSMUSG00000047462	7.922	6.398	1.603	3.992	6.6E-05	0.00032154	Gpr141b
ENSMUSG00000053338	14766.240	6.375	0.325	19.586	2.1E-85	2.7293E-83	Tarm1
ENSMUSG00000054905	10.728	6.357	1.513	4.200	2.7E-05	0.00013807	Stfa3
ENSMUSG00000104509	12.179	6.356	1.511	4.205	2.6E-05	0.00013537	Gm33994
ENSMUSG00000100529	9.092	6.318	1.641	3.849	1.2E-04	0.00055556	Gm19261
ENSMUSG00000087264	5.991	6.298	1.808	3.483	5.0E-04	0.00208101	Gad1os
ENSMUSG00000085135	22.887	6.295	1.154	5.455	4.9E-08	3.6346E-07	Lrrc55os
ENSMUSG00000015437	215.386	6.290	0.864	7.276	3.4E-13	4.0311E-12	Gzmb
ENSMUSG00000100392	46.186	6.283	0.961	6.536	6.3E-11	6.1397E-10	Gm28935
ENSMUSG00000110500	40.165	6.264	1.228	5.100	3.4E-07	2.2695E-06	Gm32568
ENSMUSG00000116763	7.008	6.255	1.956	3.197	1.4E-03	0.0053594	Gm41492
ENSMUSG00000095519	11.899	6.251	2.136	2.926	3.4E-03	0.01219083	Ighv1-66
ENSMUSG00000056755	4.886	6.189	1.971	3.139	1.7E-03	0.00642695	Grm7
ENSMUSG00000104998	4.081	6.166	1.958	3.150	1.6E-03	0.00621921	Gm43822
ENSMUSG00000025746	4672.347	6.149	0.358	17.156	5.6E-66	4.9721E-64	Il6
ENSMUSG00000022501	40.311	6.137	0.748	8.206	2.3E-16	3.3097E-15	Prm1
ENSMUSG00000038239	54.270	6.131	0.891	6.885	5.8E-12	6.1277E-11	Hrc
ENSMUSG00000050395	2708.819	6.131	0.656	9.343	9.4E-21	1.7653E-19	Tnfsf15
ENSMUSG00000055202	197.205	6.123	0.462	13.262	3.8E-40	1.5716E-38	Zfp811
ENSMUSG00000027219	15512.986	6.116	0.312	19.625	9.4E-86	1.2684E-83	Slc28a2
ENSMUSG00000085431	10.564	6.114	1.710	3.575	3.5E-04	0.0015137	4930440I19Rik
ENSMUSG00000024798	77.758	6.077	1.144	5.313	1.1E-07	7.6879E-07	Htr7
ENSMUSG00000031596	13680.935	6.046	0.277	21.814	1.7E-105	3.484E-103	Slc7a2
ENSMUSG00000114768	65.570	6.012	1.235	4.867	1.1E-06	7.074E-06	Gm48857
ENSMUSG00000055110	241.915	6.012	1.017	5.913	3.4E-09	2.8145E-08	A630012P03Rik
ENSMUSG00000077713	4.812	6.012	1.794	3.351	8.0E-04	0.00324912	Gm25728
ENSMUSG00000050742	4.663	6.003	1.701	3.529	4.2E-04	0.00177789	Olf1r164
ENSMUSG00000038037	46802.771	5.984	0.289	20.715	2.6E-95	4.2176E-93	Socs1
ENSMUSG00000004948	7.512	5.976	1.752	3.412	6.5E-04	0.00264949	Zp3
ENSMUSG00000108695	7.047	5.944	1.544	3.851	1.2E-04	0.00055194	Siglecl1
ENSMUSG00000085398	3.924	5.939	1.688	3.519	4.3E-04	0.00183663	4931406G06Rik
ENSMUSG00000041782	711.256	5.938	0.642	9.247	2.3E-20	4.2638E-19	Lad1
ENSMUSG00000042985	57.143	5.937	0.948	6.260	3.9E-10	3.5372E-09	Upk3b
ENSMUSG00000036814	10.742	5.928	1.535	3.861	1.1E-04	0.00053088	Slc6a20a
ENSMUSG00000114553	46.487	5.928	0.716	8.282	1.2E-16	1.7837E-15	Gm7644
ENSMUSG00000074345	131.618	5.925	1.190	4.979	6.4E-07	4.1113E-06	Tnfaip813
ENSMUSG00000029700	3.061	5.924	2.385	2.484	1.3E-02	0.03943074	Slc13a1
ENSMUSG00000050866	10.947	5.907	1.829	3.230	1.2E-03	0.00482324	Clrn3
ENSMUSG00000020641	315111.756	5.895	0.674	8.750	2.1E-18	3.5333E-17	Rsad2
ENSMUSG00000102600	2.642	5.879	2.281	2.578	9.9E-03	0.03106334	Gm37266
ENSMUSG00000091272	4.473	5.869	1.968	2.982	2.9E-03	0.01035047	Gm17641
ENSMUSG00000012428	329.272	5.852	1.226	4.774	1.8E-06	1.1042E-05	Steap4
ENSMUSG00000096992	12.479	5.820	1.290	4.512	6.4E-06	3.6589E-05	Gm26788
ENSMUSG00000117439	6.375	5.802	1.482	3.914	9.1E-05	0.000433	Gm50083
ENSMUSG00000116038	6.197	5.802	1.587	3.655	2.6E-04	0.0011396	Gm46563
ENSMUSG00000070501	1066.077	5.801	0.495	11.722	9.8E-32	2.9532E-30	Ifi214

ENSMUSG00000118633	2.811	5.801	1.874	3.095	2.0E-03	0.0073654	Gm21104
ENSMUSG00000049583	22.758	5.784	1.283	4.510	6.5E-06	3.7004E-05	Grm5
ENSMUSG00000046031	21217.947	5.782	0.444	13.023	9.0E-39	3.5526E-37	Calhm6
ENSMUSG00000051648	13.565	5.754	1.531	3.759	1.7E-04	0.00078224	Kctd19
ENSMUSG00000039304	4297.681	5.753	0.579	9.934	3.0E-23	6.3197E-22	Tnfsf10
ENSMUSG00000037708	4.637	5.750	2.287	2.515	1.2E-02	0.0365422	Spag6
ENSMUSG00000075330	16.894	5.742	1.260	4.558	5.2E-06	2.9783E-05	A930003A15Rik
ENSMUSG00000009093	71.077	5.739	0.689	8.334	7.8E-17	1.17E-15	Gstt4
ENSMUSG00000106609	100.585	5.716	0.521	10.974	5.1E-28	1.3225E-26	Gm43181
ENSMUSG00000027399	10706.896	5.698	0.173	32.990	1.1E-238	1.816E-235	Il1a
ENSMUSG00000055602	21.220	5.692	1.175	4.843	1.3E-06	7.9661E-06	Tcp10b
ENSMUSG00000025165	132.247	5.687	1.101	5.168	2.4E-07	1.6123E-06	Sectm1a
ENSMUSG00000021872	54.037	5.681	1.534	3.704	2.1E-04	0.00095578	Rnase10
ENSMUSG00000103588	149.247	5.680	0.632	8.991	2.5E-19	4.3078E-18	Gm18445
ENSMUSG00000020638	192878.926	5.679	0.615	9.241	2.4E-20	4.5095E-19	Cmpk2
ENSMUSG00000035186	409.746	5.679	0.327	17.346	2.1E-67	1.941E-65	Ubd
ENSMUSG00000054072	32566.336	5.666	0.693	8.172	3.0E-16	4.3709E-15	Iigp1
ENSMUSG00000040046	25.649	5.660	1.629	3.475	5.1E-04	0.00213881	Tph1
ENSMUSG00000107075	6.257	5.657	1.923	2.941	3.3E-03	0.01167038	Gm43068
ENSMUSG00000114185	26.672	5.647	1.120	5.042	4.6E-07	3.0147E-06	Gm47662
ENSMUSG00000027347	1785.318	5.638	0.250	22.563	1.0E-112	2.4E-110	Rasgrp1
ENSMUSG00000041165	3.688	5.636	1.997	2.822	4.8E-03	0.01638188	Spem1
ENSMUSG00000035849	56.695	5.627	1.334	4.217	2.5E-05	0.00012895	Krt222
ENSMUSG00000028268	25566.696	5.625	0.515	10.921	9.1E-28	2.3511E-26	Gbp3
ENSMUSG00000017652	48595.262	5.614	0.381	14.730	4.1E-49	2.2088E-47	Cd40
ENSMUSG00000078921	15900.348	5.579	0.579	9.633	5.8E-22	1.1616E-20	Tgtp2
ENSMUSG00000103676	5.908	5.568	1.621	3.435	5.9E-04	0.00245199	Gm38204
ENSMUSG00000032845	88.735	5.566	0.836	6.655	2.8E-11	2.8478E-10	Alpk2
ENSMUSG00000039236	16515.714	5.526	0.421	13.121	2.5E-39	9.953E-38	Isg20
ENSMUSG00000025790	11523.182	5.515	0.196	28.075	2.0E-173	1.441E-170	Slco3a1
ENSMUSG00000035818	10.210	5.506	2.030	2.712	6.7E-03	0.02204416	Plekhs1
ENSMUSG00000031289	8.878	5.501	1.582	3.478	5.1E-04	0.00211513	Il13ra2
ENSMUSG00000045502	7442.790	5.492	0.184	29.823	2.0E-195	1.751E-192	Hcar2
ENSMUSG00000040328	648.698	5.475	0.690	7.935	2.1E-15	2.8448E-14	Olfr56
ENSMUSG00000035352	15474.095	5.469	0.510	10.723	7.9E-27	1.943E-25	Ccl12
ENSMUSG00000030889	3.627	5.469	2.004	2.729	6.4E-03	0.02106817	Vwa3a
ENSMUSG00000035560	9.942	5.457	1.418	3.850	1.2E-04	0.00055485	Wdr20rt
ENSMUSG00000029410	37.143	5.447	0.976	5.584	2.4E-08	1.8081E-07	Ppef2
ENSMUSG00000103336	3.936	5.433	1.865	2.913	3.6E-03	0.01262186	Gm37993
ENSMUSG00000031551	158.577	5.427	0.854	6.353	2.1E-10	1.9798E-09	Ido1
ENSMUSG00000109447	4.555	5.423	1.737	3.123	1.8E-03	0.00676254	Gm3198
ENSMUSG00000097754	223.636	5.420	0.408	13.282	2.9E-40	1.205E-38	Ptgs2os2
ENSMUSG00000041481	3787.248	5.418	0.199	27.163	1.8E-162	1.118E-159	Serpina3g
ENSMUSG00000067049	40.597	5.409	0.685	7.901	2.8E-15	3.7252E-14	Unc93a
ENSMUSG00000108006	99.972	5.406	0.662	8.170	3.1E-16	4.4569E-15	Gm44418
ENSMUSG00000026875	14127.656	5.404	0.166	32.558	1.6E-232	2.265E-229	Traf1
ENSMUSG00000050105	10.425	5.398	2.121	2.545	1.1E-02	0.03381149	Grrp1
ENSMUSG00000071036	15.454	5.398	1.827	2.954	3.1E-03	0.01124734	Gm10309
ENSMUSG00000114650	5.230	5.361	1.752	3.059	2.2E-03	0.00821694	Gm47570
ENSMUSG00000048852	1070.721	5.356	0.765	6.998	2.6E-12	2.8514E-11	Gm12185
ENSMUSG00000118495	63.201	5.320	0.769	6.918	4.6E-12	4.8911E-11	Gm21011
ENSMUSG00000108956	4.039	5.314	2.044	2.600	9.3E-03	0.02936839	Gm45179

ENSMUSG00000036067	24094.981	5.307	0.273	19.449	3.0E-84	3.7575E-82	Slc2a6
ENSMUSG00000112798	40.402	5.307	0.716	7.416	1.2E-13	1.4662E-12	Gm40685
ENSMUSG00000042961	19.060	5.291	1.281	4.130	3.6E-05	0.00018432	Egflam
ENSMUSG00000095612	22.161	5.286	1.956	2.702	6.9E-03	0.0226253	Ighv5-4
ENSMUSG00000044703	7031.353	5.279	0.543	9.728	2.3E-22	4.6483E-21	Phf11a
ENSMUSG00000030606	7.548	5.272	2.027	2.602	9.3E-03	0.02927407	Hapln3
ENSMUSG00000035594	11.095	5.267	1.685	3.127	1.8E-03	0.00667825	Chrna5
ENSMUSG00000104713	2483.291	5.265	0.599	8.784	1.6E-18	2.6313E-17	Gbp6
ENSMUSG00000076633	2.806	5.257	2.170	2.423	1.5E-02	0.0457481	Ighv5-2
ENSMUSG00000039899	20138.513	5.253	0.331	15.870	1.0E-56	6.9197E-55	Fgl2
ENSMUSG00000114859	18.076	5.241	1.265	4.142	3.4E-05	0.00017547	Gm47735
ENSMUSG00000041827	156057.780	5.237	0.612	8.563	1.1E-17	1.7441E-16	Oas11
ENSMUSG00000053113	57738.830	5.228	0.149	35.021	1.1E-268	5.139E-265	Socs3
ENSMUSG00000032068	33.175	5.223	1.081	4.829	1.4E-06	8.4778E-06	Plet1
ENSMUSG00000071562	28.740	5.207	0.878	5.929	3.0E-09	2.5627E-08	Stfa1
ENSMUSG00000097742	6.304	5.197	1.726	3.011	2.6E-03	0.00949889	Gm26535
ENSMUSG00000022900	99.685	5.182	0.667	7.766	8.1E-15	1.0511E-13	Ildr1
ENSMUSG00000026770	497.248	5.177	0.529	9.784	1.3E-22	2.7281E-21	Il2ra
ENSMUSG00000066677	9831.183	5.155	0.657	7.845	4.3E-15	5.7538E-14	Ifi208
ENSMUSG00000110114	2.818	5.152	1.998	2.579	9.9E-03	0.0310282	Gm45471
ENSMUSG00000116583	5.217	5.140	1.605	3.203	1.4E-03	0.00526026	Gm2349
ENSMUSG00000114163	39.510	5.140	0.790	6.506	7.7E-11	7.4516E-10	Gm32296
ENSMUSG00000113228	5.196	5.139	1.568	3.277	1.0E-03	0.00413991	4930471E15Rik
ENSMUSG00000068417	756.624	5.125	0.292	17.570	4.2E-69	3.9757E-67	Pnp2
ENSMUSG00000026981	222202.315	5.117	0.177	28.831	8.7E-183	6.981E-180	Il1rn
ENSMUSG00000085786	372.453	5.107	0.306	16.709	1.1E-62	8.9423E-61	Gm15987
ENSMUSG00000043613	43.998	5.098	1.765	2.889	3.9E-03	0.01354339	Mmp3
ENSMUSG00000092021	136.837	5.061	1.266	3.997	6.4E-05	0.0003151	Gbp11
ENSMUSG00000030149	1532.458	5.060	0.443	11.427	3.1E-30	8.7487E-29	Klrk1
ENSMUSG00000090957	330.740	5.054	0.393	12.856	8.0E-38	3.0353E-36	Gm7535
ENSMUSG00000102282	4.842	5.051	2.108	2.396	1.7E-02	0.0487435	A930032L01Rik
ENSMUSG00000073407	14.610	5.048	0.991	5.095	3.5E-07	2.3174E-06	Gm6034
ENSMUSG00000031382	5.679	5.037	2.091	2.409	1.6E-02	0.04726917	Asb11
ENSMUSG00000002384	4.288	5.013	1.994	2.514	1.2E-02	0.036649	Bmp8b
ENSMUSG00000047884	39.515	5.011	0.711	7.050	1.8E-12	1.9817E-11	Klk9
ENSMUSG00000024211	7.128	4.999	1.887	2.649	8.1E-03	0.02599916	Grm8
ENSMUSG00000090231	629.263	4.989	0.237	21.049	2.3E-98	4.0048E-96	Cfb
ENSMUSG00000034459	128404.601	4.988	0.590	8.448	3.0E-17	4.5598E-16	Ifit1
ENSMUSG00000020891	6.807	4.988	1.849	2.697	7.0E-03	0.02293333	Alox8
ENSMUSG00000085977	767.138	4.986	0.471	10.597	3.1E-26	7.4406E-25	Gm5970
ENSMUSG00000024675	44824.153	4.965	0.449	11.056	2.0E-28	5.3834E-27	Ms4a4c
ENSMUSG00000113101	3.419	4.953	1.978	2.504	1.2E-02	0.0374824	Gm33424
ENSMUSG00000023206	6403.337	4.944	0.300	16.455	7.8E-61	5.8831E-59	Il15ra
ENSMUSG00000113608	5.315	4.923	1.461	3.370	7.5E-04	0.00304626	Gm48715
ENSMUSG00000036117	15.259	4.909	1.297	3.784	1.5E-04	0.00071319	Il5
ENSMUSG00000092509	2.995	4.905	1.900	2.581	9.8E-03	0.03080752	Gm20394
ENSMUSG00000050370	4193.042	4.891	0.294	16.628	4.4E-62	3.4214E-60	Ch25h
ENSMUSG00000068246	1849.980	4.889	0.445	10.991	4.2E-28	1.1048E-26	Apol9b
ENSMUSG00000050234	32.910	4.888	1.192	4.101	4.1E-05	0.00020782	Gja4
ENSMUSG00000025496	25.488	4.886	1.301	3.755	1.7E-04	0.00079316	Drd4
ENSMUSG00000102099	15.581	4.885	1.379	3.543	4.0E-04	0.0016958	1700011B04Rik
ENSMUSG00000090942	1813.630	4.870	0.705	6.904	5.1E-12	5.3966E-11	F830016B08Rik

ENSMUSG0000000386	37834.820	4.864	0.494	9.840	7.5E-23	1.5796E-21	Mx1
ENSMUSG00000090223	4.272	4.849	1.617	2.998	2.7E-03	0.00987951	Pcp4
ENSMUSG00000093726	9.246	4.843	1.358	3.567	3.6E-04	0.00155402	Gm20667
ENSMUSG00000031549	169.333	4.835	0.561	8.613	7.1E-18	1.1401E-16	Ido2
ENSMUSG00000052749	3148.408	4.829	0.372	12.968	1.8E-38	7.182E-37	Trim30b
ENSMUSG00000043953	28070.730	4.829	0.307	15.739	8.2E-56	5.3394E-54	Ccrl2
ENSMUSG00000071311	495.055	4.824	0.248	19.478	1.7E-84	2.1576E-82	Gpr31b
ENSMUSG00000030142	73012.405	4.815	0.181	26.665	1.2E-156	7.137E-154	Clec4e
ENSMUSG00000003863	830.932	4.814	0.302	15.918	4.7E-57	3.2661E-55	Ppfa3
ENSMUSG00000117234	70.864	4.813	0.607	7.930	2.2E-15	2.9729E-14	Gm7818
ENSMUSG00000040253	18775.173	4.809	0.470	10.224	1.5E-24	3.4761E-23	Gbp7
ENSMUSG00000026011	6.293	4.808	1.984	2.424	1.5E-02	0.04567296	Ctla4
ENSMUSG00000051716	33.819	4.786	1.146	4.177	3.0E-05	0.00015183	Apon
ENSMUSG00000097766	10.742	4.775	1.607	2.971	3.0E-03	0.01070432	5730420D15Rik
ENSMUSG00000045326	328.385	4.759	0.380	12.533	4.9E-36	1.7553E-34	Fndc7
ENSMUSG00000044313	83.530	4.751	1.107	4.290	1.8E-05	9.5043E-05	Mab2113
ENSMUSG00000057465	286.506	4.749	0.331	14.344	1.2E-46	5.7983E-45	Saa2
ENSMUSG00000045932	123261.929	4.747	0.664	7.151	8.6E-13	9.7338E-12	Ifit2
ENSMUSG00000045551	33695.451	4.741	0.195	24.302	1.9E-130	6.655E-128	Fpr1
ENSMUSG00000028602	661.882	4.712	0.228	20.672	6.1E-95	9.9731E-93	Tnfrsf8
ENSMUSG00000108493	7.340	4.709	1.644	2.865	4.2E-03	0.01451273	Gm45715
ENSMUSG00000052270	3193.188	4.700	0.172	27.394	3.3E-165	2.247E-162	Fpr2
ENSMUSG00000029184	2.970	4.695	1.941	2.419	1.6E-02	0.04613373	Olfrl109
ENSMUSG00000004296	1829.244	4.690	0.381	12.293	9.8E-35	3.3527E-33	Il12b
ENSMUSG00000044103	6712.779	4.669	0.218	21.384	1.9E-101	3.563E-99	Il1f9
ENSMUSG00000057346	1040.531	4.666	0.279	16.725	8.6E-63	6.9282E-61	Apol9a
ENSMUSG00000033427	20.161	4.663	1.154	4.042	5.3E-05	0.00026379	Upb1
ENSMUSG00000085652	6.789	4.655	1.621	2.872	4.1E-03	0.01422214	Gm11999
ENSMUSG00000068129	3436.641	4.651	0.203	22.881	7.1E-116	1.859E-113	Cst7
ENSMUSG00000118183	19.411	4.647	1.486	3.127	1.8E-03	0.00666959	Gm50345
ENSMUSG00000057135	3432.376	4.647	0.215	21.581	2.7E-103	5.235E-101	Scimp
ENSMUSG00000078616	6547.785	4.646	0.504	9.217	3.0E-20	5.561E-19	Trim30c
ENSMUSG00000087452	11.315	4.638	1.295	3.582	3.4E-04	0.00148034	Gm11998
ENSMUSG00000043145	4.667	4.626	1.671	2.769	5.6E-03	0.01890932	Gm11292
ENSMUSG00000027611	16356.862	4.619	0.178	26.009	4.0E-149	1.797E-146	Procr
ENSMUSG00000086526	4.320	4.617	1.577	2.928	3.4E-03	0.01214054	Gm12762
ENSMUSG00000079177	4.437	4.593	1.790	2.566	1.0E-02	0.03199637	Fam228a
ENSMUSG00000089844	453.689	4.584	0.300	15.288	9.2E-53	5.5326E-51	A530032D15Rik
ENSMUSG00000081933	3.428	4.583	1.864	2.458	1.4E-02	0.04196651	Gm14767
ENSMUSG00000020178	4640.168	4.578	0.240	19.079	3.8E-81	4.4961E-79	Adora2a
ENSMUSG00000107946	28.828	4.572	1.064	4.295	1.7E-05	9.3137E-05	Gm44066
ENSMUSG00000099568	3.520	4.569	1.872	2.440	1.5E-02	0.04381912	Gm28513
ENSMUSG00000091649	21763.639	4.561	0.430	10.599	3.0E-26	7.2568E-25	Phfl1b
ENSMUSG00000029378	47.739	4.551	1.055	4.314	1.6E-05	8.6212E-05	Areg
ENSMUSG00000086184	37.561	4.543	0.733	6.202	5.6E-10	5.0173E-09	Gm12764
ENSMUSG00000037849	26853.697	4.527	0.575	7.872	3.5E-15	4.6703E-14	Ifi206
ENSMUSG00000095704	38.998	4.527	0.882	5.135	2.8E-07	1.9055E-06	Gm8221
ENSMUSG00000001156	41858.818	4.514	0.193	23.354	1.2E-120	3.598E-118	Mxd1
ENSMUSG00000090103	36.649	4.513	0.639	7.057	1.7E-12	1.8828E-11	Gm16094
ENSMUSG00000033538	8631.210	4.501	0.212	21.207	8.3E-100	1.4895E-97	Casp4
ENSMUSG00000112892	4.275	4.495	1.586	2.834	4.6E-03	0.01583182	Gm8613
ENSMUSG00000116961	34.813	4.487	0.625	7.182	6.9E-13	7.8564E-12	Gm49662

ENSMUSG00000073234	30.159	4.483	1.108	4.046	5.2E-05	0.00025947	Gm8773
ENSMUSG00000035692	55225.882	4.477	0.552	8.105	5.3E-16	7.4568E-15	Isg15
ENSMUSG00000115855	262.381	4.463	0.366	12.180	4.0E-34	1.3271E-32	Gm34643
ENSMUSG00000058287	7.494	4.462	1.693	2.636	8.4E-03	0.02688623	Gm12253
ENSMUSG00000016529	3854.271	4.455	0.392	11.365	6.3E-30	1.7696E-28	Il10
ENSMUSG00000114963	10.364	4.452	1.318	3.378	7.3E-04	0.00297008	Gm29010
ENSMUSG00000098934	57.917	4.448	0.468	9.515	1.8E-21	3.5625E-20	Gvin-ps4
ENSMUSG00000111118	867.024	4.446	0.631	7.045	1.9E-12	2.0468E-11	Gm6545
ENSMUSG00000019230	6.814	4.442	1.523	2.916	3.5E-03	0.01252541	Lhx9
ENSMUSG00000053541	57.270	4.437	0.750	5.913	3.4E-09	2.8173E-08	Gvin-ps6
ENSMUSG00000107480	243.334	4.432	0.444	9.979	1.9E-23	4.0609E-22	Gm44165
ENSMUSG00000118068	5.694	4.425	1.642	2.695	7.0E-03	0.02303146	Gm50275
ENSMUSG00000030107	42054.619	4.416	0.520	8.485	2.2E-17	3.3618E-16	Usp18
ENSMUSG00000023341	6743.067	4.416	0.412	10.721	8.1E-27	1.9951E-25	Mx2
ENSMUSG00000029490	2452.907	4.405	0.177	24.948	2.3E-137	9.085E-135	Mfsd7a
ENSMUSG00000103165	56.284	4.404	0.709	6.213	5.2E-10	4.671E-09	Gm37560
ENSMUSG00000118038	179.286	4.400	0.405	10.876	1.5E-27	3.8254E-26	Gm9895
ENSMUSG00000079700	4.779	4.364	1.742	2.505	1.2E-02	0.03738615	Fpr3
ENSMUSG00000100108	12.375	4.348	1.384	3.142	1.7E-03	0.00637727	Gm28100
ENSMUSG00000040264	37.074	4.345	0.937	4.636	3.5E-06	2.0916E-05	Gbp2b
ENSMUSG00000030472	40.119	4.345	0.684	6.347	2.2E-10	2.0535E-09	Ceacam18
ENSMUSG00000023078	28.143	4.335	0.985	4.399	1.1E-05	5.9866E-05	Cxcl13
ENSMUSG00000016283	516.913	4.334	0.482	8.985	2.6E-19	4.5192E-18	H2-M2
ENSMUSG00000018930	118948.120	4.333	0.207	20.910	4.4E-97	7.334E-95	Ccl4
ENSMUSG00000050350	730.144	4.332	0.278	15.582	9.6E-55	6.1363E-53	Gpr18
ENSMUSG00000090138	2.991	4.331	1.567	2.765	5.7E-03	0.01914612	Gm3687
ENSMUSG00000034842	111.028	4.331	0.605	7.163	7.9E-13	8.9791E-12	Art3
ENSMUSG00000025591	10447.231	4.330	0.117	36.932	1.4E-298	1.134E-294	Tma16
ENSMUSG00000079597	69.567	4.329	0.545	7.947	1.9E-15	2.5985E-14	Cstdc4
ENSMUSG00000118590	15.215	4.326	0.811	5.335	9.6E-08	6.8464E-07	Gm15433
ENSMUSG00000039699	5527.457	4.322	0.338	12.777	2.2E-37	8.2647E-36	Batf2
ENSMUSG00000016496	18815.355	4.303	0.261	16.470	6.0E-61	4.5956E-59	Cd274
ENSMUSG00000033847	147.680	4.300	0.455	9.454	3.3E-21	6.2858E-20	Pla2g4c
ENSMUSG00000006818	92191.960	4.294	0.138	31.209	8.0E-214	8.792E-211	Sod2
ENSMUSG00000031779	626.001	4.292	0.653	6.576	4.8E-11	4.7421E-10	Ccl22
ENSMUSG00000094027	12.014	4.291	1.052	4.080	4.5E-05	0.000226	Gm21762
ENSMUSG00000081169	22.763	4.287	0.939	4.565	5.0E-06	2.8755E-05	Gm12551
ENSMUSG00000068735	1838.956	4.282	0.327	13.082	4.2E-39	1.6554E-37	Trp53i11
ENSMUSG00000030402	167.217	4.281	0.482	8.889	6.2E-19	1.0554E-17	Ppm1n
ENSMUSG00000028037	14998.641	4.275	0.603	7.085	1.4E-12	1.5532E-11	Ifi44
ENSMUSG00000098534	49.567	4.275	0.569	7.518	5.6E-14	6.9091E-13	Gm27167
ENSMUSG00000006930	387.740	4.274	0.446	9.573	1.0E-21	2.0491E-20	Hap1
ENSMUSG00000063234	4369.345	4.264	0.189	22.562	1.0E-112	2.458E-110	Gpr84
ENSMUSG00000085161	19.470	4.261	0.898	4.745	2.1E-06	1.2654E-05	Gm7580
ENSMUSG00000035852	392.596	4.252	0.750	5.669	1.4E-08	1.1272E-07	Misp
ENSMUSG00000045662	21.078	4.246	1.018	4.173	3.0E-05	0.00015444	Henmt1
ENSMUSG00000101279	66.059	4.244	0.503	8.440	3.2E-17	4.8789E-16	Gm18342
ENSMUSG00000027555	10808.256	4.242	0.188	22.611	3.4E-113	8.35E-111	Car13
ENSMUSG00000023961	4302.083	4.226	0.180	23.413	3.2E-121	9.6E-119	Enpp4
ENSMUSG00000049928	11.567	4.225	1.094	3.861	1.1E-04	0.00053146	Glp2r
ENSMUSG00000027368	8071.557	4.225	0.185	22.812	3.4E-115	8.816E-113	Dusp2
ENSMUSG00000025321	102.191	4.215	0.571	7.382	1.6E-13	1.8779E-12	Itgb8

ENSMUSG00000118607	25.273	4.210	0.787	5.348	8.9E-08	6.375E-07	Gm7592
ENSMUSG00000067206	28.861	4.206	0.940	4.474	7.7E-06	4.3377E-05	Lrrc66
ENSMUSG00000072109	1228.163	4.204	0.230	18.258	1.8E-74	1.8865E-72	A530040E14Rik
ENSMUSG00000040026	387002.540	4.198	0.110	38.242	0.0E+00	0	Saa3
ENSMUSG00000032446	12.112	4.178	1.738	2.403	1.6E-02	0.04791728	Eomes
ENSMUSG00000027360	8789.539	4.176	0.120	34.722	3.7E-264	1.266E-260	Hdc
ENSMUSG00000086389	22.622	4.175	1.031	4.051	5.1E-05	0.000254	Gm15998
ENSMUSG00000096175	3.224	4.174	1.549	2.694	7.1E-03	0.02308341	Gm21761
ENSMUSG00000026581	5589.141	4.173	0.163	25.653	3.9E-145	1.712E-142	Sell
ENSMUSG00000097028	47.782	4.172	0.706	5.912	3.4E-09	2.8321E-08	Ptgs2os
ENSMUSG00000078954	28.454	4.167	1.047	3.980	6.9E-05	0.00033637	Arhgap8
ENSMUSG00000018796	16284.719	4.159	0.161	25.853	2.3E-147	1.008E-144	Acs11
ENSMUSG00000030474	2268.226	4.158	0.165	25.231	1.8E-140	7.473E-138	Siglece
ENSMUSG00000026829	605.365	4.156	0.229	18.174	8.3E-74	8.5666E-72	Gbgt1
ENSMUSG00000029005	47.674	4.154	1.363	3.048	2.3E-03	0.00850725	Draxin
ENSMUSG00000104654	137.145	4.135	0.475	8.713	3.0E-18	4.8454E-17	Gm43814
ENSMUSG00000063430	32.664	4.134	0.849	4.868	1.1E-06	7.0393E-06	Wscd2
ENSMUSG00000113290	20.663	4.130	0.970	4.259	2.1E-05	0.00010837	A530058O07Rik
ENSMUSG00000109729	20.631	4.126	0.710	5.814	6.1E-09	4.9858E-08	Gm45418
ENSMUSG00000073631	26.960	4.121	0.662	6.221	4.9E-10	4.4458E-09	Gm10553
ENSMUSG00000111774	3.440	4.111	1.718	2.393	1.7E-02	0.04917243	Gm38398
ENSMUSG00000084846	147.964	4.103	0.522	7.866	3.7E-15	4.9187E-14	A730011C13Rik
ENSMUSG00000094796	3008.586	4.103	0.543	7.554	4.2E-14	5.2667E-13	BC147527
ENSMUSG00000025481	40.998	4.101	0.602	6.814	9.5E-12	9.8944E-11	Urah
ENSMUSG00000087281	9.968	4.095	1.243	3.294	9.9E-04	0.00392433	Gm16015
ENSMUSG00000061852	8.111	4.087	1.166	3.505	4.6E-04	0.00192809	Gm53056
ENSMUSG00000075302	8.491	4.079	1.089	3.745	1.8E-04	0.00082225	Erich2
ENSMUSG00000070883	406.845	4.071	0.265	15.355	3.3E-53	1.9905E-51	Ccdc173
ENSMUSG00000037989	24.681	4.064	1.186	3.426	6.1E-04	0.00252582	Wnk2
ENSMUSG00000018916	132.489	4.038	0.508	7.957	1.8E-15	2.4064E-14	Csf2
ENSMUSG00000114761	596.400	4.036	0.582	6.939	3.9E-12	4.257E-11	Gm47242
ENSMUSG00000055546	189.389	4.028	0.359	11.219	3.3E-29	9.0144E-28	Timd4
ENSMUSG00000003617	8585.854	4.026	0.183	21.993	3.4E-107	7.13E-105	Cp
ENSMUSG00000040276	127.737	4.006	0.713	5.619	1.9E-08	1.487E-07	Pacsin1
ENSMUSG00000056133	20.499	4.003	0.932	4.296	1.7E-05	9.3012E-05	Unc93a2
ENSMUSG00000056078	3.220	4.001	1.659	2.411	1.6E-02	0.04704768	Lipm
ENSMUSG00000062488	22096.966	3.992	0.604	6.606	4.0E-11	3.9149E-10	Ifit3b
ENSMUSG00000102329	220.322	3.987	0.413	9.645	5.2E-22	1.0328E-20	Gm10851
ENSMUSG00000072294	10.102	3.982	1.324	3.008	2.6E-03	0.00957024	Klf12
ENSMUSG00000087436	10.828	3.977	0.925	4.300	1.7E-05	9.1334E-05	Gm16156
ENSMUSG00000043263	39578.366	3.971	0.461	8.610	7.3E-18	1.1642E-16	Ifi209
ENSMUSG00000074627	21.061	3.965	0.921	4.304	1.7E-05	8.9695E-05	Mroh8
ENSMUSG00000109695	24.540	3.962	0.735	5.395	6.9E-08	5.001E-07	Gm31166
ENSMUSG00000034987	763.302	3.955	0.301	13.127	2.3E-39	9.2474E-38	Hrh2
ENSMUSG00000023903	1804.085	3.950	0.195	20.254	3.3E-91	5.1029E-89	Mmp25
ENSMUSG00000090125	977.255	3.941	0.457	8.629	6.2E-18	9.9479E-17	Pou3f1
ENSMUSG00000063903	41.976	3.922	0.747	5.248	1.5E-07	1.0757E-06	Klk1
ENSMUSG00000117440	4.466	3.920	1.587	2.470	1.3E-02	0.04068692	Gm50087
ENSMUSG00000055547	7.917	3.919	1.368	2.865	4.2E-03	0.01448085	Apobec4
ENSMUSG00000074274	7.768	3.915	1.240	3.157	1.6E-03	0.00608202	D930028M14Rik
ENSMUSG00000044338	71.924	3.912	0.851	4.599	4.3E-06	2.4824E-05	Ap1nr
ENSMUSG00000114705	7.396	3.911	1.573	2.486	1.3E-02	0.03915989	Gm18760

ENSMUSG00000032688	8382.125	3.909	0.108	36.231	2.0E-287	1.183E-283	Malt1
ENSMUSG00000006310	378.726	3.909	0.433	9.018	1.9E-19	3.3703E-18	Zbtb32
ENSMUSG00000104941	13.377	3.908	0.865	4.517	6.3E-06	3.5736E-05	Gm8953
ENSMUSG00000113701	68.368	3.904	0.624	6.252	4.0E-10	3.6951E-09	B230303A05Rik
ENSMUSG00000024678	371.647	3.898	0.279	13.947	3.3E-44	1.5127E-42	Ms4a4d
ENSMUSG00000031722	52862.025	3.898	0.137	28.471	2.7E-178	2.088E-175	Hp
ENSMUSG00000099930	37.403	3.890	0.643	6.054	1.4E-09	1.2264E-08	Gm2396
ENSMUSG00000026773	12355.721	3.887	0.157	24.762	2.3E-135	8.585E-133	Pfkfb3
ENSMUSG00000086479	33.023	3.886	0.792	4.904	9.4E-07	5.9286E-06	Gm16014
ENSMUSG00000097804	198.752	3.885	0.326	11.926	8.7E-33	2.7534E-31	Gm16685
ENSMUSG00000105550	35.601	3.878	0.631	6.144	8.0E-10	7.1427E-09	Gm35585
ENSMUSG00000028525	7388.412	3.878	0.116	33.308	3.0E-243	5.517E-240	Pde4b
ENSMUSG00000090881	403.136	3.877	0.334	11.607	3.8E-31	1.1142E-29	Phf11
ENSMUSG00000024402	138.576	3.871	0.904	4.281	1.9E-05	9.8869E-05	Lta
ENSMUSG00000040666	18.049	3.870	0.972	3.983	6.8E-05	0.00033278	Sh3bgr
ENSMUSG00000112767	7.793	3.870	1.065	3.632	2.8E-04	0.00123667	Gm47532
ENSMUSG00000073409	2575.069	3.865	0.363	10.658	1.6E-26	3.8678E-25	H2-Q6
ENSMUSG00000112762	7.601	3.863	1.492	2.589	9.6E-03	0.03017466	4930459C07Rik
ENSMUSG00000087477	732.108	3.859	0.618	6.240	4.4E-10	3.9757E-09	Gm13822
ENSMUSG00000114070	85.284	3.859	0.500	7.715	1.2E-14	1.5624E-13	Gm47727
ENSMUSG00000025279	812.133	3.852	0.296	13.002	1.2E-38	4.6598E-37	Dnase113
ENSMUSG00000026971	10.957	3.844	1.411	2.725	6.4E-03	0.0213097	Itgb6
ENSMUSG00000064833	3.724	3.841	1.452	2.646	8.2E-03	0.02618701	Gm25926
ENSMUSG00000097150	5.990	3.841	1.568	2.449	1.4E-02	0.04287751	Gm26513
ENSMUSG00000062511	15.653	3.839	0.983	3.904	9.5E-05	0.00045056	4930512M02Rik
ENSMUSG00000034258	74.139	3.839	0.730	5.261	1.4E-07	1.0056E-06	Flvcr2
ENSMUSG00000091491	19.027	3.831	1.083	3.537	4.0E-04	0.00172727	Vmn2r97
ENSMUSG00000037447	7351.420	3.830	0.175	21.909	2.2E-106	4.497E-104	Arid5a
ENSMUSG00000028583	8869.293	3.827	0.210	18.240	2.5E-74	2.5501E-72	Pdpn
ENSMUSG00000117964	456.167	3.824	0.292	13.102	3.2E-39	1.2786E-37	Gm36043
ENSMUSG00000117713	3.188	3.816	1.480	2.578	9.9E-03	0.0310425	Gm46637
ENSMUSG00000031639	2255.707	3.812	0.327	11.657	2.1E-31	6.288E-30	Tlr3
ENSMUSG00000052477	282.636	3.805	0.423	8.998	2.3E-19	4.021E-18	C130026I21Rik
ENSMUSG00000024401	8033.450	3.803	0.124	30.586	1.9E-205	1.809E-202	Tnf
ENSMUSG00000044058	21.210	3.798	0.731	5.196	2.0E-07	1.3964E-06	Mthfr-ps1
ENSMUSG00000005089	47.029	3.794	0.806	4.706	2.5E-06	1.5183E-05	Slc1a2
ENSMUSG00000109807	48.328	3.794	0.603	6.297	3.0E-10	2.8058E-09	Gm45244
ENSMUSG00000062232	7049.801	3.793	0.169	22.428	2.1E-111	4.777E-109	Rapgef2
ENSMUSG00000102862	64.657	3.789	0.487	7.788	6.8E-15	8.8651E-14	Gm37640
ENSMUSG00000015316	1117.751	3.786	0.269	14.075	5.4E-45	2.5661E-43	Slamf1
ENSMUSG00000026235	133.187	3.785	0.584	6.479	9.2E-11	8.8791E-10	Epha4
ENSMUSG00000047293	68.701	3.783	0.704	5.374	7.7E-08	5.5848E-07	Gpr15
ENSMUSG00000081219	3243.346	3.783	0.192	19.749	8.2E-87	1.1449E-84	Bambi-ps1
ENSMUSG00000036995	359.119	3.782	0.461	8.197	2.5E-16	3.5652E-15	Asap3
ENSMUSG00000068245	17799.599	3.781	0.483	7.827	5.0E-15	6.5995E-14	Phf11d
ENSMUSG00000073491	12074.153	3.777	0.550	6.863	6.7E-12	7.072E-11	Ifi213
ENSMUSG00000051969	18.580	3.776	1.008	3.747	1.8E-04	0.00081734	Tlr11
ENSMUSG00000069793	2521.265	3.774	0.378	9.972	2.0E-23	4.3388E-22	Slfn9
ENSMUSG00000100398	24.262	3.771	0.783	4.813	1.5E-06	9.1516E-06	Gm5251
ENSMUSG00000005202	16.412	3.764	1.479	2.544	1.1E-02	0.03390809	Shbg
ENSMUSG00000108291	490.576	3.764	0.301	12.507	6.9E-36	2.4204E-34	Gm44292
ENSMUSG00000062480	9.555	3.762	1.434	2.624	8.7E-03	0.02770997	Acat3

ENSMUSG00000078853	28530.792	3.761	0.400	9.393	5.8E-21	1.1076E-19	Igtp
ENSMUSG00000021990	2673.697	3.761	0.168	22.402	3.7E-111	8.384E-109	Spatal3
ENSMUSG00000024546	6.870	3.760	1.179	3.189	1.4E-03	0.0054958	4930546C10Rik
ENSMUSG00000103105	13.785	3.749	1.192	3.146	1.7E-03	0.00630018	Gm18752
ENSMUSG00000090222	1412.024	3.739	0.447	8.364	6.0E-17	9.1399E-16	Ifi203-ps
ENSMUSG00000022534	8154.692	3.734	0.166	22.498	4.3E-112	1.001E-109	Mefv
ENSMUSG00000033576	75.443	3.724	1.445	2.578	9.9E-03	0.03105319	Apol6
ENSMUSG00000021638	19.353	3.714	1.429	2.600	9.3E-03	0.02937376	Ocln
ENSMUSG00000032899	41.694	3.709	0.916	4.050	5.1E-05	0.00025523	Styk1
ENSMUSG00000079491	768.564	3.706	0.334	11.105	1.2E-28	3.1677E-27	H2-T10
ENSMUSG00000078920	38745.023	3.703	0.451	8.218	2.1E-16	3.003E-15	Ifi47
ENSMUSG00000000093	53.853	3.702	0.875	4.233	2.3E-05	0.00012103	Tbx2
ENSMUSG00000102037	3515.240	3.699	0.126	29.469	7.2E-191	6.157E-188	Bcl2a1a
ENSMUSG00000097203	12.295	3.696	1.182	3.128	1.8E-03	0.00665335	4732419C18Rik
ENSMUSG00000074896	94595.013	3.688	0.615	5.999	2.0E-09	1.6971E-08	Ifit3
ENSMUSG00000091144	407.671	3.682	0.518	7.108	1.2E-12	1.3161E-11	Phf11c
ENSMUSG00000035561	4913.182	3.668	0.229	15.989	1.5E-57	1.0632E-55	Aldh1b1
ENSMUSG00000000805	33.243	3.666	0.685	5.351	8.8E-08	6.2928E-07	Car4
ENSMUSG00000047945	104556.854	3.663	0.172	21.335	5.4E-101	9.929E-99	Marcks11
ENSMUSG00000044350	13312.753	3.660	0.161	22.677	7.5E-114	1.889E-111	Lacc1
ENSMUSG00000004359	9303.058	3.659	0.137	26.644	2.1E-156	1.238E-153	Spic
ENSMUSG00000110484	10.437	3.659	1.152	3.176	1.5E-03	0.00573402	Gm45712
ENSMUSG00000005763	154.127	3.659	0.529	6.910	4.8E-12	5.161E-11	Cd247
ENSMUSG00000024778	5128.421	3.649	0.109	33.542	1.2E-246	2.354E-243	Fas
ENSMUSG00000003309	23.083	3.647	1.331	2.741	6.1E-03	0.02043763	Ap1m2
ENSMUSG00000029862	20.137	3.636	1.137	3.198	1.4E-03	0.00534989	Clcn1
ENSMUSG00000045381	94.128	3.636	0.753	4.830	1.4E-06	8.4532E-06	Olfir433
ENSMUSG00000038453	11.191	3.635	0.949	3.830	1.3E-04	0.00059928	Srcin1
ENSMUSG00000073402	4.087	3.635	1.325	2.743	6.1E-03	0.02031058	Gm8909
ENSMUSG00000103308	35.860	3.634	0.637	5.707	1.2E-08	9.1432E-08	Gm37800
ENSMUSG00000029798	5882.736	3.631	0.445	8.152	3.6E-16	5.1473E-15	Herc6
ENSMUSG00000117432	5.661	3.630	1.316	2.759	5.8E-03	0.01943665	Gm49967
ENSMUSG00000095197	6.113	3.629	1.318	2.754	5.9E-03	0.01967736	Ighv1-59
ENSMUSG00000000248	13.258	3.629	1.219	2.976	2.9E-03	0.01053925	Clec2g
ENSMUSG00000117269	195.731	3.622	0.376	9.626	6.2E-22	1.2415E-20	Gm9706
ENSMUSG00000037405	23982.238	3.621	0.128	28.181	1.0E-174	7.556E-172	Icam1
ENSMUSG00000079654	257.623	3.615	0.689	5.246	1.6E-07	1.0832E-06	Prrt4
ENSMUSG00000035513	1009.689	3.612	0.435	8.310	9.6E-17	1.4232E-15	Ntng2
ENSMUSG00000097115	14.866	3.611	1.335	2.705	6.8E-03	0.0224273	1810019N24Rik
ENSMUSG00000097638	20.503	3.609	1.104	3.268	1.1E-03	0.00426635	Carlr
ENSMUSG00000108732	313.862	3.599	0.347	10.370	3.4E-25	7.8232E-24	2310043P16Rik
ENSMUSG00000112267	9.314	3.598	1.356	2.653	8.0E-03	0.02567581	Gm47903
ENSMUSG00000055030	11.820	3.596	1.238	2.905	3.7E-03	0.01295144	Sprr2e
ENSMUSG00000091553	13.291	3.590	1.343	2.673	7.5E-03	0.02437637	Serpina3e-ps
ENSMUSG00000001663	763.268	3.588	0.296	12.111	9.3E-34	3.0353E-32	Gstt1
ENSMUSG00000082292	13243.422	3.588	0.479	7.496	6.6E-14	8.1378E-13	Gm12250
ENSMUSG00000046486	6.264	3.585	1.182	3.033	2.4E-03	0.00888838	Olfir231
ENSMUSG00000056004	37.792	3.581	0.684	5.237	1.6E-07	1.1354E-06	Elapor2
ENSMUSG00000005640	18.414	3.580	1.271	2.817	4.9E-03	0.01661527	Insrr
ENSMUSG00000030069	67.731	3.578	0.716	4.997	5.8E-07	3.7725E-06	Prok2
ENSMUSG00000118024	107.662	3.575	0.574	6.233	4.6E-10	4.136E-09	Gm50419
ENSMUSG00000016498	227.692	3.574	0.408	8.755	2.0E-18	3.3933E-17	Pdcd11g2

ENSMUSG00000103114	9.164	3.566	1.373	2.597	9.4E-03	0.02959104	Gm32200
ENSMUSG00000062007	462.940	3.566	0.373	9.573	1.0E-21	2.0641E-20	Hsh2d
ENSMUSG00000112627	1178.118	3.554	0.192	18.541	9.6E-77	1.0433E-74	4933412E12Rik
ENSMUSG00000048498	133.325	3.553	0.950	3.741	1.8E-04	0.0008336	Cd300e
ENSMUSG00000020010	413.234	3.550	0.303	11.734	8.5E-32	2.564E-30	Vnn3
ENSMUSG00000000982	31011.612	3.548	0.130	27.354	9.6E-165	6.392E-162	Ccl3
ENSMUSG00000097244	8.960	3.547	0.878	4.040	5.3E-05	0.00026544	Gm7928
ENSMUSG00000116639	126.584	3.546	0.613	5.783	7.3E-09	5.9391E-08	Gm49730
ENSMUSG00000090272	18300.686	3.545	0.388	9.140	6.2E-20	1.1255E-18	Mndal
ENSMUSG00000026896	26664.320	3.544	0.388	9.129	6.9E-20	1.243E-18	Ifih1
ENSMUSG00000028356	57.995	3.534	1.366	2.588	9.7E-03	0.03032191	Ambp
ENSMUSG00000019489	16.605	3.530	1.221	2.891	3.8E-03	0.01344568	Cd70
ENSMUSG00000102411	7.072	3.529	1.458	2.420	1.6E-02	0.04605701	Gm36936
ENSMUSG00000055994	501.136	3.528	0.346	10.211	1.8E-24	3.9699E-23	Nod2
ENSMUSG00000099241	56.302	3.528	0.473	7.462	8.5E-14	1.0446E-12	Gvin-ps2
ENSMUSG00000090891	7.466	3.524	1.404	2.511	1.2E-02	0.03689225	D6ErtD527e
ENSMUSG00000049939	452.896	3.523	0.674	5.225	1.7E-07	1.2065E-06	Lrrc4
ENSMUSG00000070031	7941.013	3.518	0.167	21.122	5.0E-99	8.629E-97	Sp140
ENSMUSG00000103364	39.418	3.514	0.588	5.974	2.3E-09	1.9665E-08	Gm38157
ENSMUSG00000029298	6203.522	3.512	0.371	9.474	2.7E-21	5.2361E-20	Gbp9
ENSMUSG00000025498	137012.824	3.504	0.437	8.009	1.2E-15	1.6014E-14	Irf7
ENSMUSG00000044548	19.993	3.502	0.849	4.123	3.7E-05	0.00018963	Dact1
ENSMUSG00000033966	67.443	3.500	0.723	4.840	1.3E-06	8.0566E-06	Cdkl4
ENSMUSG00000029322	13838.083	3.500	0.132	26.416	8.9E-154	4.861E-151	Plac8
ENSMUSG00000119880	3.391	3.493	1.422	2.457	1.4E-02	0.04210012	AC161348.2
ENSMUSG00000110502	4.583	3.491	1.457	2.396	1.7E-02	0.04879835	Gm8804
ENSMUSG00000087361	25.288	3.474	0.572	6.072	1.3E-09	1.0982E-08	0610043K17Rik
ENSMUSG00000024842	27.133	3.473	0.952	3.649	2.6E-04	0.00116508	Cabp4
ENSMUSG00000073980	91.019	3.455	0.722	4.788	1.7E-06	1.0323E-05	Gm9574
ENSMUSG00000037977	8.975	3.443	1.440	2.391	1.7E-02	0.04938539	6430571L13Rik
ENSMUSG00000118640	16.784	3.442	0.763	4.509	6.5E-06	3.7076E-05	Gm7582
ENSMUSG00000075225	34.154	3.442	0.784	4.392	1.1E-05	6.1699E-05	Ccdc162
ENSMUSG00000074342	3158.676	3.441	0.223	15.464	6.1E-54	3.7304E-52	I830077J02Rik
ENSMUSG00000079323	9.693	3.438	1.062	3.237	1.2E-03	0.00472661	Gm20661
ENSMUSG00000061356	13.088	3.431	1.377	2.492	1.3E-02	0.03863245	Nuggc
ENSMUSG00000086527	67.697	3.431	0.523	6.555	5.6E-11	5.4393E-10	Gm15856
ENSMUSG00000099974	4319.343	3.430	0.119	28.894	1.4E-183	1.166E-180	Bcl2a1d
ENSMUSG00000032487	9238.799	3.430	0.285	12.047	2.0E-33	6.557E-32	Ptgs2
ENSMUSG00000048329	16.756	3.429	1.279	2.680	7.4E-03	0.02391662	Mfsd6l
ENSMUSG00000050014	33.381	3.416	0.844	4.047	5.2E-05	0.00025866	Apol10b
ENSMUSG00000050671	9.607	3.413	1.350	2.528	1.1E-02	0.03530437	Ism2
ENSMUSG00000030717	10514.134	3.412	0.138	24.650	3.6E-134	1.349E-131	Nupr1
ENSMUSG00000063611	3051.124	3.412	0.168	20.351	4.6E-92	7.1762E-90	Gm10134
ENSMUSG00000047511	29.889	3.412	0.812	4.200	2.7E-05	0.00013806	Olfr1396
ENSMUSG00000097134	330.502	3.411	0.348	9.788	1.3E-22	2.6125E-21	1110002J07Rik
ENSMUSG00000018845	15.493	3.409	0.971	3.509	4.5E-04	0.00190057	Unc45b
ENSMUSG00000030283	24.324	3.407	0.876	3.888	1.0E-04	0.00047843	St8sial
ENSMUSG00000091199	6.719	3.404	1.111	3.065	2.2E-03	0.00809287	Gm2619
ENSMUSG00000046687	705.428	3.403	0.294	11.582	5.1E-31	1.4893E-29	Gm5424
ENSMUSG00000054676	13946.750	3.401	0.168	20.215	7.2E-91	1.1046E-88	1600014C10Rik
ENSMUSG00000030359	6.452	3.400	1.202	2.828	4.7E-03	0.01612652	Pzp
ENSMUSG00000070661	9.235	3.394	1.233	2.752	5.9E-03	0.01981051	Rnfl86

ENSMUSG00000045664	2130.259	3.388	0.200	16.951	1.9E-64	1.6146E-62	Cdc42ep2
ENSMUSG00000055833	13.927	3.384	0.989	3.421	6.2E-04	0.00257032	1700034H15Rik
ENSMUSG00000004947	12521.095	3.384	0.160	21.208	8.1E-100	1.4668E-97	Dtx2
ENSMUSG00000093800	6.825	3.383	1.324	2.555	1.1E-02	0.03297799	Gm20796
ENSMUSG00000094561	25.462	3.378	1.222	2.764	5.7E-03	0.01914834	Ighv1-22
ENSMUSG00000082116	33.806	3.377	0.533	6.339	2.3E-10	2.1614E-09	Gm12188
ENSMUSG00000031712	7844.881	3.374	0.271	12.438	1.6E-35	5.6487E-34	Il15
ENSMUSG00000107985	51.462	3.372	0.519	6.497	8.2E-11	7.9122E-10	Gm35037
ENSMUSG00000000562	243.315	3.368	0.391	8.622	6.6E-18	1.0579E-16	Adora3
ENSMUSG00000090016	9.262	3.366	0.974	3.456	5.5E-04	0.00227733	Gm16578
ENSMUSG00000108064	43.105	3.362	0.577	5.829	5.6E-09	4.562E-08	Gm44423
ENSMUSG00000037752	3636.093	3.353	0.145	23.106	4.0E-118	1.111E-115	Xkr8
ENSMUSG00000028392	14.705	3.347	1.280	2.614	8.9E-03	0.02834749	Bspry
ENSMUSG00000056116	11457.070	3.343	0.336	9.958	2.3E-23	4.9686E-22	H2-T22
ENSMUSG00000038179	25000.606	3.342	0.160	20.890	6.6E-97	1.0955E-94	Slamf7
ENSMUSG00000107634	23.286	3.338	0.658	5.074	3.9E-07	2.5791E-06	Gm36816
ENSMUSG00000029082	3217.498	3.338	0.157	21.198	1.0E-99	1.7606E-97	Bst1
ENSMUSG00000112121	5.681	3.336	1.328	2.513	1.2E-02	0.03673993	C230072F16Rik
ENSMUSG00000027562	1587.978	3.335	0.257	12.980	1.6E-38	6.2188E-37	Car2
ENSMUSG00000039217	4454.010	3.330	0.156	21.413	1.0E-101	1.913E-99	Il18
ENSMUSG00000023947	9726.226	3.326	0.137	24.284	2.9E-130	1.03E-127	Nfkbie
ENSMUSG00000019935	11.575	3.321	1.346	2.468	1.4E-02	0.04097677	Slc17a8
ENSMUSG00000039997	10956.785	3.321	0.389	8.546	1.3E-17	2.0166E-16	Ifi203
ENSMUSG00000088705	7.560	3.314	1.371	2.417	1.6E-02	0.04636484	Gm25549
ENSMUSG00000020400	14726.826	3.313	0.095	34.969	6.6E-268	2.628E-264	Tnip1
ENSMUSG00000027514	20488.565	3.311	0.428	7.743	9.7E-15	1.2617E-13	Zbp1
ENSMUSG00000031327	95.079	3.309	0.487	6.801	1.0E-11	1.0752E-10	Chic1
ENSMUSG00000081723	721.226	3.297	0.168	19.654	5.3E-86	7.2871E-84	Gm15931
ENSMUSG00000082365	28.039	3.288	0.757	4.345	1.4E-05	7.53E-05	Btf3-ps11
ENSMUSG00000060675	3386.681	3.285	0.124	26.585	1.0E-155	5.832E-153	Plaat3
ENSMUSG00000039431	217.586	3.281	0.397	8.255	1.5E-16	2.2383E-15	Mtmr7
ENSMUSG00000026700	160.705	3.280	0.459	7.148	8.8E-13	9.9299E-12	Tnfsf4
ENSMUSG00000107320	41.907	3.275	0.675	4.849	1.2E-06	7.735E-06	Gm42549
ENSMUSG00000032065	177.273	3.273	0.318	10.295	7.4E-25	1.6954E-23	Tex12
ENSMUSG00000050394	309.054	3.268	0.349	9.356	8.2E-21	1.555E-19	Armex6
ENSMUSG00000027639	66926.318	3.263	0.202	16.143	1.3E-58	9.137E-57	Samhd1
ENSMUSG00000103845	22.881	3.261	1.014	3.215	1.3E-03	0.00506746	Gm19026
ENSMUSG00000079457	20.305	3.259	0.598	5.452	5.0E-08	3.6896E-07	Gm7609
ENSMUSG00000089716	11.546	3.254	0.867	3.752	1.8E-04	0.00080164	Gm6264
ENSMUSG00000038058	8274.818	3.253	0.170	19.190	4.5E-82	5.4377E-80	Nod1
ENSMUSG00000053044	37.578	3.252	0.793	4.100	4.1E-05	0.00020842	Cd8b1
ENSMUSG00000048905	34.548	3.250	1.087	2.989	2.8E-03	0.01015723	Bnip5
ENSMUSG00000047880	116.736	3.249	0.653	4.975	6.5E-07	4.1887E-06	Cxcr5
ENSMUSG00000012519	7422.656	3.247	0.191	16.999	8.4E-65	7.2173E-63	Mlkl
ENSMUSG00000013367	11.316	3.245	1.224	2.652	8.0E-03	0.02576281	Iglon5
ENSMUSG00000027314	48.751	3.235	0.900	3.595	3.2E-04	0.00140844	Dll4
ENSMUSG00000036381	3053.025	3.234	0.187	17.309	4.0E-67	3.6666E-65	P2ry14
ENSMUSG00000035356	10108.033	3.234	0.136	23.787	4.5E-125	1.516E-122	Nfkbiz
ENSMUSG00000090461	8.597	3.233	1.031	3.136	1.7E-03	0.00649942	Iltifb
ENSMUSG00000026536	9999.076	3.231	0.392	8.248	1.6E-16	2.3633E-15	Ifi211
ENSMUSG00000037406	716.757	3.226	0.228	14.179	1.2E-45	6.0246E-44	Htra4
ENSMUSG00000024789	5784.854	3.226	0.159	20.249	3.6E-91	5.5499E-89	Jak2

ENSMUSG00000025497	8.311	3.213	1.347	2.386	1.7E-02	0.04993267	Cdhr5
ENSMUSG00000020227	8768.218	3.207	0.093	34.487	1.3E-260	3.071E-257	Irak3
ENSMUSG00000067297	276.580	3.206	0.611	5.251	1.5E-07	1.0575E-06	Ifit1b12
ENSMUSG00000114670	40.526	3.204	0.801	4.000	6.3E-05	0.00031113	Gm18072
ENSMUSG00000054720	5496.715	3.203	0.162	19.767	5.7E-87	8.0059E-85	Lrrc8c
ENSMUSG00000110657	8.659	3.203	1.098	2.917	3.5E-03	0.0125027	Gm7684
ENSMUSG00000078144	24.106	3.203	0.814	3.933	8.4E-05	0.00040264	Capns2
ENSMUSG00000059089	16783.239	3.201	0.218	14.664	1.1E-48	5.7813E-47	Fcgr4
ENSMUSG00000044317	69.903	3.196	0.681	4.696	2.6E-06	1.586E-05	Gpr4
ENSMUSG00000022661	3357.404	3.196	0.133	24.110	2.0E-128	6.801E-126	Cd200
ENSMUSG00000030124	1154.768	3.196	0.219	14.612	2.4E-48	1.2375E-46	Lag3
ENSMUSG00000102270	60.849	3.193	0.543	5.879	4.1E-09	3.4438E-08	Gm8388
ENSMUSG00000031896	59.677	3.184	0.608	5.234	1.7E-07	1.1544E-06	Ctrl
ENSMUSG00000065601	39.538	3.182	0.484	6.567	5.1E-11	5.0192E-10	Mir146
ENSMUSG00000049488	1621.325	3.179	0.200	15.892	7.2E-57	4.8894E-55	Tmem67
ENSMUSG00000023132	20.559	3.177	1.073	2.961	3.1E-03	0.01102556	Gzma
ENSMUSG00000078349	1133.914	3.175	0.301	10.551	5.0E-26	1.1965E-24	AW011738
ENSMUSG00000078763	7920.156	3.171	0.558	5.685	1.3E-08	1.0323E-07	Slfn1
ENSMUSG00000026822	94568.656	3.170	0.178	17.790	8.4E-71	8.2151E-69	Lcn2
ENSMUSG00000038540	31.438	3.169	0.952	3.330	8.7E-04	0.0034789	Tmc3
ENSMUSG00000018899	20908.127	3.168	0.184	17.236	1.4E-66	1.2697E-64	Irf1
ENSMUSG00000114790	10.533	3.166	1.195	2.650	8.1E-03	0.02590995	4921509O07Rik
ENSMUSG00000026946	8680.485	3.165	0.188	16.796	2.6E-63	2.0966E-61	Nmi
ENSMUSG00000112894	19.375	3.163	0.812	3.898	9.7E-05	0.00046142	Gm47009
ENSMUSG00000026532	27.308	3.158	0.938	3.368	7.6E-04	0.00307298	Spta1
ENSMUSG00000117571	39.742	3.152	0.717	4.397	1.1E-05	6.0505E-05	4933433H22Rik
ENSMUSG00000069540	26.477	3.143	0.633	4.963	6.9E-07	4.4455E-06	Gm4925
ENSMUSG00000020357	141.404	3.139	0.620	5.066	4.1E-07	2.6733E-06	Flt4
ENSMUSG00000072553	74.972	3.134	0.501	6.257	3.9E-10	3.5873E-09	Gm525
ENSMUSG00000020905	14.803	3.128	1.074	2.911	3.6E-03	0.01271143	Usp43
ENSMUSG00000051844	12.018	3.127	1.151	2.716	6.6E-03	0.02182848	B230319C09Rik
ENSMUSG00000113494	10.848	3.126	1.058	2.954	3.1E-03	0.01123331	Gm48102
ENSMUSG00000097534	286.902	3.124	0.309	10.120	4.5E-24	9.9415E-23	Gm16675
ENSMUSG00000015377	692.740	3.124	0.301	10.371	3.4E-25	7.7306E-24	Dennd6b
ENSMUSG00000097006	626.855	3.119	0.223	14.014	1.3E-44	6.0644E-43	9530082P21Rik
ENSMUSG00000021364	29.030	3.112	0.778	4.003	6.3E-05	0.00030736	Elov12
ENSMUSG00000026548	3308.031	3.106	0.177	17.521	9.9E-69	9.3703E-67	Slamf9
ENSMUSG00000102882	36.378	3.103	0.842	3.686	2.3E-04	0.00101931	Gm2065
ENSMUSG00000037580	23668.284	3.099	0.191	16.210	4.3E-59	3.0605E-57	Gch1
ENSMUSG00000029605	781.462	3.098	0.412	7.518	5.6E-14	6.9007E-13	Oas1b
ENSMUSG00000031444	12525.815	3.097	0.142	21.807	2.0E-105	3.988E-103	F10
ENSMUSG00000113409	12.687	3.088	0.847	3.644	2.7E-04	0.0011866	Gm8288
ENSMUSG00000009585	11536.877	3.085	0.133	23.191	5.6E-119	1.564E-116	Apobec3
ENSMUSG00000030651	48.550	3.078	0.613	5.021	5.1E-07	3.3517E-06	Art2b
ENSMUSG00000034438	512.843	3.075	0.365	8.431	3.4E-17	5.2605E-16	Gbp8
ENSMUSG00000118410	17.635	3.066	0.976	3.140	1.7E-03	0.00640295	AC139347.1
ENSMUSG00000031488	4647.993	3.062	0.123	24.927	3.8E-137	1.459E-134	Rab11fip1
ENSMUSG00000055567	16.098	3.056	1.151	2.655	7.9E-03	0.02553903	Unc80
ENSMUSG00000045094	565.581	3.055	0.378	8.088	6.1E-16	8.5225E-15	Arhgef37
ENSMUSG00000085498	339.879	3.053	0.328	9.295	1.5E-20	2.7466E-19	Gm14023
ENSMUSG00000037944	2212.500	3.052	0.198	15.422	1.2E-53	7.0524E-52	Ccr7
ENSMUSG00000028599	97083.674	3.049	0.099	30.873	2.7E-209	2.869E-206	Tnfrsf1b

ENSMUSG00000072844	1246.214	3.039	0.203	14.937	1.9E-50	1.0598E-48	G530011O06Rik
ENSMUSG00000109488	4.913	3.035	1.072	2.831	4.6E-03	0.0159665	Gm6828
ENSMUSG00000085109	63.319	3.034	0.440	6.897	5.3E-12	5.6527E-11	Gm15356
ENSMUSG00000038352	7860.173	3.033	0.191	15.898	6.6E-57	4.4929E-55	Arl5c
ENSMUSG00000022586	4759.086	3.031	0.167	18.096	3.5E-73	3.5023E-71	Ly6i
ENSMUSG00000086866	37.013	3.024	0.609	4.963	6.9E-07	4.4455E-06	4930512H18Rik
ENSMUSG00000051379	709.622	3.023	0.204	14.808	1.3E-49	7.1802E-48	Flrt3
ENSMUSG00000079563	23.171	3.023	1.078	2.804	5.0E-03	0.0172259	Pglyrp2
ENSMUSG00000083392	6.610	3.020	1.070	2.821	4.8E-03	0.01642365	Gm6335
ENSMUSG00000115902	575.121	3.018	0.258	11.705	1.2E-31	3.6011E-30	D730005E14Rik
ENSMUSG00000098489	9.849	3.016	1.140	2.646	8.2E-03	0.02618701	Mir7678
ENSMUSG00000106227	68.520	3.016	0.485	6.215	5.1E-10	4.6142E-09	Gm43464
ENSMUSG00000021640	28.787	3.015	0.804	3.749	1.8E-04	0.0008099	Naip1
ENSMUSG00000026535	38.176	3.004	0.692	4.340	1.4E-05	7.7038E-05	Ifi202b
ENSMUSG00000060550	3526.437	3.001	0.331	9.079	1.1E-19	1.945E-18	H2-Q7
ENSMUSG00000030747	4957.300	3.000	0.190	15.779	4.3E-56	2.8472E-54	Dgat2
ENSMUSG00000090176	27.346	2.995	1.104	2.712	6.7E-03	0.02206032	Cd200r2
ENSMUSG00000032815	1015.774	2.995	0.215	13.940	3.6E-44	1.6828E-42	Fanca
ENSMUSG00000063268	9746.936	2.992	0.268	11.175	5.4E-29	1.4584E-27	Parp10
ENSMUSG00000032724	2281.438	2.990	0.230	13.015	1.0E-38	3.9636E-37	Abtb2
ENSMUSG00000032372	311.253	2.990	0.345	8.655	4.9E-18	7.9422E-17	Plscr2
ENSMUSG00000074151	4949.911	2.988	0.208	14.373	7.6E-47	3.812E-45	Nlrc5
ENSMUSG00000063142	4.120	2.987	1.245	2.400	1.6E-02	0.04837796	Kcnma1
ENSMUSG00000114980	82.850	2.985	0.634	4.707	2.5E-06	1.5118E-05	4933432I03Rik
ENSMUSG00000028266	12645.164	2.983	0.092	32.375	6.1E-230	8.125E-227	Lmo4
ENSMUSG00000066152	15083.653	2.981	0.115	26.014	3.4E-149	1.593E-146	Slc31a2
ENSMUSG00000056366	52.409	2.977	0.374	7.949	1.9E-15	2.5476E-14	Fabp3-ps1
ENSMUSG00000031927	201.722	2.977	0.358	8.325	8.4E-17	1.2593E-15	1700012B09Rik
ENSMUSG00000035355	67.523	2.975	0.554	5.372	7.8E-08	5.6288E-07	Kcnh4
ENSMUSG00000093672	48.026	2.973	0.770	3.860	1.1E-04	0.00053365	Gm20655
ENSMUSG00000053318	10221.974	2.972	0.159	18.732	2.7E-78	3.1096E-76	Slamf8
ENSMUSG00000053820	202.106	2.971	0.265	11.203	3.9E-29	1.0686E-27	Bcl2a1c
ENSMUSG00000109560	23.884	2.968	0.717	4.138	3.5E-05	0.00017816	Gm8463
ENSMUSG00000118021	11.909	2.967	1.110	2.674	7.5E-03	0.02433218	Gm50130
ENSMUSG00000022901	10831.626	2.966	0.199	14.884	4.2E-50	2.3248E-48	Cd86
ENSMUSG00000027646	3213.323	2.964	0.140	21.192	1.1E-99	1.9678E-97	Src
ENSMUSG00000060519	35481.983	2.963	0.305	9.707	2.8E-22	5.6973E-21	Tor3a
ENSMUSG00000046879	31796.016	2.962	0.372	7.959	1.7E-15	2.363E-14	Irgm1
ENSMUSG00000079018	95.994	2.960	0.458	6.470	9.8E-11	9.3948E-10	Ly6c1
ENSMUSG00000098050	1265.824	2.959	0.178	16.579	9.9E-62	7.6624E-60	Gm5345
ENSMUSG00000034266	3567.240	2.959	0.093	31.726	6.9E-221	8.708E-218	Batf
ENSMUSG00000071551	32.469	2.957	0.566	5.229	1.7E-07	1.1853E-06	Akr1c19
ENSMUSG00000017002	12968.747	2.953	0.186	15.867	1.1E-56	7.2506E-55	Slpi
ENSMUSG00000083834	109.368	2.951	0.337	8.751	2.1E-18	3.4934E-17	Gm12577
ENSMUSG00000029780	16304.164	2.951	0.169	17.468	2.5E-68	2.3453E-66	Nt5c3
ENSMUSG00000116549	30.266	2.949	0.806	3.660	2.5E-04	0.00112	Gm49728
ENSMUSG00000086196	81.516	2.948	0.776	3.799	1.5E-04	0.00067265	Gm13571
ENSMUSG00000051276	18.673	2.946	0.603	4.883	1.0E-06	6.5492E-06	Actrt2
ENSMUSG00000031297	43.379	2.945	0.851	3.462	5.4E-04	0.00223939	Slc7a3
ENSMUSG00000101024	19.179	2.945	0.690	4.266	2.0E-05	0.00010511	Gm5692
ENSMUSG00000020182	21.136	2.942	1.050	2.801	5.1E-03	0.01735672	Ddc
ENSMUSG00000037321	33510.307	2.939	0.261	11.257	2.1E-29	5.8921E-28	Tap1

ENSMUSG00000102269	7.444	2.939	0.926	3.172	1.5E-03	0.00580631	Gm7357
ENSMUSG00000050957	1979.821	2.938	0.190	15.489	4.1E-54	2.5677E-52	Ins16
ENSMUSG00000111337	64.042	2.934	0.408	7.194	6.3E-13	7.2509E-12	Gm6885
ENSMUSG00000070524	370.416	2.934	0.385	7.623	2.5E-14	3.1465E-13	Fer1b
ENSMUSG00000025888	20102.945	2.932	0.159	18.495	2.3E-76	2.4469E-74	Casp1
ENSMUSG00000090468	4.471	2.924	1.052	2.779	5.5E-03	0.01844271	Gm2840
ENSMUSG00000028039	16.150	2.922	0.972	3.006	2.6E-03	0.00964335	Efna3
ENSMUSG00000069874	10705.208	2.918	0.331	8.816	1.2E-18	1.9962E-17	Irgm2
ENSMUSG00000043629	10.910	2.917	1.209	2.413	1.6E-02	0.0468615	1700019D03Rik
ENSMUSG00000073529	476.250	2.916	0.349	8.358	6.4E-17	9.6256E-16	F830208F22Rik
ENSMUSG00000099470	207.066	2.915	0.424	6.878	6.1E-12	6.4165E-11	Gm29340
ENSMUSG00000028100	302.746	2.912	0.295	9.860	6.2E-23	1.2984E-21	Nudt17
ENSMUSG00000042349	14184.441	2.907	0.145	20.057	1.8E-89	2.6447E-87	Ikbke
ENSMUSG00000051910	7.487	2.899	1.073	2.702	6.9E-03	0.0226217	Sox6
ENSMUSG00000029603	61.685	2.899	0.929	3.119	1.8E-03	0.0068458	Dtx1
ENSMUSG00000082361	20.265	2.894	0.972	2.978	2.9E-03	0.01047761	Btc
ENSMUSG00000017009	141088.235	2.890	0.130	22.184	4.9E-109	1.064E-106	Sdc4
ENSMUSG00000029084	30127.643	2.888	0.106	27.189	8.8E-163	5.73E-160	Cd38
ENSMUSG00000115961	12.071	2.888	1.182	2.443	1.5E-02	0.04357214	Gm41409
ENSMUSG00000115338	5166.057	2.884	0.177	16.321	7.0E-60	5.1021E-58	Pnp
ENSMUSG00000053395	9.347	2.883	1.035	2.785	5.3E-03	0.01811743	Cacng8
ENSMUSG00000048621	2447.027	2.883	0.133	21.690	2.6E-104	5.053E-102	Gm6377
ENSMUSG00000032515	1269.367	2.883	0.228	12.626	1.5E-36	5.4987E-35	Csrnp1
ENSMUSG00000061561	4.829	2.881	1.108	2.601	9.3E-03	0.02932395	Olfir373
ENSMUSG00000097111	92.523	2.880	0.403	7.147	8.8E-13	9.9852E-12	Peak1os
ENSMUSG00000092277	149.204	2.876	0.289	9.938	2.9E-23	6.0707E-22	Gm19684
ENSMUSG00000097194	663.724	2.871	0.336	8.550	1.2E-17	1.9438E-16	9330175E14Rik
ENSMUSG00000037754	210.528	2.868	0.354	8.110	5.1E-16	7.1931E-15	Ppp1r16b
ENSMUSG00000036469	7023.213	2.868	0.132	21.772	4.2E-105	8.433E-103	Marchfl
ENSMUSG00000035373	61040.529	2.867	0.358	7.999	1.3E-15	1.7278E-14	Ccl7
ENSMUSG00000002307	19027.105	2.866	0.218	13.157	1.5E-39	6.248E-38	Daxx
ENSMUSG00000028362	147.474	2.866	0.648	4.425	9.7E-06	5.362E-05	Tnfsf8
ENSMUSG00000028773	1092.077	2.865	0.162	17.741	2.0E-70	1.9452E-68	Fabp3
ENSMUSG00000008393	6424.282	2.865	0.166	17.255	1.0E-66	9.2704E-65	Carhsp1
ENSMUSG00000117239	314.900	2.862	0.284	10.067	7.8E-24	1.6931E-22	Gpr31c
ENSMUSG00000099631	9.105	2.860	0.980	2.919	3.5E-03	0.01243343	Gm8641
ENSMUSG00000114055	251.369	2.856	0.235	12.172	4.4E-34	1.4547E-32	Gm32089
ENSMUSG00000001168	8.452	2.854	1.179	2.421	1.5E-02	0.04590674	Oas1h
ENSMUSG00000028885	995.598	2.849	0.198	14.390	6.0E-47	3.0113E-45	Smpd13b
ENSMUSG00000037921	11911.034	2.845	0.465	6.125	9.1E-10	8.0208E-09	Ddx60
ENSMUSG00000044434	113.277	2.845	0.275	10.347	4.3E-25	9.8572E-24	Gm9791
ENSMUSG00000029009	9866.910	2.844	0.282	10.070	7.5E-24	1.6365E-22	Mthfr
ENSMUSG00000048251	34.338	2.844	0.928	3.066	2.2E-03	0.00806794	Bcl11b
ENSMUSG00000089791	5.061	2.837	1.033	2.746	6.0E-03	0.02014509	Gm3555
ENSMUSG00000025324	1826.042	2.836	0.197	14.405	4.8E-47	2.4468E-45	Atp10a
ENSMUSG00000025225	15232.532	2.834	0.120	23.523	2.4E-122	7.66E-120	Nfkb2
ENSMUSG00000082744	17.121	2.833	0.719	3.941	8.1E-05	0.00039055	Gm15625
ENSMUSG00000028480	7765.075	2.832	0.145	19.522	7.1E-85	9.2299E-83	Glipr2
ENSMUSG00000117008	12.845	2.831	1.046	2.706	6.8E-03	0.02239418	Gm49817
ENSMUSG00000033470	481.934	2.831	0.287	9.877	5.2E-23	1.1033E-21	Cysltr2
ENSMUSG00000000184	13037.951	2.827	0.108	26.254	6.4E-152	3.23E-149	Ccnd2
ENSMUSG00000000957	38104.275	2.826	0.107	26.298	2.0E-152	1.051E-149	Mmp14

ENSMUSG0000005364	45.790	2.825	0.627	4.509	6.5E-06	3.7017E-05	Il5ra
ENSMUSG00000079455	20.036	2.824	0.575	4.908	9.2E-07	5.8116E-06	Gm16026
ENSMUSG00000062310	154.064	2.822	0.498	5.663	1.5E-08	1.1646E-07	Glrp1
ENSMUSG00000062960	516.213	2.820	0.252	11.201	4.0E-29	1.0951E-27	Kdr
ENSMUSG00000069844	2471.935	2.819	0.185	15.253	1.6E-52	9.372E-51	Sco1
ENSMUSG00000044309	785.061	2.814	0.203	13.839	1.5E-43	6.6834E-42	Apol7c
ENSMUSG00000050919	66.248	2.814	0.777	3.623	2.9E-04	0.00127888	Zfp366
ENSMUSG00000084143	10.648	2.812	1.067	2.635	8.4E-03	0.02693809	Gm13400
ENSMUSG00000081650	50.078	2.808	0.515	5.448	5.1E-08	3.7677E-07	Gm16181
ENSMUSG00000009376	2408.387	2.807	0.181	15.543	1.8E-54	1.1044E-52	Met
ENSMUSG00000097077	212.398	2.807	0.300	9.359	8.0E-21	1.5162E-19	Gm16712
ENSMUSG00000019850	15553.224	2.806	0.133	21.038	2.9E-98	5.0242E-96	Tnfaip3
ENSMUSG00000027078	18307.313	2.804	0.295	9.507	2.0E-21	3.8223E-20	Ube2l6
ENSMUSG00000030109	164.168	2.800	0.525	5.329	9.9E-08	7.0685E-07	Slc6a12
ENSMUSG00000034485	559.465	2.797	0.327	8.557	1.2E-17	1.8405E-16	Uaca
ENSMUSG00000021025	79496.173	2.797	0.081	34.631	8.6E-263	2.309E-259	Nfkbia
ENSMUSG00000031494	22.542	2.795	1.118	2.501	1.2E-02	0.03777277	Cd209a
ENSMUSG00000030187	1020.769	2.793	0.189	14.740	3.6E-49	1.9453E-47	Klra2
ENSMUSG00000040296	13833.729	2.792	0.374	7.474	7.8E-14	9.5449E-13	Ddx58
ENSMUSG00000008496	3259.478	2.792	0.147	18.944	5.0E-80	5.8139E-78	Pou2f2
ENSMUSG00000048534	323.150	2.791	0.426	6.547	5.9E-11	5.735E-10	Jaml
ENSMUSG00000080892	4.997	2.788	1.129	2.469	1.4E-02	0.04083085	Gm9266
ENSMUSG00000000791	1037.668	2.780	0.304	9.136	6.5E-20	1.17E-18	Il12rb1
ENSMUSG00000031652	7021.529	2.779	0.124	22.500	4.1E-112	9.591E-110	N4bp1
ENSMUSG00000018500	9072.022	2.778	0.122	22.823	2.7E-115	7.063E-113	Adora2b
ENSMUSG00000073555	7195.924	2.777	0.540	5.140	2.7E-07	1.855E-06	Gm4951
ENSMUSG00000003283	38723.430	2.776	0.121	22.958	1.2E-116	3.289E-114	Hck
ENSMUSG00000097305	27.454	2.776	0.662	4.195	2.7E-05	0.00014133	Gm17276
ENSMUSG00000026893	2326.068	2.776	0.130	21.279	1.8E-100	3.2321E-98	Gca
ENSMUSG00000042333	1377.980	2.775	0.159	17.477	2.1E-68	2.0108E-66	Tnfrsf14
ENSMUSG00000106990	1012.389	2.775	0.191	14.564	4.8E-48	2.4703E-46	Gm42547
ENSMUSG00000106959	164.192	2.775	0.554	5.009	5.5E-07	3.5572E-06	Gm42548
ENSMUSG00000104969	339.825	2.774	0.236	11.738	8.1E-32	2.4479E-30	Gm43445
ENSMUSG00000086860	11.534	2.772	0.930	2.979	2.9E-03	0.01046251	Gm1720
ENSMUSG00000087684	99.974	2.768	0.458	6.050	1.5E-09	1.2596E-08	1200007C13Rik
ENSMUSG00000031595	76.720	2.768	0.775	3.573	3.5E-04	0.0015219	Pdgfrl
ENSMUSG00000099775	309.701	2.765	0.276	10.004	1.5E-23	3.1691E-22	Gm5960
ENSMUSG00000060509	292.425	2.764	0.325	8.492	2.0E-17	3.1631E-16	Xcr1
ENSMUSG00000095620	36.259	2.763	0.496	5.570	2.6E-08	1.9489E-07	Csta2
ENSMUSG00000002227	6471.341	2.762	0.348	7.940	2.0E-15	2.7373E-14	Mov10
ENSMUSG00000051504	524.669	2.761	0.192	14.374	7.6E-47	3.774E-45	Siglech
ENSMUSG00000022876	6362.477	2.758	0.089	30.868	3.2E-209	3.197E-206	Samsn1
ENSMUSG00000036912	78.717	2.758	0.766	3.600	3.2E-04	0.00138513	Piwil4
ENSMUSG00000114235	25.254	2.754	0.721	3.822	1.3E-04	0.00061714	F530104D19Rik
ENSMUSG00000106976	38.019	2.754	0.851	3.236	1.2E-03	0.00472823	Gm42963
ENSMUSG00000039200	10.241	2.752	1.153	2.388	1.7E-02	0.04969834	Atf7ip2
ENSMUSG00000040483	14880.930	2.752	0.375	7.329	2.3E-13	2.767E-12	Xaf1
ENSMUSG00000038132	14.271	2.750	1.098	2.504	1.2E-02	0.03748382	Rbm24
ENSMUSG00000102374	25.440	2.747	0.695	3.953	7.7E-05	0.00037313	Gm38387
ENSMUSG00000078153	1255.073	2.744	0.168	16.324	6.7E-60	4.9456E-58	Psme2b
ENSMUSG00000020134	15464.521	2.742	0.126	21.844	8.9E-106	1.813E-103	Peli1
ENSMUSG00000117922	14.612	2.741	1.126	2.434	1.5E-02	0.04445673	Gm50397

ENSMUSG00000032278	40.907	2.741	0.547	5.007	5.5E-07	3.5751E-06	Paqr5
ENSMUSG00000029392	1951.572	2.739	0.217	12.634	1.4E-36	4.9666E-35	Rilpl1
ENSMUSG00000032596	7634.128	2.738	0.216	12.692	6.6E-37	2.4261E-35	Uba7
ENSMUSG00000106734	7310.713	2.735	0.330	8.286	1.2E-16	1.7346E-15	Gm20559
ENSMUSG00000021725	2415.376	2.734	0.158	17.332	2.7E-67	2.4665E-65	Parp8
ENSMUSG00000103457	34.567	2.734	0.679	4.026	5.7E-05	0.00028087	Gm37042
ENSMUSG00000058046	87.211	2.734	0.428	6.390	1.7E-10	1.5681E-09	4933430I17Rik
ENSMUSG00000085152	16.157	2.732	0.773	3.534	4.1E-04	0.00174733	Gm11496
ENSMUSG00000091191	1767.822	2.724	0.221	12.343	5.3E-35	1.8178E-33	Gm17334
ENSMUSG00000046748	27.833	2.719	1.114	2.441	1.5E-02	0.0437167	Tmem45a2
ENSMUSG00000031897	23656.888	2.718	0.119	22.914	3.4E-116	8.855E-114	Psmb10
ENSMUSG00000020057	8578.408	2.716	0.122	22.287	4.9E-110	1.1E-107	Dram1
ENSMUSG00000015312	16563.720	2.714	0.146	18.638	1.6E-77	1.7707E-75	Gadd45b
ENSMUSG00000104876	22.291	2.712	1.096	2.474	1.3E-02	0.04035678	Trdc
ENSMUSG00000108332	6.734	2.710	0.936	2.895	3.8E-03	0.01331079	D530033B14Rik
ENSMUSG00000097149	17.717	2.706	0.919	2.944	3.2E-03	0.01159392	G630030J09Rik
ENSMUSG00000103907	41.596	2.706	0.747	3.623	2.9E-04	0.00127793	Gm37498
ENSMUSG00000086589	9.279	2.704	1.034	2.614	8.9E-03	0.02836057	Gm12915
ENSMUSG00000030203	2352.722	2.692	0.117	22.969	9.4E-117	2.578E-114	Dusp16
ENSMUSG00000076441	10673.222	2.692	0.169	15.910	5.4E-57	3.7302E-55	Ass1
ENSMUSG00000022548	100.229	2.690	0.516	5.216	1.8E-07	1.2659E-06	Apod
ENSMUSG00000025059	3546.392	2.683	0.138	19.439	3.6E-84	4.5572E-82	Gk
ENSMUSG00000035208	11674.918	2.681	0.384	6.977	3.0E-12	3.2768E-11	Slnf8
ENSMUSG00000040405	32.666	2.678	0.849	3.153	1.6E-03	0.00616184	Havcr1
ENSMUSG00000102055	19.641	2.675	0.657	4.068	4.7E-05	0.00023708	Gm28913
ENSMUSG00000024164	19259.649	2.674	0.102	26.269	4.3E-152	2.199E-149	C3
ENSMUSG00000027827	192.754	2.672	0.290	9.199	3.6E-20	6.5551E-19	Kcnab1
ENSMUSG00000066861	7114.514	2.672	0.366	7.300	2.9E-13	3.4028E-12	Oas1g
ENSMUSG00000037991	228.440	2.671	0.334	7.990	1.4E-15	1.8551E-14	Rmi2
ENSMUSG00000054892	99.475	2.670	0.530	5.036	4.8E-07	3.1064E-06	Txk
ENSMUSG00000037731	22962.169	2.669	0.213	12.542	4.4E-36	1.5745E-34	Themis2
ENSMUSG00000025887	506.889	2.665	0.270	9.869	5.7E-23	1.1968E-21	Casp12
ENSMUSG00000118258	49.492	2.662	0.579	4.596	4.3E-06	2.5101E-05	Gm19076
ENSMUSG00000085771	158.162	2.662	0.423	6.291	3.1E-10	2.9062E-09	C230066G23Rik
ENSMUSG00000030162	1583.817	2.659	0.213	12.469	1.1E-35	3.8645E-34	Olr1
ENSMUSG00000115160	4.560	2.658	1.020	2.604	9.2E-03	0.02906541	Gm6532
ENSMUSG00000050533	46.410	2.650	0.459	5.768	8.0E-09	6.4436E-08	Gm9845
ENSMUSG00000056290	669.598	2.648	0.242	10.939	7.5E-28	1.941E-26	Ms4a4b
ENSMUSG00000096727	15111.486	2.644	0.173	15.305	7.1E-53	4.2484E-51	Psmb9
ENSMUSG00000002797	1436.136	2.643	0.128	20.590	3.3E-94	5.3636E-92	Gget
ENSMUSG00000024472	3712.308	2.642	0.190	13.935	3.9E-44	1.795E-42	Dcp2
ENSMUSG00000031428	34.182	2.640	1.102	2.396	1.7E-02	0.04879443	Zcchc18
ENSMUSG00000091573	11.930	2.637	1.035	2.547	1.1E-02	0.03368659	Serpina3d-ps
ENSMUSG00000022584	44001.916	2.633	0.106	24.897	8.1E-137	3.072E-134	Ly6c2
ENSMUSG00000104985	14.200	2.632	0.730	3.607	3.1E-04	0.00135235	Gm42917
ENSMUSG00000045868	205.956	2.631	0.313	8.411	4.1E-17	6.2033E-16	Gvin1
ENSMUSG00000024014	7064.345	2.627	0.137	19.203	3.5E-82	4.2786E-80	Pim1
ENSMUSG00000079499	1367.570	2.626	0.181	14.472	1.8E-47	9.3475E-46	6530402F18Rik
ENSMUSG00000096883	41.733	2.624	0.821	3.196	1.4E-03	0.00537977	Shisa8
ENSMUSG00000082057	13.528	2.624	1.084	2.421	1.5E-02	0.04594777	Gm15789
ENSMUSG00000075602	22006.743	2.623	0.534	4.911	9.1E-07	5.7435E-06	Ly6a
ENSMUSG00000055413	2891.360	2.623	0.244	10.733	7.1E-27	1.7524E-25	H2-Q5

ENSMUSG00000038213	5582.735	2.623	0.131	20.023	3.4E-89	5.0711E-87	Tapbp1
ENSMUSG00000026656	22597.505	2.619	0.100	26.147	1.1E-150	5.134E-148	Fcgr2b
ENSMUSG00000047735	11526.506	2.614	0.272	9.622	6.5E-22	1.286E-20	Samd9l
ENSMUSG00000039232	9074.622	2.611	0.134	19.557	3.6E-85	4.7483E-83	Stx11
ENSMUSG00000026821	7654.760	2.611	0.146	17.898	1.2E-71	1.2041E-69	Ralgds
ENSMUSG00000024679	58596.040	2.610	0.123	21.258	2.8E-100	5.0947E-98	Ms4a6d
ENSMUSG00000045322	188.968	2.606	0.575	4.529	5.9E-06	3.382E-05	Tlr9
ENSMUSG00000038668	2936.812	2.605	0.147	17.736	2.2E-70	2.135E-68	Lpar1
ENSMUSG00000082534	9.192	2.602	0.938	2.774	5.5E-03	0.01868766	Gm13712
ENSMUSG00000043323	2462.239	2.601	0.408	6.375	1.8E-10	1.7201E-09	Fbrs1l
ENSMUSG00000063286	12376.475	2.600	0.173	15.024	5.1E-51	2.9057E-49	Gvin-ps7
ENSMUSG00000022014	9486.962	2.600	0.283	9.181	4.3E-20	7.7306E-19	Epsti1
ENSMUSG00000043340	61.903	2.599	0.586	4.439	9.0E-06	5.0473E-05	6530409C15Rik
ENSMUSG00000035385	34004.653	2.598	0.183	14.170	1.4E-45	6.7957E-44	Ccl2
ENSMUSG00000036019	169.529	2.597	0.413	6.285	3.3E-10	3.0264E-09	Tmtc2
ENSMUSG00000041449	21.412	2.596	0.830	3.125	1.8E-03	0.00670592	Serpina3h
ENSMUSG00000047048	27.237	2.594	0.973	2.666	7.7E-03	0.02484002	Olf432
ENSMUSG00000025429	4109.219	2.590	0.096	27.065	2.5E-161	1.566E-158	Pstpip2
ENSMUSG00000068227	526.513	2.588	0.355	7.297	2.9E-13	3.484E-12	Il2rb
ENSMUSG00000050844	14.336	2.588	1.084	2.387	1.7E-02	0.04981284	1700020N01Rik
ENSMUSG00000045827	3443.069	2.587	0.179	14.480	1.6E-47	8.3531E-46	Serpib9
ENSMUSG0000009569	36.177	2.586	0.700	3.692	2.2E-04	0.00099439	Gm18301
ENSMUSG00000018569	27.635	2.586	1.019	2.537	1.1E-02	0.03451757	Cldn7
ENSMUSG00000019082	11554.681	2.584	0.185	13.994	1.7E-44	7.9168E-43	Slc25a22
ENSMUSG00000114380	15.400	2.582	0.563	4.583	4.6E-06	2.6574E-05	Gm47942
ENSMUSG00000050578	53741.490	2.582	0.201	12.864	7.2E-38	2.7479E-36	Mmp13
ENSMUSG00000026104	9641.419	2.580	0.328	7.859	3.9E-15	5.187E-14	Stat1
ENSMUSG00000026031	12466.494	2.577	0.105	24.545	4.9E-133	1.803E-130	Cflar
ENSMUSG00000030137	543.489	2.575	0.290	8.885	6.4E-19	1.0877E-17	Tuba8
ENSMUSG00000039470	124.715	2.572	0.500	5.149	2.6E-07	1.7749E-06	Zdhhc2
ENSMUSG00000025911	187.573	2.572	0.316	8.136	4.1E-16	5.8497E-15	Adhfe1
ENSMUSG00000101144	17.755	2.572	0.942	2.732	6.3E-03	0.02091642	Gm29054
ENSMUSG00000037997	4245.795	2.571	0.218	11.781	4.9E-32	1.5076E-30	Parp1l
ENSMUSG00000036446	55.082	2.569	0.547	4.695	2.7E-06	1.5966E-05	Lum
ENSMUSG00000021614	2214.257	2.567	0.215	11.954	6.2E-33	1.981E-31	Vcan
ENSMUSG00000020395	136.807	2.566	0.396	6.478	9.3E-11	8.9284E-10	Itk
ENSMUSG00000059921	65.986	2.565	0.613	4.184	2.9E-05	0.00014777	Unc5c
ENSMUSG00000065591	6.013	2.564	1.065	2.408	1.6E-02	0.04730784	Gm22753
ENSMUSG00000032727	4411.320	2.564	0.158	16.222	3.6E-59	2.5559E-57	Mier3
ENSMUSG00000103219	84.958	2.563	0.337	7.610	2.7E-14	3.4599E-13	Gm37787
ENSMUSG00000030200	52.655	2.556	0.963	2.653	8.0E-03	0.02570871	Bcl2l14
ENSMUSG00000020785	185.791	2.555	0.398	6.424	1.3E-10	1.261E-09	Camkk1
ENSMUSG00000028859	9783.781	2.554	0.122	20.970	1.2E-97	2.092E-95	Csf3r
ENSMUSG00000094724	142.797	2.554	0.305	8.371	5.7E-17	8.6323E-16	Rnaset2b
ENSMUSG00000015968	1013.861	2.553	0.279	9.144	6.0E-20	1.0875E-18	Cacna1d
ENSMUSG00000038305	122.209	2.553	0.541	4.717	2.4E-06	1.4409E-05	Spats2l
ENSMUSG00000031292	64.590	2.552	0.417	6.115	9.6E-10	8.4827E-09	Cdkl5
ENSMUSG00000028894	5699.974	2.549	0.170	14.970	1.2E-50	6.5157E-49	Inpp5b
ENSMUSG00000026573	41.874	2.548	0.651	3.915	9.0E-05	0.00043209	Xcl1
ENSMUSG00000067610	13.716	2.547	0.982	2.594	9.5E-03	0.02980877	Klri1
ENSMUSG00000053101	5417.459	2.545	0.163	15.655	3.1E-55	1.9807E-53	Gpr14l
ENSMUSG00000046080	49.392	2.542	0.770	3.301	9.6E-04	0.00383203	Clec9a

ENSMUSG00000022218	206.565	2.537	0.378	6.719	1.8E-11	1.8641E-10	Tgml
ENSMUSG00000039783	193.003	2.536	0.695	3.651	2.6E-04	0.00115764	Kmo
ENSMUSG00000040033	18176.400	2.527	0.332	7.615	2.6E-14	3.3352E-13	Stat2
ENSMUSG00000034730	18.693	2.521	0.912	2.762	5.7E-03	0.01925395	Adgrb1
ENSMUSG00000062082	2335.572	2.519	0.162	15.576	1.1E-54	6.6807E-53	Cd200r4
ENSMUSG00000082088	310.639	2.519	0.217	11.633	2.8E-31	8.287E-30	Gm15753
ENSMUSG00000035458	24.544	2.518	0.826	3.049	2.3E-03	0.00848066	Tnni3
ENSMUSG00000062345	5228.435	2.516	0.290	8.662	4.6E-18	7.5156E-17	Serpinb2
ENSMUSG00000044244	95.785	2.511	0.465	5.397	6.8E-08	4.9447E-07	Il20rb
ENSMUSG00000118008	13.829	2.511	0.672	3.739	1.8E-04	0.00083823	Gm36913
ENSMUSG00000027669	5626.451	2.510	0.134	18.730	2.8E-78	3.195E-76	Gnb4
ENSMUSG00000038507	19606.620	2.508	0.216	11.588	4.8E-31	1.3964E-29	Parp12
ENSMUSG00000021997	44.023	2.507	0.599	4.185	2.8E-05	0.00014689	Lrrc63
ENSMUSG00000034422	8621.796	2.506	0.331	7.573	3.7E-14	4.5719E-13	Parp14
ENSMUSG00000026073	539.983	2.505	0.273	9.186	4.1E-20	7.3989E-19	Il1r2
ENSMUSG00000056145	352.558	2.504	0.317	7.895	2.9E-15	3.9181E-14	AI504432
ENSMUSG00000107928	8.385	2.502	0.927	2.700	6.9E-03	0.02275436	Gm45140
ENSMUSG00000106254	18.165	2.499	0.704	3.548	3.9E-04	0.00166449	Gm42907
ENSMUSG00000106962	125.416	2.496	0.414	6.023	1.7E-09	1.4749E-08	Gm43633
ENSMUSG00000027580	6219.417	2.496	0.328	7.617	2.6E-14	3.2739E-13	Helz2
ENSMUSG00000035493	21055.561	2.493	0.134	18.584	4.4E-77	4.8014E-75	Tgfbf1
ENSMUSG00000028965	463.488	2.490	0.298	8.363	6.1E-17	9.2348E-16	Tnfrsf9
ENSMUSG00000081769	377.401	2.486	0.186	13.347	1.2E-40	5.1293E-39	Gm12216
ENSMUSG00000032000	5358.438	2.483	0.130	19.167	6.9E-82	8.3152E-80	Birc3
ENSMUSG00000054598	120.119	2.482	0.502	4.950	7.4E-07	4.74E-06	9130230L23Rik
ENSMUSG00000027832	3125.484	2.481	0.146	16.993	9.2E-65	7.8714E-63	Ptx3
ENSMUSG00000024772	53173.010	2.480	0.097	25.582	2.4E-144	1.048E-141	Ehd1
ENSMUSG00000032691	6364.068	2.480	0.125	19.777	4.7E-87	6.6132E-85	Nlrp3
ENSMUSG00000079197	22554.033	2.478	0.110	22.440	1.6E-111	3.672E-109	Psme2
ENSMUSG00000070034	6632.234	2.476	0.208	11.910	1.0E-32	3.3044E-31	Sp110
ENSMUSG00000047067	897.552	2.475	0.186	13.287	2.7E-40	1.1287E-38	Dusp28
ENSMUSG00000117074	232.994	2.474	0.289	8.562	1.1E-17	1.7593E-16	Gm49925
ENSMUSG00000054580	122.163	2.472	0.441	5.599	2.2E-08	1.6571E-07	Pla2r1
ENSMUSG00000041736	60560.610	2.472	0.121	20.508	1.8E-93	2.8744E-91	Tspo
ENSMUSG00000029648	300.132	2.471	0.397	6.220	5.0E-10	4.4786E-09	Flt1
ENSMUSG00000107215	39.184	2.468	0.657	3.759	1.7E-04	0.00078065	Gm43197
ENSMUSG00000111713	38.082	2.468	0.603	4.091	4.3E-05	0.00021601	Gm20234
ENSMUSG00000097558	56.375	2.468	0.613	4.023	5.7E-05	0.00028421	Gm26902
ENSMUSG00000020599	80.434	2.467	0.348	7.089	1.4E-12	1.5099E-11	Rgs9
ENSMUSG00000030595	14097.895	2.462	0.126	19.605	1.4E-85	1.8585E-83	Nfkbib
ENSMUSG00000042256	68.639	2.462	0.810	3.039	2.4E-03	0.0087222	Ptchd4
ENSMUSG00000068631	36.601	2.459	0.482	5.106	3.3E-07	2.1944E-06	Gm7676
ENSMUSG00000035934	25.137	2.457	1.028	2.389	1.7E-02	0.04956901	Pknox2
ENSMUSG00000028214	1063.468	2.457	0.220	11.187	4.7E-29	1.2799E-27	Gem
ENSMUSG00000053835	4532.715	2.456	0.321	7.661	1.8E-14	2.342E-13	H2-T24
ENSMUSG00000037860	1795.908	2.454	0.172	14.279	3.0E-46	1.4529E-44	Aim2
ENSMUSG00000054822	60.270	2.453	0.770	3.187	1.4E-03	0.00553224	1700041G16Rik
ENSMUSG00000030560	158879.838	2.452	0.132	18.605	2.9E-77	3.2672E-75	Ctsc
ENSMUSG00000051748	5618.674	2.450	0.215	11.417	3.5E-30	9.8241E-29	Wfdc21
ENSMUSG00000115946	133.888	2.447	0.359	6.818	9.2E-12	9.6209E-11	Mirt2
ENSMUSG00000107723	15.842	2.447	0.613	3.991	6.6E-05	0.00032277	Gm43964
ENSMUSG00000052485	4352.611	2.446	0.231	10.596	3.1E-26	7.4749E-25	Tmem171

ENSMUSG00000097166	17.390	2.446	0.988	2.476	1.3E-02	0.04016908	9330179D12Rik
ENSMUSG00000022906	7634.284	2.438	0.288	8.481	2.2E-17	3.4501E-16	Parp9
ENSMUSG00000097439	61.395	2.436	0.488	4.995	5.9E-07	3.7987E-06	Gm16754
ENSMUSG00000054728	110.673	2.432	0.334	7.272	3.5E-13	4.1532E-12	Phactr1
ENSMUSG00000031628	6673.910	2.430	0.149	16.352	4.2E-60	3.1243E-58	Casp3
ENSMUSG00000032661	17232.195	2.428	0.477	5.087	3.6E-07	2.4192E-06	Oas3
ENSMUSG00000102606	13.214	2.427	0.804	3.020	2.5E-03	0.00924759	Rpl21-ps1
ENSMUSG00000031155	895.263	2.427	0.261	9.293	1.5E-20	2.7913E-19	Pim2
ENSMUSG00000051727	99.206	2.426	0.562	4.317	1.6E-05	8.4844E-05	Kctd14
ENSMUSG00000070997	45.104	2.426	0.614	3.953	7.7E-05	0.00037308	1700055D18Rik
ENSMUSG00000043432	1109.061	2.425	0.215	11.269	1.9E-29	5.1949E-28	Leng9
ENSMUSG00000096351	25.657	2.423	1.015	2.387	1.7E-02	0.04982334	Samd11
ENSMUSG00000044576	68.583	2.422	0.447	5.417	6.1E-08	4.4513E-07	Garem2
ENSMUSG00000106108	26.019	2.408	0.949	2.538	1.1E-02	0.03446761	Gm43221
ENSMUSG00000049892	177.167	2.405	0.461	5.212	1.9E-07	1.2906E-06	Rasd1
ENSMUSG00000094347	15.180	2.402	0.658	3.653	2.6E-04	0.00115023	Olfir784
ENSMUSG00000073489	30473.048	2.401	0.343	6.994	2.7E-12	2.9296E-11	Ifi204
ENSMUSG00000045065	194.318	2.401	0.260	9.224	2.9E-20	5.2198E-19	9930022D16Rik
ENSMUSG00000027737	12844.707	2.400	0.176	13.611	3.4E-42	1.5208E-40	Slc7a11
ENSMUSG00000044162	26085.122	2.398	0.158	15.208	3.1E-52	1.8246E-50	Tnip3
ENSMUSG00000026482	14246.008	2.398	0.142	16.830	1.5E-63	1.2015E-61	Rgl1
ENSMUSG00000071640	30.392	2.397	0.521	4.604	4.2E-06	2.4269E-05	Stxbp3-ps
ENSMUSG00000013415	76.377	2.397	0.487	4.917	8.8E-07	5.5667E-06	Igf2bp1
ENSMUSG00000047509	9.782	2.395	0.763	3.141	1.7E-03	0.00639059	Gm6776
ENSMUSG00000000983	62.717	2.395	0.456	5.252	1.5E-07	1.0529E-06	Wfdc18
ENSMUSG00000000409	263.826	2.394	0.422	5.668	1.4E-08	1.135E-07	Lck
ENSMUSG00000039697	3861.295	2.390	0.138	17.266	8.5E-67	7.6358E-65	Ncoa7
ENSMUSG00000048216	1206.214	2.381	0.183	13.037	7.5E-39	2.9696E-37	Gpr85
ENSMUSG00000036986	8276.633	2.378	0.211	11.269	1.9E-29	5.1841E-28	Pml
ENSMUSG00000024339	7305.169	2.378	0.132	18.040	9.5E-73	9.5454E-71	Tap2
ENSMUSG00000032690	5220.321	2.375	0.362	6.559	5.4E-11	5.3007E-10	Oas2
ENSMUSG00000046207	3312.266	2.374	0.148	16.072	4.0E-58	2.8387E-56	Pik3r6
ENSMUSG00000031792	13973.029	2.374	0.143	16.578	1.0E-61	7.708E-60	Usb1
ENSMUSG00000001123	53099.209	2.372	0.165	14.395	5.5E-47	2.7892E-45	Lgals9
ENSMUSG00000080316	301.157	2.370	0.220	10.766	5.0E-27	1.2401E-25	Spaca6
ENSMUSG00000021367	969.466	2.370	0.218	10.885	1.4E-27	3.4525E-26	Edn1
ENSMUSG00000053175	9503.355	2.370	0.143	16.531	2.2E-61	1.6824E-59	Bcl3
ENSMUSG00000096957	174.520	2.370	0.342	6.922	4.4E-12	4.7609E-11	E230013L22Rik
ENSMUSG00000010358	12439.890	2.369	0.260	9.116	7.8E-20	1.4009E-18	Ifi35
ENSMUSG00000027776	439.142	2.364	0.287	8.223	2.0E-16	2.8898E-15	Il12a
ENSMUSG00000039891	52.330	2.362	0.843	2.801	5.1E-03	0.01736248	Txlnb
ENSMUSG00000026131	3123.051	2.360	0.140	16.884	5.9E-64	4.9474E-62	Dst
ENSMUSG00000087175	63.082	2.359	0.384	6.137	8.4E-10	7.4651E-09	Gm15133
ENSMUSG00000078606	253.496	2.359	0.300	7.862	3.8E-15	5.0361E-14	Gvin2
ENSMUSG00000074628	14.273	2.356	0.824	2.859	4.2E-03	0.01473937	Tldc2
ENSMUSG00000085279	36.107	2.349	0.669	3.511	4.5E-04	0.00188619	Gm15965
ENSMUSG00000024737	12310.320	2.345	0.147	15.914	5.1E-57	3.5021E-55	Slc15a3
ENSMUSG00000066364	183.238	2.344	0.519	4.518	6.2E-06	3.5644E-05	Serpina3b
ENSMUSG00000049659	10851.913	2.344	0.155	15.086	2.0E-51	1.1618E-49	Aftph
ENSMUSG00000044288	63.710	2.341	0.870	2.692	7.1E-03	0.0231754	Cnr1
ENSMUSG00000018459	1818.765	2.340	0.154	15.237	2.0E-52	1.1873E-50	Slc13a3
ENSMUSG00000033581	3154.025	2.339	0.173	13.548	8.1E-42	3.5163E-40	Igf2bp2

ENSMUSG00000034640	9706.336	2.339	0.139	16.888	5.5E-64	4.602E-62	Tiparp
ENSMUSG00000003206	4474.273	2.339	0.138	16.999	8.4E-65	7.2173E-63	Ebi3
ENSMUSG00000066456	1079.633	2.338	0.192	12.164	4.8E-34	1.5981E-32	Hmgn3
ENSMUSG00000039841	4240.906	2.335	0.128	18.257	1.8E-74	1.9089E-72	Zfp800
ENSMUSG00000052776	19234.484	2.334	0.320	7.291	3.1E-13	3.6275E-12	Oas1a
ENSMUSG00000058818	21324.898	2.334	0.108	21.617	1.2E-103	2.413E-101	Pirb
ENSMUSG00000019699	1394.818	2.334	0.174	13.375	8.5E-41	3.5681E-39	Akt3
ENSMUSG00000024308	83888.738	2.332	0.115	20.197	1.0E-90	1.5802E-88	Tapbp
ENSMUSG00000035000	162.469	2.325	0.502	4.630	3.7E-06	2.1506E-05	Dpp4
ENSMUSG00000021125	1334.730	2.323	0.295	7.864	3.7E-15	4.9935E-14	Arg2
ENSMUSG00000091971	1942.946	2.321	0.166	13.963	2.6E-44	1.2208E-42	Hspa1a
ENSMUSG00000023243	43.471	2.320	0.909	2.552	1.1E-02	0.03327447	Kcnk5
ENSMUSG00000117999	5.951	2.316	0.969	2.392	1.7E-02	0.04926618	Gm18217
ENSMUSG00000033066	27438.779	2.316	0.101	22.915	3.3E-116	8.758E-114	Gas7
ENSMUSG00000086755	42.508	2.316	0.587	3.947	7.9E-05	0.00038193	Gm11216
ENSMUSG00000111639	33.699	2.315	0.765	3.026	2.5E-03	0.0090721	1700019L13Rik
ENSMUSG00000027995	14444.101	2.314	0.167	13.819	2.0E-43	8.8339E-42	Tlr2
ENSMUSG00000024793	55.398	2.313	0.752	3.077	2.1E-03	0.00777561	Tnfrsf25
ENSMUSG00000103596	102.166	2.312	0.524	4.412	1.0E-05	5.667E-05	Gm37354
ENSMUSG00000048186	81.008	2.311	0.678	3.409	6.5E-04	0.00267623	Bend7
ENSMUSG00000104213	118.280	2.310	0.504	4.580	4.6E-06	2.6872E-05	Ighd
ENSMUSG00000045795	2868.582	2.309	0.156	14.823	1.0E-49	5.7294E-48	Whamm
ENSMUSG00000032508	15659.885	2.307	0.119	19.471	1.9E-84	2.4561E-82	Myd88
ENSMUSG00000072620	85141.171	2.306	0.186	12.407	2.4E-35	8.2733E-34	Slfn2
ENSMUSG00000004535	24366.646	2.306	0.127	18.172	8.6E-74	8.8002E-72	Tax1bp1
ENSMUSG00000108604	22.627	2.304	0.645	3.570	3.6E-04	0.00154169	Gm44850
ENSMUSG00000039735	1893.777	2.303	0.212	10.843	2.2E-27	5.4414E-26	Fnbp11
ENSMUSG00000103887	13.345	2.303	0.820	2.808	5.0E-03	0.01701823	Gm37008
ENSMUSG00000027882	7642.254	2.301	0.132	17.428	5.1E-68	4.7247E-66	Stxbp3
ENSMUSG00000025389	17.694	2.300	0.746	3.081	2.1E-03	0.00769097	Mip
ENSMUSG00000027366	17325.235	2.297	0.107	21.538	6.8E-103	1.302E-100	Spp12a
ENSMUSG00000042265	1296.758	2.296	0.210	10.910	1.0E-27	2.6572E-26	Trem1
ENSMUSG00000037242	85600.742	2.295	0.111	20.660	7.9E-95	1.2814E-92	Clic4
ENSMUSG00000101389	33205.798	2.294	0.181	12.645	1.2E-36	4.3406E-35	Ms4a4a
ENSMUSG00000042700	2462.257	2.294	0.166	13.815	2.1E-43	9.3106E-42	Sipa111
ENSMUSG00000020589	3167.638	2.293	0.134	17.109	1.3E-65	1.1164E-63	Cyria
ENSMUSG00000042726	28257.527	2.293	0.195	11.781	4.9E-32	1.5054E-30	Trafd1
ENSMUSG00000032578	695.035	2.284	0.182	12.585	2.6E-36	9.2002E-35	Cish
ENSMUSG00000023249	2528.663	2.282	0.160	14.218	7.1E-46	3.4823E-44	Parp3
ENSMUSG00000110126	24.197	2.281	0.622	3.670	2.4E-04	0.00108331	Gm9347
ENSMUSG00000032094	50.052	2.280	0.624	3.656	2.6E-04	0.00113916	Cd3d
ENSMUSG00000040329	1000.557	2.280	0.190	12.017	2.9E-33	9.3326E-32	Il7
ENSMUSG00000066150	16613.523	2.277	0.113	20.146	2.9E-90	4.3857E-88	Slc31a1
ENSMUSG00000041571	12171.495	2.275	0.097	23.437	1.8E-121	5.519E-119	Selenow
ENSMUSG00000071350	2059.753	2.273	0.222	10.219	1.6E-24	3.6586E-23	Setdb2
ENSMUSG00000029822	1873.411	2.273	0.204	11.124	9.6E-29	2.5792E-27	Osbp13
ENSMUSG00000090523	2751.047	2.273	0.135	16.798	2.5E-63	2.0472E-61	Gypc
ENSMUSG00000041540	38.317	2.273	0.726	3.131	1.7E-03	0.00659267	Sox5
ENSMUSG00000007655	1509.725	2.272	0.160	14.178	1.3E-45	6.0883E-44	Cav1
ENSMUSG00000050029	4963.390	2.268	0.146	15.569	1.2E-54	7.4053E-53	Rap2c
ENSMUSG00000109719	61.789	2.267	0.756	2.999	2.7E-03	0.00985965	Gm45266
ENSMUSG00000074482	23.733	2.266	0.598	3.789	1.5E-04	0.00069942	Gm16589

ENSMUSG00000034959	530.891	2.266	0.281	8.061	7.5E-16	1.0578E-14	Rubcn1
ENSMUSG00000108436	103.933	2.260	0.930	2.430	1.5E-02	0.04500837	Gm44851
ENSMUSG00000033192	9275.655	2.259	0.124	18.159	1.1E-73	1.1194E-71	Lpcat2
ENSMUSG00000032593	130.056	2.259	0.434	5.206	1.9E-07	1.3269E-06	Amigo3
ENSMUSG00000028793	13268.557	2.258	0.126	17.879	1.7E-71	1.6857E-69	Rnf19b
ENSMUSG00000050549	4997.526	2.256	0.132	17.136	8.0E-66	7.0029E-64	Fam241a
ENSMUSG00000039994	1092.169	2.255	0.171	13.209	7.8E-40	3.1658E-38	Timeless
ENSMUSG00000074796	192.039	2.255	0.463	4.867	1.1E-06	7.0848E-06	Slc4a11
ENSMUSG00000039531	5587.830	2.254	0.198	11.362	6.4E-30	1.8109E-28	Zup1
ENSMUSG00000052143	30.349	2.253	0.778	2.895	3.8E-03	0.01332798	Gm9869
ENSMUSG00000090812	47.918	2.251	0.443	5.077	3.8E-07	2.5366E-06	Samd15
ENSMUSG00000100880	29.989	2.250	0.712	3.160	1.6E-03	0.00601598	Gm6610
ENSMUSG00000026222	15542.849	2.250	0.265	8.481	2.2E-17	3.4501E-16	Sp100
ENSMUSG00000035929	128.220	2.247	0.396	5.674	1.4E-08	1.0956E-07	H2-Q4
ENSMUSG00000064289	7861.059	2.244	0.121	18.524	1.3E-76	1.4331E-74	Tank
ENSMUSG00000117418	9.435	2.243	0.931	2.410	1.6E-02	0.0471675	Gm50063
ENSMUSG00000029530	348.289	2.238	0.444	5.038	4.7E-07	3.0705E-06	Ccr9
ENSMUSG00000035725	6316.656	2.236	0.143	15.639	4.0E-55	2.5337E-53	Prkx
ENSMUSG00000047098	5129.381	2.235	0.143	15.662	2.8E-55	1.7908E-53	Rnf31
ENSMUSG00000065968	168.221	2.233	0.351	6.370	1.9E-10	1.7816E-09	Ifitm7
ENSMUSG00000002699	18364.210	2.230	0.084	26.437	5.1E-154	2.86E-151	Lcp2
ENSMUSG00000029371	837.205	2.225	0.219	10.139	3.7E-24	8.2082E-23	Cxcl5
ENSMUSG00000026110	1738.581	2.225	0.164	13.559	7.1E-42	3.0709E-40	Mgat4a
ENSMUSG00000026582	98.775	2.223	0.815	2.728	6.4E-03	0.02111491	Sele
ENSMUSG00000090216	51.262	2.222	0.389	5.720	1.1E-08	8.4913E-08	Gm16549
ENSMUSG00000104920	140.321	2.219	0.394	5.632	1.8E-08	1.3838E-07	Gm43215
ENSMUSG00000108059	41.685	2.218	0.768	2.889	3.9E-03	0.01352061	Gm44369
ENSMUSG00000109589	31.383	2.218	0.691	3.209	1.3E-03	0.00516231	Gm45267
ENSMUSG00000062300	2565.418	2.217	0.133	16.653	2.9E-62	2.2767E-60	Nectin2
ENSMUSG00000034833	114.474	2.215	0.402	5.503	3.7E-08	2.8071E-07	Tespa1
ENSMUSG00000035164	849.165	2.214	0.199	11.125	9.5E-29	2.549E-27	Zc3h12c
ENSMUSG00000031553	15.564	2.213	0.867	2.552	1.1E-02	0.03320498	Adam3
ENSMUSG00000103734	91.856	2.212	0.523	4.233	2.3E-05	0.00012083	Gm37651
ENSMUSG00000073628	25.628	2.212	0.584	3.789	1.5E-04	0.00069896	Gm10552
ENSMUSG00000086695	38.206	2.209	0.407	5.421	5.9E-08	4.3599E-07	Gm15247
ENSMUSG00000055809	99.952	2.208	0.465	4.745	2.1E-06	1.2643E-05	Dnaaf3
ENSMUSG00000079186	99.245	2.208	0.627	3.522	4.3E-04	0.00182058	Gzmc
ENSMUSG00000049502	13717.352	2.206	0.275	8.014	1.1E-15	1.5407E-14	Dtx3l
ENSMUSG00000020415	7019.609	2.204	0.173	12.719	4.6E-37	1.718E-35	Pttg1
ENSMUSG00000050212	3110.643	2.204	0.148	14.906	3.0E-50	1.6815E-48	Eva1b
ENSMUSG00000002983	7314.548	2.203	0.136	16.245	2.4E-59	1.7578E-57	Relb
ENSMUSG00000021758	207.945	2.203	0.422	5.216	1.8E-07	1.2635E-06	Ddx4
ENSMUSG00000020953	41.779	2.203	0.748	2.947	3.2E-03	0.01147827	Coch
ENSMUSG00000042608	7503.777	2.203	0.110	20.044	2.3E-89	3.3774E-87	Stk40
ENSMUSG00000072572	41.822	2.203	0.595	3.704	2.1E-04	0.0009524	Slc39a2
ENSMUSG00000071068	1343.693	2.203	0.250	8.801	1.4E-18	2.2689E-17	Trem12
ENSMUSG00000030921	24017.586	2.199	0.307	7.154	8.4E-13	9.5382E-12	Trim30a
ENSMUSG00000042641	47.583	2.198	0.780	2.817	4.8E-03	0.01660007	Rgs11
ENSMUSG00000040829	1105.576	2.196	0.156	14.098	3.9E-45	1.8641E-43	Zmynd15
ENSMUSG00000070327	10329.923	2.195	0.358	6.124	9.1E-10	8.0674E-09	Rnf213
ENSMUSG00000070284	3027.775	2.195	0.113	19.484	1.5E-84	1.915E-82	Gmppb
ENSMUSG00000073758	72.133	2.191	0.757	2.894	3.8E-03	0.01333403	Sh3d21

ENSMUSG00000098108	14.808	2.191	0.808	2.710	6.7E-03	0.02217291	Gm27008
ENSMUSG00000098219	8.829	2.189	0.836	2.617	8.9E-03	0.0281953	Gm7481
ENSMUSG00000043811	33.593	2.188	0.698	3.134	1.7E-03	0.00653317	Rtn4r
ENSMUSG00000035004	18839.114	2.187	0.087	25.264	7.9E-141	3.271E-138	Igsf6
ENSMUSG00000038527	552.897	2.186	0.182	12.005	3.3E-33	1.0688E-31	C1rl
ENSMUSG00000083270	9.202	2.185	0.787	2.775	5.5E-03	0.01863696	Gm13498
ENSMUSG00000058163	4180.974	2.184	0.375	5.831	5.5E-09	4.5349E-08	Gm5431
ENSMUSG00000093490	17.369	2.182	0.639	3.413	6.4E-04	0.00263838	Gm19932
ENSMUSG00000118291	8.187	2.181	0.841	2.593	9.5E-03	0.02991523	Csflr-ps
ENSMUSG00000028064	10249.134	2.179	0.091	23.879	5.1E-126	1.711E-123	Sema4a
ENSMUSG00000104088	27.091	2.178	0.854	2.551	1.1E-02	0.03328932	Gm38275
ENSMUSG00000025076	2665.362	2.177	0.112	19.513	8.5E-85	1.0958E-82	Casp7
ENSMUSG00000029561	37535.229	2.176	0.404	5.387	7.2E-08	5.214E-07	Oas12
ENSMUSG00000031762	130.832	2.176	0.374	5.811	6.2E-09	5.0621E-08	Mt2
ENSMUSG00000049608	315.399	2.175	0.257	8.448	3.0E-17	4.549E-16	Gpr55
ENSMUSG00000103747	349.316	2.170	0.220	9.882	5.0E-23	1.0541E-21	Gm38236
ENSMUSG00000029915	4939.833	2.169	0.140	15.483	4.5E-54	2.7799E-52	Clec5a
ENSMUSG00000060594	612.360	2.169	0.170	12.735	3.8E-37	1.4061E-35	Layn
ENSMUSG00000033420	435.752	2.168	0.184	11.765	5.9E-32	1.8022E-30	Antxr1
ENSMUSG00000058248	41.312	2.168	0.852	2.544	1.1E-02	0.03394295	Kcnh1
ENSMUSG00000020910	1820.871	2.164	0.162	13.361	1.0E-40	4.3002E-39	Adprm
ENSMUSG00000015947	50541.953	2.164	0.263	8.239	1.7E-16	2.5338E-15	Fcgr1
ENSMUSG00000008193	564.344	2.164	0.249	8.703	3.2E-18	5.282E-17	Spib
ENSMUSG00000024245	104.879	2.164	0.632	3.423	6.2E-04	0.00254609	Tmem178
ENSMUSG00000017057	3858.520	2.161	0.179	12.046	2.0E-33	6.6015E-32	Il13ra1
ENSMUSG00000038521	83.181	2.161	0.471	4.585	4.5E-06	2.6351E-05	C1s1
ENSMUSG00000045232	47.193	2.160	0.885	2.440	1.5E-02	0.04381383	Rln3
ENSMUSG00000041046	288.287	2.160	0.323	6.678	2.4E-11	2.4414E-10	Ramp3
ENSMUSG00000056380	65.655	2.159	0.778	2.775	5.5E-03	0.01864276	Gpr50
ENSMUSG00000059657	47.640	2.158	0.505	4.273	1.9E-05	0.00010239	Stfa211
ENSMUSG00000043931	24.758	2.156	0.801	2.692	7.1E-03	0.02321252	Gimap7
ENSMUSG00000032066	333.648	2.156	0.313	6.893	5.5E-12	5.7988E-11	Bco2
ENSMUSG00000029413	2967.015	2.154	0.142	15.220	2.6E-52	1.5364E-50	Naaa
ENSMUSG00000059325	17.156	2.153	0.853	2.526	1.2E-02	0.03550642	Hopx
ENSMUSG00000032280	10136.215	2.151	0.136	15.813	2.5E-56	1.6909E-54	Tle3
ENSMUSG00000034634	986.093	2.151	0.172	12.471	1.1E-35	3.7719E-34	Ly6d
ENSMUSG00000026088	3842.055	2.148	0.160	13.439	3.6E-41	1.5289E-39	Mitd1
ENSMUSG00000058427	8397.293	2.147	0.199	10.800	3.4E-27	8.621E-26	Cxcl2
ENSMUSG00000040624	869.321	2.147	0.240	8.948	3.6E-19	6.285E-18	Plekhg1
ENSMUSG00000000303	120.448	2.145	0.434	4.938	7.9E-07	5.0185E-06	Cdh1
ENSMUSG00000020806	11799.187	2.144	0.134	16.034	7.4E-58	5.2234E-56	Rhbdf2
ENSMUSG00000040774	9487.126	2.144	0.100	21.375	2.3E-101	4.215E-99	Cept1
ENSMUSG00000097855	624.425	2.140	0.196	10.907	1.1E-27	2.7352E-26	A930007I19Rik
ENSMUSG00000051413	6248.437	2.139	0.114	18.804	7.1E-79	8.0871E-77	Plagl2
ENSMUSG00000025278	1918.402	2.139	0.155	13.820	1.9E-43	8.7851E-42	Flnb
ENSMUSG00000018012	943.231	2.138	0.210	10.184	2.3E-24	5.225E-23	Rac3
ENSMUSG00000015314	704.541	2.137	0.165	12.953	2.3E-38	8.6994E-37	Slamf6
ENSMUSG00000117359	8.842	2.136	0.754	2.835	4.6E-03	0.01581528	Gm7466
ENSMUSG00000112212	34.227	2.133	0.728	2.931	3.4E-03	0.01201984	Gm46189
ENSMUSG00000102662	169.278	2.132	0.552	3.863	1.1E-04	0.00052777	Gm38377
ENSMUSG00000066258	3167.650	2.131	0.195	10.923	9.0E-28	2.3132E-26	Trim12a
ENSMUSG00000109408	257.309	2.128	0.332	6.414	1.4E-10	1.3512E-09	A930037H05Rik

ENSMUSG00000082154	19.538	2.127	0.673	3.163	1.6E-03	0.00597706	Gm16464
ENSMUSG00000034118	4247.101	2.127	0.212	10.027	1.2E-23	2.5109E-22	Tpst1
ENSMUSG00000101262	24.204	2.126	0.542	3.923	8.8E-05	0.00041961	Gm8326
ENSMUSG00000050128	7.513	2.124	0.839	2.530	1.1E-02	0.03515888	Olfr1023
ENSMUSG00000025357	1456.881	2.123	0.209	10.169	2.7E-24	6.1241E-23	Dgka
ENSMUSG00000026814	5798.700	2.120	0.131	16.193	5.7E-59	4.0584E-57	Eng
ENSMUSG00000085721	19.437	2.120	0.603	3.514	4.4E-04	0.00187126	Gm12796
ENSMUSG00000081957	24.459	2.119	0.506	4.185	2.8E-05	0.00014689	Ak312-ps
ENSMUSG00000047631	23.432	2.118	0.721	2.939	3.3E-03	0.01175492	Apof
ENSMUSG00000079419	17712.320	2.115	0.156	13.570	6.0E-42	2.6222E-40	Ms4a6c
ENSMUSG00000090307	589.698	2.110	0.242	8.730	2.5E-18	4.1755E-17	1700071M16Rik
ENSMUSG00000074472	35.237	2.109	0.785	2.686	7.2E-03	0.02355708	Zfp872
ENSMUSG00000085913	27.548	2.109	0.666	3.168	1.5E-03	0.00588427	Gm15601
ENSMUSG00000009185	5288.373	2.108	0.435	4.842	1.3E-06	7.9966E-06	Ccl8
ENSMUSG00000064120	2491.327	2.108	0.114	18.545	8.9E-77	9.6974E-75	Mocs1
ENSMUSG00000032311	230.568	2.104	0.241	8.727	2.6E-18	4.2848E-17	Nrg4
ENSMUSG00000112186	65.781	2.101	0.339	6.203	5.5E-10	4.9821E-09	Gm2412
ENSMUSG00000047746	61.524	2.101	0.576	3.649	2.6E-04	0.00116546	Fbxo40
ENSMUSG00000095687	65.111	2.100	0.367	5.722	1.1E-08	8.3674E-08	Rnaset2a
ENSMUSG00000024677	16433.455	2.099	0.180	11.693	1.4E-31	4.1422E-30	Ms4a6b
ENSMUSG00000052397	11858.632	2.098	0.113	18.566	6.0E-77	6.6292E-75	Ezr
ENSMUSG00000109663	411.886	2.097	0.282	7.442	9.9E-14	1.2109E-12	Gm5331
ENSMUSG00000027456	107.759	2.096	0.520	4.029	5.6E-05	0.00027781	Sdcbp2
ENSMUSG00000030403	36179.996	2.094	0.063	33.148	6.0E-241	1.024E-237	Vasp
ENSMUSG00000025492	118573.732	2.092	0.178	11.769	5.6E-32	1.7056E-30	Ifitm3
ENSMUSG00000074805	51.110	2.090	0.782	2.673	7.5E-03	0.02437637	Il1bos
ENSMUSG00000082684	14.751	2.089	0.750	2.786	5.3E-03	0.01810732	Gm12774
ENSMUSG00000027834	153.344	2.088	0.578	3.615	3.0E-04	0.00131399	Serpini1
ENSMUSG00000036362	898.364	2.088	0.248	8.427	3.5E-17	5.4112E-16	P2ry13
ENSMUSG00000062991	651.622	2.087	0.262	7.966	1.6E-15	2.2427E-14	Nrg1
ENSMUSG00000006782	14649.213	2.086	0.156	13.366	9.6E-41	4E-39	Cnp
ENSMUSG00000024754	13974.762	2.086	0.140	14.906	3.0E-50	1.6815E-48	Cemip2
ENSMUSG00000020120	47282.311	2.085	0.101	20.707	3.0E-95	4.9453E-93	Plek
ENSMUSG00000024730	139.500	2.085	0.335	6.222	4.9E-10	4.4278E-09	Ms4a8a
ENSMUSG00000021298	1329.012	2.083	0.175	11.876	1.6E-32	4.9553E-31	Gpr132
ENSMUSG00000084105	12.377	2.083	0.748	2.786	5.3E-03	0.01810899	Gm13252
ENSMUSG00000111904	19.673	2.082	0.623	3.344	8.3E-04	0.00332639	Gm2395
ENSMUSG00000039753	7542.743	2.081	0.119	17.536	7.7E-69	7.2988E-67	Fbx15
ENSMUSG00000043943	51.836	2.079	0.647	3.215	1.3E-03	0.00506524	Naalad2
ENSMUSG00000103546	264.735	2.079	0.271	7.680	1.6E-14	2.0325E-13	Gm37666
ENSMUSG00000033487	9906.795	2.078	0.164	12.684	7.3E-37	2.6678E-35	Fndc3a
ENSMUSG00000042182	112.628	2.078	0.522	3.979	6.9E-05	0.00033773	Bend6
ENSMUSG00000051790	305.119	2.078	0.273	7.624	2.5E-14	3.1027E-13	Nlgn2
ENSMUSG00000054404	18216.475	2.077	0.331	6.269	3.6E-10	3.3307E-09	Slfn5
ENSMUSG00000038437	656.440	2.077	0.222	9.365	7.6E-21	1.4313E-19	Mllt6
ENSMUSG00000039960	232.832	2.077	0.424	4.902	9.5E-07	5.9948E-06	Rhou
ENSMUSG00000036249	2611.411	2.076	0.156	13.313	1.9E-40	8.0769E-39	Rbm43
ENSMUSG00000053137	314.054	2.076	0.304	6.832	8.4E-12	8.7218E-11	Mapk11
ENSMUSG00000030748	26008.794	2.076	0.173	12.029	2.5E-33	8.0784E-32	Il4ra
ENSMUSG00000037344	4094.250	2.076	0.163	12.769	2.4E-37	9.1298E-36	Slc12a9
ENSMUSG00000026285	113.467	2.073	0.485	4.276	1.9E-05	0.00010109	Pcd1
ENSMUSG00000020707	2737.900	2.072	0.169	12.266	1.4E-34	4.6314E-33	Rnfl35

ENSMUSG00000069893	973.054	2.071	0.209	9.887	4.7E-23	9.9683E-22	9930111J21Rik1
ENSMUSG00000105275	23.638	2.069	0.649	3.187	1.4E-03	0.00554127	Gm43214
ENSMUSG00000074500	190.566	2.069	0.374	5.534	3.1E-08	2.3707E-07	Zfp558
ENSMUSG00000047959	1936.039	2.068	0.162	12.748	3.2E-37	1.1955E-35	Kcna3
ENSMUSG00000107019	41.673	2.063	0.464	4.441	9.0E-06	5.0011E-05	Gm43682
ENSMUSG00000067212	11910.886	2.059	0.196	10.487	9.9E-26	2.3294E-24	H2-T23
ENSMUSG00000041649	106.408	2.059	0.558	3.690	2.2E-04	0.00100423	Klf8
ENSMUSG00000017830	8906.468	2.058	0.323	6.373	1.9E-10	1.7462E-09	Dhx58
ENSMUSG00000022575	12885.735	2.056	0.105	19.648	6.0E-86	8.2161E-84	Gsdmd
ENSMUSG00000022197	104.287	2.054	0.351	5.854	4.8E-09	3.9736E-08	Pdzd2
ENSMUSG00000042677	4331.246	2.051	0.131	15.626	4.8E-55	3.074E-53	Zc3h12a
ENSMUSG00000024338	21680.992	2.050	0.123	16.655	2.8E-62	2.2033E-60	Psmb8
ENSMUSG00000106478	37.880	2.050	0.445	4.606	4.1E-06	2.4034E-05	Gm36551
ENSMUSG00000035678	2969.397	2.048	0.128	16.047	6.0E-58	4.1967E-56	Tnfsf9
ENSMUSG00000038188	5192.063	2.047	0.161	12.709	5.3E-37	1.939E-35	Scarf1
ENSMUSG00000027035	11494.946	2.047	0.093	22.119	2.1E-108	4.41E-106	Cers6
ENSMUSG00000024673	200.088	2.047	0.403	5.080	3.8E-07	2.5009E-06	Ms4a1
ENSMUSG00000027883	3068.658	2.046	0.226	9.050	1.4E-19	2.5135E-18	Gpsm2
ENSMUSG00000030966	243.349	2.046	0.387	5.289	1.2E-07	8.6899E-07	Trim21
ENSMUSG00000030088	326.440	2.044	0.375	5.453	4.9E-08	3.6572E-07	Aldh111
ENSMUSG00000069892	1193.823	2.044	0.184	11.090	1.4E-28	3.7278E-27	9930111J21Rik2
ENSMUSG00000004952	12777.113	2.043	0.150	13.624	2.9E-42	1.2751E-40	Rasa4
ENSMUSG00000022216	18134.178	2.042	0.103	19.893	4.7E-88	6.7914E-86	Psme1
ENSMUSG00000030275	4779.677	2.040	0.174	11.752	6.9E-32	2.0668E-30	Etnk1
ENSMUSG00000021322	9625.868	2.040	0.119	17.176	4.0E-66	3.5587E-64	Aoah
ENSMUSG00000102051	11076.396	2.038	0.181	11.253	2.2E-29	6.1513E-28	Ly6a2
ENSMUSG00000032786	38536.845	2.038	0.080	25.436	1.0E-142	4.206E-140	Alas1
ENSMUSG00000024805	4180.424	2.037	0.125	16.246	2.4E-59	1.7332E-57	Pcgf5
ENSMUSG00000101132	65.056	2.037	0.357	5.705	1.2E-08	9.2376E-08	Gm8000
ENSMUSG00000000708	1057.397	2.036	0.163	12.522	5.7E-36	2.005E-34	Kat2b
ENSMUSG00000096140	181.141	2.035	0.337	6.045	1.5E-09	1.2923E-08	Ankrd66
ENSMUSG00000081512	12.255	2.033	0.733	2.774	5.5E-03	0.01868766	Gm15821
ENSMUSG00000030785	181.388	2.032	0.368	5.523	3.3E-08	2.5202E-07	Cox6a2
ENSMUSG00000046062	7729.787	2.031	0.117	17.360	1.7E-67	1.53E-65	Ppp1r15b
ENSMUSG00000020696	3297.807	2.030	0.131	15.462	6.3E-54	3.8497E-52	Rffl
ENSMUSG00000080977	133.034	2.028	0.285	7.103	1.2E-12	1.3634E-11	Gm13772
ENSMUSG00000039934	7188.752	2.024	0.093	21.868	5.2E-106	1.074E-103	Gsap
ENSMUSG00000102243	24.423	2.023	0.783	2.584	9.8E-03	0.03057496	Gm37718
ENSMUSG00000046157	4001.050	2.023	0.158	12.770	2.4E-37	9.0166E-36	Tmem229b
ENSMUSG00000026664	4207.224	2.022	0.178	11.337	8.6E-30	2.3987E-28	Phyh
ENSMUSG00000083678	99.061	2.020	0.271	7.454	9.1E-14	1.1086E-12	Gm12989
ENSMUSG00000049401	8088.146	2.019	0.164	12.306	8.4E-35	2.8614E-33	Ogfr
ENSMUSG00000021759	1029.531	2.014	0.157	12.862	7.3E-38	2.789E-36	Plpp1
ENSMUSG00000060647	15.182	2.014	0.556	3.623	2.9E-04	0.00127745	Gm7099
ENSMUSG00000023307	20094.713	2.014	0.116	17.418	6.1E-68	5.6078E-66	Marchf5
ENSMUSG00000039501	15556.797	2.013	0.284	7.081	1.4E-12	1.5985E-11	Znfx1
ENSMUSG00000040016	303.122	2.013	0.434	4.637	3.5E-06	2.082E-05	Ptger3
ENSMUSG00000024953	69058.530	2.012	0.086	23.408	3.6E-121	1.072E-118	Prdx5
ENSMUSG00000056025	635.106	2.010	0.235	8.547	1.3E-17	1.9923E-16	Clea3a1
ENSMUSG00000064262	32.589	2.006	0.811	2.474	1.3E-02	0.04035678	Gimap8
ENSMUSG00000022035	3749.930	2.005	0.134	14.958	1.4E-50	7.7497E-49	Ccdc25
ENSMUSG00000032011	43.406	2.002	0.449	4.460	8.2E-06	4.5959E-05	Thy1

ENSMUSG00000044165	25.412	1.999	0.701	2.853	4.3E-03	0.01501609	Bcl2l15
ENSMUSG00000035713	274.570	1.998	0.263	7.598	3.0E-14	3.7911E-13	Usp35
ENSMUSG00000029007	9205.461	1.998	0.109	18.365	2.5E-75	2.6816E-73	Agtrap
ENSMUSG00000001166	350.278	1.997	0.344	5.806	6.4E-09	5.1953E-08	Oas1c
ENSMUSG000000037169	339.042	1.995	0.356	5.600	2.1E-08	1.6487E-07	Mycn
ENSMUSG000000041831	52.086	1.992	0.556	3.582	3.4E-04	0.00147594	Syt13
ENSMUSG000000031647	850.391	1.992	0.222	8.965	3.1E-19	5.3774E-18	Mfap3l
ENSMUSG000000039747	2744.924	1.992	0.129	15.426	1.1E-53	6.7136E-52	Orai2
ENSMUSG000000064128	501.006	1.991	0.224	8.873	7.1E-19	1.211E-17	Cenpj
ENSMUSG000000011008	2960.515	1.990	0.149	13.380	7.9E-41	3.3196E-39	Mcoln2
ENSMUSG000000050565	17357.684	1.989	0.166	11.966	5.4E-33	1.7199E-31	Tor1aip2
ENSMUSG000000038235	1416.052	1.989	0.256	7.773	7.7E-15	1.0003E-13	F11r
ENSMUSG000000033781	1417.717	1.988	0.199	9.973	2.0E-23	4.3065E-22	Asb13
ENSMUSG000000027018	6245.001	1.987	0.135	14.742	3.4E-49	1.8671E-47	Hat1
ENSMUSG000000035517	6100.022	1.987	0.172	11.541	8.2E-31	2.3898E-29	Tdrd7
ENSMUSG000000079053	112.292	1.987	0.362	5.484	4.2E-08	3.1071E-07	Gm14010
ENSMUSG000000048911	369.138	1.986	0.260	7.632	2.3E-14	2.9275E-13	Rnf24
ENSMUSG000000014846	86.327	1.984	0.492	4.034	5.5E-05	0.00027222	Tppp3
ENSMUSG000000038816	237.716	1.984	0.461	4.300	1.7E-05	9.1476E-05	Ctnnal1
ENSMUSG000000030990	4495.703	1.983	0.141	14.032	9.9E-45	4.6696E-43	Pgap2
ENSMUSG000000073144	701.075	1.976	0.224	8.823	1.1E-18	1.8714E-17	4930599N23Rik
ENSMUSG000000062524	60.758	1.976	0.655	3.015	2.6E-03	0.00940322	Ncr1
ENSMUSG000000055184	243.678	1.976	0.325	6.078	1.2E-09	1.064E-08	Fam72a
ENSMUSG000000095788	777.759	1.975	0.184	10.757	5.5E-27	1.3622E-25	Sirpb1a
ENSMUSG000000024065	735.354	1.974	0.212	9.326	1.1E-20	2.0577E-19	Ehd3
ENSMUSG000000040339	4740.057	1.974	0.202	9.784	1.3E-22	2.7146E-21	Fam102b
ENSMUSG000000030167	35.070	1.974	0.567	3.481	5.0E-04	0.00209222	Klrc1
ENSMUSG000000052544	58.462	1.969	0.518	3.798	1.5E-04	0.00067713	St6galnac3
ENSMUSG000000033227	149.439	1.967	0.400	4.920	8.7E-07	5.4849E-06	Wnt6
ENSMUSG000000022048	13842.496	1.965	0.128	15.327	5.0E-53	3.0498E-51	Dpysl2
ENSMUSG000000101431	83.804	1.963	0.336	5.846	5.0E-09	4.1496E-08	Gm7901
ENSMUSG000000096719	353.487	1.962	0.252	7.780	7.2E-15	9.4383E-14	Mrgpra2b
ENSMUSG000000064280	94.738	1.961	0.333	5.891	3.8E-09	3.1968E-08	Ccdc146
ENSMUSG000000029366	11929.571	1.961	0.290	6.750	1.5E-11	1.508E-10	Dck
ENSMUSG000000052087	3632.098	1.959	0.150	13.056	5.9E-39	2.3402E-37	Rgs14
ENSMUSG000000031504	6341.034	1.959	0.102	19.224	2.4E-82	2.8699E-80	Rab20
ENSMUSG000000057596	6998.688	1.959	0.372	5.261	1.4E-07	1.0058E-06	Trim30d
ENSMUSG000000004040	26976.102	1.958	0.109	18.009	1.6E-72	1.651E-70	Stat3
ENSMUSG000000030157	632.792	1.955	0.207	9.462	3.0E-21	5.8622E-20	Clec2d
ENSMUSG000000035279	53.777	1.954	0.715	2.734	6.2E-03	0.02076945	Ssc5d
ENSMUSG000000038564	687.708	1.953	0.247	7.905	2.7E-15	3.6205E-14	Ift172
ENSMUSG000000084399	70.423	1.953	0.722	2.703	6.9E-03	0.02257625	Gm15666
ENSMUSG000000081614	7.598	1.952	0.803	2.430	1.5E-02	0.0449469	Gm9436
ENSMUSG000000098609	29.876	1.951	0.748	2.610	9.1E-03	0.02866475	Anxal1os
ENSMUSG000000039285	10587.376	1.950	0.138	14.080	5.1E-45	2.4151E-43	Azi2
ENSMUSG000000000555	22979.266	1.949	0.114	17.050	3.5E-65	3.0042E-63	Irga5
ENSMUSG000000013846	2818.938	1.946	0.113	17.250	1.1E-66	1.0001E-64	St3gal1
ENSMUSG000000053442	16.639	1.945	0.741	2.624	8.7E-03	0.02769314	4930597O21Rik
ENSMUSG000000021591	26104.768	1.943	0.161	12.058	1.8E-33	5.7101E-32	Glrx
ENSMUSG000000105510	13.758	1.943	0.806	2.411	1.6E-02	0.04702077	Gm43815
ENSMUSG000000067203	1637.655	1.942	0.206	9.409	5.0E-21	9.5817E-20	H2-K2
ENSMUSG000000005362	2360.876	1.942	0.122	15.936	3.6E-57	2.4778E-55	Crbn

ENSMUSG00000026942	6580.483	1.941	0.092	21.153	2.6E-99	4.4737E-97	Traf2
ENSMUSG00000105195	260.872	1.938	0.422	4.593	4.4E-06	2.5439E-05	Gm43584
ENSMUSG00000073805	84.511	1.934	0.442	4.374	1.2E-05	6.6514E-05	Insyn2a
ENSMUSG00000026121	1905.123	1.932	0.238	8.114	4.9E-16	6.9808E-15	Sema4c
ENSMUSG00000002033	35.614	1.930	0.694	2.783	5.4E-03	0.01822826	Cd3g
ENSMUSG00000053030	19.204	1.928	0.764	2.522	1.2E-02	0.03586507	Spink2
ENSMUSG00000054855	3648.836	1.927	0.223	8.630	6.1E-18	9.8686E-17	Rnd1
ENSMUSG00000104262	51.083	1.927	0.528	3.652	2.6E-04	0.00115375	Gm37747
ENSMUSG00000079033	89.126	1.927	0.768	2.510	1.2E-02	0.03696481	Mef2b
ENSMUSG00000020077	34172.705	1.926	0.107	17.991	2.3E-72	2.2792E-70	Srgn
ENSMUSG00000108120	88.015	1.924	0.527	3.651	2.6E-04	0.00115615	9930120I10Rik
ENSMUSG00000049037	20048.724	1.923	0.117	16.463	6.7E-61	5.0975E-59	Clec4a1
ENSMUSG00000020486	49.661	1.923	0.766	2.509	1.2E-02	0.0370546	Septin4
ENSMUSG00000096472	4841.950	1.922	0.149	12.912	3.9E-38	1.4874E-36	Cdkn2d
ENSMUSG00000024399	1112.823	1.920	0.163	11.772	5.4E-32	1.659E-30	Ltb
ENSMUSG00000023030	8666.956	1.920	0.114	16.800	2.4E-63	1.9869E-61	Slc11a2
ENSMUSG00000020363	1421.833	1.920	0.165	11.631	2.9E-31	8.4507E-30	Gfpt2
ENSMUSG00000058470	171.964	1.918	0.292	6.570	5.0E-11	4.9493E-10	Gm8369
ENSMUSG00000038301	21580.553	1.917	0.077	24.929	3.6E-137	1.405E-134	Snx10
ENSMUSG00000083341	16.036	1.917	0.561	3.416	6.4E-04	0.0026157	Gm14238
ENSMUSG00000103835	20.076	1.914	0.721	2.657	7.9E-03	0.02545804	Gm37612
ENSMUSG00000042751	98.176	1.913	0.451	4.240	2.2E-05	0.00011725	Nmnat2
ENSMUSG00000037995	102.489	1.913	0.485	3.942	8.1E-05	0.00038902	Igsf9
ENSMUSG00000108720	30.483	1.913	0.729	2.622	8.7E-03	0.02783722	Gm44672
ENSMUSG00000024079	8181.831	1.911	0.299	6.395	1.6E-10	1.5174E-09	Eif2ak2
ENSMUSG00000101199	19.476	1.911	0.717	2.666	7.7E-03	0.02480232	Gm9687
ENSMUSG00000020427	111.672	1.905	0.525	3.627	2.9E-04	0.00126121	Igfbp3
ENSMUSG00000079502	27.698	1.904	0.519	3.670	2.4E-04	0.00108143	Cfap77
ENSMUSG00000086638	27.096	1.902	0.636	2.990	2.8E-03	0.01011042	4930405A21Rik
ENSMUSG00000109244	112.740	1.902	0.463	4.112	3.9E-05	0.00019864	Gm44751
ENSMUSG00000032028	53.729	1.901	0.563	3.379	7.3E-04	0.00295969	Nxpe2
ENSMUSG00000030269	8227.241	1.901	0.115	16.582	9.4E-62	7.2849E-60	Mtmr14
ENSMUSG00000079889	261.020	1.899	0.270	7.021	2.2E-12	2.4204E-11	Gm11951
ENSMUSG00000026866	70.952	1.897	0.674	2.817	4.8E-03	0.01660073	Kynu
ENSMUSG00000083261	33.723	1.897	0.440	4.308	1.6E-05	8.8444E-05	Gm7816
ENSMUSG00000027962	18635.534	1.896	0.100	19.015	1.3E-80	1.5244E-78	Vcam1
ENSMUSG00000104720	24.179	1.896	0.731	2.593	9.5E-03	0.02992261	Gm43138
ENSMUSG00000018920	20940.294	1.894	0.113	16.698	1.3E-62	1.0701E-60	Cxcl16
ENSMUSG00000043279	2497.306	1.894	0.150	12.650	1.1E-36	4.0969E-35	Trim56
ENSMUSG00000042129	22690.993	1.893	0.114	16.662	2.5E-62	1.9705E-60	Rassf4
ENSMUSG00000028179	74.513	1.893	0.637	2.974	2.9E-03	0.01061432	Cth
ENSMUSG00000046718	49874.447	1.893	0.187	10.097	5.7E-24	1.249E-22	Bst2
ENSMUSG00000105965	144.095	1.892	0.223	8.499	1.9E-17	2.9805E-16	Cycs-ps2
ENSMUSG00000076618	10.240	1.892	0.772	2.451	1.4E-02	0.04272261	Ighj4
ENSMUSG00000062038	47.305	1.891	0.348	5.437	5.4E-08	3.9968E-07	Gm10108
ENSMUSG00000016494	691.548	1.888	0.191	9.897	4.3E-23	9.0746E-22	Cd34
ENSMUSG00000029379	3228.992	1.887	0.318	5.937	2.9E-09	2.4532E-08	Cxcl3
ENSMUSG00000023952	3145.651	1.887	0.136	13.878	8.6E-44	3.9469E-42	Gtpbp2
ENSMUSG00000070730	2570.801	1.886	0.141	13.422	4.5E-41	1.9163E-39	Rmdn3
ENSMUSG00000028536	96.966	1.886	0.481	3.921	8.8E-05	0.00042232	2610528J11Rik
ENSMUSG00000113589	15.448	1.885	0.688	2.740	6.1E-03	0.02045082	Gm48374
ENSMUSG00000037826	1143.265	1.885	0.268	7.030	2.1E-12	2.2733E-11	Ppm1k

ENSMUSG00000038467	4507.326	1.882	0.166	11.360	6.6E-30	1.8504E-28	Chmp4b
ENSMUSG00000007987	2499.778	1.881	0.142	13.205	8.2E-40	3.3388E-38	Ift22
ENSMUSG00000056220	4997.509	1.881	0.134	14.058	6.9E-45	3.2612E-43	Pla2g4a
ENSMUSG00000082394	13.695	1.880	0.673	2.794	5.2E-03	0.01767805	Gm4596
ENSMUSG00000085894	173.880	1.880	0.297	6.340	2.3E-10	2.1496E-09	Gm15832
ENSMUSG00000082179	8.974	1.880	0.714	2.634	8.4E-03	0.02701892	Gm11407
ENSMUSG00000034271	131.449	1.880	0.385	4.879	1.1E-06	6.6729E-06	Jdp2
ENSMUSG00000026827	5826.299	1.880	0.123	15.337	4.3E-53	2.6313E-51	Gpd2
ENSMUSG00000033088	7789.038	1.878	0.099	18.880	1.7E-79	1.9306E-77	Triobp
ENSMUSG00000057143	1318.612	1.876	0.200	9.394	5.8E-21	1.0993E-19	Trim12c
ENSMUSG00000027808	45999.202	1.876	0.096	19.571	2.7E-85	3.6008E-83	Serp1
ENSMUSG00000016528	40205.552	1.875	0.083	22.522	2.5E-112	5.965E-110	Mapkapk2
ENSMUSG00000073902	941.756	1.873	0.220	8.510	1.7E-17	2.7085E-16	Gvin3
ENSMUSG00000084362	39.579	1.873	0.575	3.256	1.1E-03	0.00445223	2610024D14Rik
ENSMUSG00000063800	3661.668	1.873	0.130	14.365	8.6E-47	4.2861E-45	Prpf38a
ENSMUSG00000038497	3169.351	1.872	0.142	13.226	6.2E-40	2.5451E-38	Tmco3
ENSMUSG000000115116	18.209	1.871	0.487	3.839	1.2E-04	0.00057778	Gm46496
ENSMUSG00000031429	4683.269	1.866	0.100	18.654	1.2E-77	1.3218E-75	Psmid10
ENSMUSG00000076939	35.130	1.865	0.582	3.204	1.4E-03	0.00524185	IgIv3
ENSMUSG00000015340	78696.481	1.855	0.085	21.909	2.1E-106	4.497E-104	Cybb
ENSMUSG00000021109	12142.647	1.854	0.125	14.774	2.2E-49	1.1764E-47	Hif1a
ENSMUSG00000041936	361.824	1.854	0.367	5.055	4.3E-07	2.8282E-06	Agm
ENSMUSG00000038256	1762.061	1.853	0.211	8.764	1.9E-18	3.1396E-17	Bcl9
ENSMUSG00000036206	1305.346	1.852	0.195	9.489	2.3E-21	4.5659E-20	Sh3bp4
ENSMUSG00000023868	116.988	1.849	0.701	2.637	8.4E-03	0.02678728	Pde10a
ENSMUSG00000095028	518.309	1.847	0.188	9.813	9.9E-23	2.053E-21	Sirpb1b
ENSMUSG00000017412	30.322	1.847	0.766	2.412	1.6E-02	0.04688099	Cacnb4
ENSMUSG00000079505	382.532	1.846	0.296	6.229	4.7E-10	4.2468E-09	Gm11131
ENSMUSG000000114048	27.629	1.845	0.714	2.583	9.8E-03	0.03067029	4930549C15Rik
ENSMUSG00000034394	485.377	1.845	0.379	4.865	1.1E-06	7.1387E-06	Lif
ENSMUSG00000029380	3846.448	1.844	0.308	5.995	2.0E-09	1.7379E-08	Cxcl1
ENSMUSG00000070942	281.855	1.841	0.289	6.381	1.8E-10	1.6557E-09	Il1rl2
ENSMUSG00000070427	8694.214	1.835	0.162	11.314	1.1E-29	3.1396E-28	Il18bp
ENSMUSG00000043036	36.393	1.833	0.581	3.154	1.6E-03	0.00614434	Ccdc63
ENSMUSG000000113144	11.586	1.832	0.638	2.870	4.1E-03	0.01429746	Gm2754
ENSMUSG00000002578	69.347	1.831	0.624	2.937	3.3E-03	0.01181799	Ikzf4
ENSMUSG00000026466	11374.316	1.831	0.143	12.808	1.5E-37	5.5988E-36	Tor1aip1
ENSMUSG00000010453	4470.124	1.829	0.155	11.804	3.7E-32	1.1405E-30	Kansl3
ENSMUSG00000026166	205.539	1.829	0.512	3.572	3.5E-04	0.0015322	Ccl20
ENSMUSG00000004837	753.711	1.828	0.243	7.514	5.7E-14	7.0949E-13	Grap
ENSMUSG00000085586	182.883	1.826	0.357	5.117	3.1E-07	2.0834E-06	Gm11613
ENSMUSG00000040488	42.726	1.826	0.564	3.240	1.2E-03	0.0046812	Ltbp4
ENSMUSG00000020393	3330.796	1.825	0.140	12.993	1.3E-38	5.2113E-37	Kremen1
ENSMUSG00000021565	91.084	1.824	0.747	2.443	1.5E-02	0.04350382	Slc6a19
ENSMUSG00000001348	16359.727	1.823	0.112	16.322	6.9E-60	5.0956E-58	Acp5
ENSMUSG00000006418	20105.647	1.822	0.166	10.986	4.5E-28	1.1668E-26	Rnfl14
ENSMUSG00000042350	2694.350	1.822	0.154	11.839	2.4E-32	7.5984E-31	Arell1
ENSMUSG00000020564	3379.506	1.818	0.141	12.872	6.5E-38	2.4751E-36	Atxn711
ENSMUSG00000034881	270.538	1.818	0.338	5.377	7.6E-08	5.5006E-07	Tbxa2r
ENSMUSG00000001444	85.110	1.817	0.570	3.190	1.4E-03	0.00549149	Tbx21
ENSMUSG000000106149	135.627	1.817	0.317	5.736	9.7E-09	7.7498E-08	Gm43430
ENSMUSG00000032014	2565.771	1.816	0.148	12.292	1.0E-34	3.3952E-33	Oaf

ENSMUSG00000033220	55206.972	1.816	0.058	31.225	4.8E-214	5.801E-211	Rac2
ENSMUSG00000036273	397.232	1.816	0.251	7.233	4.7E-13	5.4953E-12	Lrrk2
ENSMUSG00000096917	239.682	1.815	0.275	6.607	3.9E-11	3.8855E-10	2500002B13Rik
ENSMUSG00000033355	29790.752	1.815	0.313	5.799	6.7E-09	5.4176E-08	Rtp4
ENSMUSG00000034248	3988.166	1.815	0.133	13.671	1.5E-42	6.7499E-41	Slc25a37
ENSMUSG00000027188	61.265	1.813	0.658	2.756	5.8E-03	0.01957277	Pamr1
ENSMUSG00000066684	2078.298	1.813	0.116	15.594	8.0E-55	5.1237E-53	Pilrb1
ENSMUSG00000004936	24047.667	1.813	0.111	16.354	4.1E-60	3.034E-58	Map2k1
ENSMUSG00000038963	685.922	1.813	0.260	6.980	2.9E-12	3.2087E-11	Slco4a1
ENSMUSG00000028527	788.030	1.807	0.137	13.158	1.5E-39	6.1454E-38	Ak4
ENSMUSG00000027253	961.145	1.803	0.135	13.397	6.3E-41	2.6549E-39	Lrp4
ENSMUSG00000114459	11.359	1.803	0.616	2.929	3.4E-03	0.01209706	Gm2736
ENSMUSG00000078566	2873.335	1.801	0.114	15.760	5.9E-56	3.8546E-54	Bnip3
ENSMUSG00000080839	46.173	1.797	0.348	5.165	2.4E-07	1.6365E-06	Gm11625
ENSMUSG00000024424	3299.423	1.796	0.110	16.315	7.8E-60	5.664E-58	Ttc39c
ENSMUSG00000039678	1113.657	1.795	0.194	9.272	1.8E-20	3.4096E-19	Tbc1d13
ENSMUSG00000039395	445.764	1.792	0.239	7.492	6.8E-14	8.3493E-13	Mreg
ENSMUSG00000046245	8443.928	1.791	0.130	13.811	2.2E-43	9.814E-42	Pilra
ENSMUSG00000099843	454.434	1.790	0.229	7.817	5.4E-15	7.0945E-14	Gm7160
ENSMUSG00000082816	15.184	1.790	0.576	3.109	1.9E-03	0.00705494	Gm11953
ENSMUSG00000054065	242.697	1.789	0.332	5.394	6.9E-08	5.0247E-07	Pkp3
ENSMUSG00000079737	448.945	1.789	0.341	5.253	1.5E-07	1.0478E-06	3110001I22Rik
ENSMUSG00000027641	1590.876	1.788	0.200	8.930	4.3E-19	7.3587E-18	Rbl1
ENSMUSG00000024235	3521.452	1.785	0.130	13.735	6.2E-43	2.7916E-41	Map3k8
ENSMUSG00000035671	2824.885	1.785	0.164	10.904	1.1E-27	2.834E-26	Zswim4
ENSMUSG00000052566	1483.869	1.783	0.222	8.042	8.9E-16	1.2375E-14	Hook2
ENSMUSG00000097572	123.729	1.782	0.457	3.902	9.5E-05	0.00045333	Gm26797
ENSMUSG00000020901	11607.524	1.779	0.131	13.574	5.7E-42	2.4983E-40	Pik3r5
ENSMUSG00000036006	1364.864	1.777	0.201	8.837	9.9E-19	1.6631E-17	Ripor2
ENSMUSG00000020476	21690.353	1.776	0.091	19.556	3.7E-85	4.8281E-83	Dbnl
ENSMUSG00000109751	56.820	1.774	0.444	3.995	6.5E-05	0.00031732	Gm45479
ENSMUSG00000039693	987.778	1.770	0.178	9.949	2.5E-23	5.4182E-22	Msantd3
ENSMUSG00000108929	30.578	1.768	0.594	2.974	2.9E-03	0.01060937	Cc2d2b
ENSMUSG00000030401	105.074	1.768	0.481	3.673	2.4E-04	0.00106977	Rtn2
ENSMUSG00000105547	125.168	1.763	0.473	3.728	1.9E-04	0.00087396	Ig1c3
ENSMUSG00000025010	998.187	1.762	0.189	9.340	9.6E-21	1.8101E-19	Ccnj
ENSMUSG00000099757	1724.942	1.761	0.213	8.263	1.4E-16	2.0814E-15	BE692007
ENSMUSG00000046417	447.485	1.760	0.214	8.221	2.0E-16	2.9429E-15	Lrrc75a
ENSMUSG00000026580	948.646	1.760	0.200	8.783	1.6E-18	2.6523E-17	Selp
ENSMUSG00000109679	31.591	1.760	0.733	2.400	1.6E-02	0.04828498	Gm45342
ENSMUSG00000106543	19.925	1.760	0.678	2.595	9.5E-03	0.02975689	Gm43378
ENSMUSG00000025491	2223.155	1.757	0.263	6.674	2.5E-11	2.4961E-10	Ifitm1
ENSMUSG00000028163	3411.681	1.757	0.141	12.458	1.3E-35	4.4199E-34	Nfkb1
ENSMUSG00000097177	91.583	1.754	0.304	5.778	7.6E-09	6.1062E-08	9330159M07Rik
ENSMUSG00000039196	202.551	1.750	0.416	4.205	2.6E-05	0.00013569	Orm1
ENSMUSG00000022946	1994.644	1.750	0.147	11.871	1.7E-32	5.2133E-31	Dop1b
ENSMUSG00000033368	20.326	1.744	0.702	2.485	1.3E-02	0.03927685	Trim69
ENSMUSG00000010651	13.884	1.743	0.649	2.687	7.2E-03	0.02350044	Acaa1b
ENSMUSG00000027009	2170.936	1.743	0.182	9.564	1.1E-21	2.2349E-20	Irga4
ENSMUSG00000085823	240.187	1.742	0.240	7.270	3.6E-13	4.2119E-12	Gm13012
ENSMUSG00000024334	79.268	1.742	0.378	4.603	4.2E-06	2.4384E-05	H2-Oa
ENSMUSG00000027281	813.169	1.741	0.157	11.102	1.2E-28	3.2777E-27	Slx4ip

ENSMUSG00000074071	107.977	1.734	0.397	4.372	1.2E-05	6.7266E-05	Fam169b
ENSMUSG00000032175	5136.585	1.733	0.134	12.916	3.6E-38	1.4026E-36	Tyk2
ENSMUSG00000023991	2728.276	1.731	0.133	13.023	9.1E-39	3.5788E-37	Foxp4
ENSMUSG00000031728	1886.487	1.731	0.187	9.266	1.9E-20	3.5917E-19	Zfp821
ENSMUSG00000032204	200.220	1.729	0.427	4.052	5.1E-05	0.00025375	Aqp9
ENSMUSG00000029075	59.081	1.729	0.665	2.600	9.3E-03	0.02939744	Tnfrsf4
ENSMUSG00000066682	2000.385	1.728	0.120	14.414	4.3E-47	2.162E-45	Pilrb2
ENSMUSG00000080832	65.666	1.728	0.332	5.207	1.9E-07	1.3208E-06	M6pr-ps
ENSMUSG00000006411	2445.128	1.728	0.337	5.130	2.9E-07	1.9565E-06	Nectin4
ENSMUSG00000049988	28286.116	1.727	0.078	22.285	5.2E-110	1.143E-107	Lrrc25
ENSMUSG00000022489	814.461	1.726	0.187	9.248	2.3E-20	4.2359E-19	Pde1b
ENSMUSG00000042901	2668.956	1.726	0.139	12.457	1.3E-35	4.4789E-34	Aida
ENSMUSG00000004609	2277.367	1.725	0.137	12.573	3.0E-36	1.071E-34	Cd33
ENSMUSG00000013974	2802.622	1.724	0.206	8.363	6.1E-17	9.2009E-16	Mccmp1
ENSMUSG00000032038	1932.704	1.723	0.104	16.633	4.0E-62	3.1611E-60	St3gal4
ENSMUSG00000087263	54.229	1.722	0.456	3.777	1.6E-04	0.00073096	Gm15726
ENSMUSG00000005774	406.522	1.722	0.207	8.330	8.1E-17	1.2081E-15	Rfx5
ENSMUSG00000090164	661.025	1.717	0.263	6.518	7.1E-11	6.9129E-10	BC035044
ENSMUSG00000051124	97.828	1.717	0.545	3.150	1.6E-03	0.00620452	Gimap9
ENSMUSG00000089931	23.582	1.715	0.694	2.470	1.3E-02	0.04068692	Gm8459
ENSMUSG00000031609	10652.013	1.713	0.104	16.480	5.1E-61	3.8734E-59	Sap30
ENSMUSG00000039911	7141.522	1.711	0.148	11.559	6.7E-31	1.9551E-29	Spsb1
ENSMUSG00000032712	11036.537	1.709	0.120	14.266	3.6E-46	1.7524E-44	Resf1
ENSMUSG00000025161	14596.400	1.708	0.103	16.642	3.5E-62	2.7017E-60	Slc16a3
ENSMUSG00000031539	2131.119	1.707	0.139	12.244	1.8E-34	6.0814E-33	Ap3m2
ENSMUSG00000114174	13.756	1.705	0.623	2.740	6.1E-03	0.02047528	Cycs-ps3
ENSMUSG00000030681	15252.394	1.705	0.116	14.708	5.7E-49	3.0476E-47	Mvp
ENSMUSG00000034911	25.241	1.700	0.645	2.638	8.3E-03	0.02673249	Ushbp1
ENSMUSG00000036718	1734.132	1.700	0.130	13.081	4.2E-39	1.6879E-37	Mical12
ENSMUSG00000111752	42.384	1.699	0.584	2.911	3.6E-03	0.01271342	Gm38575
ENSMUSG00000018986	442.428	1.698	0.496	3.424	6.2E-04	0.0025459	Slfn3
ENSMUSG00000014602	135.363	1.697	0.434	3.910	9.2E-05	0.00044063	Kif1a
ENSMUSG00000056476	148.997	1.697	0.324	5.245	1.6E-07	1.0897E-06	Med121
ENSMUSG00000050490	200.780	1.697	0.176	9.657	4.6E-22	9.2617E-21	Psma5-ps
ENSMUSG00000094320	49.276	1.696	0.389	4.360	1.3E-05	7.0911E-05	Chchd2-ps
ENSMUSG00000032503	60.946	1.696	0.514	3.296	9.8E-04	0.0038948	Arpp21
ENSMUSG00000024371	34.027	1.695	0.577	2.938	3.3E-03	0.01178603	C2
ENSMUSG00000057191	11061.079	1.694	0.108	15.649	3.4E-55	2.1625E-53	AB124611
ENSMUSG00000079659	4010.477	1.692	0.126	13.462	2.6E-41	1.1135E-39	Tmem243
ENSMUSG00000029314	125.932	1.691	0.369	4.581	4.6E-06	2.6751E-05	Gpat3
ENSMUSG00000028410	8008.134	1.686	0.086	19.654	5.4E-86	7.3116E-84	Dnaj1
ENSMUSG00000035232	3058.353	1.685	0.126	13.336	1.4E-40	5.9518E-39	Pdk3
ENSMUSG00000042345	368.698	1.682	0.296	5.689	1.3E-08	1.0062E-07	Ubash3a
ENSMUSG00000035299	150.006	1.678	0.262	6.413	1.4E-10	1.3555E-09	Mid1
ENSMUSG00000020668	573.194	1.677	0.209	8.015	1.1E-15	1.5262E-14	Kif3c
ENSMUSG00000059301	19.331	1.676	0.543	3.086	2.0E-03	0.00757923	Gm5434
ENSMUSG00000029875	89.215	1.675	0.597	2.807	5.0E-03	0.01707116	Ccdc184
ENSMUSG00000026112	10961.195	1.674	0.110	15.162	6.3E-52	3.677E-50	Coa5
ENSMUSG00000052837	66071.299	1.674	0.091	18.375	2.1E-75	2.2366E-73	Junb
ENSMUSG00000020656	96.320	1.673	0.612	2.734	6.3E-03	0.0207718	Grh11
ENSMUSG00000046688	8331.980	1.672	0.102	16.372	3.1E-60	2.2932E-58	Tifa
ENSMUSG00000019866	1986.029	1.668	0.153	10.902	1.1E-27	2.8926E-26	Crybg1

ENSMUSG00000038555	220.608	1.666	0.459	3.630	2.8E-04	0.00124944	Reep2
ENSMUSG00000037872	80.956	1.665	0.501	3.325	8.9E-04	0.00354244	Ackr1
ENSMUSG00000089999	123.911	1.665	0.243	6.848	7.5E-12	7.8591E-11	Gm6485
ENSMUSG00000022867	12137.047	1.665	0.105	15.794	3.4E-56	2.2545E-54	Usp25
ENSMUSG00000086782	109.918	1.664	0.337	4.944	7.7E-07	4.8816E-06	E130102H24Rik
ENSMUSG00000062794	43.335	1.662	0.568	2.923	3.5E-03	0.0122778	Zfp599
ENSMUSG00000036661	260.535	1.661	0.366	4.544	5.5E-06	3.171E-05	Dennd3
ENSMUSG00000113165	164.155	1.659	0.269	6.169	6.9E-10	6.157E-09	Gm47863
ENSMUSG00000033282	178.702	1.658	0.336	4.928	8.3E-07	5.2616E-06	Rpgrip11
ENSMUSG00000115662	190.903	1.657	0.301	5.514	3.5E-08	2.6481E-07	Gm7232
ENSMUSG00000031805	2154.749	1.657	0.177	9.343	9.4E-21	1.7612E-19	Jak3
ENSMUSG00000041115	1801.445	1.657	0.169	9.833	8.1E-23	1.6884E-21	Iqsec2
ENSMUSG00000028412	5725.135	1.655	0.158	10.473	1.2E-25	2.71E-24	Slc44a1
ENSMUSG00000100033	146.161	1.654	0.207	7.975	1.5E-15	2.0836E-14	Gm8337
ENSMUSG00000026979	13153.508	1.652	0.104	15.817	2.4E-56	1.5746E-54	Psd4
ENSMUSG00000022831	25391.078	1.652	0.070	23.447	1.4E-121	4.419E-119	Hcls1
ENSMUSG00000072244	271.686	1.652	0.199	8.310	9.6E-17	1.4283E-15	Trim6
ENSMUSG00000091421	1136.683	1.652	0.299	5.530	3.2E-08	2.4119E-07	Gm4202
ENSMUSG00000026672	1873.142	1.651	0.121	13.610	3.5E-42	1.5399E-40	Optrn
ENSMUSG00000028028	1313.543	1.648	0.190	8.664	4.6E-18	7.3978E-17	Alpk1
ENSMUSG00000060002	2946.534	1.648	0.197	8.370	5.7E-17	8.6751E-16	Chpt1
ENSMUSG00000038866	1178.860	1.648	0.214	7.687	1.5E-14	1.9261E-13	Zcchc2
ENSMUSG00000061062	165.268	1.648	0.276	5.977	2.3E-09	1.9277E-08	Hdac1-ps
ENSMUSG00000027951	6374.463	1.648	0.203	8.123	4.6E-16	6.504E-15	Adar
ENSMUSG00000036225	290.668	1.647	0.316	5.219	1.8E-07	1.2488E-06	Kctd1
ENSMUSG00000041598	2867.722	1.646	0.108	15.215	2.8E-52	1.6551E-50	Cdc42ep4
ENSMUSG00000002847	322.305	1.646	0.265	6.219	5.0E-10	4.5041E-09	Pla1a
ENSMUSG00000032265	14038.448	1.646	0.143	11.481	1.6E-30	4.7624E-29	Tent5a
ENSMUSG00000026421	15766.131	1.641	0.094	17.456	3.1E-68	2.9057E-66	Csrp1
ENSMUSG00000078780	1258.470	1.640	0.188	8.712	3.0E-18	4.8876E-17	Gm5150
ENSMUSG00000026639	46.249	1.640	0.594	2.760	5.8E-03	0.01936378	Lamb3
ENSMUSG00000101567	524.476	1.639	0.121	13.499	1.6E-41	6.8131E-40	Txn-ps1
ENSMUSG00000003541	15812.368	1.635	0.117	14.032	1.0E-44	4.7039E-43	Ier3
ENSMUSG00000047810	3129.515	1.634	0.144	11.357	6.8E-30	1.9182E-28	Ccdc88b
ENSMUSG00000071537	177.002	1.634	0.387	4.220	2.4E-05	0.00012732	Klrg2
ENSMUSG00000083836	30.663	1.630	0.623	2.617	8.9E-03	0.02816879	Ldha-ps2
ENSMUSG00000029534	1038.455	1.630	0.138	11.853	2.1E-32	6.5202E-31	St7
ENSMUSG00000109428	24.654	1.630	0.587	2.776	5.5E-03	0.01856733	Gm45698
ENSMUSG00000060538	4265.185	1.624	0.143	11.334	8.9E-30	2.4783E-28	Tmem219
ENSMUSG00000053398	4581.877	1.623	0.108	15.030	4.6E-51	2.6531E-49	Phgdh
ENSMUSG00000031586	3834.601	1.622	0.089	18.274	1.3E-74	1.3996E-72	Rbpms
ENSMUSG00000038774	2255.739	1.621	0.157	10.304	6.8E-25	1.5406E-23	Ascc3
ENSMUSG00000100025	47.136	1.621	0.372	4.353	1.3E-05	7.3042E-05	Gm8141
ENSMUSG00000055172	528.292	1.620	0.154	10.534	6.0E-26	1.4275E-24	C1ra
ENSMUSG00000113600	33.749	1.619	0.376	4.304	1.7E-05	8.9864E-05	Gm7868
ENSMUSG00000021360	880.533	1.618	0.187	8.655	4.9E-18	7.9676E-17	Gcnt2
ENSMUSG00000048827	23.975	1.618	0.655	2.472	1.3E-02	0.0405927	Pkd113
ENSMUSG00000071637	14058.502	1.618	0.083	19.606	1.4E-85	1.8525E-83	Cebpd
ENSMUSG00000107211	38.720	1.617	0.427	3.786	1.5E-04	0.00070627	Gm5864
ENSMUSG00000116946	105.442	1.615	0.310	5.212	1.9E-07	1.2906E-06	Gm41442
ENSMUSG00000030108	136.109	1.614	0.270	5.985	2.2E-09	1.8438E-08	Slc6a13
ENSMUSG00000114828	39.910	1.613	0.544	2.964	3.0E-03	0.01090677	AI463229

ENSMUSG00000056692	10706.777	1.607	0.151	10.615	2.5E-26	6.1332E-25	Ilrun
ENSMUSG00000100801	710.400	1.607	0.136	11.776	5.2E-32	1.5851E-30	Gm15459
ENSMUSG00000065651	35.302	1.606	0.460	3.494	4.8E-04	0.00199956	Gm25973
ENSMUSG00000021067	572.430	1.606	0.256	6.284	3.3E-10	3.0378E-09	Sav1
ENSMUSG00000000275	11107.692	1.606	0.163	9.843	7.3E-23	1.5393E-21	Trim25
ENSMUSG00000081255	15.423	1.600	0.591	2.706	6.8E-03	0.02238682	Gm5380
ENSMUSG00000035258	31.947	1.600	0.611	2.619	8.8E-03	0.02807176	Abi3bp
ENSMUSG00000107951	561.694	1.599	0.151	10.594	3.2E-26	7.6025E-25	Gm6210
ENSMUSG00000039116	262.506	1.599	0.384	4.167	3.1E-05	0.00015828	Adgrg6
ENSMUSG00000006389	1096.690	1.595	0.252	6.322	2.6E-10	2.4003E-09	Mpl
ENSMUSG00000114369	208.306	1.593	0.314	5.077	3.8E-07	2.5426E-06	Gm41077
ENSMUSG00000031538	496.684	1.593	0.249	6.393	1.6E-10	1.5333E-09	Plat
ENSMUSG00000102559	34.885	1.593	0.480	3.318	9.1E-04	0.00361819	Gm37570
ENSMUSG00000031304	7674.294	1.591	0.146	10.896	1.2E-27	3.0729E-26	Il2rg
ENSMUSG00000055447	38706.251	1.591	0.094	16.988	1.0E-64	8.5553E-63	Cd47
ENSMUSG00000114733	17.806	1.589	0.646	2.459	1.4E-02	0.0419001	Gm4815
ENSMUSG00000030257	108.426	1.589	0.457	3.480	5.0E-04	0.00210082	Srgap3
ENSMUSG00000028643	3666.735	1.587	0.119	13.312	2.0E-40	8.1589E-39	Svbp
ENSMUSG00000021457	12766.050	1.587	0.071	22.226	1.9E-109	4.251E-107	Syk
ENSMUSG00000074934	1854.930	1.587	0.273	5.818	6.0E-09	4.883E-08	Grem1
ENSMUSG00000024513	926.224	1.585	0.191	8.281	1.2E-16	1.8019E-15	Mbd2
ENSMUSG00000039936	7192.654	1.583	0.108	14.597	2.9E-48	1.5293E-46	Pik3cd
ENSMUSG00000092482	52.642	1.582	0.372	4.246	2.2E-05	0.0001144	Gm20531
ENSMUSG00000038146	125.078	1.579	0.427	3.699	2.2E-04	0.00096956	Notch3
ENSMUSG00000025314	4202.007	1.578	0.102	15.466	5.9E-54	3.625E-52	Ptprj
ENSMUSG00000022094	1409.936	1.577	0.142	11.142	7.8E-29	2.1054E-27	Slc39a14
ENSMUSG00000009035	13541.335	1.577	0.128	12.290	1.0E-34	3.472E-33	Tmem184b
ENSMUSG00000087700	68.629	1.575	0.433	3.635	2.8E-04	0.00122745	Gm15283
ENSMUSG00000068105	125.658	1.573	0.490	3.211	1.3E-03	0.00512961	Tnfrsf13c
ENSMUSG00000020464	3709.665	1.572	0.121	12.987	1.4E-38	5.6237E-37	Pnpt1
ENSMUSG00000020694	2594.231	1.571	0.156	10.091	6.1E-24	1.3328E-22	Tlk2
ENSMUSG00000057054	59.150	1.571	0.535	2.936	3.3E-03	0.01184182	Inca1
ENSMUSG00000054823	11249.918	1.570	0.101	15.562	1.3E-54	8.2826E-53	Nsd3
ENSMUSG00000032034	287.361	1.570	0.349	4.493	7.0E-06	3.9753E-05	Kcnj5
ENSMUSG00000115869	110.625	1.568	0.319	4.922	8.6E-07	5.4355E-06	Gm31814
ENSMUSG00000044827	4429.626	1.568	0.099	15.796	3.3E-56	2.1807E-54	Tlr1
ENSMUSG00000043505	82.523	1.567	0.416	3.767	1.7E-04	0.00075919	Gimap5
ENSMUSG00000071713	15426.993	1.567	0.126	12.425	1.9E-35	6.6236E-34	Csf2rb
ENSMUSG00000020611	16888.262	1.566	0.115	13.632	2.6E-42	1.1441E-40	Gnal3
ENSMUSG00000081665	225.288	1.566	0.304	5.146	2.7E-07	1.8051E-06	Gm15922
ENSMUSG00000020592	11190.545	1.564	0.109	14.398	5.4E-47	2.7112E-45	Sdc1
ENSMUSG00000041135	4977.332	1.564	0.107	14.615	2.2E-48	1.1788E-46	Ripk2
ENSMUSG00000025017	43329.387	1.562	0.142	11.016	3.2E-28	8.3706E-27	Pik3ap1
ENSMUSG00000006014	49.047	1.561	0.600	2.602	9.3E-03	0.02927549	Prg4
ENSMUSG00000034997	60.968	1.561	0.514	3.038	2.4E-03	0.00874763	Htr2a
ENSMUSG00000020572	22667.651	1.560	0.126	12.420	2.0E-35	6.9886E-34	Nampt
ENSMUSG00000026833	388.890	1.560	0.301	5.188	2.1E-07	1.4544E-06	Olfm1
ENSMUSG00000056749	6466.365	1.559	0.119	13.083	4.1E-39	1.6418E-37	Nfil3
ENSMUSG00000018167	12372.979	1.558	0.142	11.007	3.5E-28	9.2072E-27	Stard3
ENSMUSG00000018340	12127.988	1.557	0.124	12.595	2.2E-36	8.0779E-35	Anxa6
ENSMUSG00000047842	123.427	1.555	0.397	3.921	8.8E-05	0.00042214	Diras2
ENSMUSG00000028337	5786.734	1.554	0.192	8.094	5.8E-16	8.1237E-15	Coro2a

ENSMUSG00000043243	138.796	1.554	0.478	3.251	1.2E-03	0.00452206	Niban3
ENSMUSG00000104126	894.421	1.554	0.128	12.121	8.2E-34	2.6879E-32	Gm37486
ENSMUSG00000039062	4766.298	1.553	0.114	13.597	4.2E-42	1.839E-40	Anpep
ENSMUSG00000020275	5442.050	1.553	0.102	15.211	3.0E-52	1.7574E-50	Rel
ENSMUSG00000060477	7632.386	1.553	0.105	14.826	1.0E-49	5.4969E-48	Irak2
ENSMUSG00000104082	35.528	1.553	0.579	2.682	7.3E-03	0.02380412	Gm7115
ENSMUSG00000028128	332.906	1.551	0.302	5.141	2.7E-07	1.8454E-06	F3
ENSMUSG00000100018	40.420	1.549	0.381	4.062	4.9E-05	0.00024329	Gm7776
ENSMUSG00000034165	10841.984	1.549	0.098	15.836	1.8E-56	1.1791E-54	Ccnd3
ENSMUSG00000083892	205.924	1.548	0.213	7.257	4.0E-13	4.6087E-12	Gm1848
ENSMUSG00000056501	34149.900	1.546	0.632	2.448	1.4E-02	0.04298429	Cebpb
ENSMUSG00000039385	28.508	1.546	0.575	2.690	7.2E-03	0.02335085	Cdh6
ENSMUSG00000109255	21.514	1.546	0.507	3.050	2.3E-03	0.00845872	Gm7407
ENSMUSG00000086481	33.917	1.546	0.552	2.802	5.1E-03	0.01734567	Gm11707
ENSMUSG00000082190	48.580	1.545	0.480	3.218	1.3E-03	0.00501889	Gm13641
ENSMUSG00000018341	94.910	1.545	0.366	4.222	2.4E-05	0.00012615	Il12rb2
ENSMUSG00000036402	11681.176	1.544	0.098	15.700	1.5E-55	9.9384E-54	Gng12
ENSMUSG00000001666	525.659	1.541	0.145	10.609	2.7E-26	6.5301E-25	Ddt
ENSMUSG00000027351	3798.548	1.541	0.411	3.753	1.7E-04	0.00079758	Spred1
ENSMUSG00000076621	22.069	1.541	0.485	3.176	1.5E-03	0.00573893	Ighj1
ENSMUSG00000038421	73.418	1.539	0.475	3.239	1.2E-03	0.00469021	Fcrla
ENSMUSG00000106373	32.311	1.538	0.526	2.924	3.5E-03	0.01225742	Gm6522
ENSMUSG00000029860	46443.045	1.538	0.121	12.661	9.8E-37	3.5777E-35	Zyx
ENSMUSG00000000861	348.403	1.537	0.275	5.590	2.3E-08	1.7467E-07	Bcl11a
ENSMUSG00000083186	150.772	1.535	0.473	3.246	1.2E-03	0.00459028	Gm11805
ENSMUSG00000076604	23.688	1.533	0.557	2.751	5.9E-03	0.01984409	Igkj1
ENSMUSG00000081121	70.485	1.533	0.294	5.214	1.9E-07	1.2785E-06	Gm12791
ENSMUSG00000029313	2982.206	1.532	0.148	10.331	5.1E-25	1.1661E-23	Aff1
ENSMUSG00000069792	58615.652	1.531	0.133	11.545	7.8E-31	2.2819E-29	Wfdc17
ENSMUSG00000075286	48.865	1.529	0.519	2.947	3.2E-03	0.01147239	Gm1968
ENSMUSG00000024238	541.033	1.528	0.254	6.019	1.8E-09	1.511E-08	Zeb1
ENSMUSG00000017561	11476.554	1.527	0.118	12.967	1.9E-38	7.3263E-37	Crlf3
ENSMUSG00000034300	5799.799	1.527	0.150	10.167	2.8E-24	6.2353E-23	Fam53c
ENSMUSG00000028496	444.944	1.526	0.277	5.509	3.6E-08	2.7226E-07	Mllt3
ENSMUSG00000021569	809.102	1.523	0.165	9.235	2.6E-20	4.7588E-19	Trip13
ENSMUSG00000037965	6350.042	1.523	0.105	14.516	9.6E-48	4.9679E-46	Zc3h7a
ENSMUSG00000026029	10426.368	1.522	0.122	12.479	9.7E-36	3.4174E-34	Casp8
ENSMUSG00000038594	283.882	1.520	0.273	5.578	2.4E-08	1.863E-07	Cep851
ENSMUSG00000027540	26430.467	1.520	0.084	18.041	9.4E-73	9.4614E-71	Ptpn1
ENSMUSG00000107750	68.119	1.519	0.517	2.942	3.3E-03	0.01165873	Gm44013
ENSMUSG00000078453	4723.545	1.519	0.081	18.848	3.0E-79	3.4861E-77	Abracl
ENSMUSG00000049657	1316.334	1.519	0.182	8.329	8.1E-17	1.219E-15	Zbtb5
ENSMUSG00000090069	46.921	1.519	0.408	3.723	2.0E-04	0.00089137	E430024P14Rik
ENSMUSG00000029086	277.481	1.517	0.318	4.767	1.9E-06	1.1414E-05	Prom1
ENSMUSG00000068749	9342.783	1.517	0.083	18.274	1.3E-74	1.3996E-72	Psma5
ENSMUSG00000026669	546.089	1.517	0.177	8.571	1.0E-17	1.634E-16	Mcm10
ENSMUSG00000053007	3460.475	1.516	0.145	10.485	1.0E-25	2.3863E-24	Creb5
ENSMUSG00000040943	1810.842	1.516	0.127	11.921	9.2E-33	2.9018E-31	Tet2
ENSMUSG00000026204	218.601	1.516	0.400	3.792	1.5E-04	0.00068998	Ptpn
ENSMUSG00000058927	137.966	1.516	0.243	6.234	4.5E-10	4.12E-09	Gm10053
ENSMUSG00000074272	1750.126	1.515	0.198	7.660	1.9E-14	2.3589E-13	Ceacam1
ENSMUSG00000033545	10319.802	1.515	0.105	14.428	3.5E-47	1.7676E-45	Znrf1

ENSMUSG00000025245	923.848	1.510	0.131	11.518	1.1E-30	3.1049E-29	Lztf11
ENSMUSG00000030530	11963.134	1.509	0.121	12.425	1.9E-35	6.6014E-34	Furin
ENSMUSG00000050994	486.698	1.509	0.258	5.847	5.0E-09	4.1205E-08	Adgb
ENSMUSG00000034574	1632.978	1.502	0.179	8.399	4.5E-17	6.8378E-16	Daam1
ENSMUSG00000038807	288.332	1.500	0.339	4.421	9.8E-06	5.4544E-05	Rap1gap2
ENSMUSG00000022822	5546.738	1.500	0.099	15.217	2.7E-52	1.6175E-50	Abcc5
ENSMUSG00000051439	118295.787	1.499	0.203	7.370	1.7E-13	2.0482E-12	Cd14
ENSMUSG00000027583	227.877	1.499	0.381	3.931	8.5E-05	0.00040688	Zbtb46
ENSMUSG00000107586	75.004	1.499	0.570	2.630	8.5E-03	0.02725717	Gm44283
ENSMUSG00000109036	1601.482	1.498	0.182	8.218	2.1E-16	3.003E-15	2210406H18Rik
ENSMUSG00000092517	63.877	1.498	0.495	3.027	2.5E-03	0.00905829	Art2a
ENSMUSG00000001768	18104.276	1.497	0.188	7.948	1.9E-15	2.5756E-14	Rin2
ENSMUSG00000068015	3692.121	1.496	0.112	13.307	2.1E-40	8.7497E-39	Lrch1
ENSMUSG00000027863	68.005	1.494	0.577	2.590	9.6E-03	0.03009762	Cd2
ENSMUSG00000099104	38.261	1.494	0.417	3.579	3.4E-04	0.00149228	Gm17087
ENSMUSG00000042228	28443.853	1.493	0.104	14.384	6.5E-47	3.2842E-45	Lyn
ENSMUSG00000021281	24679.710	1.493	0.101	14.783	1.9E-49	1.0382E-47	Tnfaip2
ENSMUSG00000028532	119.608	1.493	0.370	4.038	5.4E-05	0.00026772	Cachd1
ENSMUSG00000062190	546.274	1.490	0.211	7.075	1.5E-12	1.6578E-11	Lancl2
ENSMUSG00000029502	1995.680	1.490	0.186	8.007	1.2E-15	1.6222E-14	Golga3
ENSMUSG00000107846	67.975	1.489	0.399	3.731	1.9E-04	0.00086426	Gm43963
ENSMUSG00000093798	561.326	1.487	0.113	13.169	1.3E-39	5.3416E-38	Gm8355
ENSMUSG00000105008	33.974	1.487	0.455	3.271	1.1E-03	0.00422398	Gm43652
ENSMUSG00000020303	160.004	1.486	0.335	4.434	9.2E-06	5.137E-05	Stc2
ENSMUSG00000030672	54.877	1.479	0.496	2.980	2.9E-03	0.01040753	Mylpf
ENSMUSG00000027636	222.861	1.478	0.365	4.053	5.0E-05	0.00025213	Sla2
ENSMUSG00000031662	8801.198	1.477	0.093	15.869	1.0E-56	7.0623E-55	Snx20
ENSMUSG00000030102	1133.754	1.477	0.162	9.112	8.1E-20	1.4422E-18	Itpr1
ENSMUSG00000048218	78.661	1.476	0.497	2.972	3.0E-03	0.01068324	Amigo2
ENSMUSG00000025969	11707.492	1.475	0.105	14.001	1.5E-44	7.237E-43	Nrp2
ENSMUSG00000024897	1052.762	1.474	0.173	8.529	1.5E-17	2.3067E-16	Apba1
ENSMUSG00000104040	27.814	1.473	0.530	2.780	5.4E-03	0.01841239	Gm37563
ENSMUSG00000022144	114.255	1.472	0.549	2.681	7.4E-03	0.02391423	Gdnf
ENSMUSG00000062939	267.325	1.471	0.206	7.136	9.6E-13	1.0787E-11	Stat4
ENSMUSG00000003352	774.769	1.471	0.207	7.108	1.2E-12	1.3167E-11	Caenb3
ENSMUSG00000022564	27620.174	1.470	0.100	14.733	4.0E-49	2.1384E-47	Grina
ENSMUSG00000024073	6284.513	1.468	0.088	16.744	6.2E-63	5.0252E-61	Birc6
ENSMUSG00000018654	7125.079	1.468	0.117	12.533	4.9E-36	1.7553E-34	Ikzfl1
ENSMUSG00000028874	4918.510	1.468	0.125	11.713	1.1E-31	3.2901E-30	Fgr
ENSMUSG00000087235	429.636	1.465	0.196	7.481	7.4E-14	9.0621E-13	Gm4750
ENSMUSG00000006342	119.404	1.465	0.520	2.819	4.8E-03	0.01651524	Susd2
ENSMUSG00000037012	14155.930	1.463	0.089	16.365	3.4E-60	2.5417E-58	Hk1
ENSMUSG00000117401	68.799	1.462	0.381	3.837	1.2E-04	0.0005825	4833419F23Rik
ENSMUSG00000026933	846.946	1.461	0.253	5.767	8.1E-09	6.4923E-08	Camsap1
ENSMUSG00000042190	1584.415	1.461	0.115	12.732	3.9E-37	1.449E-35	Cmklr1
ENSMUSG00000060044	1245.575	1.459	0.188	7.772	7.7E-15	1.0062E-13	Tmem26
ENSMUSG00000083902	113.544	1.458	0.284	5.130	2.9E-07	1.956E-06	Tent2-ps1
ENSMUSG00000092626	113.752	1.457	0.350	4.163	3.1E-05	0.00016088	9130230N09Rik
ENSMUSG00000032324	15031.674	1.456	0.125	11.655	2.2E-31	6.4165E-30	Tspan3
ENSMUSG00000103628	19.730	1.455	0.589	2.471	1.3E-02	0.04068151	Gm37361
ENSMUSG00000037697	2065.765	1.455	0.151	9.633	5.8E-22	1.1556E-20	Ddhd1
ENSMUSG00000050921	117.735	1.451	0.531	2.731	6.3E-03	0.02095136	P2ry10

ENSMUSG00000081350	57.235	1.451	0.288	5.037	4.7E-07	3.097E-06	Gm5388
ENSMUSG00000041954	82.282	1.450	0.408	3.551	3.8E-04	0.00164522	Tnfrsf18
ENSMUSG00000036138	8544.216	1.450	0.089	16.336	5.5E-60	4.0317E-58	Acaal1a
ENSMUSG00000032915	763.386	1.449	0.272	5.332	9.7E-08	6.9607E-07	Adgre4
ENSMUSG00000024887	192.142	1.449	0.337	4.297	1.7E-05	9.2674E-05	Asah2
ENSMUSG00000050930	242.615	1.449	0.526	2.756	5.9E-03	0.01958951	Map10
ENSMUSG00000105646	40.659	1.449	0.539	2.686	7.2E-03	0.02355914	Gm30211
ENSMUSG00000053931	3129.083	1.448	0.148	9.772	1.5E-22	3.0474E-21	Cnn3
ENSMUSG00000041488	2749.142	1.448	0.155	9.326	1.1E-20	2.0577E-19	Stx3
ENSMUSG00000021895	3658.169	1.448	0.165	8.787	1.5E-18	2.5726E-17	Arhgef3
ENSMUSG00000038156	266.294	1.447	0.348	4.161	3.2E-05	0.00016246	Spon1
ENSMUSG00000001948	29.573	1.446	0.488	2.963	3.0E-03	0.01093734	Spa17
ENSMUSG00000075502	193.332	1.446	0.320	4.517	6.3E-06	3.5757E-05	Kbtbd6
ENSMUSG00000019818	23265.770	1.446	0.128	11.306	1.2E-29	3.4313E-28	Cd164
ENSMUSG00000018143	3663.141	1.445	0.114	12.690	6.7E-37	2.4722E-35	Mafk
ENSMUSG00000028367	38769.501	1.441	0.103	14.000	1.6E-44	7.3683E-43	Txn1
ENSMUSG00000102856	196.890	1.439	0.323	4.462	8.1E-06	4.562E-05	Gm37084
ENSMUSG00000042719	4531.362	1.439	0.112	12.812	1.4E-37	5.3432E-36	Naa25
ENSMUSG00000019842	519.581	1.438	0.249	5.768	8.0E-09	6.4543E-08	Traf3ip2
ENSMUSG00000064246	16155.572	1.437	0.203	7.077	1.5E-12	1.6404E-11	Chil1
ENSMUSG00000053965	487.217	1.437	0.263	5.473	4.4E-08	3.3011E-07	Pde5a
ENSMUSG00000104291	1716.088	1.435	0.173	8.292	1.1E-16	1.6504E-15	A130071D04Rik
ENSMUSG00000090230	64.155	1.435	0.491	2.919	3.5E-03	0.01242115	Gm16315
ENSMUSG00000037816	3676.406	1.435	0.172	8.318	8.9E-17	1.3355E-15	Fbxw17
ENSMUSG00000090877	105.643	1.435	0.335	4.276	1.9E-05	0.00010088	Hspa1b
ENSMUSG00000083396	92.018	1.434	0.283	5.063	4.1E-07	2.7151E-06	Gm15542
ENSMUSG00000002103	13689.726	1.434	0.094	15.282	1.0E-52	6.0748E-51	Acp2
ENSMUSG00000024785	2956.619	1.433	0.109	13.148	1.8E-39	7.0691E-38	Rcl1
ENSMUSG00000045514	24.592	1.432	0.518	2.762	5.7E-03	0.01927081	Olfra460
ENSMUSG00000035673	15359.248	1.430	0.114	12.533	4.9E-36	1.7553E-34	Sbno2
ENSMUSG00000044285	1808.096	1.430	0.218	6.572	5.0E-11	4.8779E-10	Ubb-ps
ENSMUSG00000039328	189.087	1.429	0.279	5.116	3.1E-07	2.0931E-06	Rnfl22
ENSMUSG00000026576	162.555	1.429	0.295	4.843	1.3E-06	7.9567E-06	Atp1b1
ENSMUSG00000036053	2148.744	1.428	0.195	7.308	2.7E-13	3.2127E-12	Fmnl2
ENSMUSG00000025525	1810.330	1.428	0.136	10.517	7.2E-26	1.698E-24	Apool
ENSMUSG00000031825	554.491	1.428	0.256	5.581	2.4E-08	1.8295E-07	Crispld2
ENSMUSG00000039621	12236.351	1.428	0.114	12.577	2.8E-36	1.016E-34	Prex1
ENSMUSG00000086213	129.062	1.427	0.272	5.244	1.6E-07	1.0965E-06	A330040F15Rik
ENSMUSG00000038518	5031.114	1.427	0.150	9.526	1.6E-21	3.2191E-20	Jarid2
ENSMUSG00000022018	2561.485	1.427	0.130	10.992	4.2E-28	1.0867E-26	Rgcc
ENSMUSG00000020225	8340.275	1.427	0.083	17.184	3.5E-66	3.1202E-64	Tmbim4
ENSMUSG00000022372	3536.618	1.426	0.145	9.836	7.9E-23	1.643E-21	Sla
ENSMUSG00000045210	3796.874	1.424	0.157	9.091	9.9E-20	1.7541E-18	Vcpip1
ENSMUSG00000035505	1366.752	1.421	0.174	8.180	2.8E-16	4.1034E-15	Cox18
ENSMUSG00000005824	341.601	1.421	0.280	5.072	3.9E-07	2.5962E-06	Tnfrsf14
ENSMUSG00000027012	12256.091	1.420	0.128	11.114	1.1E-28	2.8679E-27	Dync1i2
ENSMUSG00000042367	78.940	1.420	0.513	2.766	5.7E-03	0.01906642	Gjb3
ENSMUSG00000078783	255.527	1.420	0.262	5.425	5.8E-08	4.2672E-07	Gm9733
ENSMUSG00000028005	640.934	1.419	0.311	4.561	5.1E-06	2.9376E-05	Gucy1b1
ENSMUSG00000021024	12476.729	1.419	0.065	21.855	7.0E-106	1.446E-103	Psma6
ENSMUSG00000034575	2090.306	1.418	0.225	6.315	2.7E-10	2.5088E-09	Tent4a
ENSMUSG00000051022	89.897	1.416	0.466	3.042	2.4E-03	0.00866533	Hs3st1

ENSMUSG00000063694	4062.778	1.416	0.110	12.830	1.1E-37	4.2481E-36	Cycs
ENSMUSG00000061186	85.717	1.416	0.523	2.706	6.8E-03	0.02240781	Sfmbt2
ENSMUSG00000020709	19856.462	1.416	0.147	9.652	4.8E-22	9.6893E-21	Adap2
ENSMUSG00000087593	46.432	1.415	0.402	3.522	4.3E-04	0.00182053	Gm16174
ENSMUSG00000082054	27.684	1.414	0.490	2.887	3.9E-03	0.01361373	Psmb6-ps
ENSMUSG00000028517	6269.528	1.414	0.115	12.250	1.7E-34	5.6685E-33	Plpp3
ENSMUSG00000021675	2598.545	1.413	0.301	4.692	2.7E-06	1.6191E-05	F2rl2
ENSMUSG00000106115	100.116	1.413	0.413	3.424	6.2E-04	0.00254115	Gm43420
ENSMUSG00000041143	756.699	1.413	0.249	5.663	1.5E-08	1.1659E-07	Tmco4
ENSMUSG00000022148	15684.265	1.412	0.075	18.946	4.7E-80	5.5356E-78	Fyb
ENSMUSG00000089803	30.188	1.412	0.504	2.800	5.1E-03	0.01743604	Gm10171
ENSMUSG00000001542	18322.010	1.411	0.112	12.651	1.1E-36	4.0359E-35	El12
ENSMUSG00000020841	4922.490	1.411	0.132	10.687	1.2E-26	2.8476E-25	Cpd
ENSMUSG00000112843	1041.560	1.411	0.122	11.545	7.9E-31	2.2951E-29	Gm46224
ENSMUSG00000029474	3749.466	1.411	0.171	8.233	1.8E-16	2.6591E-15	Rnf34
ENSMUSG00000118164	63.481	1.410	0.414	3.408	6.6E-04	0.00268421	Gm20570
ENSMUSG00000074813	1879.615	1.410	0.120	11.770	5.6E-32	1.6974E-30	Morrbid
ENSMUSG00000030922	800.759	1.409	0.153	9.211	3.2E-20	5.8691E-19	Lyrml
ENSMUSG00000058624	1900.736	1.408	0.114	12.332	6.1E-35	2.0833E-33	Gda
ENSMUSG00000024190	20638.918	1.407	0.139	10.159	3.0E-24	6.7453E-23	Dusp1
ENSMUSG00000024867	169.515	1.407	0.335	4.203	2.6E-05	0.00013655	Pip5k1b
ENSMUSG00000022684	5040.568	1.406	0.112	12.605	2.0E-36	7.1485E-35	Bfar
ENSMUSG00000083773	17.591	1.404	0.578	2.428	1.5E-02	0.04513353	Gm13394
ENSMUSG00000024018	66.852	1.404	0.495	2.834	4.6E-03	0.01583267	Ccdc167
ENSMUSG00000115518	41.276	1.401	0.479	2.927	3.4E-03	0.0121706	Gm10791
ENSMUSG00000096967	50.836	1.397	0.574	2.435	1.5E-02	0.04434565	Gm26621
ENSMUSG00000029826	16439.183	1.395	0.128	10.867	1.6E-27	4.1788E-26	Zc3hav1
ENSMUSG00000044786	41857.809	1.394	0.125	11.167	5.9E-29	1.6029E-27	Zfp36
ENSMUSG00000032333	2626.454	1.394	0.174	8.001	1.2E-15	1.6958E-14	Stoml1
ENSMUSG00000022747	366.348	1.393	0.272	5.117	3.1E-07	2.0848E-06	St3gal6
ENSMUSG00000064936	66.662	1.392	0.329	4.228	2.4E-05	0.00012349	Gm23722
ENSMUSG00000032965	1104.355	1.391	0.138	10.103	5.4E-24	1.1833E-22	Ift57
ENSMUSG00000026390	10532.266	1.389	0.311	4.460	8.2E-06	4.6038E-05	Marco
ENSMUSG00000033318	610.557	1.389	0.163	8.494	2.0E-17	3.1068E-16	Gstt2
ENSMUSG00000021929	7502.198	1.387	0.114	12.178	4.1E-34	1.3565E-32	Kpna3
ENSMUSG00000061232	235584.334	1.386	0.135	10.266	1.0E-24	2.2724E-23	H2-K1
ENSMUSG00000094242	16.590	1.385	0.568	2.438	1.5E-02	0.04411324	Gm5456
ENSMUSG00000078945	1828.227	1.385	0.176	7.852	4.1E-15	5.426E-14	Naip2
ENSMUSG00000085471	81.412	1.382	0.392	3.529	4.2E-04	0.00177483	4933423P22Rik
ENSMUSG00000078486	154.322	1.381	0.336	4.110	4.0E-05	0.00019989	Perm1
ENSMUSG00000027959	646.252	1.381	0.128	10.758	5.5E-27	1.3573E-25	Sass6
ENSMUSG00000036636	16488.106	1.378	0.089	15.519	2.6E-54	1.607E-52	Clcn7
ENSMUSG00000041754	1407.758	1.374	0.181	7.602	2.9E-14	3.6657E-13	Trem3
ENSMUSG00000082896	248.961	1.374	0.262	5.242	1.6E-07	1.1099E-06	Gm5844
ENSMUSG00000061751	860.144	1.374	0.217	6.339	2.3E-10	2.1629E-09	Kalrn
ENSMUSG00000031729	12237.734	1.374	0.116	11.816	3.2E-32	9.9457E-31	Ist1
ENSMUSG00000021948	28280.461	1.374	0.052	26.208	2.2E-151	1.064E-148	Prkcd
ENSMUSG00000029330	1216.396	1.373	0.207	6.620	3.6E-11	3.5626E-10	Cds1
ENSMUSG00000032323	225.656	1.371	0.560	2.447	1.4E-02	0.04313446	Cyp11a1
ENSMUSG00000071454	725.743	1.370	0.167	8.191	2.6E-16	3.735E-15	Dtnb
ENSMUSG00000038910	3412.177	1.370	0.139	9.826	8.7E-23	1.8184E-21	Plcl2
ENSMUSG00000004043	4422.666	1.368	0.140	9.750	1.8E-22	3.7737E-21	Stat5a

ENSMUSG00000110148	113.961	1.367	0.373	3.664	2.5E-04	0.00110432	5830408C22Rik
ENSMUSG00000073490	14499.039	1.366	0.210	6.513	7.3E-11	7.1113E-10	Ifi207
ENSMUSG00000085401	28.452	1.366	0.469	2.914	3.6E-03	0.0126101	Slc39a1-ps
ENSMUSG00000084289	2592.122	1.366	0.313	4.359	1.3E-05	7.1174E-05	Fth1-ps
ENSMUSG00000004266	21663.772	1.363	0.067	20.271	2.3E-91	3.6284E-89	Ptpn6
ENSMUSG00000021366	1163.237	1.363	0.212	6.432	1.3E-10	1.2004E-09	Hivep1
ENSMUSG00000097113	117.245	1.361	0.277	4.922	8.6E-07	5.4308E-06	Gm19705
ENSMUSG00000041238	2556.668	1.361	0.130	10.467	1.2E-25	2.8807E-24	Rbbp8
ENSMUSG00000059866	3628.492	1.361	0.117	11.649	2.3E-31	6.9036E-30	Tnip2
ENSMUSG00000032902	1497.254	1.360	0.215	6.327	2.5E-10	2.3275E-09	Slc16a1
ENSMUSG00000032249	5620.800	1.358	0.103	13.160	1.5E-39	5.9964E-38	Anp32a
ENSMUSG00000028645	9115.915	1.357	0.096	14.106	3.5E-45	1.6714E-43	Slc2a1
ENSMUSG00000021196	6969.263	1.357	0.090	15.043	3.8E-51	2.2032E-49	Pfkip
ENSMUSG00000005611	800.081	1.357	0.296	4.583	4.6E-06	2.6617E-05	Irag1
ENSMUSG00000081880	23.590	1.357	0.428	3.172	1.5E-03	0.00580487	Gm5385
ENSMUSG00000027469	1720.017	1.356	0.166	8.160	3.3E-16	4.8014E-15	Tpx2
ENSMUSG00000083161	434.019	1.355	0.263	5.155	2.5E-07	1.7192E-06	Gm11427
ENSMUSG00000084067	89.364	1.354	0.272	4.972	6.6E-07	4.2627E-06	Gm14269
ENSMUSG00000092268	142.730	1.354	0.330	4.102	4.1E-05	0.00020689	Gm20540
ENSMUSG00000050002	3833.723	1.353	0.107	12.679	7.7E-37	2.828E-35	Idnk
ENSMUSG00000005667	4871.536	1.353	0.100	13.520	1.2E-41	5.1137E-40	Mthfd2
ENSMUSG00000025877	59055.131	1.350	0.126	10.761	5.3E-27	1.3126E-25	Hk3
ENSMUSG00000050147	418.859	1.350	0.311	4.336	1.5E-05	7.8389E-05	F2rl3
ENSMUSG00000105272	91.500	1.350	0.314	4.304	1.7E-05	8.9802E-05	Gm43071
ENSMUSG00000110469	15.714	1.349	0.544	2.482	1.3E-02	0.03963622	Gm10358
ENSMUSG00000091549	1289.226	1.348	0.278	4.845	1.3E-06	7.886E-06	Gm6548
ENSMUSG00000055632	205.747	1.347	0.274	4.908	9.2E-07	5.8255E-06	Hmcn2
ENSMUSG00000052760	1677.720	1.346	0.131	10.309	6.4E-25	1.4723E-23	A630001G21Rik
ENSMUSG00000044340	380.396	1.345	0.318	4.233	2.3E-05	0.00012067	Phlpp1
ENSMUSG00000027010	6274.729	1.345	0.125	10.752	5.8E-27	1.4426E-25	Slc25a12
ENSMUSG00000082905	19.455	1.345	0.508	2.649	8.1E-03	0.02598932	Gm7823
ENSMUSG00000039682	7240.124	1.343	0.114	11.753	6.8E-32	2.0577E-30	Lap3
ENSMUSG00000053279	93.007	1.342	0.455	2.951	3.2E-03	0.01136134	Aldh1a1
ENSMUSG00000033880	61814.484	1.340	0.162	8.288	1.2E-16	1.7055E-15	Lgals3bp
ENSMUSG00000001248	5143.906	1.338	0.138	9.722	2.4E-22	4.9413E-21	Gramd1a
ENSMUSG00000031627	8638.586	1.338	0.108	12.439	1.6E-35	5.5986E-34	Irf2
ENSMUSG00000020089	4642.055	1.338	0.098	13.627	2.8E-42	1.2207E-40	Ppa1
ENSMUSG00000083367	44.600	1.338	0.396	3.374	7.4E-04	0.00300514	Gm8806
ENSMUSG00000024981	10825.373	1.336	0.079	16.978	1.2E-64	1.0149E-62	Acs15
ENSMUSG00000037239	144.648	1.336	0.339	3.945	8.0E-05	0.00038416	Spred3
ENSMUSG00000031557	6191.921	1.335	0.120	11.110	1.1E-28	3.0157E-27	Plekha2
ENSMUSG00000043336	3424.524	1.334	0.130	10.237	1.4E-24	3.0715E-23	Filip11
ENSMUSG00000047798	4811.639	1.331	0.167	7.967	1.6E-15	2.2268E-14	Cd300lf
ENSMUSG00000061013	154.890	1.331	0.367	3.628	2.9E-04	0.00125572	Mkx
ENSMUSG00000110088	144.181	1.330	0.303	4.385	1.2E-05	6.3597E-05	Gm45343
ENSMUSG00000113743	14.378	1.330	0.530	2.509	1.2E-02	0.03700435	Gm8712
ENSMUSG00000117575	101.018	1.329	0.363	3.664	2.5E-04	0.00110448	Gm36486
ENSMUSG00000037553	921.719	1.326	0.291	4.551	5.3E-06	3.0637E-05	Zdhhc18
ENSMUSG00000040699	19917.594	1.324	0.083	15.984	1.6E-57	1.1463E-55	Limd2
ENSMUSG00000056144	1238.551	1.324	0.250	5.288	1.2E-07	8.742E-07	Trim34a
ENSMUSG00000017929	5772.790	1.323	0.163	8.143	3.8E-16	5.4894E-15	B4galt5
ENSMUSG00000072889	3861.743	1.323	0.177	7.475	7.7E-14	9.4493E-13	Nfx11

ENSMUSG00000028842	2910.816	1.321	0.133	9.949	2.5E-23	5.4182E-22	Ago3
ENSMUSG00000035248	6024.513	1.320	0.113	11.637	2.7E-31	7.9046E-30	Tut7
ENSMUSG00000015970	84.861	1.318	0.379	3.473	5.1E-04	0.0021519	Chdh
ENSMUSG00000000078	27186.130	1.316	0.114	11.508	1.2E-30	3.5027E-29	Klf6
ENSMUSG00000029552	4476.147	1.316	0.126	10.422	2.0E-25	4.5528E-24	Tes
ENSMUSG00000049327	3956.002	1.316	0.127	10.401	2.5E-25	5.6869E-24	Kmt5a
ENSMUSG00000026797	1583.023	1.316	0.178	7.378	1.6E-13	1.9387E-12	Stxbp1
ENSMUSG00000102425	85.723	1.315	0.522	2.520	1.2E-02	0.03606796	Gm26616
ENSMUSG00000051306	1974.038	1.313	0.134	9.826	8.7E-23	1.8082E-21	Usp42
ENSMUSG00000020044	5635.801	1.313	0.146	8.962	3.2E-19	5.5544E-18	Timp3
ENSMUSG00000028071	129.432	1.312	0.436	3.011	2.6E-03	0.00949889	Sh2d2a
ENSMUSG00000029401	9654.518	1.310	0.101	12.944	2.5E-38	9.7696E-37	Rilpl2
ENSMUSG00000017715	8238.827	1.309	0.079	16.657	2.7E-62	2.134E-60	Pgs1
ENSMUSG00000019990	680.856	1.309	0.263	4.969	6.7E-07	4.3183E-06	Pde7b
ENSMUSG00000037075	2368.707	1.308	0.138	9.473	2.7E-21	5.2505E-20	Rnfl39
ENSMUSG00000061731	999.102	1.308	0.223	5.862	4.6E-09	3.781E-08	Ext1
ENSMUSG00000085295	3201.546	1.308	0.200	6.531	6.5E-11	6.3453E-10	4930430E12Rik
ENSMUSG00000055200	3777.582	1.307	0.150	8.696	3.4E-18	5.61E-17	Sertad3
ENSMUSG00000019564	1514.986	1.307	0.154	8.468	2.5E-17	3.848E-16	Arid3a
ENSMUSG00000021133	8057.535	1.305	0.115	11.303	1.3E-29	3.5338E-28	Susd6
ENSMUSG00000097350	30.436	1.305	0.539	2.422	1.5E-02	0.04580433	4732491K20Rik
ENSMUSG00000014349	8628.167	1.304	0.142	9.154	5.5E-20	9.937E-19	Ube2z
ENSMUSG00000021266	7635.667	1.304	0.097	13.464	2.6E-41	1.089E-39	Wars
ENSMUSG00000032009	227.432	1.303	0.313	4.167	3.1E-05	0.00015826	Sesn3
ENSMUSG00000024601	5717.697	1.303	0.125	10.435	1.7E-25	3.993E-24	Isoc1
ENSMUSG00000002108	7092.186	1.303	0.178	7.328	2.3E-13	2.7859E-12	Nrlh3
ENSMUSG00000072941	3046.959	1.302	0.179	7.286	3.2E-13	3.7632E-12	Sod3
ENSMUSG00000055676	24.936	1.302	0.538	2.421	1.5E-02	0.04594777	Gm5069
ENSMUSG00000021451	13134.414	1.300	0.106	12.291	1.0E-34	3.4306E-33	Sema4d
ENSMUSG00000031520	358.046	1.300	0.295	4.412	1.0E-05	5.6617E-05	Vegfc
ENSMUSG00000052296	1723.775	1.299	0.178	7.289	3.1E-13	3.6838E-12	Ppp6r1
ENSMUSG00000105905	23.987	1.297	0.421	3.082	2.1E-03	0.0076751	Gm7709
ENSMUSG00000014850	411.928	1.297	0.238	5.451	5.0E-08	3.7049E-07	Msh3
ENSMUSG00000043017	1921.523	1.297	0.201	6.464	1.0E-10	9.8026E-10	Ptgir
ENSMUSG00000083041	30.621	1.297	0.423	3.068	2.2E-03	0.00800495	Gmfg-ps
ENSMUSG00000016559	124801.569	1.297	0.108	12.026	2.6E-33	8.385E-32	H3f3b
ENSMUSG00000092572	231.435	1.297	0.231	5.601	2.1E-08	1.6394E-07	Serpinb10
ENSMUSG00000030830	8320.629	1.296	0.109	11.879	1.5E-32	4.7952E-31	Itgal
ENSMUSG00000048521	247.121	1.296	0.227	5.713	1.1E-08	8.8392E-08	Cxcr6
ENSMUSG00000030188	1391.378	1.295	0.114	11.397	4.3E-30	1.2203E-28	Magohb
ENSMUSG00000019857	1038.908	1.295	0.136	9.516	1.8E-21	3.5109E-20	Asfla
ENSMUSG00000014030	82.466	1.293	0.450	2.875	4.0E-03	0.01409295	Pax5
ENSMUSG00000030199	4656.583	1.292	0.117	11.058	2.0E-28	5.3165E-27	Etv6
ENSMUSG00000035382	2642.278	1.291	0.131	9.869	5.7E-23	1.197E-21	Pcsk7
ENSMUSG00000047565	36.103	1.291	0.402	3.210	1.3E-03	0.00514955	Acot10
ENSMUSG00000097000	262.560	1.291	0.324	3.979	6.9E-05	0.00033796	Gm17435
ENSMUSG00000022895	4911.744	1.290	0.115	11.229	2.9E-29	8.0739E-28	Ets2
ENSMUSG00000027519	6901.912	1.288	0.112	11.470	1.9E-30	5.3485E-29	Rab22a
ENSMUSG00000109336	2357.956	1.286	0.121	10.641	1.9E-26	4.6796E-25	Samd4b
ENSMUSG00000037336	781.930	1.286	0.298	4.309	1.6E-05	8.7835E-05	Mfsd2b
ENSMUSG00000059108	1014.701	1.286	0.155	8.290	1.1E-16	1.6834E-15	Ifitm6
ENSMUSG00000079037	2105.711	1.284	0.129	9.958	2.3E-23	5.0048E-22	Prnp

ENSMUSG00000026721	1381.014	1.284	0.162	7.948	1.9E-15	2.5778E-14	Rabgap11
ENSMUSG00000029063	17294.385	1.283	0.072	17.866	2.2E-71	2.141E-69	Nadk
ENSMUSG00000103032	101.893	1.283	0.432	2.970	3.0E-03	0.01072704	Gm37121
ENSMUSG00000022175	19143.827	1.283	0.089	14.472	1.8E-47	9.3816E-46	Lrp10
ENSMUSG00000079580	34.338	1.282	0.496	2.584	9.8E-03	0.03059312	Tmem217
ENSMUSG00000019817	138.258	1.281	0.506	2.533	1.1E-02	0.03491909	Plagl1
ENSMUSG00000097354	399.937	1.280	0.178	7.186	6.7E-13	7.6313E-12	2310001H17Rik
ENSMUSG00000081552	98.229	1.279	0.247	5.170	2.3E-07	1.5941E-06	Gm12328
ENSMUSG00000029581	6928.887	1.278	0.131	9.721	2.5E-22	5.0018E-21	Fscn1
ENSMUSG00000090224	298.686	1.277	0.318	4.011	6.0E-05	0.00029799	Gm15974
ENSMUSG00000039004	318.235	1.277	0.271	4.717	2.4E-06	1.4395E-05	Bmp6
ENSMUSG00000033885	6639.805	1.275	0.139	9.147	5.9E-20	1.0593E-18	Pxk
ENSMUSG00000033256	138.461	1.275	0.363	3.509	4.5E-04	0.00190373	Shf
ENSMUSG00000025337	7548.278	1.274	0.088	14.468	1.9E-47	9.8357E-46	Sbds
ENSMUSG00000029156	2135.388	1.274	0.160	7.957	1.8E-15	2.4064E-14	Sgcb
ENSMUSG00000022587	135174.358	1.274	0.186	6.840	7.9E-12	8.2866E-11	Ly6e
ENSMUSG00000074579	122.254	1.274	0.423	3.011	2.6E-03	0.00950451	Lekr1
ENSMUSG00000051498	1317.180	1.274	0.159	8.028	9.9E-16	1.3722E-14	Tlr6
ENSMUSG00000038612	40884.968	1.273	0.108	11.785	4.7E-32	1.4309E-30	Mcl1
ENSMUSG00000035107	409.388	1.273	0.196	6.510	7.5E-11	7.2839E-10	Dcbld2
ENSMUSG00000035392	5628.914	1.272	0.132	9.602	7.9E-22	1.5602E-20	Dennd1a
ENSMUSG00000020534	351.038	1.272	0.289	4.401	1.1E-05	5.9491E-05	Shmt1
ENSMUSG00000082321	116.820	1.270	0.294	4.323	1.5E-05	8.2866E-05	Gm14253
ENSMUSG00000022824	227.383	1.270	0.308	4.121	3.8E-05	0.00019078	Muc13
ENSMUSG00000096745	44.077	1.269	0.357	3.560	3.7E-04	0.00159555	Gm12622
ENSMUSG00000071714	9581.203	1.269	0.135	9.372	7.1E-21	1.3428E-19	Csf2rb2
ENSMUSG00000105461	53.853	1.269	0.340	3.731	1.9E-04	0.00086601	Gm4742
ENSMUSG00000110188	17.833	1.268	0.498	2.547	1.1E-02	0.03367405	Gm45432
ENSMUSG00000027220	1021.439	1.268	0.255	4.970	6.7E-07	4.2966E-06	Syt13
ENSMUSG00000098154	28.528	1.266	0.396	3.198	1.4E-03	0.00534904	Gm5787
ENSMUSG00000032184	268.543	1.265	0.263	4.817	1.5E-06	8.9836E-06	Lysmd2
ENSMUSG00000015656	73452.268	1.263	0.075	16.873	7.1E-64	5.874E-62	Hspa8
ENSMUSG00000093973	48.882	1.260	0.414	3.044	2.3E-03	0.00861423	Mrgpra2a
ENSMUSG00000023010	95040.427	1.260	0.075	16.744	6.3E-63	5.0358E-61	Tmbim6
ENSMUSG00000029553	1794.226	1.260	0.126	9.970	2.1E-23	4.4522E-22	Tfec
ENSMUSG00000027322	2431.219	1.259	0.245	5.148	2.6E-07	1.779E-06	Siglec1
ENSMUSG00000032369	2568.206	1.259	0.116	10.815	2.9E-27	7.326E-26	Plscr1
ENSMUSG00000105199	53.989	1.259	0.525	2.398	1.6E-02	0.04853831	Gm43581
ENSMUSG00000031393	2172.365	1.257	0.112	11.210	3.6E-29	9.8931E-28	Mecp2
ENSMUSG00000031880	1022.164	1.256	0.130	9.672	4.0E-22	8.022E-21	Rrad
ENSMUSG00000034731	1446.091	1.255	0.138	9.087	1.0E-19	1.8131E-18	Dgkh
ENSMUSG00000087007	263.588	1.255	0.455	2.757	5.8E-03	0.01955654	Gm2231
ENSMUSG00000026196	48.187	1.254	0.438	2.865	4.2E-03	0.01449894	Bard1
ENSMUSG00000057110	1757.753	1.254	0.129	9.696	3.1E-22	6.3591E-21	Cntrl
ENSMUSG00000002602	23369.937	1.253	0.106	11.812	3.4E-32	1.0406E-30	Axl
ENSMUSG00000005483	7644.968	1.252	0.093	13.485	1.9E-41	8.189E-40	Dnajb1
ENSMUSG00000085741	611.477	1.252	0.185	6.757	1.4E-11	1.4386E-10	5430405H02Rik
ENSMUSG00000032119	953.545	1.250	0.163	7.694	1.4E-14	1.836E-13	Hinfp
ENSMUSG00000103572	67.135	1.247	0.448	2.782	5.4E-03	0.01827427	Gm37115
ENSMUSG00000019843	1974.569	1.247	0.152	8.188	2.7E-16	3.8311E-15	Fyn
ENSMUSG00000026395	35904.944	1.247	0.080	15.566	1.2E-54	7.7646E-53	Ptprc
ENSMUSG00000038658	3687.537	1.246	0.134	9.281	1.7E-20	3.1183E-19	Ric1

ENSMUSG00000047181	952.442	1.246	0.243	5.131	2.9E-07	1.9436E-06	Samd14
ENSMUSG00000044468	902.968	1.246	0.335	3.718	2.0E-04	0.00090578	Tent5c
ENSMUSG00000114023	22.381	1.244	0.492	2.529	1.1E-02	0.03523658	Gm6474
ENSMUSG00000107428	29.062	1.244	0.521	2.388	1.7E-02	0.04969412	Gm44154
ENSMUSG00000019929	649.483	1.244	0.285	4.368	1.3E-05	6.8308E-05	Dcn
ENSMUSG00000000732	1355.770	1.243	0.192	6.471	9.7E-11	9.3319E-10	Icos1
ENSMUSG00000022973	4230.244	1.243	0.151	8.248	1.6E-16	2.3609E-15	Synj1
ENSMUSG00000074629	603.901	1.242	0.172	7.204	5.8E-13	6.7419E-12	4930518I15Rik
ENSMUSG00000078994	478.582	1.241	0.216	5.736	9.7E-09	7.7636E-08	Zfp429
ENSMUSG00000026815	689.088	1.241	0.314	3.945	8.0E-05	0.00038422	Gfi1b
ENSMUSG00000023224	3664.260	1.241	0.146	8.527	1.5E-17	2.3605E-16	Serping1
ENSMUSG00000015501	656.336	1.241	0.196	6.323	2.6E-10	2.3899E-09	Hivep2
ENSMUSG00000079685	589.390	1.240	0.184	6.755	1.4E-11	1.4634E-10	Ulbp1
ENSMUSG00000004814	1866.663	1.240	0.270	4.594	4.3E-06	2.5271E-05	Ccl24
ENSMUSG00000070729	42.829	1.240	0.365	3.399	6.8E-04	0.00276665	Gm12966
ENSMUSG00000037434	997.164	1.239	0.267	4.643	3.4E-06	2.0338E-05	Slc30a1
ENSMUSG00000025791	3405.884	1.238	0.113	10.927	8.6E-28	2.2136E-26	Pgm1
ENSMUSG00000063445	810.677	1.237	0.169	7.303	2.8E-13	3.3448E-12	Nmral1
ENSMUSG00000001630	862.858	1.237	0.177	6.998	2.6E-12	2.8514E-11	Stk381
ENSMUSG00000031402	18383.014	1.236	0.097	12.721	4.5E-37	1.6748E-35	Mpp1
ENSMUSG00000110206	112.860	1.236	0.340	3.635	2.8E-04	0.0012284	Flt3l
ENSMUSG00000020115	6180.965	1.236	0.111	11.092	1.4E-28	3.6626E-27	Tbk1
ENSMUSG00000050473	416.358	1.235	0.278	4.449	8.6E-06	4.8328E-05	Slc35d3
ENSMUSG00000002881	5457.141	1.235	0.238	5.178	2.2E-07	1.5329E-06	Nab1
ENSMUSG00000117975	2354.980	1.234	0.151	8.178	2.9E-16	4.1506E-15	Itprlp
ENSMUSG00000099397	81.565	1.233	0.279	4.414	1.0E-05	5.6134E-05	Gm7809
ENSMUSG00000003308	7527.560	1.233	0.108	11.468	1.9E-30	5.5099E-29	Keap1
ENSMUSG00000020743	2525.051	1.233	0.099	12.446	1.5E-35	5.1214E-34	Mif4gd
ENSMUSG00000024404	15170.737	1.231	0.091	13.541	8.9E-42	3.8766E-40	Riok3
ENSMUSG00000037161	140.344	1.231	0.372	3.310	9.3E-04	0.00371816	Mgarp
ENSMUSG00000029449	550.115	1.230	0.247	4.980	6.4E-07	4.1001E-06	Rhof
ENSMUSG00000075700	1456.822	1.229	0.130	9.472	2.8E-21	5.326E-20	Selenot
ENSMUSG00000031154	13439.854	1.229	0.127	9.671	4.0E-22	8.0362E-21	Otud5
ENSMUSG00000030055	637.226	1.229	0.204	6.034	1.6E-09	1.38E-08	Rab43
ENSMUSG00000026347	86.383	1.228	0.466	2.635	8.4E-03	0.02695026	Tmem163
ENSMUSG00000048106	976.171	1.228	0.135	9.061	1.3E-19	2.285E-18	4632415L05Rik
ENSMUSG00000024431	8253.055	1.227	0.123	10.004	1.5E-23	3.1673E-22	Nr3c1
ENSMUSG00000021356	133.890	1.226	0.372	3.297	9.8E-04	0.00388733	Irf4
ENSMUSG00000027030	647.443	1.226	0.183	6.714	1.9E-11	1.9175E-10	Stk39
ENSMUSG00000028630	2286.349	1.225	0.134	9.166	4.9E-20	8.9223E-19	Dyrk2
ENSMUSG00000074978	74.205	1.225	0.309	3.966	7.3E-05	0.00035517	Actg-ps1
ENSMUSG00000039536	6545.919	1.225	0.113	10.800	3.4E-27	8.621E-26	Stau1
ENSMUSG00000020128	1870.723	1.225	0.187	6.556	5.5E-11	5.4053E-10	Vps54
ENSMUSG00000044477	4791.336	1.225	0.092	13.322	1.7E-40	7.1476E-39	Zfand3
ENSMUSG00000027215	5678.239	1.224	0.086	14.162	1.6E-45	7.6524E-44	Cd82
ENSMUSG00000032783	217.876	1.224	0.317	3.858	1.1E-04	0.00053646	Troap
ENSMUSG00000100222	59.339	1.222	0.300	4.071	4.7E-05	0.00023414	Psmb6-ps2
ENSMUSG00000059436	2625.550	1.222	0.159	7.707	1.3E-14	1.6569E-13	Max
ENSMUSG00000032548	461.126	1.222	0.235	5.210	1.9E-07	1.3024E-06	Slco2a1
ENSMUSG00000071715	15447.539	1.222	0.080	15.353	3.4E-53	2.0657E-51	Ncf4
ENSMUSG00000083960	54.834	1.220	0.327	3.733	1.9E-04	0.0008589	Gm4918
ENSMUSG00000084260	100.701	1.220	0.342	3.562	3.7E-04	0.00158595	Gm12844

ENSMUSG00000019796	960.749	1.219	0.223	5.474	4.4E-08	3.2805E-07	Lrp11
ENSMUSG00000020689	3672.017	1.219	0.208	5.865	4.5E-09	3.732E-08	Itgb3
ENSMUSG00000037062	24482.584	1.219	0.091	13.414	5.0E-41	2.122E-39	Sh3glb1
ENSMUSG00000074677	1574.816	1.217	0.163	7.461	8.6E-14	1.0488E-12	Sirpb1c
ENSMUSG00000029405	14075.599	1.215	0.103	11.755	6.7E-32	2.0223E-30	G3bp2
ENSMUSG00000086507	7292.560	1.215	0.172	7.076	1.5E-12	1.6454E-11	Adap2os
ENSMUSG00000073418	337.216	1.215	0.322	3.776	1.6E-04	0.00073354	C4b
ENSMUSG00000024457	5355.152	1.215	0.144	8.458	2.7E-17	4.1892E-16	Trim26
ENSMUSG00000060802	188886.582	1.214	0.129	9.391	6.0E-21	1.1322E-19	B2m
ENSMUSG00000075254	741.977	1.214	0.212	5.723	1.0E-08	8.3513E-08	Heg1
ENSMUSG00000104436	484.813	1.213	0.228	5.316	1.1E-07	7.5424E-07	Gm37423
ENSMUSG00000063236	3165.571	1.213	0.106	11.419	3.4E-30	9.6017E-29	1110038F14Rik
ENSMUSG00000040043	1923.430	1.211	0.115	10.491	9.5E-26	2.2471E-24	Rbms2
ENSMUSG00000073557	646.070	1.210	0.175	6.912	4.8E-12	5.1067E-11	Ppp1r12b
ENSMUSG00000020787	1222.809	1.210	0.212	5.716	1.1E-08	8.6555E-08	P2rx1
ENSMUSG00000036634	286.982	1.209	0.341	3.544	3.9E-04	0.00168503	Mag
ENSMUSG00000019979	2201.212	1.209	0.135	8.944	3.8E-19	6.486E-18	Apaf1
ENSMUSG00000026009	82.248	1.208	0.445	2.713	6.7E-03	0.02199295	Icos
ENSMUSG00000034116	11823.711	1.208	0.068	17.863	2.3E-71	2.2298E-69	Vav1
ENSMUSG00000112597	28.112	1.208	0.460	2.625	8.7E-03	0.02761707	Gm4777
ENSMUSG00000016255	730.325	1.207	0.344	3.505	4.6E-04	0.00192636	Tubb1
ENSMUSG00000047878	289.284	1.207	0.228	5.287	1.2E-07	8.7638E-07	A4galt
ENSMUSG00000026068	360.096	1.207	0.338	3.577	3.5E-04	0.00150329	Il18rap
ENSMUSG00000034664	4557.528	1.206	0.238	5.069	4.0E-07	2.6437E-06	Itga2b
ENSMUSG00000027508	869.207	1.202	0.192	6.253	4.0E-10	3.6853E-09	Pag1
ENSMUSG00000057554	8400.891	1.202	0.124	9.685	3.5E-22	7.0733E-21	Lgals8
ENSMUSG00000032024	666.584	1.201	0.199	6.033	1.6E-09	1.3895E-08	Clmp
ENSMUSG00000087370	3345.266	1.201	0.123	9.787	1.3E-22	2.6489E-21	Tmem170b
ENSMUSG00000022512	325.937	1.200	0.263	4.562	5.1E-06	2.9198E-05	Cldn1
ENSMUSG00000038550	265.933	1.199	0.294	4.083	4.4E-05	0.00022299	Ciart
ENSMUSG00000089647	241.549	1.198	0.309	3.878	1.1E-04	0.00049724	Gm2245
ENSMUSG00000040007	1680.895	1.197	0.229	5.216	1.8E-07	1.2658E-06	Bahd1
ENSMUSG00000003226	3433.637	1.197	0.131	9.102	8.9E-20	1.5898E-18	Ranbp2
ENSMUSG00000032202	1889.718	1.195	0.132	9.073	1.2E-19	2.0534E-18	Rab27a
ENSMUSG00000022864	990.240	1.195	0.196	6.102	1.0E-09	9.2023E-09	Dl16Ertd472e
ENSMUSG00000092526	81.902	1.194	0.436	2.738	6.2E-03	0.02055355	Gm17907
ENSMUSG00000034343	9158.138	1.193	0.071	16.829	1.5E-63	1.2131E-61	Ube2f
ENSMUSG00000064181	830.447	1.193	0.200	5.956	2.6E-09	2.1875E-08	Rab3ip
ENSMUSG00000033902	580.655	1.193	0.223	5.358	8.4E-08	6.0799E-07	Mapkbp1
ENSMUSG00000102964	206.288	1.192	0.277	4.306	1.7E-05	8.8955E-05	9430034N14Rik
ENSMUSG00000092134	60.503	1.192	0.416	2.865	4.2E-03	0.01448085	Gm17089
ENSMUSG00000032344	1384.741	1.192	0.167	7.126	1.0E-12	1.1599E-11	Cgas
ENSMUSG00000036002	4173.823	1.192	0.120	9.953	2.4E-23	5.2209E-22	Fam214b
ENSMUSG00000048832	6772.976	1.191	0.106	11.235	2.7E-29	7.528E-28	Vps37c
ENSMUSG00000083166	373.896	1.190	0.173	6.884	5.8E-12	6.1694E-11	Gm8648
ENSMUSG00000047153	1216.392	1.190	0.167	7.149	8.7E-13	9.8862E-12	Khynyn
ENSMUSG00000087569	807.662	1.189	0.139	8.570	1.0E-17	1.6501E-16	Actb-ps1
ENSMUSG00000022964	8702.455	1.187	0.114	10.442	1.6E-25	3.7237E-24	Tmem50b
ENSMUSG00000031701	16253.917	1.187	0.086	13.846	1.4E-43	6.1355E-42	Dnaja2
ENSMUSG00000042772	4691.212	1.187	0.091	13.036	7.6E-39	3.0123E-37	Smg7
ENSMUSG00000041390	5616.361	1.184	0.123	9.650	4.9E-22	9.8448E-21	Mdfic
ENSMUSG00000060791	3617.953	1.184	0.130	9.129	6.9E-20	1.2405E-18	Gmfg

ENSMUSG00000019832	26841.852	1.183	0.078	15.089	1.9E-51	1.11E-49	Rab32
ENSMUSG00000092325	52.271	1.183	0.335	3.535	4.1E-04	0.00173811	Gm18284
ENSMUSG00000032841	1094.391	1.183	0.225	5.267	1.4E-07	9.7541E-07	Prr51
ENSMUSG00000085486	43.131	1.183	0.402	2.940	3.3E-03	0.01172989	Gm11634
ENSMUSG00000057193	4263.906	1.182	0.113	10.433	1.8E-25	4.0836E-24	Slc44a2
ENSMUSG00000078810	473.885	1.182	0.327	3.617	3.0E-04	0.00130424	Gp6
ENSMUSG00000031174	110.620	1.181	0.397	2.976	2.9E-03	0.01053667	Rpgr
ENSMUSG00000037172	244.976	1.181	0.235	5.035	4.8E-07	3.123E-06	Dennd11
ENSMUSG00000022965	19402.890	1.181	0.079	14.873	4.9E-50	2.7297E-48	Ifngr2
ENSMUSG00000026069	1152.851	1.180	0.215	5.479	4.3E-08	3.1973E-07	Il1rl1
ENSMUSG00000048234	9356.832	1.179	0.105	11.237	2.7E-29	7.3753E-28	Rnfl149
ENSMUSG00000040811	542.459	1.177	0.207	5.699	1.2E-08	9.5095E-08	Eml2
ENSMUSG00000085347	70.507	1.177	0.458	2.568	1.0E-02	0.03188515	Hk1os
ENSMUSG00000024539	3246.447	1.177	0.097	12.111	9.2E-34	3.0219E-32	Ptpn2
ENSMUSG00000020737	25977.381	1.176	0.066	17.788	8.8E-71	8.5018E-69	Jpt1
ENSMUSG00000007458	34567.244	1.176	0.074	15.854	1.3E-56	8.8792E-55	M6pr
ENSMUSG00000043051	214.863	1.175	0.245	4.789	1.7E-06	1.0304E-05	Disc1
ENSMUSG00000057948	2493.425	1.173	0.127	9.234	2.6E-20	4.8047E-19	Unc13d
ENSMUSG00000104434	55.064	1.173	0.329	3.566	3.6E-04	0.0015605	Gm37421
ENSMUSG00000069873	554.510	1.173	0.275	4.256	2.1E-05	0.00010958	4930438A08Rik
ENSMUSG00000111160	542.068	1.172	0.245	4.783	1.7E-06	1.0597E-05	Gm48855
ENSMUSG00000021831	3697.208	1.171	0.111	10.560	4.6E-26	1.0879E-24	Ero1a
ENSMUSG00000039294	7660.071	1.171	0.102	11.477	1.7E-30	4.9503E-29	Cybc1
ENSMUSG00000062380	615.383	1.169	0.276	4.238	2.3E-05	0.00011859	Tubb3
ENSMUSG00000039158	3437.140	1.169	0.117	9.999	1.5E-23	3.3265E-22	Akna
ENSMUSG00000057789	3094.622	1.167	0.145	8.037	9.2E-16	1.2847E-14	Bak1
ENSMUSG00000080775	40.026	1.166	0.332	3.507	4.5E-04	0.00191679	Gm6368
ENSMUSG00000025036	1045.596	1.165	0.131	8.897	5.7E-19	9.8047E-18	Sfxn2
ENSMUSG00000069895	797.581	1.165	0.155	7.524	5.3E-14	6.608E-13	Atxn11
ENSMUSG00000083089	54.362	1.165	0.302	3.856	1.2E-04	0.00054086	Gm4760
ENSMUSG00000082691	40.216	1.164	0.394	2.950	3.2E-03	0.0113641	Dynlt1-ps1
ENSMUSG00000047867	393.765	1.163	0.229	5.083	3.7E-07	2.4716E-06	Gimap6
ENSMUSG00000045038	152.839	1.163	0.360	3.228	1.2E-03	0.00485821	Prkce
ENSMUSG00000035547	1073.235	1.161	0.196	5.921	3.2E-09	2.6925E-08	Capn5
ENSMUSG00000030930	583.105	1.161	0.192	6.043	1.5E-09	1.3099E-08	Chst15
ENSMUSG00000032089	8031.434	1.160	0.146	7.968	1.6E-15	2.2048E-14	Il10ra
ENSMUSG00000022037	2667.987	1.159	0.257	4.504	6.7E-06	3.7932E-05	Clu
ENSMUSG00000118134	48.341	1.158	0.417	2.777	5.5E-03	0.01851835	4930549G23Rik
ENSMUSG00000020023	3083.689	1.158	0.166	6.976	3.0E-12	3.313E-11	Tmcc3
ENSMUSG00000037331	1063.772	1.158	0.190	6.103	1.0E-09	9.1289E-09	Larp1
ENSMUSG00000034573	127.510	1.157	0.458	2.526	1.2E-02	0.03550574	Ptpn13
ENSMUSG00000107863	47.109	1.157	0.384	3.011	2.6E-03	0.00949853	Gm44389
ENSMUSG00000017713	546.305	1.157	0.267	4.329	1.5E-05	8.0606E-05	Tha1
ENSMUSG00000030447	27531.992	1.157	0.131	8.804	1.3E-18	2.2078E-17	Cyfip1
ENSMUSG00000043671	291.352	1.156	0.271	4.271	1.9E-05	0.000103	Dpy1913
ENSMUSG00000024732	6880.570	1.155	0.078	14.879	4.5E-50	2.5001E-48	Ccdc86
ENSMUSG00000028954	4687.304	1.155	0.100	11.559	6.6E-31	1.9378E-29	Nub1
ENSMUSG00000052013	64.958	1.155	0.461	2.508	1.2E-02	0.03713955	Btla
ENSMUSG00000071757	315.848	1.155	0.248	4.662	3.1E-06	1.8596E-05	Zhx2
ENSMUSG00000096160	33.968	1.153	0.370	3.113	1.9E-03	0.00697526	Gm3436
ENSMUSG00000084013	77.298	1.153	0.274	4.213	2.5E-05	0.00013108	Gm14270
ENSMUSG00000072621	1952.640	1.151	0.168	6.863	6.7E-12	7.0736E-11	Slfn10-ps

ENSMUSG00000050675	1360.315	1.151	0.275	4.184	2.9E-05	0.00014744	Gp1ba
ENSMUSG00000021242	82813.823	1.151	0.124	9.295	1.5E-20	2.7477E-19	Npc2
ENSMUSG00000002111	65806.555	1.150	0.073	15.813	2.5E-56	1.6909E-54	Sp1l
ENSMUSG00000022757	10242.003	1.150	0.102	11.296	1.4E-29	3.7965E-28	Tfg
ENSMUSG00000078995	171.092	1.149	0.390	2.948	3.2E-03	0.01142915	Zfp456
ENSMUSG00000035105	618.545	1.148	0.194	5.928	3.1E-09	2.5818E-08	Egln3
ENSMUSG00000059456	9971.635	1.148	0.100	11.476	1.7E-30	5.0427E-29	Ptk2b
ENSMUSG00000091905	99.636	1.147	0.265	4.324	1.5E-05	8.2443E-05	Dnajb6-ps
ENSMUSG00000003208	1646.297	1.146	0.191	6.005	1.9E-09	1.6427E-08	Yju2
ENSMUSG00000087484	49.024	1.145	0.365	3.142	1.7E-03	0.00637948	2900089D17Rik
ENSMUSG00000005267	299.009	1.144	0.315	3.634	2.8E-04	0.00123142	Zfp287
ENSMUSG00000021707	477.331	1.144	0.168	6.788	1.1E-11	1.174E-10	Dhfr
ENSMUSG00000089698	52.151	1.143	0.374	3.053	2.3E-03	0.00837243	Gm2541
ENSMUSG00000019996	84.697	1.143	0.410	2.787	5.3E-03	0.01804735	Map7
ENSMUSG00000032412	31076.966	1.142	0.080	14.328	1.5E-46	7.173E-45	Atp1b3
ENSMUSG00000049526	183.443	1.142	0.236	4.850	1.2E-06	7.7062E-06	Tmem202
ENSMUSG00000054435	166.739	1.142	0.266	4.286	1.8E-05	9.6918E-05	Gimap4
ENSMUSG00000024851	4019.807	1.141	0.140	8.146	3.8E-16	5.396E-15	Pitpnm1
ENSMUSG00000050914	251.298	1.141	0.226	5.046	4.5E-07	2.9522E-06	Ankrd37
ENSMUSG00000020642	575.769	1.140	0.324	3.516	4.4E-04	0.00185902	Rnf144a
ENSMUSG00000024219	1644.819	1.140	0.156	7.317	2.5E-13	3.02E-12	Anks1
ENSMUSG00000052681	46581.044	1.140	0.094	12.109	9.4E-34	3.0841E-32	Rap1b
ENSMUSG00000026779	175.092	1.136	0.300	3.783	1.6E-04	0.00071543	Mastl
ENSMUSG00000031714	1258.709	1.136	0.190	5.982	2.2E-09	1.8785E-08	Gab1
ENSMUSG00000053062	129.805	1.134	0.360	3.153	1.6E-03	0.00616184	Jam2
ENSMUSG00000048376	1084.703	1.134	0.223	5.082	3.7E-07	2.4784E-06	F2r
ENSMUSG00000039765	65.324	1.133	0.408	2.775	5.5E-03	0.01863382	Cc2d2a
ENSMUSG00000038855	3894.142	1.133	0.142	7.977	1.5E-15	2.0441E-14	Itpkb
ENSMUSG00000042790	1644.693	1.130	0.122	9.241	2.4E-20	4.4922E-19	Rnf214
ENSMUSG00000030724	192.105	1.129	0.340	3.326	8.8E-04	0.00352691	Cd19
ENSMUSG00000026159	4091.402	1.129	0.127	8.880	6.7E-19	1.1394E-17	Agfg1
ENSMUSG00000026657	3718.104	1.129	0.151	7.497	6.5E-14	8.0472E-13	Frmf4a
ENSMUSG00000027900	7573.025	1.128	0.109	10.350	4.2E-25	9.5898E-24	Dram2
ENSMUSG00000021147	1496.843	1.128	0.144	7.842	4.4E-15	5.8797E-14	Wdr37
ENSMUSG00000079017	19928.985	1.127	0.303	3.721	2.0E-04	0.00089569	Ifi2712a
ENSMUSG00000018168	108.881	1.127	0.446	2.530	1.1E-02	0.03518644	Ikzf3
ENSMUSG00000082454	128.711	1.127	0.333	3.381	7.2E-04	0.00294346	Gm12183
ENSMUSG000000108009	42.857	1.126	0.355	3.176	1.5E-03	0.0057296	Gm44279
ENSMUSG00000026003	8489.915	1.126	0.083	13.597	4.2E-42	1.8257E-40	Acadl
ENSMUSG00000001750	29631.788	1.126	0.104	10.828	2.5E-27	6.3556E-26	Teirg1
ENSMUSG00000002845	1391.022	1.125	0.126	8.898	5.7E-19	9.724E-18	Tmem39a
ENSMUSG00000029359	872.677	1.125	0.243	4.622	3.8E-06	2.2334E-05	Tesc
ENSMUSG00000020671	18204.208	1.125	0.074	15.263	1.3E-52	8.0656E-51	Rab10
ENSMUSG00000020277	18900.405	1.125	0.091	12.379	3.4E-35	1.1695E-33	Pfkl
ENSMUSG00000039853	4675.150	1.124	0.182	6.166	7.0E-10	6.2616E-09	Trim14
ENSMUSG00000044337	130.669	1.123	0.423	2.655	7.9E-03	0.02554133	Ackr3
ENSMUSG00000070691	1204.125	1.121	0.195	5.749	9.0E-09	7.2037E-08	Runx3
ENSMUSG00000003865	1771.793	1.121	0.129	8.715	2.9E-18	4.784E-17	Gys1
ENSMUSG00000028716	948.527	1.119	0.216	5.176	2.3E-07	1.5466E-06	Pdzk1ip1
ENSMUSG00000022272	3079.762	1.119	0.147	7.617	2.6E-14	3.2705E-13	Myo10
ENSMUSG00000004846	9835.571	1.119	0.087	12.875	6.2E-38	2.3727E-36	Plod3
ENSMUSG00000074580	550.168	1.119	0.182	6.138	8.4E-10	7.413E-09	4931440P22Rik

ENSMUSG00000019992	126.769	1.119	0.432	2.590	9.6E-03	0.03011515	Mtfr2
ENSMUSG00000100071	78.532	1.117	0.335	3.338	8.4E-04	0.00339008	Gm28707
ENSMUSG00000056313	51.127	1.117	0.461	2.421	1.5E-02	0.04590194	Tcim
ENSMUSG00000050896	128.564	1.116	0.386	2.894	3.8E-03	0.01334298	Rtn4rl2
ENSMUSG00000043257	1804.091	1.116	0.138	8.096	5.7E-16	7.9974E-15	Pigv
ENSMUSG00000001249	198.912	1.116	0.388	2.874	4.1E-03	0.0141385	Hpn
ENSMUSG00000038357	34790.747	1.115	0.203	5.484	4.2E-08	3.1121E-07	Camp
ENSMUSG00000038456	665.399	1.114	0.166	6.692	2.2E-11	2.2299E-10	Dennd2a
ENSMUSG00000016831	6830.735	1.114	0.137	8.154	3.5E-16	5.0612E-15	Tox4
ENSMUSG00000110545	264.749	1.113	0.182	6.108	1.0E-09	8.8588E-09	Gm7730
ENSMUSG00000063314	57.805	1.113	0.436	2.554	1.1E-02	0.03309373	Gm12657
ENSMUSG00000020340	2821.763	1.113	0.175	6.343	2.3E-10	2.105E-09	Cyfp2
ENSMUSG00000034028	596.062	1.111	0.368	3.018	2.5E-03	0.00930477	Cd226
ENSMUSG00000109495	197.492	1.111	0.191	5.806	6.4E-09	5.2109E-08	Gm47692
ENSMUSG00000031207	66794.365	1.110	0.077	14.339	1.3E-46	6.2178E-45	Msn
ENSMUSG00000041548	75.489	1.109	0.445	2.492	1.3E-02	0.03868215	Hspb8
ENSMUSG00000042492	5266.634	1.109	0.138	8.010	1.1E-15	1.5896E-14	Tbc1d10b
ENSMUSG00000031311	9148.206	1.108	0.091	12.206	2.9E-34	9.637E-33	Nono
ENSMUSG00000001131	7857.480	1.108	0.118	9.363	7.8E-21	1.4686E-19	Timp1
ENSMUSG00000056071	38462.304	1.107	0.270	4.104	4.1E-05	0.00020523	S100a9
ENSMUSG00000006127	3285.342	1.107	0.127	8.698	3.4E-18	5.5331E-17	Inpp5k
ENSMUSG00000028016	3360.423	1.107	0.091	12.153	5.5E-34	1.831E-32	Ints12
ENSMUSG00000082419	139.765	1.106	0.279	3.970	7.2E-05	0.00034976	Gm11425
ENSMUSG00000066036	4081.766	1.106	0.127	8.740	2.3E-18	3.8465E-17	Ubr4
ENSMUSG00000044199	654.617	1.105	0.282	3.920	8.9E-05	0.00042371	S1pr4
ENSMUSG00000035235	1130.448	1.102	0.155	7.120	1.1E-12	1.2142E-11	Trim13
ENSMUSG00000028800	3606.774	1.102	0.091	12.148	5.9E-34	1.9429E-32	Hdac1
ENSMUSG00000039456	7197.231	1.102	0.126	8.724	2.7E-18	4.4282E-17	More3
ENSMUSG00000085172	31.723	1.101	0.422	2.610	9.1E-03	0.02866475	Gm6542
ENSMUSG00000021877	26784.397	1.101	0.065	16.838	1.3E-63	1.0617E-61	Arf4
ENSMUSG00000031103	3542.074	1.100	0.113	9.747	1.9E-22	3.8727E-21	Elf4
ENSMUSG00000029664	284.617	1.100	0.449	2.450	1.4E-02	0.04283857	Tfpi2
ENSMUSG00000040528	4558.185	1.100	0.099	11.153	7.0E-29	1.8778E-27	Milr1
ENSMUSG00000022894	339.424	1.099	0.285	3.857	1.1E-04	0.00053834	Adamts5
ENSMUSG00000096579	48.712	1.099	0.374	2.939	3.3E-03	0.01173469	Gm17121
ENSMUSG00000052125	231.299	1.099	0.380	2.891	3.8E-03	0.01346289	F730043M19Rik
ENSMUSG00000000682	20880.873	1.098	0.123	8.915	4.9E-19	8.3746E-18	Cd52
ENSMUSG00000030745	7801.421	1.098	0.160	6.877	6.1E-12	6.4661E-11	Il21r
ENSMUSG00000023993	1592.619	1.098	0.263	4.177	3.0E-05	0.00015193	Trem11
ENSMUSG00000041815	10405.685	1.097	0.112	9.813	9.9E-23	2.0638E-21	Poldip3
ENSMUSG00000051650	251.767	1.097	0.222	4.944	7.7E-07	4.8817E-06	B3gnt2
ENSMUSG00000000320	1935.989	1.097	0.440	2.491	1.3E-02	0.03870881	Alox12
ENSMUSG00000050075	876.065	1.096	0.199	5.499	3.8E-08	2.8641E-07	Gpr171
ENSMUSG00000031221	2571.814	1.095	0.118	9.241	2.4E-20	4.4922E-19	Igbbp1
ENSMUSG00000022971	12595.218	1.094	0.099	11.003	3.7E-28	9.6306E-27	Ifnar2
ENSMUSG00000086922	456.659	1.094	0.132	8.266	1.4E-16	2.0381E-15	Gm13835
ENSMUSG00000037126	178.060	1.094	0.368	2.973	3.0E-03	0.01065617	Psd
ENSMUSG00000035183	171.696	1.093	0.234	4.664	3.1E-06	1.8475E-05	Slc24a5
ENSMUSG00000040809	41653.571	1.093	0.168	6.515	7.3E-11	7.0614E-10	Chil3
ENSMUSG00000021373	92.411	1.093	0.429	2.549	1.1E-02	0.03348391	Cap2
ENSMUSG00000035399	1156.379	1.092	0.108	10.079	6.8E-24	1.498E-22	Oser1
ENSMUSG00000021039	7022.123	1.092	0.104	10.543	5.4E-26	1.2933E-24	Snw1

ENSMUSG00000021280	387.763	1.090	0.189	5.770	7.9E-09	6.3987E-08	Exoc314
ENSMUSG00000099891	57.032	1.090	0.315	3.462	5.4E-04	0.00223646	Gm5575
ENSMUSG00000058794	2522.710	1.090	0.172	6.324	2.5E-10	2.3683E-09	Nfe2
ENSMUSG00000118519	51.323	1.089	0.346	3.150	1.6E-03	0.00621319	Gm52992
ENSMUSG00000001052	5554.916	1.088	0.099	11.039	2.5E-28	6.4744E-27	Sec24b
ENSMUSG00000040584	286.552	1.088	0.204	5.343	9.1E-08	6.5427E-07	Abcb1a
ENSMUSG00000023960	377.913	1.088	0.231	4.717	2.4E-06	1.4429E-05	Enpp5
ENSMUSG00000002233	14285.257	1.087	0.071	15.212	3.0E-52	1.74E-50	Rhoc
ENSMUSG00000019189	3399.228	1.086	0.132	8.214	2.1E-16	3.1096E-15	Rnfl145
ENSMUSG00000047669	510.225	1.085	0.291	3.732	1.9E-04	0.00086098	Ms1312
ENSMUSG00000083822	265.307	1.085	0.207	5.234	1.7E-07	1.1519E-06	Hmgb1-ps5
ENSMUSG00000020935	4197.339	1.085	0.092	11.754	6.7E-32	2.034E-30	Deakd
ENSMUSG00000002204	3912.347	1.085	0.114	9.541	1.4E-21	2.783E-20	Napsa
ENSMUSG00000040669	398.909	1.085	0.257	4.218	2.5E-05	0.00012838	Phc1
ENSMUSG00000037419	1493.973	1.085	0.145	7.491	6.8E-14	8.3994E-13	Endod1
ENSMUSG00000019969	8650.903	1.085	0.102	10.618	2.5E-26	5.9398E-25	Psen1
ENSMUSG00000021277	1138.900	1.082	0.149	7.249	4.2E-13	4.8983E-12	Traf3
ENSMUSG00000020961	694.781	1.081	0.199	5.430	5.6E-08	4.1409E-07	Ston2
ENSMUSG00000002068	649.564	1.081	0.154	7.028	2.1E-12	2.3058E-11	Ccne1
ENSMUSG00000027088	1984.128	1.080	0.129	8.356	6.5E-17	9.7731E-16	Phospho2
ENSMUSG00000022436	1249.245	1.080	0.122	8.854	8.4E-19	1.4311E-17	Sh3bp1
ENSMUSG00000058715	82423.464	1.080	0.098	11.058	2.0E-28	5.2848E-27	Fcer1g
ENSMUSG00000038848	6229.756	1.079	0.115	9.406	5.2E-21	9.8393E-20	Ythdf1
ENSMUSG00000029186	2588.061	1.079	0.123	8.765	1.9E-18	3.0951E-17	Pi4k2b
ENSMUSG00000072872	230.898	1.078	0.193	5.592	2.2E-08	1.7252E-07	Rybp
ENSMUSG00000060703	7191.409	1.078	0.134	8.035	9.4E-16	1.3038E-14	Cd302
ENSMUSG00000024335	17990.530	1.077	0.122	8.820	1.1E-18	1.9247E-17	Brd2
ENSMUSG00000059901	189.380	1.077	0.274	3.930	8.5E-05	0.00040814	Adamts14
ENSMUSG00000028099	3487.519	1.076	0.123	8.758	2.0E-18	3.3074E-17	Polr3c
ENSMUSG00000097125	63.437	1.075	0.330	3.261	1.1E-03	0.00436944	Gm26885
ENSMUSG00000042249	1005.226	1.075	0.171	6.301	3.0E-10	2.7385E-09	Grk3
ENSMUSG00000060591	9004.278	1.075	0.147	7.309	2.7E-13	3.1913E-12	Ifitm2
ENSMUSG00000024640	3659.421	1.074	0.110	9.806	1.1E-22	2.1915E-21	Psat1
ENSMUSG00000020733	9405.210	1.074	0.103	10.473	1.2E-25	2.7021E-24	Slc9a3r1
ENSMUSG00000090394	1594.937	1.073	0.109	9.835	8.0E-23	1.6699E-21	4930523C07Rik
ENSMUSG00000002658	8483.253	1.072	0.100	10.735	7.0E-27	1.7191E-25	Gtf2fl
ENSMUSG00000114835	586.089	1.072	0.165	6.487	8.8E-11	8.4408E-10	Gm48194
ENSMUSG00000032410	1964.611	1.071	0.118	9.106	8.5E-20	1.5247E-18	Xrn1
ENSMUSG00000040351	2466.833	1.070	0.144	7.457	8.8E-14	1.0783E-12	Ankib1
ENSMUSG00000028098	10896.752	1.070	0.090	11.840	2.4E-32	7.5368E-31	Rnfl115
ENSMUSG00000029428	3894.920	1.069	0.129	8.296	1.1E-16	1.6044E-15	Stx2
ENSMUSG00000036712	2104.413	1.068	0.149	7.179	7.0E-13	8.0095E-12	Cyld
ENSMUSG00000078300	38.583	1.068	0.408	2.616	8.9E-03	0.02824024	Gm2606
ENSMUSG00000016206	5556.166	1.068	0.123	8.682	3.9E-18	6.316E-17	H2-M3
ENSMUSG00000044674	1681.930	1.068	0.194	5.498	3.8E-08	2.8795E-07	Fzd1
ENSMUSG00000021814	12153.973	1.067	0.080	13.330	1.6E-40	6.4831E-39	Anxa7
ENSMUSG00000022594	158.074	1.067	0.323	3.305	9.5E-04	0.00378735	Lynx1
ENSMUSG00000026778	354.422	1.066	0.329	3.243	1.2E-03	0.00463668	Prkcq
ENSMUSG00000042423	1771.101	1.066	0.126	8.428	3.5E-17	5.3588E-16	Fbrs
ENSMUSG00000091831	368.365	1.065	0.183	5.813	6.1E-09	4.9993E-08	Gm4707
ENSMUSG00000106752	128.914	1.065	0.199	5.342	9.2E-08	6.5922E-07	Gm3348
ENSMUSG00000008348	6063.464	1.065	0.086	12.397	2.7E-35	9.2919E-34	Ubc

ENSMUSG00000049969	9108.440	1.065	0.102	10.397	2.6E-25	5.8877E-24	Plekhf2
ENSMUSG00000091955	2164.388	1.065	0.079	13.480	2.1E-41	8.8263E-40	Gm9844
ENSMUSG00000030742	1042.405	1.064	0.274	3.881	1.0E-04	0.0004928	Lat
ENSMUSG00000028709	2223.348	1.064	0.115	9.215	3.1E-20	5.6948E-19	Mob3c
ENSMUSG00000034570	187.422	1.062	0.369	2.883	3.9E-03	0.0137702	Inpp5j
ENSMUSG00000016194	1023.085	1.062	0.170	6.249	4.1E-10	3.7645E-09	Hsd11b1
ENSMUSG00000062101	179.005	1.062	0.355	2.991	2.8E-03	0.01009814	Zfp119b
ENSMUSG00000032322	4687.358	1.061	0.136	7.793	6.6E-15	8.5586E-14	Pstpip1
ENSMUSG00000026399	319.682	1.061	0.298	3.554	3.8E-04	0.00163005	Cd55
ENSMUSG00000103711	82.846	1.060	0.376	2.822	4.8E-03	0.01638843	Tstd1
ENSMUSG00000015536	5533.016	1.058	0.125	8.481	2.2E-17	3.4665E-16	Mocs2
ENSMUSG00000115368	105.367	1.057	0.293	3.606	3.1E-04	0.00135549	Gm48942
ENSMUSG00000024143	1214.981	1.055	0.124	8.525	1.5E-17	2.4048E-16	Rhoq
ENSMUSG00000038127	5017.820	1.055	0.099	10.674	1.3E-26	3.2782E-25	Ccdc50
ENSMUSG00000029640	2799.708	1.055	0.117	9.003	2.2E-19	3.8561E-18	Usp12
ENSMUSG00000041992	277.532	1.054	0.375	2.808	5.0E-03	0.01703714	Rapgef5
ENSMUSG00000020038	1730.112	1.053	0.144	7.305	2.8E-13	3.2902E-12	Cry1
ENSMUSG00000022967	16425.460	1.051	0.111	9.490	2.3E-21	4.495E-20	Ifnar1
ENSMUSG00000016024	1005.694	1.051	0.151	6.963	3.3E-12	3.6034E-11	Lbp
ENSMUSG00000030231	305.727	1.051	0.317	3.318	9.1E-04	0.00362682	Plekha5
ENSMUSG00000005973	3544.350	1.051	0.104	10.136	3.8E-24	8.4973E-23	Rcn1
ENSMUSG00000055639	262.976	1.050	0.331	3.173	1.5E-03	0.00579536	Dach1
ENSMUSG00000056671	615.810	1.050	0.211	4.982	6.3E-07	4.0481E-06	Prelid2
ENSMUSG00000001281	2262.514	1.050	0.150	6.991	2.7E-12	2.9789E-11	Itgb7
ENSMUSG00000003070	114.032	1.049	0.439	2.390	1.7E-02	0.0494217	Efna2
ENSMUSG00000024983	2872.868	1.049	0.099	10.549	5.1E-26	1.2188E-24	Vti1a
ENSMUSG00000054520	7631.596	1.048	0.111	9.403	5.3E-21	1.0145E-19	Sh3bp2
ENSMUSG00000033671	2164.902	1.046	0.196	5.346	9.0E-08	6.4583E-07	Cep350
ENSMUSG00000026641	4023.886	1.045	0.099	10.547	5.2E-26	1.2449E-24	Usf1
ENSMUSG00000039264	168.211	1.045	0.373	2.798	5.1E-03	0.01753281	Gimap3
ENSMUSG00000106874	107.903	1.044	0.304	3.440	5.8E-04	0.0024135	Gm20186
ENSMUSG00000042364	11312.644	1.044	0.102	10.260	1.1E-24	2.4093E-23	Snx18
ENSMUSG00000060429	402.264	1.043	0.261	3.994	6.5E-05	0.00031862	Sntb1
ENSMUSG00000030054	2182.547	1.043	0.324	3.220	1.3E-03	0.00498446	Gp9
ENSMUSG00000003153	2867.315	1.043	0.214	4.881	1.1E-06	6.6356E-06	Slc2a3
ENSMUSG00000026495	235.879	1.042	0.248	4.200	2.7E-05	0.00013825	Efcab2
ENSMUSG00000045427	6337.509	1.042	0.118	8.841	9.4E-19	1.5964E-17	Hnrnp2
ENSMUSG00000029580	#####	1.042	0.085	12.213	2.6E-34	8.8242E-33	Actb
ENSMUSG00000031799	33380.352	1.041	0.071	14.709	5.7E-49	3.025E-47	Tpm4
ENSMUSG00000103034	1134.103	1.041	0.112	9.259	2.1E-20	3.8215E-19	Gm8797
ENSMUSG00000082345	161.600	1.039	0.303	3.426	6.1E-04	0.00252199	Gm13622
ENSMUSG00000000532	773.445	1.038	0.232	4.485	7.3E-06	4.129E-05	Acvr1b
ENSMUSG00000024521	1978.873	1.038	0.192	5.404	6.5E-08	4.7579E-07	Pmaip1
ENSMUSG00000020577	1858.747	1.038	0.164	6.325	2.5E-10	2.3508E-09	Tspan13
ENSMUSG00000087298	91.414	1.037	0.268	3.865	1.1E-04	0.00052326	Gm9392
ENSMUSG00000030559	263.038	1.033	0.303	3.407	6.6E-04	0.00269455	Rab38
ENSMUSG00000024750	19272.955	1.033	0.078	13.252	4.4E-40	1.805E-38	Zfand5
ENSMUSG00000033813	2359.014	1.033	0.104	9.932	3.0E-23	6.4405E-22	Tcea1
ENSMUSG00000028937	4485.965	1.033	0.125	8.275	1.3E-16	1.8928E-15	Acot7
ENSMUSG00000018923	1921.355	1.033	0.129	7.989	1.4E-15	1.8637E-14	Med11
ENSMUSG00000097148	32.217	1.032	0.395	2.615	8.9E-03	0.02834749	Gm3839
ENSMUSG00000021114	12862.339	1.032	0.094	11.005	3.6E-28	9.4053E-27	Atp6v1d

ENSMUSG00000024896	3111.167	1.029	0.135	7.639	2.2E-14	2.787E-13	Minpp1
ENSMUSG00000113041	418.984	1.028	0.149	6.920	4.5E-12	4.8523E-11	Gm48302
ENSMUSG00000031443	1293.870	1.025	0.211	4.849	1.2E-06	7.7415E-06	F7
ENSMUSG00000025241	1600.210	1.025	0.156	6.585	4.6E-11	4.4921E-10	Fyco1
ENSMUSG00000029016	590.530	1.025	0.202	5.076	3.8E-07	2.5442E-06	Cln6
ENSMUSG00000055044	1189.604	1.024	0.166	6.172	6.8E-10	6.0501E-09	Pdim1
ENSMUSG00000087294	132.899	1.024	0.383	2.671	7.6E-03	0.02453039	Gm13556
ENSMUSG00000034401	1527.851	1.024	0.157	6.516	7.2E-11	6.9856E-10	Spata6
ENSMUSG00000024774	417.142	1.022	0.311	3.281	1.0E-03	0.00408695	Ankrd22
ENSMUSG00000114687	43.405	1.021	0.349	2.924	3.5E-03	0.01225227	Gm5452
ENSMUSG00000043740	16216.755	1.021	0.112	9.155	5.4E-20	9.8267E-19	B430306N03Rik
ENSMUSG00000031242	951.343	1.021	0.150	6.805	1.0E-11	1.0459E-10	2610002M06Rik
ENSMUSG00000115505	45.098	1.020	0.321	3.173	1.5E-03	0.00578864	Gm9247
ENSMUSG00000038884	909.960	1.019	0.192	5.322	1.0E-07	7.3025E-07	Shfl
ENSMUSG00000025178	15149.622	1.019	0.122	8.352	6.7E-17	1.0117E-15	Pi4k2a
ENSMUSG00000016756	276.785	1.019	0.288	3.536	4.1E-04	0.00173536	Cmah
ENSMUSG00000026648	1749.133	1.019	0.187	5.462	4.7E-08	3.4867E-07	Dclre1c
ENSMUSG00000044712	838.553	1.019	0.143	7.126	1.0E-12	1.1625E-11	Slc38a6
ENSMUSG00000022285	28911.398	1.018	0.068	15.009	6.4E-51	3.6365E-49	Ywhaz
ENSMUSG00000032812	10483.685	1.017	0.104	9.813	9.9E-23	2.0496E-21	Arap1
ENSMUSG00000032479	6156.650	1.016	0.127	7.995	1.3E-15	1.7824E-14	Map4
ENSMUSG00000067869	260.806	1.016	0.184	5.533	3.2E-08	2.3843E-07	Tcea1-ps1
ENSMUSG00000032180	2970.396	1.015	0.073	13.883	8.0E-44	3.6597E-42	Tmed1
ENSMUSG00000102059	118.433	1.015	0.318	3.194	1.4E-03	0.00541894	Gm20257
ENSMUSG00000049719	158.178	1.015	0.386	2.633	8.5E-03	0.02708334	Prss46
ENSMUSG00000019920	15672.501	1.015	0.076	13.385	7.4E-41	3.1362E-39	Lims1
ENSMUSG00000030589	567.443	1.015	0.210	4.840	1.3E-06	8.0514E-06	Rasgrp4
ENSMUSG00000022504	273.928	1.014	0.410	2.474	1.3E-02	0.04035678	Ciita
ENSMUSG00000106190	41.673	1.013	0.379	2.672	7.5E-03	0.02444986	Gm20768
ENSMUSG00000104795	101.260	1.012	0.346	2.927	3.4E-03	0.0121623	Gm42783
ENSMUSG00000046556	2326.842	1.012	0.142	7.151	8.6E-13	9.7499E-12	Zfp319
ENSMUSG00000043889	150.750	1.010	0.231	4.367	1.3E-05	6.8844E-05	Gm8399
ENSMUSG00000028977	708.333	1.008	0.236	4.268	2.0E-05	0.00010447	Casz1
ENSMUSG00000002250	227.020	1.008	0.283	3.558	3.7E-04	0.00160321	Ppard
ENSMUSG00000107136	128.247	1.008	0.346	2.910	3.6E-03	0.0127343	Gm42466
ENSMUSG00000031879	3524.546	1.008	0.118	8.565	1.1E-17	1.7142E-16	Ciao2b
ENSMUSG00000037418	268.630	1.007	0.293	3.434	5.9E-04	0.00245454	Best1
ENSMUSG00000059920	1965.219	1.007	0.128	7.866	3.7E-15	4.9064E-14	4930453N24Rik
ENSMUSG00000089988	120.177	1.007	0.290	3.477	5.1E-04	0.00212416	Gm16238
ENSMUSG00000044068	105.742	1.006	0.376	2.680	7.4E-03	0.02397335	Zrsr1
ENSMUSG00000001924	11901.362	1.006	0.082	12.279	1.2E-34	3.9692E-33	Ubal
ENSMUSG00000060671	309.630	1.006	0.225	4.478	7.5E-06	4.2588E-05	Atp8b2
ENSMUSG00000067851	2048.912	1.005	0.134	7.512	5.8E-14	7.2208E-13	Arfgef1
ENSMUSG00000074506	189.297	1.004	0.218	4.614	3.9E-06	2.3134E-05	Gm10705
ENSMUSG00000001930	783.436	1.004	0.264	3.808	1.4E-04	0.00064954	Vwf
ENSMUSG00000007036	7082.407	1.003	0.102	9.830	8.4E-23	1.75E-21	Abhd16a
ENSMUSG00000014813	123.608	1.002	0.379	2.648	8.1E-03	0.02600271	Stc1
ENSMUSG00000107225	99.247	1.001	0.356	2.809	5.0E-03	0.01697793	Gm43637
ENSMUSG00000041324	9890.028	0.999	0.160	6.253	4.0E-10	3.6756E-09	Inhba
ENSMUSG00000027429	8679.710	0.998	0.105	9.475	2.7E-21	5.1985E-20	Sec23b
ENSMUSG00000054641	956.066	0.997	0.187	5.326	1.0E-07	7.1678E-07	Mmrn1
ENSMUSG00000018378	365.393	0.997	0.256	3.900	9.6E-05	0.00045661	Cuedc1

ENSMUSG00000021123	308.588	0.997	0.303	3.292	9.9E-04	0.00394175	Rdh12
ENSMUSG00000013787	2507.714	0.995	0.107	9.275	1.8E-20	3.309E-19	Ehmt2
ENSMUSG00000060450	4950.563	0.995	0.097	10.214	1.7E-24	3.8713E-23	Rnfl4
ENSMUSG00000045319	409.954	0.993	0.377	2.633	8.5E-03	0.02703355	Proser2
ENSMUSG00000073274	2616.478	0.993	0.150	6.638	3.2E-11	3.1668E-10	Gm14636
ENSMUSG00000095159	53.026	0.992	0.331	2.998	2.7E-03	0.00989313	Tubb4b-ps1
ENSMUSG00000043832	6255.771	0.992	0.119	8.332	8.0E-17	1.1952E-15	Clec4a3
ENSMUSG00000118668	4616.451	0.991	0.115	8.642	5.5E-18	8.8944E-17	AC120557.1
ENSMUSG00000023106	5543.773	0.991	0.076	13.110	2.9E-39	1.1585E-37	Denr
ENSMUSG00000025058	2015.823	0.991	0.161	6.136	8.5E-10	7.5114E-09	Tasl
ENSMUSG00000103772	145.564	0.990	0.388	2.551	1.1E-02	0.03329196	Gm36933
ENSMUSG00000071477	492.718	0.990	0.195	5.082	3.7E-07	2.4769E-06	Zfp777
ENSMUSG00000099444	36.936	0.990	0.401	2.469	1.4E-02	0.0408175	Gm29240
ENSMUSG00000033159	11407.933	0.990	0.105	9.397	5.6E-21	1.0685E-19	Cnppd1
ENSMUSG00000024019	95.557	0.990	0.335	2.958	3.1E-03	0.01112104	Cmtr1
ENSMUSG00000026197	2321.680	0.989	0.111	8.898	5.7E-19	9.724E-18	Zfand2b
ENSMUSG00000022146	1225.344	0.988	0.166	5.959	2.5E-09	2.1458E-08	Osmr
ENSMUSG00000023345	635.302	0.988	0.173	5.702	1.2E-08	9.3541E-08	Poc1a
ENSMUSG00000046610	254.183	0.988	0.366	2.699	7.0E-03	0.02279782	Oacyl
ENSMUSG00000084348	34.626	0.988	0.412	2.399	1.6E-02	0.04841027	Gm14608
ENSMUSG00000098188	2884.913	0.987	0.109	9.079	1.1E-19	1.9519E-18	Sowahc
ENSMUSG00000022369	267.592	0.987	0.254	3.882	1.0E-04	0.00048999	Mtbp
ENSMUSG00000092035	104.167	0.987	0.357	2.766	5.7E-03	0.01906022	Peg10
ENSMUSG00000018425	1370.293	0.985	0.161	6.104	1.0E-09	9.077E-09	Dhx40
ENSMUSG00000033799	845.098	0.985	0.196	5.015	5.3E-07	3.4399E-06	Tasor2
ENSMUSG00000091586	305.146	0.985	0.271	3.634	2.8E-04	0.00122965	Cyp4fl7
ENSMUSG00000000628	6610.490	0.984	0.114	8.622	6.6E-18	1.0549E-16	Hk2
ENSMUSG00000078851	733.385	0.984	0.158	6.227	4.7E-10	4.2851E-09	H2aw
ENSMUSG00000116927	77.959	0.984	0.409	2.404	1.6E-02	0.04785107	Gm30881
ENSMUSG00000087203	171.365	0.983	0.266	3.700	2.2E-04	0.00096781	Gm13986
ENSMUSG00000108633	80.168	0.983	0.278	3.539	4.0E-04	0.00171612	Gm44694
ENSMUSG00000044258	935.936	0.983	0.265	3.712	2.1E-04	0.00092764	Ctla2a
ENSMUSG00000056054	126929.825	0.982	0.261	3.759	1.7E-04	0.00078037	S100a8
ENSMUSG00000089929	1622.873	0.982	0.098	10.072	7.3E-24	1.6013E-22	Bcl2a1b
ENSMUSG00000020882	136.539	0.982	0.362	2.713	6.7E-03	0.02200473	Caenb1
ENSMUSG00000073982	27386.983	0.981	0.083	11.881	1.5E-32	4.681E-31	Rhog
ENSMUSG00000017837	7619.517	0.980	0.104	9.442	3.7E-21	7.0558E-20	Nkiras2
ENSMUSG00000026980	696.232	0.979	0.189	5.176	2.3E-07	1.5493E-06	Ly75
ENSMUSG00000024043	255.435	0.979	0.398	2.461	1.4E-02	0.04168316	Arhgap28
ENSMUSG00000040414	2052.700	0.978	0.171	5.727	1.0E-08	8.1264E-08	Slc25a28
ENSMUSG00000111684	52.492	0.977	0.354	2.764	5.7E-03	0.01915824	Gm8543
ENSMUSG00000002996	3276.829	0.977	0.128	7.625	2.4E-14	3.0956E-13	Hbp1
ENSMUSG00000024910	108.346	0.976	0.389	2.509	1.2E-02	0.03701195	Ctsw
ENSMUSG00000063889	1429.945	0.976	0.215	4.532	5.8E-06	3.3367E-05	Crem
ENSMUSG00000024833	1158.068	0.976	0.141	6.922	4.5E-12	4.7894E-11	Pola2
ENSMUSG00000040675	922.436	0.974	0.191	5.095	3.5E-07	2.3282E-06	Mthfd11
ENSMUSG00000078151	42.589	0.974	0.355	2.739	6.2E-03	0.02051073	Gm12226
ENSMUSG00000071203	765.847	0.974	0.205	4.756	2.0E-06	1.2012E-05	Naip5
ENSMUSG00000036099	1993.652	0.973	0.136	7.181	6.9E-13	7.9296E-12	Vezt
ENSMUSG00000021962	1621.662	0.973	0.175	5.549	2.9E-08	2.1816E-07	Dcpl1a
ENSMUSG00000039831	244.396	0.972	0.331	2.934	3.3E-03	0.01189403	Arhgap29
ENSMUSG00000018819	6935.584	0.972	0.138	7.030	2.1E-12	2.2832E-11	Lsp1

ENSMUSG0000000976	2897.922	0.972	0.110	8.858	8.1E-19	1.3822E-17	Heatr6
ENSMUSG00000042167	5004.058	0.970	0.100	9.710	2.7E-22	5.5488E-21	Tent2
ENSMUSG00000015950	10095.027	0.970	0.097	10.029	1.1E-23	2.4802E-22	Ncf1
ENSMUSG00000026637	887.401	0.969	0.201	4.808	1.5E-06	9.3728E-06	Traf5
ENSMUSG000000115002	232.475	0.968	0.233	4.156	3.2E-05	0.0001656	Gm10847
ENSMUSG00000002844	14983.698	0.968	0.080	12.153	5.5E-34	1.8226E-32	Adprh
ENSMUSG00000036398	4462.410	0.967	0.078	12.435	1.7E-35	5.8718E-34	Ppp1r11
ENSMUSG00000038059	6106.428	0.966	0.133	7.260	3.9E-13	4.517E-12	Smim3
ENSMUSG00000048787	1356.211	0.966	0.135	7.183	6.8E-13	7.8301E-12	Dcun1d3
ENSMUSG00000024277	5917.293	0.965	0.124	7.771	7.8E-15	1.0153E-13	Mapre2
ENSMUSG00000078485	2453.467	0.965	0.178	5.429	5.7E-08	4.1644E-07	Plekhn1
ENSMUSG00000001739	552.289	0.964	0.210	4.587	4.5E-06	2.6166E-05	Cldn15
ENSMUSG00000073643	1308.765	0.964	0.138	6.997	2.6E-12	2.8655E-11	Wdfy1
ENSMUSG00000084104	45.187	0.963	0.397	2.425	1.5E-02	0.04555448	Gm13578
ENSMUSG00000024835	20399.118	0.962	0.069	13.889	7.4E-44	3.3943E-42	Coro1b
ENSMUSG00000054604	9658.703	0.962	0.102	9.426	4.3E-21	8.156E-20	Cggbp1
ENSMUSG00000004371	490.565	0.962	0.322	2.985	2.8E-03	0.01027398	Il11
ENSMUSG00000050967	145.900	0.961	0.327	2.934	3.3E-03	0.01190704	Creg2
ENSMUSG00000039981	1736.863	0.961	0.208	4.618	3.9E-06	2.2751E-05	Zc3h12d
ENSMUSG00000022122	10069.959	0.960	0.141	6.800	1.0E-11	1.0818E-10	Ednrb
ENSMUSG00000019916	11612.973	0.960	0.091	10.579	3.7E-26	8.9067E-25	P4ha1
ENSMUSG00000026219	3267.992	0.960	0.106	9.056	1.4E-19	2.401E-18	Trip12
ENSMUSG00000029414	125.410	0.959	0.370	2.590	9.6E-03	0.03015891	Kntc1
ENSMUSG00000021686	7027.672	0.958	0.118	8.098	5.6E-16	7.8759E-15	Ap3b1
ENSMUSG00000094392	129.542	0.958	0.230	4.166	3.1E-05	0.00015856	Gm3788
ENSMUSG00000001065	1648.628	0.958	0.134	7.138	9.4E-13	1.0644E-11	Zfp276
ENSMUSG00000051457	326.693	0.957	0.198	4.836	1.3E-06	8.2357E-06	Spn
ENSMUSG00000003410	32.621	0.956	0.384	2.488	1.3E-02	0.03897301	Elavl3
ENSMUSG00000046101	156.262	0.955	0.243	3.925	8.7E-05	0.00041668	Mcmcdc2
ENSMUSG00000015668	3146.041	0.953	0.086	11.059	2.0E-28	5.2746E-27	Pdzd11
ENSMUSG00000064208	141.481	0.953	0.217	4.396	1.1E-05	6.0578E-05	Gm10145
ENSMUSG00000016534	33663.897	0.952	0.115	8.309	9.7E-17	1.439E-15	Lamp2
ENSMUSG00000011114	4121.818	0.952	0.095	9.982	1.8E-23	3.9494E-22	Tbrg1
ENSMUSG00000079414	164.868	0.950	0.269	3.536	4.1E-04	0.00173421	Gm11110
ENSMUSG00000063659	267.075	0.950	0.223	4.253	2.1E-05	0.000111	Zbtb18
ENSMUSG00000033910	346.045	0.949	0.265	3.577	3.5E-04	0.00150347	Gucy1a1
ENSMUSG00000018707	3276.087	0.949	0.112	8.471	2.4E-17	3.7617E-16	Dync1h1
ENSMUSG00000022744	5295.967	0.948	0.102	9.329	1.1E-20	2.004E-19	Clndn1
ENSMUSG00000061950	2853.438	0.947	0.159	5.974	2.3E-09	1.9664E-08	Ppp4r1
ENSMUSG00000065422	61.937	0.947	0.365	2.598	9.4E-03	0.02955095	Mir221
ENSMUSG00000014226	9620.928	0.947	0.058	16.444	9.2E-61	6.9695E-59	Cacybp
ENSMUSG00000026819	1494.944	0.946	0.141	6.696	2.1E-11	2.163E-10	Slc25a25
ENSMUSG00000008200	4245.122	0.946	0.112	8.468	2.5E-17	3.8632E-16	Fnbp4
ENSMUSG000000114540	69.404	0.945	0.311	3.040	2.4E-03	0.00871797	Gm6421
ENSMUSG00000023944	62291.596	0.945	0.068	13.991	1.8E-44	8.2701E-43	Hsp90ab1
ENSMUSG00000034135	1924.019	0.943	0.228	4.140	3.5E-05	0.00017636	Sik3
ENSMUSG00000096054	1070.700	0.943	0.261	3.615	3.0E-04	0.00131513	Syne1
ENSMUSG00000024927	13089.431	0.943	0.079	11.940	7.3E-33	2.3301E-31	Rela
ENSMUSG00000029229	8406.020	0.942	0.092	10.207	1.8E-24	4.1422E-23	Chic2
ENSMUSG00000022479	425.351	0.942	0.282	3.338	8.4E-04	0.00338788	Vdr
ENSMUSG00000028300	5940.541	0.942	0.108	8.717	2.9E-18	4.6944E-17	C9orf72
ENSMUSG00000024349	2966.468	0.941	0.171	5.493	3.9E-08	2.9551E-07	Sting1

ENSMUSG00000027778	135.715	0.938	0.343	2.732	6.3E-03	0.02091642	Ift80
ENSMUSG00000094257	137.102	0.937	0.228	4.113	3.9E-05	0.00019752	Ap3s1-ps2
ENSMUSG00000058587	10360.542	0.936	0.103	9.113	8.0E-20	1.4336E-18	Tmod3
ENSMUSG00000000441	3466.532	0.935	0.110	8.493	2.0E-17	3.1279E-16	Raf1
ENSMUSG00000069662	32119.566	0.935	0.180	5.199	2.0E-07	1.3728E-06	Marcks
ENSMUSG00000021624	4382.822	0.934	0.174	5.371	7.8E-08	5.6617E-07	Cd180
ENSMUSG00000046962	1515.997	0.934	0.114	8.168	3.1E-16	4.5137E-15	Zbtb21
ENSMUSG00000027333	10137.071	0.934	0.121	7.684	1.5E-14	1.9655E-13	Smox
ENSMUSG00000036180	8291.003	0.933	0.131	7.126	1.0E-12	1.1608E-11	Gatad2a
ENSMUSG00000067365	2409.885	0.933	0.099	9.452	3.3E-21	6.4276E-20	Tmem128
ENSMUSG00000038384	1692.220	0.932	0.114	8.211	2.2E-16	3.1953E-15	Setd1b
ENSMUSG00000029994	21237.840	0.932	0.074	12.595	2.2E-36	8.0958E-35	Anxa4
ENSMUSG00000002812	9977.183	0.932	0.099	9.447	3.5E-21	6.7344E-20	Flii
ENSMUSG00000082431	66.166	0.931	0.356	2.616	8.9E-03	0.02825312	Prdx2-ps1
ENSMUSG00000023272	5445.813	0.931	0.097	9.643	5.3E-22	1.0576E-20	Creld2
ENSMUSG00000044583	3239.055	0.931	0.140	6.639	3.2E-11	3.1574E-10	Tlr7
ENSMUSG00000093402	80.541	0.931	0.275	3.380	7.2E-04	0.00294346	Gm18588
ENSMUSG00000027367	4312.689	0.930	0.116	7.986	1.4E-15	1.9129E-14	Stard7
ENSMUSG00000044906	908.155	0.930	0.182	5.116	3.1E-07	2.0931E-06	4930503L19Rik
ENSMUSG00000033450	4892.453	0.929	0.093	9.949	2.5E-23	5.4353E-22	Tagap
ENSMUSG00000060657	3600.945	0.929	0.109	8.499	1.9E-17	2.9818E-16	Marf1
ENSMUSG00000022026	1752.186	0.929	0.241	3.859	1.1E-04	0.0005363	Olfm4
ENSMUSG00000056121	8753.219	0.928	0.104	8.936	4.0E-19	6.9507E-18	Fez2
ENSMUSG00000026269	7307.712	0.928	0.123	7.574	3.6E-14	4.5289E-13	Rnpep11
ENSMUSG00000034612	703.273	0.928	0.152	6.104	1.0E-09	9.1152E-09	Chst11
ENSMUSG00000031162	554.818	0.927	0.297	3.121	1.8E-03	0.00679677	Gata1
ENSMUSG00000024429	3128.935	0.927	0.126	7.348	2.0E-13	2.4142E-12	Gnl1
ENSMUSG00000039191	3073.327	0.927	0.133	6.941	3.9E-12	4.2066E-11	Rbpj
ENSMUSG00000059714	5869.385	0.925	0.095	9.691	3.3E-22	6.6488E-21	Flot1
ENSMUSG00000104030	470.261	0.925	0.263	3.521	4.3E-04	0.00182377	5330406M23Rik
ENSMUSG00000054509	1468.764	0.924	0.140	6.624	3.5E-11	3.4795E-10	Parp4
ENSMUSG00000032301	4689.578	0.924	0.092	10.021	1.2E-23	2.662E-22	Psma4
ENSMUSG00000064193	101.334	0.923	0.303	3.043	2.3E-03	0.0086262	Gm4735
ENSMUSG00000030469	488.791	0.923	0.229	4.034	5.5E-05	0.00027224	Zfp719
ENSMUSG00000035021	3307.391	0.923	0.123	7.486	7.1E-14	8.7153E-13	Baz1a
ENSMUSG00000024251	537.669	0.923	0.183	5.048	4.5E-07	2.9221E-06	Thada
ENSMUSG00000030516	149.094	0.922	0.318	2.897	3.8E-03	0.01325263	Tjp1
ENSMUSG00000004730	47329.426	0.921	0.139	6.644	3.1E-11	3.0519E-10	Adgre1
ENSMUSG00000027422	13498.967	0.921	0.081	11.403	4.1E-30	1.1492E-28	Rrbp1
ENSMUSG00000031959	699.546	0.920	0.233	3.942	8.1E-05	0.00038902	Wdr59
ENSMUSG00000037972	959.021	0.919	0.225	4.090	4.3E-05	0.00021687	Snn
ENSMUSG00000020440	23226.796	0.919	0.071	12.965	1.9E-38	7.4694E-37	Arf5
ENSMUSG00000027660	10594.235	0.919	0.091	10.074	7.2E-24	1.5752E-22	Skil
ENSMUSG00000018347	1393.193	0.919	0.142	6.482	9.0E-11	8.6985E-10	Zkscan6
ENSMUSG00000003123	1399.958	0.919	0.123	7.447	9.5E-14	1.1606E-12	Lipe
ENSMUSG00000060862	385.351	0.918	0.230	3.991	6.6E-05	0.00032163	Zbtb40
ENSMUSG00000026425	5841.462	0.918	0.139	6.611	3.8E-11	3.7748E-10	Srgap2
ENSMUSG00000042419	468.416	0.917	0.179	5.125	3.0E-07	2.0023E-06	Nfkbil1
ENSMUSG00000048170	11497.042	0.917	0.094	9.804	1.1E-22	2.2454E-21	Mcmbp
ENSMUSG00000030766	4309.615	0.917	0.117	7.845	4.3E-15	5.7459E-14	Arhgap17
ENSMUSG00000058126	446.837	0.916	0.157	5.815	6.1E-09	4.9694E-08	Tpm3-rs7
ENSMUSG00000025521	3637.017	0.916	0.109	8.384	5.1E-17	7.7825E-16	Tmem192

ENSMUSG00000094870	2526.022	0.915	0.132	6.929	4.2E-12	4.5622E-11	Zfp131
ENSMUSG00000042396	8525.014	0.914	0.093	9.824	8.9E-23	1.8439E-21	Rbm7
ENSMUSG00000004661	985.000	0.913	0.164	5.571	2.5E-08	1.9326E-07	Arid3b
ENSMUSG00000096960	87.210	0.912	0.377	2.419	1.6E-02	0.04618471	A230028O05Rik
ENSMUSG00000021843	2979.716	0.911	0.113	8.074	6.8E-16	9.5831E-15	Ktn1
ENSMUSG00000025019	1072.955	0.911	0.140	6.493	8.4E-11	8.1255E-10	Lcor
ENSMUSG00000058318	1047.878	0.911	0.156	5.837	5.3E-09	4.3789E-08	Phf21a
ENSMUSG00000025287	4779.409	0.911	0.087	10.461	1.3E-25	3.0537E-24	Acot9
ENSMUSG00000006403	801.306	0.911	0.252	3.617	3.0E-04	0.00130699	Adamts4
ENSMUSG00000025792	2892.127	0.910	0.089	10.237	1.4E-24	3.0684E-23	Slc25a10
ENSMUSG00000025647	53261.353	0.910	0.108	8.442	3.1E-17	4.805E-16	Shisa5
ENSMUSG00000026626	5342.500	0.909	0.141	6.461	1.0E-10	9.9474E-10	Ppp2r5a
ENSMUSG00000027680	1956.280	0.909	0.100	9.130	6.9E-20	1.2352E-18	Fxr1
ENSMUSG00000070315	132.288	0.908	0.294	3.091	2.0E-03	0.00745667	4930581F22Rik
ENSMUSG00000030019	755.442	0.908	0.188	4.834	1.3E-06	8.3009E-06	Fbx114
ENSMUSG00000090019	160.100	0.908	0.328	2.767	5.6E-03	0.01899706	Gimap1
ENSMUSG00000022765	1746.820	0.907	0.116	7.844	4.4E-15	5.784E-14	Snap29
ENSMUSG00000035274	874.532	0.906	0.176	5.139	2.8E-07	1.8651E-06	Tpbg
ENSMUSG00000031997	395.604	0.906	0.304	2.986	2.8E-03	0.01024897	Trpc6
ENSMUSG00000038312	6864.761	0.906	0.070	12.872	6.5E-38	2.4817E-36	Edem2
ENSMUSG00000020181	176.830	0.905	0.356	2.540	1.1E-02	0.03425277	Nav3
ENSMUSG00000026311	368.185	0.905	0.246	3.688	2.3E-04	0.00101188	Asb1
ENSMUSG00000069539	827.053	0.905	0.197	4.587	4.5E-06	2.6166E-05	Scyl2
ENSMUSG00000031536	2757.250	0.905	0.091	9.978	1.9E-23	4.0871E-22	Polb
ENSMUSG00000021143	2214.351	0.904	0.129	6.988	2.8E-12	3.0427E-11	Pacs2
ENSMUSG00000009633	872.637	0.904	0.285	3.172	1.5E-03	0.00580165	G0s2
ENSMUSG00000027475	757.308	0.903	0.165	5.458	4.8E-08	3.5594E-07	Kif3b
ENSMUSG00000026271	1680.441	0.903	0.169	5.350	8.8E-08	6.3352E-07	Gpr35
ENSMUSG00000026087	5228.253	0.903	0.096	9.433	4.0E-21	7.6246E-20	Mrpl30
ENSMUSG00000029249	6378.327	0.902	0.078	11.622	3.2E-31	9.392E-30	Rest
ENSMUSG00000082016	54.591	0.902	0.304	2.969	3.0E-03	0.01075962	Pgam1-ps2
ENSMUSG00000004668	238.003	0.902	0.348	2.595	9.5E-03	0.02974695	Abca13
ENSMUSG00000027881	3675.796	0.902	0.103	8.798	1.4E-18	2.3209E-17	Prpf38b
ENSMUSG00000063568	130.477	0.901	0.332	2.715	6.6E-03	0.02187019	Jazf1
ENSMUSG00000052144	1667.342	0.900	0.120	7.481	7.4E-14	9.0552E-13	Ppp4r2
ENSMUSG00000022488	16570.896	0.900	0.151	5.972	2.3E-09	1.9866E-08	Nckap11
ENSMUSG00000043059	2354.029	0.900	0.115	7.802	6.1E-15	7.9834E-14	Zfp513
ENSMUSG00000029771	30983.115	0.900	0.106	8.515	1.7E-17	2.6086E-16	Irf5
ENSMUSG00000047953	2129.038	0.899	0.243	3.700	2.2E-04	0.00096702	Gp5
ENSMUSG00000109706	273.714	0.899	0.150	6.012	1.8E-09	1.5775E-08	Fth-ps3
ENSMUSG00000055204	3758.401	0.899	0.139	6.463	1.0E-10	9.8289E-10	Ankrd17
ENSMUSG00000045917	2826.900	0.898	0.128	7.020	2.2E-12	2.442E-11	Tmem268
ENSMUSG00000046223	18992.050	0.898	0.095	9.419	4.6E-21	8.7099E-20	Plaur
ENSMUSG00000030223	1847.705	0.898	0.169	5.317	1.1E-07	7.5248E-07	Ptpro
ENSMUSG00000024644	38204.284	0.896	0.110	8.160	3.3E-16	4.7989E-15	Cndp2
ENSMUSG00000066148	2003.724	0.896	0.163	5.501	3.8E-08	2.835E-07	Prpf4
ENSMUSG00000003382	5512.083	0.896	0.122	7.323	2.4E-13	2.8766E-12	Etv3
ENSMUSG00000071660	2746.189	0.895	0.135	6.622	3.5E-11	3.5252E-10	Ttc9c
ENSMUSG00000025915	5187.973	0.894	0.119	7.509	6.0E-14	7.3794E-13	Sgk3
ENSMUSG00000019947	4954.449	0.893	0.101	8.887	6.3E-19	1.0716E-17	Arid5b
ENSMUSG00000050931	5574.534	0.893	0.129	6.900	5.2E-12	5.5077E-11	Sgms2
ENSMUSG00000021583	3272.387	0.893	0.098	9.081	1.1E-19	1.9182E-18	Erap1

ENSMUSG00000107950	90.903	0.893	0.265	3.371	7.5E-04	0.00303786	Gm6375
ENSMUSG00000073411	449076.334	0.892	0.120	7.425	1.1E-13	1.3695E-12	H2-D1
ENSMUSG00000032253	5253.864	0.892	0.140	6.374	1.8E-10	1.7344E-09	Phip
ENSMUSG00000060904	9109.291	0.892	0.061	14.695	6.9E-49	3.6655E-47	Arl1
ENSMUSG00000035273	5642.164	0.891	0.161	5.524	3.3E-08	2.5074E-07	Hpse
ENSMUSG00000098098	212.195	0.891	0.251	3.555	3.8E-04	0.00162227	Bvht
ENSMUSG00000019122	45609.756	0.891	0.122	7.270	3.6E-13	4.2168E-12	Ccl9
ENSMUSG00000041779	1951.004	0.890	0.126	7.065	1.6E-12	1.7853E-11	Tram2
ENSMUSG00000057367	1606.510	0.890	0.131	6.788	1.1E-11	1.1717E-10	Birc2
ENSMUSG00000117628	200.588	0.890	0.302	2.949	3.2E-03	0.01140898	Gm50012
ENSMUSG00000051344	2766.039	0.890	0.113	7.838	4.6E-15	6.055E-14	Plekhm3
ENSMUSG00000032715	558.276	0.889	0.200	4.440	9.0E-06	5.0311E-05	Trib3
ENSMUSG00000051314	437.522	0.889	0.240	3.697	2.2E-04	0.00097742	Ffar2
ENSMUSG00000048327	1379.619	0.888	0.140	6.368	1.9E-10	1.803E-09	Ckap21
ENSMUSG00000059970	849.605	0.888	0.159	5.571	2.5E-08	1.9332E-07	Hspa2
ENSMUSG00000073940	94.233	0.888	0.308	2.878	4.0E-03	0.0139492	Hbb-bt
ENSMUSG00000118106	117.436	0.887	0.291	3.048	2.3E-03	0.00850217	AC115752.1
ENSMUSG00000026102	2523.319	0.886	0.137	6.453	1.1E-10	1.0482E-09	Inpp1
ENSMUSG00000026021	5590.842	0.885	0.081	10.915	9.8E-28	2.5198E-26	Sumo1
ENSMUSG00000027074	960.345	0.885	0.199	4.457	8.3E-06	4.6614E-05	Slc43a3
ENSMUSG00000031503	1786.093	0.885	0.155	5.711	1.1E-08	8.9452E-08	Col4a2
ENSMUSG00000092074	620.014	0.880	0.166	5.292	1.2E-07	8.5692E-07	Dynlt1a
ENSMUSG00000056091	10644.273	0.879	0.132	6.650	2.9E-11	2.9384E-10	St3gal5
ENSMUSG00000025743	32606.848	0.879	0.137	6.414	1.4E-10	1.3512E-09	Sdc3
ENSMUSG00000037993	3108.778	0.879	0.112	7.866	3.7E-15	4.9004E-14	Dhx38
ENSMUSG00000059518	4210.975	0.879	0.104	8.412	4.0E-17	6.1446E-16	Znhit1
ENSMUSG00000089875	228.554	0.878	0.272	3.224	1.3E-03	0.00491595	Etohd2
ENSMUSG00000040435	3614.931	0.877	0.126	6.955	3.5E-12	3.8028E-11	Ppp1r15a
ENSMUSG00000095677	333.194	0.877	0.168	5.233	1.7E-07	1.1602E-06	Dynlt1f
ENSMUSG00000003847	1012.241	0.876	0.130	6.760	1.4E-11	1.413E-10	Nfat5
ENSMUSG00000038168	184.695	0.876	0.283	3.102	1.9E-03	0.00722139	P3h2
ENSMUSG00000037443	1549.833	0.876	0.119	7.376	1.6E-13	1.9552E-12	Cep85
ENSMUSG00000032042	7986.069	0.874	0.081	10.750	5.9E-27	1.4685E-25	Srpr
ENSMUSG00000021981	3489.261	0.874	0.123	7.101	1.2E-12	1.3897E-11	Cab391
ENSMUSG00000005656	10827.153	0.874	0.123	7.077	1.5E-12	1.6404E-11	Snx6
ENSMUSG00000030341	18960.219	0.874	0.084	10.449	1.5E-25	3.449E-24	Tnfrsfla
ENSMUSG00000004221	6277.698	0.873	0.087	10.047	9.4E-24	2.0563E-22	Ikbkg
ENSMUSG00000026579	750.086	0.873	0.233	3.748	1.8E-04	0.00081279	F5
ENSMUSG00000022378	13656.758	0.873	0.093	9.390	6.0E-21	1.1427E-19	Cyrib
ENSMUSG00000035311	2617.260	0.872	0.130	6.702	2.1E-11	2.0754E-10	Gnptab
ENSMUSG00000112880	75.037	0.871	0.312	2.796	5.2E-03	0.01758365	Gm20337
ENSMUSG00000049680	2679.782	0.871	0.111	7.854	4.0E-15	5.3823E-14	Urgcp
ENSMUSG00000080848	331.999	0.871	0.150	5.800	6.6E-09	5.3783E-08	Gm9385
ENSMUSG00000020838	952.720	0.869	0.327	2.655	7.9E-03	0.02559678	Slc6a4
ENSMUSG00000033557	2563.656	0.869	0.097	8.959	3.3E-19	5.685E-18	Fam20b
ENSMUSG00000034560	5356.823	0.868	0.091	9.580	9.7E-22	1.9314E-20	Washc4
ENSMUSG00000026005	3779.686	0.867	0.105	8.285	1.2E-16	1.7423E-15	Rpe
ENSMUSG00000020585	19378.111	0.867	0.092	9.398	5.5E-21	1.0557E-19	Laptm4a
ENSMUSG00000041483	3820.309	0.866	0.107	8.069	7.1E-16	9.9712E-15	Zfp281
ENSMUSG00000009772	3474.659	0.865	0.120	7.185	6.7E-13	7.6897E-12	Nuak2
ENSMUSG00000019806	1857.948	0.865	0.125	6.928	4.3E-12	4.5897E-11	Aig1
ENSMUSG00000091313	238.982	0.865	0.180	4.809	1.5E-06	9.3411E-06	Fth-ps2

ENSMUSG00000040128	10075.744	0.865	0.103	8.437	3.3E-17	5.0042E-16	Pnrcl
ENSMUSG00000023460	3216.921	0.865	0.092	9.439	3.8E-21	7.2635E-20	Rab12
ENSMUSG00000116811	136.677	0.864	0.214	4.047	5.2E-05	0.00025829	Gm16385
ENSMUSG00000033970	1623.956	0.864	0.137	6.295	3.1E-10	2.8393E-09	Rfc3
ENSMUSG00000026740	2698.085	0.864	0.111	7.810	5.7E-15	7.5317E-14	Dnajc1
ENSMUSG00000046668	319.342	0.863	0.338	2.551	1.1E-02	0.03329196	Cxxc5
ENSMUSG00000002820	1934.977	0.863	0.104	8.332	7.9E-17	1.1899E-15	Atg4d
ENSMUSG00000079316	2514.494	0.862	0.146	5.906	3.5E-09	2.9341E-08	Rab9
ENSMUSG00000019868	3165.494	0.862	0.099	8.671	4.3E-18	6.9722E-17	Vta1
ENSMUSG00000114759	63.945	0.862	0.319	2.706	6.8E-03	0.02240781	Gm10257
ENSMUSG00000041645	8771.582	0.862	0.084	10.238	1.3E-24	3.04E-23	Ddx24
ENSMUSG00000046916	545.799	0.861	0.284	3.033	2.4E-03	0.00888838	Myct1
ENSMUSG00000055401	6023.515	0.861	0.100	8.578	9.6E-18	1.5368E-16	Fbxo6
ENSMUSG00000083474	121.001	0.860	0.236	3.638	2.7E-04	0.00121441	Gm15267
ENSMUSG00000116657	525.689	0.860	0.250	3.439	5.8E-04	0.00242033	Gm49774
ENSMUSG00000051316	1639.880	0.859	0.126	6.822	9.0E-12	9.3784E-11	Taf7
ENSMUSG00000024511	1065.341	0.858	0.279	3.076	2.1E-03	0.0078127	Rab27b
ENSMUSG00000117634	129.680	0.857	0.266	3.224	1.3E-03	0.00492361	Gm50069
ENSMUSG00000024542	541.195	0.857	0.193	4.447	8.7E-06	4.8706E-05	Cep192
ENSMUSG00000025804	9407.511	0.857	0.178	4.805	1.6E-06	9.5356E-06	Ccr1
ENSMUSG00000027454	324.500	0.857	0.244	3.507	4.5E-04	0.00191275	Gins1
ENSMUSG00000031245	477.000	0.857	0.185	4.628	3.7E-06	2.1723E-05	Hmgn5
ENSMUSG00000034613	7295.745	0.856	0.073	11.697	1.3E-31	3.9289E-30	Ppm1h
ENSMUSG00000037400	7013.715	0.854	0.116	7.332	2.3E-13	2.7067E-12	Atp11b
ENSMUSG00000020100	4121.441	0.854	0.158	5.403	6.5E-08	4.7737E-07	Slc29a3
ENSMUSG00000036528	4304.858	0.854	0.158	5.395	6.9E-08	4.9996E-07	Pfifbp2
ENSMUSG00000042133	5844.185	0.853	0.105	8.116	4.8E-16	6.8819E-15	Ppig
ENSMUSG00000028466	3834.787	0.853	0.078	10.966	5.5E-28	1.4382E-26	Creb3
ENSMUSG00000021423	13569.239	0.852	0.174	4.899	9.6E-07	6.0718E-06	Ly86
ENSMUSG00000037788	2096.654	0.850	0.142	5.997	2.0E-09	1.7223E-08	Vopp1
ENSMUSG00000021774	1547.116	0.850	0.117	7.264	3.7E-13	4.3784E-12	Ube2e1
ENSMUSG00000118653	623.252	0.850	0.107	7.907	2.6E-15	3.5709E-14	AC159819.1
ENSMUSG00000054091	3299.049	0.849	0.106	8.012	1.1E-15	1.5624E-14	1810037I17Rik
ENSMUSG00000024661	#####	0.849	0.097	8.711	3.0E-18	4.9456E-17	Fth1
ENSMUSG00000023845	5798.250	0.849	0.105	8.054	8.0E-16	1.1187E-14	Lnpep
ENSMUSG00000026864	77690.952	0.848	0.075	11.368	6.0E-30	1.701E-28	Hspa5
ENSMUSG00000027829	7963.066	0.848	0.096	8.823	1.1E-18	1.8691E-17	Ccn11
ENSMUSG00000020437	15599.077	0.847	0.116	7.331	2.3E-13	2.7191E-12	Myo1g
ENSMUSG00000047446	1319.566	0.846	0.163	5.188	2.1E-07	1.4555E-06	Arl4a
ENSMUSG00000038543	1085.911	0.845	0.128	6.593	4.3E-11	4.2532E-10	BC028528
ENSMUSG00000014867	28224.299	0.845	0.069	12.234	2.1E-34	6.8956E-33	Surf4
ENSMUSG00000022179	299.595	0.844	0.343	2.462	1.4E-02	0.0415937	4931414P19Rik
ENSMUSG00000056529	28416.597	0.844	0.132	6.412	1.4E-10	1.3646E-09	Ptafr
ENSMUSG00000019173	14025.948	0.843	0.113	7.464	8.4E-14	1.0295E-12	Rab5c
ENSMUSG00000037313	1909.251	0.841	0.098	8.543	1.3E-17	2.058E-16	Tacc3
ENSMUSG00000027765	571.468	0.841	0.193	4.363	1.3E-05	6.9916E-05	P2ry1
ENSMUSG00000094530	1214.779	0.840	0.147	5.700	1.2E-08	9.498E-08	Gm21399
ENSMUSG00000112808	78.897	0.840	0.339	2.480	1.3E-02	0.03983358	Gm4739
ENSMUSG00000028159	2885.281	0.840	0.116	7.236	4.6E-13	5.3789E-12	Dapp1
ENSMUSG00000006262	1524.721	0.839	0.150	5.601	2.1E-08	1.647E-07	Mob1b
ENSMUSG00000027637	6632.989	0.839	0.117	7.157	8.3E-13	9.3805E-12	Rab5if
ENSMUSG00000075122	560.685	0.838	0.236	3.548	3.9E-04	0.00166317	Cd80

ENSMUSG00000024966	8966.306	0.838	0.078	10.772	4.7E-27	1.1641E-25	Stip1
ENSMUSG00000057342	5430.208	0.837	0.116	7.199	6.1E-13	6.9679E-12	Sphk2
ENSMUSG00000052763	1072.593	0.837	0.210	3.993	6.5E-05	0.00031971	Zfp212
ENSMUSG00000018476	6567.949	0.837	0.149	5.618	1.9E-08	1.4962E-07	Kdm6b
ENSMUSG00000024066	10550.915	0.837	0.155	5.408	6.4E-08	4.6557E-07	Xdh
ENSMUSG00000022529	7331.824	0.836	0.097	8.657	4.8E-18	7.851E-17	Zfp263
ENSMUSG00000068250	1232.118	0.835	0.169	4.938	7.9E-07	5.0297E-06	Amn1
ENSMUSG00000020474	722.832	0.835	0.215	3.891	1.0E-04	0.00047393	Polm
ENSMUSG00000020271	7656.880	0.834	0.120	6.967	3.2E-12	3.5128E-11	Fbxw11
ENSMUSG00000035011	15203.131	0.834	0.103	8.110	5.1E-16	7.1936E-15	Zbtb7a
ENSMUSG00000029992	1540.772	0.832	0.110	7.562	4.0E-14	4.9513E-13	Gfpt1
ENSMUSG00000068040	7010.388	0.831	0.105	7.903	2.7E-15	3.6615E-14	Tm9sf4
ENSMUSG00000025163	146.689	0.831	0.339	2.452	1.4E-02	0.04260923	Cd7
ENSMUSG00000021338	839.389	0.831	0.172	4.839	1.3E-06	8.0804E-06	Carmil1
ENSMUSG00000058407	6100.204	0.831	0.077	10.843	2.2E-27	5.4414E-26	Txndc9
ENSMUSG00000038485	721.098	0.829	0.175	4.734	2.2E-06	1.3315E-05	Socs7
ENSMUSG00000024824	2110.812	0.828	0.140	5.928	3.1E-09	2.5823E-08	Rad9a
ENSMUSG00000020844	1053.367	0.828	0.129	6.419	1.4E-10	1.3067E-09	Nxn
ENSMUSG00000032484	128091.682	0.828	0.194	4.270	2.0E-05	0.00010361	Ngp
ENSMUSG00000024241	747.852	0.827	0.275	3.008	2.6E-03	0.00957285	Sos1
ENSMUSG00000034947	24346.492	0.827	0.125	6.610	3.8E-11	3.8136E-10	Tmem106a
ENSMUSG00000066278	1992.386	0.826	0.126	6.568	5.1E-11	4.9885E-10	Vps37b
ENSMUSG00000020423	5298.958	0.825	0.077	10.706	9.6E-27	2.3466E-25	Btg2
ENSMUSG00000019505	47569.812	0.824	0.112	7.390	1.5E-13	1.7656E-12	Ubb
ENSMUSG00000002325	5799.260	0.824	0.161	5.130	2.9E-07	1.9565E-06	Irf9
ENSMUSG00000029125	1773.104	0.824	0.171	4.814	1.5E-06	9.1389E-06	Stx18
ENSMUSG00000072769	176.920	0.823	0.284	2.904	3.7E-03	0.01295853	Gm10419
ENSMUSG00000015671	14104.440	0.823	0.073	11.262	2.0E-29	5.5933E-28	Psma2
ENSMUSG00000036644	3818.209	0.822	0.120	6.826	8.7E-12	9.0993E-11	Tbc1d9b
ENSMUSG00000056268	1868.826	0.822	0.183	4.495	6.9E-06	3.9402E-05	Dennd1b
ENSMUSG00000024174	386.523	0.822	0.244	3.367	7.6E-04	0.00307969	Pot1b
ENSMUSG00000018042	23066.176	0.822	0.098	8.342	7.3E-17	1.0955E-15	Cyb5r3
ENSMUSG00000024989	299.680	0.821	0.253	3.244	1.2E-03	0.00462374	Cep55
ENSMUSG00000019210	19834.170	0.821	0.061	13.523	1.2E-41	4.9877E-40	Atp6v1e1
ENSMUSG00000014599	10858.047	0.821	0.145	5.670	1.4E-08	1.1213E-07	Csfl
ENSMUSG00000015733	43945.212	0.820	0.077	10.669	1.4E-26	3.4536E-25	Capza2
ENSMUSG00000046463	143.477	0.820	0.343	2.386	1.7E-02	0.04986125	5930403N24Rik
ENSMUSG00000045954	817.220	0.819	0.268	3.061	2.2E-03	0.0081845	Cavin2
ENSMUSG00000031778	3217.159	0.819	0.186	4.393	1.1E-05	6.1483E-05	Cx3c11
ENSMUSG00000035799	115.081	0.817	0.319	2.562	1.0E-02	0.03232651	Twist1
ENSMUSG00000033644	224.025	0.817	0.272	3.010	2.6E-03	0.00952639	Piwil2
ENSMUSG00000020290	4599.944	0.817	0.149	5.500	3.8E-08	2.8477E-07	Xpo1
ENSMUSG00000031337	1959.838	0.816	0.119	6.846	7.6E-12	7.9394E-11	Mtm1
ENSMUSG00000029501	3709.284	0.815	0.163	5.015	5.3E-07	3.4448E-06	Ankle2
ENSMUSG00000016256	121774.494	0.815	0.074	11.056	2.0E-28	5.3967E-27	Ctsz
ENSMUSG00000035711	6289.688	0.815	0.097	8.424	3.6E-17	5.5319E-16	Dok3
ENSMUSG00000100394	196.099	0.815	0.301	2.709	6.7E-03	0.02220459	Gm28791
ENSMUSG00000033949	665.150	0.814	0.222	3.661	2.5E-04	0.00111541	Trim36
ENSMUSG00000030159	1268.192	0.813	0.278	2.921	3.5E-03	0.0123626	Clec1b
ENSMUSG00000005125	500.343	0.811	0.223	3.630	2.8E-04	0.00124962	Ndrgl
ENSMUSG00000021254	1965.003	0.811	0.112	7.226	5.0E-13	5.7479E-12	Gpatch21
ENSMUSG00000109555	237.966	0.810	0.327	2.474	1.3E-02	0.04035678	Gm44891

ENSMUSG00000055216	77.170	0.810	0.319	2.540	1.1E-02	0.03426812	9430025C20Rik
ENSMUSG00000039081	940.944	0.810	0.165	4.906	9.3E-07	5.8575E-06	Zfp503
ENSMUSG00000024955	1675.688	0.809	0.117	6.915	4.7E-12	5.0106E-11	Esrra
ENSMUSG00000033933	2007.440	0.808	0.139	5.811	6.2E-09	5.0741E-08	Vhl
ENSMUSG00000003379	402.993	0.808	0.312	2.588	9.6E-03	0.03026979	Cd79a
ENSMUSG00000063450	459.770	0.808	0.204	3.960	7.5E-05	0.00036317	Syne2
ENSMUSG00000014547	6489.571	0.808	0.128	6.313	2.7E-10	2.5303E-09	Wdfy2
ENSMUSG00000020790	4517.933	0.808	0.113	7.151	8.6E-13	9.7499E-12	Ankfy1
ENSMUSG00000031669	363.316	0.807	0.259	3.120	1.8E-03	0.00681122	Gins3
ENSMUSG00000026155	2263.695	0.807	0.171	4.716	2.4E-06	1.4486E-05	Smap1
ENSMUSG00000035151	987.734	0.806	0.179	4.510	6.5E-06	3.6845E-05	Elmod2
ENSMUSG00000021065	2372.438	0.805	0.116	6.947	3.7E-12	4.0345E-11	Fut8
ENSMUSG00000020919	2890.917	0.805	0.127	6.350	2.2E-10	2.0224E-09	Stat5b
ENSMUSG00000021868	2411.761	0.805	0.139	5.795	6.8E-09	5.5332E-08	Ppif
ENSMUSG00000034361	7309.496	0.805	0.082	9.773	1.5E-22	3.0283E-21	Cpne2
ENSMUSG00000028821	5948.944	0.805	0.092	8.746	2.2E-18	3.6491E-17	Syf2
ENSMUSG00000069910	493.709	0.804	0.191	4.218	2.5E-05	0.00012825	Spd11
ENSMUSG00000022799	2623.995	0.804	0.126	6.396	1.6E-10	1.5076E-09	Arhgap31
ENSMUSG00000020300	4916.318	0.803	0.157	5.121	3.0E-07	2.0411E-06	Cpeb4
ENSMUSG00000020467	302.660	0.803	0.260	3.084	2.0E-03	0.00761446	Efemp1
ENSMUSG00000038172	2010.525	0.802	0.138	5.813	6.2E-09	5.0213E-08	Ttc39b
ENSMUSG00000034480	2632.796	0.802	0.146	5.485	4.1E-08	3.0868E-07	Diaph2
ENSMUSG00000050732	16334.831	0.802	0.084	9.523	1.7E-21	3.3081E-20	Vamp8
ENSMUSG00000038023	3833.750	0.802	0.131	6.115	9.6E-10	8.493E-09	Atp6v0a2
ENSMUSG00000061288	12208.497	0.801	0.136	5.895	3.7E-09	3.1237E-08	Taok3
ENSMUSG00000039156	4415.362	0.801	0.071	11.235	2.7E-29	7.5025E-28	Stim2
ENSMUSG00000026341	45046.453	0.801	0.083	9.620	6.6E-22	1.3147E-20	Actr3
ENSMUSG00000078578	29275.407	0.800	0.056	14.236	5.5E-46	2.6725E-44	Ube2d3
ENSMUSG00000029802	665.825	0.800	0.175	4.572	4.8E-06	2.7967E-05	Abcg2
ENSMUSG00000050550	75.768	0.800	0.333	2.404	1.6E-02	0.04785612	Gm11868
ENSMUSG00000033658	710.775	0.800	0.125	6.389	1.7E-10	1.574E-09	Ddx19b
ENSMUSG00000057219	1964.734	0.799	0.147	5.439	5.4E-08	3.9543E-07	Armc7
ENSMUSG00000037270	1794.814	0.799	0.134	5.982	2.2E-09	1.8808E-08	4932438A13Rik
ENSMUSG00000030793	4330.253	0.799	0.148	5.384	7.3E-08	5.2982E-07	Pycard
ENSMUSG00000021996	76234.603	0.798	0.067	11.964	5.5E-33	1.7484E-31	Esd
ENSMUSG00000098192	48.611	0.798	0.317	2.522	1.2E-02	0.03582999	Gm3534
ENSMUSG00000050953	3788.083	0.798	0.157	5.096	3.5E-07	2.317E-06	Gja1
ENSMUSG00000053063	8716.717	0.798	0.107	7.441	1.0E-13	1.2128E-12	Clec12a
ENSMUSG00000052137	396.178	0.797	0.209	3.811	1.4E-04	0.00064455	Rbm12b2
ENSMUSG00000055720	4140.260	0.797	0.092	8.656	4.9E-18	7.9141E-17	Ubl7
ENSMUSG00000001786	1741.177	0.797	0.093	8.536	1.4E-17	2.1802E-16	Fbxo7
ENSMUSG00000046079	3699.618	0.797	0.098	8.135	4.1E-16	5.8959E-15	Lrrc8d
ENSMUSG00000017428	8749.927	0.796	0.059	13.504	1.5E-41	6.4187E-40	Psmd11
ENSMUSG00000006134	2678.870	0.796	0.104	7.667	1.8E-14	2.2357E-13	Crkl
ENSMUSG00000060073	9355.361	0.796	0.073	10.894	1.2E-27	3.1475E-26	Psma3
ENSMUSG00000032754	5672.108	0.794	0.115	6.882	5.9E-12	6.2228E-11	Slc8b1
ENSMUSG00000040761	1877.085	0.794	0.184	4.322	1.5E-05	8.3074E-05	Spen
ENSMUSG00000027694	469.371	0.794	0.227	3.504	4.6E-04	0.00193346	Gm8325
ENSMUSG00000020868	10874.784	0.794	0.151	5.264	1.4E-07	9.9109E-07	Xylt2
ENSMUSG00000082319	492.552	0.794	0.128	6.224	4.9E-10	4.3908E-09	Actr3-ps
ENSMUSG00000027613	16734.719	0.793	0.084	9.496	2.2E-21	4.2528E-20	Eif6
ENSMUSG00000020413	587.835	0.793	0.198	4.009	6.1E-05	0.0003004	Hus1

ENSMUSG00000040482	1631.389	0.793	0.150	5.300	1.2E-07	8.2345E-07	Dxo
ENSMUSG00000032849	1793.515	0.791	0.179	4.426	9.6E-06	5.3371E-05	Abcc4
ENSMUSG00000081999	99.057	0.791	0.313	2.531	1.1E-02	0.0350761	Gm13461
ENSMUSG00000025171	6967.260	0.790	0.101	7.825	5.1E-15	6.706E-14	Ubtd1
ENSMUSG00000058755	1124.707	0.790	0.193	4.094	4.2E-05	0.00021357	Osm
ENSMUSG00000059900	1194.629	0.789	0.252	3.134	1.7E-03	0.00653005	Tmem40
ENSMUSG00000048163	12784.250	0.788	0.074	10.698	1.0E-26	2.5414E-25	Selplg
ENSMUSG00000032497	5098.038	0.788	0.076	10.307	6.5E-25	1.4881E-23	Lrrfip2
ENSMUSG00000043895	9083.833	0.788	0.138	5.703	1.2E-08	9.3142E-08	S1pr2
ENSMUSG00000025193	926.036	0.788	0.159	4.962	7.0E-07	4.4565E-06	Cutc
ENSMUSG00000039989	2236.923	0.787	0.114	6.881	5.9E-12	6.2771E-11	Cbx4
ENSMUSG00000051147	473.590	0.787	0.180	4.381	1.2E-05	6.4742E-05	Nat2
ENSMUSG00000028484	1424.221	0.787	0.137	5.735	9.7E-09	7.7908E-08	Psip1
ENSMUSG00000033684	2493.176	0.786	0.122	6.426	1.3E-10	1.2454E-09	Qsox1
ENSMUSG00000017801	3133.405	0.786	0.089	8.842	9.4E-19	1.5946E-17	Mlx
ENSMUSG00000030002	4302.424	0.785	0.105	7.502	6.3E-14	7.7842E-13	Dusp11
ENSMUSG00000005804	3321.215	0.784	0.132	5.922	3.2E-09	2.6718E-08	Bloc1s6
ENSMUSG00000024924	733.342	0.784	0.244	3.216	1.3E-03	0.00504364	Vldlr
ENSMUSG00000020936	6906.441	0.783	0.086	9.134	6.6E-20	1.1882E-18	Nmt1
ENSMUSG00000020235	6732.918	0.783	0.108	7.251	4.2E-13	4.8333E-12	Fzr1
ENSMUSG00000062944	501.738	0.783	0.197	3.965	7.3E-05	0.00035682	9130023H24Rik
ENSMUSG00000021377	6677.420	0.782	0.115	6.810	9.8E-12	1.0154E-10	Dek
ENSMUSG00000074578	1099.453	0.782	0.164	4.777	1.8E-06	1.0858E-05	Zfas1
ENSMUSG00000003037	11124.450	0.781	0.082	9.487	2.4E-21	4.6117E-20	Rab8a
ENSMUSG00000027944	2850.401	0.781	0.091	8.581	9.4E-18	1.508E-16	Hax1
ENSMUSG00000025340	4535.543	0.781	0.089	8.777	1.7E-18	2.7988E-17	Rabgef1
ENSMUSG00000022052	5451.051	0.780	0.082	9.550	1.3E-21	2.5552E-20	Ppp2r2a
ENSMUSG00000001946	633.224	0.778	0.231	3.367	7.6E-04	0.00307565	Esam
ENSMUSG00000041028	25329.182	0.778	0.074	10.529	6.4E-26	1.5018E-24	Ghitm
ENSMUSG00000027835	4037.298	0.777	0.095	8.179	2.9E-16	4.1494E-15	Pdcd10
ENSMUSG00000034243	2418.339	0.777	0.137	5.668	1.4E-08	1.1305E-07	Golgb1
ENSMUSG00000024878	654.597	0.776	0.181	4.291	1.8E-05	9.4876E-05	Cbwd1
ENSMUSG00000044471	504.074	0.776	0.191	4.064	4.8E-05	0.00024135	Lncpint
ENSMUSG00000044201	231.785	0.776	0.257	3.017	2.6E-03	0.00932153	Cdc25c
ENSMUSG00000025277	157.216	0.775	0.275	2.822	4.8E-03	0.01638843	Abhd6
ENSMUSG00000045328	712.122	0.774	0.185	4.180	2.9E-05	0.00014992	Cenpe
ENSMUSG00000000538	868.382	0.774	0.210	3.682	2.3E-04	0.00103534	Tom112
ENSMUSG00000040018	1746.485	0.773	0.145	5.343	9.2E-08	6.5652E-07	Cox15
ENSMUSG00000017499	326.374	0.773	0.264	2.928	3.4E-03	0.01211551	Cdc6
ENSMUSG00000064090	1359.525	0.771	0.140	5.510	3.6E-08	2.6974E-07	Vrk2
ENSMUSG00000079227	10070.584	0.771	0.184	4.187	2.8E-05	0.00014591	Ccr5
ENSMUSG00000116957	275.401	0.771	0.286	2.693	7.1E-03	0.02313224	Gm34680
ENSMUSG00000072980	216.068	0.771	0.225	3.432	6.0E-04	0.00247798	Oip5
ENSMUSG00000020261	409.522	0.770	0.174	4.436	9.2E-06	5.0958E-05	Slc36a1
ENSMUSG00000048118	3387.259	0.770	0.142	5.409	6.3E-08	4.6314E-07	Arid4a
ENSMUSG00000040312	277.556	0.770	0.312	2.471	1.3E-02	0.04064138	Ccher1
ENSMUSG00000022370	1413.807	0.770	0.111	6.956	3.5E-12	3.7953E-11	Mrpl13
ENSMUSG00000035847	728.747	0.770	0.167	4.618	3.9E-06	2.2727E-05	Ids
ENSMUSG00000025757	1579.475	0.770	0.170	4.527	6.0E-06	3.421E-05	Hspa41
ENSMUSG00000099398	893.095	0.769	0.197	3.907	9.4E-05	0.000446	Ms4a14
ENSMUSG00000045268	785.617	0.769	0.142	5.432	5.6E-08	4.1084E-07	Zfp691
ENSMUSG00000031758	1194.613	0.769	0.215	3.574	3.5E-04	0.00151998	Cdyl2

ENSMUSG00000018565	4891.764	0.768	0.084	9.167	4.8E-20	8.7973E-19	Elp5
ENSMUSG00000017144	3066.013	0.768	0.161	4.757	2.0E-06	1.1969E-05	Rnd3
ENSMUSG000000037096	379.551	0.768	0.201	3.817	1.3E-04	0.00062779	Gm9762
ENSMUSG000000020744	2209.028	0.768	0.117	6.583	4.6E-11	4.5357E-10	Slc25a19
ENSMUSG000000074227	631.102	0.768	0.199	3.858	1.1E-04	0.00053663	Spint2
ENSMUSG000000036737	2051.657	0.767	0.143	5.354	8.6E-08	6.2029E-07	Oxsr1
ENSMUSG000000023908	1287.230	0.766	0.193	3.971	7.2E-05	0.00034772	Pkmyt1
ENSMUSG000000027222	2006.398	0.766	0.127	6.029	1.6E-09	1.4215E-08	Pex16
ENSMUSG000000055319	2219.995	0.765	0.117	6.534	6.4E-11	6.2182E-10	Sec23ip
ENSMUSG000000066568	4838.163	0.765	0.101	7.606	2.8E-14	3.5657E-13	Lsm14a
ENSMUSG00000001062	1532.017	0.764	0.200	3.830	1.3E-04	0.00059796	Vps9d1
ENSMUSG000000028790	7232.459	0.764	0.091	8.426	3.6E-17	5.4503E-16	Khdrbs1
ENSMUSG00000001441	5068.203	0.764	0.089	8.580	9.5E-18	1.5174E-16	Npepps
ENSMUSG000000046179	561.812	0.763	0.211	3.611	3.1E-04	0.00133389	E2f8
ENSMUSG000000057963	2202.208	0.762	0.113	6.755	1.4E-11	1.4605E-10	Itpk1
ENSMUSG000000019961	4913.713	0.761	0.135	5.631	1.8E-08	1.3912E-07	Tmpo
ENSMUSG000000057729	9247.772	0.760	0.124	6.143	8.1E-10	7.1765E-09	Prtn3
ENSMUSG000000031584	44654.238	0.760	0.089	8.534	1.4E-17	2.2283E-16	Gsr
ENSMUSG000000022475	957.455	0.760	0.172	4.413	1.0E-05	5.6209E-05	Hdac7
ENSMUSG000000070000	846.132	0.760	0.214	3.557	3.7E-04	0.00161025	Fcho1
ENSMUSG000000047454	724.836	0.759	0.198	3.833	1.3E-04	0.00059155	Gphn
ENSMUSG000000108238	493.703	0.758	0.215	3.532	4.1E-04	0.00175917	Gm43984
ENSMUSG000000028073	397.488	0.758	0.286	2.653	8.0E-03	0.02570871	Pear1
ENSMUSG000000053475	330.919	0.758	0.228	3.329	8.7E-04	0.00349929	Tnfaip6
ENSMUSG000000042599	2576.277	0.757	0.139	5.468	4.6E-08	3.3917E-07	Kdm7a
ENSMUSG000000078942	406.627	0.757	0.181	4.191	2.8E-05	0.00014321	Naip6
ENSMUSG000000040648	2125.114	0.757	0.131	5.775	7.7E-09	6.1936E-08	Ppip5k2
ENSMUSG000000040009	940.302	0.757	0.251	3.018	2.5E-03	0.00929572	Gnaz
ENSMUSG000000021809	898.530	0.756	0.230	3.282	1.0E-03	0.00408498	Nudt13
ENSMUSG000000034297	1281.616	0.756	0.147	5.149	2.6E-07	1.778E-06	Med13
ENSMUSG000000056413	1384.762	0.756	0.276	2.740	6.2E-03	0.02047893	Adap1
ENSMUSG000000028613	956.687	0.755	0.204	3.695	2.2E-04	0.00098398	Lrp8
ENSMUSG000000035152	3786.463	0.754	0.073	10.276	9.0E-25	2.0519E-23	Ap2b1
ENSMUSG000000046908	2121.617	0.754	0.134	5.620	1.9E-08	1.4823E-07	Ltb4r1
ENSMUSG000000021972	1044.376	0.754	0.148	5.112	3.2E-07	2.132E-06	Hmbox1
ENSMUSG000000028382	8750.748	0.754	0.093	8.115	4.9E-16	6.9115E-15	Ptbp3
ENSMUSG000000068758	3047.359	0.754	0.144	5.251	1.5E-07	1.0595E-06	Il3ra
ENSMUSG000000003062	9424.346	0.754	0.106	7.134	9.7E-13	1.0956E-11	Stard3nl
ENSMUSG000000109905	65.460	0.753	0.286	2.631	8.5E-03	0.02720196	Gm7380
ENSMUSG000000026202	8662.020	0.753	0.141	5.339	9.3E-08	6.6934E-07	Tuba4a
ENSMUSG000000029624	1133.999	0.752	0.178	4.228	2.4E-05	0.00012342	Ptcd1
ENSMUSG000000042613	2385.416	0.752	0.120	6.283	3.3E-10	3.0611E-09	Pbxip1
ENSMUSG000000044734	1556.115	0.752	0.214	3.515	4.4E-04	0.00186641	Serpinb1a
ENSMUSG000000078965	124.172	0.752	0.299	2.512	1.2E-02	0.03680632	Gm12033
ENSMUSG000000058594	3050.199	0.752	0.147	5.117	3.1E-07	2.0769E-06	Fbh1
ENSMUSG000000005610	51406.656	0.752	0.105	7.180	7.0E-13	7.9773E-12	Eif4g2
ENSMUSG000000020536	2067.854	0.751	0.135	5.554	2.8E-08	2.1286E-07	Llg11
ENSMUSG000000029110	9653.069	0.751	0.082	9.107	8.5E-20	1.5175E-18	Rnf4
ENSMUSG000000015755	4788.131	0.749	0.128	5.870	4.4E-09	3.6152E-08	Tab2
ENSMUSG000000021930	7377.081	0.749	0.097	7.725	1.1E-14	1.4442E-13	Spryd7
ENSMUSG000000042351	205.529	0.748	0.260	2.876	4.0E-03	0.01402285	Grap2
ENSMUSG000000037885	650.326	0.747	0.213	3.514	4.4E-04	0.00187201	Stk35

ENSMUSG00000075705	7614.031	0.747	0.108	6.905	5.0E-12	5.3428E-11	Msrb1
ENSMUSG00000025793	8341.368	0.747	0.114	6.542	6.1E-11	5.9259E-10	Hgs
ENSMUSG00000028920	3408.933	0.746	0.128	5.827	5.6E-09	4.6193E-08	Fbxo42
ENSMUSG00000025779	2501.840	0.746	0.102	7.298	2.9E-13	3.4462E-12	Ly96
ENSMUSG00000033124	1044.799	0.746	0.144	5.167	2.4E-07	1.6241E-06	Atg9a
ENSMUSG00000059810	682.610	0.746	0.165	4.535	5.8E-06	3.2982E-05	Rgs3
ENSMUSG00000032745	2166.705	0.745	0.074	10.099	5.6E-24	1.2315E-22	Gpbp1
ENSMUSG00000024030	20569.071	0.745	0.159	4.676	2.9E-06	1.7395E-05	Abcg1
ENSMUSG00000033916	11004.430	0.745	0.068	10.879	1.4E-27	3.6774E-26	Chmp2a
ENSMUSG00000054277	2410.693	0.744	0.113	6.581	4.7E-11	4.5866E-10	Arfgap3
ENSMUSG00000040152	49909.819	0.743	0.117	6.330	2.4E-10	2.2797E-09	Thbs1
ENSMUSG00000038342	2913.048	0.743	0.108	6.908	4.9E-12	5.2501E-11	Mlxip
ENSMUSG00000021994	1473.249	0.743	0.235	3.157	1.6E-03	0.0060894	Wnt5a
ENSMUSG00000041926	17613.676	0.743	0.070	10.678	1.3E-26	3.1404E-25	Rnpep
ENSMUSG00000067321	86.084	0.741	0.291	2.549	1.1E-02	0.03345364	Gm7931
ENSMUSG00000021270	7731.916	0.741	0.096	7.733	1.1E-14	1.3613E-13	Hsp90aa1
ENSMUSG00000023456	35178.518	0.740	0.071	10.451	1.4E-25	3.3734E-24	Tpi1
ENSMUSG00000032434	13098.605	0.739	0.121	6.108	1.0E-09	8.8771E-09	Cmtm6
ENSMUSG00000004096	6834.245	0.739	0.082	8.975	2.8E-19	4.9391E-18	Cwc15
ENSMUSG00000029470	22881.777	0.739	0.110	6.726	1.7E-11	1.7742E-10	P2rx4
ENSMUSG00000029775	871.893	0.739	0.137	5.372	7.8E-08	5.6269E-07	Klhdc10
ENSMUSG00000022514	760.664	0.737	0.165	4.470	7.8E-06	4.4121E-05	Il1rap
ENSMUSG00000044768	6155.645	0.736	0.123	5.967	2.4E-09	2.0426E-08	Macir
ENSMUSG00000024816	6793.367	0.735	0.102	7.180	7.0E-13	7.9882E-12	FrmD8
ENSMUSG00000070713	132.000	0.735	0.282	2.603	9.2E-03	0.02914386	Gm10282
ENSMUSG00000043008	1923.189	0.734	0.168	4.379	1.2E-05	6.5165E-05	Klh16
ENSMUSG00000062210	6991.742	0.734	0.068	10.831	2.5E-27	6.1682E-26	Tnfaip8
ENSMUSG00000031753	2484.110	0.734	0.122	5.995	2.0E-09	1.7373E-08	Cog4
ENSMUSG00000037820	31176.575	0.734	0.082	8.898	5.7E-19	9.7327E-18	Tgm2
ENSMUSG00000029923	316.817	0.733	0.301	2.436	1.5E-02	0.0442971	Rab19
ENSMUSG00000059995	1518.312	0.733	0.188	3.900	9.6E-05	0.00045775	Atxn713
ENSMUSG00000040850	1648.927	0.733	0.147	4.990	6.0E-07	3.8929E-06	Psme4
ENSMUSG00000037720	4090.243	0.733	0.076	9.685	3.5E-22	7.0366E-21	Tmem33
ENSMUSG00000042502	2476.987	0.732	0.088	8.320	8.8E-17	1.3142E-15	Cd2bp2
ENSMUSG00000018599	1216.434	0.732	0.211	3.471	5.2E-04	0.00216975	Mief2
ENSMUSG00000061689	7604.205	0.731	0.091	7.991	1.3E-15	1.8462E-14	Dlgap4
ENSMUSG00000021036	10244.232	0.731	0.084	8.750	2.1E-18	3.5406E-17	Sptlc2
ENSMUSG00000053334	858.351	0.731	0.182	4.004	6.2E-05	0.00030657	Ficd
ENSMUSG00000090946	4612.535	0.729	0.190	3.829	1.3E-04	0.0006005	Ccdc711
ENSMUSG00000073405	180.735	0.729	0.277	2.635	8.4E-03	0.02690173	H2-T-ps
ENSMUSG00000026547	43020.003	0.728	0.085	8.555	1.2E-17	1.8725E-16	Tagln2
ENSMUSG00000029152	10509.492	0.728	0.094	7.709	1.3E-14	1.6363E-13	Ociad1
ENSMUSG00000041231	727.398	0.728	0.169	4.298	1.7E-05	9.1979E-05	Ublcp1
ENSMUSG00000021987	7400.824	0.726	0.092	7.885	3.1E-15	4.2115E-14	Mtmr6
ENSMUSG00000032575	4958.714	0.725	0.079	9.240	2.5E-20	4.5361E-19	Manf
ENSMUSG00000032041	1590.276	0.725	0.122	5.931	3.0E-09	2.5395E-08	Tirap
ENSMUSG00000019794	2450.274	0.725	0.121	5.984	2.2E-09	1.8525E-08	Katna1
ENSMUSG00000022889	2877.829	0.724	0.104	6.940	3.9E-12	4.2453E-11	Mrpl39
ENSMUSG00000027293	34551.960	0.724	0.114	6.336	2.4E-10	2.1984E-09	Ehd4
ENSMUSG00000024054	3059.063	0.723	0.129	5.592	2.2E-08	1.7246E-07	Smchd1
ENSMUSG00000008859	7087.633	0.723	0.083	8.754	2.1E-18	3.4116E-17	Rala
ENSMUSG00000010392	2259.431	0.723	0.121	5.975	2.3E-09	1.961E-08	Gosr1

ENSMUSG00000026185	402.662	0.723	0.265	2.731	6.3E-03	0.02095136	Igfbp5
ENSMUSG00000086763	444.860	0.723	0.270	2.672	7.5E-03	0.02445852	Plxna4os1
ENSMUSG00000025747	1465.137	0.722	0.150	4.819	1.4E-06	8.8957E-06	Tyms
ENSMUSG00000022723	594.313	0.721	0.164	4.401	1.1E-05	5.9353E-05	Crybg3
ENSMUSG00000042203	950.476	0.721	0.185	3.904	9.4E-05	0.00044978	Tbc1d22b
ENSMUSG00000090958	3322.777	0.720	0.120	5.981	2.2E-09	1.8854E-08	Lrrc32
ENSMUSG00000032560	2321.011	0.719	0.160	4.502	6.7E-06	3.8192E-05	Dnajc13
ENSMUSG00000073647	118.116	0.719	0.242	2.970	3.0E-03	0.01072728	Gm10557
ENSMUSG00000002210	3491.899	0.719	0.104	6.885	5.8E-12	6.1245E-11	Smg9
ENSMUSG00000021993	835.027	0.718	0.202	3.560	3.7E-04	0.00159533	Mipep
ENSMUSG00000096617	1088.578	0.717	0.169	4.252	2.1E-05	0.00011161	Gm5559
ENSMUSG00000020349	12890.492	0.717	0.127	5.644	1.7E-08	1.2977E-07	Ppp2ca
ENSMUSG00000036241	8269.824	0.715	0.107	6.664	2.7E-11	2.6827E-10	Ube2r2
ENSMUSG00000020576	742.205	0.715	0.183	3.910	9.2E-05	0.00044063	Nbas
ENSMUSG00000079523	20791.165	0.715	0.138	5.171	2.3E-07	1.5902E-06	Tmsb10
ENSMUSG00000052310	24204.092	0.715	0.117	6.096	1.1E-09	9.5519E-09	Slc39a1
ENSMUSG00000034748	1734.716	0.712	0.125	5.693	1.2E-08	9.8628E-08	Sirt6
ENSMUSG00000014195	4365.420	0.712	0.085	8.376	5.5E-17	8.2895E-16	Dnajc7
ENSMUSG00000021115	2267.080	0.711	0.114	6.217	5.1E-10	4.5689E-09	Vrk1
ENSMUSG00000048865	6964.741	0.711	0.099	7.162	7.9E-13	9.0161E-12	Arhgap30
ENSMUSG00000034445	2216.547	0.711	0.095	7.509	6.0E-14	7.3795E-13	Cyb561a3
ENSMUSG00000070808	1072.059	0.711	0.222	3.199	1.4E-03	0.00531894	Bicra
ENSMUSG00000031709	826.453	0.710	0.212	3.354	8.0E-04	0.00321986	Tbc1d9
ENSMUSG00000030654	26821.620	0.710	0.089	7.950	1.9E-15	2.5302E-14	Arl6ip1
ENSMUSG00000057522	10307.955	0.710	0.091	7.796	6.4E-15	8.3391E-14	Spop
ENSMUSG00000004070	6942.203	0.709	0.113	6.253	4.0E-10	3.6794E-09	Hmxo2
ENSMUSG00000033075	1691.864	0.709	0.103	6.913	4.7E-12	5.0601E-11	Senp1
ENSMUSG00000028245	2205.493	0.708	0.128	5.531	3.2E-08	2.4119E-07	Nsmaf
ENSMUSG00000038387	2442.492	0.707	0.111	6.362	2.0E-10	1.8709E-09	Rras
ENSMUSG00000021807	5479.899	0.707	0.091	7.735	1.0E-14	1.3405E-13	Rtraf
ENSMUSG00000046027	3133.512	0.707	0.113	6.230	4.7E-10	4.2208E-09	Stard5
ENSMUSG00000008384	4620.772	0.706	0.134	5.282	1.3E-07	9.033E-07	Sertad1
ENSMUSG00000060475	7710.479	0.706	0.098	7.170	7.5E-13	8.5568E-12	Wtap
ENSMUSG00000010095	35458.924	0.706	0.084	8.435	3.3E-17	5.0783E-16	Slc3a2
ENSMUSG00000020124	4810.735	0.705	0.113	6.253	4.0E-10	3.6853E-09	Usp15
ENSMUSG00000034158	13842.865	0.705	0.113	6.250	4.1E-10	3.7352E-09	Lrrc58
ENSMUSG00000045573	622.159	0.704	0.262	2.691	7.1E-03	0.02328784	Penk
ENSMUSG00000062070	6048.290	0.704	0.075	9.414	4.8E-21	9.175E-20	Pgk1
ENSMUSG00000042121	2146.458	0.702	0.123	5.725	1.0E-08	8.2353E-08	Ssh1
ENSMUSG00000044864	1967.573	0.701	0.150	4.677	2.9E-06	1.7323E-05	Ankrd50
ENSMUSG00000063550	4294.258	0.701	0.111	6.341	2.3E-10	2.1392E-09	Nup98
ENSMUSG00000041241	2994.874	0.701	0.112	6.276	3.5E-10	3.1928E-09	Mul1
ENSMUSG00000026784	537.766	0.701	0.210	3.343	8.3E-04	0.00334153	Pdss1
ENSMUSG00000001774	4780.752	0.700	0.085	8.196	2.5E-16	3.5993E-15	Chordc1
ENSMUSG00000031548	1587.189	0.700	0.264	2.651	8.0E-03	0.02582239	Sfrp1
ENSMUSG00000031309	730.792	0.700	0.226	3.096	2.0E-03	0.00734498	Rps6ka3
ENSMUSG00000059923	16462.104	0.699	0.089	7.891	3.0E-15	4.0228E-14	Grb2
ENSMUSG00000031862	5538.300	0.698	0.118	5.919	3.2E-09	2.7231E-08	Atp13a1
ENSMUSG00000027496	1306.726	0.698	0.128	5.447	5.1E-08	3.7743E-07	Aurka
ENSMUSG00000052534	559.203	0.697	0.223	3.131	1.7E-03	0.0065922	Pbx1
ENSMUSG00000034220	7209.495	0.697	0.095	7.329	2.3E-13	2.7626E-12	Gpc1
ENSMUSG00000022641	3581.719	0.696	0.138	5.046	4.5E-07	2.9595E-06	Bbx

ENSMUSG00000022237	2014.908	0.696	0.146	4.783	1.7E-06	1.0588E-05	Ankrd33b
ENSMUSG00000020745	10413.219	0.696	0.065	10.732	7.2E-27	1.7693E-25	Pafah1b1
ENSMUSG00000036057	1028.882	0.695	0.130	5.348	8.9E-08	6.4052E-07	Ptpn23
ENSMUSG00000020647	1764.342	0.695	0.151	4.592	4.4E-06	2.5548E-05	Ncoa1
ENSMUSG000000112023	34027.800	0.695	0.090	7.716	1.2E-14	1.5499E-13	Lilr4b
ENSMUSG00000066900	5295.646	0.694	0.126	5.497	3.9E-08	2.8957E-07	Suds3
ENSMUSG00000024563	3700.232	0.694	0.115	6.027	1.7E-09	1.4442E-08	Smad2
ENSMUSG00000039804	2404.404	0.694	0.152	4.573	4.8E-06	2.7812E-05	Ncoa5
ENSMUSG00000024960	2538.960	0.693	0.155	4.460	8.2E-06	4.603E-05	Plcb3
ENSMUSG00000029131	2879.362	0.693	0.088	7.853	4.1E-15	5.4102E-14	Dnajb6
ENSMUSG00000029287	366.514	0.692	0.220	3.141	1.7E-03	0.00639206	Tgfb3
ENSMUSG00000024807	6748.025	0.692	0.092	7.540	4.7E-14	5.857E-13	Syvn1
ENSMUSG00000035596	4026.832	0.691	0.122	5.685	1.3E-08	1.028E-07	Mboat7
ENSMUSG00000045658	20844.298	0.691	0.121	5.686	1.3E-08	1.0216E-07	Pid1
ENSMUSG00000023913	37295.655	0.689	0.075	9.234	2.6E-20	4.7759E-19	Pla2g7
ENSMUSG00000015837	126416.486	0.689	0.118	5.840	5.2E-09	4.2872E-08	Sqstm1
ENSMUSG00000041229	889.401	0.689	0.132	5.219	1.8E-07	1.2463E-06	Phf8
ENSMUSG00000021453	10035.419	0.688	0.119	5.774	7.8E-09	6.2533E-08	Gadd45g
ENSMUSG00000052248	1538.745	0.688	0.170	4.049	5.1E-05	0.0002561	Zeb2os
ENSMUSG00000032643	2627.690	0.687	0.166	4.146	3.4E-05	0.00017231	Fhl3
ENSMUSG00000028439	1283.595	0.686	0.141	4.852	1.2E-06	7.6137E-06	Fam219a
ENSMUSG00000020152	31844.281	0.686	0.094	7.269	3.6E-13	4.25E-12	Actr2
ENSMUSG00000020952	4349.118	0.686	0.096	7.178	7.1E-13	8.086E-12	Scfd1
ENSMUSG00000048277	11496.997	0.685	0.075	9.098	9.2E-20	1.6348E-18	Syngn2
ENSMUSG00000019971	527.800	0.685	0.222	3.086	2.0E-03	0.00757923	Cep290
ENSMUSG00000040314	2293.239	0.685	0.126	5.417	6.0E-08	4.436E-07	Ctsg
ENSMUSG00000019923	5492.866	0.685	0.085	8.040	9.0E-16	1.2564E-14	Zwint
ENSMUSG00000024642	1109.102	0.684	0.189	3.616	3.0E-04	0.00131072	Tle4
ENSMUSG00000029505	3881.270	0.684	0.091	7.553	4.3E-14	5.3203E-13	Ep400
ENSMUSG00000040552	79234.174	0.684	0.153	4.460	8.2E-06	4.6079E-05	C3ar1
ENSMUSG00000000276	546.162	0.683	0.240	2.845	4.4E-03	0.01535704	Dgke
ENSMUSG00000022801	997.032	0.682	0.146	4.686	2.8E-06	1.6605E-05	Lrch3
ENSMUSG00000022893	831.599	0.682	0.153	4.447	8.7E-06	4.8632E-05	Adamts1
ENSMUSG00000025044	23402.247	0.682	0.132	5.170	2.3E-07	1.5953E-06	Msr1
ENSMUSG00000020205	1383.660	0.681	0.105	6.474	9.5E-11	9.1651E-10	Phlda1
ENSMUSG00000034311	326.878	0.681	0.248	2.740	6.1E-03	0.02044088	Kif4
ENSMUSG00000063439	1344.952	0.680	0.150	4.537	5.7E-06	3.2625E-05	B9d2
ENSMUSG00000002897	7722.133	0.680	0.092	7.375	1.6E-13	1.9824E-12	Il17ra
ENSMUSG00000038260	706.826	0.680	0.189	3.601	3.2E-04	0.00138269	Trpm4
ENSMUSG00000014601	3421.221	0.679	0.132	5.125	3.0E-07	2.0014E-06	Strip1
ENSMUSG00000020366	3226.144	0.679	0.118	5.757	8.5E-09	6.8676E-08	Mapk9
ENSMUSG00000034484	15983.318	0.678	0.118	5.754	8.7E-09	6.9882E-08	Snx2
ENSMUSG00000024847	4766.123	0.678	0.084	8.024	1.0E-15	1.4247E-14	Aip
ENSMUSG00000096255	234.450	0.678	0.196	3.456	5.5E-04	0.00228175	Dynlt1b
ENSMUSG00000060860	2532.241	0.677	0.113	6.005	1.9E-09	1.6394E-08	Ube2s
ENSMUSG00000027379	400.655	0.677	0.225	3.013	2.6E-03	0.00945547	Bub1
ENSMUSG00000017831	5852.341	0.677	0.100	6.758	1.4E-11	1.4381E-10	Rab5a
ENSMUSG00000030726	2725.972	0.677	0.104	6.501	8.0E-11	7.7013E-10	Pold3
ENSMUSG00000034111	392.414	0.676	0.231	2.926	3.4E-03	0.01218067	Tmed8
ENSMUSG00000050965	733.650	0.676	0.209	3.237	1.2E-03	0.00471629	Prkca
ENSMUSG00000073412	8260.485	0.676	0.134	5.052	4.4E-07	2.8725E-06	Lst1
ENSMUSG00000034850	6505.710	0.675	0.110	6.128	8.9E-10	7.8973E-09	Tmem127

ENSMUSG00000029291	5292.172	0.675	0.116	5.795	6.8E-09	5.5312E-08	Rufy3
ENSMUSG00000084124	85.639	0.674	0.279	2.417	1.6E-02	0.0463924	Gm13588
ENSMUSG00000038324	9487.890	0.674	0.102	6.586	4.5E-11	4.4674E-10	Trpc4ap
ENSMUSG00000073987	4998.700	0.673	0.081	8.353	6.7E-17	1.0038E-15	Ggh
ENSMUSG00000005575	9258.263	0.673	0.178	3.791	1.5E-04	0.00069336	Ube2m
ENSMUSG00000034206	206.078	0.673	0.208	3.242	1.2E-03	0.00464639	Polq
ENSMUSG00000067017	374.653	0.673	0.160	4.199	2.7E-05	0.00013899	Capza1-ps1
ENSMUSG00000055435	19662.138	0.673	0.138	4.888	1.0E-06	6.404E-06	Maf
ENSMUSG00000085148	3030.832	0.673	0.111	6.082	1.2E-09	1.0369E-08	Mir22hg
ENSMUSG00000051853	8884.259	0.672	0.129	5.203	2.0E-07	1.3457E-06	Arf3
ENSMUSG00000021598	5571.852	0.672	0.099	6.806	1.0E-11	1.0392E-10	Med10
ENSMUSG00000020184	16463.367	0.672	0.110	6.116	9.6E-10	8.4827E-09	Mdm2
ENSMUSG00000026475	2071.575	0.672	0.180	3.734	1.9E-04	0.00085616	Rgs16
ENSMUSG00000037544	458.660	0.672	0.206	3.267	1.1E-03	0.0042801	Dlgap5
ENSMUSG00000058240	1627.920	0.672	0.106	6.326	2.5E-10	2.3347E-09	Cryz11
ENSMUSG00000029178	5381.327	0.671	0.098	6.858	7.0E-12	7.3342E-11	Klf3
ENSMUSG00000030067	7134.524	0.671	0.118	5.700	1.2E-08	9.4894E-08	Foxp1
ENSMUSG00000062995	410.832	0.671	0.267	2.515	1.2E-02	0.03647239	Ica1
ENSMUSG00000022507	2769.125	0.670	0.135	4.969	6.7E-07	4.3103E-06	1810013L24Rik
ENSMUSG00000027522	1364.288	0.670	0.140	4.777	1.8E-06	1.0852E-05	Stx16
ENSMUSG00000111394	397.112	0.670	0.211	3.176	1.5E-03	0.00573548	Gm49759
ENSMUSG00000015396	8733.886	0.669	0.188	3.552	3.8E-04	0.00164336	Cd83
ENSMUSG00000013973	102.750	0.669	0.277	2.418	1.6E-02	0.04622595	Dedd
ENSMUSG00000105586	418.505	0.669	0.280	2.388	1.7E-02	0.04969834	Gm43009
ENSMUSG00000050310	966.228	0.668	0.155	4.309	1.6E-05	8.8009E-05	Rictor
ENSMUSG00000041431	1231.327	0.668	0.152	4.408	1.0E-05	5.7488E-05	Ccnb1
ENSMUSG00000018559	4999.519	0.667	0.105	6.355	2.1E-10	1.9547E-09	Ctdnep1
ENSMUSG00000057649	1851.321	0.667	0.132	5.067	4.0E-07	2.6575E-06	Brd9
ENSMUSG00000030268	1060.331	0.667	0.176	3.797	1.5E-04	0.00067899	Bcat1
ENSMUSG00000028792	9650.695	0.666	0.088	7.529	5.1E-14	6.3586E-13	Ak2
ENSMUSG00000022816	10382.832	0.666	0.135	4.927	8.4E-07	5.3067E-06	Fst11
ENSMUSG00000042842	424.030	0.665	0.253	2.629	8.6E-03	0.02735455	Serpnb6b
ENSMUSG00000081021	128.073	0.664	0.218	3.052	2.3E-03	0.00839181	Gm11964
ENSMUSG00000017631	12820.061	0.664	0.102	6.532	6.5E-11	6.2944E-10	Abr
ENSMUSG00000023186	7259.447	0.664	0.148	4.493	7.0E-06	3.9813E-05	Vwa5a
ENSMUSG00000020212	606.210	0.663	0.222	2.987	2.8E-03	0.01020737	Mdm1
ENSMUSG00000061665	1881.643	0.663	0.120	5.502	3.7E-08	2.8144E-07	Cd2ap
ENSMUSG00000010406	5266.937	0.663	0.116	5.706	1.2E-08	9.178E-08	Mrp152
ENSMUSG00000026880	4906.697	0.662	0.130	5.077	3.8E-07	2.537E-06	Stom
ENSMUSG00000020869	19644.203	0.662	0.087	7.576	3.6E-14	4.4582E-13	Lrrc59
ENSMUSG00000004931	3294.699	0.661	0.125	5.284	1.3E-07	8.9219E-07	Apba3
ENSMUSG00000048164	1126.290	0.661	0.124	5.315	1.1E-07	7.5898E-07	Gm7204
ENSMUSG00000004631	268.471	0.661	0.249	2.659	7.8E-03	0.02528956	Sgce
ENSMUSG00000093826	91.608	0.660	0.232	2.840	4.5E-03	0.01556598	Gm6900
ENSMUSG00000042659	2988.956	0.660	0.123	5.373	7.7E-08	5.5981E-07	Arrdc4
ENSMUSG00000026315	2730.697	0.660	0.216	3.051	2.3E-03	0.00841363	Serpnb8
ENSMUSG00000002489	401.649	0.660	0.163	4.037	5.4E-05	0.0002686	Tiam1
ENSMUSG00000024969	4324.731	0.659	0.103	6.394	1.6E-10	1.5321E-09	Mark2
ENSMUSG00000027433	7602.909	0.659	0.097	6.766	1.3E-11	1.3623E-10	Xrn2
ENSMUSG00000024069	2096.080	0.659	0.113	5.809	6.3E-09	5.1094E-08	Slc30a6
ENSMUSG00000020610	2113.934	0.659	0.123	5.357	8.5E-08	6.09E-07	Amz2
ENSMUSG00000049550	3178.491	0.658	0.113	5.844	5.1E-09	4.1886E-08	Clip1

ENSMUSG00000018604	336.894	0.658	0.217	3.037	2.4E-03	0.0087892	Tbx3
ENSMUSG00000020132	3479.164	0.657	0.147	4.460	8.2E-06	4.6054E-05	Rab21
ENSMUSG00000006906	1743.967	0.657	0.151	4.351	1.4E-05	7.3618E-05	Stambp
ENSMUSG00000030232	2026.668	0.656	0.128	5.143	2.7E-07	1.8265E-06	Aebp2
ENSMUSG00000037020	386.387	0.656	0.225	2.918	3.5E-03	0.01244635	Wdr62
ENSMUSG00000083899	89.727	0.655	0.248	2.642	8.2E-03	0.02642573	Gm12346
ENSMUSG00000070953	1178.651	0.655	0.153	4.267	2.0E-05	0.00010503	Rabepk
ENSMUSG00000023919	505.565	0.654	0.191	3.431	6.0E-04	0.00248363	Cenpq
ENSMUSG00000030214	3304.480	0.653	0.148	4.419	9.9E-06	5.4999E-05	Plbd1
ENSMUSG00000085363	181.363	0.653	0.231	2.829	4.7E-03	0.01608434	Gm15478
ENSMUSG00000024943	1393.941	0.652	0.155	4.220	2.4E-05	0.00012726	Smc5
ENSMUSG00000022863	183.657	0.652	0.236	2.764	5.7E-03	0.0191578	Btg3
ENSMUSG00000029003	1771.808	0.651	0.119	5.466	4.6E-08	3.417E-07	Mad212
ENSMUSG00000084350	130.626	0.650	0.228	2.854	4.3E-03	0.01498186	Znf41-ps
ENSMUSG00000040859	1415.822	0.650	0.152	4.280	1.9E-05	9.9441E-05	Bsdc1
ENSMUSG00000022180	22427.423	0.649	0.105	6.177	6.5E-10	5.8395E-09	Slc7a8
ENSMUSG00000001665	210.438	0.649	0.218	2.972	3.0E-03	0.0106603	Gstt3
ENSMUSG00000000339	2645.621	0.649	0.119	5.452	5.0E-08	3.6875E-07	Rtca
ENSMUSG00000028538	497.769	0.648	0.205	3.170	1.5E-03	0.00583438	St3gal3
ENSMUSG00000027340	3313.594	0.648	0.143	4.524	6.1E-06	3.4648E-05	Slc23a2
ENSMUSG00000017765	4025.743	0.647	0.138	4.673	3.0E-06	1.7655E-05	Slc12a4
ENSMUSG00000052305	542.208	0.646	0.242	2.669	7.6E-03	0.02466084	Hbb-bs
ENSMUSG00000078249	464.166	0.646	0.179	3.601	3.2E-04	0.00138057	Hmgalb
ENSMUSG00000085208	1987.586	0.646	0.134	4.827	1.4E-06	8.5551E-06	Brip1os
ENSMUSG00000038217	308.284	0.646	0.233	2.773	5.5E-03	0.01870079	Tlcd2
ENSMUSG00000025001	600.842	0.645	0.169	3.818	1.3E-04	0.00062686	Hells
ENSMUSG00000028437	6460.864	0.645	0.100	6.476	9.4E-11	9.0608E-10	Ubap1
ENSMUSG00000027994	3267.675	0.645	0.086	7.522	5.4E-14	6.7181E-13	Mcub
ENSMUSG00000027828	17249.677	0.644	0.093	6.917	4.6E-12	4.9463E-11	Ssr3
ENSMUSG00000017421	12494.402	0.643	0.075	8.620	6.7E-18	1.0712E-16	Zfp207
ENSMUSG00000059182	16983.394	0.643	0.065	9.841	7.5E-23	1.5656E-21	Skap2
ENSMUSG00000026991	916.487	0.643	0.207	3.102	1.9E-03	0.00721047	Pkp4
ENSMUSG00000096173	96.990	0.643	0.251	2.561	1.0E-02	0.03245147	Gm3150
ENSMUSG00000080731	317.418	0.642	0.204	3.152	1.6E-03	0.00617488	Rps2-ps9
ENSMUSG00000055452	180.237	0.642	0.256	2.506	1.2E-02	0.03729146	Gm7353
ENSMUSG00000029385	3085.111	0.642	0.146	4.387	1.2E-05	6.311E-05	Ccng2
ENSMUSG00000061207	1851.749	0.641	0.117	5.501	3.8E-08	2.8387E-07	Stk19
ENSMUSG00000002814	2123.680	0.641	0.172	3.723	2.0E-04	0.00089047	Top3a
ENSMUSG00000034075	1699.962	0.641	0.152	4.220	2.4E-05	0.00012735	Zdhhc5
ENSMUSG00000049047	771.076	0.641	0.126	5.069	4.0E-07	2.6364E-06	Armex3
ENSMUSG00000000838	1535.003	0.640	0.139	4.608	4.1E-06	2.3832E-05	Fmr1
ENSMUSG00000036943	15188.661	0.638	0.116	5.488	4.1E-08	3.0315E-07	Rab8b
ENSMUSG00000024681	1426.419	0.637	0.175	3.647	2.7E-04	0.00117446	Ms4a3
ENSMUSG00000039308	3147.602	0.637	0.157	4.049	5.1E-05	0.00025611	Ndst2
ENSMUSG00000028530	15030.755	0.637	0.084	7.616	2.6E-14	3.2967E-13	Jak1
ENSMUSG00000001473	20370.915	0.636	0.099	6.449	1.1E-10	1.0766E-09	Tubb6
ENSMUSG00000054843	318.517	0.636	0.238	2.678	7.4E-03	0.0240487	Atrnl1
ENSMUSG00000092607	1482.032	0.636	0.132	4.819	1.4E-06	8.907E-06	Scnml
ENSMUSG00000029201	5640.532	0.636	0.101	6.299	3.0E-10	2.7769E-09	Ugdh
ENSMUSG00000026519	2437.496	0.636	0.101	6.298	3.0E-10	2.7838E-09	Tmem63a
ENSMUSG00000039316	8029.546	0.635	0.114	5.583	2.4E-08	1.8131E-07	Rftn1
ENSMUSG00000030528	246.692	0.635	0.254	2.501	1.2E-02	0.03773667	Blm

ENSMUSG00000056962	2987.266	0.635	0.085	7.440	1.0E-13	1.2244E-12	Jmjd6
ENSMUSG00000001089	2009.004	0.635	0.098	6.469	9.9E-11	9.4641E-10	Luzp1
ENSMUSG00000069919	540.225	0.635	0.198	3.205	1.4E-03	0.00522407	Hba-a1
ENSMUSG00000062846	110.105	0.635	0.225	2.818	4.8E-03	0.01656181	Gm14176
ENSMUSG00000004788	2956.994	0.634	0.122	5.202	2.0E-07	1.3533E-06	Eif2b2
ENSMUSG00000035722	1241.835	0.634	0.145	4.373	1.2E-05	6.7031E-05	Abca7
ENSMUSG00000042165	219.678	0.634	0.159	3.976	7.0E-05	0.00034109	Gm9774
ENSMUSG00000036752	8614.935	0.633	0.107	5.894	3.8E-09	3.1359E-08	Tubb4b
ENSMUSG00000029657	3132.613	0.633	0.128	4.941	7.8E-07	4.9596E-06	Hsph1
ENSMUSG00000032096	7499.212	0.632	0.081	7.853	4.1E-15	5.4141E-14	Arcn1
ENSMUSG00000004562	703.081	0.632	0.179	3.542	4.0E-04	0.00169928	Arhgef40
ENSMUSG00000022724	1874.653	0.632	0.087	7.263	3.8E-13	4.4327E-12	Riox2
ENSMUSG00000024085	1974.286	0.632	0.138	4.586	4.5E-06	2.6191E-05	Man2a1
ENSMUSG00000039737	1662.260	0.631	0.114	5.550	2.8E-08	2.1659E-07	Prkrip1
ENSMUSG00000042178	2356.596	0.630	0.114	5.519	3.4E-08	2.5698E-07	Armc5
ENSMUSG00000001870	3713.255	0.630	0.101	6.256	4.0E-10	3.6218E-09	Ltbp1
ENSMUSG00000040747	47654.865	0.630	0.080	7.840	4.5E-15	5.9458E-14	Cd53
ENSMUSG00000030452	3180.900	0.629	0.099	6.345	2.2E-10	2.0847E-09	Nipa2
ENSMUSG00000049323	1612.751	0.628	0.140	4.505	6.6E-06	3.7715E-05	Smcr8
ENSMUSG00000079418	531.518	0.628	0.170	3.705	2.1E-04	0.00095078	Atg4a
ENSMUSG00000020397	2071.068	0.628	0.108	5.795	6.8E-09	5.5371E-08	Med7
ENSMUSG00000053477	6155.784	0.628	0.124	5.064	4.1E-07	2.7041E-06	Tcf4
ENSMUSG00000047423	2369.465	0.626	0.148	4.220	2.4E-05	0.00012753	AI837181
ENSMUSG00000030220	27006.831	0.626	0.074	8.478	2.3E-17	3.5534E-16	Arhgdib
ENSMUSG00000029372	9012.018	0.626	0.211	2.961	3.1E-03	0.01100949	Ppbp
ENSMUSG00000026683	413.519	0.626	0.226	2.773	5.5E-03	0.01870079	Nuf2
ENSMUSG00000038463	1259.471	0.625	0.179	3.487	4.9E-04	0.00204941	Olfnl2b
ENSMUSG00000032312	11017.401	0.625	0.092	6.810	9.8E-12	1.0152E-10	Csk
ENSMUSG00000048701	2313.243	0.625	0.156	3.995	6.5E-05	0.00031708	Ccde6
ENSMUSG00000024982	4912.338	0.625	0.086	7.288	3.1E-13	3.705E-12	Zdhhc6
ENSMUSG00000030122	17697.254	0.625	0.113	5.519	3.4E-08	2.5666E-07	Ptms
ENSMUSG00000027782	6553.797	0.624	0.118	5.289	1.2E-07	8.704E-07	Kpna4
ENSMUSG00000049493	692.656	0.624	0.261	2.396	1.7E-02	0.04875083	Pls1
ENSMUSG00000007617	976.721	0.623	0.214	2.910	3.6E-03	0.01274122	Homer1
ENSMUSG00000039193	1561.209	0.623	0.127	4.906	9.3E-07	5.8728E-06	Nlrc4
ENSMUSG00000039703	4540.849	0.622	0.118	5.279	1.3E-07	9.1619E-07	Nploc4
ENSMUSG00000029708	1041.133	0.622	0.231	2.689	7.2E-03	0.02342015	Gcc1
ENSMUSG00000022033	807.091	0.622	0.162	3.842	1.2E-04	0.00057184	Pbk
ENSMUSG00000062169	5165.194	0.620	0.088	7.029	2.1E-12	2.2973E-11	Cnih4
ENSMUSG00000032231	71776.265	0.620	0.064	9.755	1.7E-22	3.588E-21	Anxa2
ENSMUSG00000020024	1420.337	0.620	0.158	3.924	8.7E-05	0.00041816	Cep83
ENSMUSG00000027940	24710.473	0.619	0.072	8.659	4.8E-18	7.7201E-17	Tpm3
ENSMUSG00000085611	284.474	0.618	0.239	2.584	9.8E-03	0.03063384	Ap3s1-ps1
ENSMUSG00000046516	1063.168	0.617	0.110	5.593	2.2E-08	1.7161E-07	Cox17
ENSMUSG00000059669	796.572	0.617	0.175	3.517	4.4E-04	0.00185315	Taf1b
ENSMUSG00000011958	8020.566	0.617	0.059	10.422	2.0E-25	4.5528E-24	Bnip2
ENSMUSG00000034792	2399.068	0.616	0.139	4.432	9.4E-06	5.2009E-05	Gna15
ENSMUSG00000058586	172.033	0.616	0.253	2.438	1.5E-02	0.04409226	Serhl
ENSMUSG00000029713	29985.559	0.616	0.052	11.838	2.5E-32	7.7069E-31	Gnb2
ENSMUSG00000035954	1192.473	0.616	0.181	3.394	6.9E-04	0.0028071	Dock4
ENSMUSG00000001228	1387.863	0.616	0.126	4.897	9.7E-07	6.1446E-06	Uhrfl
ENSMUSG00000039483	2918.381	0.616	0.085	7.259	3.9E-13	4.5451E-12	Asb6

ENSMUSG00000022090	1300.389	0.616	0.148	4.153	3.3E-05	0.00016785	Pdlim2
ENSMUSG00000029148	8026.456	0.615	0.094	6.533	6.5E-11	6.2907E-10	Nrbp1
ENSMUSG00000040712	3596.437	0.615	0.127	4.848	1.2E-06	7.7684E-06	Camta2
ENSMUSG00000021215	507.537	0.615	0.174	3.540	4.0E-04	0.00170979	Net1
ENSMUSG00000070605	150.534	0.615	0.251	2.449	1.4E-02	0.04287751	Zfp992
ENSMUSG00000024056	514.856	0.615	0.198	3.101	1.9E-03	0.00722932	Ndc80
ENSMUSG00000039637	5228.327	0.615	0.120	5.118	3.1E-07	2.0697E-06	Coro7
ENSMUSG00000024397	10329.767	0.614	0.121	5.076	3.9E-07	2.5521E-06	Aifl
ENSMUSG00000043131	10395.289	0.613	0.106	5.796	6.8E-09	5.507E-08	Mob1a
ENSMUSG00000054414	4342.992	0.613	0.090	6.786	1.2E-11	1.1894E-10	Slc30a7
ENSMUSG00000049686	6542.078	0.613	0.072	8.544	1.3E-17	2.0478E-16	Orai1
ENSMUSG00000047141	774.137	0.613	0.152	4.036	5.4E-05	0.00027018	Zfp654
ENSMUSG00000047909	1108.207	0.612	0.162	3.771	1.6E-04	0.00074757	Ankrd16
ENSMUSG00000035093	3670.610	0.611	0.122	4.995	5.9E-07	3.8089E-06	Secisbp21
ENSMUSG00000078502	173.755	0.611	0.231	2.647	8.1E-03	0.02607522	Zfp268
ENSMUSG00000047989	1685.422	0.611	0.137	4.472	7.8E-06	4.3744E-05	Ino80c
ENSMUSG00000057672	3827.339	0.610	0.101	6.026	1.7E-09	1.4496E-08	Pkn1
ENSMUSG00000061878	1591.564	0.610	0.156	3.911	9.2E-05	0.00043798	Sphk1
ENSMUSG00000038034	15489.976	0.609	0.095	6.399	1.6E-10	1.4863E-09	Igsf8
ENSMUSG00000041035	1349.649	0.609	0.125	4.888	1.0E-06	6.4142E-06	Gm17018
ENSMUSG00000020849	37288.891	0.607	0.072	8.424	3.6E-17	5.5272E-16	Ywhae
ENSMUSG00000001403	2390.564	0.606	0.140	4.333	1.5E-05	7.9313E-05	Ube2c
ENSMUSG00000019907	4886.512	0.605	0.086	7.053	1.8E-12	1.9425E-11	Ppp1r12a
ENSMUSG00000031781	4051.922	0.604	0.070	8.614	7.0E-18	1.1276E-16	Ciapi1
ENSMUSG00000008892	4566.324	0.604	0.055	11.076	1.6E-28	4.376E-27	Vdac3
ENSMUSG00000016495	3708.436	0.604	0.082	7.329	2.3E-13	2.7568E-12	Plgrkt
ENSMUSG00000021840	3653.973	0.604	0.101	5.983	2.2E-09	1.8721E-08	Mapk1ip11
ENSMUSG00000026708	619.611	0.603	0.149	4.062	4.9E-05	0.00024331	Cenpl
ENSMUSG00000042821	1190.550	0.603	0.160	3.773	1.6E-04	0.00074045	Snai1
ENSMUSG00000021764	4007.103	0.603	0.078	7.761	8.4E-15	1.0971E-13	Ndufs4
ENSMUSG00000080717	592.124	0.603	0.194	3.106	1.9E-03	0.00713177	B230307C23Rik
ENSMUSG00000030104	17700.693	0.601	0.089	6.793	1.1E-11	1.1317E-10	Edem1
ENSMUSG00000030659	1443.716	0.601	0.110	5.477	4.3E-08	3.2245E-07	Nucb2
ENSMUSG00000024590	1041.502	0.599	0.169	3.535	4.1E-04	0.00174045	Lmnb1
ENSMUSG00000029204	2437.788	0.598	0.175	3.411	6.5E-04	0.00265578	Rhoh
ENSMUSG00000019998	12869.205	0.598	0.074	8.091	5.9E-16	8.3639E-15	Stx7
ENSMUSG00000020876	1769.051	0.598	0.148	4.038	5.4E-05	0.00026789	Snx11
ENSMUSG00000022024	3855.635	0.598	0.112	5.353	8.7E-08	6.2401E-07	Sugt1
ENSMUSG00000005823	8718.795	0.598	0.094	6.349	2.2E-10	2.0312E-09	Gpr108
ENSMUSG00000008318	1093.306	0.597	0.157	3.805	1.4E-04	0.00065777	Relt
ENSMUSG00000018286	31163.055	0.596	0.086	6.968	3.2E-12	3.493E-11	Psmb6
ENSMUSG00000020717	950.718	0.596	0.188	3.164	1.6E-03	0.00595615	Pecam1
ENSMUSG00000046711	10220.219	0.596	0.124	4.801	1.6E-06	9.6945E-06	Hmga1
ENSMUSG00000081888	84.532	0.594	0.246	2.417	1.6E-02	0.04628791	Spes2-ps
ENSMUSG00000026849	5193.792	0.594	0.080	7.440	1.0E-13	1.2244E-12	Tor1a
ENSMUSG00000053012	4135.143	0.594	0.109	5.455	4.9E-08	3.6215E-07	Krcc1
ENSMUSG00000063146	361.113	0.593	0.210	2.823	4.8E-03	0.016338	Clip2
ENSMUSG00000001588	839.257	0.593	0.216	2.746	6.0E-03	0.02012263	Acap1
ENSMUSG00000019987	9864.654	0.591	0.228	2.590	9.6E-03	0.03010469	Arg1
ENSMUSG00000000730	588.677	0.589	0.231	2.551	1.1E-02	0.03328932	Dnmt31
ENSMUSG00000028191	6398.369	0.587	0.086	6.822	9.0E-12	9.3384E-11	Bcl10
ENSMUSG00000025235	891.737	0.587	0.170	3.458	5.4E-04	0.00226545	Bbs4

ENSMUSG00000027878	9170.042	0.587	0.118	4.969	6.7E-07	4.3111E-06	Notch2
ENSMUSG00000028879	6924.497	0.586	0.090	6.482	9.1E-11	8.7301E-10	Stx12
ENSMUSG00000015937	12793.506	0.585	0.061	9.522	1.7E-21	3.3347E-20	Macroh2a1
ENSMUSG00000063406	10234.854	0.584	0.072	8.095	5.7E-16	8.0655E-15	Tmed5
ENSMUSG00000034269	3033.595	0.583	0.081	7.215	5.4E-13	6.227E-12	Setd5
ENSMUSG00000028691	369673.783	0.582	0.116	5.007	5.5E-07	3.5785E-06	Prdx1
ENSMUSG00000022861	419.641	0.582	0.232	2.512	1.2E-02	0.03680632	Dgkg
ENSMUSG00000083283	371.480	0.581	0.149	3.906	9.4E-05	0.00044739	Gm15361
ENSMUSG00000020770	1156.934	0.580	0.155	3.741	1.8E-04	0.00083318	Unk
ENSMUSG00000008475	44689.588	0.580	0.068	8.553	1.2E-17	1.8956E-16	Arpc5
ENSMUSG00000040659	81212.259	0.580	0.100	5.815	6.1E-09	4.9675E-08	Efh2
ENSMUSG00000052812	1354.084	0.579	0.169	3.424	6.2E-04	0.00254566	Atad2b
ENSMUSG00000032525	2917.253	0.579	0.121	4.782	1.7E-06	1.0606E-05	Nktr
ENSMUSG00000029810	16705.795	0.579	0.145	3.988	6.7E-05	0.00032645	Tmem176b
ENSMUSG00000015291	5511.573	0.579	0.108	5.354	8.6E-08	6.1892E-07	Gdi1
ENSMUSG00000059142	517.436	0.578	0.174	3.314	9.2E-04	0.00366647	Zfp945
ENSMUSG00000029617	5730.379	0.578	0.087	6.663	2.7E-11	2.6869E-10	Ccz1
ENSMUSG00000041769	2375.620	0.577	0.145	3.973	7.1E-05	0.00034478	Ppp2r2d
ENSMUSG00000038780	1948.265	0.577	0.160	3.609	3.1E-04	0.00134111	Smurf1
ENSMUSG00000053038	175.618	0.576	0.229	2.510	1.2E-02	0.03693812	Gm6180
ENSMUSG00000016257	5817.188	0.576	0.065	8.889	6.1E-19	1.0513E-17	Preli3b
ENSMUSG00000048076	41537.559	0.576	0.058	9.851	6.8E-23	1.4216E-21	Arl1
ENSMUSG00000011179	4480.388	0.576	0.190	3.023	2.5E-03	0.00915192	Odc1
ENSMUSG00000040188	11830.257	0.576	0.110	5.249	1.5E-07	1.0691E-06	Scamp2
ENSMUSG00000036167	3057.999	0.576	0.106	5.445	5.2E-08	3.8264E-07	Pphln1
ENSMUSG00000034595	13345.271	0.576	0.080	7.222	5.1E-13	5.9034E-12	Ppp1r18
ENSMUSG00000006058	5575.556	0.575	0.069	8.325	8.4E-17	1.2593E-15	Snf8
ENSMUSG00000006362	522.938	0.575	0.187	3.068	2.2E-03	0.00799672	Cbfa2t3
ENSMUSG00000039048	1495.234	0.575	0.167	3.439	5.8E-04	0.00241967	Foxred1
ENSMUSG00000022010	6085.172	0.574	0.207	2.772	5.6E-03	0.01874119	Tsc22d1
ENSMUSG00000026357	1826.343	0.574	0.205	2.799	5.1E-03	0.01745239	Rgs18
ENSMUSG00000027199	3011.448	0.573	0.240	2.389	1.7E-02	0.04959986	Gatm
ENSMUSG00000026111	4820.335	0.572	0.087	6.563	5.3E-11	5.1539E-10	Unc50
ENSMUSG00000025078	2010.688	0.572	0.139	4.121	3.8E-05	0.0001911	Nhlrc2
ENSMUSG00000005413	231317.753	0.571	0.132	4.343	1.4E-05	7.6119E-05	Hmxo1
ENSMUSG00000054555	360.104	0.571	0.221	2.580	9.9E-03	0.03092817	Adam12
ENSMUSG00000005410	2245.304	0.571	0.114	5.019	5.2E-07	3.3863E-06	Mcm5
ENSMUSG00000029634	4210.667	0.570	0.111	5.135	2.8E-07	1.9034E-06	Rnf6
ENSMUSG00000015804	8716.867	0.570	0.063	9.076	1.1E-19	1.9907E-18	Med28
ENSMUSG00000069769	454.249	0.570	0.217	2.629	8.6E-03	0.02735455	Msi2
ENSMUSG00000031246	15800.236	0.570	0.093	6.126	9.0E-10	7.9558E-09	Sh3bgrl
ENSMUSG00000002835	457.064	0.569	0.201	2.834	4.6E-03	0.01584541	Chaf1a
ENSMUSG00000048796	812.621	0.568	0.176	3.223	1.3E-03	0.00493024	Cyb561d1
ENSMUSG00000026723	313.063	0.568	0.182	3.117	1.8E-03	0.00687655	Trdmt1
ENSMUSG00000042404	2531.144	0.568	0.169	3.365	7.6E-04	0.0030982	Dennd4b
ENSMUSG00000039164	814.837	0.568	0.191	2.967	3.0E-03	0.01082635	Naif1
ENSMUSG00000028958	1240.625	0.568	0.153	3.722	2.0E-04	0.00089506	Tmub1
ENSMUSG00000020027	1107.552	0.568	0.150	3.793	1.5E-04	0.00068974	Socs2
ENSMUSG00000060090	2882.739	0.567	0.090	6.291	3.2E-10	2.9149E-09	Rp2
ENSMUSG00000031540	730.107	0.567	0.163	3.479	5.0E-04	0.00210499	Kat6a
ENSMUSG00000036931	2214.290	0.567	0.135	4.204	2.6E-05	0.00013588	Nfkbid
ENSMUSG00000024561	2646.168	0.566	0.109	5.188	2.1E-07	1.4555E-06	Mbd1

ENSMUSG00000018171	22384.629	0.566	0.075	7.574	3.6E-14	4.5184E-13	Vmp1
ENSMUSG00000063229	98468.592	0.566	0.068	8.313	9.3E-17	1.3901E-15	Ldha
ENSMUSG00000026180	571.742	0.566	0.198	2.852	4.3E-03	0.0150389	Cxcr2
ENSMUSG00000022844	858.589	0.565	0.214	2.635	8.4E-03	0.02693739	Pdia5
ENSMUSG00000028059	8261.786	0.565	0.096	5.915	3.3E-09	2.7754E-08	Arhgef2
ENSMUSG00000030816	3179.530	0.565	0.120	4.723	2.3E-06	1.4037E-05	Rnf40
ENSMUSG00000073421	22895.443	0.565	0.142	3.979	6.9E-05	0.00033774	H2-Ab1
ENSMUSG00000047248	726.647	0.564	0.173	3.268	1.1E-03	0.00427385	C2cd3
ENSMUSG00000031266	9479.141	0.564	0.140	4.020	5.8E-05	0.00028719	Gla
ENSMUSG00000074797	1574.377	0.564	0.109	5.157	2.5E-07	1.7029E-06	Itpa
ENSMUSG00000023330	1003.217	0.564	0.142	3.975	7.0E-05	0.00034242	Dtwd1
ENSMUSG00000021772	474.998	0.563	0.196	2.879	4.0E-03	0.0139155	Nkiras1
ENSMUSG00000020484	21076.025	0.563	0.050	11.227	3.0E-29	8.1858E-28	Xbp1
ENSMUSG00000003131	7111.822	0.563	0.090	6.231	4.6E-10	4.2068E-09	Pafah1b2
ENSMUSG00000024668	3064.643	0.563	0.110	5.122	3.0E-07	2.0282E-06	Sdhaf2
ENSMUSG00000024260	1337.911	0.561	0.136	4.137	3.5E-05	0.00017884	Sap130
ENSMUSG00000022221	2540.615	0.561	0.135	4.172	3.0E-05	0.00015484	Ripk3
ENSMUSG00000073910	905.302	0.561	0.172	3.263	1.1E-03	0.00434003	Mob3b
ENSMUSG00000074476	1025.955	0.560	0.147	3.803	1.4E-04	0.0006634	Spc24
ENSMUSG00000054302	2850.089	0.560	0.111	5.060	4.2E-07	2.7569E-06	Eapp
ENSMUSG00000022639	1521.031	0.560	0.134	4.188	2.8E-05	0.00014544	Dubr
ENSMUSG00000004460	9865.741	0.559	0.057	9.790	1.2E-22	2.5764E-21	Dnajb11
ENSMUSG00000046909	617.150	0.559	0.167	3.355	7.9E-04	0.00320366	Tefm
ENSMUSG00000026470	5642.452	0.559	0.075	7.441	1.0E-13	1.2162E-12	Stx6
ENSMUSG00000026775	6156.161	0.559	0.063	8.919	4.7E-19	8.0636E-18	Yme111
ENSMUSG00000028419	7587.579	0.558	0.084	6.679	2.4E-11	2.429E-10	Chmp5
ENSMUSG00000027566	41936.424	0.557	0.090	6.212	5.2E-10	4.716E-09	Psma7
ENSMUSG00000063019	3373.569	0.557	0.113	4.929	8.2E-07	5.2377E-06	Manbal
ENSMUSG00000047694	2396.758	0.557	0.115	4.845	1.3E-06	7.8695E-06	Yipf6
ENSMUSG00000022329	1423.735	0.556	0.162	3.432	6.0E-04	0.00247404	Stk3
ENSMUSG00000040663	1393.071	0.556	0.150	3.700	2.2E-04	0.00096781	Clefl
ENSMUSG00000029782	1886.828	0.556	0.114	4.863	1.2E-06	7.2212E-06	Tmem209
ENSMUSG00000058317	441.310	0.556	0.176	3.165	1.6E-03	0.00594176	Ube2e2
ENSMUSG00000030346	375.337	0.556	0.211	2.628	8.6E-03	0.02743169	Rad51ap1
ENSMUSG00000003458	10926.880	0.555	0.081	6.854	7.2E-12	7.5584E-11	Ncstn
ENSMUSG00000024163	1148.616	0.555	0.165	3.358	7.8E-04	0.00317101	Mapk8ip3
ENSMUSG00000028837	17462.862	0.555	0.053	10.408	2.3E-25	5.2554E-24	Psmb2
ENSMUSG00000028668	5680.636	0.555	0.100	5.554	2.8E-08	2.1279E-07	Eloa
ENSMUSG00000038212	7213.411	0.555	0.091	6.064	1.3E-09	1.1528E-08	Mfsd14b
ENSMUSG00000037966	63935.018	0.554	0.088	6.302	2.9E-10	2.7243E-09	Ninj1
ENSMUSG00000049878	1237.553	0.554	0.143	3.878	1.1E-04	0.00049779	Rlf
ENSMUSG00000046722	13800.931	0.554	0.084	6.588	4.5E-11	4.3965E-10	Cdc42se1
ENSMUSG00000020108	813.710	0.553	0.200	2.765	5.7E-03	0.0191221	Ddit4
ENSMUSG00000050188	1707.000	0.553	0.125	4.418	9.9E-06	5.5063E-05	Lsm10
ENSMUSG00000069237	755.758	0.553	0.170	3.253	1.1E-03	0.00449557	Fam8a1
ENSMUSG00000046519	1412.125	0.552	0.165	3.349	8.1E-04	0.00327078	Golph31
ENSMUSG00000037552	1415.139	0.552	0.165	3.334	8.5E-04	0.00343055	Plekhg2
ENSMUSG00000029017	2809.056	0.551	0.098	5.636	1.7E-08	1.3555E-07	Pmpcb
ENSMUSG00000052435	2848.018	0.551	0.191	2.880	4.0E-03	0.01386386	Cebpe
ENSMUSG00000027593	1355.030	0.551	0.149	3.700	2.2E-04	0.00096781	Raly
ENSMUSG00000028923	14411.504	0.551	0.098	5.633	1.8E-08	1.3795E-07	Necap2
ENSMUSG00000006736	4668.679	0.551	0.079	6.965	3.3E-12	3.5598E-11	Tspan31

ENSMUSG00000022849	644.596	0.551	0.146	3.767	1.7E-04	0.0007585	Hspbp1
ENSMUSG00000017679	1367.295	0.550	0.136	4.036	5.4E-05	0.00026928	Ttpal
ENSMUSG00000032561	1273.154	0.550	0.212	2.596	9.4E-03	0.02966115	Acpp
ENSMUSG00000029068	7543.447	0.550	0.090	6.125	9.0E-10	7.9983E-09	Ccn12
ENSMUSG00000028032	1983.199	0.550	0.104	5.291	1.2E-07	8.6077E-07	Papss1
ENSMUSG00000027552	1180.116	0.549	0.157	3.498	4.7E-04	0.00197481	E2f5
ENSMUSG00000023277	7328.716	0.549	0.057	9.591	8.7E-22	1.7295E-20	Twf2
ENSMUSG00000041187	1084.615	0.549	0.157	3.491	4.8E-04	0.00202375	Prkd2
ENSMUSG00000020069	847.005	0.549	0.138	3.978	7.0E-05	0.00033873	Hnrnp3
ENSMUSG00000028228	6682.158	0.547	0.109	5.018	5.2E-07	3.39E-06	Cpne3
ENSMUSG00000111361	200.970	0.547	0.181	3.022	2.5E-03	0.00919964	Gm47445
ENSMUSG00000020495	3588.299	0.547	0.105	5.213	1.9E-07	1.2833E-06	Smg8
ENSMUSG00000025162	9117.560	0.547	0.105	5.203	2.0E-07	1.3465E-06	Csnk1d
ENSMUSG00000024845	5193.010	0.547	0.092	5.945	2.8E-09	2.3321E-08	Tmem134
ENSMUSG00000011256	424.504	0.546	0.207	2.638	8.3E-03	0.02668431	Adam19
ENSMUSG00000056515	16402.080	0.546	0.126	4.342	1.4E-05	7.6536E-05	Rab31
ENSMUSG00000117145	138.956	0.546	0.202	2.699	6.9E-03	0.02278612	Gm4356
ENSMUSG00000066800	2459.444	0.545	0.205	2.663	7.8E-03	0.02502943	Rnasel
ENSMUSG00000084288	180.089	0.545	0.183	2.985	2.8E-03	0.0102727	Mif-ps8
ENSMUSG00000032328	13799.834	0.545	0.110	4.960	7.1E-07	4.5175E-06	Tmem30a
ENSMUSG00000031585	2622.468	0.545	0.117	4.641	3.5E-06	2.0459E-05	Gtf2e2
ENSMUSG00000053819	8469.023	0.545	0.087	6.289	3.2E-10	2.9466E-09	Camk2d
ENSMUSG00000037197	5518.773	0.544	0.078	6.929	4.3E-12	4.5727E-11	Rbm17
ENSMUSG00000028381	2911.173	0.543	0.137	3.972	7.1E-05	0.00034719	Ugcg
ENSMUSG00000029513	3122.213	0.543	0.110	4.956	7.2E-07	4.5981E-06	Prkab1
ENSMUSG00000026248	1953.197	0.543	0.082	6.653	2.9E-11	2.8806E-10	Mrpl44
ENSMUSG00000078908	1182.630	0.543	0.165	3.290	1.0E-03	0.00396867	Mon1b
ENSMUSG00000000157	2103.447	0.542	0.221	2.458	1.4E-02	0.04199796	Itgb21
ENSMUSG00000062526	1159.086	0.542	0.136	3.984	6.8E-05	0.00033064	Mppel
ENSMUSG00000054717	2847.179	0.542	0.144	3.759	1.7E-04	0.00078049	Hmgb2
ENSMUSG00000000600	3088.356	0.541	0.095	5.676	1.4E-08	1.0808E-07	Krit1
ENSMUSG00000036810	1780.066	0.541	0.129	4.181	2.9E-05	0.00014962	Cnep1r1
ENSMUSG00000019820	1841.412	0.541	0.149	3.625	2.9E-04	0.00127229	Utrn
ENSMUSG00000041025	607.387	0.540	0.135	3.998	6.4E-05	0.00031365	Iffo2
ENSMUSG00000054792	945.898	0.540	0.214	2.527	1.1E-02	0.03539172	Klh118
ENSMUSG00000041203	4666.367	0.540	0.074	7.294	3.0E-13	3.5455E-12	Trir
ENSMUSG00000039166	391.864	0.539	0.201	2.682	7.3E-03	0.02385036	Akap7
ENSMUSG00000024826	5459.588	0.539	0.081	6.678	2.4E-11	2.4432E-10	Dpf2
ENSMUSG00000024856	4645.513	0.539	0.105	5.110	3.2E-07	2.149E-06	Cdk2ap2
ENSMUSG00000018381	653.511	0.538	0.163	3.295	9.8E-04	0.00391087	Abi3
ENSMUSG00000050628	1614.725	0.538	0.097	5.539	3.0E-08	2.3035E-07	Ubal2
ENSMUSG00000056394	1206.138	0.538	0.162	3.330	8.7E-04	0.00348324	Lig1
ENSMUSG00000025981	1531.352	0.538	0.138	3.899	9.7E-05	0.00045947	Coq10b
ENSMUSG00000055371	4174.108	0.538	0.084	6.376	1.8E-10	1.7116E-09	Stam2
ENSMUSG00000000131	4359.939	0.538	0.117	4.607	4.1E-06	2.3934E-05	Xpo6
ENSMUSG00000032519	781.554	0.537	0.209	2.573	1.0E-02	0.03147512	Slc25a38
ENSMUSG00000020196	3279.705	0.537	0.123	4.353	1.3E-05	7.3139E-05	Cabin1
ENSMUSG00000040990	8087.542	0.536	0.090	5.974	2.3E-09	1.9664E-08	Sh3kbp1
ENSMUSG00000033352	6451.927	0.536	0.130	4.116	3.9E-05	0.00019523	Map2k4
ENSMUSG00000031681	1379.405	0.536	0.144	3.721	2.0E-04	0.0008958	Smad1
ENSMUSG00000001098	3156.662	0.536	0.095	5.636	1.7E-08	1.3557E-07	Kctd10
ENSMUSG00000027349	540.938	0.536	0.218	2.455	1.4E-02	0.04235143	Fam98b

ENSMUSG00000027712	68510.764	0.536	0.059	9.078	1.1E-19	1.9546E-18	Anxa5
ENSMUSG00000021891	2196.408	0.535	0.069	7.724	1.1E-14	1.4492E-13	Mettl6
ENSMUSG00000040225	5757.798	0.534	0.096	5.550	2.9E-08	2.1674E-07	Prrc2c
ENSMUSG00000028854	1059.161	0.534	0.149	3.586	3.4E-04	0.00145874	Slc9a1
ENSMUSG00000060992	10674.472	0.533	0.077	6.890	5.6E-12	5.9208E-11	Copz1
ENSMUSG00000027007	3455.978	0.532	0.122	4.345	1.4E-05	7.5504E-05	Itprid2
ENSMUSG00000058835	7416.366	0.531	0.080	6.676	2.5E-11	2.4736E-10	Abi1
ENSMUSG00000028779	3569.362	0.531	0.102	5.192	2.1E-07	1.4254E-06	Pefl
ENSMUSG00000026766	4295.111	0.531	0.080	6.638	3.2E-11	3.1668E-10	Mmadhc
ENSMUSG00000024414	1853.363	0.530	0.132	4.018	5.9E-05	0.00028992	Mrpl27
ENSMUSG00000024965	46112.890	0.530	0.076	6.991	2.7E-12	2.9834E-11	Fermt3
ENSMUSG00000030058	4965.690	0.530	0.107	4.936	8.0E-07	5.0683E-06	Copg1
ENSMUSG00000024387	8086.177	0.530	0.072	7.407	1.3E-13	1.5623E-12	Csnk2b
ENSMUSG00000036908	55686.526	0.529	0.091	5.836	5.3E-09	4.3816E-08	Unc93b1
ENSMUSG00000031770	4178.262	0.529	0.122	4.325	1.5E-05	8.2165E-05	Herpud1
ENSMUSG00000028411	1586.444	0.528	0.161	3.288	1.0E-03	0.003999	Aptx
ENSMUSG00000026254	7251.478	0.528	0.065	8.083	6.3E-16	8.885E-15	Eif4e2
ENSMUSG00000031078	5217.852	0.527	0.096	5.507	3.7E-08	2.7468E-07	Cttt
ENSMUSG00000041959	8763.783	0.527	0.112	4.704	2.6E-06	1.5317E-05	S100a10
ENSMUSG00000022139	11862.582	0.527	0.079	6.638	3.2E-11	3.1746E-10	Mbnl2
ENSMUSG00000055670	1008.045	0.527	0.142	3.719	2.0E-04	0.00090458	Zzef1
ENSMUSG00000026270	722.146	0.527	0.215	2.452	1.4E-02	0.04262844	Capn10
ENSMUSG00000031072	1840.959	0.527	0.119	4.424	9.7E-06	5.3845E-05	LTO1
ENSMUSG00000032316	3339.661	0.527	0.091	5.802	6.6E-09	5.3262E-08	Clk3
ENSMUSG00000024970	755.617	0.526	0.151	3.474	5.1E-04	0.00214189	Spindoc
ENSMUSG00000039067	11193.352	0.525	0.060	8.785	1.6E-18	2.6205E-17	Psmc7
ENSMUSG00000040928	395.975	0.525	0.167	3.136	1.7E-03	0.00648534	S100pbp
ENSMUSG00000019826	962.755	0.525	0.143	3.662	2.5E-04	0.0011114	Zbtb24
ENSMUSG00000028932	7701.047	0.525	0.072	7.257	4.0E-13	4.6247E-12	Psmc2
ENSMUSG00000031916	3717.747	0.525	0.103	5.103	3.3E-07	2.2332E-06	Cog8
ENSMUSG00000031422	8842.346	0.524	0.071	7.338	2.2E-13	2.5992E-12	Morf4l2
ENSMUSG00000059336	811.253	0.524	0.183	2.861	4.2E-03	0.01465791	Slc14a1
ENSMUSG00000020573	3301.259	0.524	0.180	2.912	3.6E-03	0.01267233	Pik3cg
ENSMUSG00000031948	9560.786	0.524	0.087	6.007	1.9E-09	1.6271E-08	Kars
ENSMUSG00000028343	5693.806	0.522	0.069	7.593	3.1E-14	3.9272E-13	Erp44
ENSMUSG00000029471	4278.989	0.522	0.110	4.757	2.0E-06	1.1942E-05	Camkk2
ENSMUSG00000040263	1677.417	0.522	0.127	4.098	4.2E-05	0.00021037	Klhdc4
ENSMUSG00000022425	388.326	0.522	0.208	2.506	1.2E-02	0.03732234	Enpp2
ENSMUSG00000001175	100197.180	0.522	0.045	11.642	2.5E-31	7.4777E-30	Calm1
ENSMUSG00000022614	4641.578	0.522	0.117	4.472	7.7E-06	4.3632E-05	Lmf2
ENSMUSG00000029345	1713.191	0.521	0.147	3.545	3.9E-04	0.00167912	Tfip11
ENSMUSG00000059273	893.143	0.521	0.132	3.938	8.2E-05	0.00039549	Zc3h4
ENSMUSG00000020422	4571.593	0.519	0.108	4.791	1.7E-06	1.0197E-05	Tns3
ENSMUSG00000019986	407.163	0.518	0.211	2.459	1.4E-02	0.04183565	Ahi1
ENSMUSG00000020653	581.072	0.517	0.181	2.856	4.3E-03	0.01489584	Klf11
ENSMUSG00000025860	3118.134	0.517	0.123	4.189	2.8E-05	0.00014466	Xiap
ENSMUSG00000026923	4312.536	0.517	0.144	3.585	3.4E-04	0.00146058	Notch1
ENSMUSG00000030281	510.648	0.516	0.215	2.402	1.6E-02	0.04803896	Il17rc
ENSMUSG00000058298	688.563	0.516	0.209	2.476	1.3E-02	0.04022522	Mcm9
ENSMUSG00000081485	648.117	0.516	0.197	2.621	8.8E-03	0.02788893	Gm12338
ENSMUSG00000027079	1555.959	0.516	0.127	4.052	5.1E-05	0.00025397	Clp1
ENSMUSG00000005103	47106.944	0.516	0.048	10.834	2.4E-27	6.0021E-26	Wdr1

ENSMUSG00000068566	8817.249	0.515	0.104	4.927	8.3E-07	5.2925E-06	Myadm
ENSMUSG00000025971	480.120	0.515	0.197	2.617	8.9E-03	0.02821352	Maip1
ENSMUSG000000041781	2752.777	0.514	0.149	3.452	5.6E-04	0.002311	Cpsf2
ENSMUSG000000042508	1727.344	0.514	0.117	4.376	1.2E-05	6.6062E-05	Dmtf1
ENSMUSG000000023367	13375.562	0.514	0.133	3.855	1.2E-04	0.00054379	Tmem176a
ENSMUSG000000024487	4272.416	0.513	0.072	7.077	1.5E-12	1.643E-11	Yipf5
ENSMUSG000000038151	1459.396	0.512	0.183	2.794	5.2E-03	0.01771835	Prdm1
ENSMUSG000000016833	814.905	0.512	0.174	2.942	3.3E-03	0.0116365	Mrps18c
ENSMUSG000000022313	708.724	0.512	0.115	4.437	9.1E-06	5.0819E-05	Utp23
ENSMUSG000000033434	745.524	0.511	0.133	3.845	1.2E-04	0.00056378	Gtpbp6
ENSMUSG000000041515	31201.782	0.510	0.143	3.564	3.7E-04	0.00157332	Irf8
ENSMUSG000000028364	6966.502	0.509	0.168	3.036	2.4E-03	0.00881259	Tnc
ENSMUSG000000039377	7613.676	0.509	0.092	5.521	3.4E-08	2.5398E-07	Hlx
ENSMUSG000000039910	14951.483	0.509	0.110	4.624	3.8E-06	2.2179E-05	Cited2
ENSMUSG000000029344	13311.391	0.509	0.083	6.123	9.2E-10	8.0974E-09	Tpst2
ENSMUSG000000039844	1849.842	0.509	0.134	3.792	1.5E-04	0.00068987	Rapgef1
ENSMUSG000000026767	2001.838	0.509	0.117	4.349	1.4E-05	7.4107E-05	Mindy3
ENSMUSG000000015880	575.254	0.508	0.208	2.440	1.5E-02	0.04388257	Ncapg
ENSMUSG000000060601	9795.905	0.508	0.093	5.492	4.0E-08	2.9726E-07	Nr1h2
ENSMUSG000000063354	1291.298	0.508	0.177	2.878	4.0E-03	0.01394013	Slc39a4
ENSMUSG000000040054	1685.295	0.508	0.142	3.572	3.5E-04	0.00153173	Baz2a
ENSMUSG000000038615	4030.280	0.508	0.100	5.083	3.7E-07	2.4716E-06	Nfe211
ENSMUSG000000047123	1658.286	0.507	0.154	3.291	1.0E-03	0.00396049	Ticam1
ENSMUSG000000036275	12279.771	0.507	0.094	5.411	6.3E-08	4.5844E-07	9530068E07Rik
ENSMUSG000000027080	1456.933	0.507	0.140	3.622	2.9E-04	0.00128276	Med19
ENSMUSG000000037636	707.513	0.507	0.175	2.890	3.8E-03	0.01347541	Slc25a43
ENSMUSG000000019338	1507.662	0.507	0.145	3.495	4.7E-04	0.0019958	Zfp687
ENSMUSG000000054611	2974.949	0.506	0.093	5.473	4.4E-08	3.3E-07	Kdm2a
ENSMUSG000000028420	2473.631	0.506	0.099	5.140	2.7E-07	1.8564E-06	Tmem38b
ENSMUSG000000047866	3547.443	0.505	0.117	4.309	1.6E-05	8.8031E-05	Lonp2
ENSMUSG000000015335	2428.120	0.505	0.106	4.750	2.0E-06	1.2328E-05	Zdhhc12
ENSMUSG000000002679	1220.722	0.504	0.096	5.276	1.3E-07	9.2889E-07	Med6
ENSMUSG000000028789	520.137	0.504	0.166	3.039	2.4E-03	0.00873492	Azin2
ENSMUSG000000028771	1810.739	0.504	0.128	3.941	8.1E-05	0.00039145	Ptpn12
ENSMUSG0000000112926	329.169	0.504	0.187	2.696	7.0E-03	0.02297177	Gm7172
ENSMUSG000000084368	133.046	0.504	0.211	2.388	1.7E-02	0.04967524	Gm11572
ENSMUSG000000026662	2302.836	0.504	0.096	5.241	1.6E-07	1.1155E-06	Sephs1
ENSMUSG000000024360	6414.112	0.503	0.074	6.775	1.2E-11	1.2832E-10	Etf1
ENSMUSG000000022663	7369.772	0.503	0.077	6.538	6.2E-11	6.0897E-10	Atg3
ENSMUSG000000040268	2842.074	0.503	0.091	5.520	3.4E-08	2.5561E-07	Plekha1
ENSMUSG000000028619	1346.388	0.503	0.165	3.049	2.3E-03	0.00848066	Tceanc2
ENSMUSG000000043067	895.437	0.501	0.165	3.036	2.4E-03	0.00880015	Dpy1911
ENSMUSG000000084957	2502.300	0.501	0.078	6.409	1.5E-10	1.3889E-09	Bbip1
ENSMUSG000000013584	1504.039	0.501	0.150	3.338	8.4E-04	0.00339294	Aldh1a2
ENSMUSG000000056579	5676.033	0.501	0.107	4.699	2.6E-06	1.5647E-05	Tug1
ENSMUSG000000001424	6490.239	0.501	0.088	5.663	1.5E-08	1.1646E-07	Snd1
ENSMUSG000000031093	1420.798	0.500	0.150	3.341	8.4E-04	0.00336557	Dock11
ENSMUSG000000054263	831.362	0.500	0.200	2.499	1.2E-02	0.03794965	Lifr
ENSMUSG000000097352	774.431	0.499	0.182	2.742	6.1E-03	0.02034991	C920009B18Rik
ENSMUSG000000037958	1897.604	0.499	0.117	4.261	2.0E-05	0.00010748	Nsrp1
ENSMUSG000000020346	8379.117	0.499	0.107	4.683	2.8E-06	1.6894E-05	Mgat1
ENSMUSG000000024830	1241.106	0.499	0.119	4.188	2.8E-05	0.00014543	Rps6kb2

ENSMUSG00000026158	3922.104	0.499	0.173	2.885	3.9E-03	0.013682	Ogfr1l
ENSMUSG00000002668	3868.060	0.499	0.105	4.741	2.1E-06	1.287E-05	Dennd1c
ENSMUSG00000044783	2010.453	0.499	0.109	4.576	4.7E-06	2.7456E-05	Hjurp
ENSMUSG00000109812	1627.178	0.498	0.133	3.738	1.9E-04	0.00084329	Gm45640
ENSMUSG00000017677	9539.122	0.498	0.070	7.067	1.6E-12	1.7587E-11	Wsb1
ENSMUSG00000020530	5713.363	0.496	0.086	5.754	8.7E-09	6.9823E-08	Ggnbp2
ENSMUSG00000026970	24991.388	0.495	0.095	5.183	2.2E-07	1.4894E-06	Rbms1
ENSMUSG00000003032	571.095	0.494	0.207	2.389	1.7E-02	0.04961409	Klf4
ENSMUSG00000001158	3837.833	0.494	0.093	5.335	9.6E-08	6.8402E-07	Snrnp27
ENSMUSG00000038957	2050.105	0.494	0.093	5.327	1.0E-07	7.1211E-07	Edc3
ENSMUSG00000027573	2253.862	0.492	0.107	4.599	4.3E-06	2.4824E-05	Gid8
ENSMUSG00000053286	2710.712	0.492	0.126	3.892	9.9E-05	0.00047049	Trmt1l
ENSMUSG00000049516	1966.935	0.491	0.120	4.106	4.0E-05	0.00020332	Spty2d1
ENSMUSG00000020288	556.187	0.491	0.124	3.973	7.1E-05	0.000345	Ahsa2
ENSMUSG00000004451	12122.296	0.491	0.066	7.402	1.3E-13	1.6211E-12	Ralb
ENSMUSG00000109901	1465.759	0.490	0.129	3.794	1.5E-04	0.00068539	Chmp1b
ENSMUSG00000028822	24050.006	0.490	0.087	5.637	1.7E-08	1.3491E-07	Tmem50a
ENSMUSG00000005621	1408.749	0.490	0.148	3.321	9.0E-04	0.00358589	Zfp592
ENSMUSG00000035495	1397.849	0.490	0.150	3.271	1.1E-03	0.00423252	Tstd2
ENSMUSG00000038806	2727.414	0.490	0.103	4.743	2.1E-06	1.2771E-05	Sde2
ENSMUSG00000033467	10542.126	0.490	0.095	5.149	2.6E-07	1.774E-06	Crlf2
ENSMUSG00000024538	1788.620	0.489	0.117	4.170	3.0E-05	0.00015603	Ppic
ENSMUSG00000028465	10850.092	0.489	0.101	4.867	1.1E-06	7.074E-06	Tln1
ENSMUSG00000002105	3759.882	0.488	0.114	4.272	1.9E-05	0.00010262	Slc39a13
ENSMUSG00000113902	7087.927	0.488	0.120	4.082	4.5E-05	0.00022475	Ndufb1
ENSMUSG00000017707	8660.637	0.488	0.104	4.693	2.7E-06	1.6085E-05	Serinc3
ENSMUSG00000032376	2285.931	0.488	0.125	3.915	9.0E-05	0.00043134	Usp3
ENSMUSG00000026872	10807.096	0.487	0.073	6.650	2.9E-11	2.9331E-10	Zeb2
ENSMUSG00000063727	3107.624	0.487	0.161	3.027	2.5E-03	0.00905489	Tnfrsf11b
ENSMUSG00000026922	4458.256	0.486	0.064	7.639	2.2E-14	2.7715E-13	Agpat2
ENSMUSG00000021585	4368.802	0.485	0.120	4.038	5.4E-05	0.00026783	Cast
ENSMUSG00000030397	2109.614	0.484	0.103	4.722	2.3E-06	1.4057E-05	Mark4
ENSMUSG00000005057	2824.710	0.484	0.119	4.079	4.5E-05	0.00022733	Sh2b2
ENSMUSG00000020149	13259.070	0.484	0.062	7.824	5.1E-15	6.756E-14	Rab1a
ENSMUSG00000025873	2848.169	0.484	0.123	3.921	8.8E-05	0.00042226	Faf2
ENSMUSG00000078771	8966.495	0.483	0.136	3.562	3.7E-04	0.00158259	Evi2a
ENSMUSG00000024659	50153.485	0.483	0.093	5.192	2.1E-07	1.4257E-06	Anxa1
ENSMUSG00000037095	3735.344	0.482	0.167	2.892	3.8E-03	0.01340537	Lrg1
ENSMUSG00000026171	1083.015	0.482	0.155	3.103	1.9E-03	0.00718508	Rnf25
ENSMUSG00000049562	3739.272	0.481	0.137	3.502	4.6E-04	0.00195094	Ap5b1
ENSMUSG00000001911	1090.833	0.481	0.131	3.661	2.5E-04	0.00111543	Nfix
ENSMUSG00000032035	2051.277	0.481	0.131	3.663	2.5E-04	0.0011092	Ets1
ENSMUSG00000026289	2260.875	0.480	0.146	3.296	9.8E-04	0.00389025	Atg16l1
ENSMUSG00000033294	3233.835	0.479	0.082	5.869	4.4E-09	3.6513E-08	Noc4l
ENSMUSG00000097603	200.806	0.479	0.170	2.825	4.7E-03	0.01626105	A430010J10Rik
ENSMUSG00000018736	8976.785	0.479	0.070	6.874	6.3E-12	6.5977E-11	Ndel1
ENSMUSG00000032193	3697.126	0.478	0.128	3.751	1.8E-04	0.00080275	Ldlr
ENSMUSG00000035158	2652.430	0.478	0.130	3.667	2.5E-04	0.00109384	Mitf
ENSMUSG00000064147	1277.003	0.478	0.140	3.411	6.5E-04	0.00265601	Rab44
ENSMUSG00000030786	3426.905	0.477	0.103	4.622	3.8E-06	2.2312E-05	Itgam
ENSMUSG00000019054	8596.153	0.477	0.088	5.409	6.4E-08	4.6473E-07	Fis1
ENSMUSG00000107286	193.583	0.477	0.189	2.529	1.1E-02	0.03527472	Gm43788

ENSMUSG00000018040	3882.916	0.477	0.088	5.433	5.5E-08	4.0782E-07	Rrp7a
ENSMUSG00000024937	18609.610	0.477	0.093	5.111	3.2E-07	2.1438E-06	Ehbp111
ENSMUSG00000029649	12901.065	0.477	0.068	7.003	2.5E-12	2.737E-11	Pomp
ENSMUSG00000032475	2690.388	0.477	0.103	4.648	3.4E-06	1.9825E-05	Nck1
ENSMUSG00000040021	1516.553	0.476	0.122	3.890	1.0E-04	0.00047547	Lats1
ENSMUSG00000020897	1396.408	0.475	0.135	3.525	4.2E-04	0.00179961	Aurkb
ENSMUSG00000003527	2075.615	0.475	0.103	4.622	3.8E-06	2.2349E-05	Ess2
ENSMUSG00000020220	842.550	0.475	0.139	3.426	6.1E-04	0.00252662	Vps13d
ENSMUSG00000048970	1993.413	0.474	0.124	3.821	1.3E-04	0.00061937	C1galt1c1
ENSMUSG00000032977	3358.167	0.474	0.104	4.554	5.3E-06	3.0201E-05	Fam207a
ENSMUSG00000026761	1978.264	0.474	0.126	3.762	1.7E-04	0.00077253	Orc4
ENSMUSG00000026987	2363.598	0.474	0.120	3.965	7.4E-05	0.00035682	Baz2b
ENSMUSG00000040097	1245.962	0.474	0.174	2.728	6.4E-03	0.02111414	Flywhc1
ENSMUSG00000046768	490.148	0.473	0.195	2.423	1.5E-02	0.04576702	Rhoj
ENSMUSG00000020801	615.815	0.473	0.147	3.218	1.3E-03	0.00502269	Med31
ENSMUSG00000024976	3154.347	0.472	0.113	4.182	2.9E-05	0.00014907	Shoc2
ENSMUSG00000075327	866.663	0.472	0.173	2.736	6.2E-03	0.02067819	Zbtb2
ENSMUSG00000040511	2367.238	0.472	0.122	3.864	1.1E-04	0.00052579	Pvr
ENSMUSG00000057335	2428.806	0.471	0.132	3.576	3.5E-04	0.00150821	Cep170
ENSMUSG00000031197	3907.443	0.471	0.077	6.140	8.2E-10	7.3248E-09	Vbp1
ENSMUSG00000021866	6175.670	0.470	0.088	5.362	8.2E-08	5.9502E-07	Anxa11
ENSMUSG00000075702	1058.126	0.470	0.147	3.193	1.4E-03	0.00542541	Selenom
ENSMUSG00000026239	1695.385	0.470	0.121	3.896	9.8E-05	0.0004644	Pde6d
ENSMUSG00000015474	1996.061	0.470	0.098	4.800	1.6E-06	9.7433E-06	Ppt2
ENSMUSG00000032097	1415.653	0.469	0.115	4.094	4.2E-05	0.00021316	Ddx6
ENSMUSG00000044042	977.594	0.468	0.159	2.950	3.2E-03	0.01138789	Fmn1
ENSMUSG00000015305	2284.189	0.467	0.152	3.082	2.1E-03	0.00767775	Sash1
ENSMUSG00000024576	10287.139	0.467	0.076	6.126	9.0E-10	7.9734E-09	Csnk1a1
ENSMUSG00000018076	5666.794	0.467	0.131	3.571	3.6E-04	0.00153382	Med131
ENSMUSG00000023994	1021.630	0.467	0.157	2.979	2.9E-03	0.01045863	Nfya
ENSMUSG00000005779	7707.684	0.467	0.055	8.510	1.7E-17	2.7209E-16	Psmb4
ENSMUSG000000081306	3193.661	0.466	0.098	4.781	1.7E-06	1.0689E-05	Gm15266
ENSMUSG00000023827	2418.119	0.466	0.129	3.614	3.0E-04	0.0013188	Agpat4
ENSMUSG00000022200	4715.961	0.466	0.074	6.294	3.1E-10	2.8576E-09	Golph3
ENSMUSG00000024283	5064.856	0.466	0.093	5.026	5.0E-07	3.2652E-06	Wac
ENSMUSG00000029776	4449.590	0.465	0.116	4.012	6.0E-05	0.00029662	Hibadh
ENSMUSG00000026436	719.605	0.465	0.161	2.894	3.8E-03	0.01333171	Elk4
ENSMUSG00000039231	712.023	0.465	0.137	3.394	6.9E-04	0.00281251	Suv39h1
ENSMUSG00000020914	2990.365	0.465	0.087	5.346	9.0E-08	6.4406E-07	Top2a
ENSMUSG00000031004	1182.738	0.464	0.141	3.300	9.7E-04	0.00385064	Mki67
ENSMUSG00000042688	7563.079	0.464	0.086	5.374	7.7E-08	5.5684E-07	Mapk6
ENSMUSG00000005161	8400.827	0.463	0.088	5.264	1.4E-07	9.8999E-07	Prdx2
ENSMUSG00000028759	5058.116	0.463	0.147	3.156	1.6E-03	0.00609018	Hp1bp3
ENSMUSG00000030750	2158.674	0.463	0.110	4.203	2.6E-05	0.00013639	Nsmce1
ENSMUSG00000021076	4462.526	0.461	0.081	5.662	1.5E-08	1.1686E-07	Actr10
ENSMUSG00000058672	8875.830	0.461	0.084	5.459	4.8E-08	3.5559E-07	Tubb2a
ENSMUSG00000070372	5651.046	0.460	0.089	5.186	2.2E-07	1.4732E-06	Capza1
ENSMUSG00000039221	330.742	0.459	0.160	2.863	4.2E-03	0.01456635	Rpl2211
ENSMUSG000000084060	220.515	0.459	0.160	2.860	4.2E-03	0.01469507	Gm16412
ENSMUSG000000000743	10326.677	0.459	0.083	5.539	3.0E-08	2.3046E-07	Chmp1a
ENSMUSG00000027936	3307.905	0.458	0.105	4.386	1.2E-05	6.3379E-05	Crtc2
ENSMUSG00000025132	47566.410	0.458	0.058	7.964	1.7E-15	2.2619E-14	Arhgdia

ENSMUSG00000026203	1116.785	0.457	0.163	2.802	5.1E-03	0.01733276	Dnajb2
ENSMUSG00000047417	3164.175	0.457	0.100	4.560	5.1E-06	2.9464E-05	Rexo1
ENSMUSG00000054387	2062.495	0.457	0.118	3.865	1.1E-04	0.00052317	Mdm4
ENSMUSG00000005803	3701.955	0.456	0.082	5.539	3.0E-08	2.3079E-07	Sqor
ENSMUSG00000020840	3245.482	0.456	0.098	4.645	3.4E-06	2.0123E-05	Blmh
ENSMUSG00000003033	6112.782	0.456	0.079	5.767	8.1E-09	6.4799E-08	Ap1m1
ENSMUSG000000031723	2223.940	0.454	0.126	3.590	3.3E-04	0.00143489	Txn14b
ENSMUSG00000000134	9402.682	0.454	0.091	5.008	5.5E-07	3.5603E-06	Tfe3
ENSMUSG00000004591	3573.974	0.453	0.110	4.105	4.0E-05	0.00020408	Pkn2
ENSMUSG00000029681	4038.074	0.453	0.091	4.981	6.3E-07	4.076E-06	Bcl7b
ENSMUSG00000000568	3312.520	0.453	0.115	3.952	7.7E-05	0.00037424	Hnrnpd
ENSMUSG00000030291	1389.755	0.452	0.121	3.727	1.9E-04	0.00087696	Med21
ENSMUSG00000005813	3668.860	0.451	0.090	4.993	5.9E-07	3.8433E-06	Metap1
ENSMUSG00000024660	1759.738	0.451	0.117	3.842	1.2E-04	0.00057193	Incenp
ENSMUSG00000030867	1348.155	0.450	0.159	2.838	4.5E-03	0.01565894	Plk1
ENSMUSG00000040297	1095.203	0.450	0.103	4.380	1.2E-05	6.4871E-05	Suco
ENSMUSG00000043542	1149.664	0.449	0.174	2.585	9.7E-03	0.03048478	Zc2hc1a
ENSMUSG00000021486	12133.263	0.449	0.072	6.212	5.2E-10	4.6987E-09	Prelid1
ENSMUSG00000015750	926.761	0.449	0.138	3.249	1.2E-03	0.00454476	Aph1a
ENSMUSG00000033416	1800.485	0.448	0.133	3.382	7.2E-04	0.0029244	Gucd1
ENSMUSG00000031858	3660.852	0.448	0.094	4.770	1.8E-06	1.1233E-05	Mau2
ENSMUSG00000021975	1761.967	0.448	0.136	3.288	1.0E-03	0.00400232	Ints9
ENSMUSG00000042572	4117.408	0.448	0.112	3.994	6.5E-05	0.00031864	Ube2q1
ENSMUSG00000034765	2689.566	0.448	0.134	3.350	8.1E-04	0.00326282	Dusp5
ENSMUSG00000024456	2346.198	0.447	0.127	3.512	4.5E-04	0.00188397	Diaph1
ENSMUSG00000004934	4361.948	0.447	0.119	3.769	1.6E-04	0.00075218	Pias4
ENSMUSG00000036478	23977.448	0.447	0.101	4.449	8.6E-06	4.8328E-05	Btg1
ENSMUSG00000020330	666.740	0.447	0.173	2.580	9.9E-03	0.03092415	Hmmr
ENSMUSG00000003161	11469.479	0.447	0.062	7.233	4.7E-13	5.4593E-12	Sri
ENSMUSG00000059890	1676.148	0.447	0.144	3.104	1.9E-03	0.00717256	Ube4a
ENSMUSG00000022130	1144.220	0.446	0.144	3.105	1.9E-03	0.00715062	Tgds
ENSMUSG00000006699	44468.732	0.446	0.063	7.018	2.2E-12	2.4671E-11	Cdc42
ENSMUSG00000025354	4248.229	0.444	0.099	4.478	7.5E-06	4.2613E-05	Dnajc14
ENSMUSG00000064145	2106.587	0.444	0.137	3.249	1.2E-03	0.00455228	Arih2
ENSMUSG00000072235	3044.474	0.443	0.101	4.402	1.1E-05	5.9132E-05	Tubal1a
ENSMUSG00000004446	3869.796	0.443	0.086	5.138	2.8E-07	1.8763E-06	Bid
ENSMUSG00000052593	12600.878	0.443	0.095	4.642	3.5E-06	2.0406E-05	Adam17
ENSMUSG00000074743	3889.122	0.442	0.134	3.296	9.8E-04	0.00389251	Thbd
ENSMUSG00000073471	218.079	0.442	0.174	2.537	1.1E-02	0.03451757	Rsph3a
ENSMUSG00000027479	17232.139	0.442	0.066	6.699	2.1E-11	2.123E-10	Mapre1
ENSMUSG00000006169	6988.154	0.442	0.105	4.228	2.4E-05	0.00012322	Clint1
ENSMUSG00000002028	1076.893	0.442	0.133	3.316	9.1E-04	0.00364493	Kmt2a
ENSMUSG00000026628	21470.968	0.442	0.150	2.946	3.2E-03	0.01149896	Atf3
ENSMUSG00000018001	4110.057	0.441	0.093	4.726	2.3E-06	1.3832E-05	Cyth3
ENSMUSG00000026701	31080.476	0.441	0.091	4.843	1.3E-06	7.954E-06	Prdx6
ENSMUSG00000025066	7723.190	0.441	0.073	5.997	2.0E-09	1.7246E-08	Sfr1
ENSMUSG00000035529	2105.802	0.440	0.085	5.169	2.3E-07	1.6014E-06	Prdm4
ENSMUSG00000035171	325.037	0.439	0.155	2.830	4.7E-03	0.01601879	1110059E24Rik
ENSMUSG00000044155	1997.278	0.439	0.118	3.708	2.1E-04	0.00094148	Lsm8
ENSMUSG00000029407	4317.177	0.438	0.116	3.781	1.6E-04	0.00071885	Uso1
ENSMUSG00000020962	3350.961	0.437	0.083	5.253	1.5E-07	1.0478E-06	Gtf2a1
ENSMUSG00000022951	6250.479	0.437	0.135	3.238	1.2E-03	0.00470174	Rcan1

ENSMUSG00000037349	745.635	0.437	0.176	2.478	1.3E-02	0.04001045	Nudt22
ENSMUSG00000031529	2523.446	0.436	0.133	3.277	1.1E-03	0.00414944	Tnks
ENSMUSG00000029190	1261.086	0.436	0.117	3.741	1.8E-04	0.00083464	D5Erttd579e
ENSMUSG00000027361	1754.549	0.435	0.130	3.337	8.5E-04	0.00340396	Gabpb1
ENSMUSG00000030423	1828.516	0.434	0.094	4.608	4.1E-06	2.3832E-05	Pop4
ENSMUSG00000007041	39965.476	0.434	0.085	5.082	3.7E-07	2.4784E-06	Clic1
ENSMUSG00000047731	5008.328	0.433	0.118	3.661	2.5E-04	0.00111771	Wbp11
ENSMUSG00000048175	2388.834	0.433	0.119	3.629	2.8E-04	0.00125402	Asb8
ENSMUSG00000031960	7151.668	0.433	0.095	4.573	4.8E-06	2.7849E-05	Aars
ENSMUSG00000028848	960.032	0.432	0.166	2.602	9.3E-03	0.02927549	Gpn2
ENSMUSG00000026478	1199.780	0.432	0.144	3.007	2.6E-03	0.00960183	Lamc1
ENSMUSG00000018442	6593.578	0.432	0.063	6.882	5.9E-12	6.2511E-11	Der12
ENSMUSG000000114608	654.983	0.432	0.170	2.541	1.1E-02	0.03413964	Gm36161
ENSMUSG00000061778	1891.328	0.432	0.139	3.108	1.9E-03	0.0070906	Mospd2
ENSMUSG00000049658	1549.478	0.432	0.135	3.204	1.4E-03	0.00523663	Bdp1
ENSMUSG00000031731	2406.962	0.431	0.102	4.229	2.3E-05	0.00012271	Ap1g1
ENSMUSG00000017221	5523.551	0.431	0.065	6.678	2.4E-11	2.443E-10	Psm3
ENSMUSG00000052915	2120.686	0.431	0.086	5.029	4.9E-07	3.2063E-06	Msl1
ENSMUSG00000029725	2867.457	0.431	0.093	4.621	3.8E-06	2.2441E-05	Ppp1r35
ENSMUSG00000061175	2996.022	0.430	0.161	2.668	7.6E-03	0.02473067	Fnip2
ENSMUSG00000057666	63049.357	0.430	0.068	6.348	2.2E-10	2.0475E-09	Gapdh
ENSMUSG00000030760	5012.385	0.430	0.099	4.356	1.3E-05	7.2148E-05	Acer3
ENSMUSG00000093661	1278.177	0.430	0.146	2.953	3.1E-03	0.01128186	Eif4e3
ENSMUSG00000023051	1298.207	0.429	0.129	3.336	8.5E-04	0.00340767	Tarbp2
ENSMUSG00000024290	8851.318	0.429	0.071	6.024	1.7E-09	1.4621E-08	Rock1
ENSMUSG000000104360	460.140	0.429	0.116	3.697	2.2E-04	0.00097876	Mif-ps1
ENSMUSG00000040010	2335.313	0.429	0.098	4.351	1.4E-05	7.3548E-05	Slc7a5
ENSMUSG00000034708	114612.160	0.428	0.108	3.960	7.5E-05	0.00036322	Grn
ENSMUSG00000025575	4571.586	0.428	0.120	3.558	3.7E-04	0.00160349	Cant1
ENSMUSG00000060743	8110.701	0.427	0.087	4.935	8.0E-07	5.1068E-06	H3f3a
ENSMUSG00000021973	3076.123	0.427	0.092	4.638	3.5E-06	2.0775E-05	Micu2
ENSMUSG00000032469	942.892	0.427	0.142	3.004	2.7E-03	0.00969468	Dbr1
ENSMUSG00000006335	1256.356	0.426	0.113	3.763	1.7E-04	0.00076839	Tfpt
ENSMUSG00000018848	6414.402	0.426	0.083	5.154	2.6E-07	1.7323E-06	Rars
ENSMUSG00000061436	1094.355	0.426	0.178	2.392	1.7E-02	0.04926618	Hipk2
ENSMUSG00000022570	4938.424	0.425	0.088	4.833	1.3E-06	8.3348E-06	Gfus
ENSMUSG00000026663	2692.684	0.425	0.115	3.688	2.3E-04	0.001013	Atf6
ENSMUSG00000026484	3241.106	0.425	0.102	4.155	3.3E-05	0.00016632	Rnf2
ENSMUSG00000017776	6239.728	0.425	0.096	4.428	9.5E-06	5.2799E-05	Crk
ENSMUSG00000031264	3307.607	0.425	0.116	3.665	2.5E-04	0.00110043	Btk
ENSMUSG00000025268	1695.352	0.424	0.116	3.658	2.5E-04	0.00113091	Maged2
ENSMUSG00000032077	842.218	0.422	0.162	2.597	9.4E-03	0.02957695	Bud13
ENSMUSG00000009207	2003.996	0.422	0.123	3.420	6.3E-04	0.00257466	Lnpk
ENSMUSG00000006005	9130.360	0.421	0.090	4.705	2.5E-06	1.5275E-05	Tpr
ENSMUSG00000051391	12506.111	0.421	0.088	4.763	1.9E-06	1.1591E-05	Ywhag
ENSMUSG00000020085	1550.343	0.421	0.139	3.027	2.5E-03	0.00905465	Aifm2
ENSMUSG00000041278	3638.377	0.420	0.080	5.244	1.6E-07	1.0965E-06	Ttcl
ENSMUSG00000024393	3156.272	0.420	0.106	3.966	7.3E-05	0.00035561	Prrc2a
ENSMUSG00000025024	2492.702	0.420	0.090	4.653	3.3E-06	1.9433E-05	Smndc1
ENSMUSG00000001891	5023.506	0.420	0.086	4.908	9.2E-07	5.8261E-06	Ugp2
ENSMUSG00000041355	12226.840	0.420	0.063	6.640	3.1E-11	3.1363E-10	Ssr2
ENSMUSG00000039463	1932.860	0.418	0.103	4.050	5.1E-05	0.00025567	Slc9a8

ENSMUSG0000004642	3074.377	0.418	0.091	4.596	4.3E-06	2.5092E-05	Slbp
ENSMUSG00000012114	8700.477	0.418	0.087	4.799	1.6E-06	9.7828E-06	Med15
ENSMUSG00000031378	3158.780	0.417	0.122	3.430	6.0E-04	0.00249098	Abcd1
ENSMUSG00000041836	7349.433	0.417	0.085	4.880	1.1E-06	6.6419E-06	Ptpre
ENSMUSG00000024610	132974.476	0.416	0.123	3.377	7.3E-04	0.00297953	Cd74
ENSMUSG00000015839	11963.822	0.416	0.072	5.816	6.0E-09	4.9195E-08	Nfe212
ENSMUSG00000018008	44786.975	0.416	0.106	3.919	8.9E-05	0.00042536	Cyth4
ENSMUSG00000037902	52965.362	0.416	0.089	4.648	3.3E-06	1.981E-05	Sirpa
ENSMUSG00000027739	1055.247	0.416	0.143	2.903	3.7E-03	0.01300399	Rab33b
ENSMUSG00000037649	4156.832	0.415	0.087	4.782	1.7E-06	1.0638E-05	H2-DMa
ENSMUSG00000029817	3249.685	0.415	0.104	3.992	6.6E-05	0.00032134	Tra2a
ENSMUSG00000028955	6203.974	0.415	0.099	4.172	3.0E-05	0.0001548	Vamp3
ENSMUSG00000035585	3345.393	0.414	0.113	3.670	2.4E-04	0.00108047	Tsen34
ENSMUSG00000027746	3421.684	0.414	0.079	5.252	1.5E-07	1.055E-06	Ufm1
ENSMUSG00000019487	1813.405	0.414	0.122	3.406	6.6E-04	0.00270088	Trip10
ENSMUSG00000031887	3506.112	0.413	0.092	4.492	7.1E-06	3.9984E-05	Tradd
ENSMUSG00000028322	2599.896	0.412	0.104	3.960	7.5E-05	0.00036311	Exosc3
ENSMUSG00000035828	2304.620	0.412	0.124	3.309	9.4E-04	0.00373794	Pim3
ENSMUSG00000038250	875.220	0.411	0.151	2.724	6.4E-03	0.02134633	Usp38
ENSMUSG00000074247	8050.002	0.411	0.076	5.425	5.8E-08	4.2635E-07	Ddal
ENSMUSG00000031555	6931.695	0.411	0.118	3.481	5.0E-04	0.00209782	Adam9
ENSMUSG00000037410	1410.295	0.410	0.159	2.573	1.0E-02	0.03144513	Tbc1d2b
ENSMUSG00000066151	3510.606	0.410	0.106	3.863	1.1E-04	0.00052803	Fkbp15
ENSMUSG00000030082	14696.628	0.409	0.075	5.481	4.2E-08	3.1652E-07	Sec61a1
ENSMUSG00000030697	13106.082	0.408	0.073	5.606	2.1E-08	1.5969E-07	Ppp4c
ENSMUSG00000021998	72406.879	0.408	0.093	4.398	1.1E-05	6.0221E-05	Lcp1
ENSMUSG000000110275	1206.057	0.408	0.132	3.077	2.1E-03	0.00777998	Gm5905
ENSMUSG00000006517	1533.246	0.408	0.166	2.448	1.4E-02	0.04295701	Mvd
ENSMUSG00000023286	5681.774	0.407	0.073	5.609	2.0E-08	1.5767E-07	Ube2j2
ENSMUSG00000002748	1825.100	0.407	0.141	2.882	4.0E-03	0.01380955	Baz1b
ENSMUSG00000004665	17672.137	0.407	0.111	3.667	2.5E-04	0.00109492	Cnn2
ENSMUSG00000066149	1436.781	0.407	0.084	4.866	1.1E-06	7.1166E-06	Cdc26
ENSMUSG00000049106	820.536	0.406	0.156	2.607	9.1E-03	0.02888016	Dcaf5
ENSMUSG00000028886	1554.608	0.405	0.123	3.302	9.6E-04	0.00382262	Eya3
ENSMUSG00000035181	1403.661	0.405	0.158	2.559	1.0E-02	0.03258719	Heatr5a
ENSMUSG00000014859	5802.643	0.404	0.081	4.993	5.9E-07	3.8378E-06	E2f4
ENSMUSG00000006740	13496.051	0.404	0.071	5.731	1.0E-08	7.9557E-08	Kif5b
ENSMUSG000000050721	16600.846	0.404	0.095	4.262	2.0E-05	0.00010703	Plekho2
ENSMUSG00000027650	1132.447	0.404	0.156	2.589	9.6E-03	0.03018134	Tti1
ENSMUSG00000019838	11063.525	0.403	0.109	3.710	2.1E-04	0.00093263	Slc16a10
ENSMUSG000000107470	162.214	0.401	0.163	2.460	1.4E-02	0.04175165	Gm3375
ENSMUSG00000028967	16393.413	0.401	0.143	2.812	4.9E-03	0.01685342	Errfi1
ENSMUSG00000038121	768.314	0.401	0.143	2.796	5.2E-03	0.01762223	Fam210a
ENSMUSG00000000530	4495.432	0.400	0.115	3.471	5.2E-04	0.00216877	Acvr1l
ENSMUSG00000025228	8501.389	0.400	0.088	4.535	5.8E-06	3.3055E-05	Actr1a
ENSMUSG00000035469	1528.944	0.400	0.137	2.926	3.4E-03	0.01218067	Rcbtb1
ENSMUSG00000002608	3291.946	0.399	0.102	3.899	9.7E-05	0.00045919	Ccde97
ENSMUSG00000038619	5734.957	0.399	0.082	4.856	1.2E-06	7.4789E-06	Ensa
ENSMUSG00000032020	6753.147	0.398	0.094	4.219	2.5E-05	0.00012793	Ubash3b
ENSMUSG000000050144	2549.417	0.398	0.096	4.120	3.8E-05	0.00019181	Slc25a44
ENSMUSG00000024410	3044.104	0.397	0.118	3.355	7.9E-04	0.00320198	Rmc1
ENSMUSG00000053950	932.393	0.397	0.160	2.483	1.3E-02	0.03951364	Adnp2

ENSMUSG0000001017	4373.803	0.397	0.082	4.828	1.4E-06	8.5212E-06	Chtop
ENSMUSG00000078238	566.839	0.397	0.125	3.172	1.5E-03	0.00580563	Gm12854
ENSMUSG00000039477	1634.740	0.396	0.138	2.865	4.2E-03	0.01448649	Tnrc18
ENSMUSG00000024926	1749.990	0.395	0.100	3.949	7.8E-05	0.00037884	Kat5
ENSMUSG00000029422	2881.385	0.395	0.100	3.936	8.3E-05	0.00039857	Rsrc2
ENSMUSG00000028042	6070.995	0.395	0.129	3.061	2.2E-03	0.00816931	Zbtb7b
ENSMUSG00000026249	7099.441	0.395	0.108	3.639	2.7E-04	0.00120882	Serpine2
ENSMUSG00000021728	11630.160	0.394	0.100	3.944	8.0E-05	0.00038564	Emb
ENSMUSG00000029363	1852.262	0.394	0.136	2.887	3.9E-03	0.01360047	Rfc5
ENSMUSG00000068732	1510.224	0.393	0.135	2.906	3.7E-03	0.01290139	Tmem167b
ENSMUSG00000075701	9569.601	0.392	0.057	6.856	7.1E-12	7.4479E-11	Selenos
ENSMUSG00000027879	6159.302	0.392	0.067	5.874	4.2E-09	3.5297E-08	Sec22b
ENSMUSG00000010755	2796.606	0.392	0.118	3.328	8.7E-04	0.00350377	Cars
ENSMUSG00000029064	41861.516	0.392	0.070	5.635	1.7E-08	1.3589E-07	Gnb1
ENSMUSG00000026223	18372.563	0.392	0.094	4.177	2.9E-05	0.00015174	Itm2c
ENSMUSG00000003762	839.507	0.392	0.144	2.716	6.6E-03	0.02184825	Coq8b
ENSMUSG00000041974	947.001	0.392	0.134	2.924	3.5E-03	0.0122556	Spidr
ENSMUSG00000031583	704.649	0.391	0.146	2.676	7.5E-03	0.02420369	Wrn
ENSMUSG00000023067	95228.926	0.391	0.125	3.139	1.7E-03	0.00642677	Cdkn1a
ENSMUSG00000079658	6289.524	0.391	0.079	4.966	6.8E-07	4.3861E-06	Eloc
ENSMUSG00000087107	2325.913	0.391	0.086	4.533	5.8E-06	3.3336E-05	Al662270
ENSMUSG00000032531	1960.851	0.391	0.162	2.409	1.6E-02	0.04725447	Amotl2
ENSMUSG00000025487	8580.036	0.391	0.065	5.974	2.3E-09	1.9617E-08	Psm13
ENSMUSG00000004054	5199.221	0.391	0.102	3.842	1.2E-04	0.00057135	Map3k11
ENSMUSG00000012296	1464.587	0.390	0.146	2.677	7.4E-03	0.02412999	Tjap1
ENSMUSG00000018678	2214.489	0.390	0.120	3.261	1.1E-03	0.00437566	Sp2
ENSMUSG00000028060	3305.284	0.389	0.065	5.983	2.2E-09	1.8663E-08	Khdc4
ENSMUSG00000032384	3092.239	0.389	0.140	2.772	5.6E-03	0.01876735	Csnk1g1
ENSMUSG00000060935	1169.362	0.389	0.141	2.758	5.8E-03	0.019487	Tmem263
ENSMUSG00000029518	3717.501	0.388	0.076	5.085	3.7E-07	2.4459E-06	Rab35
ENSMUSG00000034707	24706.928	0.387	0.109	3.550	3.9E-04	0.00165498	Gns
ENSMUSG00000027466	7932.406	0.387	0.091	4.266	2.0E-05	0.00010535	Rbck1
ENSMUSG00000029472	6828.095	0.387	0.079	4.907	9.2E-07	5.8321E-06	Anapc5
ENSMUSG00000026750	2010.158	0.387	0.095	4.051	5.1E-05	0.00025406	Psmb7
ENSMUSG00000017299	2534.421	0.386	0.091	4.234	2.3E-05	0.00012058	Dnttip1
ENSMUSG00000035086	3408.723	0.385	0.090	4.304	1.7E-05	8.9699E-05	Becn1
ENSMUSG00000032059	1629.027	0.385	0.144	2.671	7.6E-03	0.02453039	Alg9
ENSMUSG00000042744	1789.417	0.385	0.140	2.757	5.8E-03	0.01955255	Hectd4
ENSMUSG00000052406	2576.726	0.384	0.104	3.693	2.2E-04	0.00099268	Rexo4
ENSMUSG00000044098	892.353	0.384	0.132	2.903	3.7E-03	0.01298849	Rsb1
ENSMUSG00000061461	2924.803	0.383	0.118	3.244	1.2E-03	0.00462009	Smim20
ENSMUSG00000013539	3022.381	0.382	0.112	3.425	6.2E-04	0.00253559	Tango2
ENSMUSG00000008333	2638.232	0.382	0.101	3.768	1.6E-04	0.00075606	Snrpb2
ENSMUSG00000031278	4965.352	0.382	0.097	3.955	7.7E-05	0.00037101	Acs14
ENSMUSG00000047557	2110.619	0.381	0.108	3.529	4.2E-04	0.00177614	Lxn
ENSMUSG00000030603	12953.212	0.381	0.063	6.094	1.1E-09	9.6344E-09	Psme4
ENSMUSG00000006050	5828.928	0.381	0.075	5.059	4.2E-07	2.7686E-06	Sra1
ENSMUSG00000028383	1303.197	0.381	0.132	2.895	3.8E-03	0.01332489	Hsd12
ENSMUSG00000020664	3394.720	0.380	0.087	4.350	1.4E-05	7.3778E-05	Dld
ENSMUSG00000029070	1199.713	0.380	0.141	2.688	7.2E-03	0.02345717	Mxra8
ENSMUSG00000025220	3213.705	0.380	0.127	2.994	2.8E-03	0.01001271	Oga
ENSMUSG00000027510	2474.919	0.379	0.130	2.906	3.7E-03	0.01288813	Rbm38

ENSMUSG00000068335	4734.034	0.378	0.113	3.359	7.8E-04	0.00316288	Dok1
ENSMUSG00000020803	9188.858	0.378	0.076	4.987	6.1E-07	3.9611E-06	Txndc17
ENSMUSG00000023048	26651.619	0.378	0.076	4.972	6.6E-07	4.2589E-06	Prr13
ENSMUSG00000001910	2533.957	0.377	0.137	2.757	5.8E-03	0.0195347	Nacc1
ENSMUSG00000030822	4021.074	0.377	0.098	3.836	1.2E-04	0.00058416	Prr14
ENSMUSG00000105987	4230.193	0.377	0.101	3.744	1.8E-04	0.00082398	AI506816
ENSMUSG00000035851	1766.404	0.377	0.098	3.864	1.1E-04	0.00052631	Ythdc1
ENSMUSG00000021501	2370.352	0.377	0.109	3.469	5.2E-04	0.0021816	Caml
ENSMUSG00000037857	835.793	0.377	0.144	2.612	9.0E-03	0.02849004	Nufip2
ENSMUSG00000074781	4030.673	0.377	0.064	5.844	5.1E-09	4.2E-08	Ube2n
ENSMUSG00000031065	3777.271	0.376	0.120	3.138	1.7E-03	0.00644258	Cdk16
ENSMUSG00000027715	1648.892	0.376	0.112	3.362	7.7E-04	0.00312773	Ccna2
ENSMUSG00000020720	9503.343	0.376	0.072	5.254	1.5E-07	1.0449E-06	Psmd12
ENSMUSG00000002052	1522.732	0.376	0.141	2.664	7.7E-03	0.02495475	Supt6
ENSMUSG00000032261	2117.349	0.376	0.144	2.609	9.1E-03	0.02874153	Sh3bgrl2
ENSMUSG00000021044	1073.902	0.376	0.144	2.616	8.9E-03	0.0282287	Adek1
ENSMUSG00000004626	7773.472	0.375	0.067	5.565	2.6E-08	2.0036E-07	Stxbp2
ENSMUSG00000032458	8519.370	0.375	0.072	5.218	1.8E-07	1.2508E-06	Copb2
ENSMUSG00000049305	1131.906	0.375	0.153	2.444	1.5E-02	0.04340619	Ccdc71
ENSMUSG00000024006	4661.892	0.375	0.084	4.470	7.8E-06	4.4056E-05	Stk38
ENSMUSG00000042650	9031.770	0.374	0.072	5.232	1.7E-07	1.1642E-06	Alkbh5
ENSMUSG00000012117	1612.113	0.372	0.129	2.879	4.0E-03	0.01393612	Dhdds
ENSMUSG00000018160	4042.801	0.372	0.094	3.964	7.4E-05	0.00035795	Med1
ENSMUSG00000029163	3975.056	0.372	0.140	2.648	8.1E-03	0.02600271	Emilin1
ENSMUSG00000020409	3383.880	0.371	0.113	3.298	9.7E-04	0.00386607	Slu7
ENSMUSG00000040236	1904.030	0.371	0.123	3.018	2.5E-03	0.00931629	Trappe5
ENSMUSG00000005262	3262.717	0.371	0.074	5.034	4.8E-07	3.1276E-06	Ufd1
ENSMUSG00000047368	2239.264	0.371	0.103	3.594	3.3E-04	0.00141592	Abhd17b
ENSMUSG00000031783	2995.381	0.370	0.086	4.298	1.7E-05	9.1979E-05	Polr2c
ENSMUSG00000006304	67491.911	0.370	0.052	7.067	1.6E-12	1.7587E-11	Arpc2
ENSMUSG00000021417	1701.055	0.370	0.151	2.454	1.4E-02	0.04243401	Eci2
ENSMUSG00000030788	1793.083	0.370	0.144	2.572	1.0E-02	0.03151387	Rnf141
ENSMUSG00000046020	918.869	0.370	0.140	2.645	8.2E-03	0.02621696	Pofut1
ENSMUSG00000036315	1238.394	0.370	0.094	3.915	9.0E-05	0.00043209	Polr1h
ENSMUSG00000022635	4867.225	0.369	0.083	4.426	9.6E-06	5.3245E-05	Zcrl1
ENSMUSG00000015133	1095.090	0.369	0.121	3.061	2.2E-03	0.00818385	Lrrk1
ENSMUSG00000052748	1164.997	0.369	0.114	3.241	1.2E-03	0.00465874	Swt1
ENSMUSG00000013736	1947.919	0.369	0.113	3.263	1.1E-03	0.00434003	Trnt1
ENSMUSG00000022974	1229.260	0.368	0.149	2.477	1.3E-02	0.04006426	Paxbp1
ENSMUSG00000039148	2278.688	0.368	0.111	3.325	8.8E-04	0.00354079	Sart1
ENSMUSG00000029185	1391.840	0.367	0.135	2.730	6.3E-03	0.02097523	Fam114a1
ENSMUSG00000002997	3052.662	0.367	0.125	2.928	3.4E-03	0.01214114	Prkar2b
ENSMUSG00000032612	6396.808	0.367	0.069	5.340	9.3E-08	6.6485E-07	Usp4
ENSMUSG00000028233	2737.136	0.366	0.103	3.556	3.8E-04	0.00161762	Tgs1
ENSMUSG00000025871	7096.333	0.365	0.083	4.405	1.1E-05	5.8204E-05	4833439L19Rik
ENSMUSG00000053560	10287.125	0.365	0.089	4.107	4.0E-05	0.00020266	Ier2
ENSMUSG00000024146	4513.169	0.365	0.067	5.460	4.8E-08	3.5242E-07	Cript
ENSMUSG00000028249	97015.072	0.364	0.100	3.640	2.7E-04	0.0012028	Sdcbp
ENSMUSG00000009575	2142.858	0.364	0.114	3.206	1.3E-03	0.00520526	Cbx5
ENSMUSG00000027628	2897.507	0.363	0.113	3.219	1.3E-03	0.00500285	Aar2
ENSMUSG00000031565	2223.330	0.362	0.142	2.557	1.1E-02	0.03277702	Fgfr1
ENSMUSG00000112148	4184.812	0.362	0.100	3.618	3.0E-04	0.00130098	Lilrb4a

ENSMUSG00000027502	8213.679	0.362	0.083	4.347	1.4E-05	7.4862E-05	Rtf2
ENSMUSG00000034616	3642.283	0.362	0.132	2.745	6.0E-03	0.02015798	Ssh3
ENSMUSG00000005625	15199.898	0.362	0.072	5.011	5.4E-07	3.5239E-06	Psmd4
ENSMUSG00000072501	4609.508	0.361	0.084	4.317	1.6E-05	8.4844E-05	Phf2011
ENSMUSG00000039233	1252.047	0.361	0.088	4.097	4.2E-05	0.00021077	Tbce
ENSMUSG00000029569	3509.204	0.361	0.119	3.038	2.4E-03	0.00874831	Tmem168
ENSMUSG00000067787	3796.029	0.361	0.123	2.941	3.3E-03	0.01169817	Blcap
ENSMUSG00000021262	9689.205	0.360	0.118	3.050	2.3E-03	0.00846087	Ev1
ENSMUSG00000078671	1471.334	0.360	0.133	2.714	6.6E-03	0.02195089	Chd2
ENSMUSG00000031600	2669.504	0.360	0.111	3.233	1.2E-03	0.00477999	Vps37a
ENSMUSG00000042305	3658.655	0.359	0.090	3.989	6.6E-05	0.00032501	Tmem183a
ENSMUSG00000036513	2329.918	0.359	0.083	4.342	1.4E-05	7.6397E-05	Commd2
ENSMUSG00000047832	2783.191	0.359	0.086	4.166	3.1E-05	0.00015853	Cdca4
ENSMUSG00000023852	3552.457	0.358	0.110	3.245	1.2E-03	0.00461381	Chd1
ENSMUSG00000042406	5232.049	0.358	0.115	3.123	1.8E-03	0.00674705	Atf4
ENSMUSG00000022255	12717.248	0.357	0.063	5.698	1.2E-08	9.5839E-08	Mtdh
ENSMUSG00000033128	10443.777	0.357	0.082	4.352	1.3E-05	7.3152E-05	Ggal
ENSMUSG00000030655	2596.981	0.357	0.124	2.870	4.1E-03	0.01427994	Smg1
ENSMUSG00000025409	1739.249	0.356	0.133	2.671	7.6E-03	0.02448707	Mbd6
ENSMUSG00000040822	2500.042	0.356	0.092	3.851	1.2E-04	0.00055103	1700123O20Rik
ENSMUSG00000030718	4732.392	0.355	0.084	4.236	2.3E-05	0.00011912	Ppme1
ENSMUSG00000028692	103544.769	0.355	0.079	4.504	6.7E-06	3.7892E-05	Akr1a1
ENSMUSG00000031513	6669.575	0.355	0.079	4.478	7.5E-06	4.2577E-05	Leprot11
ENSMUSG00000021428	1989.535	0.355	0.102	3.484	4.9E-04	0.00207064	Riok1
ENSMUSG00000029729	772.978	0.354	0.135	2.629	8.6E-03	0.02735455	Zkscan1
ENSMUSG00000003269	2348.169	0.354	0.082	4.317	1.6E-05	8.4892E-05	Cyth2
ENSMUSG00000027907	7076.985	0.354	0.144	2.457	1.4E-02	0.0420453	S100a11
ENSMUSG00000049339	5348.696	0.354	0.102	3.471	5.2E-04	0.00216975	Retreg2
ENSMUSG00000083563	967.961	0.353	0.089	3.979	6.9E-05	0.00033775	Gm13340
ENSMUSG00000064339	174387.760	0.352	0.094	3.737	1.9E-04	0.000845	mt-Rnr2
ENSMUSG00000057858	928.389	0.352	0.120	2.934	3.4E-03	0.01192237	Fam204a
ENSMUSG00000061981	4900.620	0.352	0.079	4.468	7.9E-06	4.4332E-05	Flot2
ENSMUSG00000050912	9158.083	0.352	0.082	4.267	2.0E-05	0.00010487	Tmem123
ENSMUSG00000031537	5429.084	0.351	0.104	3.389	7.0E-04	0.00286303	Ikbkb
ENSMUSG00000029174	3441.878	0.351	0.144	2.441	1.5E-02	0.0437167	Tbc1d1
ENSMUSG00000021669	727.244	0.350	0.132	2.647	8.1E-03	0.02612312	Cert1
ENSMUSG00000034674	929.196	0.350	0.129	2.720	6.5E-03	0.02157556	Tdg
ENSMUSG00000034354	3169.219	0.349	0.105	3.325	8.9E-04	0.00354322	Mtmr3
ENSMUSG00000039967	1423.389	0.349	0.130	2.681	7.3E-03	0.02385273	Zfp292
ENSMUSG00000010067	2548.515	0.348	0.098	3.542	4.0E-04	0.00169606	Rassf1
ENSMUSG00000040842	5931.381	0.348	0.114	3.059	2.2E-03	0.00823418	Szrd1
ENSMUSG00000037685	2338.555	0.348	0.134	2.596	9.4E-03	0.02972645	Atp8a1
ENSMUSG00000043733	3381.940	0.348	0.122	2.839	4.5E-03	0.015608	Ptpn11
ENSMUSG00000032374	2026.664	0.347	0.144	2.418	1.6E-02	0.04623331	Plod2
ENSMUSG00000008976	1612.482	0.347	0.125	2.777	5.5E-03	0.01852046	Gabpa
ENSMUSG00000028563	3801.484	0.347	0.088	3.961	7.5E-05	0.00036243	Tm2d1
ENSMUSG00000022711	4253.213	0.347	0.100	3.455	5.5E-04	0.00229011	Pmm2
ENSMUSG00000038542	2194.890	0.346	0.122	2.838	4.5E-03	0.01564911	Pcid2
ENSMUSG00000035778	7604.831	0.346	0.137	2.531	1.1E-02	0.03511194	Ggta1
ENSMUSG00000029840	22012.946	0.346	0.046	7.494	6.7E-14	8.2667E-13	Mtpn
ENSMUSG00000066406	7001.065	0.345	0.084	4.097	4.2E-05	0.00021077	Akap13
ENSMUSG00000073725	5993.946	0.345	0.101	3.397	6.8E-04	0.00278192	Lmbrd1

ENSMUSG0000009640	1456.287	0.344	0.141	2.441	1.5E-02	0.04380217	Dmap1
ENSMUSG00000030591	19015.468	0.344	0.073	4.728	2.3E-06	1.3734E-05	Psmid8
ENSMUSG00000058013	5960.880	0.343	0.098	3.496	4.7E-04	0.0019919	Septin11
ENSMUSG00000039219	1910.266	0.343	0.138	2.486	1.3E-02	0.0391914	Arid4b
ENSMUSG00000022500	39470.697	0.343	0.100	3.432	6.0E-04	0.00247524	Litaf
ENSMUSG00000019795	6034.050	0.343	0.072	4.756	2.0E-06	1.1994E-05	Pcmt1
ENSMUSG00000031165	3007.382	0.343	0.108	3.183	1.5E-03	0.00561462	Was
ENSMUSG00000042211	4229.335	0.343	0.086	3.981	6.9E-05	0.00033566	Fbxo38
ENSMUSG00000020048	28317.035	0.342	0.065	5.242	1.6E-07	1.1088E-06	Hsp90b1
ENSMUSG00000020903	2315.693	0.342	0.087	3.920	8.8E-05	0.00042317	Stx8
ENSMUSG00000030884	4560.473	0.340	0.079	4.312	1.6E-05	8.6874E-05	Uqcrc2
ENSMUSG00000020522	3419.630	0.340	0.095	3.584	3.4E-04	0.00146534	Mfap3
ENSMUSG00000020088	8931.266	0.340	0.056	6.042	1.5E-09	1.3156E-08	Sar1a
ENSMUSG00000042625	2810.968	0.340	0.099	3.420	6.3E-04	0.00257466	Safb2
ENSMUSG00000024002	7716.627	0.339	0.079	4.272	1.9E-05	0.00010278	Brd4
ENSMUSG00000013662	3985.649	0.339	0.114	2.967	3.0E-03	0.01083295	Atad1
ENSMUSG00000034088	8744.347	0.339	0.084	4.029	5.6E-05	0.00027696	Hdlbp
ENSMUSG00000079108	371.231	0.338	0.137	2.469	1.4E-02	0.04084195	Srp54c
ENSMUSG00000026113	2905.351	0.337	0.116	2.911	3.6E-03	0.01269304	Inpp4a
ENSMUSG00000029265	3503.755	0.336	0.095	3.541	4.0E-04	0.0017053	Dr1
ENSMUSG00000038664	2134.224	0.336	0.130	2.585	9.7E-03	0.03049457	Herc1
ENSMUSG00000015932	17717.502	0.336	0.073	4.601	4.2E-06	2.4555E-05	Dstn
ENSMUSG00000028436	6790.209	0.335	0.080	4.203	2.6E-05	0.00013639	Dcaf12
ENSMUSG00000030720	9263.864	0.335	0.079	4.242	2.2E-05	0.00011627	Cln3
ENSMUSG00000041920	1802.938	0.334	0.132	2.527	1.2E-02	0.03542441	Slc16a6
ENSMUSG00000024758	13028.001	0.334	0.078	4.271	1.9E-05	0.000103	Rtn3
ENSMUSG00000040466	37125.922	0.334	0.097	3.457	5.5E-04	0.00227049	Blvrb
ENSMUSG00000022637	1608.976	0.333	0.119	2.796	5.2E-03	0.01761611	Cblb
ENSMUSG00000018322	5100.185	0.333	0.093	3.598	3.2E-04	0.0013968	Tomm34
ENSMUSG00000036977	1843.776	0.333	0.127	2.624	8.7E-03	0.02770187	Anapc10
ENSMUSG00000036246	5320.686	0.332	0.095	3.511	4.5E-04	0.00188819	Gmip
ENSMUSG00000038784	2715.277	0.332	0.091	3.645	2.7E-04	0.00118293	Cnot4
ENSMUSG00000026914	8521.397	0.332	0.062	5.318	1.0E-07	7.4721E-07	Psmid14
ENSMUSG00000022677	2432.679	0.332	0.093	3.564	3.6E-04	0.00157071	Cep20
ENSMUSG00000059555	4119.393	0.331	0.119	2.780	5.4E-03	0.01840469	Tor4a
ENSMUSG00000071072	9057.563	0.331	0.074	4.479	7.5E-06	4.2435E-05	Ptges3
ENSMUSG00000006333	22728.836	0.331	0.085	3.908	9.3E-05	0.00044455	Rps9
ENSMUSG00000032580	5998.861	0.330	0.104	3.178	1.5E-03	0.00569977	Rbm5
ENSMUSG00000026499	3773.477	0.330	0.106	3.101	1.9E-03	0.00723994	Acbd3
ENSMUSG00000030612	1721.365	0.329	0.132	2.489	1.3E-02	0.03895872	Mrpl46
ENSMUSG00000001472	12097.447	0.329	0.056	5.919	3.2E-09	2.7231E-08	Tcf25
ENSMUSG00000044147	12714.846	0.329	0.057	5.815	6.0E-09	4.9465E-08	Arf6
ENSMUSG00000029227	3358.405	0.328	0.069	4.792	1.6E-06	1.0116E-05	Fip111
ENSMUSG00000036461	5623.270	0.328	0.121	2.700	6.9E-03	0.02275727	Elf1
ENSMUSG00000036435	2725.526	0.328	0.099	3.312	9.3E-04	0.00369579	Exoc1
ENSMUSG00000028899	2613.385	0.327	0.095	3.440	5.8E-04	0.0024102	Taf12
ENSMUSG00000024942	3367.118	0.327	0.130	2.517	1.2E-02	0.03631008	Capn1
ENSMUSG00000031021	7993.581	0.327	0.076	4.276	1.9E-05	0.00010097	Tmem9b
ENSMUSG00000053094	6256.046	0.327	0.082	4.006	6.2E-05	0.0003039	Tmem248
ENSMUSG00000026977	2841.775	0.327	0.087	3.779	1.6E-04	0.00072418	Marchf7
ENSMUSG00000019942	2438.940	0.327	0.092	3.568	3.6E-04	0.00155257	Cdk1
ENSMUSG00000019528	5432.462	0.327	0.085	3.826	1.3E-04	0.00060705	Gyg

ENSMUSG00000041319	1619.957	0.327	0.102	3.215	1.3E-03	0.00506668	Thoc6
ENSMUSG00000039041	6124.383	0.326	0.090	3.632	2.8E-04	0.00123867	Adrm1
ENSMUSG00000015697	1197.564	0.326	0.127	2.567	1.0E-02	0.03191592	Setdb1
ENSMUSG00000037608	4116.555	0.326	0.106	3.074	2.1E-03	0.00785827	Bclaf1
ENSMUSG00000021302	2098.397	0.325	0.115	2.813	4.9E-03	0.01677622	Ggps1
ENSMUSG00000031774	2739.920	0.325	0.099	3.293	9.9E-04	0.00393259	Psme3ip1
ENSMUSG00000025484	1556.792	0.323	0.113	2.855	4.3E-03	0.01493013	Bet11
ENSMUSG00000014361	5229.093	0.322	0.130	2.479	1.3E-02	0.03994058	Mertk
ENSMUSG00000030216	6094.236	0.322	0.079	4.086	4.4E-05	0.00022071	Wbp11
ENSMUSG00000024091	21565.165	0.321	0.064	5.008	5.5E-07	3.5719E-06	Vapa
ENSMUSG00000015092	13701.466	0.321	0.066	4.881	1.1E-06	6.6365E-06	Edf1
ENSMUSG00000026433	2329.087	0.320	0.115	2.791	5.2E-03	0.01783407	Rab29
ENSMUSG00000005936	4919.026	0.320	0.073	4.377	1.2E-05	6.5908E-05	Kctd20
ENSMUSG00000027206	2748.183	0.320	0.099	3.244	1.2E-03	0.00461713	Cops2
ENSMUSG00000029922	8324.832	0.320	0.084	3.824	1.3E-04	0.00061276	Mkrn1
ENSMUSG00000018906	3855.231	0.319	0.095	3.345	8.2E-04	0.00332057	P4ha2
ENSMUSG00000025332	5062.798	0.319	0.101	3.142	1.7E-03	0.00636763	Kdm5c
ENSMUSG00000029073	1465.037	0.319	0.124	2.562	1.0E-02	0.03238772	Cptp
ENSMUSG00000045962	7979.948	0.318	0.119	2.671	7.6E-03	0.02450186	Wnk1
ENSMUSG00000024122	1557.272	0.317	0.099	3.214	1.3E-03	0.00508085	Pdpk1
ENSMUSG00000024583	9829.023	0.317	0.056	5.653	1.6E-08	1.2283E-07	Txn11
ENSMUSG00000043311	2897.067	0.317	0.104	3.049	2.3E-03	0.00846526	D17H6S53E
ENSMUSG00000020571	22490.044	0.316	0.065	4.884	1.0E-06	6.5379E-06	Pdia6
ENSMUSG00000017774	9516.398	0.316	0.117	2.695	7.0E-03	0.02300862	Myo1c
ENSMUSG00000032557	3873.147	0.315	0.097	3.235	1.2E-03	0.00475476	Uba5
ENSMUSG00000079057	2594.811	0.314	0.101	3.108	1.9E-03	0.00707655	Cyp4v3
ENSMUSG00000017716	1895.418	0.313	0.121	2.591	9.6E-03	0.03005568	Birc5
ENSMUSG00000014959	7754.997	0.313	0.070	4.499	6.8E-06	3.8822E-05	Gorasp2
ENSMUSG00000041765	3413.528	0.312	0.103	3.040	2.4E-03	0.00870094	Ubac2
ENSMUSG00000024900	6146.857	0.312	0.096	3.251	1.1E-03	0.00451315	Cpt1a
ENSMUSG00000038976	2862.372	0.312	0.079	3.929	8.5E-05	0.00040881	Ppp1r9b
ENSMUSG00000028873	2172.870	0.312	0.108	2.877	4.0E-03	0.01398009	Cdca8
ENSMUSG00000022204	2560.419	0.311	0.082	3.776	1.6E-04	0.00073383	Ngdn
ENSMUSG00000036966	3399.102	0.311	0.110	2.818	4.8E-03	0.01656181	Spryd3
ENSMUSG00000041763	4437.490	0.311	0.110	2.818	4.8E-03	0.01656763	Tpp2
ENSMUSG00000041235	3014.427	0.310	0.117	2.646	8.2E-03	0.02618701	Chd7
ENSMUSG00000037791	1292.600	0.310	0.120	2.587	9.7E-03	0.03032943	Phf12
ENSMUSG00000016946	3073.059	0.310	0.093	3.330	8.7E-04	0.00348808	Kctd5
ENSMUSG00000003038	8553.222	0.310	0.082	3.764	1.7E-04	0.00076592	Hmgn2
ENSMUSG00000018820	2639.317	0.310	0.112	2.767	5.7E-03	0.01899917	Zfyve27
ENSMUSG00000021038	3098.798	0.310	0.127	2.433	1.5E-02	0.04458696	Vipas39
ENSMUSG00000022201	4472.457	0.310	0.081	3.835	1.3E-04	0.00058779	Zfr
ENSMUSG00000032178	5412.965	0.309	0.108	2.853	4.3E-03	0.01501625	Ilf3
ENSMUSG00000059263	3616.462	0.309	0.104	2.987	2.8E-03	0.01022679	Usp47
ENSMUSG00000020719	45702.423	0.309	0.074	4.196	2.7E-05	0.0001407	Ddx5
ENSMUSG00000000826	6406.167	0.308	0.081	3.818	1.3E-04	0.00062699	Dnajc5
ENSMUSG00000032187	8626.991	0.308	0.088	3.515	4.4E-04	0.00186399	Smarca4
ENSMUSG00000026349	2589.963	0.308	0.103	2.982	2.9E-03	0.01036232	Ccnt2
ENSMUSG00000018481	4203.761	0.308	0.079	3.913	9.1E-05	0.00043477	Appbp2
ENSMUSG000000104913	790.010	0.308	0.118	2.604	9.2E-03	0.0291015	Gm6560
ENSMUSG00000034663	7474.855	0.308	0.126	2.448	1.4E-02	0.04299532	Bmp2k
ENSMUSG00000007564	18540.880	0.307	0.058	5.261	1.4E-07	1.0028E-06	Ppp2r1a

ENSMUSG00000031532	11097.679	0.307	0.072	4.239	2.2E-05	0.00011765	Saraf
ENSMUSG00000006276	2496.882	0.307	0.114	2.696	7.0E-03	0.02295867	Eps1511
ENSMUSG00000032504	13884.554	0.307	0.086	3.546	3.9E-04	0.00167787	Pcd6ip
ENSMUSG00000024566	2952.815	0.306	0.121	2.527	1.2E-02	0.03542441	Atp9b
ENSMUSG00000005506	6058.581	0.306	0.093	3.308	9.4E-04	0.00374776	Celf1
ENSMUSG00000001847	14193.538	0.306	0.089	3.440	5.8E-04	0.0024102	Rac1
ENSMUSG00000071379	8775.202	0.305	0.080	3.818	1.3E-04	0.00062686	Hpcal1
ENSMUSG00000026353	8730.366	0.305	0.069	4.450	8.6E-06	4.7998E-05	Ubxn4
ENSMUSG00000007815	24848.241	0.305	0.058	5.300	1.2E-07	8.2345E-07	Rhoa
ENSMUSG00000033379	38195.975	0.304	0.055	5.552	2.8E-08	2.1526E-07	Atp6v0b
ENSMUSG00000028232	1656.384	0.304	0.109	2.797	5.2E-03	0.01755117	Tmem68
ENSMUSG00000028760	6497.262	0.304	0.080	3.826	1.3E-04	0.00060794	Eif4g3
ENSMUSG00000040760	1932.939	0.304	0.109	2.798	5.1E-03	0.01753441	Appl1
ENSMUSG00000034342	4332.851	0.304	0.099	3.087	2.0E-03	0.00756232	Cbl
ENSMUSG00000020248	1913.333	0.303	0.091	3.346	8.2E-04	0.00330832	Nfyb
ENSMUSG00000018882	3430.397	0.303	0.095	3.200	1.4E-03	0.00531013	Mrpl45
ENSMUSG00000030695	108881.782	0.303	0.062	4.922	8.6E-07	5.4265E-06	Aldoa
ENSMUSG00000004843	3610.049	0.303	0.113	2.678	7.4E-03	0.02403746	Chmp2b
ENSMUSG00000056737	55792.567	0.303	0.081	3.758	1.7E-04	0.00078292	Capg
ENSMUSG00000030795	4061.450	0.302	0.127	2.388	1.7E-02	0.04967524	Fus
ENSMUSG00000029528	8718.423	0.301	0.108	2.778	5.5E-03	0.01847056	Pxn
ENSMUSG00000024400	3397.926	0.301	0.116	2.603	9.2E-03	0.02914386	Wdr33
ENSMUSG00000074746	1286.007	0.300	0.110	2.724	6.5E-03	0.02136161	Pdzd8
ENSMUSG00000003119	2859.347	0.300	0.104	2.875	4.0E-03	0.01406654	Cdk12
ENSMUSG00000020946	7577.593	0.299	0.095	3.150	1.6E-03	0.00621303	Gosr2
ENSMUSG00000024480	5010.075	0.299	0.068	4.426	9.6E-06	5.3272E-05	Ap3s1
ENSMUSG00000024672	45698.767	0.298	0.124	2.394	1.7E-02	0.04895288	Ms4a7
ENSMUSG00000115987	6487.034	0.297	0.082	3.615	3.0E-04	0.00131287	Vps28
ENSMUSG00000026319	2612.689	0.297	0.083	3.568	3.6E-04	0.00155029	Relch
ENSMUSG00000047843	13947.112	0.295	0.086	3.426	6.1E-04	0.00252932	Bri3
ENSMUSG00000030144	42884.408	0.295	0.118	2.500	1.2E-02	0.03784426	Clec4d
ENSMUSG00000029723	13052.036	0.295	0.079	3.715	2.0E-04	0.00091855	Tsc22d4
ENSMUSG00000058793	2944.125	0.295	0.107	2.758	5.8E-03	0.01945774	Cds2
ENSMUSG00000032407	3817.890	0.294	0.094	3.123	1.8E-03	0.00676472	U2surp
ENSMUSG00000025982	12769.063	0.294	0.076	3.897	9.7E-05	0.00046244	Sf3b1
ENSMUSG00000023932	1729.877	0.294	0.093	3.165	1.6E-03	0.00593258	Cdc5l
ENSMUSG00000015672	2105.427	0.294	0.109	2.694	7.1E-03	0.02308596	Mrpl32
ENSMUSG00000012848	19271.786	0.293	0.079	3.699	2.2E-04	0.00096959	Rps5
ENSMUSG00000021395	2692.545	0.293	0.090	3.276	1.1E-03	0.00416201	Spin1
ENSMUSG00000063200	4381.957	0.293	0.087	3.359	7.8E-04	0.00316118	Nol7
ENSMUSG00000042642	1682.779	0.293	0.096	3.044	2.3E-03	0.00859696	Flad1
ENSMUSG00000025192	2133.333	0.292	0.117	2.492	1.3E-02	0.03863358	Entpd7
ENSMUSG00000031010	4798.677	0.292	0.102	2.848	4.4E-03	0.01523969	Usp9x
ENSMUSG00000026553	13754.530	0.291	0.104	2.789	5.3E-03	0.01790861	Copa
ENSMUSG00000050079	2715.680	0.291	0.105	2.759	5.8E-03	0.01941792	Rspry1
ENSMUSG00000037266	18987.982	0.290	0.106	2.733	6.3E-03	0.02085013	Rsrp1
ENSMUSG00000002205	2703.107	0.290	0.089	3.272	1.1E-03	0.00421948	Vrk3
ENSMUSG00000079562	7140.735	0.290	0.078	3.709	2.1E-04	0.0009358	Maea
ENSMUSG00000035078	1836.285	0.290	0.111	2.616	8.9E-03	0.02823276	Mtmr9
ENSMUSG00000028416	13804.877	0.289	0.087	3.340	8.4E-04	0.00337019	Bag1
ENSMUSG00000031201	1674.375	0.289	0.109	2.661	7.8E-03	0.02516189	Brcc3
ENSMUSG00000029048	8508.816	0.289	0.069	4.152	3.3E-05	0.00016815	Rer1

ENSMUSG00000033623	1539.460	0.288	0.116	2.472	1.3E-02	0.04050786	Pcgf3
ENSMUSG00000041264	1835.430	0.287	0.111	2.589	9.6E-03	0.03019671	Usp11
ENSMUSG00000032212	3188.005	0.287	0.098	2.925	3.4E-03	0.01222152	Sltm
ENSMUSG00000011752	2974.158	0.287	0.100	2.862	4.2E-03	0.01463854	Pgam1
ENSMUSG00000039367	5262.072	0.287	0.101	2.844	4.4E-03	0.01538494	Sec24c
ENSMUSG00000028868	9007.348	0.286	0.081	3.528	4.2E-04	0.00178047	Wasf2
ENSMUSG00000020109	2329.160	0.286	0.114	2.501	1.2E-02	0.03773226	Dnajb12
ENSMUSG00000020311	1686.296	0.286	0.096	2.984	2.8E-03	0.01028442	Erlec1
ENSMUSG00000047180	6147.533	0.286	0.111	2.567	1.0E-02	0.03196881	Neurl3
ENSMUSG00000023104	3275.472	0.286	0.084	3.397	6.8E-04	0.00277952	Rfc2
ENSMUSG00000019432	7151.959	0.286	0.060	4.782	1.7E-06	1.0629E-05	Ddx39b
ENSMUSG00000029752	3869.962	0.285	0.092	3.104	1.9E-03	0.00717338	Asns
ENSMUSG00000028126	1738.987	0.285	0.117	2.436	1.5E-02	0.04430884	Pip5k1a
ENSMUSG00000031590	3891.431	0.284	0.075	3.789	1.5E-04	0.00069836	Frg1
ENSMUSG00000060038	2325.069	0.283	0.102	2.771	5.6E-03	0.01883082	Dhps
ENSMUSG00000013822	4289.028	0.283	0.098	2.888	3.9E-03	0.0135776	Elof1
ENSMUSG00000027447	52615.412	0.283	0.096	2.941	3.3E-03	0.0116645	Cst3
ENSMUSG00000030007	14204.871	0.283	0.067	4.229	2.3E-05	0.00012284	Cct7
ENSMUSG00000034832	4130.346	0.282	0.107	2.641	8.3E-03	0.0264784	Tet3
ENSMUSG00000060708	2315.489	0.282	0.116	2.434	1.5E-02	0.04449193	Bloc1s4
ENSMUSG00000038412	3311.961	0.280	0.110	2.555	1.1E-02	0.03297895	Higd1a
ENSMUSG00000039770	6807.265	0.280	0.091	3.079	2.1E-03	0.00774569	Ypel5
ENSMUSG00000063801	1617.782	0.280	0.110	2.545	1.1E-02	0.03385956	Ap3s2
ENSMUSG00000046836	3035.394	0.279	0.107	2.616	8.9E-03	0.02823465	Brox
ENSMUSG00000038462	8394.712	0.278	0.078	3.584	3.4E-04	0.00146523	Uqcrfs1
ENSMUSG00000021484	14078.893	0.278	0.047	5.943	2.8E-09	2.3637E-08	Lman2
ENSMUSG00000021832	6317.040	0.277	0.071	3.905	9.4E-05	0.00044918	Psmc6
ENSMUSG00000046805	16159.431	0.277	0.094	2.962	3.1E-03	0.01097532	Mpeg1
ENSMUSG00000028902	3272.375	0.277	0.103	2.694	7.1E-03	0.02308341	Sf3a3
ENSMUSG00000043962	3566.755	0.277	0.086	3.228	1.2E-03	0.00485715	Thrap3
ENSMUSG00000029004	4944.043	0.276	0.096	2.875	4.0E-03	0.0140847	Kmt2e
ENSMUSG00000001416	13170.757	0.276	0.068	4.090	4.3E-05	0.00021741	Cct3
ENSMUSG00000041629	5472.312	0.276	0.106	2.600	9.3E-03	0.02935005	Fam104a
ENSMUSG00000034341	13809.192	0.276	0.065	4.247	2.2E-05	0.00011386	Wbp2
ENSMUSG00000029198	6409.827	0.275	0.078	3.527	4.2E-04	0.00178746	Grpel1
ENSMUSG00000050812	1924.248	0.275	0.111	2.471	1.3E-02	0.04066676	Ecpas
ENSMUSG00000022185	1825.556	0.275	0.088	3.133	1.7E-03	0.00655108	Acin1
ENSMUSG00000004771	14646.536	0.274	0.085	3.216	1.3E-03	0.00504131	Rab11a
ENSMUSG00000026150	4681.948	0.274	0.058	4.706	2.5E-06	1.5204E-05	Mff
ENSMUSG00000022808	8699.716	0.274	0.090	3.037	2.4E-03	0.00878732	Snx4
ENSMUSG00000030779	2392.993	0.274	0.103	2.666	7.7E-03	0.02483511	Rbbp6
ENSMUSG00000026355	4341.971	0.273	0.082	3.340	8.4E-04	0.00337543	Mcm6
ENSMUSG00000025532	3084.876	0.273	0.068	4.013	6.0E-05	0.00029551	Crep
ENSMUSG00000056201	131046.877	0.272	0.050	5.398	6.7E-08	4.9021E-07	Cfl1
ENSMUSG00000020640	3514.562	0.272	0.075	3.645	2.7E-04	0.00118291	Itsn2
ENSMUSG00000068798	5121.006	0.272	0.082	3.315	9.2E-04	0.00365407	Rap1a
ENSMUSG00000036499	4138.440	0.271	0.092	2.951	3.2E-03	0.01135571	Eea1
ENSMUSG00000020993	3516.215	0.271	0.068	3.976	7.0E-05	0.00034165	Trappc6b
ENSMUSG00000021494	2818.998	0.271	0.097	2.797	5.2E-03	0.01753511	Ddx41
ENSMUSG00000032405	2346.122	0.270	0.104	2.605	9.2E-03	0.02903432	Pias1
ENSMUSG00000032293	1111.358	0.270	0.108	2.491	1.3E-02	0.03869356	Ireb2
ENSMUSG00000015355	9033.711	0.269	0.068	3.972	7.1E-05	0.00034661	Cd48

ENSMUSG00000025485	8697.334	0.269	0.072	3.711	2.1E-04	0.00093118	Ric8a
ENSMUSG00000067586	1732.571	0.269	0.099	2.702	6.9E-03	0.02260882	S1pr3
ENSMUSG00000034932	4918.621	0.268	0.093	2.890	3.9E-03	0.01349627	Mrp154
ENSMUSG00000022536	7200.010	0.267	0.092	2.891	3.8E-03	0.01344751	Glyr1
ENSMUSG00000039849	3273.055	0.267	0.080	3.337	8.5E-04	0.00340304	Pcif1
ENSMUSG00000068391	2357.690	0.267	0.076	3.503	4.6E-04	0.0019409	Chrac1
ENSMUSG00000014956	6229.794	0.266	0.081	3.292	9.9E-04	0.00394419	Ppp1cb
ENSMUSG00000013465	3957.399	0.266	0.107	2.488	1.3E-02	0.03897301	Nelfb
ENSMUSG00000038446	1740.609	0.264	0.093	2.825	4.7E-03	0.01624419	Cdc40
ENSMUSG00000015522	2152.470	0.262	0.109	2.396	1.7E-02	0.04879835	Arnt
ENSMUSG00000027455	3422.706	0.261	0.066	3.926	8.6E-05	0.00041474	Nsfl1c
ENSMUSG00000063524	46415.813	0.261	0.063	4.156	3.2E-05	0.00016555	Eno1
ENSMUSG00000003955	3916.992	0.261	0.107	2.427	1.5E-02	0.04534314	Fam162a
ENSMUSG00000091896	3769.845	0.259	0.080	3.253	1.1E-03	0.0044877	Ube2d2a
ENSMUSG00000063281	1194.008	0.259	0.108	2.398	1.6E-02	0.04856211	Zfp35
ENSMUSG00000030805	2462.142	0.259	0.108	2.386	1.7E-02	0.04989255	Stx4a
ENSMUSG00000071172	5809.848	0.257	0.065	3.939	8.2E-05	0.00039415	Srsf3
ENSMUSG00000022892	18183.609	0.256	0.087	2.938	3.3E-03	0.01176596	App
ENSMUSG00000032309	2458.041	0.256	0.094	2.735	6.2E-03	0.02073841	Fbxo22
ENSMUSG00000025027	5670.245	0.256	0.095	2.697	7.0E-03	0.02291367	Xpnp1
ENSMUSG00000060216	9721.497	0.255	0.099	2.583	9.8E-03	0.03064623	Arrb2
ENSMUSG00000022552	3650.060	0.254	0.079	3.218	1.3E-03	0.00501891	Sharpin
ENSMUSG00000056708	6333.419	0.253	0.092	2.766	5.7E-03	0.01906642	Ier5
ENSMUSG00000005683	11540.330	0.253	0.078	3.240	1.2E-03	0.00467351	Cs
ENSMUSG00000040028	12513.358	0.252	0.069	3.654	2.6E-04	0.00114588	Elavl1
ENSMUSG00000043939	4947.143	0.249	0.103	2.410	1.6E-02	0.0471675	A530064D06Rik
ENSMUSG00000041846	2608.106	0.249	0.104	2.387	1.7E-02	0.04974489	Ppp4r3a
ENSMUSG00000038366	13732.447	0.249	0.079	3.135	1.7E-03	0.00650822	Lasp1
ENSMUSG00000012422	5526.092	0.249	0.091	2.734	6.3E-03	0.0207718	Tmem167
ENSMUSG00000029440	2295.180	0.248	0.103	2.402	1.6E-02	0.04810432	Psmc9
ENSMUSG00000024797	2727.095	0.248	0.098	2.533	1.1E-02	0.03490584	Vps51
ENSMUSG00000003039	4898.430	0.248	0.094	2.644	8.2E-03	0.02627186	Fam32a
ENSMUSG00000022314	2615.424	0.247	0.102	2.416	1.6E-02	0.04645383	Rad21
ENSMUSG00000038909	2338.763	0.247	0.099	2.480	1.3E-02	0.03976978	Kat7
ENSMUSG00000043091	16269.018	0.247	0.081	3.056	2.2E-03	0.00830273	Tuba1c
ENSMUSG00000026728	59669.407	0.245	0.082	2.984	2.8E-03	0.01029304	Vim
ENSMUSG00000021737	9255.780	0.245	0.065	3.762	1.7E-04	0.00077226	Psmc6
ENSMUSG00000021241	3462.443	0.245	0.075	3.266	1.1E-03	0.00429263	Isca2
ENSMUSG00000026727	8762.759	0.245	0.070	3.508	4.5E-04	0.00190508	Rsu1
ENSMUSG00000026926	4556.785	0.244	0.093	2.612	9.0E-03	0.02852712	Pmpca
ENSMUSG00000018567	30950.609	0.243	0.071	3.421	6.2E-04	0.00257032	Gabarap
ENSMUSG00000030704	5989.994	0.243	0.074	3.262	1.1E-03	0.00436069	Rab6a
ENSMUSG00000057375	4689.146	0.242	0.089	2.708	6.8E-03	0.02226619	Yipf1
ENSMUSG00000040396	1641.361	0.240	0.100	2.412	1.6E-02	0.04695235	Abhd13
ENSMUSG00000070436	26023.157	0.238	0.093	2.553	1.1E-02	0.03311796	Serpinh1
ENSMUSG00000000290	39936.035	0.237	0.069	3.423	6.2E-04	0.00255353	Itgb2
ENSMUSG00000021037	8450.126	0.237	0.084	2.806	5.0E-03	0.0171494	Ahsa1
ENSMUSG00000075376	1636.269	0.236	0.090	2.617	8.9E-03	0.02818368	Rc3h2
ENSMUSG00000044715	2758.776	0.236	0.094	2.500	1.2E-02	0.03787697	Gskip
ENSMUSG00000026869	5608.838	0.235	0.093	2.533	1.1E-02	0.03486797	Psmc5
ENSMUSG00000016308	5986.306	0.234	0.057	4.095	4.2E-05	0.00021301	Ube2a
ENSMUSG00000026927	2815.741	0.233	0.071	3.292	9.9E-04	0.00394381	Entr1

ENSMUSG00000015149	8965.609	0.233	0.069	3.393	6.9E-04	0.00282393	Sirt2
ENSMUSG00000070697	3927.828	0.233	0.096	2.414	1.6E-02	0.04669268	Utp3
ENSMUSG00000004937	9167.762	0.233	0.075	3.082	2.1E-03	0.00766006	Sgta
ENSMUSG00000035227	15694.843	0.232	0.074	3.126	1.8E-03	0.00668918	Spes2
ENSMUSG00000055681	12264.234	0.232	0.050	4.608	4.1E-06	2.3832E-05	Cope
ENSMUSG00000020515	4077.641	0.232	0.091	2.559	1.1E-02	0.03266163	Cnot8
ENSMUSG00000019877	9401.535	0.231	0.088	2.612	9.0E-03	0.02849004	Serinc1
ENSMUSG00000021576	5667.679	0.230	0.092	2.502	1.2E-02	0.03767242	Pdcd6
ENSMUSG00000047407	6741.682	0.228	0.078	2.943	3.3E-03	0.01161546	Tgif1
ENSMUSG00000025289	4816.975	0.228	0.075	3.041	2.4E-03	0.00866995	Prdx4
ENSMUSG00000020133	6739.932	0.228	0.078	2.913	3.6E-03	0.01262186	2310011J03Rik
ENSMUSG00000015461	6379.531	0.227	0.090	2.508	1.2E-02	0.03716529	Atf6b
ENSMUSG00000050017	3504.550	0.226	0.089	2.542	1.1E-02	0.03409225	Pitpnb
ENSMUSG00000059040	2297.627	0.225	0.091	2.489	1.3E-02	0.03894928	Eno1b
ENSMUSG00000030738	9626.367	0.225	0.056	4.007	6.2E-05	0.0003033	Eif3c
ENSMUSG00000029622	80574.579	0.225	0.058	3.879	1.0E-04	0.00049595	Arpc1b
ENSMUSG00000026480	7255.656	0.225	0.060	3.744	1.8E-04	0.00082414	Ncf2
ENSMUSG00000027184	11300.365	0.225	0.085	2.639	8.3E-03	0.02663156	Caprin1
ENSMUSG00000027091	4312.512	0.224	0.080	2.783	5.4E-03	0.01824991	Zc3h15
ENSMUSG00000038991	8913.461	0.221	0.087	2.538	1.1E-02	0.03445467	Txndc5
ENSMUSG00000022205	10411.555	0.219	0.082	2.677	7.4E-03	0.02412327	Sub1
ENSMUSG00000025809	22830.487	0.219	0.078	2.791	5.3E-03	0.01784181	Itgb1
ENSMUSG00000041560	7267.583	0.219	0.079	2.770	5.6E-03	0.01886942	Nop53
ENSMUSG00000025130	51385.138	0.217	0.055	3.945	8.0E-05	0.00038416	P4hb
ENSMUSG00000020166	2640.418	0.216	0.088	2.455	1.4E-02	0.04228467	Cnot2
ENSMUSG00000022125	8853.572	0.216	0.083	2.611	9.0E-03	0.02858839	Cln5
ENSMUSG00000026753	5556.993	0.215	0.077	2.795	5.2E-03	0.01766712	Ppp6c
ENSMUSG00000000563	11268.172	0.213	0.064	3.325	8.8E-04	0.00353972	Atp5pb
ENSMUSG00000052214	2760.366	0.213	0.073	2.914	3.6E-03	0.01258728	Opa3
ENSMUSG00000036427	31122.504	0.212	0.065	3.255	1.1E-03	0.00445659	Gpi1
ENSMUSG00000026426	13401.455	0.211	0.081	2.606	9.2E-03	0.02895777	Arl8a
ENSMUSG00000040731	18733.222	0.211	0.069	3.058	2.2E-03	0.00825911	Eif4h
ENSMUSG00000035953	8949.441	0.210	0.081	2.593	9.5E-03	0.02991523	Pip4p1
ENSMUSG00000027620	17856.343	0.209	0.071	2.938	3.3E-03	0.0117712	Rbm39
ENSMUSG00000037361	4659.575	0.208	0.072	2.878	4.0E-03	0.01395635	Sf3b6
ENSMUSG00000036299	6449.866	0.208	0.079	2.638	8.3E-03	0.02668431	BC031181
ENSMUSG00000001445	1997.457	0.207	0.076	2.723	6.5E-03	0.0214341	Mrp110
ENSMUSG00000010110	4082.365	0.205	0.082	2.502	1.2E-02	0.03767242	Stx5a
ENSMUSG00000031622	9027.953	0.205	0.081	2.527	1.2E-02	0.03545702	Sin3b
ENSMUSG00000033335	18989.167	0.202	0.078	2.572	1.0E-02	0.03154332	Dnm2
ENSMUSG00000020612	27327.603	0.201	0.069	2.918	3.5E-03	0.01246052	Prkar1a
ENSMUSG00000025393	49420.313	0.195	0.045	4.317	1.6E-05	8.4996E-05	Atp5b
ENSMUSG00000052253	3327.931	0.195	0.073	2.659	7.8E-03	0.0252987	Zfp622
ENSMUSG00000028057	4455.088	0.194	0.081	2.398	1.6E-02	0.04857485	Rit1
ENSMUSG00000014769	13902.304	0.194	0.061	3.167	1.5E-03	0.00590156	Psmb1
ENSMUSG00000022283	20011.125	0.193	0.065	2.954	3.1E-03	0.01125275	Pabpc1
ENSMUSG00000009079	15842.193	0.189	0.065	2.915	3.6E-03	0.01256944	Ewsr1
ENSMUSG00000024594	4432.143	0.189	0.076	2.472	1.3E-02	0.0405999	Prrc1
ENSMUSG00000062825	63067.726	0.189	0.055	3.428	6.1E-04	0.00250926	Actg1
ENSMUSG00000073639	6381.182	0.187	0.064	2.919	3.5E-03	0.01243715	Rab18
ENSMUSG00000028757	18253.345	0.187	0.060	3.118	1.8E-03	0.00686219	Ddost
ENSMUSG00000059208	5924.540	0.184	0.072	2.561	1.0E-02	0.03243814	Hnrnpm

ENSMUSG00000025858	4142.067	0.182	0.073	2.473	1.3E-02	0.04044163	Get4
ENSMUSG00000027248	31390.898	0.181	0.072	2.510	1.2E-02	0.03693812	Pdia3
ENSMUSG00000025428	34487.417	0.178	0.057	3.129	1.8E-03	0.00663889	Atp5a1
ENSMUSG00000028277	7042.324	0.173	0.055	3.152	1.6E-03	0.00617488	Ube2j1
ENSMUSG00000021178	15397.799	0.170	0.065	2.604	9.2E-03	0.02912215	Psmc1
ENSMUSG00000020708	9812.099	0.165	0.062	2.665	7.7E-03	0.02486865	Psmc5
ENSMUSG00000024767	9655.757	0.164	0.065	2.534	1.1E-02	0.03479264	Otub1
ENSMUSG00000021546	23404.343	0.162	0.066	2.458	1.4E-02	0.04197215	Hnrnpk
ENSMUSG00000079426	19750.594	0.161	0.046	3.465	5.3E-04	0.00221405	Arpc4
ENSMUSG00000057236	10203.003	0.158	0.057	2.790	5.3E-03	0.01787264	Rbbp4
ENSMUSG00000024097	9543.346	0.154	0.059	2.593	9.5E-03	0.02991523	Srsf7
ENSMUSG00000047187	15170.626	0.150	0.060	2.516	1.2E-02	0.03642666	Rab2a
ENSMUSG00000024725	29611.960	0.143	0.053	2.687	7.2E-03	0.02348745	Ostf1
ENSMUSG00000019179	23062.397	-0.169	0.043	-3.960	7.5E-05	0.00036311	Mdh2
ENSMUSG00000030663	7427.632	-0.179	0.069	-2.612	9.0E-03	0.02852868	1110004F10Rik
ENSMUSG00000061032	9725.770	-0.180	0.074	-2.445	1.4E-02	0.04330484	Rrp1
ENSMUSG00000004849	9326.491	-0.183	0.064	-2.839	4.5E-03	0.0156118	Ap1s1
ENSMUSG00000025940	3029.782	-0.184	0.077	-2.387	1.7E-02	0.04978237	Tmem70
ENSMUSG00000029458	3200.629	-0.185	0.072	-2.579	9.9E-03	0.03101243	Brap
ENSMUSG00000044221	3236.119	-0.189	0.077	-2.470	1.4E-02	0.04074069	Grsf1
ENSMUSG00000019579	6165.724	-0.190	0.072	-2.648	8.1E-03	0.02602967	Mydgf
ENSMUSG00000045983	10821.838	-0.190	0.068	-2.791	5.3E-03	0.01783911	Eif4g1
ENSMUSG00000027170	5106.101	-0.190	0.078	-2.428	1.5E-02	0.0451606	Eif3m
ENSMUSG00000002014	7267.426	-0.192	0.079	-2.421	1.5E-02	0.04592155	Ssr4
ENSMUSG00000039886	6955.896	-0.194	0.075	-2.603	9.2E-03	0.02914386	Tmem120a
ENSMUSG00000006273	34824.393	-0.197	0.079	-2.480	1.3E-02	0.03977731	Atp6v1b2
ENSMUSG00000035325	11787.766	-0.198	0.073	-2.726	6.4E-03	0.02126416	Sec31a
ENSMUSG00000020074	4921.885	-0.199	0.083	-2.405	1.6E-02	0.04777981	Ccar1
ENSMUSG00000020376	11639.486	-0.200	0.067	-2.972	3.0E-03	0.01066978	Rnfl30
ENSMUSG00000037933	3287.598	-0.200	0.077	-2.607	9.1E-03	0.02887854	Bicd2
ENSMUSG00000021326	4986.791	-0.202	0.076	-2.650	8.0E-03	0.02589309	Trim27
ENSMUSG00000079111	8939.578	-0.203	0.075	-2.699	7.0E-03	0.02279499	Kdelr2
ENSMUSG00000039168	8225.068	-0.203	0.077	-2.633	8.5E-03	0.02708084	Dap
ENSMUSG00000026032	2370.591	-0.204	0.078	-2.616	8.9E-03	0.0282758	Ndufb3
ENSMUSG00000009687	27660.969	-0.209	0.083	-2.519	1.2E-02	0.03616598	Fxyd5
ENSMUSG00000052456	4145.439	-0.211	0.071	-2.967	3.0E-03	0.01082746	Get3
ENSMUSG00000020458	18560.401	-0.211	0.083	-2.563	1.0E-02	0.03230829	Rtn4
ENSMUSG00000038650	24155.806	-0.215	0.085	-2.513	1.2E-02	0.03668926	Rnh1
ENSMUSG00000025156	2876.979	-0.218	0.087	-2.512	1.2E-02	0.0368103	Gps1
ENSMUSG00000028156	4885.940	-0.220	0.078	-2.819	4.8E-03	0.01650219	Eif4e
ENSMUSG00000031954	3144.925	-0.220	0.086	-2.569	1.0E-02	0.03178787	Cfdp1
ENSMUSG00000026260	4829.388	-0.221	0.061	-3.607	3.1E-04	0.00135189	Ndufa10
ENSMUSG00000032353	6154.628	-0.222	0.086	-2.584	9.8E-03	0.03057276	Tmed3
ENSMUSG00000003072	13068.449	-0.222	0.066	-3.345	8.2E-04	0.00331885	Atp5d
ENSMUSG00000030357	5186.323	-0.226	0.081	-2.776	5.5E-03	0.01860216	Fkbp4
ENSMUSG00000024914	4139.964	-0.227	0.082	-2.766	5.7E-03	0.01906642	Drap1
ENSMUSG00000022553	6483.664	-0.227	0.068	-3.331	8.6E-04	0.00346577	Maf1
ENSMUSG00000027304	1874.167	-0.227	0.094	-2.409	1.6E-02	0.04729449	Rtf1
ENSMUSG00000022452	6698.044	-0.235	0.082	-2.853	4.3E-03	0.01499063	Smdt1
ENSMUSG00000022706	2841.585	-0.235	0.099	-2.390	1.7E-02	0.04944916	Mrpl40
ENSMUSG00000035772	1647.967	-0.237	0.085	-2.802	5.1E-03	0.01733276	Mrps2
ENSMUSG00000038510	1653.799	-0.238	0.091	-2.613	9.0E-03	0.02846748	Rpf2

ENSMUSG00000010376	8226.281	-0.238	0.085	-2.786	5.3E-03	0.0180796	Nedd8
ENSMUSG00000031696	12126.935	-0.239	0.095	-2.522	1.2E-02	0.03583664	Vps35
ENSMUSG00000030870	5141.937	-0.239	0.081	-2.954	3.1E-03	0.01124407	Ubfd1
ENSMUSG00000024614	2975.842	-0.242	0.098	-2.463	1.4E-02	0.04149019	Tmx3
ENSMUSG00000006024	14592.834	-0.242	0.066	-3.647	2.7E-04	0.00117347	Napa
ENSMUSG00000029432	2934.421	-0.244	0.102	-2.387	1.7E-02	0.04980173	Nipsnap2
ENSMUSG00000056888	5256.894	-0.244	0.082	-2.984	2.8E-03	0.01030974	Glipr1
ENSMUSG00000002635	1941.981	-0.245	0.098	-2.493	1.3E-02	0.03853484	Pdcd21
ENSMUSG00000028478	23321.625	-0.245	0.055	-4.485	7.3E-06	4.1201E-05	Clta
ENSMUSG00000007721	5351.508	-0.245	0.076	-3.209	1.3E-03	0.00515508	Ccdc124
ENSMUSG00000058076	4376.697	-0.245	0.076	-3.207	1.3E-03	0.00518858	Sdhc
ENSMUSG00000026305	9259.946	-0.245	0.070	-3.522	4.3E-04	0.00181732	Lrrfip1
ENSMUSG00000053253	4559.228	-0.245	0.082	-2.978	2.9E-03	0.01049275	Ndfip2
ENSMUSG00000037058	6254.697	-0.247	0.073	-3.388	7.0E-04	0.00286902	Paip2
ENSMUSG00000022247	3042.025	-0.247	0.083	-2.963	3.0E-03	0.01093734	Brix1
ENSMUSG00000030059	6304.909	-0.247	0.085	-2.922	3.5E-03	0.01232561	Tmf1
ENSMUSG00000028788	15342.734	-0.248	0.089	-2.775	5.5E-03	0.01863382	Ptp4a2
ENSMUSG00000032480	3374.808	-0.248	0.104	-2.392	1.7E-02	0.04917533	Dhx30
ENSMUSG00000020432	11353.768	-0.249	0.101	-2.457	1.4E-02	0.04210012	Tcn2
ENSMUSG00000075229	1050.927	-0.250	0.095	-2.629	8.6E-03	0.02736933	Ccdc58
ENSMUSG00000070544	7864.463	-0.250	0.078	-3.211	1.3E-03	0.00513189	Top1
ENSMUSG00000029599	4269.482	-0.251	0.082	-3.046	2.3E-03	0.00854361	Ddx54
ENSMUSG00000036104	1926.549	-0.251	0.100	-2.511	1.2E-02	0.03683849	Rab3gap1
ENSMUSG00000004394	3498.247	-0.252	0.083	-3.043	2.3E-03	0.00864209	Tmed4
ENSMUSG00000017188	6354.227	-0.253	0.083	-3.058	2.2E-03	0.00824444	Coa3
ENSMUSG00000018189	3025.874	-0.253	0.103	-2.453	1.4E-02	0.04245883	Uchl5
ENSMUSG00000028136	4388.218	-0.253	0.093	-2.721	6.5E-03	0.02153291	Snx27
ENSMUSG00000020477	4477.223	-0.254	0.094	-2.695	7.0E-03	0.02300858	Mrps24
ENSMUSG00000025854	31368.905	-0.255	0.101	-2.528	1.1E-02	0.03531206	Fam20c
ENSMUSG00000004677	4203.809	-0.255	0.097	-2.636	8.4E-03	0.02689045	Myo9b
ENSMUSG00000020358	10367.675	-0.256	0.068	-3.763	1.7E-04	0.00076878	Hnrnpab
ENSMUSG00000031711	1722.683	-0.256	0.095	-2.686	7.2E-03	0.02357922	Zfp330
ENSMUSG00000001211	4270.403	-0.256	0.104	-2.461	1.4E-02	0.04172006	Agpat3
ENSMUSG00000021610	8174.945	-0.257	0.076	-3.391	7.0E-04	0.00283629	Clptm11
ENSMUSG00000047613	2331.877	-0.258	0.097	-2.665	7.7E-03	0.02487726	A430005L14Rik
ENSMUSG00000008763	2644.473	-0.259	0.102	-2.542	1.1E-02	0.03411647	Man1a2
ENSMUSG00000025968	2322.262	-0.260	0.093	-2.805	5.0E-03	0.0172085	Ndufs1
ENSMUSG00000029484	13319.224	-0.260	0.085	-3.052	2.3E-03	0.00839362	Anxa3
ENSMUSG00000118346	4248.106	-0.260	0.092	-2.833	4.6E-03	0.01586129	Tmem179b
ENSMUSG00000038416	3088.045	-0.260	0.097	-2.673	7.5E-03	0.02435893	Cdc16
ENSMUSG00000003813	3100.779	-0.260	0.099	-2.623	8.7E-03	0.02776607	Rad23a
ENSMUSG00000015971	2038.344	-0.263	0.103	-2.563	1.0E-02	0.03230829	Actr8
ENSMUSG00000038141	1148.245	-0.263	0.103	-2.564	1.0E-02	0.03218659	Tmem181a
ENSMUSG00000036023	2433.868	-0.263	0.106	-2.472	1.3E-02	0.04057793	Parp2
ENSMUSG00000028070	4263.064	-0.263	0.073	-3.605	3.1E-04	0.00135954	Naxe
ENSMUSG00000040613	17543.624	-0.263	0.106	-2.492	1.3E-02	0.03865789	Apobec1
ENSMUSG00000028559	5755.416	-0.264	0.105	-2.521	1.2E-02	0.03596968	Osbp19
ENSMUSG00000034928	7040.350	-0.264	0.094	-2.811	4.9E-03	0.01690661	Rnf44
ENSMUSG00000048440	1234.135	-0.265	0.106	-2.488	1.3E-02	0.03901425	Cyp4fl6
ENSMUSG00000034189	5220.091	-0.266	0.083	-3.209	1.3E-03	0.00515508	Hsd11
ENSMUSG00000019494	6713.744	-0.267	0.067	-3.998	6.4E-05	0.00031352	Cops6
ENSMUSG00000000827	4325.024	-0.267	0.066	-4.049	5.2E-05	0.00025679	Tpd5212

ENSMUSG0000006299	7716.432	-0.268	0.061	-4.378	1.2E-05	6.5632E-05	Aamp
ENSMUSG00000018921	1378.672	-0.269	0.110	-2.438	1.5E-02	0.0440442	Pelp1
ENSMUSG00000026434	3567.471	-0.269	0.080	-3.381	7.2E-04	0.0029409	Nucks1
ENSMUSG00000063235	1375.500	-0.270	0.102	-2.646	8.1E-03	0.02615349	Ptpmt1
ENSMUSG00000070520	2298.342	-0.272	0.091	-2.985	2.8E-03	0.0102798	Nsmce3
ENSMUSG00000033845	2928.772	-0.272	0.089	-3.070	2.1E-03	0.00796799	Mrpl15
ENSMUSG00000061559	4215.465	-0.273	0.084	-3.243	1.2E-03	0.00463038	Wdr61
ENSMUSG00000024902	1544.550	-0.274	0.110	-2.490	1.3E-02	0.03884137	Mrpl11
ENSMUSG00000028676	3238.145	-0.274	0.085	-3.241	1.2E-03	0.00465827	Srsf10
ENSMUSG00000027282	8452.900	-0.274	0.075	-3.649	2.6E-04	0.00116421	Mtch2
ENSMUSG00000036371	10939.896	-0.274	0.072	-3.794	1.5E-04	0.00068658	Serbp1
ENSMUSG00000005378	3395.060	-0.275	0.082	-3.357	7.9E-04	0.00318888	Bud23
ENSMUSG00000057113	13677.163	-0.276	0.068	-4.057	5.0E-05	0.00024879	Npm1
ENSMUSG000000118664	2312.323	-0.276	0.110	-2.515	1.2E-02	0.03648665	AC168314.1
ENSMUSG00000002395	4259.293	-0.277	0.089	-3.092	2.0E-03	0.00744596	Use1
ENSMUSG00000008301	2120.710	-0.277	0.103	-2.684	7.3E-03	0.02367665	Phax
ENSMUSG00000038095	4939.950	-0.277	0.101	-2.743	6.1E-03	0.02028826	Sbno1
ENSMUSG00000031516	1885.164	-0.279	0.095	-2.937	3.3E-03	0.01181291	Dctn6
ENSMUSG00000015749	2657.801	-0.279	0.098	-2.858	4.3E-03	0.01478257	Anp32e
ENSMUSG00000006390	11513.105	-0.279	0.075	-3.732	1.9E-04	0.00086218	Elov11
ENSMUSG00000049932	6404.898	-0.279	0.114	-2.454	1.4E-02	0.04243401	H2ax
ENSMUSG00000055302	13252.401	-0.280	0.063	-4.465	8.0E-06	4.5073E-05	Mrfap1
ENSMUSG00000043716	13386.831	-0.281	0.113	-2.485	1.3E-02	0.03930451	Rpl7
ENSMUSG00000027365	1992.562	-0.281	0.116	-2.413	1.6E-02	0.04679775	Trpm7
ENSMUSG00000098923	3476.767	-0.281	0.082	-3.437	5.9E-04	0.00243121	Tmem185b
ENSMUSG00000034994	20616.335	-0.281	0.066	-4.282	1.9E-05	9.8423E-05	Eef2
ENSMUSG00000041075	1804.206	-0.282	0.107	-2.622	8.7E-03	0.02781467	Fzd7
ENSMUSG00000023170	2452.125	-0.282	0.098	-2.882	3.9E-03	0.01378905	Gps2
ENSMUSG00000063065	5723.104	-0.282	0.100	-2.818	4.8E-03	0.01657132	Mapk3
ENSMUSG00000020076	1724.581	-0.282	0.097	-2.916	3.5E-03	0.01252695	Ddx50
ENSMUSG00000054408	7133.164	-0.282	0.097	-2.903	3.7E-03	0.01298849	Spcs3
ENSMUSG00000021224	2569.510	-0.283	0.101	-2.798	5.1E-03	0.01753281	Numb
ENSMUSG00000007029	3698.076	-0.283	0.118	-2.398	1.6E-02	0.04853831	Vars
ENSMUSG00000055817	1976.316	-0.283	0.114	-2.478	1.3E-02	0.0400068	Mta3
ENSMUSG00000022561	3666.393	-0.283	0.081	-3.490	4.8E-04	0.00203329	Gpaa1
ENSMUSG00000079557	5241.399	-0.284	0.100	-2.846	4.4E-03	0.01530002	Marchf2
ENSMUSG00000021939	907420.237	-0.284	0.091	-3.126	1.8E-03	0.00668522	Ctsb
ENSMUSG00000074886	2657.021	-0.285	0.115	-2.473	1.3E-02	0.04045415	Grk6
ENSMUSG00000021550	4548.421	-0.285	0.106	-2.688	7.2E-03	0.02345567	2210016F16Rik
ENSMUSG00000061479	3718.808	-0.285	0.113	-2.530	1.1E-02	0.03518644	Snrpa
ENSMUSG00000038418	7614.179	-0.285	0.102	-2.796	5.2E-03	0.01759641	Egr1
ENSMUSG00000019777	3186.150	-0.285	0.080	-3.587	3.3E-04	0.00145229	Hdac2
ENSMUSG00000004455	1845.155	-0.287	0.090	-3.186	1.4E-03	0.0055537	Ppp1cc
ENSMUSG00000032437	5945.995	-0.287	0.106	-2.692	7.1E-03	0.02318192	Stt3b
ENSMUSG00000078348	5476.011	-0.287	0.095	-3.009	2.6E-03	0.00954313	Sf3b5
ENSMUSG00000019837	1406.776	-0.287	0.102	-2.810	5.0E-03	0.01693066	Gtf3c6
ENSMUSG00000024483	1480.916	-0.289	0.106	-2.732	6.3E-03	0.02090499	Ankhd1
ENSMUSG00000027163	1668.456	-0.289	0.117	-2.475	1.3E-02	0.0403387	Commd9
ENSMUSG00000021252	1891.237	-0.290	0.095	-3.048	2.3E-03	0.00850725	Erg28
ENSMUSG00000023942	5206.953	-0.290	0.110	-2.650	8.1E-03	0.02591693	Slc29a1
ENSMUSG00000063015	5599.560	-0.290	0.094	-3.093	2.0E-03	0.00741089	Ccni
ENSMUSG00000023883	1190.734	-0.291	0.113	-2.580	9.9E-03	0.03092415	Phf10

ENSMUSG00000034345	3546.258	-0.291	0.090	-3.239	1.2E-03	0.00468779	Gtf2h5
ENSMUSG00000024947	1749.973	-0.291	0.106	-2.755	5.9E-03	0.01961268	Men1
ENSMUSG00000017778	2338.993	-0.292	0.114	-2.569	1.0E-02	0.03175799	Cox7c
ENSMUSG00000086503	5116.084	-0.293	0.095	-3.093	2.0E-03	0.00740944	Xist
ENSMUSG00000030934	5475.978	-0.293	0.100	-2.938	3.3E-03	0.01177125	Oat
ENSMUSG00000031299	2767.874	-0.293	0.106	-2.774	5.5E-03	0.0186575	Pdha1
ENSMUSG00000029684	1294.862	-0.294	0.111	-2.644	8.2E-03	0.02628404	Wasl
ENSMUSG00000002320	2532.016	-0.294	0.093	-3.178	1.5E-03	0.00569467	Tm9sf1
ENSMUSG00000058099	11480.638	-0.295	0.098	-3.009	2.6E-03	0.00956498	Nfam1
ENSMUSG00000007656	4382.322	-0.295	0.094	-3.128	1.8E-03	0.00665546	Arpp19
ENSMUSG00000023904	2314.182	-0.296	0.102	-2.895	3.8E-03	0.0133095	Hcfc1r1
ENSMUSG00000015243	3965.621	-0.296	0.119	-2.480	1.3E-02	0.03983018	Abca1
ENSMUSG00000030965	2502.895	-0.296	0.120	-2.466	1.4E-02	0.04108799	Abraxas2
ENSMUSG00000031672	2671.375	-0.297	0.099	-3.003	2.7E-03	0.00971584	Got2
ENSMUSG00000049940	2338.566	-0.297	0.088	-3.374	7.4E-04	0.003008	Pgrmc2
ENSMUSG00000020402	7516.167	-0.297	0.082	-3.625	2.9E-04	0.00127022	Vdac1
ENSMUSG00000040423	2259.909	-0.297	0.110	-2.713	6.7E-03	0.02203029	Rc3h1
ENSMUSG00000024099	6935.242	-0.298	0.066	-4.526	6.0E-06	3.4411E-05	Ndufv2
ENSMUSG00000002949	2492.987	-0.298	0.107	-2.774	5.5E-03	0.0186575	Timm44
ENSMUSG00000009563	2692.665	-0.298	0.116	-2.572	1.0E-02	0.03153577	Tor2a
ENSMUSG00000030842	14239.687	-0.298	0.088	-3.384	7.1E-04	0.00290587	Lamtor1
ENSMUSG00000029319	2059.231	-0.300	0.113	-2.658	7.9E-03	0.02533362	Coq2
ENSMUSG00000059278	1008.908	-0.300	0.114	-2.625	8.7E-03	0.02759443	Naa38
ENSMUSG00000032388	9924.422	-0.300	0.066	-4.549	5.4E-06	3.0989E-05	Spg21
ENSMUSG00000024870	17135.765	-0.300	0.059	-5.063	4.1E-07	2.7216E-06	Rab1b
ENSMUSG00000045624	1338.659	-0.300	0.106	-2.834	4.6E-03	0.01584592	Esfl
ENSMUSG00000037376	1576.610	-0.301	0.114	-2.632	8.5E-03	0.02715948	Trmt6
ENSMUSG00000046432	1457.894	-0.301	0.124	-2.430	1.5E-02	0.04496481	Bex3
ENSMUSG00000029623	2569.733	-0.301	0.108	-2.791	5.3E-03	0.01785027	Pdap1
ENSMUSG00000018379	6250.192	-0.301	0.088	-3.445	5.7E-04	0.00236869	Srsfl
ENSMUSG00000005981	2837.675	-0.301	0.113	-2.670	7.6E-03	0.02460229	Trap1
ENSMUSG00000022407	3729.980	-0.302	0.119	-2.549	1.1E-02	0.03352957	Adsl
ENSMUSG00000041958	4815.485	-0.304	0.067	-4.541	5.6E-06	3.2068E-05	Pigs
ENSMUSG00000006731	3443.661	-0.305	0.093	-3.279	1.0E-03	0.00412238	B4galnt1
ENSMUSG000000110841	796.128	-0.305	0.107	-2.837	4.6E-03	0.01572176	Gpx4-ps2
ENSMUSG00000029632	8716.342	-0.305	0.110	-2.764	5.7E-03	0.01918652	Ndufa4
ENSMUSG00000005204	2070.531	-0.306	0.097	-3.147	1.6E-03	0.0062719	Senp3
ENSMUSG000000061306	5618.358	-0.306	0.103	-2.971	3.0E-03	0.01069426	Slc38a10
ENSMUSG00000049299	2321.041	-0.306	0.099	-3.080	2.1E-03	0.00771246	Trappc1
ENSMUSG00000018412	2344.227	-0.307	0.123	-2.496	1.3E-02	0.03822215	Kansl1
ENSMUSG00000019297	2660.044	-0.307	0.114	-2.686	7.2E-03	0.02358053	Nop9
ENSMUSG00000003500	2937.755	-0.308	0.115	-2.675	7.5E-03	0.02424268	Impdh1
ENSMUSG00000003099	4390.304	-0.308	0.092	-3.367	7.6E-04	0.00308301	Ppp5c
ENSMUSG00000027671	2303.892	-0.311	0.103	-3.008	2.6E-03	0.00959326	Actl6a
ENSMUSG00000002031	1109.085	-0.311	0.124	-2.499	1.2E-02	0.03795165	Ift46
ENSMUSG00000010609	3417.618	-0.311	0.112	-2.775	5.5E-03	0.01863537	Psen2
ENSMUSG00000020537	2684.275	-0.311	0.103	-3.011	2.6E-03	0.00950813	Drg2
ENSMUSG00000027011	3296.705	-0.311	0.129	-2.412	1.6E-02	0.04691001	Ube2e3
ENSMUSG00000102869	2050.194	-0.312	0.126	-2.473	1.3E-02	0.04046602	Norad
ENSMUSG00000048758	4634.393	-0.312	0.109	-2.860	4.2E-03	0.01471247	Rpl29
ENSMUSG00000059586	2382.158	-0.313	0.089	-3.531	4.1E-04	0.00176116	Nsmce2
ENSMUSG00000028869	2559.638	-0.314	0.104	-3.023	2.5E-03	0.00916449	Gnl2

ENSMUSG00000029426	6858.912	-0.314	0.093	-3.371	7.5E-04	0.00303438	Scarb2
ENSMUSG00000036599	3972.313	-0.314	0.104	-3.014	2.6E-03	0.00941869	Chst12
ENSMUSG000000081406	433.435	-0.314	0.124	-2.527	1.2E-02	0.03545559	Rps6-ps4
ENSMUSG000000029128	2107.769	-0.314	0.120	-2.627	8.6E-03	0.02745242	Rab28
ENSMUSG000000031007	17280.599	-0.315	0.074	-4.265	2.0E-05	0.00010548	Atp6ap2
ENSMUSG000000022119	2218.834	-0.315	0.104	-3.037	2.4E-03	0.00879301	Rbm26
ENSMUSG000000024875	4475.038	-0.315	0.097	-3.239	1.2E-03	0.00469495	Yif1a
ENSMUSG000000020238	8021.172	-0.315	0.076	-4.144	3.4E-05	0.00017346	Ncln
ENSMUSG000000069020	1449.117	-0.315	0.126	-2.502	1.2E-02	0.03767242	Urm1
ENSMUSG000000044148	2194.981	-0.315	0.122	-2.591	9.6E-03	0.03009561	1810030O07Rik
ENSMUSG000000028639	22357.297	-0.316	0.075	-4.217	2.5E-05	0.00012863	Ybx1
ENSMUSG000000028719	10258.537	-0.316	0.091	-3.468	5.3E-04	0.00219242	Cmpk1
ENSMUSG000000026857	1531.031	-0.316	0.124	-2.547	1.1E-02	0.03363357	Ntmt1
ENSMUSG000000000355	1597.592	-0.316	0.103	-3.081	2.1E-03	0.00769073	Mcts1
ENSMUSG000000022516	1503.897	-0.318	0.116	-2.748	6.0E-03	0.02002053	Nudt16l1
ENSMUSG000000023068	2718.054	-0.318	0.101	-3.143	1.7E-03	0.00634725	Nus1
ENSMUSG000000054312	2473.017	-0.319	0.119	-2.669	7.6E-03	0.02461718	Mrps21
ENSMUSG000000026737	2381.032	-0.319	0.115	-2.769	5.6E-03	0.01892823	Pip4k2a
ENSMUSG000000030846	1950.406	-0.320	0.108	-2.958	3.1E-03	0.01112104	Tial1
ENSMUSG000000021810	2846.159	-0.320	0.130	-2.454	1.4E-02	0.04238623	Ecd
ENSMUSG000000074802	2409.661	-0.320	0.113	-2.841	4.5E-03	0.01551588	Gas2l3
ENSMUSG000000026743	1295.351	-0.321	0.117	-2.743	6.1E-03	0.02028695	Mllt10
ENSMUSG000000032553	3308.301	-0.321	0.119	-2.696	7.0E-03	0.0229943	Srprb
ENSMUSG000000058704	3316.879	-0.321	0.096	-3.350	8.1E-04	0.003266	Memol
ENSMUSG000000053565	8268.496	-0.322	0.069	-4.637	3.5E-06	2.0855E-05	Eif3k
ENSMUSG000000035242	10504.752	-0.322	0.086	-3.755	1.7E-04	0.00079255	Oaz1
ENSMUSG000000047921	1680.562	-0.322	0.125	-2.573	1.0E-02	0.03142705	Trappc9
ENSMUSG000000022841	15485.081	-0.323	0.083	-3.889	1.0E-04	0.00047698	Ap2m1
ENSMUSG000000031168	2524.966	-0.323	0.106	-3.045	2.3E-03	0.0085825	Ebp
ENSMUSG000000021504	2038.485	-0.323	0.107	-3.012	2.6E-03	0.00948558	B4galt7
ENSMUSG000000039756	3859.090	-0.323	0.091	-3.563	3.7E-04	0.00157918	Dnttip2
ENSMUSG000000033863	1174.182	-0.323	0.129	-2.504	1.2E-02	0.03753478	Klf9
ENSMUSG000000000751	2417.789	-0.323	0.110	-2.927	3.4E-03	0.0121706	Rpa1
ENSMUSG000000030798	4804.877	-0.325	0.085	-3.807	1.4E-04	0.00065173	Cd37
ENSMUSG000000020485	2315.611	-0.325	0.123	-2.651	8.0E-03	0.02586561	Supt4a
ENSMUSG000000029250	2332.318	-0.325	0.124	-2.629	8.6E-03	0.02735285	Polr2b
ENSMUSG000000029701	1733.587	-0.325	0.106	-3.067	2.2E-03	0.00802642	Rbm28
ENSMUSG000000063273	2569.108	-0.325	0.117	-2.779	5.4E-03	0.01841615	Naa15
ENSMUSG000000021361	9295.477	-0.326	0.064	-5.100	3.4E-07	2.2695E-06	Tmem14c
ENSMUSG000000024493	2400.407	-0.326	0.119	-2.733	6.3E-03	0.02087019	Lars
ENSMUSG000000063077	4257.108	-0.326	0.133	-2.446	1.4E-02	0.04324204	Kif1b
ENSMUSG000000058050	629.416	-0.326	0.120	-2.707	6.8E-03	0.02238034	Gm9234
ENSMUSG000000041236	3576.517	-0.326	0.112	-2.900	3.7E-03	0.01312921	Vps41
ENSMUSG000000031885	3500.896	-0.327	0.115	-2.840	4.5E-03	0.01558513	Cbfb
ENSMUSG000000025034	8210.293	-0.327	0.088	-3.731	1.9E-04	0.00086518	Trim8
ENSMUSG000000040548	1748.648	-0.328	0.126	-2.608	9.1E-03	0.02878039	Tex2
ENSMUSG000000031231	4287.224	-0.328	0.137	-2.390	1.7E-02	0.0494217	Cox7b
ENSMUSG000000034620	2277.231	-0.329	0.096	-3.429	6.0E-04	0.00249586	Rxylt1
ENSMUSG000000021131	3471.809	-0.329	0.093	-3.548	3.9E-04	0.00166669	Erh
ENSMUSG000000028672	5521.474	-0.330	0.093	-3.534	4.1E-04	0.00174733	Hmgcl
ENSMUSG000000022761	1480.855	-0.331	0.110	-3.009	2.6E-03	0.00954313	Lztr1
ENSMUSG000000003166	1211.368	-0.331	0.124	-2.679	7.4E-03	0.02401488	Dgcr2

ENSMUSG0000004945	2071.232	-0.332	0.120	-2.762	5.8E-03	0.01929415	Tmem242
ENSMUSG00000026966	4469.576	-0.332	0.081	-4.082	4.5E-05	0.00022407	Ssna1
ENSMUSG00000041881	6602.082	-0.332	0.111	-2.982	2.9E-03	0.01034691	Ndufa7
ENSMUSG00000030045	1749.431	-0.333	0.115	-2.890	3.9E-03	0.01348602	Mrpl19
ENSMUSG00000031347	1405.040	-0.333	0.104	-3.211	1.3E-03	0.00512838	Cetn2
ENSMUSG00000036860	1743.275	-0.333	0.137	-2.439	1.5E-02	0.04394612	Mrpl55
ENSMUSG00000052299	1307.094	-0.334	0.114	-2.923	3.5E-03	0.01228498	Ltn1
ENSMUSG00000022174	10406.782	-0.334	0.088	-3.785	1.5E-04	0.00071019	Dad1
ENSMUSG00000037280	2605.343	-0.335	0.104	-3.218	1.3E-03	0.00501889	Galnt6
ENSMUSG00000022241	3996.934	-0.335	0.094	-3.556	3.8E-04	0.0016173	Tars
ENSMUSG00000031848	4213.331	-0.335	0.085	-3.945	8.0E-05	0.00038507	Lsm4
ENSMUSG00000005566	6183.542	-0.336	0.094	-3.571	3.6E-04	0.001533	Trim28
ENSMUSG00000052738	4897.533	-0.336	0.079	-4.271	1.9E-05	0.000103	Suclg1
ENSMUSG00000007836	3092.957	-0.337	0.123	-2.732	6.3E-03	0.02089857	Hnrnpa0
ENSMUSG00000026755	3047.684	-0.337	0.079	-4.244	2.2E-05	0.00011563	Arpc51
ENSMUSG00000007659	15041.670	-0.338	0.098	-3.462	5.4E-04	0.00223939	Bcl211
ENSMUSG00000024286	1828.849	-0.338	0.134	-2.513	1.2E-02	0.03665999	Ccny
ENSMUSG00000070056	3239.889	-0.338	0.122	-2.769	5.6E-03	0.01894215	Mfhas1
ENSMUSG00000026020	2889.820	-0.338	0.121	-2.784	5.4E-03	0.01816583	Nop58
ENSMUSG00000091512	4366.108	-0.338	0.078	-4.320	1.6E-05	8.3935E-05	Lamtor3
ENSMUSG00000026427	1056.703	-0.339	0.140	-2.424	1.5E-02	0.04567296	Eif2d
ENSMUSG00000034120	4791.778	-0.340	0.074	-4.600	4.2E-06	2.4616E-05	Srsf2
ENSMUSG00000063787	2634.675	-0.340	0.103	-3.302	9.6E-04	0.00381497	Chchd1
ENSMUSG00000027405	3690.006	-0.340	0.100	-3.413	6.4E-04	0.00263489	Nop56
ENSMUSG00000070319	8323.003	-0.340	0.077	-4.416	1.0E-05	5.5663E-05	Eif3g
ENSMUSG00000070934	5018.193	-0.341	0.105	-3.243	1.2E-03	0.00463152	Rraga
ENSMUSG00000028081	7386.656	-0.341	0.091	-3.735	1.9E-04	0.00085392	Rps3a1
ENSMUSG00000055116	574.960	-0.341	0.142	-2.402	1.6E-02	0.04810432	Arntl
ENSMUSG00000022437	6063.931	-0.342	0.064	-5.336	9.5E-08	6.7994E-07	Samm50
ENSMUSG00000000787	2066.660	-0.342	0.101	-3.378	7.3E-04	0.00296428	Ddx3x
ENSMUSG00000031967	3417.434	-0.342	0.108	-3.161	1.6E-03	0.00600652	Afg311
ENSMUSG00000032897	1231.556	-0.342	0.121	-2.836	4.6E-03	0.0157323	Nfyc
ENSMUSG00000031226	3012.819	-0.342	0.089	-3.865	1.1E-04	0.00052362	Pbdc1
ENSMUSG00000037523	2476.330	-0.343	0.107	-3.213	1.3E-03	0.00508821	Mavs
ENSMUSG00000024587	8917.313	-0.343	0.064	-5.358	8.4E-08	6.0747E-07	Nars
ENSMUSG00000033454	1185.278	-0.343	0.129	-2.666	7.7E-03	0.02481302	Zbtb1
ENSMUSG00000022667	4089.510	-0.344	0.128	-2.687	7.2E-03	0.02348745	Cd200r1
ENSMUSG00000022337	3026.181	-0.344	0.096	-3.586	3.4E-04	0.00145804	Emc2
ENSMUSG00000040112	1201.645	-0.344	0.115	-2.995	2.7E-03	0.00995956	Mrps35
ENSMUSG00000027763	17315.734	-0.344	0.126	-2.739	6.2E-03	0.0204901	Mbn11
ENSMUSG00000027708	1410.715	-0.345	0.115	-2.995	2.7E-03	0.00998197	Dcun1d1
ENSMUSG00000025825	4170.029	-0.345	0.068	-5.070	4.0E-07	2.6198E-06	Iscu
ENSMUSG00000053841	3093.984	-0.346	0.098	-3.522	4.3E-04	0.00182102	Txlna
ENSMUSG00000025351	52242.048	-0.346	0.077	-4.470	7.8E-06	4.407E-05	Cd63
ENSMUSG00000056629	4217.419	-0.346	0.105	-3.304	9.5E-04	0.003799	Fkbp2
ENSMUSG00000010911	1401.386	-0.346	0.119	-2.910	3.6E-03	0.0127343	Apip
ENSMUSG00000041733	1983.710	-0.346	0.098	-3.542	4.0E-04	0.00169606	Coq5
ENSMUSG00000039230	1772.771	-0.347	0.111	-3.122	1.8E-03	0.00678786	Tbcd
ENSMUSG00000028464	4854.770	-0.347	0.112	-3.087	2.0E-03	0.00754914	Tpm2
ENSMUSG00000020171	2089.506	-0.347	0.099	-3.492	4.8E-04	0.00201371	Yeats4
ENSMUSG00000042197	1195.440	-0.347	0.142	-2.440	1.5E-02	0.04389933	Zfp451
ENSMUSG00000062929	1792.099	-0.347	0.102	-3.411	6.5E-04	0.00265601	Cfl2

ENSMUSG00000026393	4385.397	-0.347	0.089	-3.901	9.6E-05	0.00045471	Nek7
ENSMUSG00000022462	5212.006	-0.347	0.107	-3.253	1.1E-03	0.0044877	Slc38a2
ENSMUSG00000054808	12468.635	-0.347	0.074	-4.687	2.8E-06	1.6581E-05	Actn4
ENSMUSG00000042997	1668.198	-0.348	0.114	-3.056	2.2E-03	0.00830578	Nhlrc3
ENSMUSG00000049960	2043.329	-0.349	0.109	-3.193	1.4E-03	0.00542541	Mrps16
ENSMUSG00000021606	5324.363	-0.349	0.109	-3.207	1.3E-03	0.00518858	Ndufs6
ENSMUSG00000052833	5248.843	-0.349	0.088	-3.992	6.5E-05	0.00032083	Sae1
ENSMUSG00000030869	1280.535	-0.350	0.099	-3.545	3.9E-04	0.00167977	Ndufab1
ENSMUSG00000060126	8916.367	-0.350	0.108	-3.255	1.1E-03	0.004459	Tpt1
ENSMUSG00000028648	1030.007	-0.350	0.129	-2.704	6.9E-03	0.02252045	Ndufs5
ENSMUSG00000029111	3124.166	-0.350	0.085	-4.138	3.5E-05	0.00017803	Nelfa
ENSMUSG00000050705	899.713	-0.350	0.125	-2.803	5.1E-03	0.01726784	2310061I04Rik
ENSMUSG00000036309	12157.676	-0.351	0.056	-6.292	3.1E-10	2.8843E-09	Skp1
ENSMUSG00000045948	2241.437	-0.351	0.096	-3.656	2.6E-04	0.00113634	Mrps12
ENSMUSG00000104280	403.874	-0.351	0.145	-2.423	1.5E-02	0.04576702	Rps2-ps11
ENSMUSG00000024383	1173.480	-0.352	0.120	-2.925	3.4E-03	0.01222152	Map3k2
ENSMUSG00000030987	2791.281	-0.352	0.098	-3.597	3.2E-04	0.00139884	Stim1
ENSMUSG00000053453	741.534	-0.353	0.146	-2.424	1.5E-02	0.04567296	Thoc7
ENSMUSG00000056342	1158.948	-0.353	0.131	-2.685	7.3E-03	0.02363413	Usp34
ENSMUSG00000090862	4216.040	-0.353	0.107	-3.297	9.8E-04	0.0038798	Rps13
ENSMUSG00000025155	2608.755	-0.354	0.099	-3.575	3.5E-04	0.0015148	Dus11
ENSMUSG00000030588	3380.871	-0.354	0.084	-4.219	2.5E-05	0.00012793	Yif1b
ENSMUSG00000027263	1780.038	-0.354	0.122	-2.895	3.8E-03	0.0133095	Tubgcp4
ENSMUSG00000033272	5556.013	-0.354	0.091	-3.883	1.0E-04	0.00048861	Slc35a4
ENSMUSG00000037759	1075.607	-0.355	0.139	-2.542	1.1E-02	0.03405974	Ptger2
ENSMUSG00000027506	18462.960	-0.355	0.084	-4.227	2.4E-05	0.00012356	Tpd52
ENSMUSG00000037957	1838.526	-0.355	0.136	-2.605	9.2E-03	0.02905281	Wdr20
ENSMUSG00000022884	3576.090	-0.355	0.093	-3.820	1.3E-04	0.00062176	Eif4a2
ENSMUSG00000031352	2355.512	-0.355	0.091	-3.906	9.4E-05	0.00044691	Hccs
ENSMUSG00000042043	3579.972	-0.355	0.119	-2.990	2.8E-03	0.01012615	Tbca
ENSMUSG00000063316	4149.069	-0.356	0.111	-3.209	1.3E-03	0.00515895	Rpl27
ENSMUSG00000034006	2615.496	-0.356	0.109	-3.280	1.0E-03	0.00410511	Slc66a2
ENSMUSG00000006442	5373.305	-0.356	0.144	-2.473	1.3E-02	0.04048194	Srm
ENSMUSG00000022434	830.937	-0.357	0.136	-2.613	9.0E-03	0.02845046	Fam118a
ENSMUSG00000040451	2905.464	-0.357	0.126	-2.825	4.7E-03	0.01626237	Sgms1
ENSMUSG00000024498	4250.860	-0.357	0.103	-3.467	5.3E-04	0.00219922	Tcerg1
ENSMUSG00000013495	1609.476	-0.357	0.135	-2.646	8.1E-03	0.02614705	Tmem175
ENSMUSG00000024622	1528.448	-0.357	0.126	-2.839	4.5E-03	0.0156141	Hmgxb3
ENSMUSG00000070003	8992.438	-0.357	0.116	-3.073	2.1E-03	0.00787634	Ssbp4
ENSMUSG00000024571	6960.809	-0.358	0.076	-4.704	2.6E-06	1.5317E-05	Gm16286
ENSMUSG00000036980	1384.551	-0.359	0.099	-3.623	2.9E-04	0.00127799	Taf6
ENSMUSG00000027673	2600.072	-0.360	0.084	-4.261	2.0E-05	0.00010733	Ndufb5
ENSMUSG00000030335	2183.662	-0.360	0.105	-3.441	5.8E-04	0.00240331	Mrp151
ENSMUSG00000036748	4490.079	-0.360	0.076	-4.731	2.2E-06	1.3497E-05	Cuedc2
ENSMUSG00000028138	6039.210	-0.360	0.068	-5.267	1.4E-07	9.7385E-07	Adh5
ENSMUSG00000037916	4412.902	-0.361	0.075	-4.824	1.4E-06	8.6837E-06	Ndufv1
ENSMUSG00000075467	1761.640	-0.361	0.116	-3.118	1.8E-03	0.00685481	Dnlz
ENSMUSG00000030086	801.220	-0.361	0.137	-2.643	8.2E-03	0.02634711	Chchd6
ENSMUSG00000055093	627.988	-0.362	0.127	-2.851	4.4E-03	0.01510203	Rps27a-ps3
ENSMUSG00000063884	1572.954	-0.362	0.145	-2.503	1.2E-02	0.03764046	Ptcd3
ENSMUSG00000041879	2321.307	-0.362	0.140	-2.594	9.5E-03	0.02982498	Ipo9
ENSMUSG00000068396	1076.408	-0.363	0.108	-3.345	8.2E-04	0.00332057	Rpl34-ps1

ENSMUSG00000033918	3229.816	-0.363	0.089	-4.086	4.4E-05	0.0002204	Parl
ENSMUSG00000002763	1845.189	-0.363	0.125	-2.919	3.5E-03	0.01243729	Pex6
ENSMUSG00000054226	796.684	-0.363	0.150	-2.419	1.6E-02	0.04614307	Tprkb
ENSMUSG00000046756	4443.915	-0.364	0.084	-4.347	1.4E-05	7.4706E-05	Mrps7
ENSMUSG00000001105	2327.788	-0.364	0.112	-3.241	1.2E-03	0.0046596	Ift20
ENSMUSG00000067071	1582.708	-0.364	0.129	-2.824	4.7E-03	0.01631144	Hes6
ENSMUSG00000031703	2569.266	-0.364	0.084	-4.359	1.3E-05	7.1084E-05	Itfg1
ENSMUSG00000026283	1010.205	-0.365	0.141	-2.587	9.7E-03	0.0303966	Ing5
ENSMUSG00000027953	1748.528	-0.365	0.113	-3.235	1.2E-03	0.00474234	Slc50a1
ENSMUSG00000029171	1918.102	-0.367	0.100	-3.659	2.5E-04	0.00112626	Pgm2
ENSMUSG00000054309	3461.550	-0.367	0.099	-3.724	2.0E-04	0.00088794	Cpsf3
ENSMUSG00000032244	1695.538	-0.367	0.128	-2.858	4.3E-03	0.01477434	Fem1b
ENSMUSG00000020180	2365.875	-0.367	0.109	-3.363	7.7E-04	0.003124	Snrpd3
ENSMUSG00000034377	1358.638	-0.367	0.121	-3.038	2.4E-03	0.00876887	Tulp4
ENSMUSG00000108452	353.816	-0.368	0.149	-2.471	1.3E-02	0.04063242	4930413G21Rik
ENSMUSG00000093674	18194.214	-0.368	0.142	-2.583	9.8E-03	0.03063927	Rpl41
ENSMUSG00000031983	2212.428	-0.368	0.124	-2.960	3.1E-03	0.01103561	2310022B05Rik
ENSMUSG00000039361	23190.491	-0.369	0.126	-2.916	3.5E-03	0.01252541	Picalm
ENSMUSG00000002107	7026.421	-0.369	0.111	-3.325	8.8E-04	0.00353972	Celf2
ENSMUSG00000031591	17551.098	-0.369	0.091	-4.063	4.8E-05	0.0002422	Asah1
ENSMUSG00000022674	449.245	-0.370	0.152	-2.427	1.5E-02	0.04534314	Ube2v2
ENSMUSG00000004319	1790.465	-0.371	0.128	-2.900	3.7E-03	0.01312659	Clcn3
ENSMUSG00000029772	3659.860	-0.372	0.143	-2.594	9.5E-03	0.02982645	Ahcy12
ENSMUSG00000024269	1572.057	-0.372	0.108	-3.439	5.8E-04	0.00241843	Tpgs2
ENSMUSG00000020224	1419.606	-0.372	0.110	-3.382	7.2E-04	0.00293133	Llph
ENSMUSG00000042323	4105.650	-0.372	0.084	-4.442	8.9E-06	4.9897E-05	Pbrm1
ENSMUSG00000029577	2566.924	-0.372	0.137	-2.721	6.5E-03	0.02150734	Ube3b
ENSMUSG00000047804	1852.319	-0.372	0.120	-3.100	1.9E-03	0.00725242	Akap10
ENSMUSG00000039745	4846.685	-0.372	0.076	-4.908	9.2E-07	5.8266E-06	Htatip2
ENSMUSG00000073838	1862.495	-0.373	0.122	-3.062	2.2E-03	0.00815667	Tufm
ENSMUSG00000029482	2071.527	-0.373	0.145	-2.577	1.0E-02	0.03112779	Aacs
ENSMUSG00000068580	1562.073	-0.373	0.126	-2.952	3.2E-03	0.01129798	Zfyve19
ENSMUSG00000074238	1491.362	-0.373	0.132	-2.820	4.8E-03	0.01648287	Ap1ar
ENSMUSG00000030879	5701.353	-0.373	0.073	-5.127	2.9E-07	1.9852E-06	Mrpl17
ENSMUSG00000017802	983.200	-0.373	0.135	-2.772	5.6E-03	0.01878121	Retreg3
ENSMUSG00000032078	3247.260	-0.374	0.109	-3.432	6.0E-04	0.00247524	Zpr1
ENSMUSG00000020308	2194.452	-0.375	0.117	-3.204	1.4E-03	0.00523663	Tpgs1
ENSMUSG00000026107	1910.302	-0.375	0.145	-2.580	9.9E-03	0.03087945	Nabp1
ENSMUSG00000017132	6489.944	-0.375	0.109	-3.451	5.6E-04	0.00231828	Cyth1
ENSMUSG00000028580	5598.658	-0.375	0.095	-3.934	8.3E-05	0.00040111	Pum1
ENSMUSG00000029759	3953.602	-0.376	0.099	-3.805	1.4E-04	0.0006566	Pon3
ENSMUSG00000042444	1604.933	-0.376	0.155	-2.428	1.5E-02	0.0451737	Mindy2
ENSMUSG00000014592	677.489	-0.376	0.137	-2.749	6.0E-03	0.01995278	Camta1
ENSMUSG00000037938	715.789	-0.376	0.138	-2.729	6.3E-03	0.02103965	Chchd5
ENSMUSG00000047284	886.091	-0.377	0.152	-2.473	1.3E-02	0.04048194	Neurl4
ENSMUSG00000028433	1704.972	-0.377	0.100	-3.766	1.7E-04	0.00076107	Ubp2
ENSMUSG00000061904	20657.196	-0.378	0.060	-6.283	3.3E-10	3.0623E-09	Slc25a3
ENSMUSG00000029920	1133.074	-0.378	0.111	-3.414	6.4E-04	0.00263006	Smarcad1
ENSMUSG00000021290	4641.229	-0.378	0.131	-2.894	3.8E-03	0.01334092	Atp5mpl
ENSMUSG00000040234	1611.902	-0.378	0.105	-3.595	3.2E-04	0.00140844	Tm7sf3
ENSMUSG00000031479	3144.094	-0.378	0.081	-4.640	3.5E-06	2.0546E-05	Vps36
ENSMUSG00000030062	15790.489	-0.378	0.061	-6.168	6.9E-10	6.1644E-09	Rpn1

ENSMUSG00000073155	5209.130	-0.379	0.140	-2.712	6.7E-03	0.02204166	1810058I24Rik
ENSMUSG00000035206	1713.413	-0.379	0.134	-2.833	4.6E-03	0.01586129	Spp12b
ENSMUSG00000040331	2651.528	-0.379	0.101	-3.757	1.7E-04	0.00078549	Nsmce4a
ENSMUSG00000006527	1674.703	-0.379	0.127	-2.985	2.8E-03	0.01025835	Sfmbt1
ENSMUSG000000065954	7105.076	-0.380	0.086	-4.438	9.1E-06	5.0682E-05	Tacc1
ENSMUSG00000025728	2043.581	-0.380	0.135	-2.827	4.7E-03	0.01617519	Pigq
ENSMUSG00000031505	2481.928	-0.381	0.104	-3.673	2.4E-04	0.0010714	Naxd
ENSMUSG00000040940	8971.626	-0.381	0.059	-6.435	1.2E-10	1.1772E-09	Arhgef1
ENSMUSG00000020241	2574.439	-0.381	0.115	-3.318	9.1E-04	0.00362609	Col6a2
ENSMUSG00000031816	947.335	-0.381	0.138	-2.770	5.6E-03	0.01888311	Mthfsd
ENSMUSG00000025147	2105.055	-0.381	0.103	-3.713	2.0E-04	0.00092413	Mob2
ENSMUSG00000028798	5643.578	-0.382	0.081	-4.727	2.3E-06	1.3753E-05	Eif3i
ENSMUSG00000028334	3161.574	-0.383	0.098	-3.926	8.6E-05	0.00041371	Nans
ENSMUSG00000043445	5644.739	-0.383	0.088	-4.377	1.2E-05	6.575E-05	Pgp
ENSMUSG00000083844	578.287	-0.383	0.144	-2.663	7.7E-03	0.02501675	Ube2d-ps
ENSMUSG00000038290	1022.604	-0.383	0.133	-2.881	4.0E-03	0.0138457	Smg6
ENSMUSG00000022814	2301.875	-0.384	0.101	-3.811	1.4E-04	0.00064422	Umps
ENSMUSG00000036257	1999.254	-0.384	0.153	-2.506	1.2E-02	0.03728306	Pnpla8
ENSMUSG00000020739	1545.772	-0.384	0.145	-2.648	8.1E-03	0.02601539	Nup85
ENSMUSG00000020521	2862.294	-0.385	0.102	-3.778	1.6E-04	0.00072627	Rnft1
ENSMUSG00000050668	959.850	-0.385	0.143	-2.686	7.2E-03	0.02357922	Gpatch11
ENSMUSG00000003234	3128.305	-0.386	0.141	-2.739	6.2E-03	0.02051958	Abcf3
ENSMUSG00000025702	2651.347	-0.386	0.094	-4.126	3.7E-05	0.00018711	Marchf8
ENSMUSG00000021411	892.625	-0.388	0.148	-2.626	8.6E-03	0.02755309	Pxdc1
ENSMUSG00000012483	573.567	-0.388	0.145	-2.677	7.4E-03	0.02412191	Rpa3
ENSMUSG00000024974	2141.396	-0.388	0.105	-3.714	2.0E-04	0.00092173	Smc3
ENSMUSG00000038708	2504.085	-0.389	0.098	-3.975	7.0E-05	0.00034256	Golga4
ENSMUSG00000037072	25542.904	-0.389	0.067	-5.798	6.7E-09	5.4467E-08	Selenof
ENSMUSG00000031570	1464.880	-0.389	0.120	-3.251	1.1E-03	0.00451563	Plpp5
ENSMUSG00000039244	1510.395	-0.389	0.120	-3.255	1.1E-03	0.00446259	E130309D02Rik
ENSMUSG00000034290	2221.481	-0.389	0.137	-2.841	4.5E-03	0.01555193	Nek9
ENSMUSG00000000959	839.012	-0.390	0.155	-2.518	1.2E-02	0.03627098	Oxa11
ENSMUSG00000025571	1221.937	-0.390	0.163	-2.394	1.7E-02	0.04895395	Tnrc6c
ENSMUSG00000063275	1204.586	-0.390	0.153	-2.544	1.1E-02	0.0339504	Hacd1
ENSMUSG00000047215	4940.522	-0.390	0.129	-3.026	2.5E-03	0.00906788	Rp19
ENSMUSG00000046675	1973.517	-0.390	0.133	-2.923	3.5E-03	0.01228498	Tmem251
ENSMUSG00000005882	2249.523	-0.390	0.132	-2.949	3.2E-03	0.01142049	Uqcc1
ENSMUSG00000051232	1703.714	-0.390	0.117	-3.334	8.6E-04	0.00343692	Tmem199
ENSMUSG00000041453	3548.977	-0.390	0.123	-3.177	1.5E-03	0.00571251	Rpl21
ENSMUSG00000037742	85616.822	-0.391	0.057	-6.875	6.2E-12	6.5463E-11	Eef1a1
ENSMUSG00000078122	5304.987	-0.391	0.142	-2.749	6.0E-03	0.01993675	F630028O10Rik
ENSMUSG00000032966	18562.212	-0.391	0.072	-5.404	6.5E-08	4.7721E-07	Fkbp1a
ENSMUSG00000039427	1252.775	-0.391	0.124	-3.159	1.6E-03	0.00604323	Alg1
ENSMUSG00000027180	1509.734	-0.392	0.127	-3.085	2.0E-03	0.00760222	Fbxo3
ENSMUSG00000047036	1466.239	-0.392	0.142	-2.759	5.8E-03	0.01943326	Zfp445
ENSMUSG00000057036	299.719	-0.392	0.141	-2.780	5.4E-03	0.01838628	Gm7536
ENSMUSG00000007812	1908.568	-0.392	0.118	-3.331	8.6E-04	0.00346577	Zfp655
ENSMUSG00000001707	1721.442	-0.393	0.123	-3.181	1.5E-03	0.00564898	Eef1e1
ENSMUSG00000027618	1347.055	-0.393	0.099	-3.963	7.4E-05	0.00035883	Nfs1
ENSMUSG00000030036	2879.332	-0.393	0.114	-3.457	5.5E-04	0.00227474	Mogs
ENSMUSG00000052688	12232.495	-0.394	0.126	-3.137	1.7E-03	0.00647741	Rab7b
ENSMUSG00000024357	1433.696	-0.394	0.139	-2.829	4.7E-03	0.01607856	Sil1

ENSMUSG00000035545	2607.827	-0.394	0.155	-2.539	1.1E-02	0.0343447	Leng8
ENSMUSG00000057572	620.490	-0.394	0.145	-2.718	6.6E-03	0.02171286	Zbtb8os
ENSMUSG00000089911	2135.780	-0.394	0.112	-3.527	4.2E-04	0.00178871	Mfsd14a
ENSMUSG00000005982	1380.842	-0.395	0.118	-3.349	8.1E-04	0.00327542	Naa60
ENSMUSG00000030347	1220.378	-0.395	0.132	-3.005	2.7E-03	0.00966648	D6Wsu163e
ENSMUSG00000083483	295.325	-0.396	0.147	-2.685	7.3E-03	0.02363413	Gm14044
ENSMUSG00000027312	3166.616	-0.396	0.127	-3.106	1.9E-03	0.00713278	Atrn
ENSMUSG00000032381	9100.521	-0.396	0.078	-5.074	3.9E-07	2.5684E-06	Ciao2a
ENSMUSG00000058655	4038.091	-0.396	0.068	-5.864	4.5E-09	3.7341E-08	Eif4b
ENSMUSG00000059775	415.208	-0.396	0.130	-3.057	2.2E-03	0.00826594	Rps26-ps1
ENSMUSG00000002221	1065.663	-0.397	0.139	-2.859	4.2E-03	0.01474333	Paxipl
ENSMUSG00000025102	885.410	-0.397	0.136	-2.913	3.6E-03	0.01262186	3110040N11Rik
ENSMUSG00000020644	28172.681	-0.397	0.122	-3.248	1.2E-03	0.00456651	Id2
ENSMUSG00000030744	34523.349	-0.397	0.078	-5.096	3.5E-07	2.3111E-06	Rps3
ENSMUSG00000022186	4094.992	-0.397	0.115	-3.465	5.3E-04	0.00221089	Oxct1
ENSMUSG00000031387	9996.406	-0.397	0.078	-5.090	3.6E-07	2.3817E-06	Renbp
ENSMUSG00000003680	1983.135	-0.398	0.133	-2.991	2.8E-03	0.010087	Taf6l
ENSMUSG00000026643	2477.181	-0.399	0.109	-3.655	2.6E-04	0.00114302	Nmt2
ENSMUSG00000026037	703.559	-0.399	0.119	-3.362	7.7E-04	0.00313121	Orc2
ENSMUSG00000024053	8208.392	-0.399	0.106	-3.753	1.7E-04	0.00079891	Emilin2
ENSMUSG00000002345	1059.067	-0.399	0.124	-3.220	1.3E-03	0.00499081	Borcs8
ENSMUSG00000037373	14512.895	-0.401	0.067	-5.996	2.0E-09	1.7344E-08	Ctbp1
ENSMUSG00000040354	2551.977	-0.401	0.125	-3.208	1.3E-03	0.00517758	Mars1
ENSMUSG00000021213	1189.536	-0.401	0.139	-2.892	3.8E-03	0.01341689	Akr1c13
ENSMUSG00000032870	2748.461	-0.401	0.088	-4.569	4.9E-06	2.8311E-05	Smap2
ENSMUSG00000023495	845.359	-0.401	0.147	-2.722	6.5E-03	0.02147574	Pcbp4
ENSMUSG00000027649	1862.089	-0.402	0.110	-3.665	2.5E-04	0.00110108	Ctnnb11
ENSMUSG00000002342	2548.528	-0.403	0.121	-3.329	8.7E-04	0.00349082	Tmem161a
ENSMUSG00000029202	864.294	-0.404	0.133	-3.033	2.4E-03	0.00888499	Pds5a
ENSMUSG00000021969	4026.791	-0.404	0.088	-4.567	4.9E-06	2.8497E-05	Zdhhc20
ENSMUSG00000006715	1034.442	-0.404	0.147	-2.753	5.9E-03	0.01972934	Gmnn
ENSMUSG00000027968	1512.698	-0.404	0.121	-3.347	8.2E-04	0.00329485	Larp7
ENSMUSG00000026123	8471.098	-0.405	0.107	-3.797	1.5E-04	0.00067918	Plekhb2
ENSMUSG00000039887	863.089	-0.405	0.146	-2.779	5.5E-03	0.01843436	Alg14
ENSMUSG00000117167	334.311	-0.405	0.149	-2.711	6.7E-03	0.0221346	Gm6599
ENSMUSG00000025223	1704.982	-0.406	0.144	-2.822	4.8E-03	0.01639829	Ldb1
ENSMUSG00000019804	22400.226	-0.406	0.068	-5.950	2.7E-09	2.2633E-08	Snx3
ENSMUSG00000041415	947.476	-0.407	0.143	-2.838	4.5E-03	0.01567105	Dicer1
ENSMUSG00000000420	3221.879	-0.407	0.128	-3.190	1.4E-03	0.00548619	Galnt1
ENSMUSG00000021957	21337.923	-0.408	0.072	-5.666	1.5E-08	1.144E-07	Tkt
ENSMUSG00000026634	2308.960	-0.408	0.121	-3.370	7.5E-04	0.00304626	Angel2
ENSMUSG00000047879	4693.313	-0.408	0.092	-4.437	9.1E-06	5.0831E-05	Usp14
ENSMUSG00000032757	2013.191	-0.408	0.093	-4.395	1.1E-05	6.0886E-05	Bet1
ENSMUSG00000004071	2071.420	-0.408	0.092	-4.457	8.3E-06	4.6652E-05	Cdip1
ENSMUSG00000027288	5594.194	-0.409	0.081	-5.057	4.3E-07	2.7907E-06	Zfp106
ENSMUSG00000117515	182.532	-0.409	0.171	-2.399	1.6E-02	0.04846755	Gm6883
ENSMUSG00000085875	385.880	-0.410	0.169	-2.425	1.5E-02	0.04552416	Gm12905
ENSMUSG00000028274	2308.348	-0.410	0.093	-4.423	9.7E-06	5.4032E-05	Rngtt
ENSMUSG00000051256	2327.786	-0.411	0.099	-4.146	3.4E-05	0.00017226	Jagn1
ENSMUSG00000021193	4225.673	-0.411	0.092	-4.479	7.5E-06	4.2454E-05	Pitrm1
ENSMUSG00000025374	1869.488	-0.412	0.114	-3.625	2.9E-04	0.00127085	Nabp2
ENSMUSG00000009470	2516.894	-0.412	0.098	-4.225	2.4E-05	0.00012489	Tnpol

ENSMUSG00000096210	2660.031	-0.413	0.093	-4.415	1.0E-05	5.5953E-05	Hlf0
ENSMUSG00000039771	967.582	-0.413	0.160	-2.572	1.0E-02	0.03154967	Polr2j
ENSMUSG00000064370	130889.289	-0.413	0.088	-4.671	3.0E-06	1.7882E-05	mt-Cytb
ENSMUSG00000029614	7238.969	-0.414	0.112	-3.705	2.1E-04	0.00094914	Rpl6
ENSMUSG00000023169	3470.589	-0.414	0.129	-3.210	1.3E-03	0.00514194	Slc38a1
ENSMUSG00000031229	2511.167	-0.415	0.101	-4.100	4.1E-05	0.00020875	Atrx
ENSMUSG00000030034	1062.077	-0.415	0.150	-2.773	5.5E-03	0.01870079	Ino80b
ENSMUSG00000037458	6767.288	-0.416	0.090	-4.594	4.3E-06	2.5274E-05	Azin1
ENSMUSG00000063739	209.046	-0.416	0.174	-2.388	1.7E-02	0.04963111	Gm4963
ENSMUSG00000002846	1630.961	-0.416	0.085	-4.881	1.1E-06	6.6212E-06	Timmdc1
ENSMUSG00000063334	1028.978	-0.417	0.121	-3.452	5.6E-04	0.002311	Krr1
ENSMUSG00000024188	2556.194	-0.417	0.101	-4.140	3.5E-05	0.0001766	Luc7l
ENSMUSG00000038633	17838.994	-0.417	0.055	-7.521	5.4E-14	6.7628E-13	Degs1
ENSMUSG00000021149	3239.749	-0.417	0.123	-3.380	7.2E-04	0.00294551	Gtpbp4
ENSMUSG00000031432	1125.001	-0.417	0.142	-2.943	3.2E-03	0.01161058	Prps1
ENSMUSG00000052962	1933.120	-0.418	0.126	-3.305	9.5E-04	0.00377916	Mrpl35
ENSMUSG00000066306	1794.537	-0.418	0.131	-3.182	1.5E-03	0.00563219	Numa1
ENSMUSG00000027601	1411.948	-0.418	0.102	-4.094	4.2E-05	0.00021361	Mtfr1
ENSMUSG00000028744	3866.003	-0.418	0.116	-3.591	3.3E-04	0.00143185	Slc66a1
ENSMUSG00000083337	360.494	-0.418	0.144	-2.896	3.8E-03	0.0132702	Gm11539
ENSMUSG00000037706	8954.746	-0.420	0.130	-3.236	1.2E-03	0.0047388	Cd81
ENSMUSG00000018196	1861.007	-0.420	0.103	-4.081	4.5E-05	0.00022552	Glr2
ENSMUSG00000021820	975.683	-0.420	0.161	-2.601	9.3E-03	0.0293128	Camk2g
ENSMUSG00000024045	2242.515	-0.420	0.107	-3.946	7.9E-05	0.00038318	Akap8
ENSMUSG00000028333	5739.146	-0.420	0.071	-5.914	3.3E-09	2.8041E-08	Anp32b
ENSMUSG00000004044	3688.448	-0.421	0.111	-3.780	1.6E-04	0.00072092	Cavin1
ENSMUSG00000045996	509.537	-0.421	0.126	-3.345	8.2E-04	0.00332057	Polr2k
ENSMUSG00000025949	2288.689	-0.421	0.143	-2.944	3.2E-03	0.01158092	Pikfyve
ENSMUSG00000031157	1488.980	-0.422	0.124	-3.415	6.4E-04	0.00262331	Pqbp1
ENSMUSG00000017404	7530.934	-0.422	0.136	-3.113	1.9E-03	0.00698547	Rpl19
ENSMUSG00000113151	215.752	-0.422	0.164	-2.575	1.0E-02	0.03125807	Gm48690
ENSMUSG00000034187	6199.389	-0.422	0.086	-4.911	9.0E-07	5.7229E-06	Nsf
ENSMUSG00000052298	7321.859	-0.423	0.092	-4.596	4.3E-06	2.5085E-05	Cdc42se2
ENSMUSG00000014355	1556.162	-0.423	0.112	-3.783	1.6E-04	0.00071543	Anapc1
ENSMUSG00000027286	946.167	-0.423	0.137	-3.080	2.1E-03	0.0077036	Lrrc57
ENSMUSG00000075706	11389.930	-0.423	0.072	-5.860	4.6E-09	3.824E-08	Gpx4
ENSMUSG00000070972	735.120	-0.424	0.127	-3.340	8.4E-04	0.00337127	Dnajc25
ENSMUSG00000021893	1697.781	-0.424	0.129	-3.279	1.0E-03	0.00412132	Capn7
ENSMUSG00000030168	10188.030	-0.424	0.082	-5.187	2.1E-07	1.4611E-06	Adipor2
ENSMUSG00000036887	66524.110	-0.424	0.134	-3.175	1.5E-03	0.00575106	C1qa
ENSMUSG00000025816	498.890	-0.424	0.165	-2.573	1.0E-02	0.03148733	Sec61a2
ENSMUSG00000027374	1117.044	-0.424	0.154	-2.747	6.0E-03	0.02008073	Mrps5
ENSMUSG00000063696	2204.426	-0.424	0.090	-4.731	2.2E-06	1.3538E-05	Gm8730
ENSMUSG00000026918	2696.716	-0.425	0.125	-3.387	7.1E-04	0.00287509	Brd3
ENSMUSG00000020137	515.293	-0.426	0.161	-2.645	8.2E-03	0.02619121	Thap2
ENSMUSG00000033047	7960.201	-0.427	0.073	-5.882	4.1E-09	3.3825E-08	Eif31
ENSMUSG00000022982	22126.835	-0.427	0.110	-3.889	1.0E-04	0.00047646	Sod1
ENSMUSG00000041939	1518.798	-0.427	0.127	-3.374	7.4E-04	0.00300817	Mvk
ENSMUSG00000037119	2637.972	-0.427	0.103	-4.134	3.6E-05	0.00018123	Fam91a1
ENSMUSG00000003380	7886.409	-0.427	0.069	-6.172	6.8E-10	6.0429E-09	Rabac1
ENSMUSG00000111515	269.000	-0.427	0.145	-2.940	3.3E-03	0.01172989	Gm5055
ENSMUSG00000052459	43067.603	-0.427	0.075	-5.730	1.0E-08	7.998E-08	Atp6v1a

ENSMUSG00000025358	1946.541	-0.427	0.121	-3.520	4.3E-04	0.00183472	Cdk2
ENSMUSG00000021681	2574.895	-0.427	0.120	-3.575	3.5E-04	0.0015126	Aggf1
ENSMUSG00000042380	2583.109	-0.427	0.117	-3.653	2.6E-04	0.00114755	Smim12
ENSMUSG00000043987	562.084	-0.428	0.175	-2.441	1.5E-02	0.04378866	Cep164
ENSMUSG00000062382	7587.854	-0.428	0.084	-5.118	3.1E-07	2.0677E-06	Ftl1-ps1
ENSMUSG00000089764	431.402	-0.428	0.159	-2.695	7.0E-03	0.02303146	Gm16580
ENSMUSG00000025068	2902.766	-0.429	0.111	-3.864	1.1E-04	0.00052468	Gsto1
ENSMUSG00000070002	1793.215	-0.429	0.179	-2.390	1.7E-02	0.04951265	Ell
ENSMUSG00000025786	3891.044	-0.429	0.089	-4.845	1.3E-06	7.8926E-06	Zdhhc3
ENSMUSG00000008140	7957.139	-0.429	0.059	-7.297	2.9E-13	3.4766E-12	Emc10
ENSMUSG00000022545	734.208	-0.429	0.161	-2.657	7.9E-03	0.02543538	Erec4
ENSMUSG00000031059	3089.044	-0.429	0.105	-4.094	4.2E-05	0.00021319	Ndufb11
ENSMUSG00000032399	34891.807	-0.430	0.055	-7.740	9.9E-15	1.2843E-13	Rpl4
ENSMUSG00000022013	4373.811	-0.430	0.080	-5.360	8.3E-08	5.9902E-07	Dnajc15
ENSMUSG00000045362	3616.046	-0.430	0.164	-2.629	8.6E-03	0.02736615	Tnfrsf26
ENSMUSG00000024370	1375.183	-0.430	0.124	-3.478	5.1E-04	0.00211696	Cdc23
ENSMUSG00000019088	4004.822	-0.431	0.082	-5.233	1.7E-07	1.1589E-06	Dnase111
ENSMUSG00000044881	1257.564	-0.431	0.157	-2.747	6.0E-03	0.02005974	Coa4
ENSMUSG00000040618	1617.753	-0.432	0.166	-2.599	9.3E-03	0.02943958	Pck2
ENSMUSG00000024885	6880.631	-0.432	0.091	-4.741	2.1E-06	1.2897E-05	Aldh3b1
ENSMUSG00000040446	469.958	-0.432	0.139	-3.109	1.9E-03	0.00705676	Rprd1a
ENSMUSG00000064138	1641.569	-0.433	0.109	-3.980	6.9E-05	0.00033604	Fam172a
ENSMUSG00000024095	2519.111	-0.433	0.140	-3.102	1.9E-03	0.00722045	Hnrnp11
ENSMUSG00000030265	3974.260	-0.433	0.112	-3.856	1.2E-04	0.00054035	Kras
ENSMUSG00000056167	1430.342	-0.433	0.117	-3.693	2.2E-04	0.0009931	Cnot10
ENSMUSG00000032615	962.132	-0.434	0.154	-2.816	4.9E-03	0.01664889	Nt5m
ENSMUSG00000079036	1111.656	-0.434	0.165	-2.628	8.6E-03	0.02739737	Alkbh1
ENSMUSG00000030064	2938.567	-0.435	0.153	-2.836	4.6E-03	0.015745	Frm4b
ENSMUSG00000010048	621.757	-0.435	0.152	-2.857	4.3E-03	0.01484168	Ifrd2
ENSMUSG00000038644	1568.921	-0.435	0.159	-2.732	6.3E-03	0.02091642	Pold1
ENSMUSG00000009995	3100.687	-0.436	0.104	-4.198	2.7E-05	0.0001391	Taz
ENSMUSG00000004567	3861.329	-0.436	0.102	-4.288	1.8E-05	9.6216E-05	Mcoln1
ENSMUSG00000004099	4042.649	-0.436	0.088	-4.938	7.9E-07	5.0242E-06	Dnmt1
ENSMUSG00000053289	1318.424	-0.437	0.148	-2.945	3.2E-03	0.01153629	Ddx10
ENSMUSG00000034101	351.751	-0.437	0.177	-2.474	1.3E-02	0.04036896	Ctnd1
ENSMUSG00000059796	26268.325	-0.437	0.085	-5.120	3.1E-07	2.0552E-06	Eif4a1
ENSMUSG00000066585	2324.303	-0.438	0.101	-4.316	1.6E-05	8.5287E-05	Cdt1
ENSMUSG00000026000	1092.974	-0.438	0.131	-3.356	7.9E-04	0.0032009	Lancl1
ENSMUSG00000036678	1557.010	-0.439	0.137	-3.211	1.3E-03	0.0051239	Aaas
ENSMUSG00000020029	2640.868	-0.439	0.120	-3.674	2.4E-04	0.00106679	Nudt4
ENSMUSG00000007603	1290.048	-0.439	0.136	-3.228	1.2E-03	0.00485715	Dus31
ENSMUSG00000057696	285.423	-0.439	0.173	-2.545	1.1E-02	0.03386105	Rpl30-ps1
ENSMUSG00000001018	3206.000	-0.440	0.110	-4.008	6.1E-05	0.00030233	Snapin
ENSMUSG00000030057	19026.292	-0.440	0.077	-5.703	1.2E-08	9.3377E-08	Cnbp
ENSMUSG00000051518	2812.550	-0.440	0.091	-4.821	1.4E-06	8.8348E-06	Rps19bp1
ENSMUSG00000031667	1435.088	-0.440	0.160	-2.744	6.1E-03	0.02022438	Aktip
ENSMUSG00000003531	1530.083	-0.440	0.136	-3.237	1.2E-03	0.00472417	Dgcr6
ENSMUSG00000024276	1640.856	-0.441	0.134	-3.281	1.0E-03	0.00409004	Zfp397
ENSMUSG00000039660	700.484	-0.441	0.147	-2.990	2.8E-03	0.01012886	Spout1
ENSMUSG00000046707	1283.896	-0.441	0.169	-2.604	9.2E-03	0.02908822	Csnk2a2
ENSMUSG00000038605	431.455	-0.441	0.175	-2.518	1.2E-02	0.03624194	Samd10
ENSMUSG00000022682	2910.470	-0.441	0.123	-3.597	3.2E-04	0.00140352	Rrn3

ENSMUSG00000041096	680.889	-0.441	0.158	-2.786	5.3E-03	0.01808141	Tspyl2
ENSMUSG00000031917	2855.160	-0.441	0.102	-4.313	1.6E-05	8.6282E-05	Nip7
ENSMUSG00000053333	699.180	-0.442	0.164	-2.700	6.9E-03	0.02275727	Dis312
ENSMUSG00000033059	2515.088	-0.442	0.127	-3.495	4.7E-04	0.00199715	Pygb
ENSMUSG00000028207	6040.666	-0.442	0.127	-3.494	4.8E-04	0.00200543	Asph
ENSMUSG00000018398	1629.376	-0.443	0.095	-4.649	3.3E-06	1.9748E-05	Septin8
ENSMUSG00000041420	1089.899	-0.443	0.152	-2.911	3.6E-03	0.01271299	Meis3
ENSMUSG00000005078	2072.221	-0.443	0.103	-4.289	1.8E-05	9.5505E-05	Jkamp
ENSMUSG00000083219	343.145	-0.443	0.170	-2.601	9.3E-03	0.02930147	Gm11410
ENSMUSG00000055660	762.003	-0.443	0.142	-3.111	1.9E-03	0.00702473	Mettl4
ENSMUSG00000026213	904.068	-0.444	0.159	-2.784	5.4E-03	0.01816995	Stk11ip
ENSMUSG00000058542	1481.988	-0.444	0.130	-3.411	6.5E-04	0.00265536	Gm15590
ENSMUSG00000032366	13473.673	-0.444	0.096	-4.637	3.5E-06	2.082E-05	Tpm1
ENSMUSG00000043683	1115.048	-0.444	0.170	-2.618	8.8E-03	0.0281286	Fem1a
ENSMUSG00000048307	1623.531	-0.444	0.152	-2.928	3.4E-03	0.01211551	Ankrd46
ENSMUSG00000029234	10823.469	-0.444	0.067	-6.607	3.9E-11	3.8815E-10	Tmem165
ENSMUSG00000027710	1146.655	-0.445	0.174	-2.553	1.1E-02	0.03316955	Acad9
ENSMUSG00000002718	2088.753	-0.446	0.114	-3.902	9.5E-05	0.00045359	Cse11
ENSMUSG00000068290	4319.550	-0.446	0.097	-4.605	4.1E-06	2.4149E-05	Ddrgk1
ENSMUSG00000029647	2037.458	-0.446	0.107	-4.156	3.2E-05	0.00016555	Pan3
ENSMUSG00000056076	15544.206	-0.446	0.079	-5.648	1.6E-08	1.2664E-07	Eif3b
ENSMUSG00000117345	313.396	-0.446	0.154	-2.903	3.7E-03	0.01300392	Gm7926
ENSMUSG00000109324	4244.204	-0.446	0.083	-5.407	6.4E-08	4.6959E-07	Prmt1
ENSMUSG00000019158	9230.570	-0.447	0.126	-3.539	4.0E-04	0.00171528	Tmem160
ENSMUSG00000111356	866.310	-0.447	0.109	-4.096	4.2E-05	0.00021169	Rpl321
ENSMUSG00000030888	1526.584	-0.447	0.123	-3.633	2.8E-04	0.00123538	Rrp8
ENSMUSG00000033964	421.852	-0.447	0.170	-2.634	8.4E-03	0.02699744	Zbtb41
ENSMUSG00000036199	7695.657	-0.447	0.112	-3.997	6.4E-05	0.00031513	Ndufa13
ENSMUSG00000021027	646.583	-0.447	0.166	-2.688	7.2E-03	0.02348291	Ralgapa1
ENSMUSG00000051329	852.583	-0.448	0.151	-2.972	3.0E-03	0.01066934	Nup160
ENSMUSG00000029627	469.206	-0.449	0.187	-2.402	1.6E-02	0.04811476	Zkscan14
ENSMUSG00000020605	1089.575	-0.449	0.140	-3.209	1.3E-03	0.00516227	Hs1bp3
ENSMUSG00000024197	5597.967	-0.449	0.095	-4.706	2.5E-06	1.5207E-05	Plin3
ENSMUSG00000022414	1436.281	-0.449	0.169	-2.661	7.8E-03	0.02512591	Tab1
ENSMUSG00000040345	4394.148	-0.449	0.099	-4.537	5.7E-06	3.2649E-05	Arhgap9
ENSMUSG00000067344	298.795	-0.450	0.147	-3.053	2.3E-03	0.00838261	Rps25-ps1
ENSMUSG00000061455	1024.829	-0.450	0.154	-2.929	3.4E-03	0.01208766	Stx17
ENSMUSG00000020496	9584.647	-0.450	0.080	-5.657	1.5E-08	1.2009E-07	Rnfl187
ENSMUSG00000028247	939.706	-0.450	0.143	-3.137	1.7E-03	0.00647741	Coq3
ENSMUSG00000024012	8967.676	-0.451	0.083	-5.433	5.6E-08	4.0885E-07	Mtch1
ENSMUSG00000034566	5301.389	-0.451	0.112	-4.027	5.6E-05	0.00027923	Atp5h
ENSMUSG00000062328	2698.351	-0.451	0.171	-2.628	8.6E-03	0.02737004	Rpl17
ENSMUSG00000052085	3902.433	-0.452	0.135	-3.341	8.3E-04	0.00335917	Dock8
ENSMUSG00000013878	256.725	-0.452	0.188	-2.409	1.6E-02	0.04730436	Rnfl170
ENSMUSG00000002984	5036.464	-0.453	0.084	-5.404	6.5E-08	4.7594E-07	Tomm40
ENSMUSG00000022433	1600.816	-0.453	0.139	-3.255	1.1E-03	0.00446259	Csnk1e
ENSMUSG00000041130	1174.713	-0.453	0.165	-2.744	6.1E-03	0.02021481	Zfp598
ENSMUSG00000001119	4739.777	-0.454	0.116	-3.894	9.9E-05	0.00046747	Col6a1
ENSMUSG00000009549	6596.841	-0.454	0.081	-5.609	2.0E-08	1.5767E-07	Srp14
ENSMUSG00000001576	5201.543	-0.454	0.097	-4.681	2.9E-06	1.7003E-05	Ergic1
ENSMUSG00000020982	3334.837	-0.455	0.092	-4.959	7.1E-07	4.536E-06	Nemf
ENSMUSG00000019951	2861.045	-0.455	0.093	-4.867	1.1E-06	7.0795E-06	Uhrflbp11

ENSMUSG00000083911	304.379	-0.455	0.166	-2.740	6.1E-03	0.02044088	Gm4342
ENSMUSG00000003575	785.697	-0.455	0.188	-2.421	1.5E-02	0.04590194	Crtc1
ENSMUSG00000045411	739.539	-0.455	0.181	-2.512	1.2E-02	0.03674045	2410002F23Rik
ENSMUSG00000047260	3678.925	-0.456	0.105	-4.354	1.3E-05	7.2767E-05	Emc6
ENSMUSG00000041360	3505.268	-0.456	0.120	-3.785	1.5E-04	0.00070827	Pum3
ENSMUSG00000071014	1886.139	-0.456	0.145	-3.134	1.7E-03	0.00653322	Ndufb6
ENSMUSG00000001376	1617.285	-0.456	0.156	-2.924	3.5E-03	0.01227293	Vps50
ENSMUSG00000033728	2417.413	-0.457	0.104	-4.378	1.2E-05	6.5587E-05	Lrrc14
ENSMUSG00000030284	1245.298	-0.457	0.169	-2.709	6.8E-03	0.02224973	Creld1
ENSMUSG00000002625	1657.745	-0.457	0.156	-2.931	3.4E-03	0.01201984	Akap81
ENSMUSG00000078572	2028.887	-0.457	0.145	-3.164	1.6E-03	0.00595738	Ndufaf8
ENSMUSG00000039176	2225.797	-0.458	0.147	-3.111	1.9E-03	0.00701752	Polg
ENSMUSG00000031392	2836.221	-0.459	0.105	-4.357	1.3E-05	7.1789E-05	Irak1
ENSMUSG00000027957	1193.769	-0.459	0.124	-3.709	2.1E-04	0.00093799	Slc35a3
ENSMUSG00000084106	725.049	-0.459	0.125	-3.676	2.4E-04	0.00105756	Gm6136
ENSMUSG00000039000	1447.812	-0.459	0.168	-2.729	6.4E-03	0.02108642	Ube3c
ENSMUSG00000020372	21130.145	-0.459	0.073	-6.259	3.9E-10	3.5439E-09	Rack1
ENSMUSG00000024270	2230.147	-0.459	0.099	-4.641	3.5E-06	2.0458E-05	Slc39a6
ENSMUSG00000021068	2242.178	-0.459	0.130	-3.542	4.0E-04	0.00170006	Nin
ENSMUSG00000051579	1714.338	-0.459	0.126	-3.655	2.6E-04	0.00113935	Tceal8
ENSMUSG00000021595	4827.845	-0.460	0.104	-4.423	9.7E-06	5.385E-05	Nsun2
ENSMUSG00000036160	2836.389	-0.460	0.134	-3.439	5.8E-04	0.00241524	Surf6
ENSMUSG00000026895	4953.927	-0.460	0.086	-5.326	1.0E-07	7.1788E-07	Ndufa8
ENSMUSG00000028431	1422.744	-0.460	0.138	-3.337	8.5E-04	0.00339812	Elp1
ENSMUSG00000062458	200.032	-0.461	0.169	-2.724	6.5E-03	0.02136185	Gm8623
ENSMUSG00000016541	4876.998	-0.461	0.079	-5.811	6.2E-09	5.0617E-08	Atxn10
ENSMUSG00000022350	3590.207	-0.461	0.100	-4.626	3.7E-06	2.1927E-05	Washc5
ENSMUSG00000001025	8219.624	-0.461	0.142	-3.257	1.1E-03	0.00443682	S100a6
ENSMUSG00000057531	8144.348	-0.461	0.091	-5.062	4.2E-07	2.7305E-06	Dtnbp1
ENSMUSG00000071573	395.804	-0.462	0.187	-2.476	1.3E-02	0.0401923	Rnls
ENSMUSG00000009030	2005.581	-0.462	0.104	-4.438	9.1E-06	5.0545E-05	Pdcl
ENSMUSG00000057278	1809.177	-0.463	0.136	-3.400	6.7E-04	0.00275875	Snrpg
ENSMUSG00000024831	642.249	-0.463	0.177	-2.616	8.9E-03	0.0282758	Ighmbp2
ENSMUSG00000028568	943.158	-0.463	0.110	-4.205	2.6E-05	0.00013541	Btf314
ENSMUSG00000031015	4179.353	-0.464	0.095	-4.878	1.1E-06	6.717E-06	Swap70
ENSMUSG00000059291	4330.847	-0.464	0.096	-4.830	1.4E-06	8.4428E-06	Rpl11
ENSMUSG00000020766	5015.787	-0.464	0.089	-5.237	1.6E-07	1.1346E-06	Galk1
ENSMUSG00000032342	1071.771	-0.465	0.154	-3.010	2.6E-03	0.00952211	Mto1
ENSMUSG00000070572	227.098	-0.465	0.178	-2.612	9.0E-03	0.0285093	Trmt112-ps2
ENSMUSG00000021497	2721.738	-0.465	0.082	-5.661	1.5E-08	1.1766E-07	Txndc15
ENSMUSG00000052533	1054.275	-0.465	0.169	-2.760	5.8E-03	0.01940078	Nup188
ENSMUSG00000091845	316.105	-0.466	0.160	-2.918	3.5E-03	0.01245579	Rpl36-ps12
ENSMUSG00000041747	1802.679	-0.466	0.136	-3.415	6.4E-04	0.00262331	Utp15
ENSMUSG00000034211	3173.669	-0.466	0.097	-4.813	1.5E-06	9.1596E-06	Mrps17
ENSMUSG00000014633	443.507	-0.466	0.184	-2.535	1.1E-02	0.03469652	Cmc2
ENSMUSG00000097431	427.202	-0.466	0.160	-2.922	3.5E-03	0.01231433	Gm26782
ENSMUSG00000034216	3312.624	-0.466	0.085	-5.462	4.7E-08	3.4963E-07	Vps18
ENSMUSG00000060019	336.387	-0.467	0.163	-2.869	4.1E-03	0.01431466	Gm10073
ENSMUSG00000005150	961.983	-0.467	0.135	-3.461	5.4E-04	0.0022429	Wdr83
ENSMUSG00000094344	278.171	-0.467	0.152	-3.074	2.1E-03	0.00785827	Gm11942
ENSMUSG00000020097	19288.206	-0.467	0.092	-5.055	4.3E-07	2.8273E-06	Sgpl1
ENSMUSG00000025439	3663.638	-0.467	0.098	-4.746	2.1E-06	1.261E-05	Clns1a

ENSMUSG00000019975	1620.638	-0.467	0.124	-3.757	1.7E-04	0.00078753	Ikbip
ENSMUSG00000032239	1830.372	-0.468	0.112	-4.194	2.7E-05	0.00014159	Rp9
ENSMUSG00000086841	1000.413	-0.468	0.134	-3.495	4.7E-04	0.0019985	2410006H16Rik
ENSMUSG00000001366	1442.269	-0.469	0.156	-3.011	2.6E-03	0.00949889	Fbxo9
ENSMUSG00000024501	1577.453	-0.470	0.179	-2.622	8.7E-03	0.02780655	Dpysl3
ENSMUSG00000059064	376.803	-0.470	0.174	-2.699	7.0E-03	0.02279782	Gm10059
ENSMUSG00000015478	1397.145	-0.471	0.111	-4.228	2.4E-05	0.00012356	Rnf5
ENSMUSG00000034252	2276.085	-0.471	0.129	-3.641	2.7E-04	0.00119997	Senp6
ENSMUSG00000064037	1914.846	-0.471	0.115	-4.100	4.1E-05	0.00020829	Gpn1
ENSMUSG00000068917	1506.878	-0.471	0.145	-3.246	1.2E-03	0.00459653	Clk2
ENSMUSG00000042670	864.176	-0.471	0.101	-4.663	3.1E-06	1.8486E-05	Immp11
ENSMUSG00000038733	5542.536	-0.471	0.078	-6.053	1.4E-09	1.2316E-08	Wdr26
ENSMUSG00000022503	1439.892	-0.471	0.138	-3.406	6.6E-04	0.00269989	Nubp1
ENSMUSG00000038811	5734.387	-0.472	0.150	-3.142	1.7E-03	0.00638216	Gngt2
ENSMUSG00000060143	1456.167	-0.472	0.126	-3.749	1.8E-04	0.00080914	Gm10076
ENSMUSG00000067274	42563.057	-0.472	0.068	-6.902	5.1E-12	5.4356E-11	Rplp0
ENSMUSG00000045374	1649.772	-0.472	0.188	-2.516	1.2E-02	0.03643952	Wdr81
ENSMUSG00000061666	1968.424	-0.472	0.135	-3.499	4.7E-04	0.00197083	Gdpd1
ENSMUSG00000040521	1426.180	-0.472	0.130	-3.628	2.9E-04	0.0012571	Tsfm
ENSMUSG00000025377	1054.726	-0.472	0.119	-3.986	6.7E-05	0.00032877	Tepsin
ENSMUSG00000035781	3942.562	-0.473	0.093	-5.081	3.8E-07	2.4881E-06	R3hdm4
ENSMUSG00000033016	3316.238	-0.473	0.107	-4.416	1.0E-05	5.5698E-05	Nfate1
ENSMUSG00000031360	2945.523	-0.473	0.100	-4.716	2.4E-06	1.4473E-05	Ctps2
ENSMUSG00000025817	1807.065	-0.474	0.100	-4.718	2.4E-06	1.4323E-05	Nudt5
ENSMUSG00000049489	1063.235	-0.474	0.152	-3.124	1.8E-03	0.00674269	Ccnq
ENSMUSG00000033721	3689.369	-0.476	0.108	-4.397	1.1E-05	6.0341E-05	Vav3
ENSMUSG00000023988	1622.621	-0.476	0.157	-3.028	2.5E-03	0.00902078	Bysl
ENSMUSG00000050890	805.516	-0.477	0.163	-2.917	3.5E-03	0.01248734	Pdik11
ENSMUSG00000029547	994.284	-0.477	0.164	-2.904	3.7E-03	0.01297621	Ints1
ENSMUSG00000020736	3742.655	-0.477	0.085	-5.643	1.7E-08	1.2997E-07	Nt5c
ENSMUSG0000004264	7559.861	-0.477	0.083	-5.728	1.0E-08	8.1205E-08	Phb2
ENSMUSG00000022299	769.989	-0.477	0.181	-2.632	8.5E-03	0.02716793	Slc25a32
ENSMUSG00000027582	1044.539	-0.478	0.173	-2.770	5.6E-03	0.01886942	Zgpat
ENSMUSG00000049606	915.057	-0.478	0.150	-3.186	1.4E-03	0.00555503	Zfp644
ENSMUSG00000018774	75927.079	-0.478	0.083	-5.777	7.6E-09	6.1292E-08	Cd68
ENSMUSG00000003190	298.079	-0.478	0.171	-2.796	5.2E-03	0.01759641	Bcl2l12
ENSMUSG00000031812	10909.865	-0.478	0.091	-5.285	1.3E-07	8.8679E-07	Map11c3b
ENSMUSG00000027752	1361.646	-0.479	0.111	-4.315	1.6E-05	8.5859E-05	Exosc8
ENSMUSG00000078622	2359.767	-0.479	0.112	-4.259	2.1E-05	0.00010835	Ccdc47
ENSMUSG00000025967	7263.856	-0.479	0.092	-5.231	1.7E-07	1.1692E-06	Eef1b2
ENSMUSG00000044533	34861.817	-0.479	0.082	-5.876	4.2E-09	3.4923E-08	Rps2
ENSMUSG00000091625	397.240	-0.479	0.172	-2.780	5.4E-03	0.01841089	Lsm5
ENSMUSG00000086316	483.289	-0.479	0.166	-2.883	3.9E-03	0.01377606	Nbdy
ENSMUSG00000022718	658.207	-0.480	0.158	-3.033	2.4E-03	0.00887552	Dgcr8
ENSMUSG00000022992	1519.787	-0.480	0.155	-3.096	2.0E-03	0.00735252	Kansl2
ENSMUSG00000024205	371.692	-0.481	0.140	-3.439	5.8E-04	0.00241974	Rpl36-ps2
ENSMUSG00000005370	553.465	-0.481	0.167	-2.880	4.0E-03	0.01389939	Msh6
ENSMUSG00000016344	2688.499	-0.481	0.104	-4.639	3.5E-06	2.0709E-05	Pdpdf
ENSMUSG00000005514	34880.867	-0.481	0.086	-5.609	2.0E-08	1.5747E-07	Por
ENSMUSG00000040274	6796.320	-0.482	0.114	-4.216	2.5E-05	0.00012953	Cdk6
ENSMUSG00000099764	746.091	-0.482	0.149	-3.229	1.2E-03	0.00483278	Rps10-ps2
ENSMUSG00000053329	899.547	-0.482	0.172	-2.798	5.1E-03	0.01751394	Gatd3a

ENSMUSG00000059534	6338.624	-0.482	0.135	-3.563	3.7E-04	0.00157906	Uqcr10
ENSMUSG00000061244	2751.654	-0.482	0.115	-4.195	2.7E-05	0.00014081	Exoc5
ENSMUSG00000003746	4843.758	-0.482	0.130	-3.714	2.0E-04	0.00091992	Man1a
ENSMUSG00000022556	2328.733	-0.482	0.104	-4.642	3.5E-06	2.0406E-05	Hsf1
ENSMUSG00000022978	902.974	-0.482	0.149	-3.234	1.2E-03	0.00476423	Mis18a
ENSMUSG00000037013	3054.419	-0.483	0.121	-3.975	7.0E-05	0.00034287	Ss18
ENSMUSG00000030047	4155.395	-0.483	0.137	-3.519	4.3E-04	0.00183485	Arhgap25
ENSMUSG00000028974	936.582	-0.483	0.137	-3.515	4.4E-04	0.00186145	Dffa
ENSMUSG00000035704	1362.969	-0.483	0.141	-3.418	6.3E-04	0.00259219	Alg8
ENSMUSG00000019738	893.016	-0.483	0.149	-3.242	1.2E-03	0.00465119	Polr2i
ENSMUSG00000028614	1181.400	-0.483	0.153	-3.157	1.6E-03	0.00607265	Ndc1
ENSMUSG00000039599	616.143	-0.484	0.147	-3.288	1.0E-03	0.00399282	Fam149b
ENSMUSG00000024038	4099.189	-0.484	0.121	-4.013	6.0E-05	0.00029564	Ndufv3
ENSMUSG00000058444	1319.184	-0.484	0.136	-3.547	3.9E-04	0.00166848	Map2k5
ENSMUSG00000031633	9468.259	-0.484	0.067	-7.224	5.1E-13	5.8451E-12	Slc25a4
ENSMUSG00000015027	1957.900	-0.484	0.136	-3.570	3.6E-04	0.00153885	Galns
ENSMUSG00000036615	1362.823	-0.484	0.123	-3.950	7.8E-05	0.00037784	Rfxap
ENSMUSG00000049103	5049.022	-0.485	0.196	-2.471	1.3E-02	0.0405999	Ccr2
ENSMUSG00000027285	674.200	-0.485	0.188	-2.574	1.0E-02	0.03135898	Haus2
ENSMUSG00000056820	2834.480	-0.485	0.083	-5.837	5.3E-09	4.366E-08	Tsnax
ENSMUSG00000117810	244.855	-0.485	0.154	-3.139	1.7E-03	0.00642695	Gm8934
ENSMUSG00000029304	153574.151	-0.485	0.141	-3.431	6.0E-04	0.00248536	Spp1
ENSMUSG00000015013	3311.368	-0.485	0.097	-4.986	6.2E-07	3.9802E-06	Trappc21
ENSMUSG00000075232	696.081	-0.485	0.144	-3.362	7.7E-04	0.00312934	Amd1
ENSMUSG00000074182	731.372	-0.485	0.179	-2.711	6.7E-03	0.02209623	Znhit6
ENSMUSG00000067369	569.093	-0.486	0.173	-2.810	4.9E-03	0.0169261	Trmt2b
ENSMUSG00000020070	454.558	-0.486	0.198	-2.454	1.4E-02	0.04238623	Rufy2
ENSMUSG00000032177	706.791	-0.487	0.176	-2.764	5.7E-03	0.0191578	Pde4a
ENSMUSG00000027381	6296.152	-0.487	0.128	-3.802	1.4E-04	0.00066628	Bcl2l11
ENSMUSG00000026014	1050.061	-0.487	0.158	-3.085	2.0E-03	0.00759023	Raph1
ENSMUSG00000058239	361.615	-0.487	0.196	-2.491	1.3E-02	0.03870062	Usf2
ENSMUSG00000019362	7179.731	-0.488	0.094	-5.176	2.3E-07	1.5514E-06	D8Ertd738e
ENSMUSG00000005846	4413.964	-0.488	0.097	-5.005	5.6E-07	3.623E-06	Rsl1d1
ENSMUSG00000020380	906.374	-0.488	0.163	-2.996	2.7E-03	0.00994509	Rad50
ENSMUSG00000021693	946.365	-0.488	0.175	-2.790	5.3E-03	0.01787486	Kif2a
ENSMUSG00000010936	5320.592	-0.488	0.092	-5.274	1.3E-07	9.4137E-07	Vac14
ENSMUSG00000032740	2621.651	-0.488	0.098	-5.002	5.7E-07	3.6769E-06	Ccdc88a
ENSMUSG00000039208	21240.382	-0.488	0.097	-5.036	4.7E-07	3.099E-06	Metrn1
ENSMUSG00000029030	7890.813	-0.488	0.085	-5.741	9.4E-09	7.529E-08	Tprgl
ENSMUSG00000062006	8140.057	-0.488	0.149	-3.279	1.0E-03	0.00412574	Rpl34
ENSMUSG00000026317	7800.006	-0.488	0.091	-5.360	8.3E-08	6.004E-07	Cln8
ENSMUSG00000031683	1844.844	-0.489	0.125	-3.900	9.6E-05	0.00045813	Lsm6
ENSMUSG00000090935	1369.857	-0.489	0.136	-3.595	3.2E-04	0.00141152	Synj2bp
ENSMUSG00000039542	1570.731	-0.489	0.146	-3.355	7.9E-04	0.00320643	Ncam1
ENSMUSG00000031904	1838.153	-0.490	0.174	-2.820	4.8E-03	0.01646891	Slc7a6
ENSMUSG00000031575	2530.576	-0.490	0.131	-3.743	1.8E-04	0.00082888	Ash2l
ENSMUSG00000026568	3619.529	-0.490	0.096	-5.090	3.6E-07	2.3858E-06	Mpc2
ENSMUSG00000044080	3709.639	-0.491	0.093	-5.273	1.3E-07	9.4636E-07	S100a1
ENSMUSG00000051506	1488.749	-0.491	0.137	-3.594	3.3E-04	0.00141655	Wdfy4
ENSMUSG00000037152	3988.399	-0.491	0.118	-4.153	3.3E-05	0.00016746	Ndufc1
ENSMUSG00000029478	1536.664	-0.491	0.149	-3.289	1.0E-03	0.00398576	Ncor2
ENSMUSG00000029192	1623.510	-0.492	0.185	-2.656	7.9E-03	0.02547089	Tbc1d14

ENSMUSG00000058833	2957.244	-0.492	0.084	-5.859	4.7E-09	3.8579E-08	Rex1bd
ENSMUSG00000037295	5569.494	-0.492	0.096	-5.133	2.9E-07	1.9288E-06	Ldlrap1
ENSMUSG00000032295	1561.549	-0.492	0.171	-2.871	4.1E-03	0.01423167	Man2c1
ENSMUSG00000045594	6106.033	-0.492	0.091	-5.398	6.7E-08	4.9131E-07	Glb1
ENSMUSG00000060636	4422.490	-0.493	0.126	-3.899	9.7E-05	0.00045962	Rpl35a
ENSMUSG00000098234	689.775	-0.493	0.138	-3.562	3.7E-04	0.00158161	Snhg6
ENSMUSG00000035629	976.886	-0.493	0.151	-3.273	1.1E-03	0.00420398	Rubcn
ENSMUSG00000014294	7869.055	-0.493	0.136	-3.633	2.8E-04	0.00123413	Ndufa2
ENSMUSG00000035958	746.322	-0.493	0.175	-2.819	4.8E-03	0.01652123	Tdp2
ENSMUSG00000079641	1878.778	-0.493	0.171	-2.882	4.0E-03	0.01380393	Rpl39
ENSMUSG00000054648	827.947	-0.493	0.163	-3.035	2.4E-03	0.00884154	Zfp869
ENSMUSG00000026082	584.920	-0.493	0.194	-2.538	1.1E-02	0.03441587	Rev1
ENSMUSG00000024740	8428.324	-0.494	0.103	-4.803	1.6E-06	9.6019E-06	Ddb1
ENSMUSG00000022031	924.767	-0.494	0.175	-2.822	4.8E-03	0.0163878	Elp3
ENSMUSG00000020130	2347.691	-0.494	0.106	-4.674	3.0E-06	1.761E-05	Tbc1d15
ENSMUSG00000003873	9502.687	-0.495	0.082	-6.035	1.6E-09	1.3727E-08	Bax
ENSMUSG00000004462	1071.530	-0.495	0.172	-2.882	3.9E-03	0.0137925	Tbccd1
ENSMUSG00000040818	1813.721	-0.495	0.162	-3.056	2.2E-03	0.00829532	Dennd6a
ENSMUSG00000042705	2550.186	-0.495	0.115	-4.327	1.5E-05	8.1413E-05	Comm10
ENSMUSG00000038279	3426.361	-0.496	0.140	-3.531	4.1E-04	0.00176522	Nop2
ENSMUSG00000040105	569.528	-0.496	0.184	-2.700	6.9E-03	0.02277287	Plpp6
ENSMUSG00000042271	756.170	-0.496	0.146	-3.395	6.9E-04	0.00280161	Nxt2
ENSMUSG00000002326	736.382	-0.497	0.123	-4.040	5.3E-05	0.00026585	Gmpr2
ENSMUSG00000048310	1082.851	-0.497	0.179	-2.777	5.5E-03	0.0185176	Pskh1
ENSMUSG00000027997	1345.240	-0.497	0.147	-3.393	6.9E-04	0.00281986	Casp6
ENSMUSG00000027160	558.563	-0.497	0.188	-2.639	8.3E-03	0.02663239	Ccdc34
ENSMUSG00000024271	3239.523	-0.498	0.122	-4.063	4.8E-05	0.0002422	Elp2
ENSMUSG00000027108	2338.480	-0.498	0.109	-4.571	4.9E-06	2.8087E-05	Ola1
ENSMUSG00000073702	2074.692	-0.498	0.132	-3.776	1.6E-04	0.00073331	Rpl31
ENSMUSG00000063802	2646.794	-0.498	0.118	-4.237	2.3E-05	0.00011909	Hspbp1
ENSMUSG00000047719	1250.297	-0.498	0.134	-3.709	2.1E-04	0.00093823	Ubiad1
ENSMUSG00000011427	468.334	-0.499	0.205	-2.430	1.5E-02	0.04491036	Zfp790
ENSMUSG00000028969	1598.532	-0.500	0.094	-5.304	1.1E-07	8.0573E-07	Cdk5
ENSMUSG00000024780	1611.956	-0.500	0.110	-4.560	5.1E-06	2.9519E-05	Cdc3711
ENSMUSG00000053644	1168.679	-0.500	0.183	-2.740	6.1E-03	0.02047092	Aldh7a1
ENSMUSG00000025135	5987.716	-0.500	0.093	-5.408	6.4E-08	4.6516E-07	Anapc11
ENSMUSG00000048924	1060.327	-0.501	0.209	-2.397	1.7E-02	0.04868044	Ccdc125
ENSMUSG00000021692	564.633	-0.501	0.165	-3.029	2.5E-03	0.00900591	Dimt1
ENSMUSG00000003623	1206.452	-0.501	0.150	-3.345	8.2E-04	0.00332026	Crot
ENSMUSG00000003970	18404.662	-0.502	0.081	-6.199	5.7E-10	5.1052E-09	Rpl18
ENSMUSG00000021235	839.633	-0.502	0.144	-3.494	4.8E-04	0.00200247	Coq6
ENSMUSG00000089785	256.185	-0.502	0.169	-2.973	2.9E-03	0.01063281	Slc25a5-ps
ENSMUSG00000017376	1140.355	-0.502	0.168	-2.983	2.9E-03	0.01033484	Nlk
ENSMUSG00000049580	1037.681	-0.503	0.151	-3.319	9.0E-04	0.00361522	Tsku
ENSMUSG00000064109	1526.327	-0.503	0.146	-3.449	5.6E-04	0.00233647	Hcst
ENSMUSG00000068922	884.193	-0.503	0.205	-2.453	1.4E-02	0.04249643	Msto1
ENSMUSG00000022721	3095.699	-0.504	0.116	-4.349	1.4E-05	7.4107E-05	Trmt2a
ENSMUSG00000076218	287.124	-0.504	0.146	-3.448	5.6E-04	0.00234372	Mir692-1
ENSMUSG00000009350	9244.554	-0.504	0.149	-3.387	7.1E-04	0.00288167	Mpo
ENSMUSG00000074457	1296.885	-0.504	0.195	-2.593	9.5E-03	0.0298914	S100a16
ENSMUSG00000021548	2422.670	-0.505	0.112	-4.496	6.9E-06	3.9251E-05	Ccnh
ENSMUSG00000049232	1031.565	-0.505	0.164	-3.079	2.1E-03	0.00772945	Tigd2

ENSMUSG00000058267	4925.581	-0.506	0.098	-5.138	2.8E-07	1.8763E-06	Mrps14
ENSMUSG00000020692	839.592	-0.506	0.159	-3.194	1.4E-03	0.00540876	Nle1
ENSMUSG00000074800	628.619	-0.506	0.125	-4.037	5.4E-05	0.00026865	Gm4149
ENSMUSG00000024608	18105.184	-0.506	0.133	-3.814	1.4E-04	0.00063761	Rps14
ENSMUSG00000019823	1066.396	-0.507	0.181	-2.801	5.1E-03	0.0173531	Mical1
ENSMUSG00000024817	2721.227	-0.507	0.112	-4.532	5.9E-06	3.3473E-05	Uhrf2
ENSMUSG00000104960	271.501	-0.507	0.193	-2.629	8.6E-03	0.02733294	Snhg8
ENSMUSG00000042699	395.198	-0.508	0.208	-2.444	1.5E-02	0.04348968	Dhx9
ENSMUSG00000027599	2109.184	-0.508	0.078	-6.472	9.6E-11	9.2649E-10	Armc1
ENSMUSG00000034892	3027.019	-0.508	0.178	-2.857	4.3E-03	0.01484738	Rps29
ENSMUSG00000025785	1448.971	-0.508	0.161	-3.154	1.6E-03	0.00613072	Exosc7
ENSMUSG00000022914	1737.128	-0.509	0.143	-3.553	3.8E-04	0.00163395	Brwd1
ENSMUSG00000039068	1874.251	-0.509	0.095	-5.374	7.7E-08	5.5684E-07	Zzz3
ENSMUSG00000021018	832.762	-0.509	0.165	-3.079	2.1E-03	0.00773629	Polr2h
ENSMUSG00000024309	2126.672	-0.510	0.112	-4.549	5.4E-06	3.0934E-05	Pfdn6
ENSMUSG00000026667	1791.180	-0.510	0.118	-4.306	1.7E-05	8.921E-05	Uhmk1
ENSMUSG00000029610	607.416	-0.510	0.140	-3.634	2.8E-04	0.00123218	Aimp2
ENSMUSG00000036202	703.453	-0.510	0.198	-2.578	9.9E-03	0.03105945	Rif1
ENSMUSG00000038150	1277.201	-0.510	0.127	-4.009	6.1E-05	0.00030117	Ormd13
ENSMUSG00000038000	2062.465	-0.510	0.123	-4.162	3.2E-05	0.00016139	Acd
ENSMUSG00000109241	279.970	-0.510	0.139	-3.664	2.5E-04	0.00110546	Gm7434
ENSMUSG00000051185	4459.998	-0.511	0.078	-6.561	5.3E-11	5.2365E-10	Fam174a
ENSMUSG00000037060	720.114	-0.511	0.167	-3.059	2.2E-03	0.0082298	Cavin3
ENSMUSG00000051234	3534.314	-0.512	0.082	-6.239	4.4E-10	3.9959E-09	Rnf7
ENSMUSG00000025381	3218.663	-0.512	0.092	-5.574	2.5E-08	1.9004E-07	Cnpy2
ENSMUSG00000028986	846.038	-0.512	0.154	-3.338	8.4E-04	0.00338788	Klh17
ENSMUSG00000040751	3474.047	-0.513	0.133	-3.850	1.2E-04	0.00055401	Lat2
ENSMUSG00000038417	1279.769	-0.513	0.126	-4.066	4.8E-05	0.00023993	Fig4
ENSMUSG00000073423	526.594	-0.513	0.179	-2.864	4.2E-03	0.0145337	Zfp414
ENSMUSG00000080763	201.351	-0.513	0.200	-2.564	1.0E-02	0.03219916	Gm12341
ENSMUSG00000032705	613.065	-0.513	0.173	-2.970	3.0E-03	0.01071587	Exd2
ENSMUSG00000020156	997.854	-0.514	0.148	-3.465	5.3E-04	0.00220907	Pwwp3a
ENSMUSG00000040029	1842.308	-0.514	0.102	-5.032	4.9E-07	3.1642E-06	Ipo8
ENSMUSG00000062116	574.179	-0.514	0.172	-2.993	2.8E-03	0.01002256	Zfp954
ENSMUSG00000021794	6399.250	-0.514	0.075	-6.865	6.7E-12	7.0172E-11	Glud1
ENSMUSG00000001829	1851.707	-0.515	0.129	-3.995	6.5E-05	0.00031708	Clpb
ENSMUSG00000061024	2784.172	-0.516	0.126	-4.103	4.1E-05	0.00020585	Rrs1
ENSMUSG00000028495	4014.108	-0.516	0.101	-5.116	3.1E-07	2.0872E-06	Rps6
ENSMUSG00000096780	327.577	-0.516	0.148	-3.491	4.8E-04	0.00202375	Tmem181b-ps
ENSMUSG00000024773	1260.721	-0.516	0.163	-3.174	1.5E-03	0.00577894	Atg2a
ENSMUSG00000030609	2424.300	-0.516	0.107	-4.819	1.4E-06	8.8909E-06	Aen
ENSMUSG00000036430	2166.878	-0.516	0.086	-6.027	1.7E-09	1.4422E-08	Tbcc
ENSMUSG00000030980	2354.573	-0.516	0.076	-6.800	1.0E-11	1.0837E-10	Knop1
ENSMUSG00000062083	173.788	-0.517	0.214	-2.411	1.6E-02	0.04705049	Rpl13a-ps1
ENSMUSG00000021982	1049.446	-0.517	0.155	-3.339	8.4E-04	0.00338682	Cdadcl
ENSMUSG00000028741	1833.473	-0.517	0.117	-4.419	9.9E-06	5.4841E-05	Mrto4
ENSMUSG00000068739	4632.171	-0.517	0.092	-5.623	1.9E-08	1.4512E-07	Sars
ENSMUSG00000033991	531.510	-0.517	0.207	-2.501	1.2E-02	0.0377484	Ttc37
ENSMUSG00000022439	3996.253	-0.518	0.104	-4.956	7.2E-07	4.5981E-06	Parvg
ENSMUSG00000053173	356.652	-0.518	0.152	-3.402	6.7E-04	0.00273496	Rpl18-ps2
ENSMUSG00000046949	1102.186	-0.518	0.120	-4.301	1.7E-05	9.0777E-05	Nqo2
ENSMUSG00000074064	1195.137	-0.518	0.184	-2.821	4.8E-03	0.01640657	Mlycd

ENSMUSG00000036391	2020.826	-0.518	0.150	-3.443	5.7E-04	0.00238251	Sec24a
ENSMUSG00000038812	1617.593	-0.518	0.159	-3.270	1.1E-03	0.00423799	Trmt112
ENSMUSG00000024359	9833.414	-0.519	0.068	-7.679	1.6E-14	2.0546E-13	Hspa9
ENSMUSG00000030970	2103.661	-0.519	0.119	-4.354	1.3E-05	7.2752E-05	Ctbp2
ENSMUSG00000030986	1434.604	-0.520	0.186	-2.792	5.2E-03	0.0177976	Dhx32
ENSMUSG00000021496	1008.532	-0.520	0.134	-3.881	1.0E-04	0.00049183	Pcbd2
ENSMUSG00000017286	2610.195	-0.521	0.111	-4.712	2.5E-06	1.4761E-05	Glod4
ENSMUSG00000022812	7868.864	-0.521	0.099	-5.261	1.4E-07	1.0028E-06	Gsk3b
ENSMUSG00000082978	173.210	-0.522	0.186	-2.803	5.1E-03	0.01726784	Rpsa-ps11
ENSMUSG00000036896	129765.057	-0.522	0.121	-4.300	1.7E-05	9.1283E-05	C1qc
ENSMUSG00000020459	980.993	-0.522	0.149	-3.501	4.6E-04	0.00195116	Mtif2
ENSMUSG00000035941	912.829	-0.523	0.161	-3.244	1.2E-03	0.00462814	Ibtk
ENSMUSG00000025364	7135.198	-0.523	0.101	-5.157	2.5E-07	1.709E-06	Pa2g4
ENSMUSG00000021474	3690.515	-0.523	0.113	-4.645	3.4E-06	2.0082E-05	Sfxn1
ENSMUSG00000024442	1051.538	-0.523	0.118	-4.419	9.9E-06	5.4999E-05	Dele1
ENSMUSG00000020430	3610.479	-0.523	0.087	-6.037	1.6E-09	1.3587E-08	Pes1
ENSMUSG00000030983	2163.729	-0.524	0.106	-4.961	7.0E-07	4.4982E-06	Bccip
ENSMUSG00000072704	3153.378	-0.524	0.095	-5.506	3.7E-08	2.7576E-07	Smim1011
ENSMUSG00000117679	1272.741	-0.524	0.126	-4.142	3.4E-05	0.00017531	Apbb3
ENSMUSG00000041199	664.273	-0.525	0.188	-2.790	5.3E-03	0.01789117	Rpusd1
ENSMUSG00000023110	1722.247	-0.525	0.166	-3.151	1.6E-03	0.00618451	Prmt5
ENSMUSG00000002010	6304.069	-0.525	0.076	-6.938	4.0E-12	4.2989E-11	Idh3g
ENSMUSG00000036893	2314.042	-0.525	0.106	-4.943	7.7E-07	4.9132E-06	Ehmt1
ENSMUSG00000044167	547.121	-0.526	0.187	-2.818	4.8E-03	0.01657785	Foxo1
ENSMUSG00000028964	6835.693	-0.526	0.078	-6.755	1.4E-11	1.4583E-10	Park7
ENSMUSG00000024527	3601.223	-0.526	0.113	-4.632	3.6E-06	2.1286E-05	Afg3l2
ENSMUSG00000034109	1092.213	-0.526	0.148	-3.554	3.8E-04	0.00162934	Golim4
ENSMUSG00000000916	880.070	-0.526	0.131	-3.999	6.4E-05	0.00031221	Nsun5
ENSMUSG00000042831	1766.185	-0.526	0.120	-4.367	1.3E-05	6.8771E-05	Alkbh6
ENSMUSG00000028096	752.158	-0.526	0.119	-4.416	1.0E-05	5.5698E-05	Gpr89
ENSMUSG00000021775	866.906	-0.526	0.181	-2.915	3.6E-03	0.01256905	Nr1d2
ENSMUSG00000017999	2673.279	-0.527	0.126	-4.182	2.9E-05	0.00014864	Ddx27
ENSMUSG00000030105	10633.766	-0.527	0.070	-7.514	5.7E-14	7.089E-13	Arl8b
ENSMUSG00000003824	551.058	-0.527	0.155	-3.397	6.8E-04	0.00278192	Syce2
ENSMUSG00000021171	1923.952	-0.527	0.158	-3.328	8.7E-04	0.00350266	Esyt2
ENSMUSG00000030741	3455.351	-0.528	0.125	-4.228	2.4E-05	0.00012347	Spns1
ENSMUSG00000078429	1339.240	-0.528	0.147	-3.590	3.3E-04	0.00143735	Ctdsp2
ENSMUSG00000034744	4171.438	-0.528	0.100	-5.291	1.2E-07	8.6228E-07	Nagk
ENSMUSG00000078681	2203.616	-0.529	0.111	-4.773	1.8E-06	1.1066E-05	Tm2d3
ENSMUSG00000059355	791.210	-0.529	0.142	-3.718	2.0E-04	0.00090595	Wdr83os
ENSMUSG00000058064	367.806	-0.529	0.145	-3.652	2.6E-04	0.00115278	Gm10036
ENSMUSG00000093930	2110.212	-0.530	0.124	-4.281	1.9E-05	9.9057E-05	Hmgcs1
ENSMUSG00000031353	6003.632	-0.530	0.105	-5.036	4.7E-07	3.1008E-06	Rbbp7
ENSMUSG00000021375	786.693	-0.530	0.202	-2.629	8.6E-03	0.02733352	Kifl3a
ENSMUSG00000051671	673.769	-0.530	0.117	-4.531	5.9E-06	3.3517E-05	Coa6
ENSMUSG00000020219	7198.229	-0.531	0.095	-5.558	2.7E-08	2.084E-07	Timm13
ENSMUSG00000063480	1509.069	-0.531	0.095	-5.600	2.1E-08	1.6564E-07	Snu13
ENSMUSG00000026374	7846.695	-0.531	0.080	-6.620	3.6E-11	3.5626E-10	Tsn
ENSMUSG00000114104	1379.020	-0.532	0.219	-2.432	1.5E-02	0.04472375	Gm47585
ENSMUSG00000028187	1511.316	-0.532	0.131	-4.076	4.6E-05	0.00022951	Rpfl
ENSMUSG00000032320	4509.937	-0.533	0.092	-5.805	6.4E-09	5.2282E-08	Rcn2
ENSMUSG00000042870	859.633	-0.533	0.111	-4.809	1.5E-06	9.3411E-06	Tom1

ENSMUSG00000059895	2039.461	-0.533	0.127	-4.197	2.7E-05	0.00014024	Ptp4a3
ENSMUSG00000025227	1304.400	-0.533	0.141	-3.782	1.6E-04	0.00071639	Mfsd13a
ENSMUSG00000024160	228.155	-0.533	0.215	-2.477	1.3E-02	0.04013439	Spsb3
ENSMUSG00000044308	535.373	-0.534	0.202	-2.648	8.1E-03	0.02605376	Ubr3
ENSMUSG00000032120	1011.601	-0.534	0.180	-2.973	3.0E-03	0.01065617	C2cd21
ENSMUSG00000038014	4411.307	-0.534	0.124	-4.309	1.6E-05	8.7798E-05	Fam120a
ENSMUSG00000055762	4990.035	-0.535	0.094	-5.691	1.3E-08	9.9574E-08	Eef1d
ENSMUSG00000095597	169.262	-0.535	0.197	-2.712	6.7E-03	0.02208274	Rps7-ps3
ENSMUSG00000038429	5029.290	-0.535	0.097	-5.490	4.0E-08	3.0039E-07	Usp5
ENSMUSG00000028223	643.613	-0.536	0.187	-2.862	4.2E-03	0.01461175	Decr1
ENSMUSG00000021701	9710.219	-0.536	0.122	-4.396	1.1E-05	6.0578E-05	Plk2
ENSMUSG00000059033	501.665	-0.536	0.127	-4.238	2.3E-05	0.00011842	Rpl18a-ps1
ENSMUSG00000021963	2570.591	-0.537	0.092	-5.841	5.2E-09	4.2631E-08	Sap18
ENSMUSG00000031320	6200.476	-0.537	0.115	-4.659	3.2E-06	1.8907E-05	Rps4x
ENSMUSG00000022450	3865.647	-0.537	0.139	-3.875	1.1E-04	0.00050408	Ndufa6
ENSMUSG00000094974	127.034	-0.538	0.218	-2.461	1.4E-02	0.04172006	Rps19-ps2
ENSMUSG00000001100	2810.079	-0.538	0.111	-4.824	1.4E-06	8.6982E-06	Poldip2
ENSMUSG00000028161	9159.981	-0.539	0.080	-6.724	1.8E-11	1.7982E-10	Ppp3ca
ENSMUSG00000056153	1532.342	-0.539	0.167	-3.222	1.3E-03	0.00495931	Socs6
ENSMUSG00000032026	6721.957	-0.540	0.066	-8.162	3.3E-16	4.7343E-15	Rexo2
ENSMUSG00000029554	986.777	-0.540	0.149	-3.623	2.9E-04	0.00127746	Mad111
ENSMUSG00000038502	4434.222	-0.540	0.104	-5.207	1.9E-07	1.3193E-06	Ptov1
ENSMUSG00000021770	1663.414	-0.540	0.157	-3.449	5.6E-04	0.00233932	Samd8
ENSMUSG00000069439	132.319	-0.540	0.207	-2.610	9.1E-03	0.02866475	Gm8444
ENSMUSG00000027809	1590.185	-0.541	0.128	-4.208	2.6E-05	0.0001338	Etfdh
ENSMUSG00000058056	4069.901	-0.541	0.125	-4.330	1.5E-05	8.0454E-05	Palld
ENSMUSG00000055923	217.535	-0.541	0.220	-2.462	1.4E-02	0.04157975	Aasdh
ENSMUSG00000020561	1662.604	-0.541	0.118	-4.573	4.8E-06	2.7854E-05	Polr1f
ENSMUSG00000080860	257.085	-0.542	0.201	-2.697	7.0E-03	0.02291367	Gm13815
ENSMUSG00000048677	3216.512	-0.542	0.120	-4.508	6.5E-06	3.7236E-05	Tpcn2
ENSMUSG00000020143	3623.965	-0.542	0.118	-4.616	3.9E-06	2.2906E-05	Dock2
ENSMUSG00000030282	4763.842	-0.543	0.087	-6.251	4.1E-10	3.7135E-09	Cmas
ENSMUSG00000061315	5918.009	-0.543	0.113	-4.788	1.7E-06	1.0344E-05	Naca
ENSMUSG00000021218	25202.957	-0.543	0.065	-8.310	9.6E-17	1.4259E-15	Gdi2
ENSMUSG00000023089	3005.284	-0.543	0.150	-3.625	2.9E-04	0.00127147	Ndufa5
ENSMUSG00000073775	1353.316	-0.543	0.140	-3.876	1.1E-04	0.00050232	Kti12
ENSMUSG00000008682	17597.357	-0.543	0.141	-3.841	1.2E-04	0.00057348	Rpl10
ENSMUSG00000097296	248.300	-0.544	0.218	-2.492	1.3E-02	0.03863358	Gm26532
ENSMUSG00000034312	914.981	-0.544	0.187	-2.909	3.6E-03	0.01278609	Iqsec1
ENSMUSG00000070738	2098.011	-0.544	0.135	-4.042	5.3E-05	0.00026379	Dgkd
ENSMUSG00000031838	2697.865	-0.544	0.155	-3.511	4.5E-04	0.00189042	Ifi30
ENSMUSG00000030342	18279.466	-0.544	0.150	-3.623	2.9E-04	0.00127813	Cd9
ENSMUSG00000028980	2839.972	-0.545	0.175	-3.122	1.8E-03	0.00677596	H6pd
ENSMUSG00000020321	5535.238	-0.545	0.075	-7.304	2.8E-13	3.3186E-12	Mdh1
ENSMUSG00000110344	244.730	-0.545	0.219	-2.487	1.3E-02	0.03911976	Gm45716
ENSMUSG00000033373	669.612	-0.545	0.187	-2.918	3.5E-03	0.01246823	Fntb
ENSMUSG00000033285	1312.053	-0.545	0.146	-3.724	2.0E-04	0.00088794	Wdr3
ENSMUSG00000022676	576.075	-0.545	0.218	-2.502	1.2E-02	0.03770362	Snai2
ENSMUSG00000059689	1033.444	-0.546	0.144	-3.786	1.5E-04	0.00070582	Zfp637
ENSMUSG00000058443	967.871	-0.546	0.105	-5.188	2.1E-07	1.4544E-06	Rpl10-ps3
ENSMUSG00000032959	3550.844	-0.546	0.077	-7.062	1.6E-12	1.8176E-11	Pebp1
ENSMUSG00000039515	5173.296	-0.547	0.101	-5.426	5.7E-08	4.228E-07	Ptpa

ENSMUSG00000033033	754.343	-0.547	0.168	-3.247	1.2E-03	0.00457246	Calhm2
ENSMUSG00000002059	1233.133	-0.547	0.171	-3.197	1.4E-03	0.00535918	Rab34
ENSMUSG00000032621	2126.497	-0.547	0.089	-6.172	6.8E-10	6.0429E-09	Srek1
ENSMUSG00000072576	162.619	-0.548	0.209	-2.615	8.9E-03	0.02828468	Gm16020
ENSMUSG00000037905	2429.104	-0.548	0.134	-4.099	4.1E-05	0.00020889	Bri3bp
ENSMUSG00000045671	697.033	-0.548	0.177	-3.093	2.0E-03	0.00740944	Spred2
ENSMUSG00000005354	6271.042	-0.548	0.085	-6.471	9.7E-11	9.3446E-10	Txn2
ENSMUSG00000025144	3367.911	-0.548	0.113	-4.874	1.1E-06	6.8439E-06	Cenpx
ENSMUSG00000026554	3103.386	-0.549	0.100	-5.489	4.0E-08	3.0241E-07	Dcaf8
ENSMUSG00000004393	3685.560	-0.549	0.108	-5.070	4.0E-07	2.6229E-06	Ddx56
ENSMUSG00000031166	2161.201	-0.549	0.118	-4.655	3.2E-06	1.925E-05	Wdr13
ENSMUSG00000039201	538.623	-0.549	0.148	-3.709	2.1E-04	0.00093801	Tbc1d25
ENSMUSG00000031835	1797.370	-0.550	0.136	-4.032	5.5E-05	0.00027445	Mbtps1
ENSMUSG00000021054	3221.888	-0.550	0.168	-3.270	1.1E-03	0.00424341	Sgpp1
ENSMUSG00000074212	1869.268	-0.550	0.128	-4.292	1.8E-05	9.4455E-05	Dnajb14
ENSMUSG00000039016	1465.560	-0.550	0.133	-4.145	3.4E-05	0.00017283	Timm8b
ENSMUSG00000043300	2015.110	-0.550	0.171	-3.220	1.3E-03	0.00498297	B3galnt1
ENSMUSG00000027394	780.535	-0.551	0.182	-3.023	2.5E-03	0.00915122	Ttl
ENSMUSG00000090112	414.082	-0.551	0.197	-2.789	5.3E-03	0.01790861	Shprh
ENSMUSG00000015714	12689.788	-0.551	0.067	-8.237	1.8E-16	2.5876E-15	Cers2
ENSMUSG00000029209	619.711	-0.551	0.175	-3.160	1.6E-03	0.0060289	Gnpda2
ENSMUSG00000030521	1925.687	-0.552	0.150	-3.676	2.4E-04	0.00105899	Mphosph10
ENSMUSG00000031485	2006.685	-0.552	0.112	-4.925	8.4E-07	5.3482E-06	Plpbp
ENSMUSG00000051495	2107.500	-0.552	0.132	-4.172	3.0E-05	0.00015493	Irf2bp2
ENSMUSG00000025326	1588.607	-0.552	0.131	-4.211	2.5E-05	0.00013194	Ube3a
ENSMUSG00000028556	967.551	-0.552	0.165	-3.357	7.9E-04	0.00318773	Dock7
ENSMUSG00000029480	822.740	-0.553	0.163	-3.397	6.8E-04	0.00277993	Dhx37
ENSMUSG00000050323	606.713	-0.553	0.179	-3.089	2.0E-03	0.0074972	Ndufaf6
ENSMUSG00000071415	4881.797	-0.553	0.129	-4.285	1.8E-05	9.7291E-05	Rpl23
ENSMUSG00000032679	356.128	-0.553	0.224	-2.470	1.3E-02	0.04069583	Cd59a
ENSMUSG00000031776	2367.928	-0.553	0.103	-5.362	8.2E-08	5.9292E-07	Arl2bp
ENSMUSG00000033430	971.810	-0.553	0.154	-3.582	3.4E-04	0.00147604	Terf2ip
ENSMUSG00000025856	1804.403	-0.553	0.137	-4.042	5.3E-05	0.00026331	Pdgfa
ENSMUSG00000027162	3506.521	-0.553	0.105	-5.263	1.4E-07	9.9587E-07	Lin7c
ENSMUSG00000024993	3044.329	-0.553	0.077	-7.146	8.9E-13	1.005E-11	Dennd10
ENSMUSG00000027132	1089.343	-0.553	0.123	-4.509	6.5E-06	3.7143E-05	Katnb11
ENSMUSG00000028514	531.817	-0.554	0.175	-3.170	1.5E-03	0.00583562	Usp24
ENSMUSG00000025362	7462.006	-0.554	0.150	-3.701	2.1E-04	0.00096347	Rps26
ENSMUSG00000031749	1133.677	-0.554	0.186	-2.975	2.9E-03	0.01058368	St3gal2
ENSMUSG00000095526	149.964	-0.554	0.223	-2.488	1.3E-02	0.03902403	Gm10243
ENSMUSG00000086583	1029.815	-0.555	0.110	-5.063	4.1E-07	2.7203E-06	Gm15500
ENSMUSG00000039917	1685.112	-0.555	0.165	-3.371	7.5E-04	0.00303507	Rhbdd2
ENSMUSG00000020444	1979.719	-0.555	0.085	-6.548	5.8E-11	5.6853E-10	Guk1
ENSMUSG00000032332	1014.015	-0.556	0.168	-3.319	9.0E-04	0.00361383	Col12a1
ENSMUSG00000031358	1328.751	-0.556	0.119	-4.684	2.8E-06	1.6816E-05	Msl3
ENSMUSG00000045071	548.641	-0.556	0.199	-2.801	5.1E-03	0.01736248	E130308A19Rik
ENSMUSG00000026526	2247.361	-0.557	0.124	-4.498	6.8E-06	3.8853E-05	Fhl1
ENSMUSG00000046721	936.393	-0.557	0.090	-6.187	6.1E-10	5.4968E-09	Rpl14-ps1
ENSMUSG00000032288	1543.705	-0.557	0.121	-4.589	4.4E-06	2.5849E-05	Imp3
ENSMUSG00000038503	1803.893	-0.557	0.091	-6.108	1.0E-09	8.8802E-09	Mesd
ENSMUSG00000037104	1726.022	-0.558	0.127	-4.386	1.2E-05	6.3379E-05	Socs5
ENSMUSG00000041966	774.068	-0.558	0.147	-3.783	1.5E-04	0.0007132	Dcaf17

ENSMUSG00000034371	404.358	-0.559	0.232	-2.410	1.6E-02	0.04719853	Tkfc
ENSMUSG00000057469	1155.544	-0.559	0.151	-3.703	2.1E-04	0.00095703	E2f6
ENSMUSG00000050043	1317.812	-0.559	0.118	-4.751	2.0E-06	1.2308E-05	Tmx2
ENSMUSG00000019087	24538.959	-0.560	0.076	-7.328	2.3E-13	2.7765E-12	Atp6ap1
ENSMUSG00000081051	1481.272	-0.560	0.097	-5.796	6.8E-09	5.5012E-08	Gm15427
ENSMUSG00000037339	1752.940	-0.560	0.155	-3.613	3.0E-04	0.00132478	Fam53a
ENSMUSG00000026618	1705.780	-0.560	0.133	-4.222	2.4E-05	0.0001261	Iars2
ENSMUSG00000009927	8233.857	-0.561	0.138	-4.077	4.6E-05	0.00022908	Rps25
ENSMUSG00000032462	804.677	-0.561	0.185	-3.033	2.4E-03	0.00887552	Pik3cb
ENSMUSG00000042605	593.167	-0.561	0.193	-2.913	3.6E-03	0.01262226	Atxn2
ENSMUSG00000036775	1276.348	-0.561	0.191	-2.939	3.3E-03	0.01175397	Decr2
ENSMUSG00000037236	1935.182	-0.561	0.101	-5.553	2.8E-08	2.1335E-07	Matr3
ENSMUSG00000025921	631.381	-0.561	0.196	-2.860	4.2E-03	0.01471346	Rdh10
ENSMUSG00000042042	1015.060	-0.561	0.158	-3.550	3.9E-04	0.00165459	Csgalnact2
ENSMUSG00000026544	731.975	-0.562	0.217	-2.591	9.6E-03	0.03003383	Dusp23
ENSMUSG00000024068	1119.740	-0.562	0.115	-4.887	1.0E-06	6.4302E-06	Spast
ENSMUSG00000066324	2946.847	-0.562	0.101	-5.578	2.4E-08	1.8593E-07	Bpnt2
ENSMUSG00000054766	11840.502	-0.562	0.078	-7.191	6.4E-13	7.3949E-12	Set
ENSMUSG00000096199	429.156	-0.562	0.174	-3.229	1.2E-03	0.0048422	Ptrhd1
ENSMUSG00000004530	10193.999	-0.562	0.089	-6.322	2.6E-10	2.3962E-09	Coro1c
ENSMUSG00000025204	4588.294	-0.563	0.091	-6.162	7.2E-10	6.4027E-09	Ndufb8
ENSMUSG00000033554	1450.024	-0.563	0.132	-4.258	2.1E-05	0.0001086	Dph5
ENSMUSG00000020691	1269.842	-0.563	0.153	-3.688	2.3E-04	0.00101231	Mettl2
ENSMUSG00000031901	781.884	-0.563	0.187	-3.012	2.6E-03	0.00947977	Dus2
ENSMUSG00000028330	1663.598	-0.563	0.111	-5.071	4.0E-07	2.613E-06	Ncbp1
ENSMUSG00000025372	2090.370	-0.563	0.142	-3.974	7.1E-05	0.00034384	Baiap2
ENSMUSG00000039842	489.456	-0.563	0.166	-3.402	6.7E-04	0.0027353	Mcp1
ENSMUSG00000042694	387.933	-0.564	0.191	-2.958	3.1E-03	0.01111969	Stn1
ENSMUSG00000038451	3513.846	-0.564	0.127	-4.432	9.3E-06	5.1953E-05	Spsb2
ENSMUSG00000002731	717.202	-0.564	0.172	-3.280	1.0E-03	0.00410646	Prkra
ENSMUSG00000082064	303.307	-0.565	0.145	-3.906	9.4E-05	0.00044781	Rpl5-ps2
ENSMUSG00000032423	2078.401	-0.565	0.112	-5.043	4.6E-07	2.9936E-06	Syncrip
ENSMUSG00000072640	324.491	-0.565	0.220	-2.572	1.0E-02	0.03149023	Lym9
ENSMUSG00000030610	603.010	-0.565	0.205	-2.758	5.8E-03	0.01946968	Det1
ENSMUSG00000049792	1541.465	-0.565	0.127	-4.442	8.9E-06	4.9805E-05	Bag5
ENSMUSG00000033540	2237.695	-0.565	0.161	-3.506	4.5E-04	0.00191853	Idua
ENSMUSG00000053716	2466.395	-0.566	0.133	-4.260	2.0E-05	0.00010787	Dusp7
ENSMUSG00000057605	192.788	-0.566	0.190	-2.982	2.9E-03	0.01036323	Gm6807
ENSMUSG00000038539	1602.563	-0.566	0.148	-3.835	1.3E-04	0.00058756	Atf5
ENSMUSG00000030451	1162.173	-0.567	0.145	-3.918	8.9E-05	0.00042634	Herc2
ENSMUSG00000025995	1388.144	-0.567	0.158	-3.584	3.4E-04	0.00146778	Wdr75
ENSMUSG00000047084	702.061	-0.567	0.172	-3.289	1.0E-03	0.00398774	Ngrn
ENSMUSG00000027342	4890.905	-0.567	0.103	-5.531	3.2E-08	2.4119E-07	Pena
ENSMUSG00000005299	4849.312	-0.567	0.069	-8.198	2.4E-16	3.5464E-15	Letm1
ENSMUSG00000112239	124.414	-0.567	0.212	-2.681	7.3E-03	0.02388488	Gm17823
ENSMUSG00000043866	7051.925	-0.567	0.075	-7.594	3.1E-14	3.9061E-13	Taf10
ENSMUSG00000030400	380.726	-0.568	0.238	-2.389	1.7E-02	0.04959986	Ercc2
ENSMUSG00000035521	2063.469	-0.568	0.071	-8.004	1.2E-15	1.6628E-14	Gnptg
ENSMUSG00000020978	2316.090	-0.568	0.123	-4.617	3.9E-06	2.2852E-05	Klhdc2
ENSMUSG00000023156	953.330	-0.568	0.147	-3.867	1.1E-04	0.00051903	Rpp14
ENSMUSG00000020528	502.512	-0.568	0.237	-2.400	1.6E-02	0.04828498	Prpsap2
ENSMUSG00000046792	1608.097	-0.568	0.113	-5.031	4.9E-07	3.1849E-06	Zfp787

ENSMUSG00000026281	1841.007	-0.569	0.111	-5.106	3.3E-07	2.2012E-06	Dtymk
ENSMUSG00000078439	311.746	-0.570	0.226	-2.524	1.2E-02	0.03571852	Smim24
ENSMUSG00000023026	1486.050	-0.570	0.158	-3.599	3.2E-04	0.0013919	Dip2b
ENSMUSG00000037326	697.574	-0.570	0.182	-3.139	1.7E-03	0.00642695	Capn15
ENSMUSG00000042426	1065.243	-0.570	0.162	-3.511	4.5E-04	0.00189136	Dhx29
ENSMUSG00000040359	2331.589	-0.570	0.108	-5.304	1.1E-07	8.0643E-07	Ufl1
ENSMUSG00000027207	2827.758	-0.571	0.093	-6.163	7.2E-10	6.3843E-09	Galk2
ENSMUSG00000020700	3554.113	-0.571	0.145	-3.930	8.5E-05	0.00040728	Map3k3
ENSMUSG00000001467	1766.732	-0.571	0.162	-3.514	4.4E-04	0.00187304	Cyp51
ENSMUSG00000041439	661.977	-0.571	0.226	-2.530	1.1E-02	0.0351682	Mfsd6
ENSMUSG00000028960	1267.237	-0.571	0.129	-4.411	1.0E-05	5.6736E-05	Ube4b
ENSMUSG00000022671	382.033	-0.571	0.191	-2.987	2.8E-03	0.01021192	Mzt2
ENSMUSG00000082646	279.159	-0.571	0.201	-2.846	4.4E-03	0.01530042	Gm12732
ENSMUSG00000028700	1761.329	-0.571	0.150	-3.821	1.3E-04	0.00061947	Pomgnt1
ENSMUSG00000029050	1596.222	-0.572	0.144	-3.973	7.1E-05	0.00034505	Ski
ENSMUSG00000038604	2256.931	-0.572	0.138	-4.147	3.4E-05	0.00017152	Ripor1
ENSMUSG00000094664	313.119	-0.572	0.177	-3.232	1.2E-03	0.00479156	Rpl35a-ps6
ENSMUSG00000014907	215.427	-0.573	0.212	-2.706	6.8E-03	0.02241267	Naf1
ENSMUSG00000031578	602.840	-0.573	0.199	-2.874	4.1E-03	0.0141385	Mak16
ENSMUSG00000045128	16411.375	-0.573	0.128	-4.478	7.5E-06	4.2576E-05	Rpl18a
ENSMUSG00000028107	1398.499	-0.574	0.150	-3.831	1.3E-04	0.00059718	Tars2
ENSMUSG00000002985	#####	-0.575	0.139	-4.150	3.3E-05	0.0001698	ApoE
ENSMUSG00000024764	2195.450	-0.576	0.136	-4.227	2.4E-05	0.00012405	Naa40
ENSMUSG00000023571	807.166	-0.576	0.168	-3.420	6.3E-04	0.00257466	C1qtnf12
ENSMUSG00000024013	1819.456	-0.576	0.204	-2.827	4.7E-03	0.0161672	Fgd2
ENSMUSG00000056228	674.865	-0.577	0.146	-3.947	7.9E-05	0.00038264	Cars2
ENSMUSG00000028049	3576.230	-0.577	0.081	-7.088	1.4E-12	1.5162E-11	Scamp3
ENSMUSG00000036916	436.797	-0.577	0.144	-4.022	5.8E-05	0.00028542	Zfp280c
ENSMUSG00000066232	1411.612	-0.577	0.113	-5.128	2.9E-07	1.976E-06	Ipo7
ENSMUSG00000006476	1118.083	-0.577	0.184	-3.134	1.7E-03	0.006528	Nsmf
ENSMUSG00000074749	299.540	-0.577	0.198	-2.911	3.6E-03	0.01270582	Kiz
ENSMUSG00000033773	517.438	-0.577	0.221	-2.612	9.0E-03	0.02854537	Rpap2
ENSMUSG00000028102	1418.035	-0.577	0.102	-5.679	1.4E-08	1.063E-07	Pex11b
ENSMUSG00000032763	2393.030	-0.578	0.123	-4.694	2.7E-06	1.6081E-05	Ilvbl
ENSMUSG00000031158	2367.680	-0.578	0.144	-4.004	6.2E-05	0.00030657	Timm17b
ENSMUSG00000021951	1896.563	-0.578	0.107	-5.420	6.0E-08	4.3819E-07	Eef1akmt1
ENSMUSG00000011096	3668.255	-0.578	0.107	-5.425	5.8E-08	4.2686E-07	Akt1s1
ENSMUSG00000022210	885.634	-0.578	0.175	-3.294	9.9E-04	0.00391536	Dhrs4
ENSMUSG00000001642	2140.492	-0.578	0.095	-6.087	1.2E-09	1.0088E-08	Akr1b3
ENSMUSG00000024096	2862.474	-0.579	0.110	-5.269	1.4E-07	9.6398E-07	Ralbp1
ENSMUSG00000033105	421.983	-0.579	0.210	-2.758	5.8E-03	0.01945774	Lss
ENSMUSG00000048756	931.255	-0.579	0.153	-3.795	1.5E-04	0.00068328	Foxo3
ENSMUSG00000027236	1409.906	-0.579	0.103	-5.614	2.0E-08	1.5266E-07	Eif3j1
ENSMUSG00000029512	951.771	-0.579	0.159	-3.636	2.8E-04	0.00122145	Ulk1
ENSMUSG00000039001	3125.180	-0.579	0.168	-3.449	5.6E-04	0.00234046	Rps21
ENSMUSG00000049800	3054.525	-0.580	0.103	-5.649	1.6E-08	1.2574E-07	Sertad2
ENSMUSG00000105879	148.469	-0.580	0.190	-3.055	2.3E-03	0.00832607	Gm6204
ENSMUSG00000025868	1748.171	-0.580	0.123	-4.698	2.6E-06	1.5779E-05	Higd2a
ENSMUSG00000021175	400.902	-0.580	0.226	-2.563	1.0E-02	0.03230829	Cdca71
ENSMUSG00000071657	3830.577	-0.580	0.113	-5.153	2.6E-07	1.7378E-06	Bsel2
ENSMUSG00000091509	306.766	-0.581	0.211	-2.749	6.0E-03	0.01995304	Gm17066
ENSMUSG00000024446	1482.356	-0.581	0.128	-4.527	6.0E-06	3.4138E-05	Rpp21

ENSMUSG00000031023	1370.767	-0.582	0.109	-5.320	1.0E-07	7.3763E-07	Akip1
ENSMUSG00000031644	380.055	-0.582	0.190	-3.064	2.2E-03	0.00810412	Nek1
ENSMUSG00000037499	1336.100	-0.583	0.145	-4.025	5.7E-05	0.00028156	Nenf
ENSMUSG00000059447	1524.841	-0.583	0.101	-5.777	7.6E-09	6.1496E-08	Hadhb
ENSMUSG00000035776	614.375	-0.583	0.215	-2.707	6.8E-03	0.02234262	Cd9912
ENSMUSG00000044795	210.871	-0.583	0.188	-3.101	1.9E-03	0.00722954	Cyb5d1
ENSMUSG00000056019	378.718	-0.584	0.170	-3.428	6.1E-04	0.00250592	Zfp709
ENSMUSG00000048027	2314.734	-0.584	0.102	-5.733	9.9E-09	7.899E-08	Rgmb
ENSMUSG00000024844	14098.892	-0.584	0.117	-4.988	6.1E-07	3.9342E-06	Banfl
ENSMUSG00000107176	412.121	-0.585	0.136	-4.287	1.8E-05	9.6397E-05	Gm9794
ENSMUSG00000056602	323.050	-0.585	0.229	-2.554	1.1E-02	0.03309373	Fry
ENSMUSG00000022003	984.332	-0.586	0.212	-2.763	5.7E-03	0.01920824	Slc25a30
ENSMUSG00000058558	4891.425	-0.586	0.118	-4.952	7.3E-07	4.685E-06	Rpl5
ENSMUSG00000057841	13684.782	-0.586	0.133	-4.416	1.0E-05	5.5605E-05	Rpl32
ENSMUSG00000038271	811.999	-0.587	0.147	-3.990	6.6E-05	0.00032359	Iffo1
ENSMUSG00000035765	1338.666	-0.587	0.145	-4.034	5.5E-05	0.00027203	Dym
ENSMUSG00000020034	1278.428	-0.587	0.189	-3.104	1.9E-03	0.0071711	Tcp1112
ENSMUSG00000028243	398.397	-0.587	0.196	-2.986	2.8E-03	0.0102352	Ubxn2b
ENSMUSG00000001755	1393.055	-0.587	0.125	-4.695	2.7E-06	1.5973E-05	Coasy
ENSMUSG00000022051	3087.225	-0.587	0.108	-5.426	5.8E-08	4.2294E-07	Bnip31
ENSMUSG00000048371	1110.419	-0.587	0.163	-3.595	3.2E-04	0.00141274	Pdp2
ENSMUSG00000040407	1941.420	-0.587	0.120	-4.903	9.5E-07	5.9633E-06	Akap9
ENSMUSG00000016319	29623.324	-0.587	0.095	-6.169	6.9E-10	6.157E-09	Slc25a5
ENSMUSG00000015214	1835.827	-0.587	0.165	-3.567	3.6E-04	0.0015582	Mtmr1
ENSMUSG00000028906	2054.065	-0.588	0.127	-4.613	4.0E-06	2.3283E-05	Epb41
ENSMUSG00000061477	7028.155	-0.588	0.087	-6.766	1.3E-11	1.3613E-10	Rps7
ENSMUSG00000031534	915.263	-0.589	0.170	-3.458	5.4E-04	0.00226811	Smim19
ENSMUSG00000020392	2679.963	-0.589	0.091	-6.434	1.2E-10	1.1823E-09	Cdkn2aipnl
ENSMUSG00000071654	1452.127	-0.589	0.115	-5.098	3.4E-07	2.286E-06	Uqcc3
ENSMUSG00000025508	8986.151	-0.589	0.146	-4.023	5.8E-05	0.00028425	Rplp2
ENSMUSG00000032667	5191.435	-0.589	0.101	-5.862	4.6E-09	3.7925E-08	Pon2
ENSMUSG00000082474	103.715	-0.589	0.240	-2.455	1.4E-02	0.04229926	Gm8213
ENSMUSG00000038268	234.909	-0.589	0.210	-2.809	5.0E-03	0.01698228	Ovca2
ENSMUSG00000024063	735.639	-0.590	0.146	-4.028	5.6E-05	0.00027889	Lbh
ENSMUSG00000022528	1103.880	-0.590	0.183	-3.232	1.2E-03	0.0047978	Hes1
ENSMUSG00000028683	1301.379	-0.590	0.157	-3.758	1.7E-04	0.00078356	Eif2b3
ENSMUSG00000028101	1257.930	-0.590	0.155	-3.815	1.4E-04	0.00063396	Pias3
ENSMUSG00000018999	1606.203	-0.591	0.134	-4.422	9.8E-06	5.4245E-05	Slc35b4
ENSMUSG00000024854	973.836	-0.591	0.129	-4.587	4.5E-06	2.6076E-05	Pold4
ENSMUSG00000062867	1260.806	-0.591	0.130	-4.541	5.6E-06	3.2156E-05	Impdh2
ENSMUSG00000017760	42141.914	-0.592	0.083	-7.105	1.2E-12	1.3436E-11	Ctsa
ENSMUSG00000040463	3497.892	-0.592	0.142	-4.157	3.2E-05	0.00016483	Mybbp1a
ENSMUSG00000028251	431.408	-0.592	0.170	-3.475	5.1E-04	0.00213878	Tstd3
ENSMUSG00000034729	1544.657	-0.592	0.129	-4.579	4.7E-06	2.7056E-05	Mrps10
ENSMUSG00000018415	995.941	-0.592	0.138	-4.293	1.8E-05	9.4236E-05	Gid4
ENSMUSG00000058886	1177.999	-0.592	0.121	-4.891	1.0E-06	6.3166E-06	Deaf1
ENSMUSG00000019139	4589.972	-0.594	0.097	-6.109	1.0E-09	8.8021E-09	Isynal
ENSMUSG00000028173	4419.414	-0.594	0.121	-4.888	1.0E-06	6.3992E-06	Wls
ENSMUSG00000028068	302.137	-0.595	0.245	-2.424	1.5E-02	0.04558359	Iqgap3
ENSMUSG00000045435	1385.099	-0.595	0.135	-4.414	1.0E-05	5.6134E-05	Tmem60
ENSMUSG00000025026	1382.445	-0.596	0.173	-3.438	5.9E-04	0.0024232	Add3
ENSMUSG00000015882	474.407	-0.596	0.169	-3.521	4.3E-04	0.00182271	Lcorl

ENSMUSG00000047881	1598.025	-0.596	0.136	-4.390	1.1E-05	6.2257E-05	Rell1
ENSMUSG00000001436	1152.560	-0.596	0.172	-3.463	5.3E-04	0.00222803	Slc19a1
ENSMUSG00000058070	239.458	-0.596	0.220	-2.709	6.7E-03	0.02220459	Eml1
ENSMUSG00000027999	1058.783	-0.596	0.128	-4.650	3.3E-06	1.9697E-05	Pla2g12a
ENSMUSG00000081382	169.560	-0.597	0.179	-3.332	8.6E-04	0.0034619	Rpl18-ps1
ENSMUSG00000038080	669.382	-0.597	0.155	-3.856	1.2E-04	0.00054096	Kdm1b
ENSMUSG00000015176	2377.065	-0.597	0.104	-5.749	9.0E-09	7.1898E-08	Nolc1
ENSMUSG00000022550	942.202	-0.597	0.190	-3.146	1.7E-03	0.00629951	Adck5
ENSMUSG00000006344	482.662	-0.597	0.222	-2.686	7.2E-03	0.02354967	Ggt5
ENSMUSG00000022114	2755.166	-0.597	0.137	-4.357	1.3E-05	7.1757E-05	Spry2
ENSMUSG00000045237	613.853	-0.597	0.148	-4.037	5.4E-05	0.0002685	Eola1
ENSMUSG00000059159	1251.839	-0.598	0.149	-4.014	6.0E-05	0.00029488	Gm8129
ENSMUSG00000052428	4313.270	-0.598	0.086	-6.991	2.7E-12	2.9767E-11	Tmco1
ENSMUSG00000028248	2481.806	-0.598	0.110	-5.452	5.0E-08	3.6782E-07	Pnizr
ENSMUSG00000024378	757.121	-0.598	0.171	-3.495	4.7E-04	0.00199525	Stard4
ENSMUSG00000022704	392.243	-0.598	0.190	-3.152	1.6E-03	0.00617829	Qtrt2
ENSMUSG00000058600	949.362	-0.598	0.145	-4.122	3.7E-05	0.00019003	Rpl30
ENSMUSG00000005469	4062.017	-0.599	0.102	-5.845	5.1E-09	4.1648E-08	Prkaca
ENSMUSG00000017119	1628.527	-0.599	0.133	-4.489	7.2E-06	4.0555E-05	Nbr1
ENSMUSG00000033365	3009.245	-0.599	0.114	-5.256	1.5E-07	1.0334E-06	Ipo13
ENSMUSG00000039478	425.755	-0.599	0.174	-3.435	5.9E-04	0.00244945	Micu3
ENSMUSG00000079139	175.776	-0.599	0.233	-2.571	1.0E-02	0.03162646	Gm4204
ENSMUSG00000040560	836.045	-0.599	0.156	-3.848	1.2E-04	0.00055715	Wdr7
ENSMUSG00000055932	2253.306	-0.599	0.127	-4.725	2.3E-06	1.39E-05	Fto
ENSMUSG00000007817	3873.992	-0.600	0.111	-5.388	7.1E-08	5.1882E-07	Zmiz1
ENSMUSG00000027472	3466.491	-0.600	0.088	-6.815	9.5E-12	9.8397E-11	Pdrg1
ENSMUSG00000049521	673.576	-0.600	0.245	-2.447	1.4E-02	0.04314747	Cdc42ep1
ENSMUSG00000040177	568.474	-0.600	0.196	-3.056	2.2E-03	0.00829571	2310057M21Rik
ENSMUSG00000022358	369.651	-0.600	0.232	-2.586	9.7E-03	0.03043851	Fbxo32
ENSMUSG00000029033	808.431	-0.601	0.180	-3.328	8.7E-04	0.00350062	Acap3
ENSMUSG00000002222	592.286	-0.602	0.221	-2.716	6.6E-03	0.02184825	Rmnd5a
ENSMUSG00000008604	3895.183	-0.602	0.124	-4.836	1.3E-06	8.2046E-06	Ubqln4
ENSMUSG00000039787	679.548	-0.602	0.166	-3.615	3.0E-04	0.00131517	Cercam
ENSMUSG00000021000	4529.802	-0.602	0.109	-5.541	3.0E-08	2.2798E-07	Mia2
ENSMUSG00000027884	1697.928	-0.602	0.117	-5.126	3.0E-07	1.9908E-06	Clcc1
ENSMUSG00000040479	15859.858	-0.602	0.084	-7.162	8.0E-13	9.0535E-12	Dgkz
ENSMUSG00000020441	702.561	-0.603	0.142	-4.253	2.1E-05	0.00011109	2310033P09Rik
ENSMUSG00000082193	1105.836	-0.603	0.129	-4.689	2.7E-06	1.6425E-05	Rpl5-ps1
ENSMUSG00000028684	1652.116	-0.603	0.134	-4.496	6.9E-06	3.9265E-05	Urod
ENSMUSG00000082561	1379.832	-0.603	0.099	-6.066	1.3E-09	1.1411E-08	Gm15580
ENSMUSG00000021500	2780.102	-0.603	0.098	-6.125	9.1E-10	8.0285E-09	Ddx46
ENSMUSG00000039759	782.142	-0.604	0.127	-4.739	2.1E-06	1.3007E-05	Thap3
ENSMUSG00000032298	504.384	-0.604	0.205	-2.952	3.2E-03	0.01130089	Neil1
ENSMUSG00000073468	1519.927	-0.604	0.095	-6.335	2.4E-10	2.2178E-09	Sft2d1
ENSMUSG00000007338	1375.550	-0.604	0.136	-4.443	8.9E-06	4.9512E-05	Mrpl49
ENSMUSG00000057863	5508.223	-0.605	0.189	-3.191	1.4E-03	0.00546874	Rpl36
ENSMUSG00000042303	678.473	-0.605	0.191	-3.164	1.6E-03	0.00595726	Sgsm3
ENSMUSG00000019763	525.328	-0.606	0.180	-3.375	7.4E-04	0.00299636	Rmnd1
ENSMUSG00000028062	5610.265	-0.607	0.105	-5.773	7.8E-09	6.265E-08	Lamtor2
ENSMUSG00000034501	582.909	-0.607	0.198	-3.057	2.2E-03	0.00828051	Pcnx4
ENSMUSG00000038535	440.181	-0.607	0.230	-2.640	8.3E-03	0.02657047	Zfp280d
ENSMUSG00000093904	1912.917	-0.607	0.101	-6.031	1.6E-09	1.4053E-08	Tomm20

ENSMUSG00000016757	1026.508	-0.608	0.154	-3.946	7.9E-05	0.00038318	Ttll12
ENSMUSG00000032192	348.920	-0.609	0.249	-2.441	1.5E-02	0.0437642	Gnb5
ENSMUSG00000061979	701.939	-0.610	0.201	-3.036	2.4E-03	0.00880689	Rcc11
ENSMUSG00000117804	132.216	-0.610	0.229	-2.664	7.7E-03	0.02493119	Gm6252
ENSMUSG00000028550	1053.636	-0.611	0.180	-3.388	7.0E-04	0.00286491	Atg4c
ENSMUSG00000042569	1589.699	-0.611	0.103	-5.912	3.4E-09	2.8255E-08	Dhrs7b
ENSMUSG00000064341	49750.337	-0.612	0.082	-7.417	1.2E-13	1.4542E-12	mt-Nd1
ENSMUSG00000084416	367.041	-0.612	0.138	-4.430	9.4E-06	5.247E-05	Rpl10a-ps1
ENSMUSG00000078695	681.706	-0.612	0.171	-3.578	3.5E-04	0.00150102	Cisd3
ENSMUSG00000054079	2420.793	-0.612	0.114	-5.387	7.2E-08	5.2176E-07	Utp18
ENSMUSG00000056124	10679.126	-0.612	0.116	-5.288	1.2E-07	8.7368E-07	B4galt6
ENSMUSG00000035835	434.720	-0.613	0.215	-2.843	4.5E-03	0.01544752	Plppr3
ENSMUSG00000031907	1174.062	-0.613	0.180	-3.408	6.5E-04	0.00268316	Zfp90
ENSMUSG00000096699	199.044	-0.613	0.163	-3.760	1.7E-04	0.000779	Rps19-ps4
ENSMUSG00000027327	3994.146	-0.613	0.085	-7.201	6.0E-13	6.884E-12	1700037H04Rik
ENSMUSG00000035367	615.992	-0.613	0.132	-4.634	3.6E-06	2.1123E-05	Rmi1
ENSMUSG00000097669	142.768	-0.614	0.234	-2.623	8.7E-03	0.02777495	Gm8649
ENSMUSG00000091732	98.936	-0.614	0.245	-2.508	1.2E-02	0.03717341	Gm17541
ENSMUSG00000021177	836.985	-0.614	0.175	-3.512	4.4E-04	0.00188104	Tdp1
ENSMUSG00000038244	715.274	-0.614	0.229	-2.682	7.3E-03	0.02382401	Mical2
ENSMUSG00000028763	288.315	-0.614	0.252	-2.439	1.5E-02	0.04391407	Hspg2
ENSMUSG00000061983	1509.682	-0.614	0.163	-3.769	1.6E-04	0.00075208	Rps12
ENSMUSG00000031453	6696.542	-0.614	0.100	-6.121	9.3E-10	8.1879E-09	Rasa3
ENSMUSG00000020781	1015.212	-0.615	0.201	-3.065	2.2E-03	0.0080719	Tsen54
ENSMUSG00000031604	2903.670	-0.616	0.118	-5.201	2.0E-07	1.3648E-06	Msmo1
ENSMUSG00000062997	723.057	-0.616	0.131	-4.705	2.5E-06	1.5255E-05	Rpl35
ENSMUSG00000028910	1233.065	-0.616	0.182	-3.385	7.1E-04	0.00290281	Mecr
ENSMUSG00000087380	343.574	-0.616	0.159	-3.886	1.0E-04	0.00048283	2210408F21Rik
ENSMUSG00000064210	4917.313	-0.617	0.138	-4.459	8.2E-06	4.6182E-05	Ano6
ENSMUSG00000059070	15457.622	-0.617	0.139	-4.440	9.0E-06	5.0284E-05	Rpl18
ENSMUSG00000070692	145.285	-0.617	0.224	-2.750	6.0E-03	0.01992821	Rps12-ps10
ENSMUSG00000031826	1846.699	-0.617	0.136	-4.524	6.1E-06	3.4637E-05	Usp10
ENSMUSG00000074030	1475.990	-0.618	0.158	-3.904	9.4E-05	0.00044969	Exoc8
ENSMUSG00000023025	1481.692	-0.618	0.153	-4.039	5.4E-05	0.00026653	Larp4
ENSMUSG00000083429	118.851	-0.618	0.226	-2.738	6.2E-03	0.02056385	Gm15198
ENSMUSG00000031864	1113.999	-0.619	0.140	-4.425	9.6E-06	5.3411E-05	Ints10
ENSMUSG00000022559	2026.042	-0.619	0.116	-5.354	8.6E-08	6.2029E-07	Fbxl6
ENSMUSG00000024621	67896.828	-0.620	0.100	-6.205	5.5E-10	4.9177E-09	Csflr
ENSMUSG00000050192	329.880	-0.620	0.244	-2.544	1.1E-02	0.03394295	Eif5a2
ENSMUSG00000038982	632.034	-0.621	0.158	-3.916	9.0E-05	0.00043055	Bloc1s5
ENSMUSG00000034951	1337.965	-0.621	0.136	-4.570	4.9E-06	2.8212E-05	Cog7
ENSMUSG00000044986	377.217	-0.622	0.233	-2.669	7.6E-03	0.0246357	Tst
ENSMUSG00000021136	471.324	-0.622	0.220	-2.830	4.7E-03	0.01601787	Smoc1
ENSMUSG00000032518	5666.006	-0.623	0.134	-4.635	3.6E-06	2.1014E-05	Rpsa
ENSMUSG00000062353	248.024	-0.623	0.176	-3.538	4.0E-04	0.00172278	Gm15772
ENSMUSG00000020925	925.670	-0.623	0.173	-3.596	3.2E-04	0.0014068	Ccdc43
ENSMUSG00000051154	5274.360	-0.623	0.077	-8.047	8.5E-16	1.1811E-14	Commdd3
ENSMUSG00000015711	1230.878	-0.624	0.135	-4.618	3.9E-06	2.2751E-05	Prune1
ENSMUSG00000017670	4195.898	-0.624	0.109	-5.698	1.2E-08	9.5839E-08	Elmo2
ENSMUSG00000020823	5341.750	-0.624	0.124	-5.048	4.5E-07	2.9298E-06	Sec14l1
ENSMUSG00000029705	5530.661	-0.624	0.070	-8.954	3.4E-19	5.9361E-18	Cux1
ENSMUSG00000034175	991.194	-0.624	0.137	-4.555	5.3E-06	3.0191E-05	Rhbdd3

ENSMUSG00000022620	1656.991	-0.625	0.120	-5.211	1.9E-07	1.295E-06	Arsa
ENSMUSG00000031819	1681.958	-0.625	0.108	-5.794	6.9E-09	5.5537E-08	Emc8
ENSMUSG00000029918	685.353	-0.626	0.137	-4.563	5.0E-06	2.9034E-05	Mrps33
ENSMUSG00000021978	1739.820	-0.626	0.151	-4.137	3.5E-05	0.00017879	Extl3
ENSMUSG00000027406	7129.784	-0.626	0.081	-7.731	1.1E-14	1.3735E-13	Idh3b
ENSMUSG00000069808	482.389	-0.626	0.235	-2.669	7.6E-03	0.02461718	Tlcd3a
ENSMUSG00000048668	565.594	-0.627	0.211	-2.965	3.0E-03	0.01087829	Rhno1
ENSMUSG00000028603	3106.601	-0.627	0.081	-7.702	1.3E-14	1.7278E-13	Scp2
ENSMUSG00000033943	1018.867	-0.627	0.156	-4.021	5.8E-05	0.00028638	Mga
ENSMUSG00000011831	1056.082	-0.628	0.136	-4.627	3.7E-06	2.1789E-05	Evi5
ENSMUSG00000081434	132.426	-0.628	0.203	-3.098	1.9E-03	0.00730418	Gm14165
ENSMUSG00000024287	1734.655	-0.628	0.124	-5.077	3.8E-07	2.537E-06	Thoc1
ENSMUSG00000005102	457.827	-0.628	0.174	-3.608	3.1E-04	0.00134669	Eif2ak4
ENSMUSG00000030083	1845.311	-0.628	0.115	-5.467	4.6E-08	3.4027E-07	Abtb1
ENSMUSG00000002825	815.913	-0.628	0.196	-3.215	1.3E-03	0.00506746	Qtrt1
ENSMUSG00000070343	355.454	-0.629	0.174	-3.613	3.0E-04	0.00132123	Gm10288
ENSMUSG00000052684	9890.861	-0.629	0.082	-7.691	1.5E-14	1.8799E-13	Jun
ENSMUSG00000061474	810.200	-0.630	0.115	-5.467	4.6E-08	3.3947E-07	Mrps36
ENSMUSG00000029676	592.791	-0.631	0.190	-3.313	9.2E-04	0.0036802	Pot1a
ENSMUSG00000029238	713.278	-0.631	0.189	-3.344	8.3E-04	0.00333024	Clock
ENSMUSG00000033862	418.791	-0.631	0.215	-2.939	3.3E-03	0.01175729	Cdk10
ENSMUSG00000081344	1221.572	-0.632	0.174	-3.636	2.8E-04	0.00122193	Gm14303
ENSMUSG00000022471	915.639	-0.632	0.181	-3.481	5.0E-04	0.00209225	Xrcc6
ENSMUSG00000022177	653.685	-0.632	0.148	-4.276	1.9E-05	0.00010108	Haus4
ENSMUSG00000044991	671.773	-0.632	0.156	-4.053	5.0E-05	0.00025213	Shld1
ENSMUSG00000063253	660.798	-0.633	0.117	-5.396	6.8E-08	4.9516E-07	Scoc
ENSMUSG00000020706	2672.294	-0.633	0.109	-5.781	7.4E-09	6.0051E-08	Ftsj3
ENSMUSG00000039615	2675.058	-0.633	0.118	-5.361	8.3E-08	5.9696E-07	Stub1
ENSMUSG00000020167	3298.693	-0.633	0.123	-5.162	2.4E-07	1.6653E-06	Tcf3
ENSMUSG00000061758	1680.367	-0.634	0.128	-4.951	7.4E-07	4.7222E-06	Akr1b10
ENSMUSG00000029270	1433.277	-0.634	0.126	-5.048	4.5E-07	2.922E-06	Dipk1a
ENSMUSG00000062397	8533.802	-0.634	0.074	-8.563	1.1E-17	1.7509E-16	Zfp706
ENSMUSG00000046671	5094.721	-0.634	0.070	-9.114	7.9E-20	1.422E-18	Mtfr11
ENSMUSG00000043664	1108.029	-0.635	0.258	-2.463	1.4E-02	0.04152819	Tmem221
ENSMUSG00000036565	3812.774	-0.635	0.084	-7.571	3.7E-14	4.6215E-13	Ttyh3
ENSMUSG00000078713	1341.350	-0.635	0.122	-5.210	1.9E-07	1.305E-06	Tomm5
ENSMUSG00000000489	495.612	-0.635	0.259	-2.453	1.4E-02	0.04245041	Pdgbf
ENSMUSG00000064373	49120.339	-0.635	0.142	-4.460	8.2E-06	4.5974E-05	Selenop
ENSMUSG00000032491	835.060	-0.636	0.139	-4.579	4.7E-06	2.7064E-05	Nradd
ENSMUSG00000016984	498.696	-0.636	0.189	-3.362	7.7E-04	0.0031274	Etaa1
ENSMUSG00000071644	4770.622	-0.636	0.113	-5.632	1.8E-08	1.3838E-07	Eef1g
ENSMUSG00000024654	889.563	-0.637	0.180	-3.542	4.0E-04	0.0016993	Asrg11
ENSMUSG00000037827	222.850	-0.637	0.197	-3.233	1.2E-03	0.00477999	Gm5884
ENSMUSG00000097585	136.809	-0.637	0.263	-2.420	1.6E-02	0.04605701	E230029C05Rik
ENSMUSG00000030041	457.231	-0.637	0.199	-3.204	1.4E-03	0.00523838	M1ap
ENSMUSG00000032673	690.791	-0.637	0.180	-3.536	4.1E-04	0.00173315	Prorsd1
ENSMUSG00000010554	1007.028	-0.638	0.120	-5.323	1.0E-07	7.2948E-07	Mettl16
ENSMUSG00000045410	1124.261	-0.638	0.137	-4.656	3.2E-06	1.914E-05	Akr1e1
ENSMUSG00000027597	323.585	-0.638	0.163	-3.915	9.1E-05	0.00043257	Ahey
ENSMUSG00000029864	188.614	-0.638	0.236	-2.706	6.8E-03	0.02239993	Gstk1
ENSMUSG00000022338	1020.319	-0.638	0.151	-4.221	2.4E-05	0.00012708	Eny2
ENSMUSG00000023973	4586.353	-0.639	0.079	-8.054	8.0E-16	1.1187E-14	Cnpy3

ENSMUSG00000031068	2528.212	-0.639	0.118	-5.434	5.5E-08	4.0724E-07	Glr3
ENSMUSG00000028293	992.858	-0.639	0.134	-4.756	2.0E-06	1.1986E-05	Slc35a1
ENSMUSG00000033909	873.116	-0.639	0.178	-3.581	3.4E-04	0.00148038	Usp36
ENSMUSG00000024425	13801.500	-0.640	0.076	-8.435	3.3E-17	5.0541E-16	Ndfip1
ENSMUSG00000022742	1020.170	-0.640	0.177	-3.618	3.0E-04	0.00129959	Cpox
ENSMUSG00000026832	2362.443	-0.640	0.129	-4.962	7.0E-07	4.4732E-06	Cytip
ENSMUSG00000046186	286.154	-0.640	0.238	-2.693	7.1E-03	0.0231747	Cd109
ENSMUSG00000075279	358.387	-0.641	0.213	-3.011	2.6E-03	0.00950896	Mrpl23-ps1
ENSMUSG00000026615	6332.717	-0.641	0.100	-6.432	1.3E-10	1.2001E-09	Eprs
ENSMUSG00000027284	290.160	-0.641	0.268	-2.395	1.7E-02	0.04883449	Cdan1
ENSMUSG00000021754	3689.868	-0.641	0.116	-5.539	3.0E-08	2.3079E-07	Map3k1
ENSMUSG00000070565	346.437	-0.642	0.262	-2.452	1.4E-02	0.04261059	Rasal2
ENSMUSG00000030172	793.935	-0.642	0.230	-2.785	5.3E-03	0.0181151	Erc1
ENSMUSG00000040888	1838.367	-0.642	0.097	-6.618	3.6E-11	3.6172E-10	Gfer
ENSMUSG00000027332	1830.129	-0.642	0.104	-6.157	7.4E-10	6.6232E-09	Ivd
ENSMUSG00000027890	518.561	-0.642	0.231	-2.778	5.5E-03	0.01850588	Gstm4
ENSMUSG00000031399	1619.524	-0.642	0.132	-4.883	1.0E-06	6.5574E-06	Fam3a
ENSMUSG0000003420	9412.293	-0.643	0.152	-4.224	2.4E-05	0.00012505	Fcgrt
ENSMUSG00000037503	3890.501	-0.643	0.116	-5.538	3.1E-08	2.3165E-07	Fam168b
ENSMUSG00000044424	237.474	-0.643	0.161	-3.988	6.7E-05	0.00032658	Gm9493
ENSMUSG00000085099	283.787	-0.644	0.179	-3.603	3.2E-04	0.00137449	Gm16288
ENSMUSG00000019814	2169.379	-0.644	0.111	-5.816	6.0E-09	4.9317E-08	Ltv1
ENSMUSG00000031530	547.457	-0.644	0.229	-2.810	5.0E-03	0.0169497	Dusp4
ENSMUSG00000026356	3759.816	-0.644	0.106	-6.062	1.3E-09	1.1686E-08	Dars
ENSMUSG00000028124	35747.718	-0.645	0.108	-5.945	2.8E-09	2.3321E-08	Gclm
ENSMUSG00000069516	#####	-0.646	0.122	-5.303	1.1E-07	8.091E-07	Lyz2
ENSMUSG00000060419	853.689	-0.646	0.119	-5.448	5.1E-08	3.7607E-07	Rps16-ps2
ENSMUSG00000036764	602.645	-0.647	0.203	-3.183	1.5E-03	0.00560436	Dnajc12
ENSMUSG00000019774	292.669	-0.647	0.256	-2.523	1.2E-02	0.03582374	Mtrf11
ENSMUSG00000040022	357.957	-0.647	0.211	-3.070	2.1E-03	0.00794477	Rab11fip2
ENSMUSG0000006445	583.965	-0.647	0.252	-2.572	1.0E-02	0.03155761	Epha2
ENSMUSG00000068264	1145.643	-0.647	0.142	-4.567	4.9E-06	2.8557E-05	Ap5s1
ENSMUSG00000092274	8327.264	-0.648	0.122	-5.307	1.1E-07	7.9373E-07	Neat1
ENSMUSG00000109511	4463.794	-0.648	0.065	-9.974	2.0E-23	4.2746E-22	Nup62
ENSMUSG00000074890	1132.194	-0.648	0.175	-3.713	2.1E-04	0.00092481	Lcmt2
ENSMUSG00000027937	4117.675	-0.648	0.079	-8.222	2.0E-16	2.9179E-15	Jtb
ENSMUSG00000025579	8817.859	-0.649	0.126	-5.155	2.5E-07	1.7252E-06	Gaa
ENSMUSG00000036620	4803.646	-0.649	0.091	-7.143	9.1E-13	1.028E-11	Mgat4b
ENSMUSG00000024645	614.738	-0.649	0.163	-3.991	6.6E-05	0.00032241	Timm21
ENSMUSG00000001674	1285.102	-0.649	0.108	-5.989	2.1E-09	1.81E-08	Ddx18
ENSMUSG00000024350	728.138	-0.649	0.158	-4.119	3.8E-05	0.000193	Dnajc18
ENSMUSG00000065979	1038.186	-0.650	0.139	-4.691	2.7E-06	1.6236E-05	Cpped1
ENSMUSG00000031171	1027.246	-0.650	0.137	-4.733	2.2E-06	1.3353E-05	Ftsj1
ENSMUSG00000020695	315.965	-0.651	0.239	-2.721	6.5E-03	0.02150207	Mrc2
ENSMUSG00000060510	637.102	-0.651	0.191	-3.409	6.5E-04	0.00266894	Zfp266
ENSMUSG00000038299	1965.671	-0.651	0.124	-5.232	1.7E-07	1.1642E-06	Wdr36
ENSMUSG00000105814	246.611	-0.651	0.214	-3.036	2.4E-03	0.00880183	Mir703
ENSMUSG00000028917	943.953	-0.651	0.218	-2.989	2.8E-03	0.01013722	Plekhm2
ENSMUSG00000075486	2284.244	-0.652	0.098	-6.638	3.2E-11	3.1683E-10	Commd6
ENSMUSG00000037876	1326.949	-0.652	0.132	-4.936	8.0E-07	5.0683E-06	Jmjdlc
ENSMUSG00000018697	1029.861	-0.652	0.143	-4.558	5.2E-06	2.9785E-05	Aatf
ENSMUSG00000024735	574.066	-0.652	0.215	-3.039	2.4E-03	0.00873492	Prpf19

ENSMUSG00000037278	1315.601	-0.652	0.110	-5.921	3.2E-09	2.6834E-08	Tmem97
ENSMUSG00000035203	5278.030	-0.652	0.078	-8.396	4.6E-17	7.0344E-16	Epn1
ENSMUSG00000041438	2245.569	-0.653	0.139	-4.688	2.8E-06	1.6513E-05	Utp4
ENSMUSG00000059878	1090.347	-0.653	0.150	-4.347	1.4E-05	7.4743E-05	Zfp422
ENSMUSG00000027425	1186.096	-0.654	0.190	-3.442	5.8E-04	0.00239407	Kat14
ENSMUSG00000024082	732.492	-0.654	0.189	-3.452	5.6E-04	0.002311	Ndufaf7
ENSMUSG00000026097	866.249	-0.654	0.134	-4.874	1.1E-06	6.8588E-06	Ormdl1
ENSMUSG00000041840	587.356	-0.654	0.143	-4.564	5.0E-06	2.8903E-05	Haus1
ENSMUSG00000024067	1827.135	-0.655	0.099	-6.591	4.4E-11	4.2993E-10	Dpy30
ENSMUSG00000028936	3879.452	-0.655	0.132	-4.951	7.4E-07	4.7222E-06	Rpl22
ENSMUSG00000032846	337.911	-0.655	0.260	-2.517	1.2E-02	0.03629078	Zswim6
ENSMUSG00000046330	4317.791	-0.655	0.180	-3.641	2.7E-04	0.00120127	Rpl37a
ENSMUSG00000061272	158.603	-0.655	0.215	-3.052	2.3E-03	0.00841111	Gm14173
ENSMUSG00000024639	5244.763	-0.656	0.132	-4.963	6.9E-07	4.4455E-06	Gnaq
ENSMUSG00000015087	2709.031	-0.656	0.097	-6.766	1.3E-11	1.3613E-10	Rabl6
ENSMUSG00000032370	1890.131	-0.656	0.127	-5.154	2.6E-07	1.7341E-06	Lactb
ENSMUSG00000040415	1029.922	-0.657	0.173	-3.792	1.5E-04	0.00069044	Dtx3
ENSMUSG00000051721	418.988	-0.657	0.213	-3.088	2.0E-03	0.00753246	Wdcp
ENSMUSG00000059713	718.578	-0.657	0.208	-3.162	1.6E-03	0.00598441	Rcan3
ENSMUSG00000020091	2764.605	-0.657	0.110	-5.987	2.1E-09	1.8286E-08	Eif4ebp2
ENSMUSG00000052889	4394.209	-0.657	0.139	-4.738	2.2E-06	1.3064E-05	Prkcb
ENSMUSG00000029376	446.789	-0.657	0.159	-4.123	3.7E-05	0.00018972	Mthfd21
ENSMUSG00000026181	782.834	-0.657	0.190	-3.457	5.5E-04	0.00227004	Ppm1f
ENSMUSG00000066551	2834.276	-0.658	0.111	-5.947	2.7E-09	2.311E-08	Hmgb1
ENSMUSG00000022560	1701.808	-0.658	0.129	-5.082	3.7E-07	2.4808E-06	Slc52a2
ENSMUSG00000034863	338.677	-0.658	0.249	-2.647	8.1E-03	0.02607354	Ano8
ENSMUSG00000030839	706.101	-0.658	0.169	-3.891	1.0E-04	0.00047235	Sergef
ENSMUSG00000061787	3647.496	-0.658	0.157	-4.185	2.8E-05	0.00014683	Rps17
ENSMUSG00000026127	4218.440	-0.659	0.078	-8.435	3.3E-17	5.0703E-16	Imp4
ENSMUSG00000027291	2224.934	-0.659	0.150	-4.381	1.2E-05	6.484E-05	Vps39
ENSMUSG00000028995	2247.425	-0.659	0.132	-4.995	5.9E-07	3.7987E-06	Fam126a
ENSMUSG00000001687	16658.909	-0.659	0.078	-8.430	3.5E-17	5.3037E-16	Ubl3
ENSMUSG00000036442	2363.860	-0.659	0.121	-5.461	4.7E-08	3.5046E-07	Thap11
ENSMUSG00000049760	3076.880	-0.659	0.123	-5.377	7.6E-08	5.5032E-07	Micos13
ENSMUSG00000024451	967.091	-0.660	0.204	-3.232	1.2E-03	0.00479156	Arap3
ENSMUSG00000061759	700.154	-0.661	0.180	-3.663	2.5E-04	0.0011092	Armt1
ENSMUSG00000047649	959.615	-0.662	0.159	-4.158	3.2E-05	0.00016456	Cd3eap
ENSMUSG00000072940	288.526	-0.662	0.208	-3.178	1.5E-03	0.00570802	Gm10443
ENSMUSG00000051978	490.448	-0.662	0.248	-2.674	7.5E-03	0.02430541	Erich1
ENSMUSG00000047264	1081.350	-0.662	0.196	-3.375	7.4E-04	0.00299617	Zfp358
ENSMUSG00000003316	6400.038	-0.663	0.107	-6.186	6.2E-10	5.5164E-09	Glg1
ENSMUSG00000021537	2165.652	-0.663	0.109	-6.079	1.2E-09	1.0578E-08	Cetn3
ENSMUSG00000030894	18129.032	-0.664	0.096	-6.925	4.3E-12	4.6684E-11	Tpp1
ENSMUSG00000042055	1273.723	-0.664	0.148	-4.488	7.2E-06	4.0671E-05	Wdr11
ENSMUSG00000046818	557.934	-0.664	0.237	-2.801	5.1E-03	0.01735097	Ddit4l
ENSMUSG00000043183	315.755	-0.665	0.220	-3.014	2.6E-03	0.00941384	Sime1
ENSMUSG00000037465	4609.595	-0.665	0.106	-6.241	4.3E-10	3.9505E-09	Klf10
ENSMUSG00000007892	12447.676	-0.665	0.160	-4.142	3.4E-05	0.00017498	Rplp1
ENSMUSG00000087598	356.866	-0.666	0.270	-2.469	1.4E-02	0.04084195	Zfp111
ENSMUSG00000023921	790.341	-0.666	0.242	-2.753	5.9E-03	0.01976469	Mmut
ENSMUSG00000027679	2169.586	-0.666	0.092	-7.232	4.8E-13	5.5219E-12	Dnajc19
ENSMUSG00000035697	6529.991	-0.667	0.081	-8.284	1.2E-16	1.7605E-15	Arhgap45

ENSMUSG00000025894	1311.741	-0.667	0.134	-4.970	6.7E-07	4.2922E-06	Aasdhppt
ENSMUSG00000028229	623.068	-0.667	0.134	-4.971	6.7E-07	4.2743E-06	Rmdn1
ENSMUSG00000027364	240.178	-0.667	0.201	-3.314	9.2E-04	0.00367598	Usp50
ENSMUSG00000051864	3460.954	-0.667	0.128	-5.208	1.9E-07	1.3141E-06	Tbc1d22a
ENSMUSG00000049300	656.258	-0.668	0.185	-3.600	3.2E-04	0.00138513	Prmt6
ENSMUSG00000029504	970.700	-0.668	0.176	-3.805	1.4E-04	0.00065782	Ddx51
ENSMUSG00000021607	3521.849	-0.668	0.114	-5.848	5.0E-09	4.1145E-08	Mrpl36
ENSMUSG00000043262	318.396	-0.669	0.223	-2.997	2.7E-03	0.00992158	Uev1d
ENSMUSG00000057363	598.297	-0.669	0.152	-4.410	1.0E-05	5.6916E-05	Uxs1
ENSMUSG00000028521	405.453	-0.670	0.245	-2.738	6.2E-03	0.02056385	Slc35d1
ENSMUSG00000009073	1616.998	-0.671	0.136	-4.942	7.8E-07	4.939E-06	Nf2
ENSMUSG00000028948	1575.537	-0.671	0.151	-4.455	8.4E-06	4.7002E-05	No19
ENSMUSG00000000740	20003.993	-0.672	0.120	-5.607	2.1E-08	1.5896E-07	Rpl13
ENSMUSG00000027076	1125.682	-0.672	0.150	-4.471	7.8E-06	4.39E-05	Timm10
ENSMUSG00000030614	1469.890	-0.672	0.126	-5.341	9.3E-08	6.6289E-07	Tmem126b
ENSMUSG00000026172	492.910	-0.673	0.236	-2.846	4.4E-03	0.01530434	Bcs1l
ENSMUSG00000029208	573.900	-0.673	0.201	-3.356	7.9E-04	0.003195	Guf1
ENSMUSG00000027272	892.440	-0.673	0.151	-4.470	7.8E-06	4.3969E-05	Ubr1
ENSMUSG00000038936	868.902	-0.673	0.144	-4.681	2.9E-06	1.7039E-05	Sccpdh
ENSMUSG00000031833	1614.060	-0.674	0.141	-4.787	1.7E-06	1.0358E-05	Mast3
ENSMUSG00000024180	1530.688	-0.674	0.157	-4.292	1.8E-05	9.4642E-05	Pgap6
ENSMUSG00000004207	169841.225	-0.674	0.107	-6.277	3.4E-10	3.1639E-09	Psap
ENSMUSG00000070047	545.508	-0.675	0.262	-2.577	1.0E-02	0.03116332	Fat1
ENSMUSG00000029916	579.049	-0.675	0.170	-3.983	6.8E-05	0.00033252	Agk
ENSMUSG00000024712	2810.143	-0.675	0.112	-6.022	1.7E-09	1.4837E-08	Rfk
ENSMUSG00000008035	1113.154	-0.676	0.136	-4.987	6.1E-07	3.9633E-06	Mid1ip1
ENSMUSG00000060121	511.573	-0.676	0.176	-3.850	1.2E-04	0.00055401	Gemin2
ENSMUSG00000029468	1002.560	-0.677	0.190	-3.559	3.7E-04	0.00159834	P2rx7
ENSMUSG00000040048	4004.412	-0.678	0.113	-5.996	2.0E-09	1.7358E-08	Ndufb10
ENSMUSG00000046364	3377.476	-0.678	0.169	-4.005	6.2E-05	0.00030463	Rpl27a
ENSMUSG00000071337	998.570	-0.679	0.153	-4.437	9.1E-06	5.071E-05	Tia1
ENSMUSG00000027324	190.970	-0.679	0.281	-2.416	1.6E-02	0.04645383	Rpusd2
ENSMUSG00000038880	331.973	-0.679	0.264	-2.575	1.0E-02	0.03133651	Mrps34
ENSMUSG00000092203	923.617	-0.679	0.157	-4.337	1.4E-05	7.8093E-05	1110038B12Rik
ENSMUSG00000028669	1954.591	-0.679	0.116	-5.877	4.2E-09	3.4756E-08	Pithd1
ENSMUSG00000015165	8604.102	-0.679	0.058	-11.679	1.6E-31	4.8699E-30	Hnrnp1
ENSMUSG00000030035	996.015	-0.679	0.201	-3.380	7.2E-04	0.00294679	Wbp1
ENSMUSG00000041225	1510.466	-0.680	0.194	-3.506	4.6E-04	0.00192116	Arhgap12
ENSMUSG00000082926	573.791	-0.680	0.161	-4.224	2.4E-05	0.00012507	Gm8172
ENSMUSG00000079184	1334.911	-0.680	0.157	-4.325	1.5E-05	8.2099E-05	Mphosph8
ENSMUSG00000047603	251.413	-0.680	0.266	-2.555	1.1E-02	0.03294566	Zfp235
ENSMUSG00000031077	1013.404	-0.681	0.120	-5.671	1.4E-08	1.1149E-07	Fadd
ENSMUSG00000061119	3310.874	-0.681	0.106	-6.399	1.6E-10	1.4824E-09	Prcp
ENSMUSG00000036944	301.605	-0.681	0.244	-2.787	5.3E-03	0.01804735	Tmem71
ENSMUSG00000020718	199.057	-0.682	0.216	-3.162	1.6E-03	0.00598968	Polg2
ENSMUSG00000056498	734.336	-0.682	0.152	-4.482	7.4E-06	4.1774E-05	Tmem154
ENSMUSG00000022472	2705.448	-0.682	0.106	-6.443	1.2E-10	1.1181E-09	Desi1
ENSMUSG00000021631	63.923	-0.684	0.284	-2.404	1.6E-02	0.04785794	Mrps36-ps1
ENSMUSG00000097679	737.677	-0.684	0.157	-4.347	1.4E-05	7.4706E-05	Rps19-ps5
ENSMUSG00000020153	4892.704	-0.684	0.089	-7.689	1.5E-14	1.9034E-13	Ndufs7
ENSMUSG00000022150	17568.681	-0.684	0.213	-3.216	1.3E-03	0.00504951	Dab2
ENSMUSG00000040520	550.153	-0.684	0.192	-3.572	3.5E-04	0.00153055	Manea

ENSMUSG00000030421	2097.716	-0.684	0.113	-6.065	1.3E-09	1.1489E-08	Uri1
ENSMUSG00000082062	31561.829	-0.685	0.085	-8.044	8.7E-16	1.2189E-14	Ftl2-ps
ENSMUSG00000060938	6010.458	-0.685	0.135	-5.072	3.9E-07	2.5962E-06	Rpl26
ENSMUSG00000030579	62414.926	-0.685	0.101	-6.747	1.5E-11	1.5364E-10	Tyrobp
ENSMUSG00000078193	677.647	-0.685	0.164	-4.184	2.9E-05	0.0001478	Gm2000
ENSMUSG00000078517	3135.971	-0.685	0.098	-7.022	2.2E-12	2.4042E-11	Emc1
ENSMUSG00000020388	5468.081	-0.685	0.095	-7.187	6.6E-13	7.6178E-12	Pdlim4
ENSMUSG00000014551	1752.436	-0.685	0.088	-7.799	6.2E-15	8.1546E-14	Mrps25
ENSMUSG00000045679	4213.729	-0.686	0.108	-6.368	1.9E-10	1.799E-09	Pqlc3
ENSMUSG00000071266	263.650	-0.686	0.211	-3.255	1.1E-03	0.00446259	Zfp946
ENSMUSG00000020460	6425.984	-0.686	0.163	-4.207	2.6E-05	0.00013458	Rps27a
ENSMUSG00000024294	2018.825	-0.686	0.117	-5.854	4.8E-09	3.9597E-08	Mib1
ENSMUSG00000083621	196.411	-0.686	0.183	-3.740	1.8E-04	0.00083706	Gm14586
ENSMUSG00000036561	560.660	-0.686	0.219	-3.133	1.7E-03	0.00654921	Ppp6r2
ENSMUSG00000030243	527.246	-0.687	0.207	-3.324	8.9E-04	0.00354329	Recq1
ENSMUSG00000033295	886.392	-0.687	0.164	-4.182	2.9E-05	0.00014885	Ptprf
ENSMUSG00000053581	2402.970	-0.687	0.145	-4.729	2.3E-06	1.3667E-05	Zfand2a
ENSMUSG00000020777	2512.177	-0.687	0.102	-6.728	1.7E-11	1.758E-10	Acox1
ENSMUSG00000032238	631.159	-0.687	0.169	-4.056	5.0E-05	0.0002495	Rora
ENSMUSG00000049517	5710.005	-0.687	0.172	-4.006	6.2E-05	0.00030453	Rps23
ENSMUSG00000032485	1347.932	-0.688	0.131	-5.265	1.4E-07	9.838E-07	Scap
ENSMUSG00000022102	7234.496	-0.689	0.159	-4.337	1.4E-05	7.8076E-05	Dok2
ENSMUSG00000006728	7797.538	-0.689	0.070	-9.773	1.5E-22	3.0239E-21	Cdk4
ENSMUSG00000048351	961.529	-0.689	0.186	-3.700	2.2E-04	0.00096871	Coa7
ENSMUSG00000040464	349.327	-0.689	0.193	-3.580	3.4E-04	0.00148938	Gtpbp10
ENSMUSG00000039740	1138.337	-0.689	0.214	-3.225	1.3E-03	0.00489641	Alg2
ENSMUSG00000028927	222.933	-0.689	0.251	-2.752	5.9E-03	0.01981051	Padi2
ENSMUSG00000040212	17616.379	-0.689	0.101	-6.849	7.4E-12	7.7893E-11	Emp3
ENSMUSG00000044465	1117.915	-0.689	0.190	-3.626	2.9E-04	0.00126833	Fam160a2
ENSMUSG00000002416	485.390	-0.690	0.146	-4.724	2.3E-06	1.3954E-05	Ndufb2
ENSMUSG00000037395	758.806	-0.690	0.160	-4.324	1.5E-05	8.2638E-05	Rcor3
ENSMUSG00000074129	302.262	-0.690	0.188	-3.674	2.4E-04	0.00106441	Rpl13a
ENSMUSG00000038195	203.655	-0.690	0.278	-2.485	1.3E-02	0.03933193	Rilp
ENSMUSG00000071547	6862.591	-0.690	0.102	-6.773	1.3E-11	1.2972E-10	Nt5dc2
ENSMUSG00000022792	1765.221	-0.691	0.094	-7.353	1.9E-13	2.3295E-12	Yars2
ENSMUSG00000007050	1830.549	-0.691	0.101	-6.834	8.3E-12	8.6565E-11	Lsm2
ENSMUSG00000025260	2479.081	-0.691	0.124	-5.584	2.4E-08	1.8086E-07	Hsd17b10
ENSMUSG00000033809	2312.308	-0.692	0.111	-6.241	4.4E-10	3.951E-09	Alg3
ENSMUSG00000037740	2404.389	-0.692	0.097	-7.157	8.3E-13	9.3805E-12	Mrps26
ENSMUSG00000034321	1965.254	-0.692	0.124	-5.577	2.4E-08	1.8706E-07	Exosc1
ENSMUSG00000035448	609.195	-0.693	0.235	-2.946	3.2E-03	0.01150533	Ccr3
ENSMUSG00000005534	467.358	-0.693	0.210	-3.295	9.8E-04	0.00391087	Insr
ENSMUSG00000056310	1175.672	-0.693	0.152	-4.565	5.0E-06	2.8762E-05	Tywl
ENSMUSG00000028677	2700.366	-0.693	0.130	-5.350	8.8E-08	6.3226E-07	Rnf220
ENSMUSG00000028104	550.256	-0.693	0.172	-4.040	5.3E-05	0.00026529	Polr3gl
ENSMUSG00000029998	4119.001	-0.693	0.127	-5.440	5.3E-08	3.9413E-07	Pcyox1
ENSMUSG00000113756	79.686	-0.693	0.273	-2.537	1.1E-02	0.03451757	Gm18025
ENSMUSG00000020525	802.214	-0.694	0.163	-4.259	2.0E-05	0.00010816	Ppm1d
ENSMUSG00000022248	671.326	-0.694	0.134	-5.176	2.3E-07	1.5493E-06	Rad1
ENSMUSG00000020547	1926.673	-0.694	0.137	-5.081	3.8E-07	2.4881E-06	Bzw2
ENSMUSG00000030583	238.313	-0.694	0.261	-2.658	7.9E-03	0.02538025	Sipa113
ENSMUSG00000049755	816.820	-0.695	0.195	-3.565	3.6E-04	0.00156477	Zfp672

ENSMUSG00000024037	1219.981	-0.696	0.162	-4.306	1.7E-05	8.9144E-05	Wdr4
ENSMUSG00000019849	3749.102	-0.696	0.131	-5.329	9.9E-08	7.0501E-07	Prep
ENSMUSG00000001524	1291.803	-0.697	0.157	-4.444	8.8E-06	4.9348E-05	Gtf2h4
ENSMUSG00000079215	831.265	-0.698	0.154	-4.540	5.6E-06	3.2281E-05	Zfp664
ENSMUSG00000019952	457.483	-0.698	0.247	-2.825	4.7E-03	0.01626237	Poc1b
ENSMUSG00000027963	768.816	-0.699	0.174	-4.027	5.7E-05	0.00028	Extl2
ENSMUSG00000060803	4837.814	-0.699	0.133	-5.253	1.5E-07	1.046E-06	Gstp1
ENSMUSG00000028710	465.122	-0.699	0.128	-5.466	4.6E-08	3.4232E-07	Atpaf1
ENSMUSG00000006288	1784.386	-0.699	0.098	-7.134	9.8E-13	1.0989E-11	Ttc5
ENSMUSG00000070939	1162.738	-0.699	0.150	-4.668	3.0E-06	1.8061E-05	Tgfbra1
ENSMUSG00000028863	980.407	-0.699	0.130	-5.397	6.8E-08	4.9393E-07	Meaf6
ENSMUSG00000022820	467.835	-0.700	0.185	-3.777	1.6E-04	0.00073031	Ndufb4
ENSMUSG00000005871	404.436	-0.701	0.199	-3.521	4.3E-04	0.00182419	Apc
ENSMUSG000000113061	116.426	-0.701	0.211	-3.327	8.8E-04	0.00351149	Rps18-ps5
ENSMUSG00000025794	10345.462	-0.701	0.100	-6.994	2.7E-12	2.9209E-11	Rpl14
ENSMUSG00000039952	2313.575	-0.702	0.164	-4.272	1.9E-05	0.00010251	Dag1
ENSMUSG00000067847	3420.226	-0.702	0.150	-4.666	3.1E-06	1.8283E-05	Romo1
ENSMUSG00000005225	436.097	-0.702	0.191	-3.682	2.3E-04	0.00103554	Plekha8
ENSMUSG00000026856	1926.085	-0.702	0.203	-3.453	5.5E-04	0.00230266	Dolpp1
ENSMUSG00000037761	988.778	-0.702	0.150	-4.683	2.8E-06	1.6894E-05	Actr5
ENSMUSG00000042729	2319.320	-0.702	0.132	-5.312	1.1E-07	7.6898E-07	Wdr74
ENSMUSG00000040945	955.272	-0.702	0.235	-2.986	2.8E-03	0.01025356	Rcc2
ENSMUSG00000057130	1099.975	-0.703	0.169	-4.159	3.2E-05	0.00016331	Txn14a
ENSMUSG00000023953	633.671	-0.703	0.181	-3.893	9.9E-05	0.00046982	Polh
ENSMUSG00000005687	3113.975	-0.703	0.076	-9.245	2.3E-20	4.3402E-19	Bcas2
ENSMUSG00000032030	1923.198	-0.704	0.108	-6.545	5.9E-11	5.7986E-10	Cul5
ENSMUSG00000057133	519.894	-0.704	0.184	-3.818	1.3E-04	0.0006266	Chd6
ENSMUSG00000035601	421.897	-0.704	0.264	-2.665	7.7E-03	0.02489525	Trmt10b
ENSMUSG00000002885	2507.841	-0.705	0.117	-6.000	2.0E-09	1.6912E-08	Adgre5
ENSMUSG00000058392	1156.829	-0.705	0.164	-4.292	1.8E-05	9.432E-05	Rrp1b
ENSMUSG00000030789	713.986	-0.705	0.252	-2.801	5.1E-03	0.01735097	Itgax
ENSMUSG00000032834	568.668	-0.706	0.241	-2.922	3.5E-03	0.01231433	Pwp2
ENSMUSG00000029507	1237.816	-0.706	0.120	-5.883	4.0E-09	3.3492E-08	Pus1
ENSMUSG00000025041	1921.719	-0.706	0.102	-6.933	4.1E-12	4.4297E-11	Nt5c2
ENSMUSG00000020918	2420.672	-0.706	0.144	-4.913	9.0E-07	5.6697E-06	Kat2a
ENSMUSG00000080893	118.498	-0.707	0.242	-2.916	3.5E-03	0.01252541	Ndufa12-ps
ENSMUSG00000028636	748.407	-0.707	0.151	-4.689	2.8E-06	1.6449E-05	Ppcs
ENSMUSG00000047635	401.287	-0.707	0.247	-2.869	4.1E-03	0.01434179	2810006K23Rik
ENSMUSG00000106696	365.993	-0.708	0.230	-3.074	2.1E-03	0.00785286	Gm42729
ENSMUSG00000017764	754.857	-0.708	0.146	-4.844	1.3E-06	7.9194E-06	Zswim1
ENSMUSG00000022111	1433.609	-0.708	0.117	-6.041	1.5E-09	1.3296E-08	Uchl3
ENSMUSG00000103696	119.672	-0.708	0.296	-2.389	1.7E-02	0.04959986	Gm37531
ENSMUSG00000023191	573.423	-0.709	0.186	-3.805	1.4E-04	0.0006566	P3h3
ENSMUSG00000050989	573.364	-0.709	0.275	-2.576	1.0E-02	0.03117151	Selenon
ENSMUSG00000063856	38271.817	-0.710	0.102	-6.937	4.0E-12	4.3133E-11	Gpx1
ENSMUSG00000084383	69.084	-0.710	0.284	-2.499	1.2E-02	0.03796825	Gm13370
ENSMUSG00000072692	1205.376	-0.710	0.141	-5.026	5.0E-07	3.2654E-06	Rpl37rt
ENSMUSG00000024104	3820.211	-0.710	0.081	-8.810	1.3E-18	2.1029E-17	Washc2
ENSMUSG00000036932	1585.424	-0.711	0.128	-5.560	2.7E-08	2.0618E-07	Aifm1
ENSMUSG00000067567	263.948	-0.711	0.265	-2.679	7.4E-03	0.02397515	Hdac8
ENSMUSG00000022476	1127.658	-0.712	0.116	-6.151	7.7E-10	6.8433E-09	Polr3h
ENSMUSG00000042331	3327.697	-0.713	0.116	-6.127	8.9E-10	7.9249E-09	Specc1

ENSMUSG00000053898	4683.480	-0.713	0.070	-10.238	1.3E-24	3.044E-23	Ech1
ENSMUSG00000002289	5455.663	-0.714	0.139	-5.144	2.7E-07	1.8241E-06	Angptl4
ENSMUSG000000034544	1629.481	-0.714	0.127	-5.624	1.9E-08	1.446E-07	Rsrc1
ENSMUSG000000038175	3139.223	-0.715	0.161	-4.439	9.0E-06	5.041E-05	Myliip
ENSMUSG000000039033	399.041	-0.715	0.248	-2.880	4.0E-03	0.01389843	Tasp1
ENSMUSG000000068262	88.226	-0.715	0.259	-2.764	5.7E-03	0.0191578	Gm5879
ENSMUSG000000044018	1601.481	-0.715	0.123	-5.821	5.9E-09	4.7951E-08	Mrpl50
ENSMUSG000000037573	702.197	-0.715	0.129	-5.563	2.7E-08	2.0242E-07	Tob1
ENSMUSG000000058799	3006.229	-0.716	0.096	-7.491	6.9E-14	8.4298E-13	Nap111
ENSMUSG000000058997	544.801	-0.716	0.192	-3.725	2.0E-04	0.00088307	Vwa8
ENSMUSG000000039640	4608.907	-0.716	0.100	-7.153	8.5E-13	9.6293E-12	Mrpl12
ENSMUSG00000001419	2561.275	-0.716	0.136	-5.249	1.5E-07	1.0691E-06	Mef2d
ENSMUSG000000042712	3937.075	-0.716	0.110	-6.528	6.7E-11	6.4937E-10	Tceal9
ENSMUSG000000039182	672.228	-0.717	0.147	-4.862	1.2E-06	7.2535E-06	AW209491
ENSMUSG000000071419	210.249	-0.717	0.185	-3.867	1.1E-04	0.00051952	Rps15-ps2
ENSMUSG000000042210	354.885	-0.717	0.208	-3.452	5.6E-04	0.00231023	Abhd14a
ENSMUSG000000042215	602.822	-0.718	0.192	-3.733	1.9E-04	0.00085906	Bag2
ENSMUSG000000003429	6974.443	-0.718	0.072	-10.028	1.2E-23	2.5051E-22	Rps11
ENSMUSG000000030432	3265.596	-0.718	0.158	-4.538	5.7E-06	3.2525E-05	Rpl28
ENSMUSG000000025465	3323.929	-0.719	0.091	-7.886	3.1E-15	4.2083E-14	Echs1
ENSMUSG000000026385	7440.027	-0.719	0.102	-7.066	1.6E-12	1.7687E-11	Dbi
ENSMUSG000000074754	403.659	-0.719	0.181	-3.978	6.9E-05	0.00033818	Smim26
ENSMUSG000000022394	1127.799	-0.720	0.142	-5.078	3.8E-07	2.5247E-06	L3mbtl2
ENSMUSG000000091264	939.510	-0.720	0.148	-4.857	1.2E-06	7.4417E-06	Smim13
ENSMUSG000000040550	1798.116	-0.720	0.116	-6.229	4.7E-10	4.2386E-09	Otud6b
ENSMUSG000000008450	1117.940	-0.720	0.117	-6.149	7.8E-10	6.9373E-09	Nutf2
ENSMUSG000000032279	3808.171	-0.721	0.101	-7.127	1.0E-12	1.15E-11	Idh3a
ENSMUSG000000087201	238.917	-0.721	0.280	-2.574	1.0E-02	0.03135898	Gm15261
ENSMUSG000000113555	370.608	-0.721	0.199	-3.621	2.9E-04	0.00128687	Gm10095
ENSMUSG000000027198	3247.045	-0.721	0.136	-5.296	1.2E-07	8.3758E-07	Ext2
ENSMUSG000000090015	198.313	-0.721	0.299	-2.410	1.6E-02	0.04719068	Gm15446
ENSMUSG000000024991	8186.378	-0.721	0.094	-7.672	1.7E-14	2.1651E-13	Eif3a
ENSMUSG000000069729	1634.116	-0.722	0.151	-4.776	1.8E-06	1.0932E-05	Arid1b
ENSMUSG000000066037	2170.273	-0.723	0.101	-7.140	9.3E-13	1.0492E-11	Hnrnpr
ENSMUSG000000039474	710.878	-0.723	0.201	-3.596	3.2E-04	0.0014064	Wfs1
ENSMUSG000000038506	724.795	-0.723	0.189	-3.835	1.3E-04	0.00058765	Dcun1d2
ENSMUSG000000090124	1776.483	-0.723	0.098	-7.392	1.4E-13	1.7458E-12	Ugt1a7c
ENSMUSG000000071078	220.418	-0.723	0.172	-4.201	2.7E-05	0.00013769	Nr2c2ap
ENSMUSG000000052384	15643.321	-0.724	0.111	-6.494	8.4E-11	8.059E-10	Nrros
ENSMUSG000000018102	2326.485	-0.724	0.162	-4.467	7.9E-06	4.453E-05	H2bc4
ENSMUSG000000090137	339.255	-0.724	0.184	-3.934	8.3E-05	0.00040109	Uba52
ENSMUSG000000058355	3285.524	-0.725	0.107	-6.795	1.1E-11	1.1223E-10	Abce1
ENSMUSG000000031984	1701.037	-0.725	0.116	-6.246	4.2E-10	3.8366E-09	2810004N23Rik
ENSMUSG000000083757	298.381	-0.725	0.195	-3.714	2.0E-04	0.00091941	Rps15a-ps4
ENSMUSG000000036339	747.466	-0.726	0.166	-4.358	1.3E-05	7.1595E-05	Tmem260
ENSMUSG000000010054	1134.590	-0.726	0.123	-5.915	3.3E-09	2.7858E-08	Tusc2
ENSMUSG000000056459	450.259	-0.726	0.208	-3.492	4.8E-04	0.00201458	Zbtb25
ENSMUSG000000074582	1055.670	-0.726	0.126	-5.756	8.6E-09	6.9204E-08	Arfgef2
ENSMUSG000000033222	570.353	-0.726	0.246	-2.955	3.1E-03	0.01121818	Ttf2
ENSMUSG000000029254	1942.715	-0.726	0.169	-4.285	1.8E-05	9.7164E-05	Stap1
ENSMUSG000000020163	6571.843	-0.727	0.150	-4.848	1.2E-06	7.7852E-06	Uqcr11
ENSMUSG000000053411	179.661	-0.727	0.290	-2.504	1.2E-02	0.03751073	Cbx7

ENSMUSG00000039199	310.396	-0.727	0.246	-2.959	3.1E-03	0.01107849	Zdhhc1
ENSMUSG00000068744	466.862	-0.727	0.191	-3.808	1.4E-04	0.0006502	Psrc1
ENSMUSG00000036693	2328.540	-0.727	0.116	-6.249	4.1E-10	3.7554E-09	Nop14
ENSMUSG00000000085	773.314	-0.727	0.144	-5.039	4.7E-07	3.0577E-06	Scmh1
ENSMUSG00000055485	418.728	-0.727	0.277	-2.628	8.6E-03	0.02741878	Soga1
ENSMUSG00000049411	621.175	-0.728	0.210	-3.458	5.4E-04	0.00226747	Tmem241
ENSMUSG00000038628	2248.296	-0.728	0.100	-7.267	3.7E-13	4.3151E-12	Polr3k
ENSMUSG00000008683	4731.821	-0.728	0.163	-4.455	8.4E-06	4.7039E-05	Rps15a
ENSMUSG00000021033	574.860	-0.728	0.157	-4.650	3.3E-06	1.9696E-05	Gstz1
ENSMUSG00000015759	2894.161	-0.729	0.093	-7.808	5.8E-15	7.5949E-14	Cnih1
ENSMUSG00000054814	541.901	-0.729	0.197	-3.697	2.2E-04	0.00097953	Usp46
ENSMUSG00000003346	5834.005	-0.729	0.123	-5.938	2.9E-09	2.4358E-08	Abhd17a
ENSMUSG00000035595	382.013	-0.729	0.249	-2.931	3.4E-03	0.01202496	Fam174c
ENSMUSG00000037936	4524.459	-0.729	0.093	-7.818	5.4E-15	7.0836E-14	Scarb1
ENSMUSG00000015776	1048.993	-0.730	0.153	-4.782	1.7E-06	1.0629E-05	Med22
ENSMUSG00000006191	912.958	-0.730	0.167	-4.365	1.3E-05	6.9394E-05	Cdkal1
ENSMUSG00000051989	1104.139	-0.730	0.148	-4.945	7.6E-07	4.8549E-06	Smim11
ENSMUSG00000007777	1587.816	-0.731	0.110	-6.661	2.7E-11	2.7271E-10	0610009B22Rik
ENSMUSG00000029060	1650.756	-0.731	0.179	-4.087	4.4E-05	0.0002202	Mib2
ENSMUSG00000016087	5268.512	-0.731	0.104	-7.040	1.9E-12	2.1218E-11	Fli1
ENSMUSG00000026377	2774.507	-0.731	0.148	-4.943	7.7E-07	4.9132E-06	Nifk
ENSMUSG00000026457	17636.974	-0.731	0.061	-11.890	1.3E-32	4.2183E-31	Adipor1
ENSMUSG00000067925	197.988	-0.731	0.296	-2.473	1.3E-02	0.04049788	Rtl8a
ENSMUSG00000039656	4137.231	-0.732	0.089	-8.218	2.1E-16	3.008E-15	Rxrb
ENSMUSG00000060032	7902.546	-0.732	0.106	-6.924	4.4E-12	4.7076E-11	H2aj
ENSMUSG00000037461	1196.263	-0.732	0.173	-4.234	2.3E-05	0.00012024	Ints7
ENSMUSG00000003344	1500.925	-0.733	0.178	-4.119	3.8E-05	0.000193	Btbd2
ENSMUSG00000039428	1654.743	-0.734	0.129	-5.690	1.3E-08	1.0003E-07	Tmem135
ENSMUSG00000041632	866.955	-0.735	0.168	-4.379	1.2E-05	6.5254E-05	Mrps27
ENSMUSG00000026930	396.641	-0.735	0.239	-3.077	2.1E-03	0.00778803	Gpsm1
ENSMUSG00000038388	3380.823	-0.735	0.108	-6.802	1.0E-11	1.0671E-10	Mpp6
ENSMUSG00000064326	2437.291	-0.735	0.125	-5.870	4.4E-09	3.6151E-08	Sival
ENSMUSG00000057894	636.812	-0.736	0.188	-3.908	9.3E-05	0.00044379	Zfp329
ENSMUSG00000115049	264.834	-0.736	0.211	-3.496	4.7E-04	0.00198845	Gm49172
ENSMUSG00000015189	924.415	-0.736	0.177	-4.161	3.2E-05	0.00016223	Casd1
ENSMUSG00000042208	1092.001	-0.736	0.168	-4.381	1.2E-05	6.4663E-05	0610010F05Rik
ENSMUSG00000029326	1397.659	-0.737	0.127	-5.799	6.7E-09	5.4131E-08	Enoph1
ENSMUSG00000096433	205.391	-0.737	0.279	-2.645	8.2E-03	0.02623648	Zfp994
ENSMUSG00000084799	98.081	-0.737	0.251	-2.936	3.3E-03	0.01185638	Ino80dos
ENSMUSG00000039680	718.492	-0.737	0.162	-4.543	5.5E-06	3.1749E-05	Mrps6
ENSMUSG00000043391	2125.263	-0.737	0.162	-4.549	5.4E-06	3.0911E-05	2510009E07Rik
ENSMUSG00000024181	4604.751	-0.737	0.087	-8.477	2.3E-17	3.5745E-16	Mrpl28
ENSMUSG00000026630	224.070	-0.738	0.203	-3.633	2.8E-04	0.00123538	Batf3
ENSMUSG00000062683	819.802	-0.739	0.113	-6.531	6.5E-11	6.3346E-10	Atp5g2
ENSMUSG00000031953	198.817	-0.739	0.267	-2.763	5.7E-03	0.01921516	Tmem170
ENSMUSG00000070923	3795.241	-0.739	0.097	-7.621	2.5E-14	3.1697E-13	Klh19
ENSMUSG00000027452	716.036	-0.739	0.198	-3.742	1.8E-04	0.00083021	Accs1
ENSMUSG00000064317	96.008	-0.740	0.233	-3.177	1.5E-03	0.00571648	Gm10146
ENSMUSG00000020949	919.838	-0.740	0.119	-6.212	5.2E-10	4.7022E-09	Fkbp3
ENSMUSG00000100691	240.225	-0.740	0.222	-3.328	8.7E-04	0.00350363	2010320M18Rik
ENSMUSG00000028010	1217.821	-0.740	0.159	-4.665	3.1E-06	1.8344E-05	Gar1
ENSMUSG00000005034	3258.106	-0.740	0.141	-5.240	1.6E-07	1.1179E-06	Prkacb

ENSMUSG00000028470	1172.036	-0.741	0.138	-5.357	8.5E-08	6.09E-07	Hint2
ENSMUSG00000036850	1448.611	-0.741	0.102	-7.297	2.9E-13	3.4683E-12	Mrpl41
ENSMUSG00000037851	2327.228	-0.741	0.134	-5.536	3.1E-08	2.3432E-07	Iars
ENSMUSG00000024579	473.826	-0.741	0.171	-4.334	1.5E-05	7.9016E-05	Peyox11
ENSMUSG00000001029	647.899	-0.741	0.193	-3.845	1.2E-04	0.0005643	Icam2
ENSMUSG00000045973	3157.159	-0.741	0.092	-8.094	5.8E-16	8.1458E-15	Slc25a51
ENSMUSG00000022295	12845.001	-0.741	0.076	-9.778	1.4E-22	2.8968E-21	Atp6v1c1
ENSMUSG00000019558	7266.888	-0.742	0.156	-4.754	2.0E-06	1.2116E-05	Slc6a8
ENSMUSG00000021009	229.376	-0.742	0.286	-2.599	9.4E-03	0.02947283	Ptpn21
ENSMUSG00000031521	2548.931	-0.743	0.105	-7.058	1.7E-12	1.876E-11	Aga
ENSMUSG00000025209	629.893	-0.743	0.199	-3.724	2.0E-04	0.00088776	Twnk
ENSMUSG00000030386	310.121	-0.743	0.220	-3.372	7.5E-04	0.00303269	Zfp606
ENSMUSG00000041037	389.844	-0.743	0.248	-2.993	2.8E-03	0.01002256	Irgq
ENSMUSG00000099471	70.459	-0.743	0.289	-2.568	1.0E-02	0.03184531	Gm8451
ENSMUSG00000020086	162.107	-0.745	0.254	-2.935	3.3E-03	0.01188787	Macroh2a2
ENSMUSG00000072946	704.250	-0.745	0.151	-4.929	8.3E-07	5.2506E-06	Ptgr2
ENSMUSG00000038489	791.690	-0.745	0.211	-3.538	4.0E-04	0.00172278	Polr21
ENSMUSG00000028292	1137.446	-0.746	0.120	-6.234	4.6E-10	4.1287E-09	Rars2
ENSMUSG00000031955	1462.633	-0.746	0.212	-3.523	4.3E-04	0.00181159	Bcar1
ENSMUSG00000020520	2193.574	-0.746	0.142	-5.267	1.4E-07	9.7385E-07	Galnt10
ENSMUSG00000063894	294.414	-0.746	0.258	-2.898	3.8E-03	0.01319461	Zkscan8
ENSMUSG00000057421	1342.702	-0.747	0.131	-5.716	1.1E-08	8.6555E-08	Las11
ENSMUSG00000014748	6986.197	-0.748	0.091	-8.244	1.7E-16	2.4344E-15	Tex261
ENSMUSG00000032492	324.509	-0.748	0.219	-3.417	6.3E-04	0.00260166	Pth1r
ENSMUSG00000111966	128.158	-0.748	0.236	-3.169	1.5E-03	0.00584916	Gm5781
ENSMUSG00000041491	666.456	-0.748	0.176	-4.243	2.2E-05	0.00011601	Cep78
ENSMUSG00000036975	672.138	-0.749	0.184	-4.068	4.7E-05	0.00023708	Tmem177
ENSMUSG00000024150	8088.315	-0.749	0.063	-11.968	5.2E-33	1.6717E-31	Mcf2
ENSMUSG00000029173	388.776	-0.749	0.274	-2.731	6.3E-03	0.02097262	Sepsecs
ENSMUSG00000004552	232.033	-0.749	0.259	-2.893	3.8E-03	0.01337917	Ctse
ENSMUSG00000037787	730.112	-0.749	0.169	-4.430	9.4E-06	5.2403E-05	Coa8
ENSMUSG00000030615	2373.136	-0.749	0.076	-9.913	3.7E-23	7.7776E-22	Tmem126a
ENSMUSG00000075419	1082.187	-0.749	0.204	-3.682	2.3E-04	0.00103554	Dolk
ENSMUSG00000033488	424.420	-0.750	0.186	-4.024	5.7E-05	0.00028328	Cryzl2
ENSMUSG00000034108	1374.633	-0.750	0.132	-5.665	1.5E-08	1.1531E-07	Ccs
ENSMUSG00000009621	572.830	-0.750	0.207	-3.618	3.0E-04	0.00130171	Vav2
ENSMUSG00000002968	4050.749	-0.751	0.094	-8.007	1.2E-15	1.6285E-14	Med25
ENSMUSG00000049422	378.333	-0.752	0.202	-3.720	2.0E-04	0.00090064	Chchd10
ENSMUSG00000053897	291.140	-0.752	0.285	-2.638	8.3E-03	0.02670892	Slc39a8
ENSMUSG00000031388	416.277	-0.752	0.164	-4.582	4.6E-06	2.6645E-05	Naa10
ENSMUSG00000057657	522.403	-0.752	0.125	-6.032	1.6E-09	1.3972E-08	Rps18-ps3
ENSMUSG00000026193	4468.702	-0.753	0.221	-3.407	6.6E-04	0.00268965	Fn1
ENSMUSG00000036880	3037.137	-0.753	0.111	-6.798	1.1E-11	1.1002E-10	Acaa2
ENSMUSG00000020898	760.682	-0.753	0.195	-3.865	1.1E-04	0.00052326	Ctc1
ENSMUSG00000037260	6141.377	-0.753	0.124	-6.082	1.2E-09	1.0362E-08	Hgsnat
ENSMUSG00000032047	2640.826	-0.754	0.126	-5.978	2.3E-09	1.9197E-08	Acat1
ENSMUSG00000044982	391.355	-0.754	0.201	-3.747	1.8E-04	0.00081734	Sft2d3
ENSMUSG00000028861	2996.440	-0.754	0.070	-10.702	1.0E-26	2.4423E-25	Mrps15
ENSMUSG00000062762	3190.234	-0.755	0.103	-7.325	2.4E-13	2.8356E-12	Ei24
ENSMUSG00000066724	136.650	-0.755	0.215	-3.512	4.5E-04	0.00188397	Gm10175
ENSMUSG00000030850	1848.888	-0.755	0.105	-7.210	5.6E-13	6.4327E-12	Ate1
ENSMUSG00000002660	2236.989	-0.755	0.152	-4.981	6.3E-07	4.0718E-06	Clpp

ENSMUSG00000049881	441.267	-0.755	0.218	-3.472	5.2E-04	0.00216314	2810025M15Rik
ENSMUSG00000031782	1793.668	-0.756	0.119	-6.332	2.4E-10	2.2515E-09	Coq9
ENSMUSG00000026806	951.030	-0.756	0.204	-3.702	2.1E-04	0.00096214	Ddx31
ENSMUSG00000022558	2376.092	-0.756	0.134	-5.635	1.8E-08	1.3619E-07	Mroh1
ENSMUSG00000030161	5176.206	-0.756	0.128	-5.905	3.5E-09	2.9469E-08	Gabarap11
ENSMUSG00000029575	422.116	-0.757	0.241	-3.136	1.7E-03	0.00649551	Mmab
ENSMUSG00000022377	4284.197	-0.757	0.134	-5.640	1.7E-08	1.3262E-07	Asap1
ENSMUSG00000021629	2675.894	-0.757	0.141	-5.374	7.7E-08	5.5858E-07	Slc30a5
ENSMUSG00000043483	79.403	-0.757	0.275	-2.750	6.0E-03	0.0198904	Gm6863
ENSMUSG00000053332	3732.499	-0.758	0.110	-6.900	5.2E-12	5.512E-11	Gas5
ENSMUSG00000024436	738.271	-0.758	0.172	-4.392	1.1E-05	6.1766E-05	Mrps18b
ENSMUSG00000083454	142.117	-0.758	0.225	-3.368	7.6E-04	0.00307068	Gm13226
ENSMUSG00000062014	5152.298	-0.759	0.089	-8.499	1.9E-17	2.9733E-16	Gmfb
ENSMUSG00000018574	1944.287	-0.759	0.112	-6.754	1.4E-11	1.4655E-10	Acadv1
ENSMUSG00000050148	1705.155	-0.759	0.146	-5.217	1.8E-07	1.26E-06	Ubqln2
ENSMUSG00000023915	3845.435	-0.759	0.128	-5.917	3.3E-09	2.7501E-08	Tnfrsf21
ENSMUSG00000052151	937.624	-0.759	0.167	-4.545	5.5E-06	3.1539E-05	Plpp2
ENSMUSG00000030271	338.978	-0.760	0.219	-3.470	5.2E-04	0.00217277	Ogg1
ENSMUSG00000034543	1641.709	-0.760	0.153	-4.976	6.5E-07	4.1833E-06	More2a
ENSMUSG00000036503	8420.707	-0.760	0.087	-8.735	2.4E-18	4.0134E-17	Rnfl3
ENSMUSG00000078956	271.896	-0.760	0.204	-3.720	2.0E-04	0.00089976	Gm14221
ENSMUSG00000024588	2766.675	-0.761	0.099	-7.645	2.1E-14	2.6554E-13	Fech
ENSMUSG00000020267	10132.325	-0.761	0.099	-7.687	1.5E-14	1.9321E-13	Hint1
ENSMUSG00000044092	412.911	-0.761	0.249	-3.055	2.2E-03	0.00831958	C130050O18Rik
ENSMUSG00000043162	383.842	-0.761	0.147	-5.193	2.1E-07	1.4172E-06	Pyurf
ENSMUSG00000037526	522.398	-0.762	0.156	-4.885	1.0E-06	6.4848E-06	Atg14
ENSMUSG00000035754	5274.809	-0.762	0.095	-8.039	9.1E-16	1.2643E-14	Wdr18
ENSMUSG00000032305	1347.713	-0.762	0.146	-5.236	1.6E-07	1.1433E-06	Fam219b
ENSMUSG00000037710	1583.361	-0.763	0.127	-6.018	1.8E-09	1.5211E-08	Cisd1
ENSMUSG00000059482	395.416	-0.763	0.275	-2.773	5.6E-03	0.01870124	2610301B20Rik
ENSMUSG00000008668	8621.970	-0.763	0.147	-5.180	2.2E-07	1.5155E-06	Rps18
ENSMUSG00000025956	708.618	-0.764	0.154	-4.974	6.6E-07	4.2231E-06	Mettl21a
ENSMUSG00000014470	3545.800	-0.765	0.090	-8.485	2.2E-17	3.351E-16	Rnfl66
ENSMUSG00000026313	1299.275	-0.765	0.140	-5.477	4.3E-08	3.2289E-07	Hdac4
ENSMUSG00000033653	1340.189	-0.765	0.176	-4.344	1.4E-05	7.5638E-05	Vps8
ENSMUSG00000041215	616.202	-0.765	0.177	-4.333	1.5E-05	7.9241E-05	Yeats2
ENSMUSG00000019518	246.101	-0.766	0.242	-3.162	1.6E-03	0.00598441	Ap4m1
ENSMUSG00000025731	461.032	-0.766	0.200	-3.826	1.3E-04	0.00060872	Mettl26
ENSMUSG00000040952	16212.740	-0.766	0.123	-6.242	4.3E-10	3.9222E-09	Rps19
ENSMUSG00000028211	642.810	-0.766	0.220	-3.486	4.9E-04	0.00206201	Trp53inp1
ENSMUSG000000111740	154.538	-0.766	0.295	-2.595	9.5E-03	0.02974695	Gm49783
ENSMUSG00000022750	1015.423	-0.766	0.195	-3.931	8.5E-05	0.00040706	Klh122
ENSMUSG00000031985	2106.227	-0.766	0.115	-6.661	2.7E-11	2.7211E-10	Gnpat
ENSMUSG00000054150	410.177	-0.767	0.285	-2.691	7.1E-03	0.02323752	Syne3
ENSMUSG00000029096	495.792	-0.767	0.288	-2.661	7.8E-03	0.0251305	Htra3
ENSMUSG00000044636	321.308	-0.767	0.193	-3.979	6.9E-05	0.00033764	Csrnp2
ENSMUSG00000020255	1349.824	-0.767	0.128	-6.014	1.8E-09	1.5582E-08	D10Wsu102e
ENSMUSG00000014496	711.266	-0.767	0.152	-5.039	4.7E-07	3.0556E-06	Ankrd28
ENSMUSG00000038871	518.877	-0.768	0.285	-2.696	7.0E-03	0.02295867	Bpgm
ENSMUSG00000020334	782.927	-0.768	0.161	-4.772	1.8E-06	1.1119E-05	Slc22a4
ENSMUSG00000030314	3493.187	-0.769	0.094	-8.149	3.7E-16	5.2557E-15	Atg7
ENSMUSG00000059743	104.071	-0.769	0.285	-2.702	6.9E-03	0.02262174	Fdps

ENSMUSG00000037824	4791.195	-0.770	0.095	-8.112	5.0E-16	7.0756E-15	Tspan14
ENSMUSG00000040146	137.495	-0.770	0.308	-2.500	1.2E-02	0.03785748	Rgl3
ENSMUSG00000030768	486.722	-0.770	0.213	-3.613	3.0E-04	0.00132123	Disp1
ENSMUSG00000026812	498.371	-0.770	0.167	-4.598	4.3E-06	2.4842E-05	Tsc1
ENSMUSG000000107023	154.631	-0.770	0.318	-2.422	1.5E-02	0.04583007	Gm42715
ENSMUSG00000028582	1049.531	-0.771	0.157	-4.916	8.8E-07	5.5981E-06	Cc2d1b
ENSMUSG00000029804	597.258	-0.771	0.174	-4.438	9.1E-06	5.0693E-05	Herc3
ENSMUSG00000036819	421.592	-0.771	0.290	-2.659	7.8E-03	0.02528083	Jmjd4
ENSMUSG00000062691	349.807	-0.771	0.173	-4.450	8.6E-06	4.8034E-05	Cebpzos
ENSMUSG00000000594	26354.545	-0.772	0.076	-10.112	4.9E-24	1.0758E-22	Gm2a
ENSMUSG00000039318	1763.010	-0.772	0.139	-5.544	3.0E-08	2.2424E-07	Rab3gap2
ENSMUSG00000002343	584.654	-0.772	0.221	-3.488	4.9E-04	0.0020445	Armc6
ENSMUSG00000080921	256.854	-0.773	0.224	-3.446	5.7E-04	0.00235822	Rpl38-ps2
ENSMUSG00000054428	2824.877	-0.773	0.124	-6.246	4.2E-10	3.8419E-09	Atpif1
ENSMUSG00000024208	2343.701	-0.774	0.137	-5.665	1.5E-08	1.1492E-07	Uqcc2
ENSMUSG00000006057	3468.783	-0.774	0.095	-8.138	4.0E-16	5.7267E-15	Atp5g1
ENSMUSG00000062949	498.946	-0.774	0.184	-4.196	2.7E-05	0.00014028	Atp11c
ENSMUSG00000027395	666.985	-0.774	0.229	-3.378	7.3E-04	0.00297008	Polr1b
ENSMUSG00000042447	781.185	-0.775	0.212	-3.659	2.5E-04	0.00112626	Mios
ENSMUSG00000033400	2162.644	-0.775	0.096	-8.072	6.9E-16	9.7203E-15	Agl
ENSMUSG00000022751	1398.244	-0.775	0.103	-7.491	6.9E-14	8.4318E-13	Nit2
ENSMUSG00000022194	354.340	-0.775	0.204	-3.795	1.5E-04	0.00068269	Pabpn1
ENSMUSG00000041354	4027.084	-0.775	0.099	-7.820	5.3E-15	6.965E-14	Rgl2
ENSMUSG00000020326	9232.850	-0.776	0.087	-8.947	3.6E-19	6.2945E-18	Ccng1
ENSMUSG00000037563	4470.432	-0.776	0.169	-4.601	4.2E-06	2.4549E-05	Rps16
ENSMUSG00000022178	443.304	-0.777	0.215	-3.619	3.0E-04	0.00129791	Ajuba
ENSMUSG00000029535	2586.417	-0.777	0.101	-7.683	1.5E-14	1.9817E-13	Triap1
ENSMUSG00000040813	5258.431	-0.777	0.102	-7.614	2.7E-14	3.3574E-13	Tex264
ENSMUSG00000079435	1253.978	-0.778	0.169	-4.616	3.9E-06	2.2901E-05	Rpl36a
ENSMUSG00000030878	255.164	-0.778	0.281	-2.768	5.6E-03	0.01896819	Cdr2
ENSMUSG00000006356	1944.619	-0.778	0.133	-5.851	4.9E-09	4.0443E-08	Crip2
ENSMUSG00000030942	2653.574	-0.779	0.114	-6.858	7.0E-12	7.3342E-11	Thumpd1
ENSMUSG00000066407	294.372	-0.779	0.172	-4.534	5.8E-06	3.3135E-05	Gm10263
ENSMUSG00000031767	383.246	-0.779	0.185	-4.206	2.6E-05	0.0001349	Nudt7
ENSMUSG00000038776	1027.100	-0.780	0.168	-4.639	3.5E-06	2.0642E-05	Ephx1
ENSMUSG00000024537	1009.574	-0.780	0.131	-5.946	2.8E-09	2.3268E-08	Psmg2
ENSMUSG00000010538	74.842	-0.781	0.301	-2.591	9.6E-03	0.03009561	Tsacc
ENSMUSG00000028007	1410.241	-0.781	0.128	-6.084	1.2E-09	1.0268E-08	Snx7
ENSMUSG00000090952	95.221	-0.781	0.251	-3.115	1.8E-03	0.006924	Gm17251
ENSMUSG00000028833	1741.213	-0.781	0.143	-5.469	4.5E-08	3.3686E-07	Ncdn
ENSMUSG00000026858	570.291	-0.781	0.226	-3.458	5.5E-04	0.00226981	Miga2
ENSMUSG00000040564	122.225	-0.782	0.313	-2.500	1.2E-02	0.0378515	Apoc1
ENSMUSG000000117869	367.492	-0.783	0.224	-3.489	4.8E-04	0.00203725	Snhg4
ENSMUSG00000055491	1841.955	-0.783	0.154	-5.089	3.6E-07	2.3911E-06	Pprcl
ENSMUSG00000008435	1446.568	-0.783	0.129	-6.064	1.3E-09	1.1579E-08	Rdh13
ENSMUSG00000030871	372.359	-0.784	0.223	-3.511	4.5E-04	0.00189042	Ears2
ENSMUSG00000047675	5393.780	-0.784	0.176	-4.448	8.7E-06	4.843E-05	Rps8
ENSMUSG00000026563	433.967	-0.784	0.164	-4.785	1.7E-06	1.0499E-05	Tada1
ENSMUSG00000030089	795.328	-0.785	0.137	-5.731	1.0E-08	7.9896E-08	Slc41a3
ENSMUSG00000057691	1024.568	-0.786	0.133	-5.898	3.7E-09	3.0661E-08	Zfp746
ENSMUSG00000020075	2874.753	-0.786	0.116	-6.794	1.1E-11	1.1275E-10	Ddx21
ENSMUSG00000033629	2580.338	-0.787	0.103	-7.660	1.9E-14	2.3587E-13	Hacd3

ENSMUSG00000057229	1103.241	-0.787	0.158	-4.984	6.2E-07	4.0207E-06	Dmac2
ENSMUSG00000056216	3657.195	-0.787	0.106	-7.439	1.0E-13	1.2365E-12	Cebp β
ENSMUSG00000043964	2304.374	-0.787	0.116	-6.797	1.1E-11	1.1081E-10	Orai3
ENSMUSG00000029600	379.545	-0.788	0.301	-2.616	8.9E-03	0.0282758	Rita1
ENSMUSG00000021108	1951.304	-0.789	0.134	-5.866	4.5E-09	3.6954E-08	Prkch
ENSMUSG00000026600	17540.266	-0.789	0.088	-8.964	3.1E-19	5.4438E-18	Soat1
ENSMUSG00000035877	213.723	-0.789	0.295	-2.673	7.5E-03	0.02437637	Zhx3
ENSMUSG00000083282	642.018	-0.789	0.224	-3.527	4.2E-04	0.00178628	Ctsf
ENSMUSG00000054452	10654.724	-0.789	0.075	-10.553	4.9E-26	1.1757E-24	Tle5
ENSMUSG00000033020	1986.001	-0.789	0.129	-6.103	1.0E-09	9.1258E-09	Polr2f
ENSMUSG00000036632	2479.701	-0.790	0.082	-9.661	4.4E-22	8.9042E-21	Alg5
ENSMUSG00000024078	584.683	-0.790	0.240	-3.293	9.9E-04	0.00393033	Ttc27
ENSMUSG00000039046	496.309	-0.790	0.211	-3.743	1.8E-04	0.00082848	Usp6nl
ENSMUSG00000026860	1909.831	-0.790	0.131	-6.022	1.7E-09	1.4805E-08	Sh3glb2
ENSMUSG00000068689	63.275	-0.790	0.277	-2.855	4.3E-03	0.01489949	Rps19-ps9
ENSMUSG00000037679	1247.539	-0.790	0.232	-3.409	6.5E-04	0.00267623	Inf2
ENSMUSG00000057069	696.653	-0.791	0.156	-5.060	4.2E-07	2.7579E-06	Ero1b
ENSMUSG00000049439	1691.751	-0.791	0.114	-6.927	4.3E-12	4.6083E-11	Cyp20a1
ENSMUSG00000025103	4138.098	-0.791	0.107	-7.380	1.6E-13	1.9021E-12	Btbd1
ENSMUSG00000000282	892.048	-0.791	0.170	-4.659	3.2E-06	1.8863E-05	Mnt
ENSMUSG00000021190	94789.298	-0.791	0.143	-5.546	2.9E-08	2.2239E-07	Lgmn
ENSMUSG00000066839	930.042	-0.792	0.182	-4.348	1.4E-05	7.4353E-05	Ecsit
ENSMUSG00000018651	330.395	-0.792	0.278	-2.852	4.3E-03	0.01504141	Tada2a
ENSMUSG00000056608	771.322	-0.792	0.131	-6.046	1.5E-09	1.2865E-08	Chd9
ENSMUSG00000020661	6419.041	-0.793	0.096	-8.257	1.5E-16	2.1907E-15	Dnmt3a
ENSMUSG00000020116	3317.684	-0.793	0.099	-7.990	1.4E-15	1.8578E-14	Pno1
ENSMUSG00000027330	486.663	-0.793	0.267	-2.967	3.0E-03	0.01082635	Cdc25b
ENSMUSG00000026179	812.080	-0.793	0.155	-5.107	3.3E-07	2.1882E-06	Pnkd
ENSMUSG00000042632	413.834	-0.794	0.275	-2.891	3.8E-03	0.01344568	Pla2g6
ENSMUSG00000026617	1561.196	-0.794	0.125	-6.356	2.1E-10	1.9501E-09	Bpnt1
ENSMUSG00000036879	580.078	-0.794	0.251	-3.166	1.5E-03	0.0059208	Phkb
ENSMUSG00000019808	237.880	-0.794	0.257	-3.085	2.0E-03	0.00759427	Adat2
ENSMUSG00000001909	1329.109	-0.794	0.147	-5.415	6.1E-08	4.4987E-07	Trmt1
ENSMUSG00000063785	1055.340	-0.794	0.131	-6.074	1.2E-09	1.0856E-08	Utp14a
ENSMUSG00000083914	194.221	-0.795	0.223	-3.560	3.7E-04	0.00159449	Rps18-ps1
ENSMUSG00000033386	5070.232	-0.795	0.070	-11.404	4.0E-30	1.1298E-28	Frrs1
ENSMUSG00000025047	891.941	-0.795	0.191	-4.168	3.1E-05	0.00015741	Pdcd11
ENSMUSG00000025169	482.237	-0.796	0.234	-3.403	6.7E-04	0.00272809	Ogfd3
ENSMUSG00000031938	444.655	-0.796	0.195	-4.076	4.6E-05	0.00022947	4931406C07Rik
ENSMUSG00000058748	286.713	-0.796	0.257	-3.103	1.9E-03	0.00718507	Zfp958
ENSMUSG00000022574	230.779	-0.797	0.285	-2.795	5.2E-03	0.01765446	Naprt
ENSMUSG00000025486	371.680	-0.797	0.217	-3.677	2.4E-04	0.00105439	Sirt3
ENSMUSG00000046873	572.812	-0.797	0.191	-4.175	3.0E-05	0.000153	Mbtps2
ENSMUSG00000047676	175.754	-0.797	0.203	-3.927	8.6E-05	0.00041338	Rpsa-ps10
ENSMUSG00000023143	5535.352	-0.798	0.102	-7.827	5.0E-15	6.6171E-14	Nagpa
ENSMUSG00000024787	1941.888	-0.798	0.147	-5.417	6.1E-08	4.4442E-07	Snx15
ENSMUSG00000057411	858.501	-0.798	0.149	-5.341	9.2E-08	6.6289E-07	Antkmt
ENSMUSG00000068184	695.131	-0.798	0.148	-5.392	7.0E-08	5.0671E-07	Ndufaf2
ENSMUSG00000020814	277.779	-0.799	0.281	-2.842	4.5E-03	0.015512	Mxra7
ENSMUSG00000042111	2595.177	-0.799	0.118	-6.757	1.4E-11	1.4405E-10	Ccdc115
ENSMUSG00000028573	338.005	-0.799	0.218	-3.659	2.5E-04	0.00112626	Fggy
ENSMUSG00000026887	577.490	-0.799	0.207	-3.862	1.1E-04	0.00052928	Mrrf

ENSMUSG00000020282	553.506	-0.800	0.288	-2.777	5.5E-03	0.01854387	Rhbdf1
ENSMUSG00000011257	323.297	-0.800	0.171	-4.668	3.0E-06	1.8061E-05	Pabpc4
ENSMUSG00000048486	391.876	-0.800	0.252	-3.170	1.5E-03	0.00583435	Fitm2
ENSMUSG00000074649	715.372	-0.800	0.145	-5.517	3.5E-08	2.6005E-07	BC029722
ENSMUSG00000062937	1781.870	-0.801	0.189	-4.240	2.2E-05	0.00011739	Mtap
ENSMUSG00000070354	215.504	-0.801	0.244	-3.286	1.0E-03	0.00402708	Evi2
ENSMUSG00000040820	270.143	-0.802	0.277	-2.891	3.8E-03	0.01343855	Hlcs
ENSMUSG00000038894	1017.224	-0.803	0.297	-2.706	6.8E-03	0.02241267	Irs2
ENSMUSG00000025648	1757.161	-0.803	0.124	-6.466	1.0E-10	9.6164E-10	Pfkfb4
ENSMUSG00000000605	3605.340	-0.803	0.114	-7.015	2.3E-12	2.5305E-11	Clcn4
ENSMUSG00000034723	1291.317	-0.803	0.154	-5.210	1.9E-07	1.3006E-06	Tmx4
ENSMUSG00000032398	1361.039	-0.803	0.109	-7.355	1.9E-13	2.2985E-12	Snape5
ENSMUSG00000030753	836.138	-0.804	0.227	-3.546	3.9E-04	0.00167256	Thap12
ENSMUSG00000022774	1919.712	-0.804	0.128	-6.283	3.3E-10	3.0562E-09	Ncbp2
ENSMUSG00000000631	990.079	-0.805	0.152	-5.290	1.2E-07	8.6765E-07	Myo18a
ENSMUSG00000041841	3789.847	-0.805	0.181	-4.455	8.4E-06	4.7035E-05	Rpl37
ENSMUSG00000029524	286.732	-0.805	0.249	-3.231	1.2E-03	0.00481545	Sirt4
ENSMUSG00000019872	14314.449	-0.805	0.092	-8.715	2.9E-18	4.784E-17	Smpd13a
ENSMUSG00000003848	2341.164	-0.806	0.118	-6.845	7.7E-12	8.013E-11	Nob1
ENSMUSG00000006289	2086.477	-0.806	0.104	-7.741	9.8E-15	1.2758E-13	Osgep
ENSMUSG00000033174	457.295	-0.806	0.269	-2.998	2.7E-03	0.00986836	Mgll
ENSMUSG00000042558	1860.867	-0.806	0.119	-6.794	1.1E-11	1.1257E-10	Adprs
ENSMUSG000000091478	188.454	-0.807	0.220	-3.668	2.4E-04	0.00108831	Gm10039
ENSMUSG00000017176	1123.486	-0.807	0.135	-5.968	2.4E-09	2.0401E-08	Nt5c3b
ENSMUSG00000050244	856.527	-0.809	0.165	-4.891	1.0E-06	6.314E-06	Heatr1
ENSMUSG00000002767	2330.419	-0.810	0.116	-6.995	2.7E-12	2.9051E-11	Mrpl2
ENSMUSG00000040688	2057.763	-0.811	0.116	-7.001	2.5E-12	2.7903E-11	Tbl3
ENSMUSG00000050708	592646.223	-0.811	0.168	-4.833	1.3E-06	8.3348E-06	Ftl1
ENSMUSG00000037646	964.719	-0.811	0.143	-5.692	1.3E-08	9.9113E-08	Vps13b
ENSMUSG00000016637	854.469	-0.812	0.151	-5.384	7.3E-08	5.277E-07	Ift27
ENSMUSG00000034758	235.554	-0.812	0.274	-2.968	3.0E-03	0.01078795	Tle6
ENSMUSG00000067288	4182.926	-0.813	0.220	-3.700	2.2E-04	0.00096695	Rps28
ENSMUSG00000049672	416.230	-0.813	0.228	-3.560	3.7E-04	0.00159555	Zbtb14
ENSMUSG00000024127	440.263	-0.813	0.196	-4.149	3.3E-05	0.00017029	Prepl
ENSMUSG00000039585	698.479	-0.814	0.143	-5.707	1.2E-08	9.1389E-08	Myo9a
ENSMUSG00000069682	171.770	-0.814	0.206	-3.955	7.7E-05	0.00037096	Gm10275
ENSMUSG00000091803	200.508	-0.814	0.190	-4.282	1.8E-05	9.8354E-05	Cox16
ENSMUSG00000035824	1408.894	-0.815	0.132	-6.158	7.4E-10	6.5852E-09	Tk2
ENSMUSG00000035478	3712.972	-0.815	0.105	-7.757	8.7E-15	1.1311E-13	Mbd3
ENSMUSG00000004610	325.579	-0.815	0.193	-4.216	2.5E-05	0.00012939	Etfb
ENSMUSG00000019813	366.657	-0.815	0.222	-3.675	2.4E-04	0.00106288	Cep5711
ENSMUSG00000032126	2191.720	-0.815	0.108	-7.533	5.0E-14	6.1843E-13	Hmbs
ENSMUSG00000029836	844.951	-0.816	0.120	-6.810	9.7E-12	1.0134E-10	Cbx3
ENSMUSG00000005237	216.302	-0.816	0.318	-2.565	1.0E-02	0.03213008	Dnah2
ENSMUSG00000035559	2863.320	-0.816	0.117	-6.988	2.8E-12	3.0376E-11	Mpv1712
ENSMUSG00000003363	41117.412	-0.816	0.070	-11.712	1.1E-31	3.315E-30	Pld3
ENSMUSG00000036721	271.353	-0.816	0.264	-3.098	2.0E-03	0.00730665	Zscan12
ENSMUSG00000021596	780.869	-0.817	0.181	-4.506	6.6E-06	3.7542E-05	Mctpl
ENSMUSG00000020899	1260.178	-0.817	0.122	-6.718	1.8E-11	1.8747E-10	Pfas
ENSMUSG00000021967	2447.530	-0.817	0.147	-5.553	2.8E-08	2.1356E-07	Mrpl57
ENSMUSG00000002396	1315.093	-0.817	0.146	-5.582	2.4E-08	1.8236E-07	Ocell
ENSMUSG00000004100	1841.230	-0.818	0.156	-5.244	1.6E-07	1.0951E-06	Ppan

ENSMUSG00000028581	62601.051	-0.818	0.074	-11.025	2.9E-28	7.6206E-27	Laptm5
ENSMUSG00000026502	2555.030	-0.818	0.103	-7.913	2.5E-15	3.3972E-14	Desi2
ENSMUSG00000058979	611.522	-0.819	0.203	-4.040	5.3E-05	0.00026583	Hdh5
ENSMUSG00000034353	1096.593	-0.819	0.160	-5.116	3.1E-07	2.086E-06	Ramp1
ENSMUSG00000034430	1252.594	-0.819	0.157	-5.217	1.8E-07	1.26E-06	Zxdc
ENSMUSG00000026027	939.501	-0.819	0.157	-5.234	1.7E-07	1.1514E-06	Stradb
ENSMUSG00000032725	199.163	-0.820	0.305	-2.689	7.2E-03	0.02342015	Folr2
ENSMUSG00000040430	6370.050	-0.821	0.139	-5.920	3.2E-09	2.7102E-08	Pitpnc1
ENSMUSG00000057322	4769.383	-0.822	0.179	-4.581	4.6E-06	2.6838E-05	Rpl38
ENSMUSG00000027133	2450.940	-0.822	0.139	-5.926	3.1E-09	2.6109E-08	Nop10
ENSMUSG00000028931	2793.324	-0.822	0.138	-5.957	2.6E-09	2.1765E-08	Kcnab2
ENSMUSG00000031974	692.768	-0.823	0.179	-4.595	4.3E-06	2.5254E-05	Abcb10
ENSMUSG00000034793	1125.968	-0.823	0.202	-4.079	4.5E-05	0.00022721	G6pc3
ENSMUSG00000049091	4517.729	-0.823	0.141	-5.835	5.4E-09	4.4281E-08	Sephs2
ENSMUSG00000002661	824.096	-0.823	0.171	-4.812	1.5E-06	9.2201E-06	Alkbh7
ENSMUSG00000028273	2816.003	-0.823	0.084	-9.751	1.8E-22	3.7312E-21	Pdlim5
ENSMUSG00000034168	5460.471	-0.823	0.105	-7.860	3.8E-15	5.1195E-14	Irf2bpl
ENSMUSG00000022962	2089.694	-0.824	0.145	-5.690	1.3E-08	9.9944E-08	Gart
ENSMUSG00000031996	9928.356	-0.824	0.095	-8.629	6.2E-18	9.9841E-17	Aplp2
ENSMUSG00000005674	334.661	-0.825	0.206	-4.004	6.2E-05	0.00030657	Tomm401
ENSMUSG00000042647	346.113	-0.825	0.233	-3.547	3.9E-04	0.00167031	Acad12
ENSMUSG00000029119	4957.561	-0.826	0.122	-6.758	1.4E-11	1.4381E-10	Man2b2
ENSMUSG00000057551	875.384	-0.826	0.153	-5.385	7.2E-08	5.2609E-07	Zfp317
ENSMUSG00000040289	209.790	-0.826	0.339	-2.438	1.5E-02	0.04401331	Hey1
ENSMUSG00000029455	19054.294	-0.826	0.066	-12.433	1.7E-35	6.0184E-34	Aldh2
ENSMUSG00000021756	1949.094	-0.827	0.162	-5.110	3.2E-07	2.1582E-06	Il6st
ENSMUSG00000041774	221.352	-0.827	0.305	-2.714	6.7E-03	0.02195871	Ydje
ENSMUSG00000020527	243.420	-0.828	0.291	-2.842	4.5E-03	0.01547358	Myo19
ENSMUSG00000034854	7555.197	-0.828	0.104	-7.938	2.1E-15	2.7877E-14	Mfsd12
ENSMUSG00000039879	165.919	-0.829	0.252	-3.292	9.9E-04	0.00394024	Heca
ENSMUSG00000050796	1040.616	-0.829	0.140	-5.903	3.6E-09	2.981E-08	B3galt6
ENSMUSG000000116562	429.394	-0.829	0.126	-6.591	4.4E-11	4.3111E-10	Gm46542
ENSMUSG00000025584	1789.822	-0.830	0.149	-5.552	2.8E-08	2.1494E-07	Pde8a
ENSMUSG00000034121	183.236	-0.830	0.299	-2.776	5.5E-03	0.01860687	Mks1
ENSMUSG00000096942	1403.351	-0.830	0.102	-8.164	3.2E-16	4.6684E-15	Rps19-ps6
ENSMUSG00000027339	3685.655	-0.830	0.109	-7.585	3.3E-14	4.1795E-13	Rassf2
ENSMUSG00000007039	474.140	-0.831	0.245	-3.392	6.9E-04	0.00283325	Ddah2
ENSMUSG00000019864	744.787	-0.831	0.202	-4.110	4.0E-05	0.00019989	Rtn4ip1
ENSMUSG00000040631	183.224	-0.831	0.319	-2.606	9.2E-03	0.02897351	Dok4
ENSMUSG00000095567	3470.877	-0.831	0.087	-9.551	1.3E-21	2.5404E-20	Noc21
ENSMUSG00000034617	908.805	-0.831	0.209	-3.984	6.8E-05	0.00033134	Mtrr
ENSMUSG00000081929	180.342	-0.831	0.186	-4.470	7.8E-06	4.4007E-05	Rps11-ps2
ENSMUSG00000030652	1021.984	-0.832	0.163	-5.103	3.3E-07	2.2304E-06	Coq7
ENSMUSG00000070394	5335.094	-0.832	0.130	-6.389	1.7E-10	1.5711E-09	Tmem256
ENSMUSG00000048807	1638.746	-0.832	0.146	-5.692	1.3E-08	9.8962E-08	Slc35e4
ENSMUSG00000040734	400.478	-0.832	0.238	-3.500	4.6E-04	0.00195937	Ppp1r131
ENSMUSG00000060063	5079.703	-0.832	0.075	-11.131	8.9E-29	2.3999E-27	Alox5ap
ENSMUSG00000039157	640.218	-0.833	0.219	-3.809	1.4E-04	0.00064726	Fam102a
ENSMUSG00000051390	1073.677	-0.833	0.143	-5.807	6.4E-09	5.177E-08	Zbtb22
ENSMUSG00000058486	1849.204	-0.833	0.142	-5.860	4.6E-09	3.8263E-08	Wdr91
ENSMUSG00000010277	3249.461	-0.834	0.123	-6.793	1.1E-11	1.1358E-10	2610507B11Rik
ENSMUSG00000038838	427.895	-0.834	0.259	-3.220	1.3E-03	0.00498446	Vars2

ENSMUSG00000021257	220.816	-0.834	0.324	-2.578	9.9E-03	0.03107718	Angell
ENSMUSG00000000318	942.779	-0.835	0.207	-4.030	5.6E-05	0.00027658	Clec10a
ENSMUSG00000063816	47.170	-0.835	0.339	-2.466	1.4E-02	0.04108799	Gm4987
ENSMUSG00000024232	1435.667	-0.836	0.141	-5.948	2.7E-09	2.2997E-08	Bambi
ENSMUSG00000091449	579.547	-0.836	0.155	-5.378	7.5E-08	5.4547E-07	Gm10269
ENSMUSG00000038954	608.664	-0.837	0.195	-4.287	1.8E-05	9.6382E-05	Supt3
ENSMUSG00000022913	1009.403	-0.838	0.129	-6.476	9.4E-11	9.05E-10	Psmg1
ENSMUSG00000057440	369.993	-0.838	0.294	-2.851	4.4E-03	0.0151023	Mpp7
ENSMUSG00000055633	214.373	-0.838	0.311	-2.694	7.1E-03	0.02307275	Zfp580
ENSMUSG00000028041	7420.425	-0.838	0.117	-7.185	6.7E-13	7.6985E-12	Adam15
ENSMUSG00000041112	4910.482	-0.839	0.080	-10.465	1.2E-25	2.9134E-24	Elmo1
ENSMUSG00000006732	1156.236	-0.839	0.156	-5.394	6.9E-08	5.0075E-07	Mettl1
ENSMUSG00000031613	782.482	-0.840	0.240	-3.506	4.5E-04	0.00191871	Hpgd
ENSMUSG00000097327	158.696	-0.840	0.227	-3.702	2.1E-04	0.00096189	E030030I06Rik
ENSMUSG00000020657	183.521	-0.840	0.335	-2.508	1.2E-02	0.03717341	Dnajc27
ENSMUSG00000054932	447.448	-0.840	0.214	-3.923	8.8E-05	0.00041956	Afp
ENSMUSG00000037493	275.992	-0.841	0.235	-3.580	3.4E-04	0.00148719	Cib2
ENSMUSG00000014873	776.602	-0.841	0.162	-5.188	2.1E-07	1.4562E-06	Surf2
ENSMUSG000000117924	1078.457	-0.841	0.162	-5.199	2.0E-07	1.3771E-06	Tmem223
ENSMUSG00000036285	1164.064	-0.841	0.166	-5.062	4.2E-07	2.7291E-06	Noa1
ENSMUSG00000021952	445.352	-0.842	0.231	-3.645	2.7E-04	0.00118342	Xpo4
ENSMUSG00000009733	368.782	-0.842	0.244	-3.458	5.4E-04	0.00226747	Tfcp2
ENSMUSG00000004768	375.549	-0.842	0.308	-2.733	6.3E-03	0.02086354	Rab23
ENSMUSG00000022019	523.108	-0.843	0.170	-4.963	7.0E-07	4.4545E-06	Tdrd3
ENSMUSG00000025384	1328.253	-0.843	0.179	-4.716	2.4E-06	1.4473E-05	Faap100
ENSMUSG00000030678	2284.084	-0.843	0.102	-8.307	9.8E-17	1.4529E-15	Maz
ENSMUSG00000059734	6536.496	-0.844	0.091	-9.238	2.5E-20	4.6353E-19	Ndufs8
ENSMUSG00000068267	1261.596	-0.844	0.223	-3.785	1.5E-04	0.00071015	Cenpb
ENSMUSG00000038718	168.620	-0.844	0.337	-2.507	1.2E-02	0.03725488	Pbx3
ENSMUSG00000050373	788.105	-0.845	0.200	-4.225	2.4E-05	0.00012469	Snx21
ENSMUSG00000053205	598.361	-0.845	0.145	-5.824	5.7E-09	4.7093E-08	Styx
ENSMUSG00000063931	8003.804	-0.845	0.090	-9.425	4.3E-21	8.2611E-20	Pepd
ENSMUSG00000048126	460.790	-0.845	0.218	-3.879	1.0E-04	0.00049516	Col6a3
ENSMUSG00000040410	657.429	-0.845	0.184	-4.591	4.4E-06	2.5673E-05	Fbx14
ENSMUSG00000011884	16652.408	-0.845	0.066	-12.821	1.2E-37	4.7241E-36	Gltf
ENSMUSG00000043411	2451.754	-0.846	0.097	-8.764	1.9E-18	3.1232E-17	Usp48
ENSMUSG00000052336	2542.180	-0.846	0.194	-4.351	1.4E-05	7.3527E-05	Cx3cr1
ENSMUSG00000053929	525.337	-0.847	0.222	-3.811	1.4E-04	0.00064455	Cyhr1
ENSMUSG00000026675	480.362	-0.847	0.285	-2.969	3.0E-03	0.01076514	Hsd17b7
ENSMUSG00000045691	96.756	-0.848	0.336	-2.525	1.2E-02	0.03560412	Thtpa
ENSMUSG00000028069	948.194	-0.849	0.182	-4.671	3.0E-06	1.7861E-05	Gpatch4
ENSMUSG00000028085	599.967	-0.850	0.197	-4.318	1.6E-05	8.4756E-05	Gatb
ENSMUSG00000044763	1186.732	-0.850	0.104	-8.138	4.0E-16	5.7267E-15	Trmt10c
ENSMUSG00000040433	2982.671	-0.850	0.137	-6.229	4.7E-10	4.2401E-09	Zbtb38
ENSMUSG00000072825	367.251	-0.850	0.342	-2.485	1.3E-02	0.0393254	Cep170b
ENSMUSG00000034203	2682.457	-0.850	0.127	-6.673	2.5E-11	2.5233E-10	Chchd4
ENSMUSG00000025153	590.797	-0.851	0.236	-3.601	3.2E-04	0.00138269	Fasn
ENSMUSG00000036820	5128.520	-0.851	0.114	-7.450	9.3E-14	1.1386E-12	Amdhd2
ENSMUSG00000029722	1652.369	-0.851	0.157	-5.405	6.5E-08	4.7474E-07	Agfg2
ENSMUSG00000029247	3804.225	-0.851	0.095	-8.975	2.8E-19	4.955E-18	Paics
ENSMUSG00000044037	263.763	-0.851	0.240	-3.542	4.0E-04	0.00169928	Als2cl
ENSMUSG00000042737	1123.444	-0.852	0.178	-4.791	1.7E-06	1.0179E-05	Dpm3

ENSMUSG00000038900	1721.126	-0.853	0.159	-5.353	8.6E-08	6.2236E-07	Rpl12
ENSMUSG00000042348	144.289	-0.853	0.234	-3.646	2.7E-04	0.0011806	Arl15
ENSMUSG00000047721	4003.917	-0.853	0.150	-5.693	1.2E-08	9.8333E-08	Bola2
ENSMUSG00000018395	1418.116	-0.853	0.140	-6.090	1.1E-09	9.8801E-09	Kif3a
ENSMUSG00000049858	264.395	-0.853	0.322	-2.654	8.0E-03	0.02562455	Suox
ENSMUSG00000046323	134.692	-0.853	0.302	-2.825	4.7E-03	0.01624917	Dppa3
ENSMUSG00000033423	3720.623	-0.855	0.119	-7.175	7.2E-13	8.2241E-12	Eri3
ENSMUSG00000036587	383.318	-0.855	0.309	-2.766	5.7E-03	0.01909536	Fut7
ENSMUSG00000034601	368.887	-0.855	0.292	-2.923	3.5E-03	0.01228498	2700049A03Rik
ENSMUSG00000038520	1836.954	-0.855	0.137	-6.253	4.0E-10	3.6735E-09	Tbc1d17
ENSMUSG00000001305	1358.539	-0.856	0.130	-6.596	4.2E-11	4.1629E-10	Rrp15
ENSMUSG00000074863	216.235	-0.856	0.306	-2.800	5.1E-03	0.01741155	Platr25
ENSMUSG00000070705	295.168	-0.857	0.223	-3.849	1.2E-04	0.00055495	Eid2b
ENSMUSG00000037089	5709.688	-0.857	0.095	-9.041	1.5E-19	2.7322E-18	Slc35b2
ENSMUSG00000069520	2455.941	-0.857	0.086	-9.941	2.8E-23	5.8975E-22	Tmem19
ENSMUSG00000022554	756.532	-0.857	0.189	-4.546	5.5E-06	3.1427E-05	Hgh1
ENSMUSG00000041912	273.980	-0.858	0.280	-3.064	2.2E-03	0.00810911	Tdrkh
ENSMUSG00000024081	1290.271	-0.858	0.124	-6.905	5.0E-12	5.3499E-11	Cebpz
ENSMUSG00000051675	755.765	-0.859	0.235	-3.654	2.6E-04	0.00114375	Trim32
ENSMUSG00000027371	287.950	-0.859	0.342	-2.509	1.2E-02	0.03700435	Fahd2a
ENSMUSG00000001056	6283.231	-0.859	0.099	-8.651	5.1E-18	8.2529E-17	Nhp2
ENSMUSG00000020328	2714.128	-0.860	0.099	-8.731	2.5E-18	4.1711E-17	Nuded2
ENSMUSG00000053801	1447.723	-0.862	0.159	-5.410	6.3E-08	4.6176E-07	Grwd1
ENSMUSG00000013622	1816.252	-0.862	0.096	-8.957	3.3E-19	5.7748E-18	Atraid
ENSMUSG00000029545	2811.443	-0.862	0.101	-8.545	1.3E-17	2.025E-16	Acads
ENSMUSG00000024646	15093.815	-0.863	0.124	-6.983	2.9E-12	3.1551E-11	Cyb5a
ENSMUSG00000020604	204.957	-0.864	0.341	-2.532	1.1E-02	0.03500214	Arsg
ENSMUSG00000037601	1968.233	-0.864	0.154	-5.623	1.9E-08	1.4512E-07	Nme1
ENSMUSG00000079260	853.129	-0.864	0.194	-4.458	8.3E-06	4.6349E-05	Tmppe
ENSMUSG00000097392	817.751	-0.864	0.137	-6.297	3.0E-10	2.8082E-09	Thoc2l
ENSMUSG00000022672	238.190	-0.865	0.353	-2.449	1.4E-02	0.04285336	Prkdc
ENSMUSG000000104623	119.905	-0.866	0.218	-3.965	7.4E-05	0.00035682	Gm6394
ENSMUSG00000029925	10739.156	-0.868	0.111	-7.812	5.6E-15	7.3839E-14	Tbxas1
ENSMUSG00000071647	1443.765	-0.868	0.121	-7.204	5.9E-13	6.758E-12	Eml3
ENSMUSG00000048874	1517.379	-0.869	0.120	-7.236	4.6E-13	5.3739E-12	Phf3
ENSMUSG00000016262	117.532	-0.869	0.324	-2.684	7.3E-03	0.02371933	Sertad4
ENSMUSG00000015597	629.603	-0.870	0.211	-4.127	3.7E-05	0.00018632	Zfp318
ENSMUSG00000035215	598.080	-0.870	0.171	-5.081	3.8E-07	2.4878E-06	Lsm7
ENSMUSG00000031671	450.223	-0.870	0.252	-3.449	5.6E-04	0.00233992	Setd6
ENSMUSG00000054237	723.965	-0.870	0.125	-6.971	3.1E-12	3.4171E-11	Fra10ac1
ENSMUSG000000106918	921.190	-0.871	0.166	-5.248	1.5E-07	1.074E-06	Mrpl33
ENSMUSG00000039263	3407.962	-0.871	0.082	-10.596	3.1E-26	7.4738E-25	Npep11
ENSMUSG00000024997	2769.625	-0.871	0.081	-10.817	2.8E-27	7.1523E-26	Prdx3
ENSMUSG00000029162	673.179	-0.872	0.209	-4.177	3.0E-05	0.00015184	Khk
ENSMUSG00000004929	1092.238	-0.872	0.179	-4.869	1.1E-06	7.0144E-06	Thop1
ENSMUSG00000020323	371.047	-0.873	0.313	-2.790	5.3E-03	0.01787264	Prss57
ENSMUSG00000028479	811.534	-0.873	0.191	-4.583	4.6E-06	2.6593E-05	Gne
ENSMUSG00000027259	245.256	-0.874	0.296	-2.955	3.1E-03	0.01120958	Adal
ENSMUSG00000021244	987.924	-0.874	0.144	-6.067	1.3E-09	1.1346E-08	Ylpm1
ENSMUSG00000038241	978.843	-0.874	0.174	-5.031	4.9E-07	3.176E-06	Cep250
ENSMUSG000000102135	113.873	-0.874	0.234	-3.744	1.8E-04	0.00082398	Gm37108
ENSMUSG00000025158	1014.001	-0.875	0.166	-5.280	1.3E-07	9.1259E-07	Rfng

ENSMUSG00000057614	332.507	-0.875	0.322	-2.714	6.6E-03	0.02194447	Gnai1
ENSMUSG00000037366	764.036	-0.875	0.181	-4.844	1.3E-06	7.921E-06	Pafah2
ENSMUSG00000032633	3237.979	-0.875	0.151	-5.779	7.5E-09	6.0651E-08	Fln
ENSMUSG00000008855	2669.863	-0.876	0.136	-6.447	1.1E-10	1.0889E-09	Hdac5
ENSMUSG00000020895	183.862	-0.876	0.360	-2.437	1.5E-02	0.04417485	Tmem107
ENSMUSG00000026956	13513.739	-0.877	0.073	-11.929	8.4E-33	2.6626E-31	Uap111
ENSMUSG00000007827	445.816	-0.877	0.257	-3.413	6.4E-04	0.00263728	Ankrd26
ENSMUSG00000007950	1110.967	-0.877	0.227	-3.858	1.1E-04	0.00053698	Abhd8
ENSMUSG00000025962	1056.549	-0.877	0.142	-6.163	7.1E-10	6.3694E-09	Fastkd2
ENSMUSG00000105388	113.488	-0.877	0.253	-3.471	5.2E-04	0.00216494	Rpl36a-ps2
ENSMUSG00000020101	6937.423	-0.877	0.111	-7.877	3.4E-15	4.5125E-14	Vsir
ENSMUSG00000040681	4521.297	-0.878	0.087	-10.128	4.2E-24	9.209E-23	Hmgn1
ENSMUSG00000001120	200.278	-0.878	0.348	-2.521	1.2E-02	0.03595055	Pcbp3
ENSMUSG00000025503	51625.430	-0.878	0.079	-11.103	1.2E-28	3.2531E-27	Taldo1
ENSMUSG00000031748	113.140	-0.878	0.361	-2.431	1.5E-02	0.04480459	Gnao1
ENSMUSG00000032481	3552.160	-0.879	0.116	-7.599	3.0E-14	3.7617E-13	Smarcc1
ENSMUSG00000040111	911.685	-0.880	0.198	-4.438	9.1E-06	5.067E-05	Gramd1b
ENSMUSG00000034247	3970.055	-0.880	0.130	-6.770	1.3E-11	1.3205E-10	Plekhl1
ENSMUSG00000029616	7921.772	-0.881	0.076	-11.541	8.2E-31	2.3898E-29	Erp29
ENSMUSG00000041132	1098.569	-0.882	0.152	-5.802	6.6E-09	5.3291E-08	N4bp211
ENSMUSG00000027634	1117.687	-0.882	0.177	-4.982	6.3E-07	4.0575E-06	Ndrp3
ENSMUSG00000025538	1062.389	-0.882	0.122	-7.223	5.1E-13	5.8753E-12	Sumf2
ENSMUSG00000015337	314.051	-0.882	0.230	-3.832	1.3E-04	0.0005942	Endog
ENSMUSG00000032440	3839.978	-0.883	0.123	-7.201	6.0E-13	6.8722E-12	Tgfbp2
ENSMUSG00000047250	3876.701	-0.883	0.162	-5.455	4.9E-08	3.6215E-07	Ptgs1
ENSMUSG00000004317	2283.202	-0.883	0.164	-5.384	7.3E-08	5.2889E-07	Clen5
ENSMUSG00000020818	4175.787	-0.883	0.115	-7.700	1.4E-14	1.7448E-13	Mfsd11
ENSMUSG00000004667	4226.578	-0.883	0.101	-8.778	1.7E-18	2.7781E-17	Polr2e
ENSMUSG00000030802	3501.204	-0.884	0.069	-12.779	2.1E-37	8.081E-36	Bckdk
ENSMUSG00000022426	961.726	-0.884	0.158	-5.598	2.2E-08	1.6666E-07	Josd1
ENSMUSG00000024925	2130.090	-0.884	0.131	-6.739	1.6E-11	1.628E-10	Rnaseh2c
ENSMUSG00000024978	674.616	-0.885	0.244	-3.622	2.9E-04	0.00128152	Gpam
ENSMUSG00000042015	2712.145	-0.885	0.153	-5.771	7.9E-09	6.344E-08	Wdr41
ENSMUSG00000029536	1274.237	-0.886	0.173	-5.124	3.0E-07	2.0088E-06	Gatc
ENSMUSG00000002308	768.296	-0.886	0.164	-5.399	6.7E-08	4.8942E-07	Cd320
ENSMUSG00000032396	845.493	-0.887	0.193	-4.594	4.3E-06	2.5271E-05	Dis3l
ENSMUSG00000051768	1421.952	-0.887	0.136	-6.519	7.1E-11	6.868E-10	Xrcc1
ENSMUSG00000038845	1927.638	-0.887	0.123	-7.236	4.6E-13	5.3771E-12	Phb
ENSMUSG00000059851	1107.441	-0.887	0.201	-4.411	1.0E-05	5.6721E-05	Kmt5c
ENSMUSG00000037784	157.070	-0.888	0.365	-2.433	1.5E-02	0.04460295	Dzip11
ENSMUSG00000084108	50.623	-0.889	0.347	-2.562	1.0E-02	0.03236225	Gm15794
ENSMUSG00000024194	3636.427	-0.889	0.091	-9.742	2.0E-22	4.0742E-21	Cuta
ENSMUSG00000027996	603.743	-0.889	0.285	-3.124	1.8E-03	0.00672855	Sfrp2
ENSMUSG00000032449	1894.814	-0.890	0.155	-5.729	1.0E-08	8.0415E-08	Slc25a36
ENSMUSG00000037370	2657.952	-0.891	0.133	-6.709	2.0E-11	1.9873E-10	Enpp1
ENSMUSG00000079144	430.203	-0.891	0.196	-4.556	5.2E-06	3.0019E-05	A130010J15Rik
ENSMUSG00000045519	367.905	-0.891	0.276	-3.229	1.2E-03	0.0048422	Zfp560
ENSMUSG00000022544	958.907	-0.891	0.142	-6.257	3.9E-10	3.5885E-09	Eef2kmt
ENSMUSG00000026811	1442.162	-0.893	0.119	-7.487	7.0E-14	8.6543E-13	St6galnac6
ENSMUSG00000042660	1418.596	-0.893	0.133	-6.708	2.0E-11	1.9972E-10	Wdr55
ENSMUSG00000029587	357.474	-0.893	0.343	-2.607	9.1E-03	0.0288884	Zfp12
ENSMUSG00000020189	6674.566	-0.893	0.141	-6.349	2.2E-10	2.033E-09	Osbp18

ENSMUSG00000037353	1504.766	-0.893	0.153	-5.825	5.7E-09	4.686E-08	Letmd1
ENSMUSG00000036985	3048.378	-0.895	0.109	-8.237	1.8E-16	2.5787E-15	Zdhhc9
ENSMUSG00000020022	3472.319	-0.896	0.101	-8.853	8.6E-19	1.4486E-17	Ndufa12
ENSMUSG00000022364	470.710	-0.896	0.268	-3.339	8.4E-04	0.00337823	Tbc1d31
ENSMUSG00000017485	1381.750	-0.896	0.133	-6.723	1.8E-11	1.8155E-10	Top2b
ENSMUSG00000085711	74.135	-0.897	0.331	-2.711	6.7E-03	0.02212048	Gm15163
ENSMUSG00000039197	1079.620	-0.898	0.143	-6.282	3.3E-10	3.0748E-09	Adk
ENSMUSG00000004069	2423.102	-0.898	0.111	-8.113	4.9E-16	7.0269E-15	Dnaja3
ENSMUSG00000019810	4655.223	-0.898	0.097	-9.254	2.2E-20	4.014E-19	Fuca2
ENSMUSG00000039145	1375.051	-0.898	0.120	-7.501	6.3E-14	7.8273E-13	Camk1d
ENSMUSG00000018446	4941.820	-0.898	0.108	-8.328	8.2E-17	1.235E-15	C1qbp
ENSMUSG00000079508	201.276	-0.899	0.196	-4.591	4.4E-06	2.563E-05	Apoo
ENSMUSG00000020329	978.090	-0.899	0.242	-3.709	2.1E-04	0.00093598	Polrmt
ENSMUSG00000000295	424.232	-0.900	0.228	-3.952	7.7E-05	0.00037406	Hdde2
ENSMUSG00000030590	157.890	-0.901	0.250	-3.602	3.2E-04	0.00137461	Fam98c
ENSMUSG00000020877	127.521	-0.902	0.376	-2.398	1.6E-02	0.04857512	Scrn2
ENSMUSG00000000884	223.025	-0.902	0.360	-2.505	1.2E-02	0.03741974	Gnb11
ENSMUSG00000031730	637.856	-0.903	0.175	-5.158	2.5E-07	1.6951E-06	Dhodh
ENSMUSG00000004032	278.151	-0.903	0.188	-4.810	1.5E-06	9.3019E-06	Gstm5
ENSMUSG00000052751	817.969	-0.903	0.189	-4.791	1.7E-06	1.0175E-05	Repin1
ENSMUSG00000025630	9219.968	-0.904	0.074	-12.201	3.1E-34	1.0214E-32	Hprt
ENSMUSG00000026456	2696.207	-0.904	0.116	-7.802	6.1E-15	7.9955E-14	Cyb5r1
ENSMUSG00000026958	4044.280	-0.904	0.093	-9.764	1.6E-22	3.312E-21	Dpp7
ENSMUSG00000006471	219.943	-0.904	0.237	-3.823	1.3E-04	0.000614	Ndor1
ENSMUSG00000031657	1032.894	-0.904	0.161	-5.619	1.9E-08	1.4881E-07	Heatr3
ENSMUSG00000026278	1176.817	-0.904	0.180	-5.038	4.7E-07	3.0808E-06	Bok
ENSMUSG00000021079	804.881	-0.905	0.181	-5.007	5.5E-07	3.5869E-06	Timm9
ENSMUSG00000002781	218.962	-0.905	0.249	-3.642	2.7E-04	0.00119677	Tmem143
ENSMUSG00000019822	603.506	-0.906	0.211	-4.288	1.8E-05	9.6216E-05	Smpd2
ENSMUSG00000025869	2552.164	-0.906	0.136	-6.675	2.5E-11	2.4856E-10	Nop16
ENSMUSG00000022228	1634.772	-0.906	0.104	-8.678	4.0E-18	6.5776E-17	Zscan26
ENSMUSG00000020087	2357.774	-0.908	0.160	-5.677	1.4E-08	1.0755E-07	Tysnd1
ENSMUSG00000068134	949.363	-0.908	0.126	-7.212	5.5E-13	6.3499E-12	Zfp120
ENSMUSG00000028443	908.220	-0.908	0.111	-8.166	3.2E-16	4.5676E-15	Nudt2
ENSMUSG00000031969	1382.941	-0.909	0.134	-6.792	1.1E-11	1.1414E-10	Acad8
ENSMUSG00000075415	5397.242	-0.910	0.111	-8.173	3.0E-16	4.3543E-15	Fnbp1
ENSMUSG00000018750	465.796	-0.911	0.214	-4.256	2.1E-05	0.00010972	Zbtb4
ENSMUSG00000031563	1768.206	-0.911	0.118	-7.698	1.4E-14	1.77E-13	Wwc2
ENSMUSG00000092014	137.871	-0.911	0.276	-3.303	9.6E-04	0.00380869	Gm4468
ENSMUSG00000013275	761.353	-0.912	0.176	-5.169	2.4E-07	1.6035E-06	Slc41a1
ENSMUSG00000030246	885.831	-0.912	0.199	-4.572	4.8E-06	2.7932E-05	Ldhb
ENSMUSG00000018548	605.299	-0.912	0.246	-3.710	2.1E-04	0.00093425	Trim37
ENSMUSG00000028551	582.286	-0.912	0.199	-4.589	4.4E-06	2.5851E-05	Cdkn2c
ENSMUSG00000039254	753.027	-0.913	0.234	-3.907	9.3E-05	0.00044524	Pomt1
ENSMUSG00000036781	10807.688	-0.913	0.110	-8.271	1.3E-16	1.959E-15	Rps271
ENSMUSG00000030315	1542.257	-0.914	0.163	-5.604	2.1E-08	1.6192E-07	Vgll4
ENSMUSG00000005142	29930.405	-0.915	0.095	-9.645	5.1E-22	1.0321E-20	Man2b1
ENSMUSG00000073609	208.840	-0.915	0.301	-3.042	2.4E-03	0.00865942	D2hgdh
ENSMUSG00000005949	955.711	-0.916	0.165	-5.536	3.1E-08	2.3366E-07	Ctns
ENSMUSG00000054000	515.871	-0.916	0.341	-2.686	7.2E-03	0.02354644	Tuscl
ENSMUSG00000026335	3143.897	-0.916	0.114	-8.004	1.2E-15	1.6577E-14	Pam
ENSMUSG00000024169	303.829	-0.917	0.290	-3.161	1.6E-03	0.00601179	Ift140

ENSMUSG00000024120	1277.891	-0.917	0.166	-5.541	3.0E-08	2.2858E-07	Lrpprc
ENSMUSG00000063457	7059.661	-0.918	0.139	-6.601	4.1E-11	4.0507E-10	Rps15
ENSMUSG00000052934	1309.516	-0.918	0.124	-7.411	1.3E-13	1.5191E-12	Fbxo31
ENSMUSG00000028378	2777.430	-0.918	0.176	-5.223	1.8E-07	1.2214E-06	Ptgr1
ENSMUSG00000022807	5643.645	-0.919	0.130	-7.044	1.9E-12	2.0597E-11	Osbp111
ENSMUSG00000023830	1407.109	-0.919	0.133	-6.913	4.7E-12	5.0601E-11	Igf2r
ENSMUSG00000112646	72.703	-0.920	0.290	-3.167	1.5E-03	0.00590156	Gm5654
ENSMUSG00000051890	154.267	-0.920	0.341	-2.696	7.0E-03	0.02298421	Klhdc1
ENSMUSG00000045055	116.313	-0.920	0.299	-3.075	2.1E-03	0.00782925	Rpsa-ps2
ENSMUSG00000045107	781.362	-0.920	0.133	-6.905	5.0E-12	5.3392E-11	Saysd1
ENSMUSG00000045160	1560.502	-0.920	0.141	-6.541	6.1E-11	5.9708E-10	Bola3
ENSMUSG00000045730	800.343	-0.920	0.195	-4.727	2.3E-06	1.3742E-05	Adrb2
ENSMUSG00000016940	546.468	-0.920	0.177	-5.213	1.9E-07	1.2863E-06	Kctd2
ENSMUSG00000033161	22255.184	-0.921	0.098	-9.434	3.9E-21	7.5575E-20	Atp1a1
ENSMUSG00000049553	874.044	-0.922	0.138	-6.684	2.3E-11	2.3515E-10	Polr1a
ENSMUSG00000004085	1388.878	-0.923	0.134	-6.883	5.8E-12	6.1826E-11	Map3k20
ENSMUSG00000067722	1408.233	-0.923	0.112	-8.244	1.7E-16	2.4426E-15	BC003965
ENSMUSG00000032123	3302.942	-0.924	0.105	-8.836	9.9E-19	1.6688E-17	Dpagt1
ENSMUSG00000021392	684.511	-0.924	0.160	-5.768	8.0E-09	6.4377E-08	Nol8
ENSMUSG00000042050	217.729	-0.925	0.374	-2.471	1.3E-02	0.0405999	Dync2i1
ENSMUSG00000036564	222.875	-0.926	0.365	-2.539	1.1E-02	0.03439082	Ndrp4
ENSMUSG00000015846	837.869	-0.926	0.304	-3.042	2.4E-03	0.00866854	Rxra
ENSMUSG00000020190	5418.788	-0.926	0.128	-7.226	5.0E-13	5.7554E-12	Mknk2
ENSMUSG00000026585	1156.459	-0.926	0.148	-6.265	3.7E-10	3.4267E-09	Kifap3
ENSMUSG00000018931	728.379	-0.926	0.202	-4.574	4.8E-06	2.7716E-05	Natd1
ENSMUSG00000024986	1065.925	-0.926	0.146	-6.343	2.3E-10	2.1076E-09	Hhex
ENSMUSG00000025572	1233.795	-0.927	0.163	-5.695	1.2E-08	9.7528E-08	Tmc6
ENSMUSG00000030218	1721.004	-0.928	0.170	-5.472	4.4E-08	3.3127E-07	Mgp
ENSMUSG00000021477	76625.276	-0.929	0.172	-5.403	6.6E-08	4.7849E-07	Ctsl
ENSMUSG00000032733	611.919	-0.931	0.191	-4.865	1.1E-06	7.1641E-06	Snx33
ENSMUSG00000037847	518.735	-0.932	0.195	-4.779	1.8E-06	1.0765E-05	Nmrk1
ENSMUSG00000030956	1570.594	-0.932	0.163	-5.733	9.9E-09	7.88E-08	Fam53b
ENSMUSG00000062661	1144.398	-0.933	0.193	-4.832	1.3E-06	8.3586E-06	Ncs1
ENSMUSG00000062604	1930.612	-0.933	0.155	-6.006	1.9E-09	1.6356E-08	Srpk2
ENSMUSG00000032657	595.323	-0.934	0.198	-4.706	2.5E-06	1.5201E-05	Fam189b
ENSMUSG00000046441	561.099	-0.934	0.300	-3.109	1.9E-03	0.00705494	Cmtr2
ENSMUSG00000033102	415.771	-0.935	0.250	-3.740	1.8E-04	0.00083778	Cdc14b
ENSMUSG00000022217	651.525	-0.935	0.186	-5.018	5.2E-07	3.3937E-06	Emc9
ENSMUSG00000049598	696.383	-0.936	0.225	-4.155	3.3E-05	0.0001664	Vsig8
ENSMUSG00000112639	62.913	-0.936	0.369	-2.536	1.1E-02	0.03458624	A730063M14Rik
ENSMUSG00000040918	812.312	-0.936	0.238	-3.928	8.6E-05	0.00041176	Slc19a2
ENSMUSG00000067818	5037.233	-0.937	0.154	-6.076	1.2E-09	1.0779E-08	My19
ENSMUSG00000032046	14515.278	-0.937	0.109	-8.612	7.2E-18	1.1464E-16	Abhd12
ENSMUSG00000102353	231.011	-0.937	0.315	-2.974	2.9E-03	0.01061768	Gm38345
ENSMUSG00000030094	1031.785	-0.937	0.176	-5.311	1.1E-07	7.767E-07	Xpc
ENSMUSG00000075268	113.556	-0.938	0.353	-2.654	8.0E-03	0.02564923	Gm10819
ENSMUSG00000038335	741.482	-0.938	0.151	-6.201	5.6E-10	5.0294E-09	Tsrl
ENSMUSG00000037300	2408.447	-0.938	0.137	-6.827	8.7E-12	9.0562E-11	Ttc13
ENSMUSG00000082626	153.369	-0.939	0.223	-4.211	2.5E-05	0.00013229	Rps13-ps5
ENSMUSG00000054942	168.838	-0.939	0.346	-2.716	6.6E-03	0.02181631	Migal
ENSMUSG00000060152	1124.806	-0.939	0.144	-6.536	6.3E-11	6.1716E-10	Pop5
ENSMUSG00000026047	575.304	-0.940	0.139	-6.764	1.3E-11	1.3789E-10	Poglut2

ENSMUSG00000046861	1118.692	-0.940	0.182	-5.163	2.4E-07	1.6574E-06	Hectd3
ENSMUSG00000040321	143.582	-0.941	0.345	-2.724	6.4E-03	0.02134633	Zfp770
ENSMUSG00000001942	892.281	-0.941	0.193	-4.878	1.1E-06	6.7327E-06	Siae
ENSMUSG00000026782	1334.722	-0.941	0.133	-7.083	1.4E-12	1.5686E-11	Abi2
ENSMUSG00000036046	1133.850	-0.941	0.209	-4.498	6.9E-06	3.8987E-05	5031439G07Rik
ENSMUSG00000037904	506.760	-0.942	0.196	-4.809	1.5E-06	9.3411E-06	Ankrd9
ENSMUSG00000046997	348.741	-0.942	0.272	-3.471	5.2E-04	0.00216975	Spsb4
ENSMUSG00000022540	1061.323	-0.942	0.136	-6.936	4.0E-12	4.3386E-11	Rogdi
ENSMUSG00000029036	2576.050	-0.942	0.123	-7.632	2.3E-14	2.9348E-13	Atad3a
ENSMUSG00000026781	1708.778	-0.943	0.105	-8.963	3.2E-19	5.5054E-18	Acbd5
ENSMUSG00000029763	1877.246	-0.943	0.136	-6.916	4.7E-12	4.9841E-11	Exoc4
ENSMUSG00000000253	489.713	-0.943	0.248	-3.797	1.5E-04	0.00067814	Gmpr
ENSMUSG00000090035	370.505	-0.944	0.217	-4.345	1.4E-05	7.5425E-05	Galnt4
ENSMUSG00000061410	238.166	-0.945	0.335	-2.822	4.8E-03	0.01639994	Zcchc14
ENSMUSG00000073664	788.670	-0.945	0.167	-5.674	1.4E-08	1.0968E-07	Nbeal1
ENSMUSG00000017664	3669.940	-0.946	0.133	-7.118	1.1E-12	1.2255E-11	Slc35c2
ENSMUSG00000073889	2346.339	-0.947	0.103	-9.153	5.6E-20	1.0047E-18	Il11ra1
ENSMUSG00000001569	1730.854	-0.948	0.138	-6.858	7.0E-12	7.3295E-11	Nom1
ENSMUSG00000029166	302.686	-0.948	0.288	-3.286	1.0E-03	0.00402957	Mapre3
ENSMUSG00000017390	220.461	-0.948	0.309	-3.065	2.2E-03	0.00806988	Aldoc
ENSMUSG00000021958	519.555	-0.949	0.179	-5.296	1.2E-07	8.3756E-07	Pinx1
ENSMUSG00000085897	54.194	-0.950	0.343	-2.769	5.6E-03	0.01891916	Gm11604
ENSMUSG00000024597	127.528	-0.951	0.373	-2.547	1.1E-02	0.0336364	Slc12a2
ENSMUSG00000025870	599.209	-0.952	0.203	-4.689	2.7E-06	1.6416E-05	Arl10
ENSMUSG00000007872	10831.600	-0.952	0.106	-8.974	2.9E-19	4.976E-18	Id3
ENSMUSG00000028164	1304.766	-0.953	0.171	-5.563	2.6E-08	2.0211E-07	Manba
ENSMUSG00000035049	765.033	-0.953	0.239	-3.981	6.9E-05	0.00033566	Rrp12
ENSMUSG00000024170	856.846	-0.954	0.260	-3.667	2.5E-04	0.00109245	Telo2
ENSMUSG00000022120	425.549	-0.954	0.244	-3.912	9.2E-05	0.00043694	Obi1
ENSMUSG00000089715	242.613	-0.954	0.339	-2.817	4.8E-03	0.01660073	Cbx6
ENSMUSG00000045767	3029.537	-0.955	0.132	-7.215	5.4E-13	6.2096E-12	B230219D22Rik
ENSMUSG00000001313	215.223	-0.955	0.336	-2.844	4.5E-03	0.01540025	Rnd2
ENSMUSG00000023259	435.567	-0.955	0.362	-2.641	8.3E-03	0.02649449	Slc26a6
ENSMUSG00000067924	259.109	-0.956	0.201	-4.750	2.0E-06	1.2334E-05	Rtl8b
ENSMUSG00000040596	575.096	-0.956	0.229	-4.171	3.0E-05	0.00015542	Pogk
ENSMUSG00000026694	541.985	-0.956	0.192	-4.987	6.1E-07	3.9558E-06	Eef1aknmt
ENSMUSG00000023150	2412.763	-0.956	0.128	-7.493	6.7E-14	8.2745E-13	Ivns1abp
ENSMUSG00000087403	532.874	-0.958	0.278	-3.445	5.7E-04	0.00237204	Kantr
ENSMUSG00000046658	161.504	-0.958	0.400	-2.394	1.7E-02	0.04899196	Zfp316
ENSMUSG00000038286	630.825	-0.959	0.155	-6.200	5.7E-10	5.0765E-09	Bphl
ENSMUSG00000031508	1135.136	-0.959	0.181	-5.295	1.2E-07	8.4347E-07	Ankrd10
ENSMUSG00000026490	343.807	-0.959	0.246	-3.896	9.8E-05	0.00046368	Cdc42bpa
ENSMUSG00000029059	2145.849	-0.960	0.137	-7.027	2.1E-12	2.3234E-11	Prxl2b
ENSMUSG00000021876	1092.212	-0.960	0.140	-6.846	7.6E-12	7.9706E-11	Rnase4
ENSMUSG00000042354	2144.831	-0.962	0.114	-8.470	2.5E-17	3.7913E-16	Gnl3
ENSMUSG00000071648	210.685	-0.962	0.358	-2.689	7.2E-03	0.02336317	Rom1
ENSMUSG00000060301	234.712	-0.964	0.302	-3.194	1.4E-03	0.00541317	2610008E11Rik
ENSMUSG00000036918	3080.593	-0.965	0.123	-7.844	4.4E-15	5.784E-14	Ttc7
ENSMUSG00000038205	412.347	-0.965	0.231	-4.168	3.1E-05	0.00015767	Prkab2
ENSMUSG00000040532	676.172	-0.965	0.177	-5.463	4.7E-08	3.4785E-07	Abhd11
ENSMUSG00000034462	740.500	-0.965	0.257	-3.762	1.7E-04	0.00077118	Pkd2
ENSMUSG00000117917	54.609	-0.966	0.358	-2.696	7.0E-03	0.0229643	Gm18087

ENSMUSG0000001039	106.582	-0.967	0.363	-2.663	7.7E-03	0.02501023	B9d1
ENSMUSG00000028696	196.577	-0.967	0.348	-2.780	5.4E-03	0.01837305	Ipp
ENSMUSG00000046791	1216.958	-0.969	0.128	-7.594	3.1E-14	3.9022E-13	Riox1
ENSMUSG00000023990	2451.656	-0.970	0.177	-5.492	4.0E-08	2.9664E-07	Tfeb
ENSMUSG00000002957	5999.114	-0.971	0.107	-9.060	1.3E-19	2.3174E-18	Ap2a2
ENSMUSG00000046573	1639.235	-0.972	0.114	-8.501	1.9E-17	2.9387E-16	Lymr4
ENSMUSG00000001138	224.443	-0.972	0.218	-4.456	8.3E-06	4.6781E-05	Cnm3
ENSMUSG00000024790	1644.225	-0.973	0.145	-6.699	2.1E-11	2.1257E-10	Sac3d1
ENSMUSG00000021668	687.405	-0.973	0.192	-5.061	4.2E-07	2.7335E-06	Polk
ENSMUSG00000068220	49324.331	-0.974	0.108	-8.987	2.5E-19	4.4499E-18	Lgals1
ENSMUSG00000046865	1313.509	-0.974	0.133	-7.327	2.4E-13	2.7987E-12	Fbl
ENSMUSG00000043140	589.705	-0.974	0.178	-5.475	4.4E-08	3.2629E-07	Tmem186
ENSMUSG00000028803	175.129	-0.975	0.345	-2.825	4.7E-03	0.01624014	Nipal3
ENSMUSG00000041801	5137.927	-0.975	0.114	-8.564	1.1E-17	1.7389E-16	Phlda3
ENSMUSG00000021846	634.775	-0.975	0.223	-4.381	1.2E-05	6.4813E-05	Peli2
ENSMUSG00000046808	395.100	-0.976	0.210	-4.650	3.3E-06	1.9692E-05	Atp10d
ENSMUSG00000024726	607.281	-0.976	0.166	-5.877	4.2E-09	3.4749E-08	Carnmt1
ENSMUSG00000023349	48874.956	-0.976	0.115	-8.468	2.5E-17	3.8418E-16	Clec4n
ENSMUSG00000067873	1485.441	-0.977	0.125	-7.813	5.6E-15	7.3309E-14	Htatsf1
ENSMUSG000000113204	195.291	-0.978	0.319	-3.065	2.2E-03	0.0080719	Gm46430
ENSMUSG00000097705	617.738	-0.978	0.142	-6.892	5.5E-12	5.8472E-11	Gm26740
ENSMUSG00000041426	496.557	-0.978	0.287	-3.405	6.6E-04	0.00270948	Hibch
ENSMUSG00000025893	221.715	-0.979	0.201	-4.876	1.1E-06	6.7887E-06	Kbtbd3
ENSMUSG00000066233	213.108	-0.979	0.254	-3.853	1.2E-04	0.0005468	Tmem42
ENSMUSG00000048707	563.619	-0.980	0.212	-4.630	3.7E-06	2.1558E-05	Tprn
ENSMUSG00000023007	350.984	-0.980	0.242	-4.055	5.0E-05	0.00025069	Prpf40b
ENSMUSG00000078440	756.384	-0.980	0.176	-5.573	2.5E-08	1.9149E-07	Dohh
ENSMUSG00000053226	114.916	-0.981	0.378	-2.593	9.5E-03	0.02993103	Dand5
ENSMUSG00000044197	2036.357	-0.981	0.208	-4.719	2.4E-06	1.4316E-05	Gpr146
ENSMUSG00000035944	208.250	-0.982	0.311	-3.154	1.6E-03	0.00613506	Ttc38
ENSMUSG00000028393	1039.101	-0.982	0.149	-6.581	4.7E-11	4.5872E-10	Alad
ENSMUSG00000074211	122.702	-0.982	0.337	-2.919	3.5E-03	0.01243715	Sdhaf1
ENSMUSG00000032883	175.836	-0.983	0.355	-2.772	5.6E-03	0.01878534	Acs13
ENSMUSG00000000561	1003.953	-0.984	0.130	-7.574	3.6E-14	4.5215E-13	Wdr77
ENSMUSG00000032121	172.672	-0.985	0.264	-3.729	1.9E-04	0.00087129	Tmem218
ENSMUSG00000028405	2373.613	-0.986	0.161	-6.126	9.0E-10	7.9744E-09	Aco1
ENSMUSG00000085156	988.156	-0.986	0.186	-5.303	1.1E-07	8.0681E-07	Snhg15
ENSMUSG00000015659	145.114	-0.986	0.317	-3.110	1.9E-03	0.0070315	Seracl
ENSMUSG00000024246	357.389	-0.987	0.279	-3.537	4.0E-04	0.00172642	Thumpd2
ENSMUSG00000028756	3613.068	-0.987	0.142	-6.971	3.1E-12	3.4151E-11	Pink1
ENSMUSG00000036438	20067.650	-0.988	0.067	-14.773	2.2E-49	1.2011E-47	Calm2
ENSMUSG00000046876	1673.439	-0.989	0.113	-8.752	2.1E-18	3.4841E-17	Atxn1
ENSMUSG00000031562	261.819	-0.991	0.234	-4.225	2.4E-05	0.00012499	Dctd
ENSMUSG00000105031	1941.206	-0.991	0.201	-4.932	8.1E-07	5.1606E-06	Gm3511
ENSMUSG00000041654	1491.926	-0.991	0.143	-6.945	3.8E-12	4.0908E-11	Slc39a11
ENSMUSG00000027589	666.893	-0.991	0.214	-4.624	3.8E-06	2.2099E-05	Pemtd2
ENSMUSG00000048497	653.206	-0.992	0.171	-5.812	6.2E-09	5.0365E-08	Mmgt2
ENSMUSG00000027087	5542.880	-0.993	0.095	-10.502	8.4E-26	1.9842E-24	Itgav
ENSMUSG00000046994	571.049	-0.993	0.207	-4.808	1.5E-06	9.3939E-06	Mars2
ENSMUSG00000082165	40.742	-0.995	0.393	-2.533	1.1E-02	0.03490669	Gm7091
ENSMUSG00000028221	2174.813	-0.995	0.137	-7.265	3.7E-13	4.3577E-12	Pip4p2
ENSMUSG00000035142	220.491	-0.995	0.296	-3.361	7.8E-04	0.00314154	Nubpl

ENSMUSG00000027495	730.018	-0.996	0.224	-4.439	9.0E-06	5.04E-05	Fam210b
ENSMUSG00000097944	217.547	-0.997	0.367	-2.720	6.5E-03	0.02158563	A130014A01Rik
ENSMUSG00000030208	10421.595	-0.997	0.160	-6.240	4.4E-10	3.9629E-09	Emp1
ENSMUSG00000003573	1842.338	-0.997	0.136	-7.345	2.1E-13	2.4632E-12	Homer3
ENSMUSG00000026566	875.535	-0.998	0.169	-5.919	3.2E-09	2.7205E-08	Mpz11
ENSMUSG00000040363	2293.683	-0.998	0.170	-5.888	3.9E-09	3.2581E-08	Bcor
ENSMUSG00000028398	1960.275	-0.999	0.112	-8.885	6.4E-19	1.0881E-17	Dmac1
ENSMUSG00000090101	103.557	-0.999	0.282	-3.541	4.0E-04	0.00170115	Snhg9
ENSMUSG00000027843	869.492	-0.999	0.169	-5.906	3.5E-09	2.9246E-08	Ptpn22
ENSMUSG00000026192	1744.954	-1.001	0.138	-7.251	4.1E-13	4.8315E-12	Atic
ENSMUSG00000085245	86.400	-1.002	0.343	-2.922	3.5E-03	0.01232561	Gm11713
ENSMUSG00000022016	505.221	-1.002	0.200	-5.012	5.4E-07	3.5067E-06	Akap11
ENSMUSG00000054115	376.170	-1.003	0.242	-4.145	3.4E-05	0.00017339	Skp2
ENSMUSG00000028737	331.580	-1.004	0.214	-4.702	2.6E-06	1.5425E-05	Aldh4a1
ENSMUSG00000075704	1240.477	-1.004	0.136	-7.366	1.8E-13	2.1058E-12	Txnrd2
ENSMUSG00000052369	1683.504	-1.004	0.121	-8.324	8.5E-17	1.267E-15	Tmem106c
ENSMUSG00000027709	600.102	-1.004	0.169	-5.928	3.1E-09	2.5818E-08	Mccc1
ENSMUSG00000024921	888.985	-1.004	0.193	-5.207	1.9E-07	1.3228E-06	Smarca2
ENSMUSG00000097772	157.461	-1.005	0.293	-3.424	6.2E-04	0.00254474	5430416N02Rik
ENSMUSG00000061286	2677.881	-1.005	0.130	-7.704	1.3E-14	1.6921E-13	Exosc5
ENSMUSG00000058351	1115.793	-1.005	0.163	-6.184	6.3E-10	5.6042E-09	Smim4
ENSMUSG00000029821	2064.248	-1.005	0.154	-6.542	6.1E-11	5.9369E-10	Gsdme
ENSMUSG00000023909	483.329	-1.005	0.231	-4.351	1.4E-05	7.3613E-05	Paqr4
ENSMUSG00000055053	3619.318	-1.006	0.106	-9.488	2.4E-21	4.5818E-20	Nfic
ENSMUSG00000055782	684.658	-1.006	0.242	-4.156	3.2E-05	0.00016557	Abcd2
ENSMUSG00000069206	267.075	-1.007	0.339	-2.968	3.0E-03	0.01077755	Zfp874a
ENSMUSG00000028407	137.936	-1.008	0.225	-4.480	7.5E-06	4.2281E-05	Smim27
ENSMUSG00000062619	761.104	-1.009	0.160	-6.311	2.8E-10	2.5626E-09	2310039H08Rik
ENSMUSG00000063849	1197.325	-1.009	0.173	-5.821	5.8E-09	4.7902E-08	Ppcdc
ENSMUSG00000014980	573.076	-1.010	0.162	-6.250	4.1E-10	3.7442E-09	Tsen15
ENSMUSG00000033209	150.736	-1.010	0.364	-2.775	5.5E-03	0.01863696	Ttc28
ENSMUSG00000026154	591.623	-1.011	0.152	-6.649	3.0E-11	2.9527E-10	Sdhaf4
ENSMUSG00000039109	20787.263	-1.011	0.169	-5.990	2.1E-09	1.7979E-08	F13a1
ENSMUSG00000060036	2808.759	-1.012	0.136	-7.447	9.6E-14	1.1653E-12	Rpl3
ENSMUSG00000054693	7509.152	-1.012	0.081	-12.434	1.7E-35	5.9278E-34	Adam10
ENSMUSG00000046679	535.764	-1.013	0.176	-5.763	8.3E-09	6.6564E-08	C87436
ENSMUSG00000023021	4830.521	-1.013	0.078	-12.999	1.2E-38	4.8404E-37	Cers5
ENSMUSG00000029833	335.281	-1.014	0.238	-4.251	2.1E-05	0.00011215	Trim24
ENSMUSG00000009418	821.359	-1.015	0.172	-5.890	3.9E-09	3.2216E-08	Nav1
ENSMUSG00000097571	102.918	-1.015	0.343	-2.958	3.1E-03	0.0111309	Jpx
ENSMUSG00000054426	106.444	-1.015	0.281	-3.616	3.0E-04	0.00131167	A930005H10Rik
ENSMUSG00000041147	141.180	-1.016	0.350	-2.905	3.7E-03	0.01293963	Brca2
ENSMUSG00000034194	501.825	-1.016	0.200	-5.092	3.5E-07	2.3527E-06	R3hec1
ENSMUSG00000021102	4589.023	-1.017	0.101	-10.103	5.4E-24	1.1858E-22	GlrX5
ENSMUSG00000038178	4133.010	-1.017	0.099	-10.236	1.4E-24	3.0734E-23	Slc43a2
ENSMUSG00000003809	484.252	-1.018	0.227	-4.483	7.3E-06	4.1559E-05	Gcdh
ENSMUSG00000050592	578.712	-1.018	0.245	-4.162	3.1E-05	0.00016126	Fam78a
ENSMUSG00000024151	636.508	-1.018	0.206	-4.937	7.9E-07	5.0406E-06	Msh2
ENSMUSG00000050106	332.855	-1.018	0.192	-5.316	1.1E-07	7.5562E-07	Tmc8
ENSMUSG00000022307	2921.417	-1.018	0.119	-8.590	8.7E-18	1.3843E-16	Oxr1
ENSMUSG00000048232	199.631	-1.018	0.297	-3.427	6.1E-04	0.00251456	Fbxo10
ENSMUSG00000015806	1525.939	-1.019	0.097	-10.463	1.3E-25	2.9761E-24	Qdpr

ENSMUSG00000029263	364.082	-1.019	0.248	-4.110	4.0E-05	0.00020012	Pigg
ENSMUSG00000003228	201.254	-1.019	0.368	-2.773	5.5E-03	0.01869787	Grk5
ENSMUSG00000001962	3694.362	-1.019	0.082	-12.403	2.5E-35	8.6282E-34	Fam50a
ENSMUSG00000002504	272.235	-1.019	0.330	-3.086	2.0E-03	0.00756672	Slc9a3r2
ENSMUSG00000037098	315.340	-1.020	0.215	-4.741	2.1E-06	1.2897E-05	Rab11fip3
ENSMUSG00000115918	744.755	-1.020	0.200	-5.092	3.5E-07	2.3534E-06	A930001M01Rik
ENSMUSG00000028840	50.304	-1.020	0.410	-2.490	1.3E-02	0.03879471	Zfp593
ENSMUSG00000039959	3598.743	-1.020	0.213	-4.779	1.8E-06	1.075E-05	Hip1
ENSMUSG00000032526	1070.761	-1.020	0.132	-7.745	9.5E-15	1.2387E-13	Ss1812
ENSMUSG00000078635	121.057	-1.020	0.273	-3.731	1.9E-04	0.00086424	1700028N14Rik
ENSMUSG00000028673	8561.004	-1.021	0.081	-12.630	1.4E-36	5.2241E-35	Fuca1
ENSMUSG00000057147	792.803	-1.021	0.178	-5.730	1.0E-08	7.998E-08	Dph6
ENSMUSG00000006360	8448.921	-1.021	0.155	-6.572	5.0E-11	4.8831E-10	Crip1
ENSMUSG00000045092	7116.499	-1.022	0.111	-9.241	2.4E-20	4.4922E-19	S1pr1
ENSMUSG00000030592	80.181	-1.022	0.373	-2.743	6.1E-03	0.02030471	Ryr1
ENSMUSG00000116138	596.751	-1.023	0.261	-3.923	8.8E-05	0.00041938	C030006K11Rik
ENSMUSG00000036188	785.410	-1.025	0.175	-5.847	5.0E-09	4.12E-08	Ankmy2
ENSMUSG00000022698	6090.674	-1.026	0.072	-14.163	1.5E-45	7.4898E-44	Naa50
ENSMUSG00000118537	134.762	-1.026	0.383	-2.680	7.4E-03	0.02391662	Shld3
ENSMUSG00000057497	2529.474	-1.026	0.106	-9.714	2.6E-22	5.3262E-21	Fam136a
ENSMUSG00000024312	2026.499	-1.026	0.154	-6.678	2.4E-11	2.4377E-10	Wdr46
ENSMUSG00000001247	121.098	-1.026	0.331	-3.104	1.9E-03	0.00717256	Lsr
ENSMUSG00000059975	206.819	-1.027	0.337	-3.052	2.3E-03	0.00839181	Zfp74
ENSMUSG00000045216	180.275	-1.028	0.274	-3.755	1.7E-04	0.00079316	Hs6st1
ENSMUSG00000032245	1535.592	-1.029	0.130	-7.889	3.0E-15	4.0809E-14	Cln6
ENSMUSG00000110444	251.515	-1.030	0.248	-4.155	3.3E-05	0.00016625	Gm10033
ENSMUSG00000117505	71.089	-1.031	0.381	-2.710	6.7E-03	0.02219918	Gm9993
ENSMUSG00000054169	106.315	-1.032	0.400	-2.578	9.9E-03	0.03104848	Ceacam10
ENSMUSG00000022940	423.812	-1.032	0.166	-6.232	4.6E-10	4.173E-09	Pigp
ENSMUSG00000018199	729.371	-1.032	0.184	-5.606	2.1E-08	1.6015E-07	Ro60
ENSMUSG00000021592	525.495	-1.033	0.161	-6.412	1.4E-10	1.3652E-09	Arsk
ENSMUSG00000028261	1214.124	-1.033	0.145	-7.150	8.7E-13	9.803E-12	Ndufaf4
ENSMUSG00000040269	1634.201	-1.034	0.128	-8.106	5.2E-16	7.416E-15	Mrps28
ENSMUSG00000022701	238.330	-1.034	0.278	-3.725	2.0E-04	0.00088521	Ccdc191
ENSMUSG00000043993	105.989	-1.034	0.421	-2.454	1.4E-02	0.04235143	2900052L18Rik
ENSMUSG00000064360	70.269	-1.034	0.384	-2.695	7.0E-03	0.02303146	mt-Nd3
ENSMUSG00000018677	12274.504	-1.034	0.061	-16.875	6.9E-64	5.7119E-62	Slc25a39
ENSMUSG00000038623	4715.496	-1.036	0.115	-8.981	2.7E-19	4.6798E-18	Tm6sf1
ENSMUSG00000038712	5303.559	-1.037	0.086	-12.024	2.7E-33	8.5292E-32	Mindy1
ENSMUSG00000086742	107.629	-1.038	0.329	-3.152	1.6E-03	0.00617488	Gm16201
ENSMUSG00000030780	722.981	-1.038	0.171	-6.057	1.4E-09	1.203E-08	Rusf1
ENSMUSG00000040785	936.630	-1.038	0.166	-6.261	3.8E-10	3.51E-09	Ttc3
ENSMUSG00000022571	1027.649	-1.039	0.145	-7.173	7.4E-13	8.393E-12	Pycri
ENSMUSG00000062075	1027.637	-1.039	0.145	-7.185	6.7E-13	7.6966E-12	Lmnb2
ENSMUSG00000031807	7031.600	-1.040	0.112	-9.263	2.0E-20	3.6799E-19	Pgls
ENSMUSG00000028331	350.367	-1.041	0.223	-4.656	3.2E-06	1.9139E-05	Trmo
ENSMUSG00000022131	1159.115	-1.041	0.157	-6.649	2.9E-11	2.9495E-10	Gpr180
ENSMUSG00000027387	203.868	-1.042	0.299	-3.485	4.9E-04	0.00206848	Zc3h8
ENSMUSG00000099481	57.002	-1.042	0.435	-2.394	1.7E-02	0.04899196	Xndc1
ENSMUSG00000027303	6336.055	-1.042	0.096	-10.836	2.3E-27	5.8729E-26	Ptptra
ENSMUSG00000028689	382.914	-1.043	0.233	-4.467	7.9E-06	4.4704E-05	Ccdc163
ENSMUSG00000054051	290.506	-1.043	0.240	-4.338	1.4E-05	7.7613E-05	Erc6

ENSMUSG00000032349	2707.989	-1.043	0.114	-9.153	5.5E-20	9.9849E-19	Elov15
ENSMUSG00000084349	341.150	-1.043	0.145	-7.188	6.6E-13	7.5598E-12	Rpl3-ps1
ENSMUSG00000067430	103.939	-1.044	0.404	-2.586	9.7E-03	0.03044639	Zfp763
ENSMUSG00000036078	3223.826	-1.045	0.099	-10.564	4.4E-26	1.0456E-24	Sigmar1
ENSMUSG00000096768	371.308	-1.045	0.328	-3.186	1.4E-03	0.0055537	Gm47283
ENSMUSG00000003948	896.028	-1.046	0.180	-5.805	6.4E-09	5.2261E-08	Mmd
ENSMUSG00000030880	1477.471	-1.046	0.158	-6.621	3.6E-11	3.5532E-10	Polr3e
ENSMUSG00000034880	2586.481	-1.047	0.141	-7.419	1.2E-13	1.4309E-12	Mrpl34
ENSMUSG00000016933	363.663	-1.047	0.266	-3.936	8.3E-05	0.00039847	Plcg1
ENSMUSG00000047547	3106.506	-1.048	0.124	-8.476	2.3E-17	3.5933E-16	Cltb
ENSMUSG00000036622	9125.635	-1.049	0.114	-9.195	3.8E-20	6.857E-19	Atp13a2
ENSMUSG00000047412	675.802	-1.049	0.214	-4.891	1.0E-06	6.3321E-06	Zbtb44
ENSMUSG00000029559	1354.807	-1.050	0.141	-7.423	1.1E-13	1.3907E-12	2210016L21Rik
ENSMUSG00000052949	225.477	-1.051	0.403	-2.610	9.1E-03	0.02866475	Rnfl57
ENSMUSG00000035085	40.547	-1.052	0.400	-2.631	8.5E-03	0.02717825	1700020L24Rik
ENSMUSG00000106925	31.254	-1.052	0.408	-2.578	9.9E-03	0.03105143	Gm20072
ENSMUSG00000028013	1094.759	-1.053	0.131	-8.041	8.9E-16	1.2457E-14	Ppa2
ENSMUSG00000022679	88.137	-1.053	0.431	-2.444	1.5E-02	0.0434757	Mpv171
ENSMUSG00000027165	368.802	-1.053	0.223	-4.712	2.5E-06	1.4764E-05	Iftap
ENSMUSG00000043004	2454.060	-1.054	0.134	-7.857	3.9E-15	5.2629E-14	Gng2
ENSMUSG00000058402	162.673	-1.054	0.403	-2.617	8.9E-03	0.02819477	Zfp420
ENSMUSG00000107283	1363.544	-1.055	0.106	-9.910	3.8E-23	8.0165E-22	Mpv17
ENSMUSG00000039242	744.740	-1.056	0.210	-5.031	4.9E-07	3.1843E-06	B3galnt2
ENSMUSG00000019132	8639.377	-1.058	0.128	-8.258	1.5E-16	2.1795E-15	BC005537
ENSMUSG00000028385	1823.974	-1.059	0.146	-7.261	3.8E-13	4.4845E-12	Snx30
ENSMUSG00000087590	136.456	-1.060	0.284	-3.730	1.9E-04	0.00086751	Epb4114aos
ENSMUSG00000019960	5555.861	-1.060	0.104	-10.204	1.9E-24	4.2697E-23	Dusp6
ENSMUSG00000036327	571.046	-1.061	0.237	-4.483	7.4E-06	4.1685E-05	Qsox2
ENSMUSG00000062931	151.432	-1.061	0.321	-3.310	9.3E-04	0.00372511	Zfp938
ENSMUSG00000036504	63.707	-1.062	0.305	-3.482	5.0E-04	0.00208697	Phpt1
ENSMUSG00000064254	4368.024	-1.062	0.106	-10.011	1.4E-23	2.9514E-22	Ethe1
ENSMUSG00000038208	257.654	-1.063	0.347	-3.063	2.2E-03	0.00814178	Pgap3
ENSMUSG00000015943	1004.901	-1.064	0.176	-6.036	1.6E-09	1.3676E-08	Bola1
ENSMUSG00000004356	673.183	-1.064	0.213	-4.994	5.9E-07	3.831E-06	Utp20
ENSMUSG00000074218	101.675	-1.064	0.276	-3.863	1.1E-04	0.00052758	Cox7a1
ENSMUSG00000100017	180.882	-1.067	0.311	-3.430	6.0E-04	0.00249081	2410022M11Rik
ENSMUSG00000042439	151.800	-1.067	0.330	-3.231	1.2E-03	0.00481515	Zfp532
ENSMUSG00000008575	289.971	-1.067	0.290	-3.686	2.3E-04	0.00101714	Nfib
ENSMUSG00000054519	166.127	-1.067	0.311	-3.432	6.0E-04	0.00247771	Zfp867
ENSMUSG00000025742	703.631	-1.068	0.211	-5.070	4.0E-07	2.6281E-06	Prps2
ENSMUSG00000019874	765.803	-1.068	0.281	-3.804	1.4E-04	0.00066049	Fabp7
ENSMUSG00000049624	1564.562	-1.069	0.121	-8.809	1.3E-18	2.119E-17	Slc17a5
ENSMUSG00000051483	1054.952	-1.070	0.160	-6.702	2.1E-11	2.0778E-10	Cbr1
ENSMUSG00000024413	2973.260	-1.070	0.122	-8.790	1.5E-18	2.5021E-17	Npcl
ENSMUSG00000085037	266.641	-1.071	0.254	-4.224	2.4E-05	0.00012519	4933421O10Rik
ENSMUSG00000022708	1403.855	-1.071	0.127	-8.451	2.9E-17	4.4463E-16	Zbtb20
ENSMUSG00000022533	793.649	-1.071	0.216	-4.951	7.4E-07	4.7059E-06	Atp13a3
ENSMUSG00000031333	531.758	-1.072	0.218	-4.910	9.1E-07	5.7553E-06	Abcb7
ENSMUSG00000015289	828.697	-1.073	0.145	-7.389	1.5E-13	1.7903E-12	Lage3
ENSMUSG00000026659	286.167	-1.073	0.212	-5.062	4.1E-07	2.7266E-06	Dusp12
ENSMUSG00000027185	820.468	-1.073	0.208	-5.163	2.4E-07	1.6571E-06	Nat10
ENSMUSG00000034848	206.063	-1.073	0.349	-3.077	2.1E-03	0.00777742	Ttc21b

ENSMUSG00000035439	3876.105	-1.074	0.113	-9.519	1.7E-21	3.4232E-20	Haus8
ENSMUSG00000030465	187.002	-1.075	0.341	-3.158	1.6E-03	0.00607073	Psd3
ENSMUSG00000022856	560.013	-1.076	0.204	-5.284	1.3E-07	8.9102E-07	Tmem41a
ENSMUSG00000038844	555.533	-1.077	0.246	-4.379	1.2E-05	6.5333E-05	Kif16b
ENSMUSG00000021189	1238.271	-1.077	0.188	-5.727	1.0E-08	8.1463E-08	Atxn3
ENSMUSG00000107002	5046.920	-1.077	0.111	-9.729	2.3E-22	4.6143E-21	0610012G03Rik
ENSMUSG00000024423	2473.429	-1.077	0.149	-7.208	5.7E-13	6.5255E-12	Impact
ENSMUSG00000026853	2341.333	-1.077	0.141	-7.651	2.0E-14	2.5361E-13	Crat
ENSMUSG00000021240	569.838	-1.078	0.269	-4.007	6.2E-05	0.00030324	Abcd4
ENSMUSG00000035967	433.076	-1.078	0.227	-4.751	2.0E-06	1.2262E-05	Ints61
ENSMUSG00000026944	528.603	-1.079	0.232	-4.649	3.3E-06	1.9709E-05	Abca2
ENSMUSG00000099647	49.563	-1.079	0.385	-2.805	5.0E-03	0.01717427	Gm5776
ENSMUSG00000001763	385.570	-1.080	0.243	-4.436	9.2E-06	5.1035E-05	Tspan33
ENSMUSG00000056458	74.680	-1.080	0.392	-2.756	5.9E-03	0.01958447	Mok
ENSMUSG00000046572	175.556	-1.080	0.318	-3.394	6.9E-04	0.00281365	Zfp518b
ENSMUSG00000038371	1725.959	-1.080	0.153	-7.052	1.8E-12	1.9549E-11	Sbf2
ENSMUSG00000034563	112.495	-1.080	0.319	-3.389	7.0E-04	0.00286401	Ccpg1
ENSMUSG00000034738	380.281	-1.081	0.246	-4.390	1.1E-05	6.2257E-05	Nostrin
ENSMUSG00000033685	43102.053	-1.081	0.095	-11.368	6.0E-30	1.7057E-28	Ucp2
ENSMUSG00000037325	288.825	-1.081	0.349	-3.098	1.9E-03	0.00730002	Bbs7
ENSMUSG00000048458	117.879	-1.082	0.339	-3.194	1.4E-03	0.00540865	Inka2
ENSMUSG00000051615	2689.772	-1.082	0.194	-5.579	2.4E-08	1.8578E-07	Rap2a
ENSMUSG00000044469	173.012	-1.082	0.420	-2.576	1.0E-02	0.03118321	Tnfaip811
ENSMUSG00000050335	306739.093	-1.083	0.101	-10.764	5.1E-27	1.2663E-25	Lgals3
ENSMUSG00000031834	1884.246	-1.083	0.185	-5.865	4.5E-09	3.7333E-08	Pik3r2
ENSMUSG00000045100	188.307	-1.083	0.376	-2.883	3.9E-03	0.01377169	Slc25a26
ENSMUSG00000023022	2557.260	-1.084	0.121	-8.928	4.3E-19	7.4805E-18	Lima1
ENSMUSG00000031482	430.678	-1.084	0.228	-4.759	1.9E-06	1.1809E-05	Slc25a15
ENSMUSG00000036555	396.741	-1.084	0.251	-4.328	1.5E-05	8.0961E-05	Iqce
ENSMUSG00000097119	120.181	-1.085	0.358	-3.027	2.5E-03	0.00905829	B230354K17Rik
ENSMUSG00000049950	476.159	-1.086	0.214	-5.066	4.1E-07	2.6733E-06	Rpp38
ENSMUSG00000061313	1904.065	-1.086	0.103	-10.565	4.3E-26	1.0368E-24	Ddhd2
ENSMUSG00000050552	4797.685	-1.086	0.128	-8.462	2.6E-17	4.0513E-16	Lamtor4
ENSMUSG00000021508	8117.980	-1.088	0.153	-7.088	1.4E-12	1.5235E-11	Cxcl14
ENSMUSG00000024975	1384.875	-1.088	0.149	-7.290	3.1E-13	3.6623E-12	Pded4
ENSMUSG00000025137	2416.418	-1.089	0.138	-7.890	3.0E-15	4.0587E-14	Pcyt2
ENSMUSG00000062908	2572.699	-1.090	0.103	-10.535	5.9E-26	1.4067E-24	Acadm
ENSMUSG00000042644	161.445	-1.090	0.371	-2.937	3.3E-03	0.01182584	Itpr3
ENSMUSG00000037416	930.782	-1.090	0.146	-7.484	7.2E-14	8.841E-13	Dmxl1
ENSMUSG00000075054	235.577	-1.091	0.254	-4.288	1.8E-05	9.611E-05	Yae1d1
ENSMUSG00000062078	4829.923	-1.092	0.101	-10.844	2.1E-27	5.3632E-26	Qk
ENSMUSG00000009894	1289.633	-1.092	0.149	-7.350	2.0E-13	2.3734E-12	Snap47
ENSMUSG00000085396	216.800	-1.092	0.276	-3.964	7.4E-05	0.0003571	Firre
ENSMUSG00000029816	205470.016	-1.093	0.100	-10.946	7.0E-28	1.7992E-26	Gpnmb
ENSMUSG00000031827	19089.883	-1.093	0.070	-15.685	1.9E-55	1.2513E-53	Cot11
ENSMUSG00000029594	342.672	-1.094	0.276	-3.963	7.4E-05	0.00035902	Rbm19
ENSMUSG00000097583	115.912	-1.094	0.435	-2.512	1.2E-02	0.03674045	6430590A07Rik
ENSMUSG00000031295	925.580	-1.095	0.195	-5.628	1.8E-08	1.415E-07	Phka2
ENSMUSG00000040913	137.206	-1.095	0.282	-3.878	1.1E-04	0.00049724	Fbxw4
ENSMUSG00000036155	1595.099	-1.095	0.135	-8.107	5.2E-16	7.3794E-15	Mgat5
ENSMUSG00000025937	1652.309	-1.096	0.122	-9.004	2.2E-19	3.8152E-18	Lactb2
ENSMUSG00000028430	1285.404	-1.096	0.167	-6.558	5.5E-11	5.3436E-10	Nol6

ENSMUSG00000071724	182.935	-1.097	0.332	-3.302	9.6E-04	0.00382073	Smpd5
ENSMUSG00000021311	679.724	-1.097	0.178	-6.162	7.2E-10	6.4217E-09	Mtr
ENSMUSG00000024799	349.366	-1.098	0.274	-4.010	6.1E-05	0.00029919	Tm7sf2
ENSMUSG00000021238	360.190	-1.098	0.277	-3.966	7.3E-05	0.00035509	Aldh6a1
ENSMUSG00000056211	2785.530	-1.098	0.116	-9.472	2.7E-21	5.2955E-20	R3hdm1
ENSMUSG00000066613	223.774	-1.099	0.256	-4.298	1.7E-05	9.1939E-05	Zfp932
ENSMUSG00000037805	3162.237	-1.099	0.122	-8.976	2.8E-19	4.8998E-18	Rpl10a
ENSMUSG00000027423	10538.871	-1.099	0.109	-10.087	6.3E-24	1.3873E-22	Snx5
ENSMUSG00000028127	1485.059	-1.100	0.121	-9.092	9.8E-20	1.7394E-18	Abcd3
ENSMUSG00000034993	15859.677	-1.100	0.092	-11.976	4.7E-33	1.5164E-31	Vat1
ENSMUSG00000054434	375.678	-1.101	0.260	-4.239	2.2E-05	0.00011765	Tmem120b
ENSMUSG00000001729	2808.061	-1.101	0.244	-4.507	6.6E-06	3.7376E-05	Akt1
ENSMUSG00000032300	2148.155	-1.101	0.174	-6.337	2.3E-10	2.188E-09	1700017B05Rik
ENSMUSG00000108152	149.748	-1.102	0.375	-2.935	3.3E-03	0.01187801	Gm44152
ENSMUSG00000010047	1874.806	-1.102	0.138	-7.975	1.5E-15	2.0836E-14	Hyal2
ENSMUSG00000042462	1139.507	-1.103	0.156	-7.081	1.4E-12	1.5985E-11	Dctpp1
ENSMUSG00000029276	193.294	-1.103	0.280	-3.946	7.9E-05	0.00038318	Glmn
ENSMUSG00000048264	349.504	-1.106	0.271	-4.078	4.5E-05	0.00022813	Dip2c
ENSMUSG00000027656	1816.590	-1.106	0.215	-5.135	2.8E-07	1.9006E-06	Ccn5
ENSMUSG00000044149	64.400	-1.107	0.409	-2.703	6.9E-03	0.02256838	Nkrf
ENSMUSG00000019883	48.032	-1.107	0.423	-2.616	8.9E-03	0.02824941	Echdc1
ENSMUSG00000018537	106.732	-1.109	0.285	-3.885	1.0E-04	0.00048487	Pcgf2
ENSMUSG00000026603	773.012	-1.109	0.172	-6.449	1.1E-10	1.076E-09	Smyd2
ENSMUSG00000030263	1105.245	-1.110	0.186	-5.976	2.3E-09	1.9407E-08	Lrmp
ENSMUSG00000026245	3718.029	-1.110	0.101	-11.041	2.4E-28	6.376E-27	Farsb
ENSMUSG00000028518	128.681	-1.110	0.348	-3.193	1.4E-03	0.00543279	Prkaa2
ENSMUSG00000022305	2015.447	-1.110	0.208	-5.339	9.3E-08	6.6846E-07	Lrp12
ENSMUSG00000021180	317.401	-1.111	0.184	-6.043	1.5E-09	1.3136E-08	Rps6ka5
ENSMUSG00000075595	955.728	-1.111	0.171	-6.512	7.4E-11	7.1867E-10	Zfp652
ENSMUSG00000009569	1603.260	-1.111	0.134	-8.285	1.2E-16	1.7519E-15	Mrtfb
ENSMUSG00000101609	758.287	-1.111	0.224	-4.962	7.0E-07	4.4565E-06	Kcnq1ot1
ENSMUSG00000024299	796.597	-1.113	0.198	-5.610	2.0E-08	1.5667E-07	Adamts10
ENSMUSG00000048581	249.531	-1.113	0.344	-3.233	1.2E-03	0.00478123	E130311K13Rik
ENSMUSG00000022270	1679.311	-1.113	0.160	-6.972	3.1E-12	3.3872E-11	Retreg1
ENSMUSG00000017607	161.045	-1.113	0.427	-2.607	9.1E-03	0.02890146	Tns4
ENSMUSG00000027357	535.291	-1.114	0.392	-2.844	4.5E-03	0.01541229	Crls1
ENSMUSG00000040280	223.072	-1.114	0.305	-3.651	2.6E-04	0.00115886	Ndufa412
ENSMUSG00000073700	1408.102	-1.114	0.153	-7.269	3.6E-13	4.2303E-12	Klh121
ENSMUSG00000021792	544.318	-1.114	0.148	-7.510	5.9E-14	7.3214E-13	Prx12a
ENSMUSG00000019841	409.025	-1.115	0.191	-5.836	5.3E-09	4.3882E-08	Rev3l
ENSMUSG00000028549	120.099	-1.115	0.378	-2.948	3.2E-03	0.01144692	Itgb3bp
ENSMUSG00000071037	217.043	-1.116	0.251	-4.438	9.1E-06	5.0559E-05	Camkmt
ENSMUSG00000002274	470.957	-1.117	0.188	-5.931	3.0E-09	2.5443E-08	Metrn
ENSMUSG00000020888	1375.782	-1.117	0.170	-6.575	4.9E-11	4.7909E-10	Dvl2
ENSMUSG00000035473	415.880	-1.118	0.204	-5.468	4.5E-08	3.3776E-07	Galm
ENSMUSG00000021127	9359.830	-1.119	0.122	-9.187	4.1E-20	7.3756E-19	Zfp3611
ENSMUSG00000056952	247.518	-1.120	0.336	-3.336	8.5E-04	0.00341082	Tatdn2
ENSMUSG00000021245	202.274	-1.121	0.361	-3.106	1.9E-03	0.00713023	Mlh3
ENSMUSG00000029290	1119.286	-1.122	0.128	-8.740	2.3E-18	3.8465E-17	Zfp326
ENSMUSG00000039253	331.467	-1.123	0.225	-4.986	6.2E-07	3.9785E-06	Fn3krp
ENSMUSG00000113722	128.090	-1.123	0.312	-3.603	3.1E-04	0.00137367	Snhg10
ENSMUSG00000047767	840.426	-1.123	0.151	-7.458	8.8E-14	1.0761E-12	Atg16l2

ENSMUSG00000066621	2008.971	-1.123	0.147	-7.626	2.4E-14	3.064E-13	Tecpr1
ENSMUSG00000026358	4896.795	-1.125	0.210	-5.365	8.1E-08	5.859E-07	Rgs1
ENSMUSG00000027243	336.021	-1.125	0.351	-3.205	1.4E-03	0.00522188	Harbi1
ENSMUSG00000038065	113.486	-1.125	0.398	-2.826	4.7E-03	0.01619178	Mturn
ENSMUSG00000051373	225.858	-1.125	0.371	-3.034	2.4E-03	0.00884913	Plpp7
ENSMUSG00000010607	958.207	-1.126	0.127	-8.878	6.8E-19	1.1606E-17	Pigyl
ENSMUSG00000054619	230.519	-1.126	0.354	-3.177	1.5E-03	0.00571951	Mett17a1
ENSMUSG00000021094	2959.547	-1.127	0.085	-13.238	5.3E-40	2.163E-38	Dhrs7
ENSMUSG00000063320	334.038	-1.127	0.236	-4.779	1.8E-06	1.0743E-05	1190007I07Rik
ENSMUSG00000066057	66.977	-1.128	0.466	-2.418	1.6E-02	0.04622595	Gm1976
ENSMUSG00000103851	64.784	-1.128	0.451	-2.502	1.2E-02	0.03770362	Gm37606
ENSMUSG00000078762	44.567	-1.128	0.463	-2.437	1.5E-02	0.04421012	Haus5
ENSMUSG00000013236	1785.970	-1.130	0.139	-8.123	4.5E-16	6.4551E-15	Ptpsr
ENSMUSG00000037940	366.874	-1.130	0.207	-5.456	4.9E-08	3.6151E-07	Inpp4b
ENSMUSG00000041734	125.274	-1.130	0.379	-2.980	2.9E-03	0.01041511	Kirrel
ENSMUSG00000011382	610.846	-1.131	0.161	-7.017	2.3E-12	2.4815E-11	Dhdh
ENSMUSG00000033713	3101.926	-1.131	0.104	-10.874	1.5E-27	3.8882E-26	Foxn3
ENSMUSG00000102418	238.687	-1.131	0.221	-5.120	3.1E-07	2.0536E-06	Sh2d1b1
ENSMUSG00000043885	967.223	-1.132	0.172	-6.598	4.2E-11	4.1245E-10	Slc36a4
ENSMUSG00000036898	409.759	-1.132	0.331	-3.416	6.4E-04	0.00261144	Zfp157
ENSMUSG00000037035	48.152	-1.133	0.473	-2.394	1.7E-02	0.04895288	Inhbb
ENSMUSG00000074280	282.193	-1.134	0.213	-5.329	9.9E-08	7.0501E-07	Gm6166
ENSMUSG00000029674	380.201	-1.134	0.272	-4.177	3.0E-05	0.00015183	Limk1
ENSMUSG00000075528	40.402	-1.136	0.469	-2.421	1.5E-02	0.0459423	Aarsd1
ENSMUSG00000023923	723.512	-1.136	0.156	-7.296	3.0E-13	3.5112E-12	Tbc1d5
ENSMUSG00000031133	1464.374	-1.137	0.187	-6.092	1.1E-09	9.7667E-09	Arhgef6
ENSMUSG00000062906	512.125	-1.137	0.289	-3.936	8.3E-05	0.00039857	Hdac10
ENSMUSG00000074865	80.945	-1.138	0.447	-2.544	1.1E-02	0.03389551	Zfp934
ENSMUSG00000032422	644.012	-1.138	0.184	-6.202	5.6E-10	5.0179E-09	Snx14
ENSMUSG00000037221	1998.900	-1.139	0.103	-11.091	1.4E-28	3.673E-27	Mospd3
ENSMUSG00000015342	94.953	-1.139	0.368	-3.094	2.0E-03	0.00738443	Xk
ENSMUSG00000029463	95.272	-1.140	0.336	-3.396	6.9E-04	0.00279786	Fam216a
ENSMUSG00000025086	272.289	-1.140	0.218	-5.223	1.8E-07	1.2222E-06	Trub1
ENSMUSG00000031284	83.551	-1.140	0.428	-2.664	7.7E-03	0.02495475	Pak3
ENSMUSG00000042046	628.759	-1.140	0.212	-5.373	7.8E-08	5.617E-07	Dstyk
ENSMUSG00000029373	166500.371	-1.141	0.138	-8.249	1.6E-16	2.3506E-15	Pf4
ENSMUSG00000026200	300.417	-1.142	0.301	-3.795	1.5E-04	0.00068269	Glb11
ENSMUSG00000023284	118.309	-1.142	0.369	-3.091	2.0E-03	0.00745667	Zfp605
ENSMUSG00000021830	618.653	-1.143	0.245	-4.670	3.0E-06	1.7936E-05	Txndc16
ENSMUSG00000008226	336.530	-1.143	0.202	-5.671	1.4E-08	1.1149E-07	Scrn3
ENSMUSG00000018909	1779.261	-1.144	0.156	-7.332	2.3E-13	2.7083E-12	Arrb1
ENSMUSG00000026388	110.340	-1.145	0.319	-3.589	3.3E-04	0.00144404	3110009E18Rik
ENSMUSG00000038147	12211.213	-1.145	0.102	-11.259	2.1E-29	5.7907E-28	Cd84
ENSMUSG00000022788	1692.458	-1.146	0.160	-7.168	7.6E-13	8.6623E-12	Fgd4
ENSMUSG00000066595	1021.510	-1.146	0.168	-6.804	1.0E-11	1.0534E-10	Flvcr1
ENSMUSG00000103591	177.199	-1.146	0.347	-3.303	9.6E-04	0.00381057	Gm38365
ENSMUSG00000015766	1059.245	-1.146	0.213	-5.390	7.1E-08	5.1366E-07	Eps8
ENSMUSG00000086564	89.660	-1.147	0.458	-2.505	1.2E-02	0.03740669	Cd101
ENSMUSG00000030649	244.463	-1.148	0.261	-4.390	1.1E-05	6.232E-05	Anapc15
ENSMUSG00000037348	1877.816	-1.148	0.196	-5.865	4.5E-09	3.7153E-08	Paqr7
ENSMUSG00000022474	796.151	-1.149	0.149	-7.734	1.0E-14	1.3485E-13	Pmm1
ENSMUSG00000018846	934.849	-1.150	0.206	-5.577	2.4E-08	1.8705E-07	Pank3

ENSMUSG00000034714	5154.359	-1.150	0.096	-11.927	8.5E-33	2.7065E-31	Ttyh2
ENSMUSG00000074357	112.542	-1.150	0.328	-3.508	4.5E-04	0.00190749	AA386476
ENSMUSG00000018821	669.042	-1.150	0.179	-6.425	1.3E-10	1.2593E-09	Avpi1
ENSMUSG00000044367	431.780	-1.150	0.367	-3.135	1.7E-03	0.00651891	Slc16a13
ENSMUSG00000078515	2795.490	-1.150	0.105	-10.964	5.7E-28	1.4728E-26	Ddi2
ENSMUSG00000046567	109.564	-1.152	0.334	-3.447	5.7E-04	0.00235196	4930430F08Rik
ENSMUSG00000040997	4834.380	-1.152	0.101	-11.428	3.0E-30	8.6307E-29	Abhd4
ENSMUSG00000037926	1201.100	-1.153	0.158	-7.288	3.1E-13	3.7053E-12	Ssh2
ENSMUSG00000039018	701.896	-1.153	0.190	-6.053	1.4E-09	1.2346E-08	Mtg1
ENSMUSG00000022324	178.007	-1.153	0.374	-3.086	2.0E-03	0.00757271	Matn2
ENSMUSG00000020747	759.101	-1.154	0.202	-5.723	1.0E-08	8.3399E-08	Tmem94
ENSMUSG00000044442	1120.874	-1.154	0.159	-7.277	3.4E-13	4.0183E-12	N6amt1
ENSMUSG00000117775	143.753	-1.156	0.380	-3.039	2.4E-03	0.00873492	Gm50462
ENSMUSG00000015852	23348.311	-1.156	0.161	-7.161	8.0E-13	9.0943E-12	Fcrls
ENSMUSG00000043065	221.580	-1.160	0.373	-3.109	1.9E-03	0.0070577	Spice1
ENSMUSG00000038126	196.573	-1.161	0.352	-3.294	9.9E-04	0.00392297	Mphosph9
ENSMUSG00000022351	1583.695	-1.161	0.154	-7.524	5.3E-14	6.6072E-13	Sqle
ENSMUSG00000038872	780.476	-1.161	0.147	-7.879	3.3E-15	4.4168E-14	Zfhx3
ENSMUSG00000054894	216.272	-1.161	0.241	-4.816	1.5E-06	9.0315E-06	Dmac2l
ENSMUSG00000018509	296.832	-1.161	0.238	-4.890	1.0E-06	6.3465E-06	Cenpv
ENSMUSG00000038024	614.717	-1.162	0.193	-6.032	1.6E-09	1.4021E-08	Dennd4c
ENSMUSG00000026879	18255.379	-1.162	0.069	-16.944	2.1E-64	1.7899E-62	Gsn
ENSMUSG00000032549	161.166	-1.162	0.386	-3.010	2.6E-03	0.00952886	Rab6b
ENSMUSG00000015112	519.013	-1.163	0.239	-4.870	1.1E-06	6.9969E-06	Slc25a13
ENSMUSG00000036181	3674.271	-1.163	0.167	-6.958	3.5E-12	3.7457E-11	Hlf2
ENSMUSG00000020773	3400.726	-1.163	0.119	-9.744	2.0E-22	4.0129E-21	Trim47
ENSMUSG00000000934	220.094	-1.164	0.265	-4.391	1.1E-05	6.203E-05	Top1mt
ENSMUSG00000060181	450.242	-1.165	0.170	-6.866	6.6E-12	6.9416E-11	Slc35e3
ENSMUSG00000062585	415.802	-1.166	0.331	-3.521	4.3E-04	0.00182526	Cnr2
ENSMUSG00000061887	615.339	-1.166	0.245	-4.765	1.9E-06	1.1484E-05	Ssbp3
ENSMUSG00000026688	990.323	-1.166	0.152	-7.690	1.5E-14	1.8883E-13	Mgst3
ENSMUSG00000040102	388.431	-1.167	0.243	-4.799	1.6E-06	9.7764E-06	Klh142
ENSMUSG00000027533	19792.718	-1.168	0.125	-9.380	6.6E-21	1.243E-19	Fabp5
ENSMUSG00000000811	293.432	-1.168	0.369	-3.169	1.5E-03	0.00585672	Txnrd3
ENSMUSG00000015961	3654.973	-1.169	0.124	-9.455	3.2E-21	6.2178E-20	Adss
ENSMUSG00000024803	86.390	-1.169	0.457	-2.559	1.0E-02	0.03258313	Ankrd1
ENSMUSG00000108621	319.765	-1.170	0.331	-3.532	4.1E-04	0.00175794	Gm33989
ENSMUSG00000106532	33.306	-1.171	0.425	-2.753	5.9E-03	0.01976553	Gm5714
ENSMUSG00000030060	1074.975	-1.171	0.150	-7.812	5.6E-15	7.4098E-14	Hmces
ENSMUSG00000103867	756.552	-1.172	0.251	-4.662	3.1E-06	1.8646E-05	9630010A21Rik
ENSMUSG00000032411	294.041	-1.172	0.243	-4.821	1.4E-06	8.8147E-06	Tfdp2
ENSMUSG00000026019	1580.620	-1.172	0.169	-6.956	3.5E-12	3.7988E-11	Wdr12
ENSMUSG00000085795	2157.335	-1.172	0.146	-8.038	9.2E-16	1.2741E-14	Zfp703
ENSMUSG00000027200	182.131	-1.174	0.383	-3.062	2.2E-03	0.00814438	Sema6d
ENSMUSG00000021048	1531.859	-1.174	0.158	-7.436	1.0E-13	1.2604E-12	Mthfd1
ENSMUSG00000006315	2936.199	-1.174	0.106	-11.065	1.9E-28	4.942E-27	Tmem147
ENSMUSG00000116097	154.545	-1.174	0.254	-4.623	3.8E-06	2.2272E-05	Gm36738
ENSMUSG00000034799	280.942	-1.175	0.271	-4.330	1.5E-05	8.0454E-05	Unc13a
ENSMUSG00000025232	39619.444	-1.178	0.052	-22.628	2.3E-113	5.753E-111	Hexa
ENSMUSG00000060012	1112.391	-1.179	0.138	-8.534	1.4E-17	2.2234E-16	Kif13b
ENSMUSG00000049225	1282.477	-1.179	0.171	-6.917	4.6E-12	4.9436E-11	Pdp1
ENSMUSG00000031824	1072.857	-1.179	0.221	-5.326	1.0E-07	7.1564E-07	6430548M08Rik

ENSMUSG00000081926	38.567	-1.181	0.442	-2.672	7.5E-03	0.02444631	Gm15536
ENSMUSG00000056612	2134.653	-1.181	0.256	-4.618	3.9E-06	2.2765E-05	Ppp1r14b
ENSMUSG00000031169	236.103	-1.181	0.304	-3.884	1.0E-04	0.00048673	Porcn
ENSMUSG00000033083	607.234	-1.181	0.346	-3.412	6.4E-04	0.00264577	Tbc1d4
ENSMUSG00000107881	100.195	-1.182	0.357	-3.312	9.2E-04	0.0036893	Gm44250
ENSMUSG00000085287	121.227	-1.182	0.488	-2.424	1.5E-02	0.04558271	4833418N02Rik
ENSMUSG00000008305	708.280	-1.183	0.245	-4.835	1.3E-06	8.2404E-06	Tle1
ENSMUSG00000013921	136.128	-1.186	0.422	-2.814	4.9E-03	0.0167551	Clip3
ENSMUSG00000032431	3531.824	-1.187	0.094	-12.671	8.5E-37	3.1325E-35	Crtap
ENSMUSG00000027624	1148.549	-1.188	0.219	-5.422	5.9E-08	4.3199E-07	Epb4111
ENSMUSG00000026471	324.992	-1.188	0.327	-3.632	2.8E-04	0.00123664	Mr1
ENSMUSG00000039357	1459.117	-1.190	0.182	-6.551	5.7E-11	5.5812E-10	Fut11
ENSMUSG00000047604	414.844	-1.190	0.211	-5.643	1.7E-08	1.2997E-07	Frat2
ENSMUSG00000039982	2778.250	-1.190	0.120	-9.940	2.8E-23	5.9318E-22	Dtx4
ENSMUSG00000054675	605.996	-1.190	0.255	-4.659	3.2E-06	1.8879E-05	Tmem119
ENSMUSG00000040883	1266.613	-1.190	0.152	-7.832	4.8E-15	6.3655E-14	Tmem205
ENSMUSG00000005580	347.957	-1.190	0.283	-4.212	2.5E-05	0.00013136	Adcy9
ENSMUSG00000028167	91.413	-1.191	0.371	-3.214	1.3E-03	0.00508085	Bdh2
ENSMUSG00000031851	1512.791	-1.194	0.140	-8.514	1.7E-17	2.621E-16	Ntpcr
ENSMUSG00000060260	1813.276	-1.194	0.149	-8.029	9.8E-16	1.3639E-14	Pwpp2b
ENSMUSG00000059540	166.164	-1.195	0.294	-4.062	4.9E-05	0.00024288	Tcea2
ENSMUSG00000030515	122.532	-1.196	0.443	-2.702	6.9E-03	0.0226253	Tarsl2
ENSMUSG00000039405	808.576	-1.196	0.232	-5.154	2.6E-07	1.7329E-06	Prss23
ENSMUSG00000024985	8333.063	-1.197	0.153	-7.846	4.3E-15	5.7132E-14	Tcf7l2
ENSMUSG00000023055	1340.927	-1.197	0.149	-8.063	7.4E-16	1.0426E-14	Calcoco1
ENSMUSG00000029672	2966.072	-1.198	0.126	-9.515	1.8E-21	3.5678E-20	Fam3c
ENSMUSG00000021418	272.172	-1.199	0.247	-4.846	1.3E-06	7.8472E-06	Rpp40
ENSMUSG00000024084	312.692	-1.199	0.243	-4.927	8.4E-07	5.3056E-06	Qpct
ENSMUSG00000095930	79.225	-1.200	0.465	-2.579	9.9E-03	0.03101445	Nim1k
ENSMUSG00000078878	35.331	-1.200	0.404	-2.971	3.0E-03	0.01068383	Gm14305
ENSMUSG00000028690	622.660	-1.201	0.230	-5.210	1.9E-07	1.3022E-06	Mmachc
ENSMUSG00000035900	346.202	-1.201	0.300	-4.007	6.2E-05	0.00030352	Gramd4
ENSMUSG00000026640	201.423	-1.201	0.316	-3.807	1.4E-04	0.00065288	Plxna2
ENSMUSG00000001751	5994.456	-1.202	0.096	-12.564	3.3E-36	1.1954E-34	Naglu
ENSMUSG00000007989	76.320	-1.202	0.427	-2.813	4.9E-03	0.01678927	Fzd3
ENSMUSG00000056999	1818.109	-1.202	0.122	-9.894	4.4E-23	9.3363E-22	Ide
ENSMUSG00000075391	23.511	-1.203	0.497	-2.418	1.6E-02	0.04619549	Glo1-ps
ENSMUSG00000019943	11818.732	-1.203	0.093	-12.971	1.8E-38	6.9233E-37	Atp2b1
ENSMUSG00000031666	727.878	-1.204	0.234	-5.148	2.6E-07	1.7872E-06	Rbl2
ENSMUSG00000028957	291.146	-1.204	0.316	-3.812	1.4E-04	0.00064109	Per3
ENSMUSG00000072066	87.220	-1.205	0.474	-2.543	1.1E-02	0.03398584	6720489N17Rik
ENSMUSG00000021236	565.384	-1.206	0.188	-6.406	1.5E-10	1.4138E-09	Entpd5
ENSMUSG00000117662	89.097	-1.206	0.319	-3.782	1.6E-04	0.00071761	Gm4013
ENSMUSG00000025262	91.319	-1.207	0.502	-2.405	1.6E-02	0.04771826	Fam120c
ENSMUSG00000057134	3484.656	-1.207	0.116	-10.366	3.5E-25	8.1587E-24	Ado
ENSMUSG00000010751	354.958	-1.209	0.177	-6.831	8.4E-12	8.783E-11	Tnfrsf22
ENSMUSG00000018659	789.475	-1.210	0.183	-6.596	4.2E-11	4.1863E-10	Pnpo
ENSMUSG00000001227	348.193	-1.210	0.237	-5.113	3.2E-07	2.1216E-06	Sema6b
ENSMUSG00000082286	467.019	-1.210	0.197	-6.150	7.8E-10	6.9018E-09	Pisd-ps1
ENSMUSG00000033706	1592.475	-1.211	0.167	-7.234	4.7E-13	5.4405E-12	Smyd5
ENSMUSG00000033777	6407.338	-1.212	0.120	-10.122	4.4E-24	9.7593E-23	Tlr13
ENSMUSG00000024011	174.444	-1.213	0.323	-3.755	1.7E-04	0.0007932	Pi16

ENSMUSG00000025736	151.154	-1.213	0.242	-5.020	5.2E-07	3.3547E-06	Jmjd8
ENSMUSG00000050382	83.747	-1.213	0.482	-2.520	1.2E-02	0.03605121	Kif7
ENSMUSG00000074825	2950.174	-1.214	0.144	-8.422	3.7E-17	5.6343E-16	Itpril1
ENSMUSG00000086725	95.868	-1.215	0.425	-2.859	4.3E-03	0.01475915	A630052C17Rik
ENSMUSG00000044145	92.874	-1.215	0.309	-3.932	8.4E-05	0.0004056	1810024B03Rik
ENSMUSG00000031808	5130.339	-1.217	0.145	-8.373	5.6E-17	8.4891E-16	Slc27a1
ENSMUSG00000037772	607.657	-1.218	0.192	-6.328	2.5E-10	2.3076E-09	Mrpl23
ENSMUSG00000070371	94.938	-1.218	0.368	-3.310	9.3E-04	0.00372483	Prss36
ENSMUSG00000029338	2499.846	-1.219	0.120	-10.153	3.2E-24	7.1153E-23	Antxr2
ENSMUSG00000001020	255.655	-1.220	0.211	-5.793	6.9E-09	5.5833E-08	S100a4
ENSMUSG00000019080	431.161	-1.221	0.281	-4.351	1.4E-05	7.3589E-05	Mfsd3
ENSMUSG00000066442	313.401	-1.222	0.184	-6.626	3.4E-11	3.423E-10	Mthfs
ENSMUSG00000025473	37938.987	-1.223	0.119	-10.292	7.7E-25	1.7414E-23	Adam8
ENSMUSG00000054008	1287.465	-1.223	0.197	-6.213	5.2E-10	4.671E-09	Ndst1
ENSMUSG00000006611	2940.959	-1.224	0.160	-7.650	2.0E-14	2.559E-13	Hfe
ENSMUSG000000113010	232.740	-1.225	0.243	-5.033	4.8E-07	3.1572E-06	Gm34084
ENSMUSG00000029098	1835.543	-1.225	0.138	-8.851	8.7E-19	1.4717E-17	Acox3
ENSMUSG00000023393	362.186	-1.225	0.283	-4.334	1.5E-05	7.8954E-05	Slc17a9
ENSMUSG00000006589	10565.541	-1.226	0.088	-13.967	2.5E-44	1.1507E-42	Aprt
ENSMUSG00000078570	235.843	-1.226	0.236	-5.198	2.0E-07	1.3825E-06	1110065P20Rik
ENSMUSG00000069755	108.858	-1.227	0.304	-4.037	5.4E-05	0.00026876	Zfp125
ENSMUSG00000087679	4823.431	-1.229	0.120	-10.231	1.4E-24	3.2454E-23	Tmem250-ps
ENSMUSG00000025190	3073.544	-1.229	0.104	-11.777	5.1E-32	1.5691E-30	Got1
ENSMUSG00000024570	1291.375	-1.229	0.154	-7.979	1.5E-15	2.0124E-14	Rbfa
ENSMUSG00000045316	218.997	-1.231	0.402	-3.062	2.2E-03	0.00816392	Fahd1
ENSMUSG00000096188	346.587	-1.231	0.289	-4.259	2.1E-05	0.00010818	Cmtm4
ENSMUSG00000008822	322.120	-1.231	0.227	-5.418	6.0E-08	4.4233E-07	Acyp1
ENSMUSG00000042505	195.041	-1.232	0.224	-5.500	3.8E-08	2.8456E-07	Sdhaf3
ENSMUSG00000026170	723.032	-1.233	0.183	-6.722	1.8E-11	1.8212E-10	Cyp27a1
ENSMUSG00000001095	72.160	-1.233	0.514	-2.401	1.6E-02	0.04826833	Slc13a2
ENSMUSG00000064284	865.260	-1.233	0.148	-8.341	7.4E-17	1.1055E-15	Cdpfl
ENSMUSG00000040151	1466.823	-1.234	0.161	-7.652	2.0E-14	2.5214E-13	Hs2st1
ENSMUSG00000038046	524.879	-1.235	0.167	-7.386	1.5E-13	1.8279E-12	Mrm3
ENSMUSG00000026017	249.881	-1.236	0.292	-4.234	2.3E-05	0.00012046	Carf
ENSMUSG00000025037	184.636	-1.236	0.407	-3.038	2.4E-03	0.00875019	Maoa
ENSMUSG00000022947	996.962	-1.238	0.193	-6.400	1.6E-10	1.4737E-09	Cbr3
ENSMUSG00000053580	562.802	-1.238	0.218	-5.673	1.4E-08	1.105E-07	Tanc2
ENSMUSG00000001999	5604.838	-1.239	0.114	-10.902	1.1E-27	2.8793E-26	Blvra
ENSMUSG000000103822	34.745	-1.239	0.487	-2.547	1.1E-02	0.03368844	6030460B20Rik
ENSMUSG00000033068	1041.631	-1.240	0.158	-7.849	4.2E-15	5.5655E-14	Entpd6
ENSMUSG00000039345	380.904	-1.241	0.255	-4.868	1.1E-06	7.0652E-06	Mettl22
ENSMUSG00000000823	363.592	-1.241	0.225	-5.526	3.3E-08	2.4777E-07	Zfp512b
ENSMUSG00000068747	1287.758	-1.241	0.241	-5.152	2.6E-07	1.7478E-06	Sort1
ENSMUSG00000021253	587.315	-1.242	0.203	-6.121	9.3E-10	8.1859E-09	Tgfb3
ENSMUSG00000022546	157.823	-1.242	0.413	-3.006	2.6E-03	0.00964051	Gpt
ENSMUSG00000035443	2294.735	-1.244	0.087	-14.289	2.6E-46	1.2607E-44	Thyn1
ENSMUSG00000073792	309.905	-1.244	0.248	-5.009	5.5E-07	3.5555E-06	Alg6
ENSMUSG00000020988	141.593	-1.244	0.475	-2.618	8.9E-03	0.02814945	L2hgdh
ENSMUSG00000045382	299.418	-1.244	0.218	-5.703	1.2E-08	9.3347E-08	Cxcr4
ENSMUSG00000043252	421.185	-1.245	0.221	-5.626	1.8E-08	1.4307E-07	Tmem64
ENSMUSG00000030431	312.145	-1.245	0.255	-4.886	1.0E-06	6.4827E-06	Tmem238
ENSMUSG00000002365	4553.660	-1.245	0.089	-14.067	6.1E-45	2.899E-43	Snx9

ENSMUSG00000033735	1464.785	-1.246	0.135	-9.226	2.8E-20	5.127E-19	Spr
ENSMUSG00000040907	3349.494	-1.246	0.128	-9.718	2.5E-22	5.1504E-21	Atp1a3
ENSMUSG00000030541	3452.556	-1.246	0.098	-12.740	3.6E-37	1.3214E-35	Idh2
ENSMUSG00000006219	5839.843	-1.247	0.111	-11.258	2.1E-29	5.8069E-28	Fblim1
ENSMUSG00000034659	5106.267	-1.248	0.091	-13.725	7.2E-43	3.2131E-41	Tmem109
ENSMUSG00000083097	32.180	-1.248	0.418	-2.986	2.8E-03	0.01023439	Gm14494
ENSMUSG00000025421	63.491	-1.249	0.354	-3.524	4.3E-04	0.00180933	Hdhd2
ENSMUSG00000021549	3480.995	-1.249	0.139	-8.987	2.5E-19	4.4499E-18	Rasa1
ENSMUSG00000031617	1262.083	-1.249	0.199	-6.266	3.7E-10	3.3981E-09	Tmem184c
ENSMUSG00000031788	243.347	-1.250	0.310	-4.037	5.4E-05	0.00026876	Kifc3
ENSMUSG00000027488	1236.516	-1.251	0.149	-8.379	5.3E-17	8.0856E-16	Snta1
ENSMUSG00000017740	66.012	-1.251	0.517	-2.419	1.6E-02	0.04617878	Slc12a5
ENSMUSG00000033530	137.458	-1.253	0.414	-3.026	2.5E-03	0.00906905	Ttc7b
ENSMUSG00000026409	133.560	-1.254	0.325	-3.865	1.1E-04	0.00052362	Pfkfb2
ENSMUSG00000114931	35.408	-1.255	0.433	-2.897	3.8E-03	0.01322066	Gm32256
ENSMUSG00000026126	1728.695	-1.255	0.100	-12.514	6.3E-36	2.2211E-34	Ptpn18
ENSMUSG00000115039	45.180	-1.255	0.360	-3.489	4.8E-04	0.00203666	Gm7043
ENSMUSG00000026469	998.453	-1.256	0.134	-9.351	8.7E-21	1.6301E-19	Xpr1
ENSMUSG00000021023	322.310	-1.256	0.227	-5.533	3.1E-08	2.3792E-07	Prorp
ENSMUSG00000029312	237.516	-1.259	0.309	-4.080	4.5E-05	0.0002261	Klh18
ENSMUSG00000078700	335.241	-1.260	0.248	-5.086	3.7E-07	2.4346E-06	D030028A08Rik
ENSMUSG00000045414	658.296	-1.260	0.442	-2.850	4.4E-03	0.0151394	Dipk2a
ENSMUSG00000041684	248.094	-1.260	0.279	-4.525	6.0E-06	3.4506E-05	Bivm
ENSMUSG00000095098	859.788	-1.260	0.188	-6.715	1.9E-11	1.903E-10	Ccdc85b
ENSMUSG00000113430	54.316	-1.261	0.362	-3.484	4.9E-04	0.00207434	Gm47086
ENSMUSG00000024395	114.091	-1.262	0.427	-2.955	3.1E-03	0.01120026	Lims2
ENSMUSG00000059479	1602.328	-1.262	0.184	-6.865	6.6E-12	6.9842E-11	B3gnt8
ENSMUSG00000034807	6120.587	-1.263	0.101	-12.510	6.5E-36	2.3139E-34	Colgalt1
ENSMUSG00000025195	288.626	-1.263	0.306	-4.133	3.6E-05	0.00018196	Dnmbp
ENSMUSG00000029475	1177.289	-1.266	0.133	-9.531	1.6E-21	3.0653E-20	Kdm2b
ENSMUSG00000029570	1616.690	-1.267	0.136	-9.341	9.5E-21	1.7876E-19	Lfng
ENSMUSG00000044345	135.469	-1.267	0.405	-3.129	1.8E-03	0.00662982	Marveld1
ENSMUSG00000082895	23.078	-1.268	0.517	-2.455	1.4E-02	0.04234426	Rpsa-ps9
ENSMUSG00000031217	856.469	-1.269	0.206	-6.166	7.0E-10	6.2377E-09	Efnb1
ENSMUSG00000060166	843.868	-1.269	0.203	-6.248	4.2E-10	3.7855E-09	Zdhhc8
ENSMUSG00000024132	1537.877	-1.270	0.116	-10.947	6.9E-28	1.7759E-26	Eci1
ENSMUSG00000015944	997.388	-1.270	0.221	-5.751	8.9E-09	7.1073E-08	Castor2
ENSMUSG00000028461	1132.214	-1.271	0.120	-10.613	2.6E-26	6.2713E-25	Ccdc107
ENSMUSG00000020812	146.049	-1.272	0.340	-3.746	1.8E-04	0.00081942	Snhg16
ENSMUSG00000032513	1093.472	-1.274	0.135	-9.428	4.2E-21	8.0352E-20	Gorasp1
ENSMUSG00000040557	176.279	-1.274	0.400	-3.183	1.5E-03	0.00561341	Mettl27
ENSMUSG00000037643	931.238	-1.275	0.159	-8.008	1.2E-15	1.6058E-14	Prkci
ENSMUSG00000029521	582.075	-1.275	0.268	-4.760	1.9E-06	1.1762E-05	Chek2
ENSMUSG00000021306	2376.212	-1.276	0.159	-8.006	1.2E-15	1.6376E-14	Gpr137b
ENSMUSG00000101225	87.465	-1.277	0.320	-3.992	6.6E-05	0.00032134	1700008J07Rik
ENSMUSG00000103906	246.501	-1.277	0.384	-3.323	8.9E-04	0.00355598	Tigd5
ENSMUSG00000035640	238.792	-1.277	0.341	-3.750	1.8E-04	0.00080797	Cbarp
ENSMUSG00000030714	554.536	-1.279	0.187	-6.833	8.3E-12	8.6983E-11	Sgf29
ENSMUSG00000037251	884.010	-1.280	0.150	-8.505	1.8E-17	2.8316E-16	Pomk
ENSMUSG00000054027	257.632	-1.280	0.225	-5.700	1.2E-08	9.4894E-08	Nt5dc3
ENSMUSG00000042286	12617.735	-1.281	0.143	-8.945	3.7E-19	6.4496E-18	Stab1
ENSMUSG00000031925	979.282	-1.282	0.187	-6.838	8.0E-12	8.4141E-11	Maml2

ENSMUSG00000036103	1656.872	-1.283	0.182	-7.038	2.0E-12	2.1528E-11	Colec12
ENSMUSG00000025932	197.110	-1.283	0.460	-2.791	5.2E-03	0.01783393	Eya1
ENSMUSG00000049882	749.291	-1.283	0.147	-8.703	3.2E-18	5.2737E-17	Vcpkmt
ENSMUSG00000025436	348.750	-1.284	0.280	-4.584	4.6E-06	2.6459E-05	Atp23
ENSMUSG00000028973	1160.678	-1.284	0.211	-6.090	1.1E-09	9.9165E-09	Abcb8
ENSMUSG00000041126	2525.689	-1.284	0.127	-10.075	7.2E-24	1.5674E-22	H2az2
ENSMUSG00000062866	1124.451	-1.285	0.183	-7.008	2.4E-12	2.658E-11	Phactr2
ENSMUSG00000038545	190.238	-1.286	0.396	-3.243	1.2E-03	0.00463038	Cul7
ENSMUSG00000097145	146.299	-1.286	0.312	-4.123	3.7E-05	0.00018951	9230114K14Rik
ENSMUSG00000046806	188.098	-1.287	0.312	-4.129	3.6E-05	0.0001848	Cyren
ENSMUSG00000101856	202.567	-1.287	0.287	-4.482	7.4E-06	4.1859E-05	1700096K18Rik
ENSMUSG00000039914	876.909	-1.288	0.136	-9.483	2.5E-21	4.7944E-20	Coq10a
ENSMUSG00000025534	11246.847	-1.289	0.065	-19.842	1.3E-87	1.8276E-85	Gusb
ENSMUSG00000061536	324.650	-1.289	0.299	-4.307	1.7E-05	8.8495E-05	Sec22c
ENSMUSG00000002803	348.708	-1.289	0.285	-4.518	6.2E-06	3.5571E-05	Btbd6
ENSMUSG00000027111	4593.789	-1.290	0.167	-7.731	1.1E-14	1.3735E-13	Itga6
ENSMUSG00000025511	4783.961	-1.290	0.092	-14.053	7.4E-45	3.5116E-43	Tspan4
ENSMUSG00000032782	158.872	-1.290	0.295	-4.376	1.2E-05	6.6136E-05	Cntrob
ENSMUSG00000005583	2482.033	-1.291	0.162	-7.990	1.4E-15	1.8578E-14	Mef2c
ENSMUSG00000030505	1958.049	-1.292	0.151	-8.553	1.2E-17	1.8986E-16	Prmt3
ENSMUSG00000032228	1630.596	-1.293	0.140	-9.231	2.7E-20	4.9063E-19	Tcf12
ENSMUSG00000021286	1000.743	-1.293	0.223	-5.806	6.4E-09	5.2191E-08	Zfyve21
ENSMUSG00000095362	105.557	-1.295	0.278	-4.658	3.2E-06	1.8983E-05	Gm14325
ENSMUSG00000017466	10164.897	-1.295	0.115	-11.259	2.1E-29	5.7907E-28	Timp2
ENSMUSG00000080875	31.141	-1.300	0.529	-2.457	1.4E-02	0.04207852	Gm7332
ENSMUSG00000040390	497.217	-1.302	0.223	-5.840	5.2E-09	4.298E-08	Map3k10
ENSMUSG00000028121	1134.723	-1.302	0.219	-5.957	2.6E-09	2.1705E-08	Bcar3
ENSMUSG00000048644	79.618	-1.303	0.495	-2.634	8.4E-03	0.02699744	Ctxn1
ENSMUSG00000057329	832.400	-1.303	0.222	-5.866	4.5E-09	3.7004E-08	Bcl2
ENSMUSG00000020399	732.069	-1.304	0.280	-4.649	3.3E-06	1.9709E-05	Havcr2
ENSMUSG00000086859	569.373	-1.305	0.150	-8.675	4.1E-18	6.7296E-17	Snhg20
ENSMUSG00000018427	265.027	-1.305	0.352	-3.710	2.1E-04	0.00093243	Ypel2
ENSMUSG00000061838	534.303	-1.305	0.198	-6.608	3.9E-11	3.8584E-10	Suclg2
ENSMUSG00000023044	600.630	-1.306	0.255	-5.118	3.1E-07	2.0677E-06	Csad
ENSMUSG00000060147	7542.835	-1.308	0.087	-14.966	1.2E-50	6.892E-49	Serpib6a
ENSMUSG00000049130	57691.485	-1.308	0.113	-11.592	4.5E-31	1.3277E-29	C5ar1
ENSMUSG00000031668	389.112	-1.308	0.347	-3.768	1.6E-04	0.00075687	Eif2ak3
ENSMUSG00000025050	350.348	-1.309	0.258	-5.065	4.1E-07	2.6873E-06	Pcgf6
ENSMUSG00000032377	86.459	-1.312	0.526	-2.496	1.3E-02	0.03823023	Plscr4
ENSMUSG00000024507	3366.178	-1.313	0.123	-10.685	1.2E-26	2.9166E-25	Hsd17b4
ENSMUSG00000097715	4563.800	-1.313	0.115	-11.454	2.3E-30	6.4771E-29	Gpr137b-ps
ENSMUSG00000089774	604.057	-1.313	0.246	-5.329	9.9E-08	7.0414E-07	Slc5a3
ENSMUSG00000040710	1293.020	-1.315	0.179	-7.337	2.2E-13	2.6086E-12	St8sia4
ENSMUSG00000079003	137.419	-1.316	0.344	-3.825	1.3E-04	0.00061134	Samd1
ENSMUSG00000020648	88.948	-1.316	0.395	-3.336	8.5E-04	0.00341745	Dus41
ENSMUSG00000041570	415.195	-1.318	0.206	-6.388	1.7E-10	1.5872E-09	Camsap2
ENSMUSG00000045757	237.423	-1.319	0.308	-4.279	1.9E-05	9.9847E-05	Zfp764
ENSMUSG00000023805	616.507	-1.319	0.218	-6.062	1.3E-09	1.17E-08	Synj2
ENSMUSG00000090100	68.388	-1.320	0.456	-2.896	3.8E-03	0.01327573	Ttbk2
ENSMUSG00000000326	5550.533	-1.321	0.085	-15.548	1.7E-54	1.0346E-52	Comt
ENSMUSG00000009566	488.968	-1.321	0.182	-7.248	4.2E-13	4.9214E-12	Fpgs
ENSMUSG00000091337	2273.570	-1.321	0.126	-10.517	7.2E-26	1.6971E-24	Eid1

ENSMUSG00000018809	367.151	-1.323	0.257	-5.154	2.6E-07	1.7341E-06	Smyd4
ENSMUSG00000025375	539.087	-1.325	0.335	-3.958	7.6E-05	0.00036611	Aatk
ENSMUSG00000042745	5825.583	-1.325	0.127	-10.442	1.6E-25	3.6953E-24	Id1
ENSMUSG00000033429	1333.576	-1.327	0.151	-8.811	1.2E-18	2.0782E-17	Mcee
ENSMUSG00000028019	687.223	-1.327	0.207	-6.395	1.6E-10	1.5222E-09	Pdgc
ENSMUSG00000072115	135.373	-1.327	0.295	-4.500	6.8E-06	3.8508E-05	Ang
ENSMUSG00000033697	571.576	-1.328	0.221	-6.022	1.7E-09	1.4818E-08	Arhgap39
ENSMUSG00000109771	34.751	-1.329	0.554	-2.397	1.7E-02	0.04865466	Gm35315
ENSMUSG00000040139	690.800	-1.329	0.168	-7.918	2.4E-15	3.2599E-14	9430038I01Rik
ENSMUSG00000117310	56.274	-1.330	0.443	-3.004	2.7E-03	0.00969468	Ptp4a1
ENSMUSG00000052557	751.791	-1.332	0.187	-7.110	1.2E-12	1.2989E-11	Gan
ENSMUSG00000004748	93.755	-1.333	0.431	-3.090	2.0E-03	0.00748573	Mtfp1
ENSMUSG00000110062	57.854	-1.333	0.461	-2.890	3.9E-03	0.0134937	B430319F04Rik
ENSMUSG00000053553	1101.764	-1.333	0.201	-6.628	3.4E-11	3.3906E-10	3110082I17Rik
ENSMUSG00000004347	92.439	-1.335	0.280	-4.771	1.8E-06	1.1197E-05	Pdelc
ENSMUSG00000040563	168.347	-1.337	0.433	-3.088	2.0E-03	0.00752013	Plppr2
ENSMUSG00000076435	92.552	-1.338	0.398	-3.358	7.8E-04	0.00317101	Acsf2
ENSMUSG00000026492	292.132	-1.339	0.220	-6.079	1.2E-09	1.0546E-08	Tfb2m
ENSMUSG00000034557	101.730	-1.339	0.395	-3.386	7.1E-04	0.00289151	Zfyve9
ENSMUSG00000078317	944.394	-1.339	0.201	-6.670	2.5E-11	2.5602E-10	F8a
ENSMUSG00000032403	166.771	-1.340	0.214	-6.260	3.8E-10	3.5246E-09	2300009A05Rik
ENSMUSG00000041607	1267.539	-1.341	0.111	-12.125	7.8E-34	2.5613E-32	Mbp
ENSMUSG00000015854	9020.575	-1.341	0.114	-11.772	5.4E-32	1.6541E-30	Cd5l
ENSMUSG00000070858	528.936	-1.342	0.201	-6.685	2.3E-11	2.3367E-10	Gm1673
ENSMUSG00000038618	182.202	-1.343	0.410	-3.277	1.0E-03	0.00414022	Rassf7
ENSMUSG00000010051	349.167	-1.345	0.210	-6.395	1.6E-10	1.5223E-09	Hyal1
ENSMUSG00000002329	1097.008	-1.345	0.162	-8.286	1.2E-16	1.7317E-15	Mdp1
ENSMUSG00000032598	1149.338	-1.346	0.191	-7.046	1.8E-12	2.036E-11	Nckipsd
ENSMUSG00000032601	1781.201	-1.349	0.135	-9.961	2.2E-23	4.8293E-22	Prkar2a
ENSMUSG00000020650	2603.368	-1.351	0.120	-11.217	3.4E-29	9.237E-28	Bcap29
ENSMUSG00000022526	360.615	-1.355	0.305	-4.443	8.9E-06	4.9626E-05	Zfp251
ENSMUSG00000100975	1950.686	-1.355	0.166	-8.146	3.8E-16	5.3735E-15	Gm28875
ENSMUSG00000054364	4137.274	-1.356	0.134	-10.152	3.3E-24	7.2231E-23	Rhob
ENSMUSG00000061273	840.212	-1.359	0.200	-6.784	1.2E-11	1.202E-10	Mmgt1
ENSMUSG00000037341	349.830	-1.359	0.272	-4.988	6.1E-07	3.9401E-06	Slc9a7
ENSMUSG00000007570	827.611	-1.360	0.174	-7.800	6.2E-15	8.0952E-14	Fance
ENSMUSG00000066026	22994.025	-1.360	0.102	-13.288	2.7E-40	1.1253E-38	Dhrs3
ENSMUSG00000037003	168.826	-1.361	0.429	-3.172	1.5E-03	0.00580405	Tns2
ENSMUSG00000025766	187.646	-1.362	0.318	-4.278	1.9E-05	0.0001001	D3Erd751e
ENSMUSG00000029560	4465.923	-1.363	0.123	-11.097	1.3E-28	3.4597E-27	Snx8
ENSMUSG00000063652	148.768	-1.363	0.361	-3.775	1.6E-04	0.00073498	Slc22a21
ENSMUSG00000037316	485.739	-1.363	0.208	-6.542	6.1E-11	5.9095E-10	Bag4
ENSMUSG00000028063	23025.457	-1.365	0.094	-14.557	5.3E-48	2.7261E-46	Lmna
ENSMUSG00000059708	122.977	-1.365	0.417	-3.276	1.1E-03	0.00416423	Akap17b
ENSMUSG00000001552	1317.145	-1.365	0.186	-7.348	2.0E-13	2.4142E-12	Jup
ENSMUSG00000087523	20.217	-1.366	0.560	-2.441	1.5E-02	0.0437167	Gm12319
ENSMUSG00000029844	50.244	-1.367	0.545	-2.507	1.2E-02	0.03723768	Hoxa1
ENSMUSG00000048706	300.335	-1.369	0.379	-3.615	3.0E-04	0.00131399	Lurap11
ENSMUSG00000028370	179.153	-1.370	0.439	-3.119	1.8E-03	0.00683768	Pappa
ENSMUSG00000027663	1219.227	-1.371	0.142	-9.624	6.4E-22	1.2682E-20	Zmat3
ENSMUSG00000035642	373.481	-1.372	0.226	-6.075	1.2E-09	1.0792E-08	Aamdc
ENSMUSG00000048120	3477.293	-1.373	0.161	-8.537	1.4E-17	2.1717E-16	Entpd1

ENSMUSG00000062519	319.806	-1.374	0.332	-4.134	3.6E-05	0.00018098	Zfp398
ENSMUSG00000018474	753.907	-1.375	0.238	-5.783	7.3E-09	5.9294E-08	Chd3
ENSMUSG00000028988	1244.419	-1.375	0.138	-9.954	2.4E-23	5.1745E-22	Ctnnbip1
ENSMUSG00000060376	191.560	-1.375	0.263	-5.228	1.7E-07	1.1882E-06	Bckdha
ENSMUSG00000072774	139.322	-1.375	0.422	-3.259	1.1E-03	0.00439526	Zfp951
ENSMUSG00000044629	304.284	-1.376	0.312	-4.415	1.0E-05	5.5819E-05	Cnrip1
ENSMUSG00000041220	207.038	-1.377	0.325	-4.243	2.2E-05	0.00011591	Elov16
ENSMUSG00000002393	963.061	-1.379	0.182	-7.563	3.9E-14	4.9123E-13	Nr2f6
ENSMUSG00000042500	396.947	-1.379	0.218	-6.321	2.6E-10	2.4119E-09	Ago4
ENSMUSG00000021928	665.985	-1.379	0.162	-8.536	1.4E-17	2.1905E-16	Ebp1
ENSMUSG00000004996	1232.363	-1.380	0.170	-8.096	5.7E-16	7.9947E-15	Mri1
ENSMUSG00000001761	402.417	-1.382	0.250	-5.532	3.2E-08	2.3876E-07	Smo
ENSMUSG00000097174	87.246	-1.386	0.441	-3.139	1.7E-03	0.00642695	Gm4890
ENSMUSG00000048720	317.750	-1.388	0.254	-5.466	4.6E-08	3.417E-07	Tbc1d12
ENSMUSG00000018405	695.946	-1.390	0.154	-9.052	1.4E-19	2.4797E-18	Mrm1
ENSMUSG00000106847	326.100	-1.390	0.318	-4.372	1.2E-05	6.7103E-05	Peg13
ENSMUSG00000074785	1162.788	-1.391	0.314	-4.424	9.7E-06	5.3833E-05	Plxnc1
ENSMUSG00000070873	78.063	-1.393	0.534	-2.609	9.1E-03	0.02873104	Lilra5
ENSMUSG00000062980	145.168	-1.394	0.289	-4.827	1.4E-06	8.5832E-06	Cped1
ENSMUSG00000024158	2089.920	-1.394	0.119	-11.755	6.6E-32	2.0086E-30	Hagh
ENSMUSG00000104704	52.639	-1.394	0.452	-3.086	2.0E-03	0.00756896	Gm43133
ENSMUSG00000055067	342.446	-1.396	0.264	-5.277	1.3E-07	9.238E-07	Smyd3
ENSMUSG00000030557	5338.536	-1.397	0.118	-11.841	2.4E-32	7.5156E-31	Mef2a
ENSMUSG00000020829	440.867	-1.398	0.354	-3.946	7.9E-05	0.00038355	Slc46a1
ENSMUSG00000016503	360.918	-1.401	0.208	-6.741	1.6E-11	1.5996E-10	Gtf3a
ENSMUSG00000014329	311.063	-1.406	0.231	-6.080	1.2E-09	1.0496E-08	Bicc1
ENSMUSG00000040713	70181.604	-1.408	0.077	-18.248	2.2E-74	2.246E-72	Creg1
ENSMUSG00000039568	4949.393	-1.408	0.093	-15.192	4.0E-52	2.3208E-50	Ubald1
ENSMUSG00000060261	2230.075	-1.410	0.150	-9.384	6.3E-21	1.2006E-19	Gtf2i
ENSMUSG00000049536	78.180	-1.410	0.489	-2.882	4.0E-03	0.01380824	Tceal1
ENSMUSG00000041949	253.294	-1.411	0.252	-5.597	2.2E-08	1.6747E-07	Tango6
ENSMUSG00000044066	631.534	-1.412	0.216	-6.549	5.8E-11	5.6459E-10	Cep68
ENSMUSG00000002346	97.281	-1.413	0.513	-2.757	5.8E-03	0.01952376	Slc25a42
ENSMUSG00000037999	233.373	-1.414	0.230	-6.150	7.7E-10	6.8797E-09	Arap2
ENSMUSG00000062861	235.975	-1.415	0.322	-4.398	1.1E-05	6.0281E-05	Zfp28
ENSMUSG00000056209	129.953	-1.418	0.276	-5.127	2.9E-07	1.98E-06	Npm3
ENSMUSG00000060950	1388.250	-1.419	0.177	-8.039	9.1E-16	1.2625E-14	Trmt61a
ENSMUSG00000074166	131.920	-1.421	0.356	-3.987	6.7E-05	0.00032763	AW146154
ENSMUSG00000018740	145.316	-1.423	0.355	-4.003	6.3E-05	0.00030769	Slc25a35
ENSMUSG00000026932	884.137	-1.424	0.205	-6.952	3.6E-12	3.8883E-11	Nacc2
ENSMUSG00000054612	792.266	-1.424	0.140	-10.155	3.1E-24	6.9836E-23	Mgmt
ENSMUSG00000055296	639.256	-1.424	0.194	-7.330	2.3E-13	2.7445E-12	Tmem245
ENSMUSG00000073176	77.650	-1.426	0.581	-2.454	1.4E-02	0.04236527	Zfp449
ENSMUSG00000050627	864.426	-1.426	0.178	-8.008	1.2E-15	1.6154E-14	Gpd11
ENSMUSG00000002319	749.627	-1.426	0.161	-8.856	8.3E-19	1.408E-17	Ipo4
ENSMUSG00000056666	949.886	-1.427	0.153	-9.319	1.2E-20	2.2003E-19	Retsat
ENSMUSG00000110945	102.710	-1.431	0.395	-3.621	2.9E-04	0.00128826	Gm9856
ENSMUSG00000044811	8286.260	-1.432	0.097	-14.736	3.8E-49	2.0562E-47	Cd300c2
ENSMUSG00000062981	3386.470	-1.436	0.121	-11.906	1.1E-32	3.4821E-31	Mrp142
ENSMUSG00000052609	637.038	-1.439	0.214	-6.710	1.9E-11	1.9751E-10	Plekhg3
ENSMUSG00000030522	768.520	-1.440	0.199	-7.247	4.3E-13	4.9475E-12	Mtmr10
ENSMUSG00000028463	251.224	-1.441	0.279	-5.170	2.3E-07	1.5999E-06	Car9

ENSMUSG00000021646	378.329	-1.441	0.258	-5.580	2.4E-08	1.8452E-07	Mccc2
ENSMUSG00000024187	5510.531	-1.443	0.110	-13.157	1.6E-39	6.2556E-38	Fam234a
ENSMUSG00000083796	21.846	-1.443	0.597	-2.418	1.6E-02	0.04622595	Gm13369
ENSMUSG00000021250	8284.366	-1.444	0.133	-10.864	1.7E-27	4.3261E-26	Fos
ENSMUSG00000034593	3533.553	-1.444	0.104	-13.882	8.1E-44	3.7278E-42	Myo5a
ENSMUSG00000035246	78.572	-1.445	0.597	-2.421	1.5E-02	0.04590194	Peyt1b
ENSMUSG00000021376	119.730	-1.445	0.339	-4.260	2.0E-05	0.00010787	Tpmt
ENSMUSG00000009090	5841.365	-1.445	0.144	-10.070	7.5E-24	1.6425E-22	Ap1b1
ENSMUSG00000097787	47.564	-1.445	0.551	-2.623	8.7E-03	0.02773255	2700046G09Rik
ENSMUSG00000051319	689.477	-1.446	0.163	-8.872	7.2E-19	1.2189E-17	Mtln
ENSMUSG00000042684	931.287	-1.447	0.240	-6.018	1.8E-09	1.5183E-08	Npl
ENSMUSG00000043510	654.698	-1.448	0.160	-9.024	1.8E-19	3.2078E-18	Hscb
ENSMUSG00000032558	83.671	-1.448	0.457	-3.170	1.5E-03	0.00584711	Nphp3
ENSMUSG00000042029	1941.307	-1.449	0.210	-6.905	5.0E-12	5.3428E-11	Ncapg2
ENSMUSG00000036833	2783.216	-1.450	0.115	-12.554	3.8E-36	1.3542E-34	Pnpla7
ENSMUSG00000028199	260.463	-1.450	0.284	-5.114	3.2E-07	2.114E-06	Cryz
ENSMUSG00000050947	126.843	-1.450	0.361	-4.014	6.0E-05	0.00029464	Amigo1
ENSMUSG00000038072	771.716	-1.451	0.188	-7.735	1.0E-14	1.3377E-13	Galnt11
ENSMUSG00000024891	198.081	-1.452	0.372	-3.903	9.5E-05	0.00045197	Slc29a2
ENSMUSG00000025212	4120.775	-1.453	0.101	-14.394	5.7E-47	2.8606E-45	Sfxn3
ENSMUSG00000016239	284.087	-1.462	0.281	-5.208	1.9E-07	1.3136E-06	Lonrf3
ENSMUSG00000025578	220.501	-1.463	0.409	-3.577	3.5E-04	0.00150303	Cbx8
ENSMUSG00000020009	9723.636	-1.466	0.121	-12.119	8.3E-34	2.7389E-32	Ifngr1
ENSMUSG00000032392	162.315	-1.466	0.354	-4.139	3.5E-05	0.00017752	Parp16
ENSMUSG00000049791	114.031	-1.466	0.555	-2.644	8.2E-03	0.02629894	Fzd4
ENSMUSG00000076431	1602.043	-1.470	0.137	-10.751	5.9E-27	1.4532E-25	Sox4
ENSMUSG00000042549	273.975	-1.471	0.295	-4.982	6.3E-07	4.0481E-06	Map2k3os
ENSMUSG00000044206	285.988	-1.471	0.360	-4.090	4.3E-05	0.00021738	Vsig4
ENSMUSG00000025203	739.701	-1.471	0.282	-5.214	1.8E-07	1.2785E-06	Scd2
ENSMUSG00000085433	36.906	-1.478	0.564	-2.621	8.8E-03	0.02789277	Gm16001
ENSMUSG00000085882	278.917	-1.480	0.277	-5.343	9.1E-08	6.5512E-07	2610507I01Rik
ENSMUSG00000028414	235.291	-1.480	0.255	-5.809	6.3E-09	5.1298E-08	Fktn
ENSMUSG00000060098	1345.942	-1.482	0.158	-9.409	5.0E-21	9.6019E-20	Prmt7
ENSMUSG00000062515	4571.996	-1.483	0.160	-9.295	1.5E-20	2.7507E-19	Fabp4
ENSMUSG00000042389	504.201	-1.485	0.204	-7.287	3.2E-13	3.7368E-12	Tsen2
ENSMUSG00000109251	104.014	-1.485	0.378	-3.931	8.4E-05	0.00040579	E230032D23Rik
ENSMUSG00000033458	77.389	-1.486	0.599	-2.480	1.3E-02	0.03976978	Fan1
ENSMUSG00000055013	1299.635	-1.487	0.287	-5.183	2.2E-07	1.4939E-06	Agap1
ENSMUSG00000040658	317.404	-1.488	0.238	-6.250	4.1E-10	3.7506E-09	Dnph1
ENSMUSG00000040249	42029.073	-1.488	0.101	-14.723	4.6E-49	2.4606E-47	Lrp1
ENSMUSG00000016552	291.919	-1.488	0.398	-3.737	1.9E-04	0.000845	Foxred2
ENSMUSG00000021767	448.262	-1.493	0.237	-6.307	2.8E-10	2.6354E-09	Kat6b
ENSMUSG00000101585	99.462	-1.494	0.318	-4.704	2.6E-06	1.5328E-05	1600010M07Rik
ENSMUSG00000074093	269.904	-1.495	0.261	-5.728	1.0E-08	8.1212E-08	Svip
ENSMUSG00000029735	209.137	-1.496	0.341	-4.392	1.1E-05	6.1673E-05	Tpk1
ENSMUSG00000009905	815.610	-1.498	0.124	-12.030	2.5E-33	8.0077E-32	Kdsr
ENSMUSG00000037151	369.604	-1.501	0.277	-5.412	6.2E-08	4.5557E-07	Lrrc20
ENSMUSG00000051444	88.189	-1.505	0.463	-3.247	1.2E-03	0.00458484	Bbs12
ENSMUSG00000097287	72.374	-1.505	0.483	-3.117	1.8E-03	0.00688252	D130017N08Rik
ENSMUSG00000049119	301.831	-1.506	0.319	-4.720	2.4E-06	1.4224E-05	Fam110b
ENSMUSG00000032554	46462.261	-1.507	0.124	-12.114	8.9E-34	2.9082E-32	Trf
ENSMUSG00000028565	451.714	-1.508	0.171	-8.818	1.2E-18	1.9611E-17	Nfia

ENSMUSG00000058325	849.246	-1.509	0.177	-8.541	1.3E-17	2.0944E-16	Dock1
ENSMUSG00000067629	20.084	-1.510	0.613	-2.464	1.4E-02	0.04135194	Syngap1
ENSMUSG00000010721	178.101	-1.513	0.298	-5.074	3.9E-07	2.5684E-06	Lmbr1
ENSMUSG00000041957	185.404	-1.513	0.337	-4.492	7.1E-06	4.0052E-05	Pkp2
ENSMUSG00000023147	1459.753	-1.514	0.126	-12.040	2.2E-33	7.0895E-32	Get1
ENSMUSG00000081280	17.541	-1.514	0.602	-2.516	1.2E-02	0.03637917	Gm9516
ENSMUSG00000028799	620.560	-1.515	0.209	-7.257	4.0E-13	4.6162E-12	Zfp362
ENSMUSG00000051557	989.338	-1.517	0.170	-8.939	3.9E-19	6.7929E-18	Pus11
ENSMUSG00000026496	2000.494	-1.521	0.142	-10.732	7.2E-27	1.77E-25	Parp1
ENSMUSG00000033610	207.731	-1.525	0.308	-4.951	7.4E-07	4.7249E-06	Pank1
ENSMUSG00000034157	1669.899	-1.529	0.164	-9.324	1.1E-20	2.0937E-19	Cipc
ENSMUSG00000042834	594.285	-1.530	0.209	-7.309	2.7E-13	3.2032E-12	Nrep
ENSMUSG00000045867	304.813	-1.531	0.250	-6.124	9.1E-10	8.0365E-09	Cradd
ENSMUSG00000020102	356.989	-1.532	0.213	-7.178	7.1E-13	8.066E-12	Slc16a7
ENSMUSG00000117061	23.674	-1.533	0.565	-2.714	6.7E-03	0.02196767	Gm49958
ENSMUSG00000024913	783.216	-1.533	0.192	-7.976	1.5E-15	2.0619E-14	Lrp5
ENSMUSG00000022091	599.240	-1.534	0.233	-6.586	4.5E-11	4.4407E-10	Sorbs3
ENSMUSG00000032456	446.767	-1.539	0.270	-5.703	1.2E-08	9.3491E-08	Nmnat3
ENSMUSG00000045817	7059.562	-1.539	0.104	-14.869	5.2E-50	2.8956E-48	Zfp3612
ENSMUSG00000031214	1191.631	-1.541	0.237	-6.516	7.2E-11	7.0118E-10	Ophn1
ENSMUSG00000024026	1309.792	-1.542	0.103	-14.996	7.8E-51	4.4482E-49	Glo1
ENSMUSG00000063179	364.263	-1.543	0.248	-6.220	5.0E-10	4.4786E-09	Pstk
ENSMUSG00000038740	620.739	-1.544	0.178	-8.670	4.3E-18	7.0377E-17	Mvb12b
ENSMUSG00000057541	743.579	-1.545	0.179	-8.616	6.9E-18	1.1095E-16	Pus7
ENSMUSG00000021185	1166.426	-1.546	0.226	-6.854	7.2E-12	7.5256E-11	Dglucy
ENSMUSG00000074622	15591.429	-1.548	0.132	-11.771	5.5E-32	1.6764E-30	Mafb
ENSMUSG00000028082	317.748	-1.550	0.228	-6.802	1.0E-11	1.0703E-10	Sh3d19
ENSMUSG00000113361	72.880	-1.551	0.371	-4.176	3.0E-05	0.00015256	B930059L03Rik
ENSMUSG00000022972	106.945	-1.551	0.364	-4.263	2.0E-05	0.00010637	Cfap298
ENSMUSG00000059994	692.865	-1.552	0.240	-6.459	1.1E-10	1.0082E-09	Fcrl1
ENSMUSG00000030844	3556.553	-1.553	0.127	-12.235	2.0E-34	6.8012E-33	Rgs10
ENSMUSG00000069184	114.240	-1.554	0.488	-3.181	1.5E-03	0.00563759	Zfp72
ENSMUSG00000047434	669.501	-1.554	0.178	-8.742	2.3E-18	3.7917E-17	Xxylt1
ENSMUSG00000049086	93.519	-1.554	0.338	-4.601	4.2E-06	2.4546E-05	Bmyc
ENSMUSG00000075297	34.506	-1.555	0.589	-2.639	8.3E-03	0.02664847	H60b
ENSMUSG00000003812	4278.130	-1.556	0.141	-11.057	2.0E-28	5.3563E-27	Dnase2a
ENSMUSG00000097039	486.718	-1.559	0.224	-6.945	3.8E-12	4.0759E-11	Pvt1
ENSMUSG00000003559	424.319	-1.561	0.263	-5.933	3.0E-09	2.5059E-08	As3mt
ENSMUSG00000073434	141.890	-1.562	0.481	-3.250	1.2E-03	0.00453513	Wdr90
ENSMUSG00000117444	49.460	-1.564	0.417	-3.755	1.7E-04	0.00079316	Gm50020
ENSMUSG00000020553	1366.661	-1.571	0.155	-10.166	2.8E-24	6.303E-23	Pctp
ENSMUSG00000019718	80.916	-1.573	0.502	-3.130	1.7E-03	0.00660805	L3hypdh
ENSMUSG00000035284	453.995	-1.573	0.246	-6.392	1.6E-10	1.5463E-09	Vps13c
ENSMUSG00000044408	3296.754	-1.573	0.085	-18.507	1.8E-76	1.9523E-74	Sptssa
ENSMUSG00000030117	2877.486	-1.578	0.361	-4.375	1.2E-05	6.6299E-05	Gdf3
ENSMUSG00000059401	190.386	-1.580	0.381	-4.150	3.3E-05	0.00016944	Maml1d1
ENSMUSG00000098176	334.268	-1.580	0.409	-3.865	1.1E-04	0.00052451	Ccdc166
ENSMUSG00000020629	1318.399	-1.582	0.182	-8.681	3.9E-18	6.3773E-17	Adi1
ENSMUSG00000057176	79.732	-1.583	0.445	-3.560	3.7E-04	0.00159436	Ccdc189
ENSMUSG00000015468	91.681	-1.585	0.542	-2.924	3.5E-03	0.01227293	Notch4
ENSMUSG00000084964	80.512	-1.586	0.575	-2.756	5.8E-03	0.01957277	Gm15503
ENSMUSG00000020263	1497.326	-1.588	0.139	-11.429	3.0E-30	8.5624E-29	Appl2

ENSMUSG00000020741	1904.041	-1.589	0.112	-14.139	2.2E-45	1.0459E-43	Cluh
ENSMUSG00000087362	114.437	-1.592	0.481	-3.306	9.5E-04	0.00376705	Gm13710
ENSMUSG00000086712	93.124	-1.592	0.620	-2.567	1.0E-02	0.03194183	Mexis
ENSMUSG00000053559	1464.948	-1.594	0.261	-6.102	1.0E-09	9.1975E-09	Smaggp
ENSMUSG00000030761	1616.401	-1.595	0.164	-9.737	2.1E-22	4.282E-21	Myo7a
ENSMUSG00000030872	1751.903	-1.596	0.141	-11.339	8.4E-30	2.3553E-28	Gga2
ENSMUSG00000097313	109.341	-1.597	0.392	-4.072	4.7E-05	0.00023365	Gm26569
ENSMUSG00000030725	346.469	-1.600	0.260	-6.148	7.8E-10	6.9778E-09	Lipt2
ENSMUSG00000022389	782.616	-1.603	0.225	-7.118	1.1E-12	1.2255E-11	Tef
ENSMUSG00000007613	2163.787	-1.606	0.152	-10.538	5.7E-26	1.3629E-24	Tgfb1
ENSMUSG00000028864	254.750	-1.608	0.280	-5.740	9.5E-09	7.5824E-08	Hgf
ENSMUSG00000002871	4735.336	-1.608	0.104	-15.439	8.9E-54	5.4886E-52	Tpra1
ENSMUSG00000113626	36.132	-1.611	0.557	-2.892	3.8E-03	0.01341689	Gm7240
ENSMUSG00000037709	54.474	-1.611	0.596	-2.703	6.9E-03	0.02257625	Fam13a
ENSMUSG00000097994	198.129	-1.612	0.239	-6.738	1.6E-11	1.6352E-10	Gm26982
ENSMUSG00000035891	6673.669	-1.615	0.103	-15.657	3.0E-55	1.9425E-53	Cerk
ENSMUSG00000040003	36.517	-1.615	0.640	-2.525	1.2E-02	0.03560256	Magi2
ENSMUSG00000109378	15.027	-1.621	0.608	-2.664	7.7E-03	0.02492803	Gm49396
ENSMUSG00000004798	927.827	-1.621	0.164	-9.866	5.8E-23	1.2289E-21	Ulk2
ENSMUSG00000021483	3140.840	-1.622	0.177	-9.168	4.8E-20	8.7732E-19	Cdk20
ENSMUSG00000006675	60.896	-1.623	0.557	-2.914	3.6E-03	0.01260587	P4htm
ENSMUSG00000038370	432.019	-1.626	0.296	-5.501	3.8E-08	2.8387E-07	Pcp411
ENSMUSG00000021690	261.854	-1.627	0.322	-5.054	4.3E-07	2.8338E-06	Jmy
ENSMUSG00000084918	52.274	-1.630	0.531	-3.072	2.1E-03	0.00789743	Gm12708
ENSMUSG00000031431	2773.002	-1.630	0.144	-11.344	7.9E-30	2.2179E-28	Tsc22d3
ENSMUSG00000025732	444.605	-1.630	0.217	-7.527	5.2E-14	6.4425E-13	Mcrip2
ENSMUSG00000041845	274.341	-1.631	0.242	-6.727	1.7E-11	1.7661E-10	Rhod
ENSMUSG00000028621	191.538	-1.632	0.289	-5.653	1.6E-08	1.2287E-07	Cyb5rl
ENSMUSG00000032010	507.636	-1.633	0.255	-6.404	1.5E-10	1.4369E-09	Usp2
ENSMUSG00000034487	422.156	-1.634	0.290	-5.640	1.7E-08	1.3273E-07	Poglut3
ENSMUSG00000032898	586.496	-1.635	0.257	-6.356	2.1E-10	1.9497E-09	Fbxo21
ENSMUSG00000005800	9310.370	-1.637	0.173	-9.441	3.7E-21	7.1391E-20	Mmp8
ENSMUSG00000030207	548.353	-1.637	0.170	-9.633	5.8E-22	1.1616E-20	Fam234b
ENSMUSG00000021773	213.962	-1.638	0.241	-6.792	1.1E-11	1.1395E-10	Comtd1
ENSMUSG00000038422	171.128	-1.639	0.383	-4.278	1.9E-05	0.0001001	Hdhd3
ENSMUSG00000096988	59.973	-1.641	0.648	-2.530	1.1E-02	0.03517387	A930029G22Rik
ENSMUSG00000026207	599.658	-1.641	0.220	-7.469	8.1E-14	9.9231E-13	Speg
ENSMUSG00000041975	253.896	-1.641	0.330	-4.981	6.3E-07	4.0648E-06	Mettl8
ENSMUSG00000038886	564.444	-1.644	0.275	-5.982	2.2E-09	1.8742E-08	Man2a2
ENSMUSG00000047205	88.336	-1.644	0.437	-3.766	1.7E-04	0.00076087	Dusp18
ENSMUSG00000028093	1011.753	-1.647	0.204	-8.089	6.0E-16	8.4913E-15	Acp6
ENSMUSG00000109715	211.814	-1.650	0.299	-5.526	3.3E-08	2.4788E-07	Gm45606
ENSMUSG00000024381	7390.203	-1.650	0.119	-13.895	6.8E-44	3.1328E-42	Bin1
ENSMUSG00000053617	245.382	-1.651	0.276	-5.980	2.2E-09	1.8981E-08	Sh3pxd2a
ENSMUSG00000032750	608.622	-1.654	0.283	-5.837	5.3E-09	4.3807E-08	Gab3
ENSMUSG00000004187	46.472	-1.659	0.493	-3.367	7.6E-04	0.0030827	Kifc2
ENSMUSG00000062373	3695.470	-1.659	0.120	-13.869	9.8E-44	4.4763E-42	Tmem65
ENSMUSG00000037664	107.101	-1.660	0.439	-3.783	1.6E-04	0.00071479	Cdkn1c
ENSMUSG00000114045	181.594	-1.662	0.324	-5.129	2.9E-07	1.9666E-06	Gm34220
ENSMUSG00000083679	43.102	-1.662	0.390	-4.260	2.0E-05	0.00010783	Gm12892
ENSMUSG00000041921	646.417	-1.662	0.191	-8.705	3.2E-18	5.1941E-17	Metap1d
ENSMUSG00000116995	67.797	-1.666	0.423	-3.941	8.1E-05	0.00039108	Gm21926

ENSMUSG00000106825	62.471	-1.667	0.551	-3.026	2.5E-03	0.00907224	2510016D11Rik
ENSMUSG00000055912	515.555	-1.667	0.189	-8.838	9.7E-19	1.6449E-17	Tmem150a
ENSMUSG00000069255	954.231	-1.667	0.196	-8.519	1.6E-17	2.5226E-16	Dusp22
ENSMUSG00000086657	71.472	-1.667	0.383	-4.351	1.4E-05	7.3659E-05	Stamos
ENSMUSG00000027984	1593.542	-1.671	0.118	-14.184	1.1E-45	5.5802E-44	Hadh
ENSMUSG00000070225	60.428	-1.672	0.452	-3.700	2.2E-04	0.00096871	n-R5s33
ENSMUSG00000057315	956.916	-1.672	0.208	-8.053	8.1E-16	1.1296E-14	Arhgap24
ENSMUSG00000025986	1268.682	-1.673	0.162	-10.338	4.8E-25	1.0895E-23	Slc39a10
ENSMUSG00000021476	849.608	-1.674	0.240	-6.977	3.0E-12	3.2773E-11	Habp4
ENSMUSG00000007891	220403.050	-1.675	0.102	-16.362	3.6E-60	2.6571E-58	Ctsd
ENSMUSG00000042595	267.753	-1.675	0.306	-5.478	4.3E-08	3.2007E-07	Fam199x
ENSMUSG00000024247	49.849	-1.677	0.516	-3.252	1.1E-03	0.00450702	Pkdcc
ENSMUSG00000034641	4675.841	-1.680	0.124	-13.568	6.2E-42	2.7102E-40	Cd300ld
ENSMUSG00000006395	618.758	-1.680	0.157	-10.686	1.2E-26	2.8783E-25	Hyi
ENSMUSG00000049285	419.147	-1.681	0.284	-5.914	3.3E-09	2.7991E-08	Mblac1
ENSMUSG00000055322	573.329	-1.682	0.189	-8.886	6.3E-19	1.0816E-17	Tns1
ENSMUSG00000018428	502.060	-1.682	0.238	-7.076	1.5E-12	1.6457E-11	Akap1
ENSMUSG00000032350	3644.629	-1.682	0.164	-10.245	1.2E-24	2.8277E-23	Gclc
ENSMUSG00000020377	104.392	-1.683	0.332	-5.064	4.1E-07	2.7039E-06	Ltc4s
ENSMUSG00000051331	56.128	-1.684	0.556	-3.032	2.4E-03	0.00892113	Cacna1c
ENSMUSG00000018217	8115.800	-1.685	0.120	-13.998	1.6E-44	7.5449E-43	Pmp22
ENSMUSG00000038523	56.411	-1.691	0.588	-2.876	4.0E-03	0.01405009	1700003F12Rik
ENSMUSG00000010307	6331.824	-1.693	0.150	-11.304	1.3E-29	3.4983E-28	Tmem86a
ENSMUSG00000030671	325.014	-1.694	0.305	-5.556	2.8E-08	2.1073E-07	Pde3b
ENSMUSG00000020032	163.466	-1.697	0.390	-4.353	1.3E-05	7.2929E-05	Nuak1
ENSMUSG000000114172	37.094	-1.701	0.586	-2.903	3.7E-03	0.01299408	Gm36298
ENSMUSG00000037243	353.989	-1.703	0.234	-7.288	3.1E-13	3.6983E-12	Zfp692
ENSMUSG00000032076	1305.443	-1.704	0.182	-9.338	9.8E-21	1.84E-19	Cadm1
ENSMUSG00000003518	10602.065	-1.706	0.086	-19.891	4.9E-88	6.9761E-86	Dusp3
ENSMUSG000000100280	47.265	-1.709	0.405	-4.222	2.4E-05	0.00012642	Gm28417
ENSMUSG00000037235	1385.449	-1.709	0.182	-9.409	5.0E-21	9.6019E-20	Mxd4
ENSMUSG00000027187	17803.675	-1.712	0.160	-10.705	9.6E-27	2.3536E-25	Cat
ENSMUSG00000097223	33.323	-1.717	0.595	-2.884	3.9E-03	0.01372563	Gm2449
ENSMUSG00000078861	114.610	-1.718	0.297	-5.787	7.2E-09	5.8079E-08	Zfp931
ENSMUSG00000059839	99.195	-1.718	0.326	-5.266	1.4E-07	9.8258E-07	Zfp874b
ENSMUSG00000045312	4250.021	-1.720	0.201	-8.563	1.1E-17	1.7529E-16	Lhfp12
ENSMUSG00000039485	54.449	-1.720	0.564	-3.051	2.3E-03	0.00842382	Tspyl4
ENSMUSG00000039763	88.723	-1.721	0.572	-3.007	2.6E-03	0.00962121	Dnajc28
ENSMUSG000000104351	42.106	-1.721	0.615	-2.800	5.1E-03	0.01739251	Gm37125
ENSMUSG00000025602	129.223	-1.722	0.488	-3.530	4.2E-04	0.00177044	Zfp202
ENSMUSG00000022303	271.879	-1.727	0.406	-4.251	2.1E-05	0.00011203	Destamp
ENSMUSG00000039633	206.521	-1.729	0.350	-4.941	7.8E-07	4.9517E-06	Lonrf1
ENSMUSG00000032606	281.521	-1.730	0.367	-4.707	2.5E-06	1.513E-05	Nien1
ENSMUSG00000022797	3690.078	-1.730	0.128	-13.473	2.2E-41	9.6002E-40	Tfrc
ENSMUSG00000021947	707.788	-1.731	0.206	-8.413	4.0E-17	6.0798E-16	Cry11
ENSMUSG000000114501	316.292	-1.733	0.306	-5.672	1.4E-08	1.1088E-07	Gm48582
ENSMUSG00000026687	5144.653	-1.733	0.123	-14.137	2.2E-45	1.0799E-43	Aldh9a1
ENSMUSG00000000266	32.165	-1.735	0.649	-2.675	7.5E-03	0.02424268	Mid2
ENSMUSG00000031142	120.231	-1.735	0.420	-4.135	3.6E-05	0.00018038	Cacna1f
ENSMUSG00000031903	5570.185	-1.736	0.119	-14.644	1.5E-48	7.7561E-47	Pla2g15
ENSMUSG00000046329	83.487	-1.741	0.407	-4.282	1.9E-05	9.8609E-05	Slc25a23
ENSMUSG00000092060	334.600	-1.742	0.316	-5.507	3.6E-08	2.7393E-07	Bend4

ENSMUSG00000101655	76.772	-1.745	0.464	-3.763	1.7E-04	0.00077039	2310040G24Rik
ENSMUSG00000030946	460.562	-1.745	0.254	-6.878	6.1E-12	6.4199E-11	Lhpp
ENSMUSG00000006575	74.331	-1.745	0.504	-3.466	5.3E-04	0.00220792	Rundc3a
ENSMUSG00000034800	127.408	-1.746	0.488	-3.581	3.4E-04	0.00148456	Zfp661
ENSMUSG00000072596	414.387	-1.747	0.251	-6.965	3.3E-12	3.5598E-11	Ear2
ENSMUSG00000073433	46.077	-1.749	0.642	-2.724	6.5E-03	0.02136821	Arhgdig
ENSMUSG00000021482	1322.100	-1.750	0.142	-12.289	1.0E-34	3.5292E-33	Prxl2c
ENSMUSG00000017400	62.555	-1.751	0.596	-2.938	3.3E-03	0.01178036	Stac2
ENSMUSG00000025466	171.531	-1.752	0.272	-6.431	1.3E-10	1.2081E-09	Fuom
ENSMUSG00000018995	335.164	-1.753	0.224	-7.830	4.9E-15	6.4383E-14	Nars2
ENSMUSG00000058454	1118.517	-1.753	0.154	-11.381	5.2E-30	1.472E-28	Dhcr7
ENSMUSG00000029122	59.820	-1.756	0.724	-2.427	1.5E-02	0.04534314	Evc
ENSMUSG00000042476	189.452	-1.757	0.378	-4.642	3.4E-06	2.0381E-05	Abcb4
ENSMUSG00000017493	8966.109	-1.757	0.165	-10.617	2.5E-26	5.9904E-25	Igfbp4
ENSMUSG00000044229	241.718	-1.761	0.343	-5.128	2.9E-07	1.9702E-06	Nxpe4
ENSMUSG00000039670	269.987	-1.762	0.281	-6.278	3.4E-10	3.1544E-09	Oxld1
ENSMUSG00000033249	69.828	-1.766	0.438	-4.030	5.6E-05	0.00027675	Hsf4
ENSMUSG00000024962	1210.115	-1.766	0.191	-9.236	2.6E-20	4.7095E-19	Vegfb
ENSMUSG00000013089	2267.266	-1.767	0.222	-7.953	1.8E-15	2.4675E-14	Etv5
ENSMUSG00000043157	2528.281	-1.771	0.218	-8.115	4.8E-16	6.885E-15	Arl11
ENSMUSG00000035064	451.826	-1.772	0.213	-8.312	9.4E-17	1.4006E-15	Eef2k
ENSMUSG00000060275	19.938	-1.774	0.575	-3.083	2.0E-03	0.00764133	Nrg2
ENSMUSG00000070390	77.103	-1.776	0.446	-3.983	6.8E-05	0.00033252	Nlrp1b
ENSMUSG00000032741	590.039	-1.777	0.226	-7.853	4.0E-15	5.3939E-14	Tpcn1
ENSMUSG00000023992	19681.133	-1.778	0.096	-18.606	2.9E-77	3.1818E-75	Trem2
ENSMUSG00000006378	37.607	-1.779	0.479	-3.715	2.0E-04	0.00091562	Gcat
ENSMUSG00000007379	133.245	-1.782	0.575	-3.100	1.9E-03	0.00725313	Dennd2c
ENSMUSG00000044026	131.409	-1.783	0.452	-3.946	7.9E-05	0.00038325	Slc35g1
ENSMUSG00000100826	35.632	-1.783	0.660	-2.700	6.9E-03	0.02276279	Snhg14
ENSMUSG00000031383	106.487	-1.784	0.572	-3.117	1.8E-03	0.00687833	Dusp9
ENSMUSG00000057286	40.877	-1.785	0.686	-2.601	9.3E-03	0.02933515	St6galnac2
ENSMUSG00000031367	1808.410	-1.787	0.122	-14.635	1.7E-48	8.8242E-47	Ap1s2
ENSMUSG00000006717	948.438	-1.787	0.140	-12.746	3.3E-37	1.2239E-35	Acot13
ENSMUSG00000022802	75.094	-1.787	0.718	-2.489	1.3E-02	0.03891964	Lmln
ENSMUSG00000060600	338.068	-1.788	0.269	-6.650	2.9E-11	2.9313E-10	Eno3
ENSMUSG00000019302	6311.874	-1.789	0.102	-17.513	1.1E-68	1.0799E-66	Atp6v0a1
ENSMUSG00000111080	186.250	-1.789	0.268	-6.685	2.3E-11	2.3367E-10	Gm20300
ENSMUSG00000057706	113.292	-1.790	0.459	-3.898	9.7E-05	0.0004609	Mex3b
ENSMUSG00000041625	70.507	-1.799	0.501	-3.589	3.3E-04	0.00144404	Ggact
ENSMUSG00000038967	425.365	-1.802	0.415	-4.338	1.4E-05	7.7613E-05	Pdk2
ENSMUSG00000043419	141.246	-1.802	0.496	-3.637	2.8E-04	0.00122021	Rnf227
ENSMUSG00000083677	64.670	-1.806	0.425	-4.251	2.1E-05	0.00011202	Gm11699
ENSMUSG00000042073	137.047	-1.808	0.302	-5.986	2.2E-09	1.8385E-08	Abhd14b
ENSMUSG00000022265	2052.595	-1.810	0.149	-12.172	4.4E-34	1.4532E-32	Ank
ENSMUSG00000056069	6407.981	-1.813	0.094	-19.350	2.1E-83	2.5348E-81	Otulin1
ENSMUSG00000034652	11323.722	-1.813	0.080	-22.568	8.9E-113	2.16E-110	Cd300a
ENSMUSG00000041695	180.288	-1.816	0.347	-5.239	1.6E-07	1.122E-06	Kcnj2
ENSMUSG00000026098	187.663	-1.819	0.345	-5.279	1.3E-07	9.1588E-07	Pms1
ENSMUSG00000039873	244.864	-1.824	0.272	-6.699	2.1E-11	2.1257E-10	Neurl2
ENSMUSG00000066894	74.619	-1.825	0.577	-3.160	1.6E-03	0.00601566	Vsig10
ENSMUSG00000031791	223.108	-1.826	0.307	-5.956	2.6E-09	2.1868E-08	Tmem38a
ENSMUSG00000018927	52162.599	-1.829	0.153	-11.925	8.7E-33	2.7622E-31	Ccl6

ENSMUSG00000025577	90.646	-1.836	0.507	-3.618	3.0E-04	0.0013024	Cbx2
ENSMUSG00000070323	446.052	-1.836	0.322	-5.697	1.2E-08	9.6324E-08	Mmp27
ENSMUSG00000089762	82.161	-1.840	0.509	-3.618	3.0E-04	0.00130225	Ier51
ENSMUSG00000014158	530.384	-1.841	0.339	-5.436	5.5E-08	4.0209E-07	Trpv4
ENSMUSG00000028088	253.704	-1.841	0.247	-7.452	9.2E-14	1.1244E-12	Fmo5
ENSMUSG00000045404	3532.156	-1.847	0.142	-13.015	1.0E-38	3.9701E-37	Kcnk13
ENSMUSG00000039031	1169.345	-1.847	0.227	-8.147	3.7E-16	5.3459E-15	Arhgap18
ENSMUSG00000066191	66.972	-1.850	0.684	-2.705	6.8E-03	0.022421	Anks6
ENSMUSG00000025795	1585.990	-1.852	0.169	-10.965	5.6E-28	1.4624E-26	Rassf3
ENSMUSG00000074361	715.443	-1.853	0.205	-9.031	1.7E-19	3.0077E-18	C5ar2
ENSMUSG00000030584	41.981	-1.854	0.715	-2.592	9.5E-03	0.02999984	Dpfl
ENSMUSG00000041429	193.451	-1.855	0.406	-4.564	5.0E-06	2.8886E-05	Nthl1
ENSMUSG00000022817	14075.136	-1.856	0.215	-8.613	7.1E-18	1.1398E-16	Itgb5
ENSMUSG00000061046	703.496	-1.859	0.149	-12.486	8.9E-36	3.1497E-34	Haghl
ENSMUSG00000050174	55.359	-1.860	0.406	-4.582	4.6E-06	2.6719E-05	Nudt6
ENSMUSG00000087658	149.591	-1.862	0.318	-5.851	4.9E-09	4.026E-08	Hotairm1
ENSMUSG00000054723	343.899	-1.864	0.252	-7.402	1.3E-13	1.6264E-12	Vmac
ENSMUSG00000033170	60.304	-1.865	0.635	-2.936	3.3E-03	0.01183873	Card10
ENSMUSG00000026208	114.816	-1.865	0.478	-3.904	9.5E-05	0.00045117	Des
ENSMUSG00000006641	220.613	-1.869	0.463	-4.041	5.3E-05	0.0002645	Slc5a6
ENSMUSG00000079293	9458.320	-1.874	0.110	-17.060	2.9E-65	2.5515E-63	Clec7a
ENSMUSG00000048489	54.351	-1.879	0.520	-3.612	3.0E-04	0.00132551	Depp1
ENSMUSG00000049866	6368.438	-1.880	0.155	-12.118	8.5E-34	2.7928E-32	Arl4c
ENSMUSG00000000686	223.420	-1.881	0.385	-4.886	1.0E-06	6.4728E-06	Abhd15
ENSMUSG00000048058	565.140	-1.884	0.284	-6.643	3.1E-11	3.0688E-10	Ldlrad3
ENSMUSG00000021514	254.341	-1.890	0.280	-6.747	1.5E-11	1.5367E-10	Zfp369
ENSMUSG00000103247	15.455	-1.890	0.712	-2.655	7.9E-03	0.02558741	Gm38091
ENSMUSG00000020381	29.140	-1.890	0.639	-2.956	3.1E-03	0.01116728	Mrnip
ENSMUSG00000038742	65.875	-1.890	0.506	-3.734	1.9E-04	0.00085538	Angptl6
ENSMUSG00000026458	336.545	-1.891	0.322	-5.865	4.5E-09	3.7252E-08	Ppfi4
ENSMUSG00000073427	34.643	-1.892	0.529	-3.581	3.4E-04	0.00148456	Gm4924
ENSMUSG00000045333	118.210	-1.893	0.478	-3.960	7.5E-05	0.00036373	Zfp423
ENSMUSG00000035960	339.680	-1.897	0.278	-6.835	8.2E-12	8.5755E-11	Apex1
ENSMUSG00000027544	473.164	-1.901	0.480	-3.959	7.5E-05	0.00036473	Nfatc2
ENSMUSG00000025464	606.702	-1.901	0.200	-9.516	1.8E-21	3.515E-20	Paox
ENSMUSG00000054708	261.327	-1.908	0.248	-7.681	1.6E-14	2.0172E-13	Ankrd24
ENSMUSG00000024177	758.050	-1.909	0.243	-7.860	3.8E-15	5.1154E-14	Nme4
ENSMUSG00000019876	2197.776	-1.911	0.185	-10.320	5.7E-25	1.3096E-23	Pkib
ENSMUSG00000026730	230.082	-1.911	0.367	-5.208	1.9E-07	1.3137E-06	Pter
ENSMUSG00000074213	34.663	-1.920	0.522	-3.681	2.3E-04	0.00103734	Gm10642
ENSMUSG00000086938	67.884	-1.921	0.551	-3.484	4.9E-04	0.0020706	4930481A15Rik
ENSMUSG00000034416	59.368	-1.924	0.588	-3.270	1.1E-03	0.00424341	Pkd112
ENSMUSG00000024535	1422.618	-1.926	0.179	-10.774	4.6E-27	1.1415E-25	Snx24
ENSMUSG00000030201	1811.562	-1.926	0.144	-13.367	9.4E-41	3.9642E-39	Lrp6
ENSMUSG00000029919	4536.056	-1.928	0.103	-18.703	4.7E-78	5.3065E-76	Hpgds
ENSMUSG00000021559	2129.307	-1.931	0.131	-14.762	2.6E-49	1.4079E-47	Dapk1
ENSMUSG00000030309	75.118	-1.933	0.559	-3.460	5.4E-04	0.00225223	Caprin2
ENSMUSG00000030256	2396.305	-1.935	0.157	-12.357	4.4E-35	1.5225E-33	Bhlhe41
ENSMUSG00000030259	206.721	-1.938	0.434	-4.467	7.9E-06	4.4587E-05	Rassf8
ENSMUSG00000060224	172.522	-1.939	0.429	-4.516	6.3E-06	3.5993E-05	Pyroxd2
ENSMUSG00000109675	193.625	-1.940	0.371	-5.233	1.7E-07	1.1602E-06	Nxpe1-ps
ENSMUSG00000050538	45.580	-1.943	0.434	-4.477	7.6E-06	4.2678E-05	B230217C12Rik

ENSMUSG00000097101	85.764	-1.943	0.536	-3.623	2.9E-04	0.00127813	1810034E14Rik
ENSMUSG00000031377	70.838	-1.951	0.574	-3.400	6.7E-04	0.00275772	Bmx
ENSMUSG00000010663	2200.315	-1.952	0.133	-14.627	1.9E-48	9.9448E-47	Fads1
ENSMUSG00000087259	160.366	-1.957	0.514	-3.810	1.4E-04	0.00064607	2610035D17Rik
ENSMUSG00000093622	30.076	-1.959	0.593	-3.304	9.5E-04	0.00379996	Gm20703
ENSMUSG00000035834	220.993	-1.964	0.366	-5.364	8.1E-08	5.8733E-07	Polr3g
ENSMUSG00000107000	39.022	-1.965	0.612	-3.213	1.3E-03	0.00509993	Gm43481
ENSMUSG00000039958	142.655	-1.967	0.352	-5.588	2.3E-08	1.7637E-07	Etfbkmt
ENSMUSG00000103174	105.801	-1.971	0.467	-4.220	2.4E-05	0.00012735	Gm37168
ENSMUSG00000047592	2091.662	-1.979	0.131	-15.074	2.4E-51	1.3757E-49	Nxpe5
ENSMUSG00000011148	8508.597	-1.981	0.114	-17.416	6.2E-68	5.7418E-66	Adss1l
ENSMUSG00000023031	1132.950	-1.981	0.172	-11.542	8.1E-31	2.3635E-29	Cela1
ENSMUSG00000037306	4069.461	-1.989	0.143	-13.863	1.1E-43	4.8343E-42	Man1c1
ENSMUSG00000022408	228.437	-1.991	0.441	-4.519	6.2E-06	3.5507E-05	Fam83f
ENSMUSG00000031097	114.081	-1.997	0.374	-5.334	9.6E-08	6.8538E-07	Tnni2
ENSMUSG00000000627	41.838	-2.003	0.809	-2.474	1.3E-02	0.04035678	Sema4f
ENSMUSG00000030272	6899.652	-2.006	0.093	-21.674	3.6E-104	7.052E-102	Camk1
ENSMUSG00000049723	24756.525	-2.009	0.193	-10.390	2.8E-25	6.3394E-24	Mmp12
ENSMUSG00000001270	10332.842	-2.020	0.127	-15.909	5.4E-57	3.7322E-55	Ckb
ENSMUSG00000038295	54.069	-2.021	0.665	-3.041	2.4E-03	0.00868599	Atg9b
ENSMUSG00000026360	1893.857	-2.022	0.176	-11.490	1.5E-30	4.2778E-29	Rgs2
ENSMUSG00000036611	1935.291	-2.026	0.246	-8.245	1.7E-16	2.4212E-15	Eepd1
ENSMUSG00000028944	451.350	-2.028	0.189	-10.747	6.1E-27	1.5207E-25	Prkg2
ENSMUSG00000025810	8291.446	-2.031	0.116	-17.460	2.9E-68	2.6875E-66	Nrp1
ENSMUSG00000113313	122.564	-2.031	0.362	-5.607	2.1E-08	1.59E-07	Gm32036
ENSMUSG00000048174	100.220	-2.036	0.510	-3.994	6.5E-05	0.00031844	Tmem81
ENSMUSG00000033705	395.936	-2.037	0.290	-7.036	2.0E-12	2.1752E-11	Stard9
ENSMUSG00000091119	22.589	-2.042	0.752	-2.716	6.6E-03	0.02181134	Ccdc152
ENSMUSG00000027316	60.506	-2.048	0.602	-3.402	6.7E-04	0.00274049	Gfra4
ENSMUSG00000028743	1355.095	-2.050	0.179	-11.464	2.0E-30	5.7453E-29	Akr7a5
ENSMUSG00000026437	2633.310	-2.050	0.202	-10.164	2.9E-24	6.3862E-23	Cdk18
ENSMUSG00000071632	208.273	-2.051	0.277	-7.404	1.3E-13	1.5949E-12	2510002D24Rik
ENSMUSG00000048240	45.102	-2.055	0.771	-2.665	7.7E-03	0.02489525	Gng7
ENSMUSG00000049670	69.922	-2.061	0.755	-2.730	6.3E-03	0.02097523	Morn4
ENSMUSG00000026712	6218.898	-2.065	0.129	-16.058	5.0E-58	3.5312E-56	Mrc1
ENSMUSG00000102813	699.319	-2.066	0.194	-10.632	2.1E-26	5.1216E-25	Gm37795
ENSMUSG00000039648	81.625	-2.072	0.672	-3.085	2.0E-03	0.00759532	Kyat1
ENSMUSG00000053687	203.996	-2.072	0.233	-8.892	6.0E-19	1.0314E-17	Dpep2
ENSMUSG00000026473	2963.974	-2.076	0.114	-18.247	2.2E-74	2.2781E-72	Glul
ENSMUSG00000034424	2169.652	-2.076	0.139	-14.916	2.6E-50	1.4538E-48	Gesh
ENSMUSG00000022562	267.457	-2.079	0.291	-7.154	8.4E-13	9.5382E-12	Oplah
ENSMUSG00000039781	200.807	-2.079	0.319	-6.514	7.3E-11	7.1068E-10	Cep131
ENSMUSG00000109556	105.266	-2.083	0.431	-4.831	1.4E-06	8.4028E-06	Gm38843
ENSMUSG00000086468	18.597	-2.088	0.828	-2.522	1.2E-02	0.03586587	Etaa1os
ENSMUSG00000021913	24.571	-2.090	0.799	-2.615	8.9E-03	0.02828468	Ogdhl
ENSMUSG00000097061	89.237	-2.091	0.498	-4.199	2.7E-05	0.00013852	9330151L19Rik
ENSMUSG00000092171	29.655	-2.091	0.624	-3.349	8.1E-04	0.00327094	4833427F10Rik
ENSMUSG00000032911	34.798	-2.093	0.711	-2.945	3.2E-03	0.01152993	Cspg4
ENSMUSG00000032527	289.154	-2.094	0.268	-7.802	6.1E-15	8.0053E-14	Pccb
ENSMUSG00000084946	28.591	-2.095	0.631	-3.320	9.0E-04	0.00359858	Dlx1as
ENSMUSG00000063506	456.651	-2.097	0.230	-9.111	8.1E-20	1.4549E-18	Arhgap22
ENSMUSG00000030708	99.317	-2.106	0.403	-5.233	1.7E-07	1.1602E-06	Dnajb13

ENSMUSG00000078870	31.208	-2.106	0.538	-3.914	9.1E-05	0.00043361	Gm14410
ENSMUSG00000061143	661.792	-2.122	0.236	-8.998	2.3E-19	4.0401E-18	Maml3
ENSMUSG00000030329	284.840	-2.122	0.340	-6.245	4.2E-10	3.8593E-09	Pianp
ENSMUSG00000026627	1669.801	-2.122	0.126	-16.865	8.1E-64	6.7269E-62	Pacc1
ENSMUSG00000042724	111.897	-2.130	0.612	-3.480	5.0E-04	0.0021034	Map3k9
ENSMUSG00000041707	611.563	-2.133	0.269	-7.930	2.2E-15	2.9664E-14	Tmem273
ENSMUSG00000064105	348.019	-2.135	0.278	-7.674	1.7E-14	2.1338E-13	Cnnm2
ENSMUSG00000036743	80.798	-2.135	0.582	-3.669	2.4E-04	0.00108398	Psma8
ENSMUSG00000042978	253.332	-2.140	0.448	-4.776	1.8E-06	1.0897E-05	Sbk1
ENSMUSG00000030409	2924.875	-2.158	0.182	-11.840	2.4E-32	7.5551E-31	Dmpk
ENSMUSG00000108693	134.925	-2.158	0.554	-3.896	9.8E-05	0.00046323	Gm45153
ENSMUSG00000106951	55.959	-2.163	0.595	-3.636	2.8E-04	0.00122091	5930430L01Rik
ENSMUSG00000033788	54.550	-2.164	0.647	-3.342	8.3E-04	0.00334309	Dysf
ENSMUSG00000049321	34.688	-2.172	0.903	-2.406	1.6E-02	0.04763863	Zfp2
ENSMUSG00000093880	15.346	-2.176	0.829	-2.626	8.7E-03	0.02758183	Tmem181c-ps
ENSMUSG00000041189	37.099	-2.176	0.765	-2.845	4.4E-03	0.01537197	Chrb1
ENSMUSG00000078789	827.445	-2.178	0.170	-12.808	1.5E-37	5.5988E-36	Dph1
ENSMUSG00000054967	49.576	-2.178	0.641	-3.400	6.7E-04	0.00275501	Zfp647
ENSMUSG00000085890	52.915	-2.180	0.535	-4.073	4.6E-05	0.00023218	Tnfsf13os
ENSMUSG00000094786	25.724	-2.181	0.748	-2.917	3.5E-03	0.0125027	Gm14403
ENSMUSG00000025934	452.792	-2.182	0.360	-6.060	1.4E-09	1.1815E-08	Gsta3
ENSMUSG00000020658	100.709	-2.183	0.623	-3.504	4.6E-04	0.00193121	Efr3b
ENSMUSG00000033446	2068.463	-2.185	0.159	-13.741	5.7E-43	2.5706E-41	Lpar6
ENSMUSG00000041762	99.279	-2.185	0.527	-4.145	3.4E-05	0.00017315	Gpr155
ENSMUSG00000030851	51.373	-2.187	0.644	-3.394	6.9E-04	0.00281489	Ldhc
ENSMUSG00000031906	134.264	-2.188	0.584	-3.744	1.8E-04	0.00082577	Smpd3
ENSMUSG00000047875	638.994	-2.188	0.243	-9.012	2.0E-19	3.5434E-18	Gpr157
ENSMUSG00000027223	23.773	-2.190	0.769	-2.846	4.4E-03	0.0153245	Mapk8ip1
ENSMUSG00000020053	17437.115	-2.195	0.128	-17.095	1.6E-65	1.4027E-63	Igfl
ENSMUSG00000027358	360.518	-2.203	0.285	-7.736	1.0E-14	1.3314E-13	Bmp2
ENSMUSG00000026939	587.227	-2.205	0.197	-11.194	4.4E-29	1.1865E-27	Tmem141
ENSMUSG00000032246	35.900	-2.207	0.613	-3.597	3.2E-04	0.00139906	Calml4
ENSMUSG00000032744	113.943	-2.212	0.521	-4.244	2.2E-05	0.00011537	Heyl
ENSMUSG00000031129	1746.647	-2.217	0.198	-11.179	5.2E-29	1.3978E-27	Slc9a9
ENSMUSG00000091811	479.556	-2.218	0.213	-10.426	1.9E-25	4.353E-24	Inafm1
ENSMUSG00000116656	15.708	-2.221	0.813	-2.733	6.3E-03	0.02083046	Gm49708
ENSMUSG00000040229	116.910	-2.225	0.543	-4.097	4.2E-05	0.00021138	Gpr34
ENSMUSG00000005951	85.053	-2.235	0.636	-3.513	4.4E-04	0.0018769	Shpk
ENSMUSG00000023912	46.559	-2.239	0.579	-3.870	1.1E-04	0.00051401	Slc25a27
ENSMUSG00000043833	171.031	-2.243	0.325	-6.911	4.8E-12	5.1294E-11	2900005J15Rik
ENSMUSG00000028238	2961.175	-2.246	0.186	-12.084	1.3E-33	4.1703E-32	Atp6v0d2
ENSMUSG00000072437	262.792	-2.246	0.345	-6.509	7.6E-11	7.316E-10	Nanos1
ENSMUSG00000029762	4196.855	-2.247	0.141	-15.942	3.3E-57	2.2648E-55	Akr1b8
ENSMUSG00000118669	99.592	-2.257	0.538	-4.193	2.8E-05	0.00014247	AC084822.1
ENSMUSG00000073242	226.547	-2.270	0.355	-6.395	1.6E-10	1.5233E-09	Dnmt3aos
ENSMUSG00000033857	696.787	-2.271	0.349	-6.513	7.3E-11	7.1134E-10	Engase
ENSMUSG00000055150	54.293	-2.273	0.522	-4.354	1.3E-05	7.2866E-05	Zfp78
ENSMUSG00000106219	48.481	-2.280	0.609	-3.744	1.8E-04	0.00082464	5830416I19Rik
ENSMUSG00000052102	4594.580	-2.281	0.117	-19.425	4.7E-84	5.8778E-82	Gnpdal
ENSMUSG00000092528	29.875	-2.289	0.911	-2.513	1.2E-02	0.03673464	Nlrp1c-ps
ENSMUSG00000026791	996.464	-2.290	0.193	-11.837	2.5E-32	7.8147E-31	Slc2a8
ENSMUSG00000115003	27.712	-2.291	0.678	-3.380	7.2E-04	0.00294346	Gm48933

ENSMUSG00000078817	42.924	-2.292	0.822	-2.789	5.3E-03	0.01794728	Nlrp12
ENSMUSG00000053040	631.920	-2.292	0.194	-11.811	3.4E-32	1.0586E-30	Apl1c
ENSMUSG00000039058	38.106	-2.301	0.793	-2.901	3.7E-03	0.01309246	Ak5
ENSMUSG00000015568	65896.166	-2.307	0.136	-16.945	2.1E-64	1.7621E-62	Lpl
ENSMUSG00000039518	36.869	-2.309	0.935	-2.469	1.4E-02	0.04084195	Cdsn
ENSMUSG00000073755	134.187	-2.313	0.607	-3.810	1.4E-04	0.00064505	5730409E04Rik
ENSMUSG00000068854	176.214	-2.316	0.421	-5.506	3.7E-08	2.7558E-07	H2bc21
ENSMUSG00000030147	271.546	-2.321	0.260	-8.927	4.4E-19	7.5398E-18	Clec4b1
ENSMUSG00000097328	843.972	-2.321	0.170	-13.691	1.2E-42	5.1465E-41	Tnfsf12
ENSMUSG00000038210	21.497	-2.325	0.851	-2.732	6.3E-03	0.02091642	Hoxa11
ENSMUSG00000028777	67.300	-2.327	0.545	-4.270	2.0E-05	0.00010332	Gnat3
ENSMUSG00000031458	804.366	-2.331	0.184	-12.652	1.1E-36	3.9987E-35	Coprs
ENSMUSG00000072494	97.725	-2.334	0.417	-5.593	2.2E-08	1.7195E-07	Ppp1r3e
ENSMUSG00000036086	563.347	-2.340	0.245	-9.544	1.4E-21	2.7129E-20	Zranb3
ENSMUSG00000093677	39.072	-2.340	0.561	-4.174	3.0E-05	0.00015401	Gm20712
ENSMUSG00000059824	178.637	-2.345	0.382	-6.143	8.1E-10	7.2155E-09	Dbp
ENSMUSG00000031385	57.114	-2.348	0.725	-3.238	1.2E-03	0.00471242	Plxnb3
ENSMUSG00000029650	720.116	-2.353	0.247	-9.543	1.4E-21	2.7259E-20	Slc46a3
ENSMUSG00000097412	111.747	-2.354	0.386	-6.090	1.1E-09	9.9022E-09	1810014B01Rik
ENSMUSG00000003546	2967.002	-2.354	0.142	-16.601	6.8E-62	5.2759E-60	Klc4
ENSMUSG00000042099	436.839	-2.355	0.294	-8.003	1.2E-15	1.6763E-14	Kank3
ENSMUSG00000079445	204.332	-2.361	0.686	-3.442	5.8E-04	0.00239066	B3gnt7
ENSMUSG00000030340	132.977	-2.361	0.613	-3.851	1.2E-04	0.0005515	Scnn1a
ENSMUSG00000038508	4974.287	-2.362	0.195	-12.080	1.3E-33	4.376E-32	Gdf15
ENSMUSG00000097650	25.085	-2.363	0.675	-3.500	4.6E-04	0.00195937	4921507G05Rik
ENSMUSG00000105954	65.147	-2.370	0.366	-6.482	9.0E-11	8.6981E-10	Gm42793
ENSMUSG00000116640	12.673	-2.371	0.870	-2.724	6.4E-03	0.02134374	Gm8670
ENSMUSG00000031971	149.717	-2.372	0.378	-6.278	3.4E-10	3.1507E-09	Ccsap
ENSMUSG00000018752	37.029	-2.374	0.470	-5.055	4.3E-07	2.8252E-06	Tnfsfm13
ENSMUSG00000099689	32.823	-2.378	0.734	-3.241	1.2E-03	0.00465874	Zfp383
ENSMUSG00000036641	42.255	-2.379	0.605	-3.934	8.3E-05	0.00040109	Ccdc148
ENSMUSG00000021003	2962.170	-2.380	0.148	-16.071	4.1E-58	2.889E-56	Galc
ENSMUSG00000040209	184.965	-2.383	0.412	-5.785	7.2E-09	5.8492E-08	Zfp704
ENSMUSG00000037185	138.606	-2.384	0.502	-4.749	2.0E-06	1.2378E-05	Krt80
ENSMUSG00000021822	5087.288	-2.385	0.216	-11.023	3.0E-28	7.7921E-27	Plau
ENSMUSG00000038843	1769.779	-2.391	0.165	-14.532	7.6E-48	3.9152E-46	Gent1
ENSMUSG00000107884	26.948	-2.391	0.785	-3.045	2.3E-03	0.00858597	Gm44144
ENSMUSG00000020654	684.306	-2.392	0.208	-11.477	1.7E-30	4.9655E-29	Adcy3
ENSMUSG00000027698	9191.127	-2.393	0.113	-21.198	9.9E-100	1.7606E-97	Nceh1
ENSMUSG00000014164	60.409	-2.402	0.418	-5.753	8.7E-09	7.0135E-08	Klh13
ENSMUSG00000042675	2843.209	-2.404	0.160	-15.037	4.2E-51	2.4123E-49	Ypel3
ENSMUSG00000024781	50530.275	-2.408	0.079	-30.492	3.3E-204	3.09E-201	Lipa
ENSMUSG00000027173	350.452	-2.408	0.263	-9.149	5.7E-20	1.0338E-18	Depdc7
ENSMUSG00000101678	8.386	-2.409	0.979	-2.461	1.4E-02	0.04164436	Gm29609
ENSMUSG00000037217	400.428	-2.411	0.271	-8.887	6.3E-19	1.0727E-17	Syn1
ENSMUSG00000054589	38.079	-2.420	0.696	-3.480	5.0E-04	0.0021034	Gm9949
ENSMUSG00000051098	286.038	-2.423	0.338	-7.166	7.7E-13	8.7752E-12	Mblac2
ENSMUSG00000005493	18.620	-2.425	0.951	-2.551	1.1E-02	0.03330023	Msh4
ENSMUSG00000030729	402.881	-2.429	0.213	-11.429	3.0E-30	8.5624E-29	Pgm211
ENSMUSG00000039976	102.434	-2.435	0.583	-4.175	3.0E-05	0.00015335	Tbc1d16
ENSMUSG00000015980	426.458	-2.444	0.294	-8.311	9.5E-17	1.4173E-15	Lrrc27
ENSMUSG00000098055	17.275	-2.451	0.940	-2.606	9.1E-03	0.02892448	Gm26947

ENSMUSG00000022415	6795.189	-2.451	0.105	-23.356	1.2E-120	3.543E-118	Syngr1
ENSMUSG00000112539	14.868	-2.454	1.021	-2.403	1.6E-02	0.04800353	Gm40787
ENSMUSG00000042770	802.471	-2.457	0.203	-12.089	1.2E-33	3.9476E-32	Hebp1
ENSMUSG00000052912	13.342	-2.467	0.976	-2.528	1.1E-02	0.03532181	Smarca5-ps
ENSMUSG00000000149	801.723	-2.468	0.413	-5.972	2.3E-09	1.9881E-08	Gna12
ENSMUSG00000089669	42.902	-2.468	0.510	-4.835	1.3E-06	8.2407E-06	Tnfsf13
ENSMUSG00000028555	20.971	-2.478	0.759	-3.266	1.1E-03	0.0042922	Ttc39a
ENSMUSG00000026450	38.811	-2.482	0.820	-3.027	2.5E-03	0.00905489	Chit1
ENSMUSG00000037509	88.888	-2.486	0.563	-4.419	9.9E-06	5.4975E-05	Arhgef4
ENSMUSG00000054510	121.123	-2.502	0.444	-5.634	1.8E-08	1.3669E-07	Gm14461
ENSMUSG00000104150	28.584	-2.507	0.737	-3.402	6.7E-04	0.00274049	Gm44573
ENSMUSG00000037868	1385.818	-2.512	0.190	-13.194	9.5E-40	3.8661E-38	Egr2
ENSMUSG00000021768	62.863	-2.521	0.651	-3.870	1.1E-04	0.00051401	Dusp13
ENSMUSG00000000126	36.687	-2.525	0.981	-2.573	1.0E-02	0.03146064	Wnt9a
ENSMUSG00000024663	6280.315	-2.525	0.158	-15.984	1.6E-57	1.1457E-55	Rab3il1
ENSMUSG00000005043	512.421	-2.529	0.262	-9.641	5.4E-22	1.0768E-20	Sgsh
ENSMUSG00000103808	35.913	-2.531	0.736	-3.441	5.8E-04	0.00240558	Gm37060
ENSMUSG00000039206	3496.637	-2.543	0.127	-20.057	1.7E-89	2.617E-87	Daglb
ENSMUSG00000026365	1056.040	-2.550	0.229	-11.126	9.4E-29	2.5298E-27	Cfh
ENSMUSG00000025950	12314.152	-2.552	0.112	-22.699	4.6E-114	1.161E-111	Idh1
ENSMUSG00000021567	262.378	-2.554	0.327	-7.821	5.2E-15	6.8831E-14	Nkd2
ENSMUSG00000085129	60.100	-2.566	0.744	-3.447	5.7E-04	0.00234935	5031425F14Rik
ENSMUSG00000067714	137.605	-2.568	0.549	-4.677	2.9E-06	1.7361E-05	Lpar5
ENSMUSG00000063193	11616.364	-2.584	0.111	-23.344	1.6E-120	4.526E-118	Cd3001b
ENSMUSG00000041797	423.755	-2.591	0.341	-7.589	3.2E-14	4.0494E-13	Abca9
ENSMUSG00000048965	275.703	-2.593	0.334	-7.767	8.0E-15	1.0466E-13	Mrgpre
ENSMUSG00000119926	19.554	-2.596	0.732	-3.547	3.9E-04	0.001669	AL450395.1
ENSMUSG00000116223	10.664	-2.599	1.044	-2.490	1.3E-02	0.03884137	Gm41396
ENSMUSG00000104018	19.494	-2.599	1.020	-2.549	1.1E-02	0.03346419	4833412K13Rik
ENSMUSG00000035769	108.157	-2.604	0.962	-2.706	6.8E-03	0.02241858	Xylb
ENSMUSG00000115186	15.864	-2.613	0.901	-2.900	3.7E-03	0.01313037	Gm49417
ENSMUSG00000027435	19859.925	-2.615	0.137	-19.125	1.6E-81	1.8603E-79	Cd93
ENSMUSG00000020150	633.153	-2.619	0.180	-14.580	3.7E-48	1.9487E-46	Gamt
ENSMUSG00000026389	974.996	-2.623	0.248	-10.578	3.8E-26	8.9822E-25	Steap3
ENSMUSG00000024186	99.548	-2.626	0.674	-3.896	9.8E-05	0.00046362	Rgs11
ENSMUSG00000104114	31.101	-2.628	0.859	-3.058	2.2E-03	0.00824444	Gm37297
ENSMUSG00000037736	52.965	-2.636	0.729	-3.616	3.0E-04	0.00130998	Limch1
ENSMUSG00000100235	50.860	-2.638	0.702	-3.755	1.7E-04	0.00079302	Gm28557
ENSMUSG00000005373	9.690	-2.651	1.066	-2.488	1.3E-02	0.03904707	Mlxip1
ENSMUSG00000038903	12.179	-2.656	1.019	-2.606	9.2E-03	0.02896626	Ccdc68
ENSMUSG00000049871	274.886	-2.657	0.299	-8.884	6.5E-19	1.0985E-17	Nlrc3
ENSMUSG00000052364	114.319	-2.660	0.457	-5.822	5.8E-09	4.775E-08	B630019K06Rik
ENSMUSG00000052512	987.091	-2.667	0.194	-13.754	4.8E-43	2.1587E-41	Nav2
ENSMUSG00000022353	2043.695	-2.683	0.165	-16.229	3.1E-59	2.2698E-57	Mtss1
ENSMUSG00000032122	14665.917	-2.690	0.142	-18.930	6.5E-80	7.5421E-78	Slc37a2
ENSMUSG00000041012	74.420	-2.691	0.867	-3.102	1.9E-03	0.0072014	Cmtm8
ENSMUSG00000102620	33.086	-2.693	0.993	-2.711	6.7E-03	0.02212957	Gm37675
ENSMUSG00000022235	83.278	-2.694	0.575	-4.685	2.8E-06	1.6709E-05	Cmb1
ENSMUSG00000029299	225.277	-2.698	0.683	-3.952	7.8E-05	0.0003751	Abcg3
ENSMUSG00000060568	78.243	-2.699	0.566	-4.768	1.9E-06	1.1333E-05	Fam78b
ENSMUSG00000047747	471.367	-2.700	0.335	-8.055	8.0E-16	1.1161E-14	Rnfl50
ENSMUSG00000034522	334.424	-2.702	0.267	-10.103	5.3E-24	1.1797E-22	Zfp395

ENSMUSG00000071669	488.934	-2.705	0.268	-10.080	6.7E-24	1.4784E-22	Snx29
ENSMUSG00000085081	24.539	-2.705	0.857	-3.156	1.6E-03	0.00609697	Rptoros
ENSMUSG00000017417	397.831	-2.717	0.258	-10.536	5.9E-26	1.4042E-24	Plxdc1
ENSMUSG00000114401	10.238	-2.723	1.056	-2.580	9.9E-03	0.0309257	Gm38604
ENSMUSG00000038351	206.694	-2.728	0.407	-6.708	2.0E-11	2.0033E-10	Sgsm2
ENSMUSG00000037432	26.046	-2.750	0.680	-4.044	5.3E-05	0.00026167	Fer115
ENSMUSG00000040722	1808.009	-2.752	0.188	-14.615	2.3E-48	1.1862E-46	Scamp5
ENSMUSG00000086111	18.852	-2.757	1.039	-2.653	8.0E-03	0.02570871	Gm15326
ENSMUSG00000028278	309.326	-2.761	0.416	-6.636	3.2E-11	3.2179E-10	Rragd
ENSMUSG00000047363	18.406	-2.764	0.913	-3.027	2.5E-03	0.00904125	Cstad
ENSMUSG00000036523	40.136	-2.765	0.633	-4.369	1.3E-05	6.8254E-05	Greb1
ENSMUSG00000041633	101.816	-2.767	0.411	-6.741	1.6E-11	1.6037E-10	Kctd12b
ENSMUSG00000051212	1024.865	-2.775	0.178	-15.573	1.1E-54	7.0069E-53	Gpr183
ENSMUSG00000039814	40.664	-2.786	0.687	-4.054	5.0E-05	0.00025116	Xkr5
ENSMUSG00000039908	906.512	-2.788	0.227	-12.270	1.3E-34	4.4264E-33	Slc26a11
ENSMUSG00000069804	23.337	-2.795	1.082	-2.584	9.8E-03	0.03063397	Gm10277
ENSMUSG00000110388	89.774	-2.796	0.547	-5.108	3.3E-07	2.1776E-06	Gm30329
ENSMUSG00000102143	15.237	-2.799	1.039	-2.695	7.0E-03	0.02303146	Gm38057
ENSMUSG00000038068	337.906	-2.811	0.342	-8.221	2.0E-16	2.9461E-15	Rnfl44b
ENSMUSG00000031434	49.505	-2.821	0.728	-3.873	1.1E-04	0.00050857	Morc4
ENSMUSG00000006800	1796.026	-2.826	0.164	-17.266	8.5E-67	7.6358E-65	Sulf2
ENSMUSG00000025902	34.353	-2.826	1.050	-2.691	7.1E-03	0.02328396	Sox17
ENSMUSG00000081809	9.532	-2.826	1.054	-2.682	7.3E-03	0.02383746	Gm15539
ENSMUSG00000020264	129.258	-2.828	0.444	-6.365	2.0E-10	1.8338E-09	Slc36a2
ENSMUSG00000044816	43.610	-2.832	0.897	-3.158	1.6E-03	0.00605739	D630023F18Rik
ENSMUSG00000021226	1106.488	-2.847	0.179	-15.863	1.1E-56	7.7318E-55	Acot2
ENSMUSG00000020017	71.328	-2.853	0.637	-4.482	7.4E-06	4.1859E-05	Hal
ENSMUSG00000030657	396.297	-2.876	0.244	-11.806	3.7E-32	1.1258E-30	Xylt1
ENSMUSG00000107761	45.713	-2.882	0.778	-3.702	2.1E-04	0.00096141	2010008C14Rik
ENSMUSG00000032232	639.582	-2.883	0.279	-10.322	5.6E-25	1.2783E-23	Cgnl1
ENSMUSG00000104339	182.519	-2.884	0.502	-5.742	9.4E-09	7.4982E-08	C130089K02Rik
ENSMUSG00000115230	182.672	-2.887	0.369	-7.821	5.2E-15	6.8802E-14	AU022793
ENSMUSG00000039956	181.949	-2.897	0.472	-6.132	8.7E-10	7.6782E-09	Mrap
ENSMUSG00000050390	233.632	-2.934	0.423	-6.934	4.1E-12	4.4125E-11	C77080
ENSMUSG00000008845	595.540	-2.936	0.306	-9.603	7.8E-22	1.5411E-20	Cd163
ENSMUSG00000022651	2250.848	-2.938	0.263	-11.164	6.1E-29	1.6579E-27	Retnlg
ENSMUSG00000032788	5907.520	-2.944	0.113	-26.060	1.0E-149	4.946E-147	Pdxk
ENSMUSG00000002944	41484.771	-2.947	0.106	-27.680	1.2E-168	8.681E-166	Cd36
ENSMUSG00000042734	58.151	-2.958	0.784	-3.771	1.6E-04	0.00074782	Ttc9
ENSMUSG00000115314	10.359	-2.981	1.243	-2.399	1.6E-02	0.04841027	Gm48966
ENSMUSG00000050022	473.366	-2.986	0.334	-8.953	3.5E-19	5.9913E-18	Amz1
ENSMUSG00000035314	321.149	-2.988	0.458	-6.524	6.8E-11	6.6369E-10	Gdpd5
ENSMUSG00000109005	11.763	-3.013	0.950	-3.171	1.5E-03	0.00582482	Gm45221
ENSMUSG00000074738	27.085	-3.014	1.070	-2.816	4.9E-03	0.01664177	Fndc10
ENSMUSG00000103715	15.795	-3.014	1.124	-2.680	7.4E-03	0.02391662	4933431K14Rik
ENSMUSG00000099759	7.769	-3.016	1.212	-2.489	1.3E-02	0.03894928	1700030C10Rik
ENSMUSG00000025020	74.687	-3.022	0.657	-4.598	4.3E-06	2.4893E-05	Slit1
ENSMUSG00000035509	17.864	-3.044	1.142	-2.667	7.7E-03	0.02480232	Fbx121
ENSMUSG00000036585	88.467	-3.052	0.749	-4.077	4.6E-05	0.00022908	Fgfl
ENSMUSG00000038332	2694.079	-3.054	0.195	-15.643	3.7E-55	2.3743E-53	Sesn1
ENSMUSG00000035459	225.326	-3.057	0.413	-7.398	1.4E-13	1.6643E-12	Stab2
ENSMUSG00000104432	10.253	-3.059	1.275	-2.399	1.6E-02	0.04841027	A430027C01Rik

ENSMUSG00000048200	228.829	-3.068	0.379	-8.106	5.2E-16	7.4135E-15	Cracr2b
ENSMUSG00000031438	14124.317	-3.079	0.081	-37.852	0.0E+00	0	Rnfl128
ENSMUSG00000085327	16.095	-3.086	0.944	-3.270	1.1E-03	0.00424549	Gm16104
ENSMUSG00000021384	3062.654	-3.108	0.161	-19.328	3.1E-83	3.8547E-81	Susd3
ENSMUSG00000053749	19.653	-3.113	0.983	-3.167	1.5E-03	0.00589229	Gm9920
ENSMUSG00000020542	9.741	-3.120	1.284	-2.429	1.5E-02	0.04508913	Myocd
ENSMUSG00000036862	32.010	-3.132	1.188	-2.636	8.4E-03	0.02689045	Dchs1
ENSMUSG00000109165	7.029	-3.158	1.287	-2.454	1.4E-02	0.04236527	Gm45148
ENSMUSG00000031451	8247.188	-3.161	0.154	-20.568	5.3E-94	8.4385E-92	Gas6
ENSMUSG00000022494	58.337	-3.166	0.714	-4.437	9.1E-06	5.0767E-05	Shisa9
ENSMUSG00000033082	18.825	-3.179	1.107	-2.871	4.1E-03	0.0142315	Clec1a
ENSMUSG00000032064	33.796	-3.190	1.051	-3.036	2.4E-03	0.00880183	Dixdc1
ENSMUSG00000117896	5.047	-3.220	1.348	-2.389	1.7E-02	0.04960539	AA387883
ENSMUSG00000039126	1050.240	-3.225	0.214	-15.068	2.6E-51	1.5074E-49	Prune2
ENSMUSG00000027955	593.020	-3.233	0.309	-10.466	1.2E-25	2.8909E-24	Gask1b
ENSMUSG00000115829	13.108	-3.234	1.080	-2.994	2.8E-03	0.01000775	4921515G04Rik
ENSMUSG00000041058	4663.356	-3.247	0.168	-19.358	1.7E-83	2.1524E-81	Wwp1
ENSMUSG00000032013	22.315	-3.262	1.315	-2.481	1.3E-02	0.03969921	Trim29
ENSMUSG00000086150	50.373	-3.296	0.589	-5.592	2.2E-08	1.7214E-07	Bach2os
ENSMUSG00000050071	26.791	-3.302	0.877	-3.766	1.7E-04	0.00076078	Bex1
ENSMUSG00000022106	5263.426	-3.311	0.138	-23.918	2.0E-126	6.766E-124	Rcbtb2
ENSMUSG00000004933	684.682	-3.312	0.229	-14.481	1.6E-47	8.2754E-46	Matk
ENSMUSG00000044708	70.906	-3.313	0.729	-4.544	5.5E-06	3.1697E-05	Kcnj10
ENSMUSG00000097007	7.207	-3.320	1.308	-2.538	1.1E-02	0.03440481	4930432B10Rik
ENSMUSG00000060512	95.921	-3.355	0.577	-5.809	6.3E-09	5.1094E-08	0610040J01Rik
ENSMUSG00000026012	1230.897	-3.356	0.250	-13.421	4.5E-41	1.9248E-39	Cd28
ENSMUSG00000000440	1488.770	-3.364	0.173	-19.477	1.7E-84	2.1685E-82	Pparg
ENSMUSG00000072949	187.425	-3.368	0.914	-3.684	2.3E-04	0.00102665	Acot1
ENSMUSG00000087291	20.129	-3.368	1.261	-2.670	7.6E-03	0.02453775	Gm11946
ENSMUSG00000025154	3728.436	-3.376	0.145	-23.313	3.3E-120	9.315E-118	Arhgap19
ENSMUSG00000025815	11.870	-3.387	1.243	-2.724	6.4E-03	0.02134633	Dhtkd1
ENSMUSG00000061578	61.382	-3.394	0.682	-4.974	6.5E-07	4.211E-06	Ksr2
ENSMUSG00000022419	267.786	-3.397	0.346	-9.805	1.1E-22	2.2145E-21	Deptor
ENSMUSG00000041272	15.336	-3.417	1.374	-2.486	1.3E-02	0.03918806	Tox
ENSMUSG00000025993	26585.003	-3.422	0.110	-31.224	5.1E-214	5.801E-211	Slc40a1
ENSMUSG00000034957	8665.170	-3.428	0.104	-32.852	1.1E-236	1.621E-233	Cebpa
ENSMUSG00000106157	41.041	-3.428	0.905	-3.789	1.5E-04	0.00069832	4930555A03Rik
ENSMUSG00000022579	23.296	-3.429	1.414	-2.425	1.5E-02	0.04551451	Gpihbp1
ENSMUSG00000059852	52.000	-3.430	0.808	-4.244	2.2E-05	0.00011546	Kcng2
ENSMUSG00000036411	15.868	-3.438	1.110	-3.098	1.9E-03	0.00729014	9530077C05Rik
ENSMUSG00000024437	11.376	-3.453	1.010	-3.419	6.3E-04	0.0025831	Gm8615
ENSMUSG00000034245	12.073	-3.458	1.319	-2.622	8.7E-03	0.02784685	Hdac11
ENSMUSG00000103115	11.890	-3.502	1.340	-2.613	9.0E-03	0.02846251	Gm37584
ENSMUSG00000020865	2992.969	-3.542	0.185	-19.163	7.5E-82	9.011E-80	Abcc3
ENSMUSG00000090659	37.227	-3.545	1.025	-3.460	5.4E-04	0.00225086	Zfp493
ENSMUSG00000109363	15.380	-3.552	1.046	-3.395	6.9E-04	0.00279895	Gm44668
ENSMUSG00000117763	20.204	-3.556	1.199	-2.967	3.0E-03	0.01082973	9830166K06Rik
ENSMUSG00000107429	7.186	-3.564	1.315	-2.712	6.7E-03	0.02208274	Gm44206
ENSMUSG00000110235	111.173	-3.578	0.565	-6.337	2.3E-10	2.1873E-09	Gm5086
ENSMUSG00000112276	72.693	-3.591	0.535	-6.712	1.9E-11	1.954E-10	5033421B08Rik
ENSMUSG00000047507	63.531	-3.593	1.313	-2.736	6.2E-03	0.02066132	Baiap3
ENSMUSG00000071324	37.162	-3.625	1.094	-3.314	9.2E-04	0.00366936	Armc2

ENSMUSG00000096606	70.414	-3.681	0.753	-4.886	1.0E-06	6.458E-06	Tpbgl
ENSMUSG00000078794	12.539	-3.691	1.365	-2.704	6.9E-03	0.02251286	Dact3
ENSMUSG00000040855	181.645	-3.718	0.403	-9.231	2.7E-20	4.8973E-19	Reps2
ENSMUSG00000025213	180.185	-3.757	0.550	-6.832	8.4E-12	8.7194E-11	Kazald1
ENSMUSG00000086109	301.600	-3.783	0.390	-9.699	3.1E-22	6.1892E-21	Gm13391
ENSMUSG00000109876	13.604	-3.815	1.273	-2.998	2.7E-03	0.00989313	Gm45449
ENSMUSG00000029384	21.718	-3.821	1.062	-3.599	3.2E-04	0.00139292	2010109A12Rik
ENSMUSG00000110115	16.911	-3.830	1.546	-2.477	1.3E-02	0.04006426	Gm32486
ENSMUSG00000024827	14.664	-3.834	1.299	-2.951	3.2E-03	0.01133784	Gldc
ENSMUSG00000104068	57.873	-3.836	0.795	-4.827	1.4E-06	8.5514E-06	Gm37199
ENSMUSG00000030737	607.461	-3.868	0.338	-11.443	2.5E-30	7.2966E-29	Slco2b1
ENSMUSG00000034829	18.694	-3.890	1.416	-2.746	6.0E-03	0.02012902	Nxn11
ENSMUSG00000020593	409.521	-3.917	0.342	-11.446	2.5E-30	7.0773E-29	Lpin1
ENSMUSG00000041930	30.257	-4.015	1.054	-3.808	1.4E-04	0.00065121	Fam222a
ENSMUSG00000034265	1276.865	-4.047	0.369	-10.965	5.6E-28	1.4624E-26	Zdhhc14
ENSMUSG00000028751	17.841	-4.055	1.344	-3.016	2.6E-03	0.00935019	Pla2g2e
ENSMUSG00000030433	17.665	-4.056	1.532	-2.648	8.1E-03	0.02602967	Sbk2
ENSMUSG00000043085	95.972	-4.095	0.574	-7.135	9.7E-13	1.0911E-11	Tmem82
ENSMUSG00000022885	994.546	-4.120	0.328	-12.543	4.4E-36	1.5546E-34	St6gal1
ENSMUSG00000050777	6203.016	-4.122	0.175	-23.584	5.6E-123	1.832E-120	Tmem37
ENSMUSG00000090564	34.361	-4.184	0.877	-4.772	1.8E-06	1.1126E-05	A430057M04Rik
ENSMUSG00000114016	9.922	-4.242	1.222	-3.470	5.2E-04	0.00217277	Gm47258
ENSMUSG00000048142	73.842	-4.255	0.817	-5.208	1.9E-07	1.3121E-06	Nat81
ENSMUSG00000056596	31.883	-4.289	1.091	-3.930	8.5E-05	0.00040728	Trnp1
ENSMUSG00000030206	10.399	-4.306	1.484	-2.900	3.7E-03	0.01310339	Gsg1
ENSMUSG00000082513	8.158	-4.358	1.778	-2.451	1.4E-02	0.04263458	Gm15374
ENSMUSG00000099031	3.736	-4.368	1.808	-2.416	1.6E-02	0.04649806	Mir7240
ENSMUSG00000035121	5.387	-4.377	1.807	-2.422	1.5E-02	0.04578687	Neil2
ENSMUSG00000039798	5.070	-4.396	1.681	-2.616	8.9E-03	0.0282758	2600006K01Rik
ENSMUSG00000023019	161.004	-4.406	0.566	-7.778	7.4E-15	9.6409E-14	Gpd1
ENSMUSG00000054893	112.941	-4.416	0.510	-8.654	5.0E-18	8.0224E-17	Zfp667
ENSMUSG00000037224	141.876	-4.420	0.625	-7.071	1.5E-12	1.7127E-11	Zfyve28
ENSMUSG00000112558	5.140	-4.428	1.799	-2.462	1.4E-02	0.04159558	Gm32364
ENSMUSG00000027956	184.605	-4.434	0.646	-6.867	6.6E-12	6.9185E-11	Tmem144
ENSMUSG00000097365	17.962	-4.453	1.280	-3.478	5.0E-04	0.00211275	C030034L19Rik
ENSMUSG00000026768	21.019	-4.489	1.071	-4.191	2.8E-05	0.00014326	Itga8
ENSMUSG00000000154	45.438	-4.503	0.997	-4.517	6.3E-06	3.5704E-05	Slc22a18
ENSMUSG00000075416	6.682	-4.518	1.812	-2.493	1.3E-02	0.03860231	Gm14488
ENSMUSG00000104164	116.453	-4.519	0.722	-6.261	3.8E-10	3.51E-09	Gm38248
ENSMUSG00000070868	85.519	-4.523	1.070	-4.227	2.4E-05	0.00012404	Skint3
ENSMUSG00000098251	7.586	-4.536	1.696	-2.675	7.5E-03	0.02426176	Mir7656
ENSMUSG00000102423	8.594	-4.545	1.859	-2.445	1.5E-02	0.04338509	Gm37465
ENSMUSG00000038665	25.022	-4.557	1.391	-3.276	1.1E-03	0.00416253	Dgki
ENSMUSG00000086424	13.382	-4.634	1.266	-3.661	2.5E-04	0.0011172	Gm15569
ENSMUSG00000049897	17.403	-4.651	1.685	-2.761	5.8E-03	0.01933581	Stkl1
ENSMUSG00000100572	7.500	-4.661	1.787	-2.609	9.1E-03	0.02873104	2410021H03Rik
ENSMUSG00000104206	5.515	-4.698	1.870	-2.513	1.2E-02	0.03673278	Gm32250
ENSMUSG00000118249	5.936	-4.718	1.764	-2.674	7.5E-03	0.02434261	Gm36608
ENSMUSG00000084995	5.904	-4.722	1.719	-2.746	6.0E-03	0.02012611	Lyzl4os
ENSMUSG00000020092	627.298	-4.732	0.650	-7.276	3.4E-13	4.0376E-12	Pald1
ENSMUSG00000098919	3.582	-4.738	1.941	-2.441	1.5E-02	0.0437167	Mir8102
ENSMUSG00000112948	4.823	-4.781	1.967	-2.431	1.5E-02	0.04486621	Gm48871

ENSMUSG00000041617	17.508	-4.783	1.706	-2.804	5.1E-03	0.01725195	Ccdc74a
ENSMUSG00000077457	5.869	-4.790	1.725	-2.777	5.5E-03	0.01853758	Snord65
ENSMUSG00000086340	3.475	-4.792	1.926	-2.487	1.3E-02	0.03905753	1810059C17Rik
ENSMUSG00000070527	17.390	-4.797	1.706	-2.812	4.9E-03	0.01685152	Mkrm3
ENSMUSG00000110129	7.958	-4.809	1.843	-2.609	9.1E-03	0.02872337	Gm45453
ENSMUSG00000086522	11.044	-4.809	1.687	-2.851	4.4E-03	0.01508088	Gm4473
ENSMUSG00000094562	26.636	-4.828	1.089	-4.433	9.3E-06	5.1669E-05	Trav13-4-dv7
ENSMUSG00000086003	5.172	-4.860	1.833	-2.652	8.0E-03	0.02576459	B230206L02Rik
ENSMUSG00000085517	4.249	-4.905	1.886	-2.600	9.3E-03	0.02937376	Gm12963
ENSMUSG00000033377	11.265	-4.905	1.660	-2.955	3.1E-03	0.01120026	Palmd
ENSMUSG00000026023	9.876	-4.909	1.983	-2.476	1.3E-02	0.04022522	Cdk15
ENSMUSG00000097187	10.340	-4.942	1.888	-2.618	8.8E-03	0.0281286	Gm19426
ENSMUSG00000113922	5.049	-4.952	2.065	-2.398	1.7E-02	0.04857512	Gm48887
ENSMUSG00000080454	3.115	-4.960	1.777	-2.791	5.3E-03	0.01785597	Gm24195
ENSMUSG00000116883	2.659	-4.968	1.833	-2.710	6.7E-03	0.02217684	Gm49700
ENSMUSG00000038777	40.446	-4.974	1.707	-2.914	3.6E-03	0.01260976	Sema6c
ENSMUSG00000049804	20.691	-5.013	1.614	-3.106	1.9E-03	0.00711886	Armex4
ENSMUSG00000068877	30.078	-5.018	1.094	-4.586	4.5E-06	2.6191E-05	Selenbp2
ENSMUSG00000059606	5.295	-5.020	1.718	-2.923	3.5E-03	0.0122856	Rnase2b
ENSMUSG00000117994	11.951	-5.042	1.743	-2.893	3.8E-03	0.01338573	Gm5820
ENSMUSG00000105341	5.643	-5.066	2.029	-2.497	1.3E-02	0.03809897	Gm43817
ENSMUSG00000073652	4.982	-5.079	1.820	-2.790	5.3E-03	0.01787264	Apol7d
ENSMUSG00000045009	21.833	-5.089	1.571	-3.239	1.2E-03	0.00469135	Prrt3
ENSMUSG00000086291	5.514	-5.091	1.827	-2.787	5.3E-03	0.01804735	Gm15513
ENSMUSG00000034107	10.060	-5.129	1.635	-3.137	1.7E-03	0.00647065	Ano7
ENSMUSG00000026834	4.024	-5.159	2.065	-2.499	1.2E-02	0.03798292	Acvr1c
ENSMUSG00000102786	7.245	-5.161	1.833	-2.816	4.9E-03	0.0166359	Gm38252
ENSMUSG00000082964	7.136	-5.164	1.660	-3.112	1.9E-03	0.00700153	Rpl13-ps5
ENSMUSG00000070806	3.123	-5.165	2.030	-2.544	1.1E-02	0.03393218	Zmynd12
ENSMUSG00000101903	33.531	-5.220	1.130	-4.620	3.8E-06	2.2536E-05	Gm29291
ENSMUSG00000115124	5.640	-5.229	2.142	-2.441	1.5E-02	0.0437167	Gm49201
ENSMUSG00000026940	4.785	-5.267	2.011	-2.619	8.8E-03	0.0280693	Ccdc183
ENSMUSG00000116534	21.276	-5.280	1.307	-4.041	5.3E-05	0.00026514	Gm49731
ENSMUSG00000050050	4.613	-5.283	2.094	-2.523	1.2E-02	0.03581627	Ccdc158
ENSMUSG00000090173	20.231	-5.288	1.257	-4.206	2.6E-05	0.0001347	Fbxw10
ENSMUSG00000085095	3.133	-5.292	2.181	-2.426	1.5E-02	0.04541324	Gm15635
ENSMUSG00000041596	3.020	-5.308	2.144	-2.476	1.3E-02	0.04021173	Nlrp5-ps
ENSMUSG00000071392	6.207	-5.320	1.714	-3.103	1.9E-03	0.00718507	Ect2l
ENSMUSG00000089783	2.924	-5.323	2.210	-2.409	1.6E-02	0.04729449	Gm454
ENSMUSG00000091670	4.299	-5.336	2.113	-2.525	1.2E-02	0.03555684	Vmn2r105
ENSMUSG00000030344	6.812	-5.443	2.084	-2.611	9.0E-03	0.02855973	Akap3
ENSMUSG00000079164	68.233	-5.459	1.037	-5.266	1.4E-07	9.8258E-07	Tlr5
ENSMUSG00000029419	14.560	-5.473	2.000	-2.736	6.2E-03	0.020652	Ajm1
ENSMUSG00000103901	6.275	-5.508	2.104	-2.618	8.9E-03	0.02816521	Gm37499
ENSMUSG00000032530	112.234	-5.531	0.803	-6.891	5.5E-12	5.8604E-11	Lyzl4
ENSMUSG00000045231	6.332	-5.536	1.760	-3.145	1.7E-03	0.00631719	BC106179
ENSMUSG00000018865	11.112	-5.538	2.044	-2.709	6.8E-03	0.02223012	Sult4a1
ENSMUSG00000105893	7.234	-5.565	2.058	-2.705	6.8E-03	0.02247743	Wdr46-ps
ENSMUSG00000021032	7.687	-5.606	2.038	-2.750	6.0E-03	0.01989787	Ngb
ENSMUSG00000041729	48.320	-5.619	1.220	-4.606	4.1E-06	2.3948E-05	Coro2b
ENSMUSG00000038415	14.046	-5.622	1.989	-2.827	4.7E-03	0.0161766	Foxq1
ENSMUSG00000117916	5.320	-5.628	2.262	-2.488	1.3E-02	0.03902536	9630028I04Rik

ENSMUSG00000097120	5.781	-5.668	1.968	-2.881	4.0E-03	0.0138457	Gm26887
ENSMUSG00000117361	4.152	-5.702	1.984	-2.873	4.1E-03	0.01415369	Gm30984
ENSMUSG00000060314	8.657	-5.748	2.207	-2.605	9.2E-03	0.02902392	Zfp941
ENSMUSG00000097129	7.846	-5.765	2.007	-2.872	4.1E-03	0.01420783	4930507D05Rik
ENSMUSG00000020990	6.885	-5.866	2.252	-2.605	9.2E-03	0.02905602	Cdk11
ENSMUSG00000104554	7.371	-5.876	1.918	-3.064	2.2E-03	0.00809886	Gm4610
ENSMUSG00000108141	5.328	-5.884	1.869	-3.149	1.6E-03	0.0062392	Gm44079
ENSMUSG00000106888	4.193	-5.923	2.001	-2.960	3.1E-03	0.01105086	Gm42848
ENSMUSG00000027004	12.052	-5.954	2.428	-2.453	1.4E-02	0.0425162	Frzb
ENSMUSG00000097730	5.530	-5.966	2.233	-2.672	7.5E-03	0.02446984	Gm26588
ENSMUSG00000072618	8.930	-6.004	2.114	-2.840	4.5E-03	0.01556607	Gm10384
ENSMUSG00000042826	7.769	-6.194	2.164	-2.862	4.2E-03	0.01461222	Fgf11
ENSMUSG00000053049	7.990	-6.253	1.743	-3.588	3.3E-04	0.00144595	Gm15413
ENSMUSG00000076823	11.250	-6.255	1.908	-3.278	1.0E-03	0.00412676	Trav13n-4
ENSMUSG00000109559	8.136	-6.291	2.103	-2.991	2.8E-03	0.01009814	Gm34280
ENSMUSG00000071604	9.063	-6.304	1.898	-3.321	9.0E-04	0.00358661	Fam189a2
ENSMUSG00000044006	9.686	-6.311	2.444	-2.583	9.8E-03	0.03068932	Cilp2
ENSMUSG00000108520	8.279	-6.336	2.127	-2.978	2.9E-03	0.01046898	Gm44684
ENSMUSG00000113216	11.211	-6.485	1.843	-3.518	4.3E-04	0.00184176	Gm40841
ENSMUSG00000053181	16.104	-6.517	1.755	-3.714	2.0E-04	0.00092113	A830005F24Rik
ENSMUSG00000104253	15.025	-6.550	1.880	-3.484	4.9E-04	0.00207016	Gm37174
ENSMUSG00000074217	67.788	-6.551	1.177	-5.566	2.6E-08	1.9853E-07	Misp3
ENSMUSG00000040875	12.169	-6.652	1.865	-3.567	3.6E-04	0.00155769	Osbp110
ENSMUSG00000040170	18.057	-6.672	1.942	-3.436	5.9E-04	0.00244288	Fmo2
ENSMUSG00000035283	13.681	-6.694	2.078	-3.222	1.3E-03	0.00495858	Adrb1
ENSMUSG00000036853	11.637	-6.715	2.109	-3.184	1.5E-03	0.0055995	Mcoln3
ENSMUSG00000115919	7.385	-6.755	2.039	-3.312	9.3E-04	0.00369152	Gm31583
ENSMUSG00000111583	14.929	-6.870	1.715	-4.006	6.2E-05	0.00030453	Gm47962
ENSMUSG00000111171	13.190	-6.896	1.824	-3.781	1.6E-04	0.00071831	Gm47815
ENSMUSG00000038026	13.902	-6.936	1.958	-3.543	4.0E-04	0.00169423	Kcnj9
ENSMUSG00000018570	21.296	-6.945	1.988	-3.494	4.8E-04	0.0020007	2810408A11Rik
ENSMUSG00000023439	12.834	-6.955	1.555	-4.473	7.7E-06	4.3545E-05	Gnb3
ENSMUSG00000097773	8.488	-6.963	2.042	-3.411	6.5E-04	0.00265844	Gm10614
ENSMUSG00000038663	26.430	-6.974	1.952	-3.574	3.5E-04	0.00152129	Fsd2
ENSMUSG00000021469	12.554	-7.048	2.235	-3.153	1.6E-03	0.00615435	Msx2
ENSMUSG00000054013	21.330	-7.083	1.689	-4.195	2.7E-05	0.00014133	Tmem179
ENSMUSG00000033316	75.455	-7.105	1.212	-5.862	4.6E-09	3.7852E-08	Galnt9
ENSMUSG00000104344	18.892	-7.176	1.631	-4.400	1.1E-05	5.953E-05	Gm38077
ENSMUSG00000108624	15.685	-7.217	1.738	-4.152	3.3E-05	0.00016815	Gm45091
ENSMUSG00000085006	15.629	-7.324	1.562	-4.689	2.7E-06	1.6425E-05	BC021767
ENSMUSG00000049097	20.858	-7.332	1.708	-4.292	1.8E-05	9.4332E-05	Ankrd34a
ENSMUSG00000109600	13.401	-7.378	1.842	-4.005	6.2E-05	0.00030482	Gm18212
ENSMUSG00000034968	16.538	-7.490	1.793	-4.177	3.0E-05	0.00015183	Lbx2
ENSMUSG00000032135	47.431	-7.522	1.737	-4.329	1.5E-05	8.0606E-05	Mcam
ENSMUSG00000097832	53.684	-7.533	1.501	-5.020	5.2E-07	3.3545E-06	Gm26912
ENSMUSG00000026303	16.375	-7.757	1.789	-4.336	1.5E-05	7.8372E-05	Mlph
ENSMUSG00000030865	32.395	-7.956	2.136	-3.724	2.0E-04	0.00088675	Chp2
ENSMUSG00000102697	29.950	-8.103	1.815	-4.466	8.0E-06	4.4887E-05	Pcdhac2

Table S4. DE genes FDR<0.05 Octanal vs Control BMDMs

Accession	baseMean	log2FC	lfcSE	stat	pvalue	padj	Gene name
ENSMUSG00000021098	6.549	-5.892	1.563	-3.770	0.0001634798	0.02981124	4930447C04Rik
ENSMUSG00000055523	22.911	-5.711	1.556	-3.670	0.0002423676	0.03704427	Gucy2g
ENSMUSG00000107109	16.094	-5.698	1.532	-3.719	0.0001997340	0.03322853	Gm42571
ENSMUSG00000031551	158.577	-5.424	1.409	-3.850	0.0001182335	0.02470959	Ido1
ENSMUSG00000020020	21.696	-5.189	1.409	-3.682	0.0002316855	0.03589272	Usp44
ENSMUSG00000005364	45.790	-5.188	1.303	-3.980	0.0000689376	0.01721844	Il5ra
ENSMUSG00000118495	63.201	-4.950	1.371	-3.611	0.0003051001	0.04175894	Gm21011
ENSMUSG00000063975	20.972	-4.230	1.200	-3.526	0.0004211749	0.04971194	Slco1a5
ENSMUSG00000048480	19.768	-3.188	0.877	-3.635	0.0002783855	0.03959453	Cxcr1
ENSMUSG00000044707	67.274	-2.316	0.538	-4.303	0.0000168597	0.00651518	Cenjl
ENSMUSG00000024617	40.482	-2.307	0.565	-4.084	0.0000442112	0.01263015	Camk2a
ENSMUSG00000057722	42.859	-1.984	0.502	-3.949	0.0000784542	0.01911513	Lepr
ENSMUSG00000022240	89.054	-1.894	0.426	-4.448	0.0000086704	0.00412971	Ctnnd2
ENSMUSG00000006462	51.592	-1.860	0.467	-3.986	0.0000672607	0.01709969	A530013C23Rik
ENSMUSG00000097275	39.143	-1.833	0.497	-3.692	0.0002227854	0.03483105	Gm26648
ENSMUSG00000103851	64.784	-1.606	0.399	-4.025	0.0000570829	0.01538310	Gm37606
ENSMUSG00000074766	95.323	-1.586	0.449	-3.536	0.0004062869	0.04896262	Ism1
ENSMUSG00000053846	5792.228	-1.586	0.427	-3.717	0.0002018646	0.03322853	Lipg
ENSMUSG00000052013	64.958	-1.586	0.450	-3.524	0.0004251122	0.04971194	Btla
ENSMUSG00000103313	103.180	-1.543	0.333	-4.628	0.0000036898	0.00193770	Gm38357
ENSMUSG00000106194	56.037	-1.536	0.390	-3.939	0.0000818080	0.01911513	Gm43569
ENSMUSG00000020155	102.008	-1.360	0.310	-4.385	0.0000115802	0.00506417	Kenmb1
ENSMUSG00000021822	5087.288	-1.176	0.193	-6.105	0.0000000010	0.00000287	Plau
ENSMUSG00000070348	3521.212	-1.106	0.201	-5.504	0.0000000371	0.00005064	Ccnd1
ENSMUSG00000014329	311.063	-1.092	0.195	-5.612	0.0000000200	0.00002928	Bicc1
ENSMUSG00000087201	238.917	-1.077	0.248	-4.337	0.0000144637	0.00604554	Gm15261
ENSMUSG00000117239	314.900	-1.055	0.275	-3.837	0.0001245511	0.02559138	Gpr31c
ENSMUSG00000029108	468.651	-1.042	0.273	-3.814	0.0001364632	0.02687407	Pcdh7
ENSMUSG00000090386	448.428	-1.027	0.237	-4.325	0.0000152485	0.00624609	Mir99ahg
ENSMUSG00000063838	252.817	-0.976	0.255	-3.827	0.0001297756	0.02605817	Cdc42ep5
ENSMUSG00000106472	227.019	-0.938	0.259	-3.627	0.0002864940	0.04046678	Gm43111
ENSMUSG00000051177	333.522	-0.888	0.245	-3.625	0.0002890021	0.04054146	Plcb1
ENSMUSG00000042842	424.030	-0.865	0.230	-3.765	0.0001663854	0.02989246	Serpib6b
ENSMUSG00000001763	385.570	-0.799	0.211	-3.779	0.0001577338	0.02963803	Tspan33
ENSMUSG00000059588	2558.036	-0.794	0.141	-5.641	0.0000000169	0.00002664	Calcr1
ENSMUSG00000031626	295.801	-0.771	0.204	-3.769	0.0001642283	0.02981124	Sorbs2
ENSMUSG00000030147	271.546	-0.760	0.213	-3.569	0.0003587417	0.04454089	Clec4b1
ENSMUSG00000000440	1488.770	-0.711	0.145	-4.899	0.0000009632	0.00075871	Pparg
ENSMUSG00000030102	1133.754	-0.710	0.149	-4.761	0.0000019238	0.00115886	Itpr1
ENSMUSG00000027030	647.443	-0.698	0.168	-4.145	0.0000339678	0.01140481	Stk39
ENSMUSG00000026748	1886.045	-0.689	0.143	-4.806	0.0000015431	0.00098763	Plxdc2
ENSMUSG00000021253	587.315	-0.654	0.177	-3.700	0.0002151802	0.03458208	Tgfb3
ENSMUSG00000054342	6320.940	-0.649	0.164	-3.945	0.0000797306	0.01911513	Kenn4
ENSMUSG00000049103	5049.022	-0.648	0.175	-3.696	0.0002187440	0.03458208	Ccr2
ENSMUSG00000022322	595.578	-0.641	0.167	-3.834	0.0001262013	0.02559138	Shcbp1
ENSMUSG00000036452	796.549	-0.639	0.131	-4.891	0.0000010053	0.00076258	Arhgap26
ENSMUSG00000027111	4593.789	-0.623	0.149	-4.194	0.0000273484	0.00962518	Itga6
ENSMUSG00000018927	52162.599	-0.612	0.137	-4.464	0.0000080557	0.00392828	Ccl6
ENSMUSG00000026548	3308.031	-0.601	0.161	-3.727	0.0001934376	0.03247373	Slamf9

ENSMUSG00000037868	1385.818	-0.595	0.164	-3.618	0.0002963358	0.04100847	Egr2
ENSMUSG00000040274	6796.320	-0.590	0.102	-5.788	0.0000000071	0.00001325	Cdk6
ENSMUSG00000029254	1942.715	-0.565	0.151	-3.752	0.0001752442	0.03085729	Stap1
ENSMUSG00000039109	20787.263	-0.550	0.151	-3.646	0.0002664760	0.03884627	F13a1
ENSMUSG00000021701	9710.219	-0.540	0.109	-4.963	0.0000006940	0.00064180	Plk2
ENSMUSG00000090958	3322.777	-0.524	0.108	-4.846	0.0000012587	0.00085930	Lrrc32
ENSMUSG00000053318	10221.974	-0.515	0.143	-3.600	0.0003178762	0.04236109	Slamf8
ENSMUSG00000055435	19662.138	-0.472	0.123	-3.834	0.0001258850	0.02559138	Maf
ENSMUSG00000002870	3202.845	-0.466	0.101	-4.639	0.0000034979	0.00193621	Mcm2
ENSMUSG00000001270	10332.842	-0.463	0.113	-4.113	0.0000390406	0.01251393	Ckb
ENSMUSG00000001870	3713.255	-0.463	0.091	-5.109	0.0000003232	0.00035459	Ltbp1
ENSMUSG00000021374	1389.903	-0.454	0.120	-3.800	0.0001446227	0.02781423	Nup153
ENSMUSG00000030067	7134.524	-0.451	0.106	-4.274	0.0000192077	0.00708828	Foxp1
ENSMUSG00000027435	19859.925	-0.439	0.122	-3.607	0.0003098935	0.04203264	Cd93
ENSMUSG00000052760	1677.720	-0.425	0.119	-3.571	0.0003551369	0.04454089	A630001G21Rik
ENSMUSG00000030560	#####	-0.424	0.118	-3.600	0.0003187799	0.04236109	Ctsc
ENSMUSG00000089809	3744.223	-0.417	0.110	-3.800	0.0001445820	0.02781423	Rasgeflb
ENSMUSG00000000693	6206.560	-0.400	0.111	-3.598	0.0003205883	0.04236109	Loxl3
ENSMUSG00000032788	5907.520	-0.378	0.098	-3.866	0.0001106481	0.02360609	Pdxk
ENSMUSG00000066026	22994.025	-0.373	0.091	-4.083	0.0000444007	0.01263015	Dhrs3
ENSMUSG00000021998	72406.879	-0.363	0.083	-4.374	0.0000122045	0.00520752	Lcp1
ENSMUSG00000024659	50153.485	-0.360	0.083	-4.321	0.0000155625	0.00624971	Anxa1
ENSMUSG00000019838	11063.525	-0.346	0.097	-3.560	0.0003705353	0.04571647	Slc16a10
ENSMUSG00000035754	5274.809	-0.344	0.084	-4.089	0.0000432406	0.01263015	Wdr18
ENSMUSG00000028136	4388.218	-0.327	0.083	-3.942	0.0000807563	0.01911513	Snx27
ENSMUSG00000028788	15342.734	-0.325	0.080	-4.084	0.0000443225	0.01263015	Ptp4a2
ENSMUSG00000020661	6419.041	-0.310	0.085	-3.643	0.0002690162	0.03884627	Dnmt3a
ENSMUSG00000027230	3044.169	-0.307	0.085	-3.623	0.0002917552	0.04064924	Creb3l1
ENSMUSG00000031352	2355.512	-0.304	0.080	-3.795	0.0001473468	0.02794268	Hccs
ENSMUSG00000028656	28693.347	-0.300	0.072	-4.146	0.0000337597	0.01140481	Cap1
ENSMUSG00000029580	#####	-0.300	0.076	-3.928	0.0000854977	0.01945642	Actb
ENSMUSG00000028273	2816.003	-0.275	0.073	-3.750	0.0001769716	0.03085729	Pdlim5
ENSMUSG00000038733	5542.536	-0.269	0.069	-3.908	0.0000932331	0.02075551	Wdr26
ENSMUSG00000024165	3803.416	-0.261	0.071	-3.664	0.0002485982	0.03743780	Jpt2
ENSMUSG00000054766	11840.502	-0.261	0.070	-3.753	0.0001744513	0.03085729	Set
ENSMUSG00000028161	9159.981	-0.255	0.071	-3.585	0.0003374696	0.04292991	Ppp3ca
ENSMUSG00000005732	5637.609	-0.245	0.067	-3.648	0.0002639978	0.03884627	Ranbp1
ENSMUSG00000032231	71776.265	-0.210	0.057	-3.695	0.0002195044	0.03458208	Anxa2
ENSMUSG00000033379	38195.975	0.176	0.049	3.585	0.0003365818	0.04292991	Atp6v0b
ENSMUSG00000016308	5986.306	0.186	0.051	3.680	0.0002330810	0.03589272	Ube2a
ENSMUSG00000039067	11193.352	0.203	0.053	3.799	0.0001453114	0.02781423	Psmc7
ENSMUSG00000003380	7886.409	0.221	0.061	3.610	0.0003058367	0.04175894	Rabac1
ENSMUSG00000035521	2063.469	0.224	0.060	3.730	0.0001917941	0.03246393	Gnptg
ENSMUSG00000004789	3580.989	0.225	0.064	3.523	0.0004271911	0.04971194	Dlst
ENSMUSG00000023944	62291.596	0.238	0.060	3.938	0.0000822515	0.01911513	Hsp90ab1
ENSMUSG00000022831	25391.078	0.245	0.063	3.869	0.0001094704	0.02360066	Hcls1
ENSMUSG00000045438	1908.570	0.248	0.069	3.602	0.0003157279	0.04236109	Cox19
ENSMUSG00000006373	5035.403	0.264	0.074	3.576	0.0003486728	0.04408128	Pgrmc1
ENSMUSG00000038312	6864.761	0.265	0.063	4.195	0.0000272299	0.00962518	Edem2
ENSMUSG00000023913	37295.655	0.268	0.067	4.010	0.0000608291	0.01582461	Pla2g7
ENSMUSG00000039745	4846.685	0.270	0.067	4.047	0.0000518921	0.01436218	Htatip2
ENSMUSG00000058672	8875.830	0.270	0.075	3.589	0.0003319539	0.04292991	Tubb2a

ENSMUSG00000028057	4455.088	0.271	0.072	3.768	0.0001644778	0.02981124	Rit1
ENSMUSG00000016495	3708.436	0.272	0.073	3.708	0.0002090507	0.03398069	Plgrkt
ENSMUSG00000040713	70181.604	0.273	0.069	3.969	0.0000721889	0.01781326	Creg1
ENSMUSG00000043091	16269.018	0.279	0.072	3.878	0.0001054403	0.02297364	Tuba1c
ENSMUSG00000031400	11945.902	0.287	0.070	4.099	0.0000414700	0.01251393	G6pdx
ENSMUSG00000004221	6277.698	0.289	0.078	3.716	0.0002028010	0.03322853	Ikbkg
ENSMUSG00000031584	44654.238	0.290	0.080	3.643	0.0002697556	0.03884627	Gsr
ENSMUSG00000024758	13028.001	0.301	0.070	4.313	0.0000160770	0.00633217	Rtn3
ENSMUSG00000021996	76234.603	0.305	0.060	5.106	0.0000003289	0.00035459	Esd
ENSMUSG00000040466	37125.922	0.305	0.086	3.536	0.0004064081	0.04896262	Blvrb
ENSMUSG00000028599	97083.674	0.316	0.088	3.569	0.0003588324	0.04454089	Tnfrsflb
ENSMUSG00000020733	9405.210	0.325	0.092	3.545	0.0003924666	0.04796189	Slc9a3r1
ENSMUSG00000050088	2882.104	0.328	0.084	3.909	0.0000927258	0.02075551	1600012H06Rik
ENSMUSG00000090124	1776.483	0.344	0.084	4.099	0.0000415481	0.01251393	Ugt1a7c
ENSMUSG00000038418	7614.179	0.347	0.090	3.850	0.0001179894	0.02470959	Egr1
ENSMUSG00000025503	51625.430	0.349	0.071	4.947	0.0000007521	0.00064180	Taldo1
ENSMUSG00000034266	3567.240	0.356	0.087	4.065	0.0000481327	0.01350418	Batf
ENSMUSG00000030763	919.100	0.368	0.098	3.748	0.0001783938	0.03085729	Lcmt1
ENSMUSG00000008540	11115.295	0.370	0.080	4.631	0.0000036433	0.00193770	Mgst1
ENSMUSG00000040152	49909.819	0.385	0.105	3.666	0.0002461441	0.03734279	Thbs1
ENSMUSG00000023048	26651.619	0.389	0.068	5.732	0.0000000099	0.00001692	Prr13
ENSMUSG00000025993	26585.003	0.396	0.097	4.100	0.0000413512	0.01251393	Slc40a1
ENSMUSG00000028691	#####	0.428	0.104	4.110	0.0000394844	0.01251393	Prdx1
ENSMUSG00000037820	31176.575	0.429	0.074	5.815	0.0000000061	0.00001243	Tgm2
ENSMUSG00000003541	15812.368	0.429	0.104	4.108	0.0000399008	0.01251393	Ier3
ENSMUSG00000022564	27620.174	0.435	0.089	4.870	0.0000011188	0.00081834	Grina
ENSMUSG00000021281	24679.710	0.437	0.091	4.823	0.0000014135	0.00093386	Tnfaip2
ENSMUSG00000071547	6862.591	0.440	0.090	4.863	0.0000011588	0.00081839	Nt5dc2
ENSMUSG00000048164	1126.290	0.446	0.111	4.031	0.0000555578	0.01517172	Gm7204
ENSMUSG00000036752	8614.935	0.455	0.096	4.743	0.0000021087	0.00123393	Tubb4b
ENSMUSG00000023349	48874.956	0.475	0.103	4.611	0.0000039994	0.00204777	Clec4n
ENSMUSG00000028961	50426.660	0.475	0.092	5.189	0.0000002115	0.00025487	Pgd
ENSMUSG00000042507	970.492	0.480	0.136	3.523	0.0004266120	0.04971194	Mideas
ENSMUSG00000035765	1338.666	0.485	0.127	3.815	0.0001363398	0.02687407	Dym
ENSMUSG00000028756	3613.068	0.488	0.125	3.902	0.0000954352	0.02101729	Pink1
ENSMUSG00000030144	42884.408	0.492	0.106	4.663	0.0000031193	0.00177460	Clec4d
ENSMUSG00000026701	31080.476	0.509	0.081	6.263	0.0000000004	0.00000193	Prdx6
ENSMUSG00000058135	10400.909	0.515	0.108	4.777	0.0000017775	0.00110320	Gstm1
ENSMUSG00000032802	25245.327	0.519	0.143	3.641	0.0002712278	0.03884627	Srxn1
ENSMUSG00000020363	1421.833	0.538	0.150	3.592	0.0003284611	0.04292991	Gfpt2
ENSMUSG00000024661	#####	0.540	0.087	6.197	0.0000000006	0.00000236	Fth1
ENSMUSG00000071714	9581.203	0.544	0.121	4.489	0.0000071546	0.00357396	Csf2rb2
ENSMUSG00000024646	15093.815	0.545	0.110	4.947	0.0000007518	0.00064180	Cyb5a
ENSMUSG00000109706	273.714	0.551	0.133	4.140	0.0000346720	0.01145350	Fth-ps3
ENSMUSG00000027332	1830.129	0.551	0.091	6.091	0.0000000011	0.00000287	Ivd
ENSMUSG00000071713	15426.993	0.567	0.113	5.024	0.0000005068	0.00050318	Csf2rb
ENSMUSG00000033917	6049.525	0.569	0.087	6.554	0.0000000001	0.00000038	Gde1
ENSMUSG00000074063	2447.628	0.586	0.156	3.768	0.0001643482	0.02981124	Osgin1
ENSMUSG00000022947	996.962	0.593	0.168	3.528	0.0004186363	0.04971194	Cbr3
ENSMUSG00000020334	782.927	0.607	0.138	4.385	0.0000116213	0.00506417	Slc22a4
ENSMUSG00000020250	24104.082	0.626	0.118	5.287	0.0000001243	0.00015907	Txnrd1
ENSMUSG00000026923	4312.536	0.632	0.129	4.915	0.0000008901	0.00072919	Notch1

ENSMUSG00000031934	2631.347	0.673	0.109	6.157	0.0000000007	0.00000254	Panx1
ENSMUSG00000027611	16356.862	0.687	0.160	4.296	0.0000174128	0.00660429	Procr
ENSMUSG00000031379	342.707	0.742	0.207	3.586	0.0003363133	0.04292991	Pir
ENSMUSG00000028124	35747.718	0.748	0.097	7.732	0.0000000000	0.00000000	Gelm
ENSMUSG00000000730	588.677	0.768	0.205	3.747	0.0001792890	0.03085729	Dnmt3l
ENSMUSG00000027737	12844.707	0.794	0.158	5.020	0.0000005159	0.00050318	Slc7a11
ENSMUSG00000027605	932.091	0.821	0.196	4.191	0.0000277274	0.00962518	Acsc2
ENSMUSG00000026829	605.365	0.846	0.215	3.935	0.0000830646	0.01911513	Gbgt1
ENSMUSG00000048911	369.138	0.870	0.238	3.661	0.0002514104	0.03758493	Rnf24
ENSMUSG00000003849	1658.025	0.874	0.234	3.736	0.0001872509	0.03195904	Nqo1
ENSMUSG00000028378	2777.430	0.922	0.155	5.929	0.0000000030	0.00000693	Ptgr1
ENSMUSG00000093765	511.789	0.931	0.234	3.984	0.0000676273	0.01709969	Gm20658
ENSMUSG00000028602	661.882	0.991	0.224	4.415	0.0000100930	0.00469808	Tnfrsf8
ENSMUSG00000005413	#####	1.001	0.118	8.508	0.0000000000	0.00000000	Hmox1
ENSMUSG00000034771	149.952	1.225	0.347	3.524	0.0004243384	0.04971194	Tle2
ENSMUSG00000115946	133.888	1.316	0.328	4.009	0.0000610392	0.01582461	Mirt2
ENSMUSG00000033967	220.866	2.568	0.601	4.272	0.0000193811	0.00708828	Rnf225
ENSMUSG00000055833	13.927	3.268	0.911	3.587	0.0003343496	0.04292991	1700034H15Rik
ENSMUSG00000039200	10.241	3.771	1.033	3.650	0.0002622025	0.03884627	Atf7ip2
ENSMUSG00000043286	10.358	5.434	1.533	3.544	0.0003934182	0.04796189	Pnpla1
ENSMUSG00000073008	15.452	6.261	1.426	4.390	0.0000113528	0.00506417	Gpr174
ENSMUSG00000021278	8.203	6.411	1.733	3.699	0.0002164725	0.03458208	Amn
ENSMUSG00000020826	37203.302	6.571	1.636	4.017	0.0000590257	0.01570007	Nos2

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