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Hepatic stellate cells relay inflammation signaling from sinusoids to parenchyma in mouse models of immune-mediated hepatitis

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List of abbreviations: HSCs, hepatic stellate cells; KCs, Kupffer cells; LSECs, liver sinusoidal endothelial cells; PG, prostaglandin; TNF, tumor necrosis factor; NF-κB, nuclear factor kappa-light-chain-enhancer of activated B cells; JNK, c-jun N-terminal kinase; ConA, Concanavalin A; IFN, interferon; ET, endothelin; TF, tissue factor; iNOS, inducible nitric oxide synthase; HCC; hepatocellular carcinoma; EGFP, enhanced green fluorescent protein; QRT-PCR, quantitative reverse transcription-polymerase chain reaction; LPS; lipopolysaccharide; GalN, D-galactosamine; CCl_4, carbon tetrachloride; cAMP, 3'-5'-cyclic adenosine monophosphate; PKA, protein kinase A; SD, standard deviation; p65, NF-κB p65; KO,

knockout; WT, wild-type; H&E, Hematoxylin and eosin; TUNEL, terminal deoxynucleotidyl transferase dUTP nick end labeling; i.v., intravenously; i.p., intraperitoneally; HPGDS, hematopoietic prostaglandin D synthase; pp65: phoshorylated p65; NPCs, nonparenchymal cells; VCAM-1, vascular cell adhesion molecule-1.

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Abstract

Hepatic stellate cells (HSCs) constitute the liver sinusoid with Kupffer cells (KCs) and liver sinusoidal endothelial cells (LSECs). While the sinusoid functions as the gateway to liver inflammation, whether HSCs contribute to liver inflammation and, if so, how they exert such functions remain elusive. Here we found that mouse as well as human HSCs expressed DP1 receptor for prostaglandin D_2 (PGD_2) selectively in the liver. Pharmacological stimulation of DP1 by BW245C, a DP1-selective agonist, suppressed the activation of cultured HSCs by tumor necrosis factor (TNF)-α at least in part through down regulation of nuclear factor kappa-light-chain-enhancer of activated B cells (NF-κB) signaling and inhibition of c-jun N-terminal kinase (JNK) phosphorylation. DP1 deficiency or BW245C administration in mice significantly enhanced or suppressed concanavalin A (ConA)-induced hepatitis, respectively. ConA injection induced TNF-α and interferon (IFN)-γ expression in the sinusoid, which was suppressed by administration of BW245C. Co-culture of spleen cells and liver non-parenchymal cells showed that ConA first activated spleen cells and this activation led to activation of non-parenchymal cells to secondarily produce TNF-α and IFN-γ. Microarray analysis revealed ConA-induced expression of endothelin-1 (ET-1), tissue factor (TF), and chemokines in the liver and inducible nitric oxide synthase (iNOS) in

hepatocytes, resulting in flow stagnation, leukocyte adherence and migration to the parenchyma, and hepatocyte death. DP1 stimulation inhibits all these events in the liver. Therefore, HSCs mediate amplification of ConA-induced liver inflammation in the sinusoid and causes direct and indirect hepatocyte injury, and DP1 stimulation inhibits this HSC activation. *Conclusions:* HSCs integrate cytokine-mediated inflammatory responses in the sinusoids and relay them to the liver parenchyma, and these HSC actions are inhibited by DP1 stimulation.

Liver sinusoids serve as the gate of inflammation in the liver (1, 2). There, KCs, LSECs, and HSCs, are strategically positioned. KCs and LSECs facing the sinusoidal lumen and in direct contact with the portal circulation constitute the frontline responding to immune and inflammatory challenges (1, 2). In septic liver injury and fatty liver diseases, gut microbiota and their products invade into the portal circulation through the impaired intestinal barrier, and KCs and LSECs respond to them by producing inflammatory cytokines (3). On the other hand, HSCs are located in the space of Disse between LSECs and hepatocytes (1, 2). While the involvement of HSCs in liver fibrosis is well recognized and attracts much attention (4), their role in liver inflammation has been little documented. Quite recently, Yoshimoto et al. (5) examined the mechanism underlying obesity-associated hepatocellular carcinoma (HCC) generation and found that HSCs are activated by gut microbiota-derived deoxycholic acid and promote HCC development through inflammatory cytokines. While this study strongly suggests the proinflammatory role of HSCs in liver inflammation, how HSCs function in various inflammatory liver diseases remains to be characterized. Such a study may lead to identification of a new therapeutic target against liver diseases.

Concanavalin A (ConA)-induced hepatitis is a mouse model of T cell-mediated hepatitis

(6). In this model, inflammatory cytokines, TNF-α (7) and IFN-γ (8) in particular, cause massive liver necrosis with dense infiltration of leukocytes (6). Using this model of liver disease, we have examined the role of HSCs in liver inflammation by analyzing actions of PGD_2. PGD_2 is synthesized from the PG endoperoxide PGH_2 by either hematopoietic or lipocalin PGD synthase. Although PGD_2 comprises about the half amount of all prostanoids produced in the liver (9), it has gained little attention in terms of liver immunology. PGD_2's action is mediated by two PGD_2 receptors, DP1 and DP2 (10). Here, we have found that DP1 is expressed in HSCs, and PGD_2 acting on this receptor exerts hepato-protective action in ConA-induced hepatitis by inhibiting NF-κB pathway and JNK phosphorylation in HSCs. By analyzing this action, we have elucidated that HSCs integrate inflammatory responses in the sinusoid to relay them to the liver parenchyma and these actions are inhibited by stimulation of PGD_2-DP1 signaling in HSCs.

Materials and Methods

Animals. C57BL/6NCrSlc mice, 7-12 weeks of age, were obtained from Japan SLC (Japan). DP1 knockout mice are described elsewhere (11). CD45.1-congenic B6 mice were from Jackson Laboratory. They were housed at the Center of Laboratory Animals of Kyoto University on a 12-hour light/dark cycle under specific pathogen-free conditions. Mice ubiquitously expressing enhanced green fluorescent protein (EGFP) (12) were kindly provided by Dr. Masaru Okabe (Genome Information Research Center, Osaka University, Osaka, Japan) and housed at Kitasato University under specific pathogen-free conditions. All experimental procedures were approved by the Committee on Animal Research of Kyoto University Faculty of Medicine and in accordance with the guidelines of Kitasato University School of Medicine.

Patients. Analysis of human liver samples were approved by the Ethics Committee of Osaka City University. A written informed consent was obtained from all of the patients before operations. Samples used were HCC following HCV infection (n = 7), HCC following HBV infection (n = 2), HCC following alcoholic steatohepatitis (n = 1), and benign hemangioma (n = 2). Normal liver tissue was dissected from resected liver specimen and used for quantitative reverse transcription-polymerase chain reaction (QRT-PCR).

Reagents. Reagents and their sources used in this study were ConA, collagenase IV, DNase I, LPS, and Krebs-Ringer buffer (Sigma, St. Louis, MO), CCl_4 and D-galactosamine (Nacalai Tesque, Kyoto, Japan), BW245C (4S-(3-[(3R,S)-3-cyclohexyl-3-hydroxypropyl]-2,5-dioxo)-4-imidazolidineheptanoic acid)(Cayman Chemical, Ann Arbor, MI), BQ-123 (2-[(3*R*,6*R*,9*S*,12*R*,15*S*)-6-(1*H*-indol-3-ylmethyl)-9-(2-methylpropyl)-2,5,8,11,14-pentaoxo-12-propan-2-yl-1,4,7,10,13-pentazabicyclo[13.3.0]octadecan-3-yl]acetic acid), BQ-788 ((2R)-2-[[(2R)-2-amino-3-(1-methoxycarbonylindol-3-yl)propanoyl]-[(2S)-2-[[(2R,6S)-2,6-dimethylpiperidine-1-carbonyl]amino]-4,4-dimethylpentanoyl]amino]hexanoic acid), Rp-8-Br-cAMPs, and Rp-8-CPT-cAMPs (Santa Cruz, Santa Cruz, CA), and clodronate liposome (13) (Dr. Nico van Rooijen, Department of Molecular Cell Biology, Vrije Universiteit, Amsterdam).

Protocol of ConA-induced hepatitis. ConA, dissolved in 200 μl saline, was injected through lateral tail vein at 10 mg/kg except experiments shown in Supporting Fig. 3 in which 20 mg/kg of ConA was used. BW245C, 1.0 mg/kg in 200 μl saline, was given i.p.

15 minutes after ConA injection. Mice were sacrificed at indicated time points for sampling of serum and/or liver. BQ-123 or BQ-788 were dissolved in saline and injected i.p. 30 minutes before ConA injection. For serum collection, blood was drawn from retroorbital vein and incubated for 30 minutes at ambient temperature. It was subsequently centrifuged at 4 °C at 1000 x g for 20 minutes. Serum was stored at -80 °C until use and sent to SRL (Japan) for AST and ALT measurement.

Protocol of lipopolysaccharide-D-galactosamine (LPS/GalN) - and carbon tetrachloride (CCl_4)-mediated liver acute injury. LPS (30 μg/kg) and 400 mg/kg D-galactosamine, dissolved in saline, were simultaneously administered i.p.. For induction of CCl_4-mediated liver injury, CCl_4, dissolved in 200 μl corn oil, was given i.p at 2 ml/kg. In all protocols, BW245C or vehicle was administered i.p. 15 minutes before LPS/GalN or CCl_4 injection.

Additional methods are described in the Supporting Information. Antibodies used for immunostaining and Western blot are listed in Supporting Table 2. Primers for QRT-PCR are shown in Supporting Table 3.

Results

DP1 is expressed in HSCs and suppresses HSC activation by TNF-α.

We first examined the target cells of PGD_2 in the liver by immunofluorescence for DP1, the major PGD receptor. We used the mouse ileum as a positive control, which highly expresses DP1 (11) and indeed is stained strongly by the antibody to DP1 we used (Supporting Fig. 1A). Immunofluorescent staining for DP1 revealed numerous short linear signals in the mouse liver, which exactly overlapped with those for desmin, a HSC marker (Fig. 1A, upper row), but not with F4/80 and CD31, markers for macrophage lineage and endothelial cells, respectively (Supporting Fig. 1B). QRT-PCR analysis of HSCs, KCs, LSECs, and hepatocytes from mouse livers showed DP1 mRNA expression in HSC fraction (Fig. 1A, lower row). DP1 expression did not significantly change with activation markers of HSCs during the course of culture (Data not shown). We then investigated whether DP1 is also expressed in human liver. Staining of serial sections of normal human liver showed almost complete overlapping of vimentin signals with those of DP1 in the consecutive sections, indicating that human HSCs also express DP1 (Fig. 1B). Consistently, QRT-PCR analysis of different specimen of the human liver detected DP1 expression, the level of which is well correlated with that of vimentin expression, a marker of human HSCs, in these samples (Fig. 1B).

We next examined the function of DP1 in HSCs. Given that DP1 is coupled to 3'-5'-cyclic adenosine monophosphate (cAMP) elevation in the cell and cAMP signaling is mostly cytoprotective, we hypothesized that DP1 exerts protective actions in HSCs. To test this hypothesis, we stimulated murine and human HSCs with TNF-α, a critical cytokine in the pathogenesis of liver injury (7, 14), in the presence or absence of a specific DP1 agonist, BW245C (15). The typical morphology and autofluorescence of isolated mouse HSCs are shown in Supporting Fig. 1C. TNF-α induced activation of mouse (Fig. 1C) and human (Fig. 1D, left) HSCs, as evidenced by increased *Tnf/TNF* mRNA expression. BW245C suppressed this expression in a concentration-dependent manner, which was not seen in HSCs isolated from DP1-deficient mice (Fig. 1C). TNF-α also induced expression of *CCL2*, a chemoattractant for monocytes and activated T cells (16) up-regulated in hepatitis (17). BW245C also suppressed this *CCL2* induction and expression of smooth muscle α-actin type 2 (*ACTA2*), a marker for HSC activation, in human HSCs (Fig. 1D, middle and right). Consistent with the cAMP rise upon DP1 stimulation, treatment of HSCs with forskolin also inhibited *Tnf/TNF* and *CCL2* expression in a concentration-dependent manner (Fig. 1E). Moreover, co-administration of protein kinase A (PKA)-specific inhibitors Rp-8-Br-cAMPs and Rp-8-CPT-cAMPs reversed the suppression of *TNF* exerted by BW245C (Fig. 1F).

These results suggest that DP1 stimulation attenuates HSC activation by TNF-α through cAMP-PKA pathway.

DP1 inhibits nuclear accumulation of NF-κB p65 and phosphorylation of JNK.

Since TNF-α-induced *TNF* expression is mediated by canonical NF-κB pathway (18), we examined the effects of DP1 on this process. In the resting state, NF-κB dimers are associated with IκB proteins and retained in the cytosol. Upon activation of canonical NF-κB pathway, IκB proteins are removed from the NF-κB dimers and degraded, thereby causing them to translocate into the nucleus and to induce the expression of inflammatory genes. As a self-inhibitory mechanism, IκBα is reinduced by NF-κB p65 (p65) and sequesters NF-κB dimers out of nuclei (19). Western Blot (Fig. 2A, B) and oligonucleotide-based ELISA from nuclear fractions (Fig. 2C) revealed that TNF-α induced nuclear accumulation of p65 in primary human HSCs. Although BW245C had no significant effect on nuclear translocation of p65 and IκBα degradation at earlier time points (Supporting Fig. 2), BW245C-treatment attenuated p65 accumulation at 1 hour of stimulation. Concurrently, cytosolic IκBα protein (Fig. 2A, B) and *NFKBIA* mRNA (Fig. 2D) were elevated in BW245C-treated cells compared with vehicle-treated cells. Consistently, co-treatment with cycloheximide

abolished the inhibitory effect of BW245C (Fig. 2E), suggesting the requirement of *de novo* protein synthesis for its suppressive effect. TNF-α -mediated *Tnf/TNF* mRNA expression is also mediated by the activation of MAP kinase pathway, JNK and p38 pathways in particular (20). Therefore we next investigated whether BW245C also inhibits these pathways and found that BW245C suppresses the phosphorylation of JNK but not that of p38 (Fig. 2F). These data suggest that DP1 signaling suppresses the TNF-α actions by (1) facilitating the reinduction of IκBα and thereby sequestering nuclear p65 protein out into the cytosol, and (2) suppressing JNK phosphorylation.

ConA-induced hepatitis is exacerbated in DP1knockout (KO) mice.

Having detected the presence of DP1 in HSCs and the suppression of HSC activation by BW245C *in vitro*, we next evaluated the *in vivo* role of DP1 in HSCs in liver inflammation by subjecting DP1 KO mice to ConA-induced hepatitis. We found that DP1 KO mice exhibited significant exacerbation of hepatitis compared with wild-type (WT) controls as examined by the serum levels of AST and ALT (Fig. 3A). Hematoxylin and eosin (H&E) staining and terminal deoxynucleotidyl transferase dUTP nick end labeling (TUNEL) staining (Fig. 3B) of the liver 24 hours after ConA injection showed massive hepatocyte death in DP1 KO mice compared with WT controls with

significantly larger affected region in DP1 KO mice (Fig. 3B, right). We then injected ConA intravenously (i.v.) into mice deficient in other prostanoid receptors (*i.e.* EP1, EP2, EP3, FP, TP, IP) and examined the specificity of DP1 deficiency. We did not use EP4 KO mice owing to their mixed genetic background, but administered WT mice an EP4 antagonist. Measurement of serum AST and ALT levels revealed that these mice showed no significant difference in liver injury compared to WT mice except for EP3 KO or TP KO, which showed attenuation of hepatitis (Supporting Fig. 3).

A DP1 agonist BW245C suppresses ConA-induced hepatitis.

Since the above results indicate that endogenous PGD_2-DP1 signaling exerts a protective effect on ConA hepatitis, we wondered whether pharmacological stimulation of DP1 further suppresses hepatic inflammation induced by ConA, and tested this hypothesis by BW245C administration. BW245C administered intraperitoneally (i.p.), dose-dependently and significantly suppressed the increase in serum AST and ALT levels and apoptotic areas compared with those in vehicle-treated group (Fig. 3C and D), the effects not seen in DP1 KO mice (Fig. 3C). We next generated bone marrow chimeras and examined the effect of BW245C. We injected clodronate liposomes i.v. before irradiation to eliminate recipient-derived KCs so that KCs are effectively

replaced with donor-derived cells (21). BW245C effectively suppressed ConA-induced hepatitis in WT recipients with DP1 KO bone marrow cells but had no effect in DP1 KO recipients with WT bone marrow cells (Fig. 3E). Consistently, BW245C suppressed serum TNF-α levels only in WT recipients (Supporting Fig. 4), demonstrating that BW245C suppresses hepatitis through DP1 in nonhematopoietic cells in the liver, most probably HSCs.

We next examined localization of hematopoietic PGD synthase (HPGDS) in the mouse liver, which is responsible for biosynthesis of PGD_2 in immune and inflammatory cells (22) and is known to be induced in KCs after LPS treatment. Immunofluorescence study revealed that HPGDS was scarcely detected in untreated liver but clearly seen at 7 hours after ConA injection and its signals overlapped exactly with those for F4/80 (Supporting Fig. 5). These results suggest that the major source of PGD_2 in ConA-induced hepatitis is KCs, and PGD_2-DP1 signaling functions locally in the sinusoid to control ConA-induced hepatitis.

We next performed immunostaining for phosphorylated p65 on serine 536 (pp65), a marker for NF-κB activation (23). Signals of pp65 were induced by ConA both in the

cytoplasm and the nuclei of hepatocytes and were decreased in the presence of BW245C (Fig. 3F, left), which is reflected in the quantification of fluorescence intensity of the nuclei (Fig. 3F, right). These data suggest that DP1 stimulation in the sinusoid suppresses NF-κB activation in hepatocytes caused by ConA administration.

BW245C suppresses intrahepatic production of TNF-α and IFN-γ.

We next examined the effects of BW245C administration on TNF-α and IFN-γ production in ConA-induced hepatitis. Serum TNF-α level peaked at 1 hour after ConA injection and gradually decreased by 24 hours in control mice. BW245C treatment suppressed serum TNF-α concentration at 1 and 3 hours (Fig. 4A). Similar suppression by BW245C treatment was also seen in serum IFN-γ level (Supporting Fig. 6A). Notably, intrahepatic *Tnf* mRNA expression was elevated at 1 hour and partially suppressed by BW245C (Fig. 4A). Consistently, immunostaining showed TNF-α signals in the liver at 1 hour after ConA injection, which co-localized with those of F4/80 and desmin (Fig. 4B) and were almost completely abolished by BW245C treatment (Fig. 4C). To corroborate these findings, we used co-culture of spleen cells and liver nonparenchymal cells (NPCs) (7). ConA addition induced TNF-α production significantly in spleen cells and negligibly in NPCs, when either cultured alone, and

significantly enhanced TNF-α production in co-culture of NPCs and spleen cells. BW245C treatment suppressed this enhancement of TNF-α production in the co-culture system while it has no effect on NPCs or spleen cells alone (Fig. 4D). IFN-γ production was similarly induced and inhibited in the co-culture system (Supporting Fig. 6B). In order to determine the cell population responsible for enhanced production of TNF-α, we performed co-culture experiments using cell culture inserts, with spleen cells in the upper and NPCs in the lower chamber. After stimulation with ConA, total RNA was extracted from each cell population and *Tnf* expression was examined by QRT-PCR. We found that *Tnf* expression was induced in NPCs by co-culture with spleen cells and that this expression was suppressed by BW245C (Fig. 4E). We examined the mechanism of this induction by stimulating spleen cells with Con A for 24 hours and collecting their supernatants (referred to as conditioned medium hereafter). NPCs were then incubated with the conditioned medium in the presence of vehicle or BW245C for 1 hour. *Tnf* mRNA was induced and this induction was inhibited by BW245C to the similar extent as in Fig. 4E (Fig. 4F). These results suggest that BW245C treatment does not inhibit the primary production of TNF-α and IFN-γ by immune cells but suppresses the secondary production of these cytokines by NPCs.

BW245C suppresses the expression of proinflammatory genes induced by ConA in the

liver

In order to gain more mechanistic insights into suppression of the hepatitis by BW245C, we conducted comparative microarray analyses for gene expression. Genes differentially expressed in the liver under each condition are listed in Supporting Table 1. Complete microarray data are deposited in Gene Expression Omnibus with the accession number GSE45413. We discovered 259 genes, expression of which was up-regulated by ConA injection at 3 and 24 hours, and was significantly suppressed by treatment with BW245C (Supporting Fig. 7), and verified differential expression of several of these genes by QRT-PCR (Fig. 5). One of them was *Nos2* that encodes iNOS. iNOS is induced in hepatocytes by TNF-α and IFN-γ and functions critically in ConA-induced hepatitis; deletion of *Nos2* protects mice from ConA-induced hepatitis.(24) Several other TNF-α– or IFN-γ-induced genes showed a pattern similar to that of *Nos2*, being induced by ConA and suppressed by BW245C. These include *Tnfaip6* (tumor necrosis alpha induced protein 6), *Fos* (c-fos), *Sele* (E-selectin), and *Socs3* (Supporting Fig. 7). Among them, there were also the genes related to sinusoidal hemostasis. Expression of ET-1 (*Edn1*) that induces sinusoidal constriction (2), and that of TF (*F3*), a potent initiator of coagulation cascades (25), were up-regulated by ConA and suppressed by BW245C at 3 and 24 hours (Fig. 6A), while expression of endothelin

receptors ET_A (*Ednra*) and ET_B (*Ednrb*) was not affected by either treatment (data not shown). Expression of vascular adhesion molecule 1 (VCAM-1 , *Vcam1*), an adhesion molecule up-regulated by NF-κB activation (26), was induced by ConA and suppressed in the presence of BW245C at 3 hours, but its level returned to basal value at 24 hours. In addition, expression of an array of chemokines, *Ccl2, Ccl7, Ccl11* were up-regulated by the ConA injection and suppressed by the BW245C treatment at 3 hours (Fig. 6B). *Ccl2*, *Ccl7*, and *Ccl11* are located on chromosome 11 in close proximity to each other (27). Finally, we performed immunostaining for iNOS (Fig. 5C), TF (Fig. 5D), VCAM-1 (Fig. 5E), and CCL2 (Fig. 5F). Strong signals appeared for iNOS and CCL2 in the liver parenchyma, for VCAM-1 in the sinusoid, and for TF both in the parenchyma and the sinusoid after ConA stimulation and these signals were almost completely abolished by BW245C treatment. These results demonstrate that DP1 stimulation on HSCs shuts off expression of various genes involved in liver injury.

BW245C improves hepatic microcirculation.

Since microcirculatory deterioration in the liver is caused by vasoconstriction, hypercoagulation, and white blood cell adherence, and results in shutdown of the sinusoidal circulation and parenchymal tissue hypoxia (2) and since we detected

induction of genes involved in sinusoidal homeostasis in the liver after ConA injection and its decrease with BW245C treatment, we investigated sinusoidal blood flow at 4 hours after ConA injection and assessed the effect of BW245C. Intravital fluorescence microscopic analysis revealed obstruction of sinusoids and consequent dilation of the portal venule in the liver of ConA-injected mice, which was markedly rescued by the treatment with BW245C (Supporting Fig. 8A). Quantification showed significant decrease in perfusion area in the liver of ConA-injected, vehicle-treated mice, which was restored by the treatment with BW245C (Supporting Fig. 8B). Furthermore, the analysis using EGFP-labelled leukocytes showed leukocyte accumulation in the sinusoid of the liver of ConA-injected mice as reported previously (28), and this accumulation was significantly attenuated by BW245C treatment (Supporting Fig. 8C, D). Given that HSCs are the only sinusoidal cells expressing DP1, we examined whether BW245C suppresses *EDN1* expression in vitro in HSCs. We found that primary human HSCs express *EDN1* mRNA, which was suppressed by BW245C in a concentration-dependent manner (Supporting Fig. 8E). We next hypothesized that improved sinusoidal blood flow by BW245C is at least in part mediated by decreased ET-1 expression. To test this hypothesis, we administered an ET_A antagonist BQ-123 or an ET_B antagonist BQ-788 i.p. 30 minutes prior to ConA injection and examined their

effects on ConA-induced hepatitis. BQ-123, but not BQ-788, decreased the increase in serum AST and ALT levels in ConA-injected mice (Supporting Fig. 8F). Consistently, H&E staining showed decreased necrotic areas in the liver of BQ-123-adminstered mice compared with that of vehicle-treated animals (Supporting Fig. 8F). Since BW245C was reported to inhibit Ca^{2+} elevation in rat myofibroblasts (29), we examined the possibility that BW245C inhibits ET-1 action by suppressing Ca^{2+} elevation. We used human HSCs and examined the effect of BW245C on ET-1-induced intracellular Ca^{2+} elevation. Preincubation with BW245C had no significant effect on intracellular Ca^{2+} level, suggesting that improved microcirculation is attributed to the decrease in ET-1 (Supporting Fig. 9). These results suggest that production of ET-1 in the inflammatory liver and resultant stagnation of the sinusoidal flow at least in part mediate ConA-induced hepatitis and that DP1 stimulation in HSCs attenuates microcirculatory deterioration by decreasing its ET-1 production.

$CD3^+$ $CD4^+$ cells cluster around blood vessels in the liver of BW245C-treated mice.

We next focused on how BW245C affects the trafficking of inflammatory cells including T cells. We first investigated the degree of cell infiltration by subjecting liver mononuclear cells to flow cytometry at 24 hours. We did not find any significant

difference in the number of $CD3^+$ cells and $Gr\text{-}1^+$ cells between ConA-injected mice treated with vehicle or BW245C (Fig. 6A). We next performed immunostaining to evaluate the distribution of each cell population. $Gr\text{-}1^+$ cell distribution and number did not differ significantly between the two groups (Fig. 6B, C). However, while $CD3^+$ cells infiltrated into the liver parenchyma in ConA injected, vehicle-treated mice, they clustered around the periportal connective tissue adjacent to $CD31^+$ vascular endothelial walls and did not infiltrate into the parenchyma in Con A-injected, BW245C-treated mice (Fig. 6B-D) We noted that the majority of these clustered $CD3^+$ cells was $CD4^+$ T cells (Fig. 6E). These findings suggest that, by treatment with BW245C, ConA-mediated recruitment of $CD3^+$ $CD4^+$ cells to the liver parenchyma is hindered and the cells cluster in the periportal connective tissue.

BW245C suppresses LPS/GalN- but not CCl_4- induced liver injury.

We next examined the effect of BW245C in two other liver injury models; that induced by CCl_4 and that by LPS/GalN. Injection of BW245C before CCl_4 injection had no effect on CCl_4-mediated liver injury (Fig. 7A). On the other hand, BW245C administration before LPS/GalN injection significantly suppressed hepatitis (Fig. 7B). Liver of vehicle-treated mice showed massive intrahepatic hemorrhage and hepatocyte

cell death, while the lesion was minimal in BW245C-treated mice (Fig. 7C). Since LPS/GalN hepatitis is dependent on TNF-α (30), we measured serum TNF-α and intrahepatic *Tnf* mRNA levels and found that BW245C-treated mice had lower serum TNF-α (Fig. 7D) and intrahepatic *Tnf* expression (Fig. 7E) levels compared with those of vehicle-treated mice after LPS/GalN injection. These data suggest that BW245C has no effect on direct hepatocyte injury, but inhibits immune-mediated hepatitis such as ConA-induced hepatitis and LPS/GalN-induced liver injury.

Discussion

In ConA hepatitis, TNF-α and IFN-γ are first produced in response to ConA, reaching their serum peak level within 2 hours (31), and induce expression of pro-inflammatory proteins in both parenchymal and nonparenchymal cells in the liver, causing liver injury occurring at 7 to 8 hours (6). Intriguingly, while BW245C treatment did not inhibit the production of TNF-α and IFN-γ by spleen cells and lowered the plasma level of these cytokines only partially, it suppressed the TNF-α and IFN-γ production in the sinusoid and suppressed expression of TNF-α- and/or IFN-γ-inducible genes in the liver almost completely. These results suggest that there is the relay mechanism of the cytokine production, first in immune cells and then in the sinusoidal cells, and that HSCs function to make such a relay in concert for parenchymal liver injury. Given that KCs, are the main TNF-α-producing cells in the sinusoid (14) and HSCs and not KCs express DP1, HSCs appear to crucially regulate cytokine production by KCs. Such regulatory actions of HSCs may have also operated in the co-culture of spleen cells and NPCs; there, *Tnf* production in NPCs was induced by the conditioned medium from ConA-activated spleen cells, and production of TNF-α and IFN-γ by NPCs was almost completely suppressed by BW245C. Finally, DP1 stimulation in HSCs inhibits $CD3^+$ $CD4^+$ T cell infiltration to the parenchyma. Thus, DP1 stimulation in HSCs appears to

shut off TNF-α production in NPCs in the sinusoid triggered by inflammatory cytokines originating from ConA-activated immune cells, thereby preventing the amplification of liver inflammation. HSCs and KCs can interact either directly or indirectly through fenestrated endothelium (32). The schematic diagram of the mechanism of DP1-mediated inhibition of ConA-induced hepatitis is shown in Fig. 8.

One subcellular mechanism of DP1-mediated preventive actions is likely to be the regulation of NF-κB signaling. BW245C did not interfere with the initial process of this signaling after TNF-α stimulation but promoted the synthesis of IκBα protein through cAMP-PKA signaling and expelled p65 out of nuclei at later time points. This mechanism certainly operates in HSCs, and regulates their functions in the process where DP1 stimulation inhibits ConA-induced hepatitis. A similar enhancement of auto-regulation of NFκB signaling by cAMP was reported in a human pancreatic cancer cell line stimulated with IL-1 and forskolin for 1 hour (33). Another mechanism is the inhibition of JNK phosphorylation. Upon TNF-α stimulation, MAP kinase signaling including JNK pathway induces secondary responses by inducing the expression of inflammatory cytokines including TNF-α itself (20). It is therefore likely that stimulation of other Gs-coupled-receptors on HSCs can exert anti-inflammatory actions

in the liver as we found here in DP1.

DP1 stimulation in HSCs trapped $CD3^+$ cells in the periportal area and inhibits their recruitment into the liver parenchyma. HSCs in the liver are equivalent to pericytes in other tissues due to their location and contractile nature. Pericytes wrap around the endothelium of capillaries and venules (34), serving as a frontline between the circulation and the parenchyma (34). Stark et al. (35) have reported that pericytes lining arterioles and capillaries in the skin navigate neutrophils to the site of inflammation through ICAM-1. However, this alone cannot explain the specificity of its effects on T cells and not neutrophils. Several lines of evidence suggest that VCAM-1 is essential in the $CD4^+$ T cell adhesion on hepatic sinusoidal walls (36, 37). Consistently, VCAM-1 expression in the sinusoid was induced by ConA and suppressed by DP1 stimulation on HSCs. Thus, DP1-mediated suppression of lymphocyte migration from the periportal space to the liver parenchyma could in part be due to decreased VCAM-1 expression by BW245C.

One tissue mechanism for the preventive actions of DP1 simulation of liver injury we found here is improvement of hepatic microcirculation. Alteration in hepatic

microcirculation has been shown in acute liver failure (2). TF, a potent inducer of coagulation pathway (25), is induced by TNF-α and IFN-γ in the liver upon ConA administration, neutralization of which protected mice from intrahepatic fibrin deposition and resultant hepatitis (21). ETs exert strong vasoactive actions through ET_A and ET_B receptors (38). HSCs strongly express ET_A (39), and contract in response to ET-1 during liver injury to narrow the sinusoidal lumen (2). Our study suggests that both sinusoidal constriction through ET-1 and sinusoidal hypercoagulation induced by TF are governed by HSCs and DP1 simulation ameliorates both.

DP1 stimulation suppresses immune-mediated liver injury such as ConA- and LPS/GalN-induced hepatitis, but not CCl_4-induced acute liver injury, although TNF-α is involved in all of the above models (40). Using mice deficient in both TNF receptor 1 and 2, Simeonova et al. showed that TNF-α mediates the induction of proinflammatory substances but not direct hepatocyte injury caused by CCl_4 (40). Our data is consistent with theirs, since BW245C inhibits ConA- and LPS/GalN-induced hepatitis, where TNF-α-dependent gene products play critical roles in liver injury, but not CCl_4-mediated hepatocyte injury, in which TNF-α is synthesized as a result from hepatocyte damage.

In this study, we also examined the effects of PG receptor deficiency other than DP1. PGs have been reported to exert hepato-protective roles. Cyclooxygenase-2 KO mice developed severe hepatitis upon ConA treatment compared with WT controls (41). Our study is consistent with this report, and suggests that PGD_2 is a principal PG mediating such an action. On the other hand, mice deficient in either EP3 or TP exhibited significantly ameliorated ConA-induced hepatitis. Since TP stimulation exacerbates sinusoidal disturbances by platelet activation and promotes leukocyte adhesion in LPS (42)- and TNF-α (43)-mediated liver injury, the phenotype of TP KO mice may be explained by the attenuated sinusoidal stagnation. On the other hand, the mechanism of the protective effect of EP3 deficiency on ConA–induced hepatitis remains to be elucidated.

In conclusion, by examining the effect of a DP1 agonist BW245C, we clarified the critical role of HSCs in liver injury that was scarcely explored before. Our data indicate that HSCs form a triad with KCs and LSECs and integrate actions of this complex at the gateway to liver inflammation. Precise molecular mechanism of this interaction and identification of molecules involved therein remain to be explored. Nonetheless, this

study thus provides an intriguing possibility that HSCs can be exploited as a target for development of a new therapy against various liver diseases.

Acknowledgements

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Author names in bold designate shared co-first authorship.

Figure legends

Figure 1. Exclusive expression of DP1 on HSCs and effect of a DP1 agonist BW245C on TNF-α and CCL2 mRNA expression by HSCs. (A, top) Co-staining of the mouse liver for DP1 and desmin. Shown are representatives of five samples per group. Bars, 50 μm. (A, bottom) Expression of liver cell markers and DP1 mRNA of liver cells isolated from untreated mice. Data show mean ± SD of three independent experiments. (B, top) Immunohistochemistry for vimentin and DP1 in the human liver. Serial sections of apparently normal part of human liver were stained for vimentin (left) or DP1 (right). Red arrows indicate signals for vimentin or DP1. Bars, 50 μm. Shown is a representative of two samples. (B, bottom) Correlation of mRNA expression of vimentin (*VIM*) and DP1 (*PTGDR*) of twelve human liver samples. (C) Effect of BW245C on TNF-α-induced *Tnf* expression in HSCs from wild-type mice and DP1-deficient (DP1 $^{-/-}$) mice. (D) Effect of BW245C on TNF-α-induced *TNF* (left) and *CCL2* (middle) expression, and effects on *ACTA2* expression (right) in primary human HSCs. (E, F) Effects of forskolin on TNF-α-induced *Tnf* expression by primary mouse HSCs (E) and *TNF* (F, left) and *CCL2* (F, middle) expression by human HSCs. Cells were treated with or without TNF-α in the presence of various concentrations of BW245C or forskolin for 1 hour except for *ACTA2* expression in (D), in which human

HSCs were treated with BW245C for 6 hours. (F, right) Effect of PKA inhibitors on suppression of *TNF* expression. Data are mean ± standard deviation (SD) of duplicate or triplicate wells and are representatives of at least two independent experiments. **, $P < 0.01$ and *, $P < 0.05$, compared with TNF-α and vehicle-treated group.

Figure 2. DP1 facilitates the resynthesis of IκBα and suppresses nuclear accumulation of p65 induced by TNF-α, and also inhibits JNK phosphorylation. Western blot (A) and densitometric analysis (B) for nuclear p65 and cytoplasmic IκBα proteins of primary human HSCs treated for 1 hour with vehicle or BW245C in the presence or absence of TNF-α. V, vehicle and B, BW245C. Lamin B and GAPDH were used as loading controls. Data are representatives of five experiments. (C) ELISA-based quantification of nuclear p65. Data are mean ± SD of five samples from two independent experiments. (D) QRT-PCR analysis of *NFKBIA* (IκBα) expression in primary human HSCs treated for 1 hour with vehicle or BW245C in the presence or absence of TNF-α. (E) Effect of cycloheximide (CHX) on DP1-mediated suppression of *TNF* expression. Cells were stimulated with TNF-α in the presence of vehicle or BW245C for 1 hour after pretreatment with CHX or vehicle. (F) Western blot and densitometric analysis for phosphorylated JNK (pJNK, left) and phosphorylated p38 (pp38, right) of primary

human HSCs treated for 10 minutes with vehicle or BW245C in the presence or absence of TNF-α. V, vehicle and B, BW245C. JNK and p38 were used as loading controls for pJNK and pp38, respectively. Data are representatives of five experiments.

Data are mean ± SD of triplicate wells and are representatives of at least two independent experiments. **, $P < 0.01$ and *, $P < 0.05$, compared with TNF-α and vehicle-stimulated group.

Figure 3. Effect of DP1 deficiency or DP1 stimulation on ConA-induced hepatitis. (A) Serum AST and ALT levels in ConA-induced hepatitis in wild-type and DP1 KO (DP1 $^{-/-}$) mice. Serum was collected from control non-injected mice or from ConA-injected mice 24 hours after the injection. Data are expressed as mean ± SD of six mice. WT, wild-type mice. (B) H&E staining (left and middle) and TUNEL staining (right) of livers collected 24 hours after ConA injection. Bars, 200 μm (H&E) or 100 μm (TUNEL). Data are representative of five mice (ConA-treated groups) or three mice (untreated groups). (B, right) Quantification of liver injury. Affected areas were measured on H&E stained specimen from five to eight livers under x100 magnification. *, $P < 0.05$, compared with ConA-treated wild-type mice. (C) Effects of BW245C treatment on serum AST and ALT levels of ConA-injected wild-type (left) and DP1 $^{-/-}$

(right) mice. ConA, 10 mg/kg, was injected i.v. and BW245C, 0, 0.3, 1.0 mg/kg (0, 1.0 mg/kg for DP1 $^{-/-}$ mice), in saline was injected i.p.15 minutes later, and serum was collected 24 hours later. The results are mean ± SD of at least five mice. Black bars, AST and gray bars, ALT. (D) Effects of BW245C treatment on liver histology (left) and quantification of liver injury (right). Livers were collected 24 hours after ConA injection from mice treated with vehicle or 1.0 mg/kg BW245C, and subjected to H&E staining (top) and TUNEL staining (bottom). Scale bars, 100 μm. Data are a representative of eight mice in each group. Affected areas of the liver from vehicle or BW245C-treated mice was quantified as in Fig. 3 B. Data are expressed as mean ± SD of eight mice. (E) Serum AST (left) and ALT (right) levels of bone marrow chimera mice subjected to ConA injection. Gray bars, without ConA injection. Black and white bars, ConA-injected mice treated with vehicle or BW245C (1.0 mg/kg), respectively. Data are expressed as mean ± SD of two mice (untreated group) or five to ten mice (ConA-treated groups). (F) Phosphorylated p65 immunostaining of the liver from vehicle- or BW245C-treated mice with or without ConA injection (left) and quantification of fluorescence intensity of hepatocyte nuclei (right). Fluorescence intensities of ten nuclei per group were measured using Image J software. The mean value of vehicle-treated group is subtracted from the value of each sample. Liver was

collected 8 hours after ConA administration. Bars, 100 μm (E) and 50 μm (F). pp65, phospho-p65. Data are representatives of two mice per group. *, $P < 0.05$, **, $P < 0.01$, ***, $P < 0.001$, compared with ConA-injected, vehicle-administered mice in each group. NS, non-significant.

Figure 4. Suppression by BW245C of ConA-induced increase in serum TNF-α level and TNF-α.production by sinusoidal cells. (A) Serum TNF-α concentration (top) and intrahepatic *Tnf* mRNA expression at 1 hour (bottom) in mice injected with ConA with or without BW245C treatment. Dotted line, BW245C-treated group and solid line, vehicle-treated group. (B) Production of TNF-α in the liver sinusoid in ConA-injected mice. The liver was collected 1 hour after ConA injection, and stained for TNF-α, F4/80 and desmin. Bars, 20 μm. (C) Suppression by BW245C of ConA-induced TNF-α production in the sinusoid. The liver was collected 1 hour after ConA injection from vehicle- or 1.0 mg/kg BW245C-treated mice, and stained for TNF-α. None, control mice without ConA injection. Results are representative of five mice. Bars, 50 μm. (D) Augmentation of TNF-α production by co-culture of NPCs and spleen cells, and its suppression by BW245C. TNF-α concentration in culture supernatants of NPCs alone (white), NPCs-spleen cell co-culture (gray), or spleen cells alone (black) are shown. (E)

Tnf expression of NPCs and spleen cells after co-culture separated by cell culture inserts. (F) *Tnf* expression of NPCs stimulated for 1 hour with conditioned medium from spleen cells stimulated with ConA for 24 hours. ***, $P < 0.001$,**, $P < 0.01$ and *, $P < 0.05$, compared with BW245C-administered mice (A, top) or compared with ConA-injected, vehicle-treated group (A, bottom, E, and F). Data are expressed as mean ± SD of ten mice (A, top), or mean ± SD of five wells and are representatives of at least two independent experiments (D-F).

Figure 5. (A, B) QRT-PCR analysis of expression of *Nos2, Edn1, F3* and *Vcam1* (A) and chemokines (B). The liver was collected at 3 hours (white bars) and 24 hours (black bars) from ConA-injected mice co-treated with vehicle (veh) or BW245C and from non-injected mice (-) (gray bars). RNA was extracted and used for analysis. Data are expressed as mean ± SD of five mice. *, $P < 0.05$, **, $P < 0.01$, and ***, $P < 0.001$, compared with veh. (C-F) Immunofluorescence staining for iNOS (C), TF (D), VCAM-1 (E), and CCL2 (F) in mouse liver treated with ConA and either BW245C or vehicle for 8 hours. Shown are representatives of five mice per group. Bars, 50 μm (C, D, and F) and 100 μm (E).

Figure 6. Clustering of $CD3^+CD4^+$ cells in the periportal area of the liver of ConA-injected , BW245C-treated mice. (A) Numbers of $CD3^+$ (top) or $Gr\text{-}1^+$ (bottom) cells in mouse livers at 24 hours after Con A injection with or without BW245C treatment. Data are expressed as mean ± SD of three to seven mice. (B) Immunofluorescence staining for CD3 (green) and Gr-1 (red) of livers collected 24 hours after treatment with either vehicle or BW245C alone or after ConA injection with either vehicle or BW245C. (C) The number of $CD3^+$- or $Gr\text{-}1^+$-cells in liver parenchyma. $CD3^+$- or $Gr\text{-}1^+$-cells were counted in 3 fields under x20 magnification of 3 livers per group. The number of these cells within a 100 μm-range from the blood vessel walls was excluded. Data are expressed as mean ± SD of three mice. (D, E) Co-staining for CD3 (red) and CD31 (green, D) or CD4 (green, E) of livers collected from Con A-injected, BW245C-treated mice at 24 hours after Con A-injection. Results are a representative of five mice.

Figure 7. Effects of BW245C on CCl_4 -or LPS/GalN-induced liver injury. (A and B) Serum AST and ALT levels of mice treated with CCl_4 (A) or LPS/GalN (B) and effects of BW245C. Mice were administered CCl_4 or LPS/GalN, and serum was collected at 24 and 6 hours, respectively. BW245C (1 mg/kg) or vehicle (veh) was administered 15

minutes before CCl_4 or LPS/GalN injection. (-), control mice without any treatment. *, $P < 0.05$, compared with vehicle-treated group. (C) H&E staining of the liver collected 6 hours after injection of LPS/GalN and either vehicle or BW245C. Bars, 200 μm. Data are a representative of five to ten mice per group. (D) Serum TNF-α levels at 1 hour of LPS/GalN-injected mice treated with either vehicle or BW245C. Data are expressed as mean ± SD of five mice. *, $P < 0.05$, compared with vehicle-treated group. (E) QRT-PCR analysis of livers from mice treated with LPS/GalN and BW245C or vehicle for 1 hour. *, $P < 0.05$, compared with vehicle-treated group. Data are expressed as mean ± SD of five mice.

Figure 8. Schematic diagram of the hepato-protective effects of BW245C treatment in ConA-induced hepatitis.

Figure 1

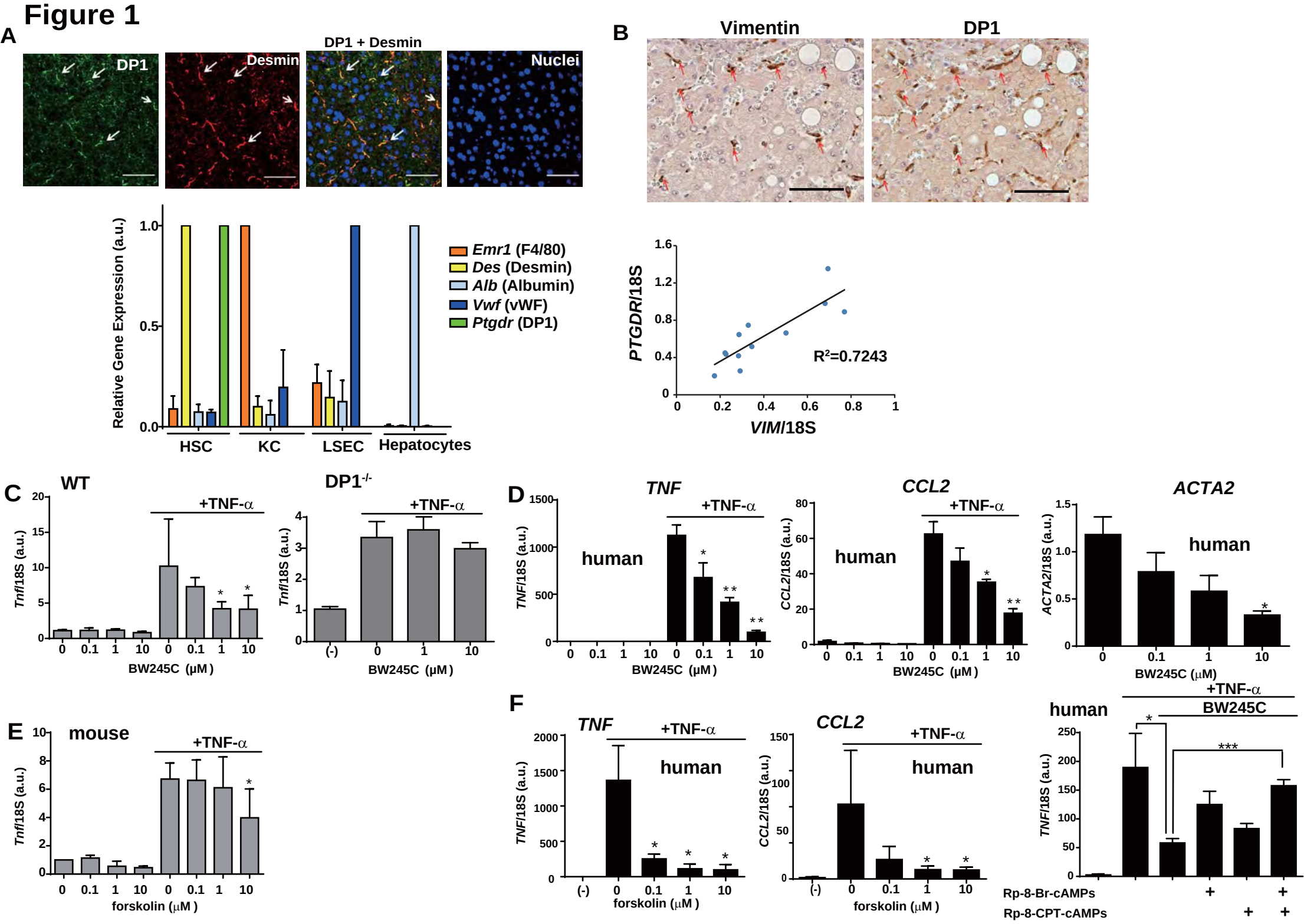

A
DP1
Desmin
DP1 + Desmin
Nuclei
B
Vimentin
DP1
Relative Gene Expression (a.u.)
Emr1 (F4/80)
Des (Desmin)
Alb (Albumin)
Vwf (vWF)
Ptgdr (DP1)
HSC
KC
LSEC
Hepatocytes
PTGDR/18S
VIM/18S
R²=0.7243
C
WT
DP1-/-
+TNF-α
Tnf/18S (a.u.)
BW245C (μM)
D
TNF
CCL2
ACTA2
human
E
mouse
forskolin (μM)
F
Rp-8-Br-cAMPs
Rp-8-CPT-cAMPs

Figure 2

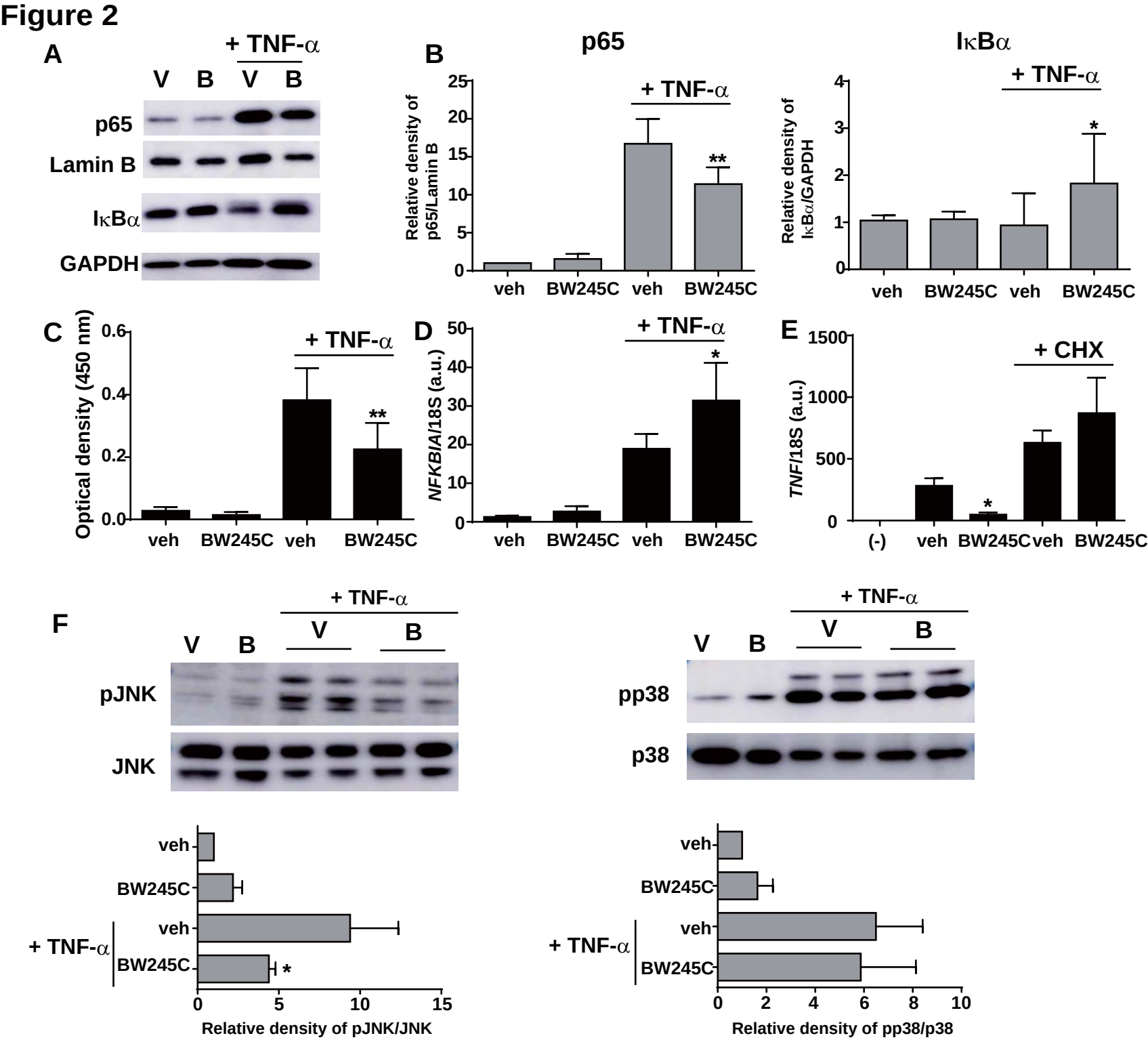
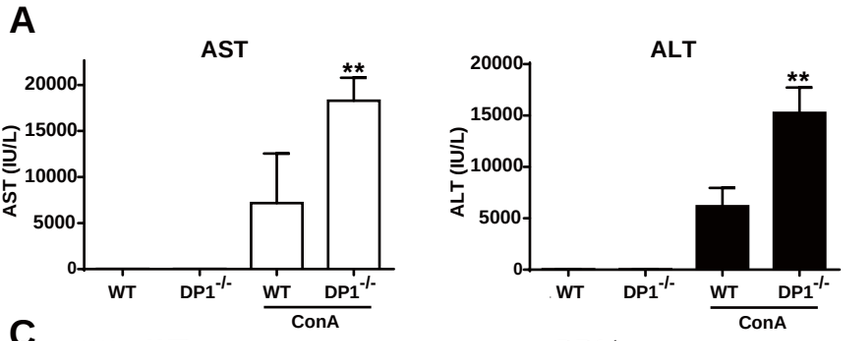
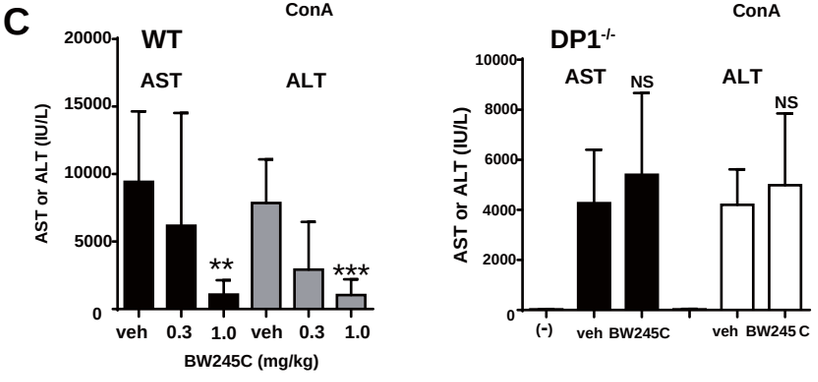
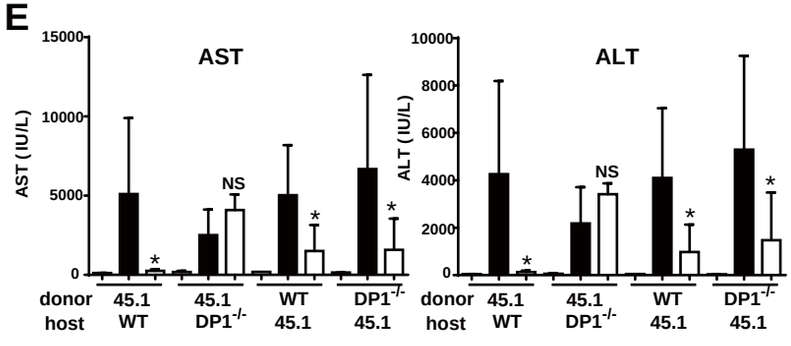
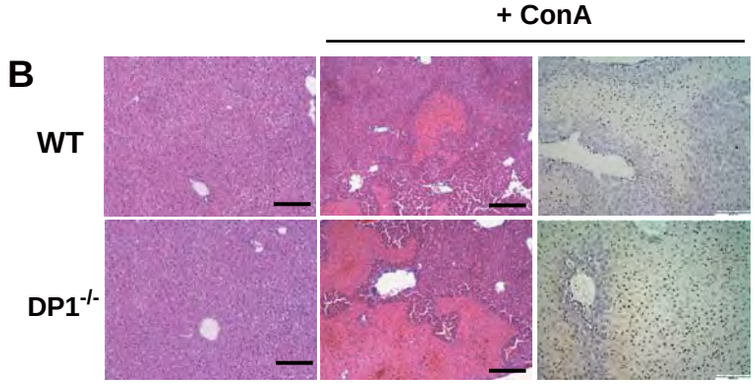

A
+ TNF-α
V B V B
p65
Lamin B
IκBα
GAPDH
B
p65
+ TNF-α
Relative density of p65/Lamin B
25
20
15
10
5
0
**
veh BW245C veh BW245C
IκBα
+ TNF-α
Relative density of IκBα/GAPDH
4
3
2
1
0
*
veh BW245C veh BW245C
C
Optical density (450 nm)
0.6
0.4
0.2
0.0
+ TNF-α
**
veh BW245C veh BW245C
D
NFKBIA/18S (a.u.)
50
40
30
20
10
0
+ TNF-α
*
veh BW245C veh BW245C
E
TNF/18S (a.u.)
1500
1000
500
0
+ CHX
*
(-) veh BW245C veh BW245C
F
+ TNF-α
V B V B
pJNK
JNK
+ TNF-α
V B V B
pp38
p38
veh
BW245C
+ TNF-α
veh
BW245C
*
0 5 10 15
Relative density of pJNK/JNK
veh
BW245C
+ TNF-α
veh
BW245C
0 2 4 6 8 10
Relative density of pp38/p38

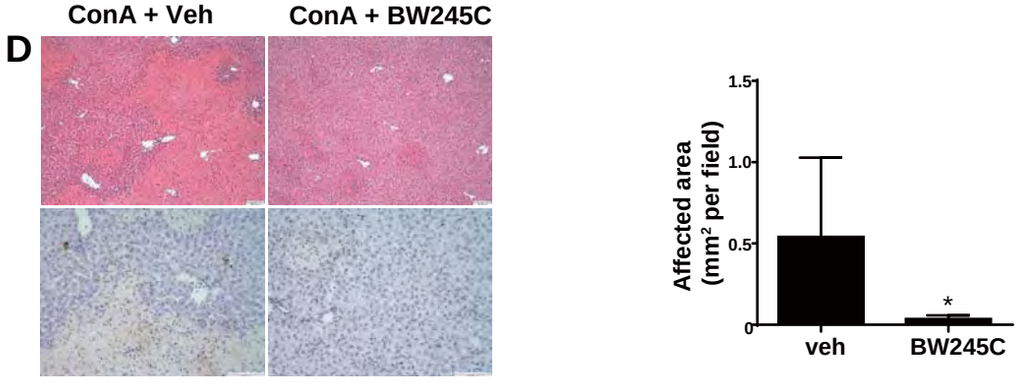
Figure 3


A
AST
ALT
AST (IU/L)
ALT (IU/L)
20000
15000
10000
5000
0
**
WT
DP1-/-
WT
DP1-/-
ConA


C
WT
AST
ALT
AST or ALT (IU/L)
**
***
veh
0.3
1.0
veh
0.3
1.0
BW245C (mg/kg)
DP1-/-
AST
ALT
NS
NS
AST or ALT (IU/L)
(-)
veh
BW245C
veh
BW245C


E
AST
ALT
AST (IU/L)
ALT (IU/L)
NS
NS
*
donor
host
45.1
WT
45.1
DP1-/-
WT
45.1
DP1-/-
45.1


B
+ ConA
WT
DP1-/-
Affected area
(mm² per field)
1.5
1.0
0.5
0
*
WT
DP1-/-


D
ConA + Veh
ConA + BW245C
Affected area
(mm² per field)
1.5
1.0
0.5
0
*
veh
BW245C

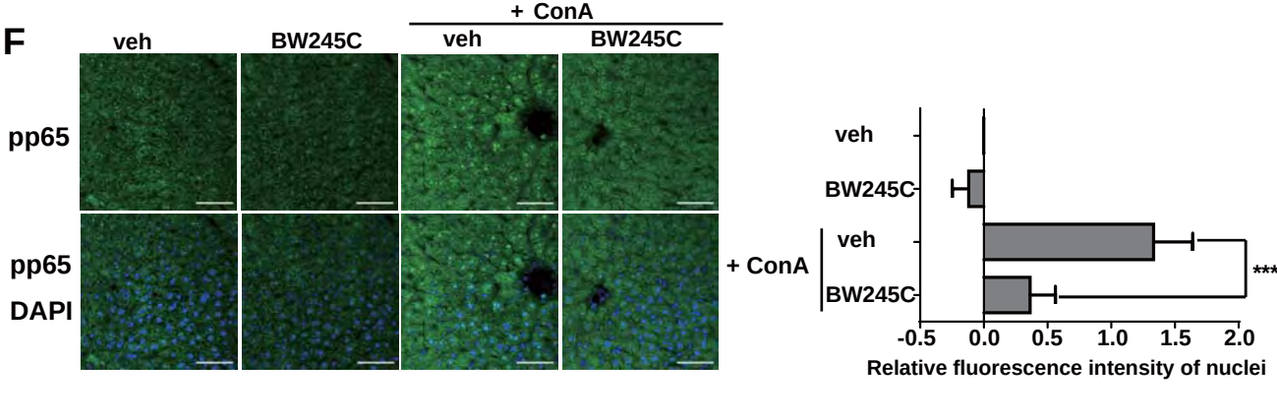
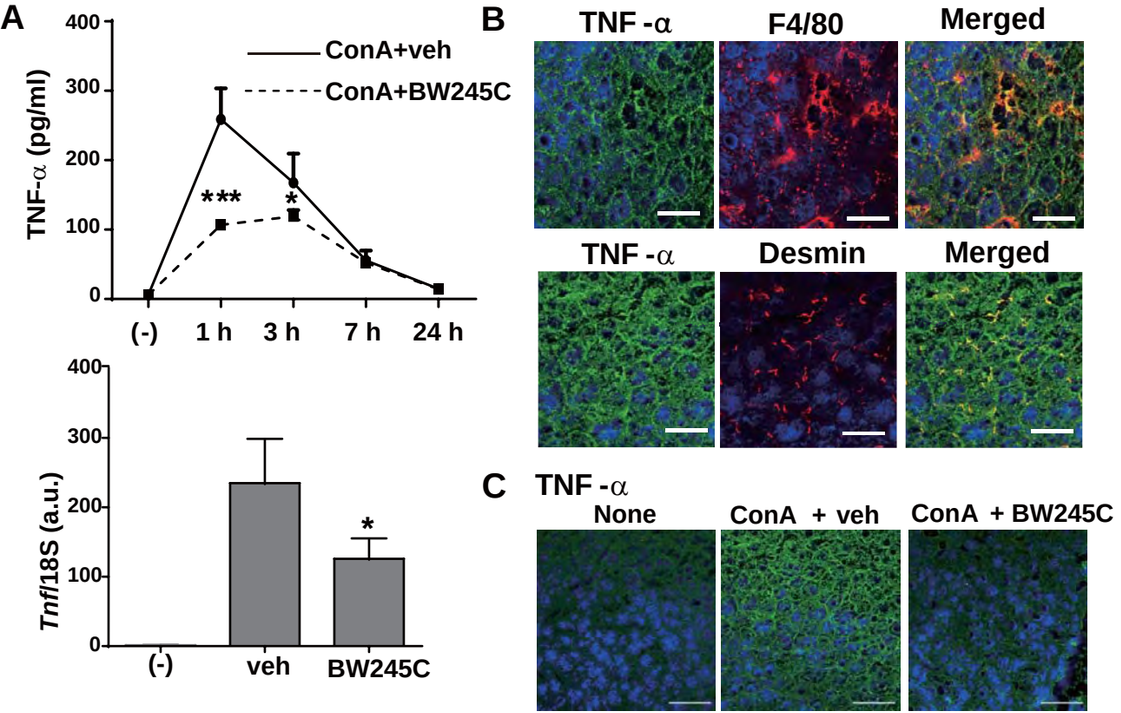
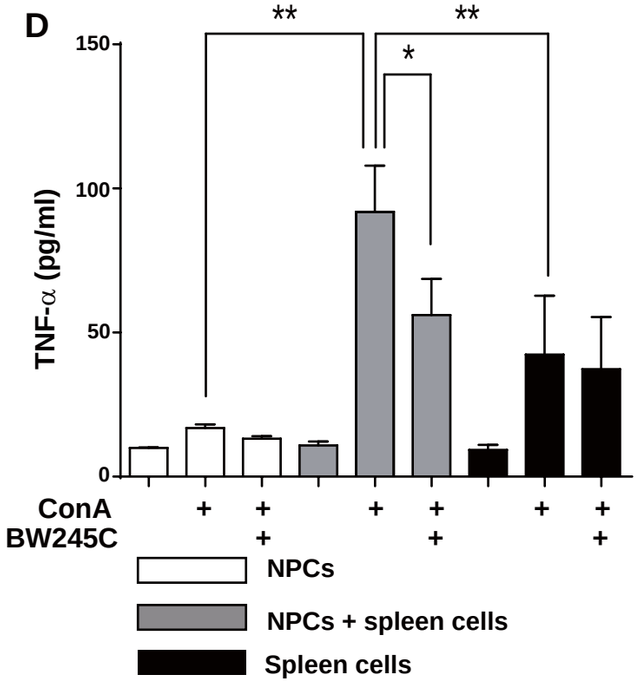
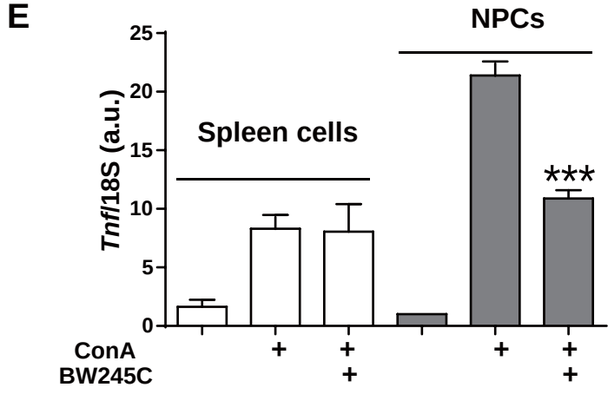

F
+ ConA
veh
BW245C
veh
BW245C
pp65
pp65
DAPI
+ ConA
veh
BW245C
veh
BW245C
***
-0.5
0.0
0.5
1.0
1.5
2.0
Relative fluorescence intensity of nuclei

Figure 4


A
TNF-α (pg/ml)
ConA+veh
ConA+BW245C
***
*
(-)
1 h
3 h
7 h
24 h
Tnfl/18S (a.u.)
*
(-)
veh
BW245C

B
TNF -α
F4/80
Merged
TNF -α
Desmin
Merged
C
TNF -α
None
ConA + veh
ConA + BW245C


D
**
**
*
TNF-α (pg/ml)
ConA
BW245C
NPCs
NPCs + spleen cells
Spleen cells


E
NPCs
Spleen cells
Tnfl/18S (a.u.)
***
ConA
BW245C

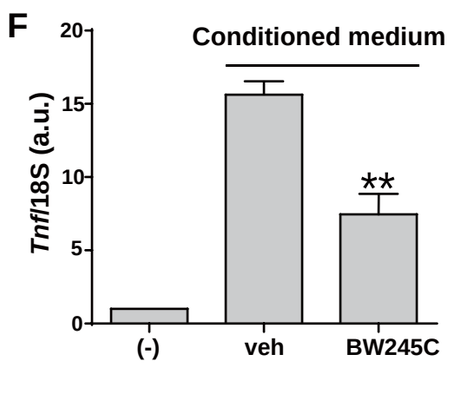
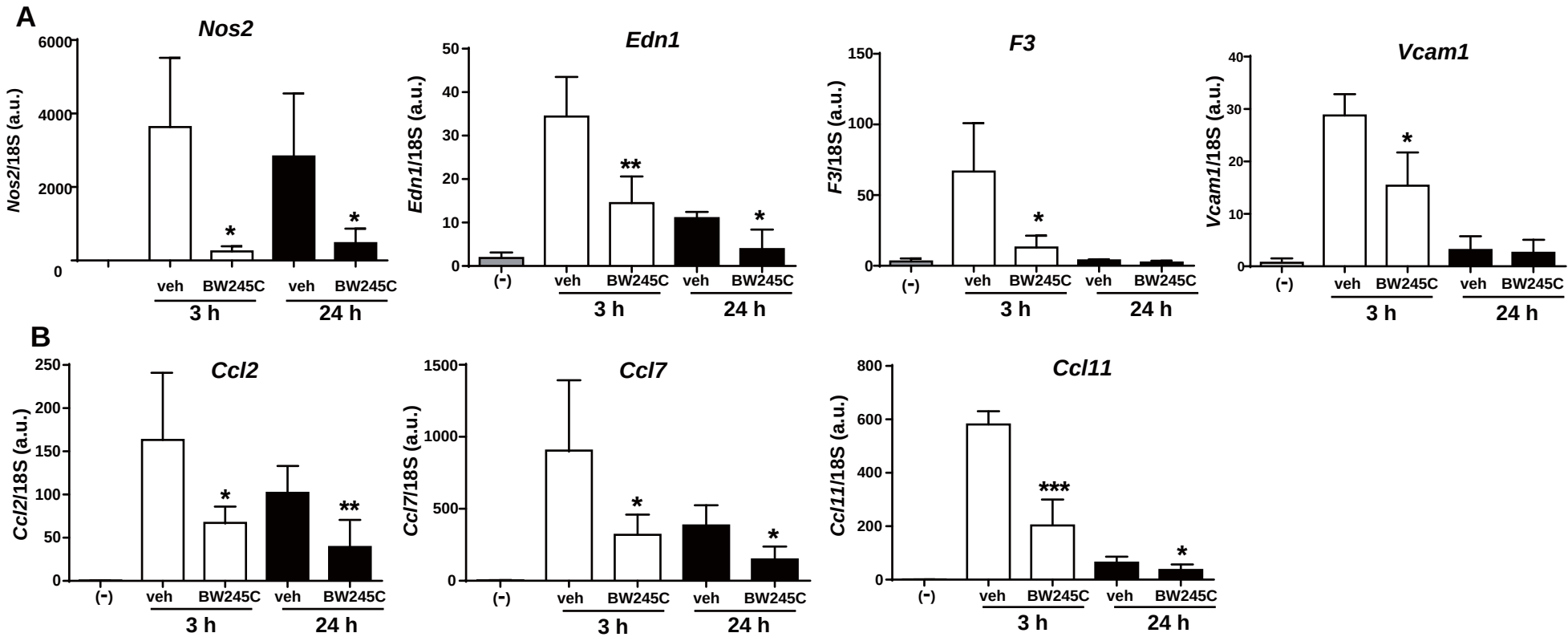

F
Conditioned medium
Tnfl/18S (a.u.)
**
(-)
veh
BW245C

Figure 5


A
Nos2
Nos2/18S (a.u.)
6000
4000
2000
0
*
*
veh
BW245C
veh
BW245C
3 h
24 h
Edn1
Edn1/18S (a.u.)
50
40
30
20
10
0
**
*
(-)
veh
BW245C
veh
BW245C
3 h
24 h
F3
F3/18S (a.u.)
150
100
50
0
*
(-)
veh
BW245C
veh
BW245C
3 h
24 h
Vcam1
Vcam1/18S (a.u.)
40
30
20
10
0
*
(-)
veh
BW245C
veh
BW245C
3 h
24 h
B
Ccl2
Ccl2/18S (a.u.)
250
200
150
100
50
0
*
**
(-)
veh
BW245C
veh
BW245C
3 h
24 h
Ccl7
Ccl7/18S (a.u.)
1500
1000
500
0
*
*
(-)
veh
BW245C
veh
BW245C
3 h
24 h
Ccl11
Ccl11/18S (a.u.)
800
600
400
200
0
***
*
(-)
veh
BW245C
veh
BW245C
3 h
24 h

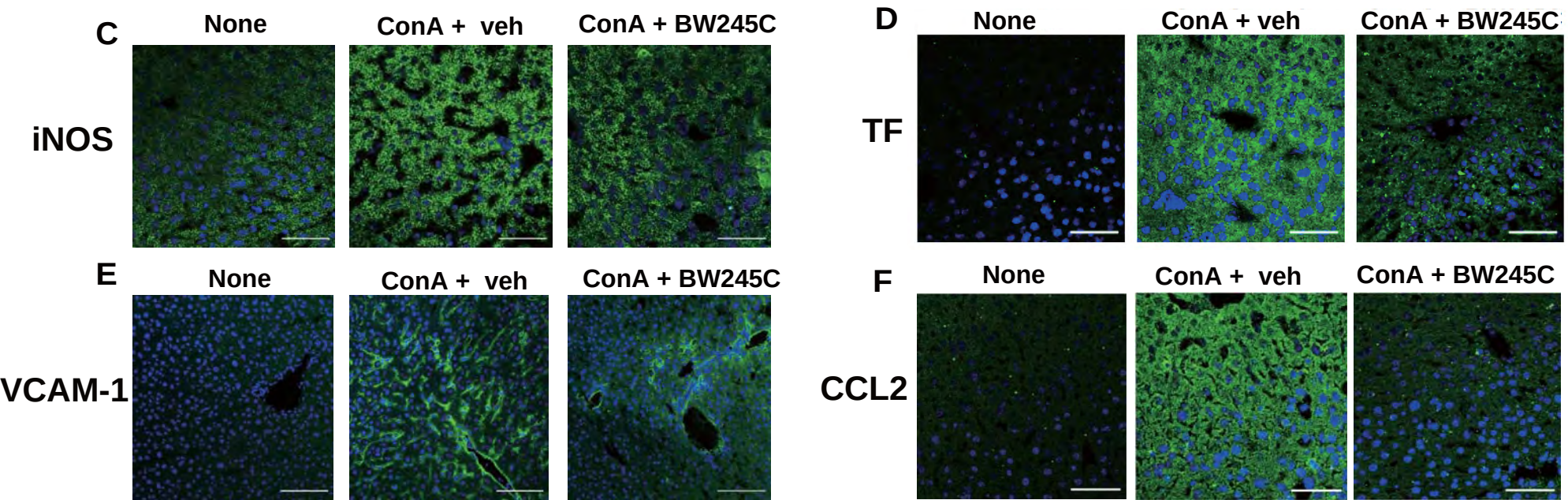
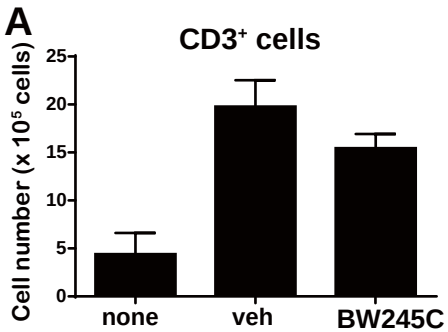
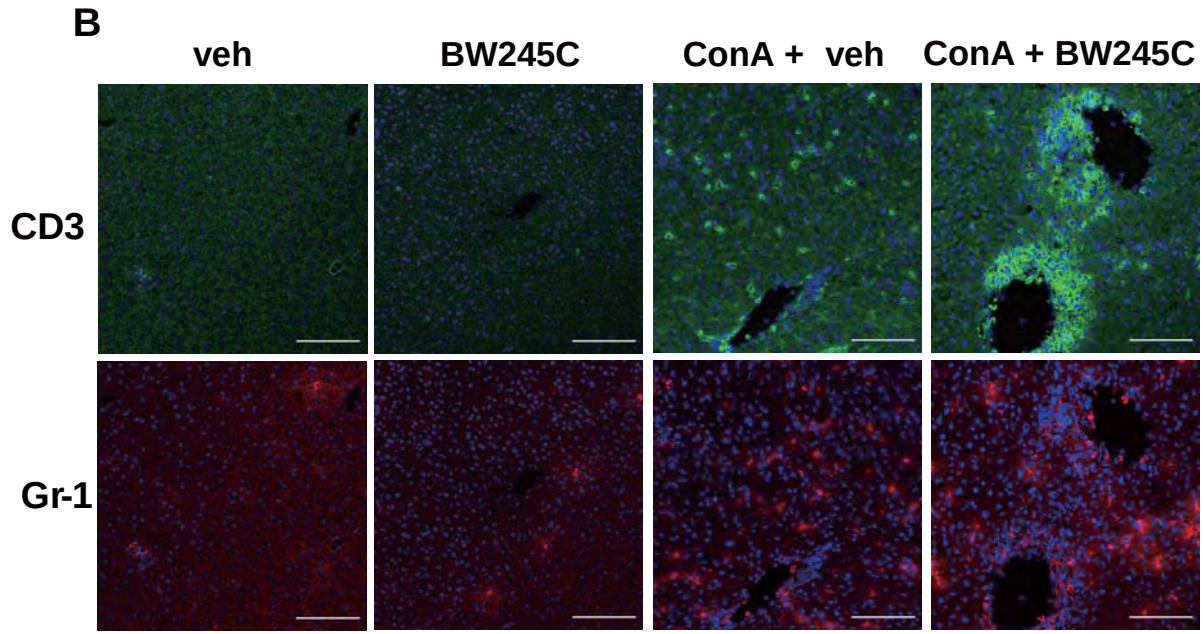
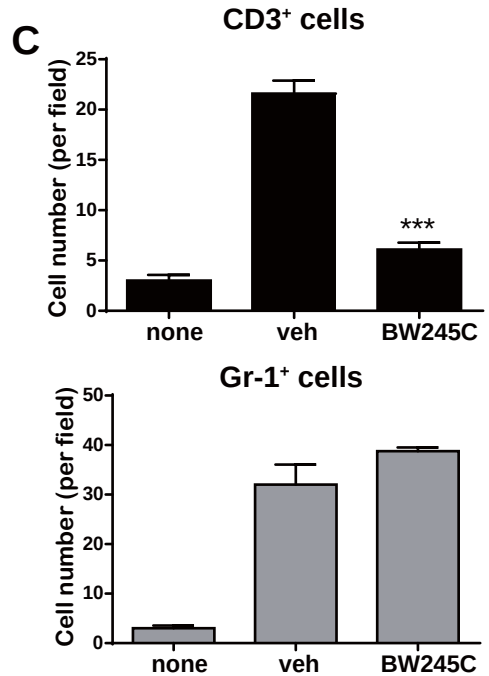
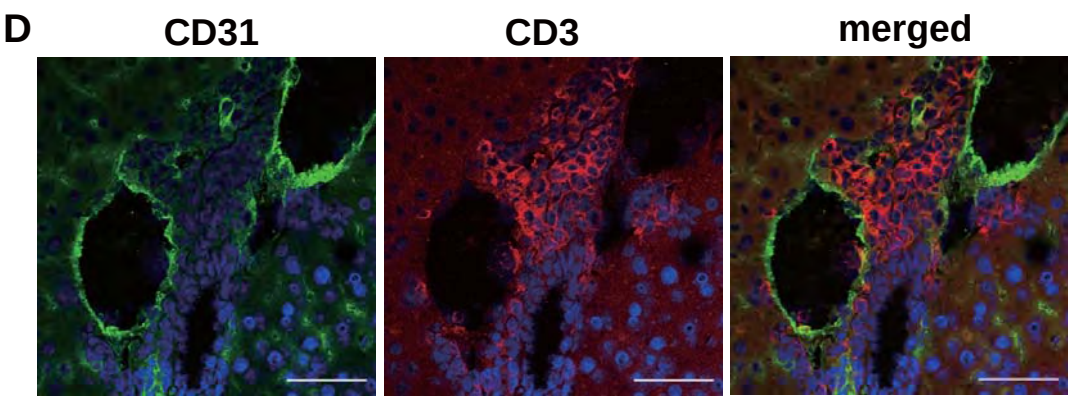

C
None
ConA + veh
ConA + BW245C
iNOS
D
None
ConA + veh
ConA + BW245C
TF
E
None
ConA + veh
ConA + BW245C
VCAM-1
F
None
ConA + veh
ConA + BW245C
CCL2

Figure 6


A
CD3⁺ cells
Cell number (x 10⁵ cells)
25
20
15
10
5
0
none
veh
BW245C
Gr-1⁺ cells
Cell number (x 10⁵ cells)
15
20
10
0
none
veh
BW245C


B
veh
BW245C
ConA + veh
ConA + BW245C
CD3
Gr-1


C
CD3⁺ cells
Cell number (per field)
25
20
15
10
5
0
***
none
veh
BW245C
Gr-1⁺ cells
Cell number (per field)
50
40
30
20
10
0
none
veh
BW245C


D
CD31
CD3
merged

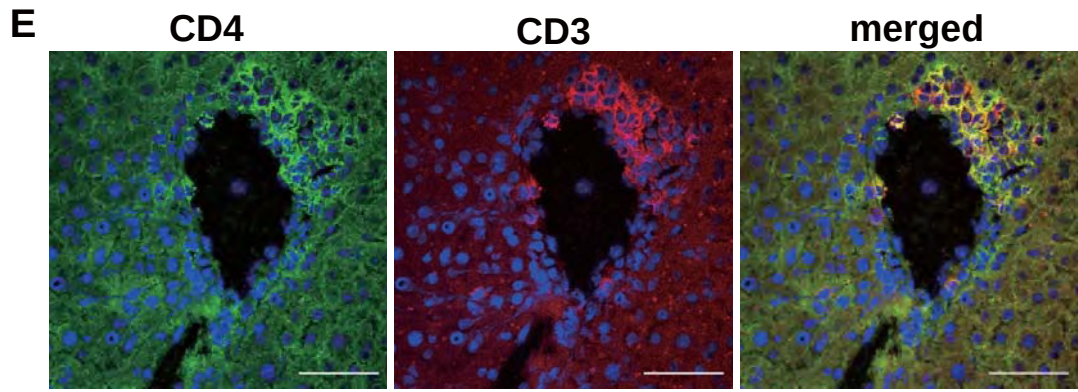

E
CD4
CD3
merged

Figure 7.

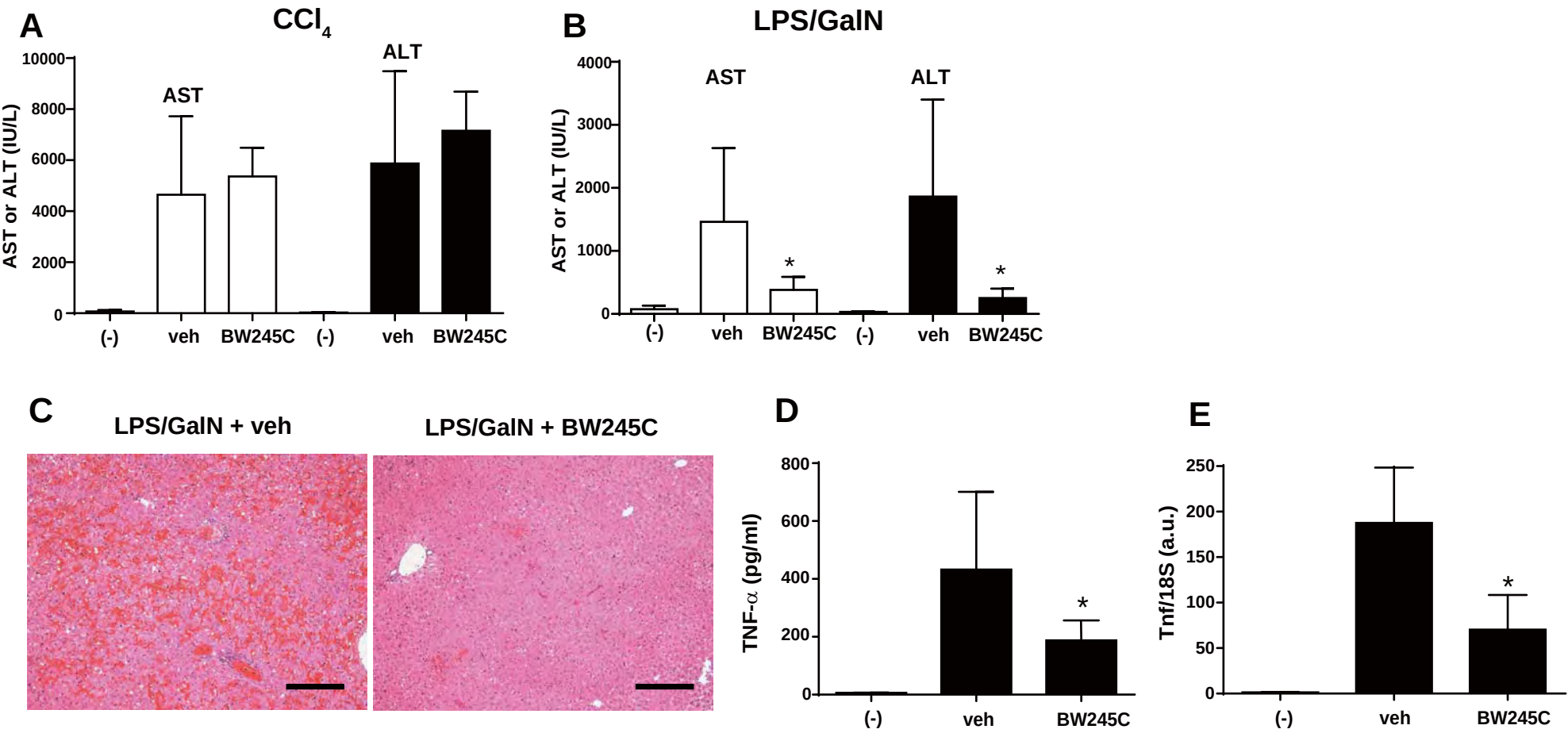
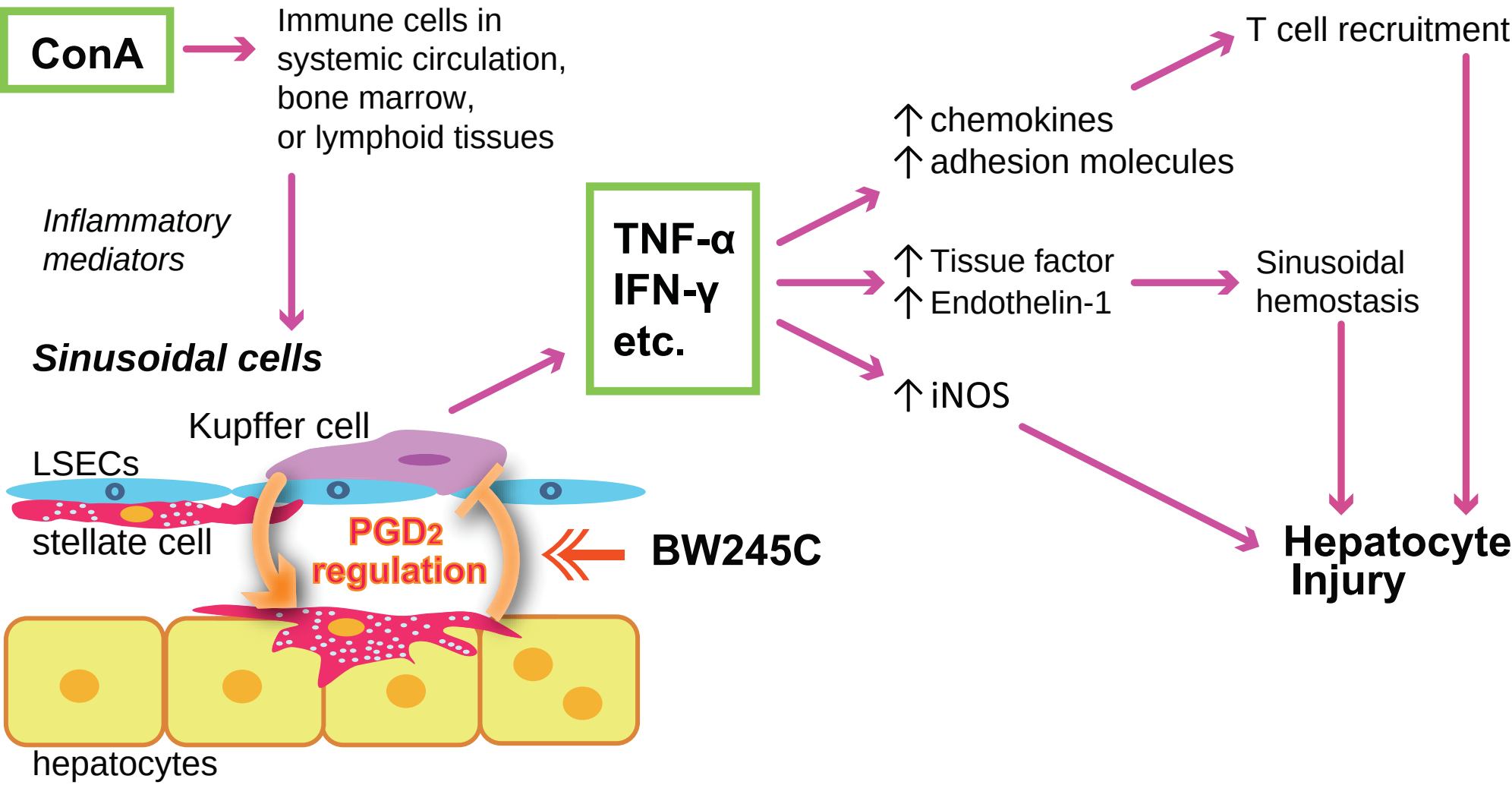

A
CCl4
AST
ALT
AST or ALT (IU/L)
10000
8000
6000
4000
2000
0
(-)
veh
BW245C
(-)
veh
BW245C
B
LPS/GalN
AST
ALT
AST or ALT (IU/L)
4000
3000
2000
1000
0
*
*
(-)
veh
BW245C
(-)
veh
BW245C
C
LPS/GalN + veh
LPS/GalN + BW245C
D
TNF-α (pg/ml)
800
600
400
200
0
*
(-)
veh
BW245C
E
Tnf/18S (a.u.)
250
200
150
100
50
0
*
(-)
veh
BW245C

Figure 8. Schematic diagram of the hepato-protective effects of BW245C treatment in ConA-induced hepatitis.



HEP-15-0195.R2

Supplemental Methods

Bone marrow transplantation. Bone marrow transplantation was performed essentially as described (1), with modifications. Since only 40~50% of KCs are replaced with donor-derived cells 3 months after BMT (2), KCs of recipient mice were depleted by administering mice 200 μl clodronate liposome the day before the total body irradiation. They were then sublethally irradiated (9.5 Gy) in a single fraction by a ^{137}Cs γ-ray using a Gammacell 40 Exactor (MDS Nordion International Inc., Ottawa, Canada). Bone marrow cells were collected from the femurs and tibias of donors, washed, and passed through a 70 μm-nylon mesh to remove debris. Cells were then washed and resuspended in Dulbecco's PBS at a concentration of 5×10^7 cells/ml. Recipients were injected with 10^7 bone marrow cells via lateral tail vein. After 12 weeks, mice were used for experiments.

Culture of human HSCs. Human HSCs were purchased from Sciencell Research Laboratories (Carlsbad, CA). They were cultured in Stellate Cell Medium supplemented with Stellate Cell Growth Supplement (Sciencell Research Laboratories), 2 % FCS, 100 U/ml penicillin, and 0.1 mg/ml streptomycin. On confluence, the cells were dissociated and plated at $5x10^4$/well in a 24-well plate (Corning, Corning, NY) for QRT-PCR or at

$5x10^5$/well in a 6-well plate (Corning). They were cultured for 24 hours in the above medium and serum-starved for one day. Medium was removed the next day, and the cells were treated with reagents in fresh serum-free medium for the indicated time periods. The cells were then harvested for RNA or protein extraction for QRT-PCR or Western blot, respectively.

Isolation of murine HSCs and other liver cells. Murine HSCs were isolated as described previously (3). In brief, liver was digested by two-step protocol using collagenase D and pronase E (Roche, Mannheim, Germany). The dispersed cells was filtered through a 70 μm-nylon mesh (BD Falcon, Becton Drive, NJ) and centrifuged at 50x *g* for 1 minute to recover NPC-containing supernatants and pelleted hepatocytes. HSCs, KCs, and LSECs were isolated by discontinuous density gradient centrifugation (24-17-11.5-8.4 %) with Optiprep solution (Axis Shield, Dundee, UK) diluted with HBSS (-). HSCs were collected from the interface between HBSS (-) and 8.4% and suspended in DMEM medium (Invitrogen) supplemented with 10% FCS, 100 U/ml penicillin, and 0.1 mg/ml streptomycin, plated at 5×10^5/well in a 24 well-plate (IWAKI, Tokyo, Japan) and cultured for 2 days. They were then serum-starved for 24 hours and medium was changed. Reagents and cytokines were then added and incubated in a CO_2

incubator for the indicated time periods. KCs and LSECs were collected from the interface between 8.4 % and 11.5 % layers and isolated by differential plating.

Isolation of liver NPCs and protocol for co-culture experiments

For the isolation of liver NPCs, liver was perfused with 5 ml of cold PBS (-) and dissected. Then, it was minced with a scalpel in Krebs-Ringer buffer containing 500 U/ml collagenase IV (Sigma), 2 mM $CaCl_2$, 2 mM $MgCl_2$, and 150 U/ml DNase I (Roche), and incubated at 37 °C for 30 minutes. Liver NPC-containing supernatants were collected and pelleted, washed, and resuspended in 12.6% iodixanol (Axis-Shield). HBSS was layered on the top of the cell suspension, which was centrifuged at 2,100 x *g* for 30 minutes at 4 °C. NPCs were collected at the interface, washed and suspended in RPMI1640 medium (Invitrogen, Carlsbad, CA) supplemented with 10% FCS, 100 U/ml penicillin, 0.1 mg/ml streptomycin, and 100 μM indomethacin (Nacalai Tesque, Kyoto, Japan), plated at 1×10^6/well in a 24 well-plate (IWAKI) and cultured overnight. The spleen was isolated and crushed on a 70 μm-cell strainer in the above RPMI1640 medium. The resultant cell suspension was centrifuged and the cell pellet was subjected to hemolysis to remove erythrocytes. Remaining spleen cells were re-suspended in RPMI1640 medium. The spleen cells were cultured either alone or added to the NPC

culture at 1×10^6/well. In some experiments, spleen cells were cultured on a cell culture insert (BD Falcon) with or without NPCs in the lower chamber. ConA, 2 μg/ml, was added and the cells were cultured for 24 hours. BW245C, 10 μM, was added 5 min prior to ConA addition. The culture supernatants were collected for ELISA.

In experiments using the conditioned medium from spleen cells, cells were collected from the spleen and stimulated with 10 μg/ml of ConA for 24 hours. Cells were pelleted and the supernatants (conditioned medium) were stored at -80 °C until use. NPCs were plated at 1×10^6/well in a 24 well-plate and stimulated with the conditioned medium for one hour in the presence or absence of 10 μM BW245C. NPCs were then subjected to QRT-PCR.

Histological analyses. For fluorescent immunostaining, liver samples were embedded in Tissue-Teck (Sakura Finetek, Tokyo, Japan) filled with OCT compound (Sakura Finetek) and snap-frozen in liquid nitrogen. Frozen sections of 5 μm in thickness were prepared. They were then fixed with either cold acetone or 4 % paraformaldehyde and incubated with PBS (-) containing 5 % BSA to block non-specific staining. The sections were incubated for 60 min at room temperature with first antibodies in Can Get Signal

Immunostain (Toyobo, Osaka, Japan), were washed three times in PBS(-), and incubated with secondary antibodies in Can Get Signal Immunostain. The sections were counterstained with Hoechst 33342 (Invitrogen) and mounted in Prolong Gold Antifade (Invitrogen). For HPGDS staining, sections were fixed in cold acetone, stained for HPGDS using TSA Plus Cyanine 3 System (Perkin Elmer, Waltham, MA) according to the manufacturer's instructions, and then stained for F4/80. For desmin staining, sections were first stained for desmin using M.O.M. kit (Vector Laboratories, Burlingame, CA) and signals were detected with Alexa Fluor 594-conjugated streptavidin (Molecular Probes, Carlsbad, CA). Counterstaining for the nuclei was done with DAPI. Stained sections were observed using LSM 710 (Carl Zeiss, Jena, Germany) and images were acquired and processed with ZEN 2010 software (Carl Zeiss). For H&E staining, the liver was fixed in 10% formalin, and embedded in paraffin. Paraffin blocks were sectioned at 7 μm and stained with hematoxylin and eosin. TUNEL staining was performed as follows. Briefly, after deparaffinization and Proteinase K treatment (10 μg/ml for 15 minutes) of paraffin-embedded sections, endogeneous peroxidase activity was blocked with 0.3% H_2O_2 in methyl alcohol for 30 minutes. Sections were washed in PBS (-) and mounted with 5 μl TdT Enzyme (Takara Bio, Japan) and 45 μl Labeling Safe Buffer (Takara Bio) for 1 hour at 37 °C, followed by

washes in PBS (-). HRP-conjugated anti-FITC antibody (Takara Bio) was applied for 30 min at 37 °C. Coloring reaction was carried out with DAB and nuclei were counterstained with hematoxylin. Images were acquired using a BX50 microscope (OLYMPUS, Tokyo, Japan) and affected areas in a section were measured using ImageJ software. For immunohistochemistry of human liver, liver preparation was fixed in 10% formalin, and embedded in paraffin. Paraffin blocks were sectioned at 4 μm and serial sections were used for experiments. After deparaffinization and citrate buffer treatment (pH 6.0, 120 °C for 20 minutes), samples were blocked with Protein Block, Serum-Free (DAKO, Santa Clara, CA). The samples were then incubated overnight at 4 °C with first antibodies diluted in Protein Block, Serum-Free. The samples were washed three times in TBS. Incubation with the secondary antibody and 3,3′-Diaminobenzidine staining were performed using Histofine Simple Stain System (Nichirei Biosciences, Tokyo, Japan) according to the manufacturer's instructions. The sections were counterstained with hematoxylin and mounted in Softmount 550 (Wako, Osaka, Japan).

QRT-PCR. Total RNA was collected from cultured murine and human HSCs using RNeasy Plus Micro Kit and RNeasy Plus Mini Kit (Qiagen, Hilden, Germany), respectively. For extraction of RNA from the liver, frozen liver was cut into pieces, put

into 1 ml Buffer RLT (Qiagen), and homogenized at 3000 rpm for 30 seconds with Polytron PT2100S (KINEMATICA Inc.). Total RNA was obtained from liver samples with RNeasy mini kit (Qiagen). RNA was then reverse-transcribed to cDNA by using the PrimeScript RT reagent kit (Perfect Real Time) (Takara Bio). QRT-PCR was then performed in SYBR Premix Ex Taq (Perfect Real Time) (Takara Bio) using LightCycler 480 (Roche). The expression of mRNA is represented as fold increase ($2^{-\Delta\Delta Ct}$), where $\Delta\Delta Ct$ = [ΔCt (sample)]-[ΔCt (unstimulated sample)], and ΔCt = [Ct (target gene)]-[Ct (18S)].

DNA microarray. Mice were injected with 10 mg/kg ConA and 1.0 mg/kg BW245C or vehicle and livers were sampled 3 and 24 hours later (n = 5). Non-treated livers (n = 5) were also sampled. Liver total RNA was isolated as described above and sent to Takara Bio for further processing of RNA and analysis. Briefly, Cyanine-3 labeled cRNA was prepared from 0.1 μg total RNA using the Low Input Quick Amp Labeling Kit (Agilent Technologies, Santa Clara, CA) according to the manufacturer's instructions, followed by RNeasy column purification (QIAGEN). First, 0.6 μg of Cyanine 3-labelled cRNA was fragmented at 60°C for 30 minutes in a reaction volume of 55 μl according to the manufacturer's instructions. On completion of the fragmentation reaction, 55 μl of 2x

Agilent hybridization buffer was added to the fragmentation mixture and hybridized to Agilent SurePrint G3 Mouse GE 8x60K for 17 hours at 65°C in a rotating Agilent hybridization oven. After hybridization, arrays were washed and dried immediately by brief centrifugation. Slides were then scanned immediately on the Agilent DNA Microarray Scanner (G2565CA) using one color scan setting for 8 x 60k array slides (Scan Area 61x21.6 mm, Scan resolution 3μm, Dye channel is set to Green PMT). The scanned images were analyzed with Feature Extraction Software 10.7.3.1 (Agilent Technologies) using default parameters to obtain background subtracted and spatially detrended processed signal intensities. Signal intensities were scaled by adjusting the average intensity value to 2500. For comparison of gene expression, False Discovery Rate (FDR) was calculated according to Benjamini-Hochberg method and probe sets with FDR ≤ 0.05 were considered statistically significant. Data mining was performed using Gene Spring GX 12.6 software (Agilent Technologies). Data were subjected to statistical analysis using Student's T test (Welch). P values less than 0.05 were considered statistically significant. Fold change threshold were 2 or more / 0.5 or less. The data have been deposited in National Center for Biotechnology Information's Gene Expression Omnibus, and is accessible through GEO series accession no. GSE45413.

ELISA. Blood was collected from the orbital sinus at indicated times after treatment. After centrifugation of collected blood (1000g for 20 minutes), serum was collected and stored at -80 °C until use. Culture supernatants were collected, spun at 500g for 5 minutes, and stored at -80 °C. Mouse TNF-α or IFN-γ ELISA (R&D Systems, Minneapolis, MN) were performed according to the manufacturer's instructions.

Western blot. Primary human HSCs were collected with a cell scraper after treatment with reagents. For the detection of p65, IκBα, lamin B, and GAPDH, nuclear and cytoplasmic proteins were isolated using Nuclear Extract Kit (Active Motif, Carlsbad, CA). SDS sample buffer (Nacalai Tesque) were added to protein solutions and heated at 99°C for 5 minutes. SDS-PAGE was performed from 10 μg of proteins and they were transferred on a PVDF membrane using iBlot (Invitrogen). Subsequent procedures, including blocking, treatment with first and secondary antibodies, and washing were performed with iBind (Invitrogen) according to the manufacturer's instructions. For the detection of pJNK, JNK, pp38, and p38, whole cell lysates were collected using Nuclear Extract Kit. Protein solutions were heated, and subjected to SDS-PAGE and transferred to PVDF membranes as described above. Membranes were then blocked with Blocking One (Nacalai Tesque) for 20 minutes and treated with primary antibodies diluted in Can

Get Signal Solution 1 (Toyobo). After three washes with TBS containing 0.1% Polyoxyethylene (20) sorbitan monolaurate (TBST), membranes were incubated with secondary antibodies diluted in Can Get Signal Solution 2 (Toyobo). They were washed three times in TBST. For each protein, chemiluminescent detection was done with Chemi Lumi One system (Nacalai Tesque) and the bands were visualized using Amersham Imager 600 (GE healthcare, Little Chalfont, UK). Band density was measured with Image J software. For the detection of lamin B, GAPDH, JNK, and p38, membranes were incubated in WB Stripping Solution Strong (Nacalai Tesque) for 30 minutes at 37 °C, washed, and treated with antibodies as described above.

NF-κB activity assay. Nuclear protein binding to a consensus NF-κB oligonucleotide was determined using an ELISA-based assay (TransAm p65; Active Motif, Carlsbad, CA). Nuclear extracts were prepared as described in Western Blot section and 2 μg of nuclear protein was loaded to each well. Absorbance was read at 450 nm and the value of blank well was subtracted from the data of measured samples.

Flow cytometry. Liver NPCs were collected as described above. After the cells were incubated with 10 μg/ml anti-CD16/32 antibody (Biolegend) for 15 minutes on ice and

washed, they were incubated with fluorochrome-conjugated antibodies for 30 minutes on ice, washed twice and analyzed by flow cytometry using a LSR Fortessa (BD Biosciences). Data analysis was performed using FlowJo software (Tree Star).

Intravital Microscopy. Hepatic microcirculation was visualized essentially as described (4, 5). Briefly, animals anesthetized with pentobarbital sodium (50 mg/kg, i.p.) were prepared for in vivo fluorescence microscopy 6 hours after ConA injection. For contrast enhancement of the plasma, FITC-labeled dextran (Sigma) was administered (4 mg/kg, i.v.). The hepatic microcirculation was observed at the surface of the liver using a fluorescence microscope (ECLIPSE FN1, upright type; Nikon, Tokyo, Japan) with a 100 W-mercury lamp for epi-illumination. The microscopic images were obtained with an objective lens (20x/0.75 N.A. or 40x/0.95 N.A.; Nikon). Images of the hepatic microcirculation were recorded with a CCD camera (Evolve 512, Photometrics, Tokyo, Japan) and image analysis software (StreamPix, Norpix, Canada). The blood perfusion through the sinusoids was evaluated by counting the number of sinusoids exhibiting blood flow. The number of perfused sinusoids was expressed as a percentage of total sinusoids in a field of view. For the visualization of leukocytes, GFP mice were injected with ConA and vehicle or BW245C. A leukocyte was defined as

adhering to the sinusoidal wall if it remained stationary for at least 30 seconds, and the number of leukocytes adhering to the endothelial lining of sinusoids was calculated per field.

Intracellular Ca^{2+} assay. Human HSCs cultured in poly-D-lysine-coated 96-well plate (Black, clear bottom. Corning) were labelled with Fluo 8 AM (AAT Bioquest, Sunnyvale, CA). Cells were preincubated with different concentrations of BW245C for 3 minutes, and treated with 10 nM endothelin-1 (Peptide Institute, Ibaraki, Japan). Relative fluorescence unit was monitored for 110 seconds. Assay was performed in triplicate with FlexStation (Molecular Devices, Sunnyvale, CA).

Statistical analysis. All data are shown as mean ± standard deviation (SD). Comparisons of two groups were analyzed using the unpaired two-tailed Student's t test. $P < 0.05$ was considered statistically significant. The analyses were performed by Graphpad Prism software (version 6; Graph Pad, La Jolla, CA).

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Author names in bold designate shared co-first authorship.

Supporting figure legend

Supporting Table 1: Genes up- or down-regulated by more than two fold in (1) Con A and BW245C (1 mg/kg)-treated versus Con A and vehicle-treated liver and (2) Con A and vehicle-treated versus non-treated liver, both at 3 hours and 24 hours.

Supporting Table 2: List of antibodies used in immunostaining and Western Blot.

Supporting Table 3: Sequences of the primers used for QRT-PCR.

Supporting Figure 1: (A) Staining of mouse ileum for DP1. Isotype-matched control- and anti-DP1- stained samples are shown. Bars, 50 μm. Data show representatives of two mice. (B) Co-staining of the mouse liver for anti-CD31 or F4/80. Shown are representatives of five samples per group. Bars, 50 μm. (C) Phase-contrast image (left) and autofluorescence (right) of HSCs isolated from untreated mice. Bars, 100 μm.

Supporting Figure 2: Western blot for nuclear p65 and cytosolic IκBα proteins in TNF-α-stimulated HSCs in the presence of vehicle or BW245C. Primary human HSCs were stimulated with TNF-α in the presence of vehicle or 10 μM BW245C for the

indicated time periods. Nuclear and cytosolic proteins were extracted and subjected to Western Blot. Results are representatives of two independent experiments.

Supporting Figure 3: Serum AST and ALT levels of ConA-injected WT mice, mice deficient in each prostanoid receptor and mice treated with an EP4 antagonist. Mice were administered 10 mg/kg except for experiments using EP4 antagonist and IP KO mice, in which 20 mg/kg of ConA were given. Serum was collected 24 hours later for measurement. An EP4 antagonist AE3-208, 100 mg/kg/day, or vehicle was given to C57BL/6 mice in drinking water for 48 hours, from 24 hours before ConA injection until serum collection. Data are mean ± SD of two to five mice. **, $P < 0.01$ and *, $P < 0.05$, compared with WT. NS, non-significant.

Supporting Figure 4: Serum TNF-α levels in bone marrow chimeric mice. ConA, 10 mg/kg, and vehicle or 1 mg/kg BW245C were administered 12 weeks after bone marrow transplantation. Serum was collected at 1 hour. Data are mean ± SD of two to five mice. **, $P < 0.01$, compared with non-treated mice.

Supporting Figure 5: HPGDS immunostaining of liver section of non-treated (upper

row) and mice treated with ConA for 8 hours (lower row). Data show a representative of two mice. Scale bars, 100 μm.

Supporting Figure 6: (A) Serum IFN-γ concentration in Con A-injected mice with or without BW245C treatment. Dotted line, BW245C-treated group and solid line, vehicle-treated group. (B) Augmentation of IFN-γ production by co-culture of NPCs and spleen cells, and its suppression by BW245C. IFN-γ concentration in culture supernatants of NPCs alone (white), NPC-spleen cell co-culture (gray), or spleen cells alone (black) are shown. ***, $P < 0.001$,**, $P < 0.01$ and *, $P < 0.05$, compared with compared with Con A and vehicle-treated group. NS, non-significant. Data are expressed as mean ± SD of five wells and are representatives of at least two independent experiments.

Supporting Figure 7: Heatmap of genes up-regulated by Con A and suppressed by BW245C treatment at 3 hours and 24 hours in mouse livers. Clustering analysis of genes that showed up-regulated by Con A and suppressed by BW245C. N, non-treated mouse liver; V3 and V24, liver collected from Con A-injected, vehicle-treated mice at 3 and 24 h after Con A injection, respectively; D3 and D24, liver collected from Con

A-injected, BW245C-treated mice at 3 and 24 hours after Con A injection, respectively. Examples of TNF-α-upregulated genes (red) are *Tnfaip6*, *Sele*, *Edn1* and *Fos*, and examples of IFN-γ-regulated genes (blue) are *Socs3*, *Isg15*, and *Ifit2*. *F3* (tissue factor) and *Nos2* (iNOS) are up-regulated by both TNF-α and IFN-γ (purple). Data show mean intensity of five samples per group.

Supporting Figure 8: Sinusoidal congestion and leukocyte accumulation induced by ConA, their amelioration by BW245C treatment and prevention of ConA-induced hepatitis by pretreatment with endothelin antagonist.

(A) Sinusoidal visualization by injection of FITC-dextran. Representative *in vivo* fluorescence images of hepatic microcirculation 6 hours after ConA injection with either vehicle or BW245C treatment. Bars, 100 μm (upper row) and 30 μm (lower row). PP, periportal region; CL, centrilobular region. (B) Quantification of perfused sinusoids. Data are shown as mean ± SD of six mice per group. (C) Leukocyte adherence to the sinusoidal wall. GFP mice were administered ConA with either vehicle or BW245C treatment. Leukocyte adherence was examined at 6 hours. (D) Number of leukocytes adhered to the sinusoidal wall. Data are expressed as mean ± SD of five to six mice per group. (E) Concentration-dependent effects of BW245C on *EDN1* mRNA expression in

primary human HSCs. Human HSCs were treated with different concentrations of BW245C for 6 hours, and subjected to RNA extraction and QRT-PCR analysis. Data are expressed as mean ± SD of triplicate wells and are representatives of at least two independent experiments. (F) Effects of an ET_A antagonist BQ-123 (top) or an ET_B antagonist BQ-788 (middle) on ConA-induced hepatitis. Drugs were administered i.p. 30 minutes before ConA injection, and serum was collected 24 hours after the injection for AST and ALT measurement. The results are expressed as mean ± SD of three to six mice per group. *, $P < 0.05$ compared with ConA and vehicle-administered mice. (Bottom) H&E staining of the liver from ConA injected mice with or without BQ-123 pretreatment. Samples were collected 24 hours after ConA injection. (-), non-treated group (B and D). Shown are representatives of three mice. Bars, 200 μm.

Supporting Figure 9. Intracellular Ca^{2+} assay of human HSCs stimulated with endothelin-1 (EDN-1) in the presence of vehicle or BW245C.

Human HSCs were pretreated with 10 μM BW245C for 3 minutes and 30 nM EDN-1 or vehicle was added. Relative fluorescence intensity was measured 110 seconds later. Data are mean ± SD of three wells and are a representative of three independent experiments.

Supporting Table 1.

Genes that decreased by more than 2 fold in livers of mice treated with Con A and BW245C for 3 hours compared with livers of mice treated for 3 hours with Con A and vehicle.

ProbeID	p value	Fold Change	GeneSymbol	GeneName
A_55_P2107374	0.001623757	0.078	**Duoxa2**	dual oxidase maturation factor 2
A_51_P245796	3.33E-05	0.080	**Ddit4**	DNA-damage-inducible transcript 4
A_55_P2057528	0.002930269	0.109	**Arl4d**	ADP-ribosylation factor-like 4D
A_55_P2158741	4.91E-06	0.109	**Nos2**	nitric oxide synthase 2, inducible
A_55_P2158741	1.18E-05	0.111	**Nos2**	nitric oxide synthase 2, inducible
A_51_P254855	0.000824214	0.120	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.004994174	0.132	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P430900	0.000541872	0.138	**Dusp1**	dual specificity phosphatase 1
A_51_P254855	0.000847076	0.138	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.00206267	0.148	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.002099392	0.154	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.004089463	0.156	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P161021	0.000285266	0.158	**Ifit2**	interferon-induced protein with tetratricopeptide repeats 2
A_51_P254855	0.002522371	0.162	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.001333193	0.169	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.002838333	0.173	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.004668733	0.186	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2031167	0.000997148	0.189	**Efna1**	ephrin A1
A_55_P2067563	0.000284176	0.190		
A_51_P323180	0.000337069	0.192	**Gbp9**	guanylate-binding protein 9
A_55_P2152225	0.001194397	0.196	**Ihh**	Indian hedgehog
A_55_P1976655	0.004990513	0.196	**Fgf23**	fibroblast growth factor 23
A_51_P380178	0.000118715	0.197	**Id3**	inhibitor of DNA binding 3
A_52_P353905	0.00444801	0.198	**Fam83a**	family with sequence similarity 83, member A
A_55_P2073789	0.004304984	0.207	**LOC676974**	glucose-6-phosphate isomerase-like
A_51_P272553	1.01E-05	0.207	**Bhlhe40**	basic helix-loop-helix family, member e40
A_51_P270904	0.00018223	0.209	**9930023K05Rik**	RIKEN cDNA 9930023K05 gene
A_30_P0103060	0.003032375	0.212		
A_55_P2034491	8.77E-05	0.215		
A_55_P2020612	0.001133877	0.219	**Arl4d**	ADP-ribosylation factor-like 4D
A_55_P2041784	0.000835895	0.232	**Gna13**	guanine nucleotide binding protein, alpha 13
A_55_P1985433	5.03E-06	0.233	**Nrg1**	neuregulin 1
A_52_P164136	0.001495946	0.236	**Arrdc3**	arrestin domain containing 3
A_55_P2079860	0.000780252	0.242	**Asap3**	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3
A_55_P2158990	4.51E-07	0.244	**Jun**	Jun oncogene
A_55_P2019690	0.000244504	0.249	**Slc43a1**	solute carrier family 43, member 1
A_51_P252859	0.000123201	0.260	**Cyr61**	cysteine rich protein 61
A_55_P1962723	0.001862789	0.265		
A_51_P464703	0.001713917	0.267	**Ccl8**	chemokine (C-C motif) ligand 8
A_55_P2120577	0.00047628	0.268	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_52_P65237	0.001591708	0.275	**Zbtb7c**	zinc finger and BTB domain containing 7C
A_30_P0102733	0.004425051	0.275		
A_55_P2098603	0.00403414	0.279		
A_55_P2076462	0.000848396	0.279	**Lnx1**	ligand of numb-protein X 1
A_65_P13459	0.00035214	0.290	**Cd300lb**	CD300 antigen like family member B
A_51_P265571	0.001655206	0.290	**Adm**	adrenomedullin
A_51_P249286	0.000257818	0.292	**Rgs16**	regulator of G-protein signaling 16
A_55_P2157093	0.000896832	0.295	**Bcl2l14**	BCL2-like 14 (apoptosis facilitator)
A_55_P2062108	0.000303938	0.296	**Apold1**	apolipoprotein L domain containing 1
A_51_P455326	0.001829373	0.297	**Sele**	selectin, endothelial cell
A_51_P223776	0.001498124	0.297	**Nr1d1**	nuclear receptor subfamily 1, group D, member 1
A_55_P2116621	0.000770962	0.297	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_65_P08971	0.000603342	0.299	**F3**	coagulation factor III
A_55_P2119257	0.002562923	0.304	**Serpine1**	serine (or cysteine) peptidase inhibitor, clade E, member 1
A_55_P1971889	0.000652184	0.304	**F3**	coagulation factor III
A_52_P452689	8.51E-05	0.304	**Atf3**	activating transcription factor 3
A_55_P1960916	0.000403111	0.304	**Egln3**	EGL nine homolog 3 (C. elegans)
A_55_P2037618	0.000149443	0.308	**C130039O16Rik**	RIKEN cDNA C130039O16 gene
A_55_P2023314	0.003920452	0.309	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_55_P2118441	0.000232209	0.315	**Mx1**	myxovirus (influenza virus) resistance 1
A_52_P232580	0.000216946	0.316	**Dyrk3**	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
A_30_P0102158	0.0048914	0.318		
A_51_P157042	0.000763604	0.320	**Ctgf**	connective tissue growth factor
A_52_P207509	0.000148111	0.328	**C230081A13Rik**	RIKEN cDNA C230081A13 gene
A_52_P32353	0.002224116	0.331		
A_55_P2179599	0.000198944	0.331	**Gbp8**	guanylate-binding protein 8
A_52_P154354	0.000408646	0.332		
A_52_P193301	0.00010235	0.333	**Chmp4c**	chromatin modifying protein 4C
A_55_P1966928	0.001345888	0.334	**Lnx1**	ligand of numb-protein X 1
A_52_P387009	0.000151138	0.337	**Egln3**	EGL nine homolog 3 (C. elegans)
A_52_P87843	3.12E-06	0.338	**Aldh1a3**	aldehyde dehydrogenase family 1, subfamily A3
A_30_P0102627	0.002458752	0.338		
A_52_P64514	0.000154423	0.341	**Herc6**	hect domain and RLD 6
A_30_P0102157	0.000299463	0.351		
A_55_P2145521	0.000638477	0.352	**Stk38l**	serine/threonine kinase 38 like
A_55_P1978666	0.00346462	0.353	**Sybu**	syntabulin (syntaxin-interacting)
A_52_P362917	0.000386889	0.356	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P408227	0.001717513	0.356	**9130017N09Rik**	RIKEN cDNA 9130017N09 gene
A_52_P31543	9.33E-05	0.356	**Btg2**	B-cell translocation gene 2, anti-proliferative
A_51_P403636	0.000532263	0.360	**Smad7**	MAD homolog 7 (Drosophila)
A_51_P185757	0.000453706	0.361	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_51_P140237	0.000718462	0.362	**Fhl2**	four and a half LIM domains 2
A_51_P517870	0.00023092	0.362	**Nfatc1**	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
A_55_P2141978	0.002131148	0.363	**Nr3c2**	nuclear receptor subfamily 3, group C, member 2
A_30_P0102692	0.002070039	0.364		
A_52_P638895	8.49E-06	0.364	**Vegfa**	vascular endothelial growth factor A
A_51_P196925	1.64E-05	0.364	**Cx3cl1**	chemokine (C-X3-C motif) ligand 1
A_30_P0102462	0.00029106	0.365		
A_52_P638895	3.85E-06	0.367	**Vegfa**	vascular endothelial growth factor A
A_55_P2018017	0.000105593	0.369	**Tnfsf10**	tumor necrosis factor (ligand) superfamily, member 10
A_55_P1970033	0.000515599	0.370	**Per1**	period homolog 1 (Drosophila)
A_30_P0101895	0.003798038	0.375		
A_51_P152990	0.000215974	0.377	**Grem2**	gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis)
A_51_P212068	0.000246928	0.378	**Abp1**	amiloride binding protein 1 (amine oxidase, copper-containing)
A_55_P2076866	0.000483286	0.380	**Megf6**	multiple EGF-like-domains 6
A_51_P187750	0.000897385	0.380	**Neurl3**	neuralized homolog 3 homolog (Drosophila)
A_55_P2116165	9.30E-05	0.382	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_55_P1958480	0.002136387	0.382	**LOC545005**	hypothetical protein LOC545005
A_55_P2129658	0.00139444	0.384	**Smad6**	MAD homolog 6 (Drosophila)
A_51_P294643	0.000738116	0.387	**Cdr2**	cerebellar degeneration-related 2
A_30_P0102557	0.000966698	0.388		
A_51_P359570	0.000100643	0.390	**Ifit3**	interferon-induced protein with tetratricopeptide repeats 3
A_30_P0101835	0.002385993	0.391		

A_55_P2049867	0.000173668	0.392	**Ccrl2**	chemokine (C-C motif) receptor-like 2
A_55_P2163028	0.00094484	0.392	**Ier2**	immediate early response 2
A_52_P1197913	0.001169573	0.394	**Gadd45b**	growth arrest and DNA-damage-inducible 45 beta
A_30_P0102480	0.001244992	0.396		
A_30_P0102809	0.00311851	0.398		
A_66_P113868	1.66E-07	0.398	**Cdh3**	cadherin 3
A_30_P0101901	0.00193153	0.398		
A_55_P1989663	8.08E-06	0.399	**Slco3a1**	solute carrier organic anion transporter family, member 3a1
A_55_P2230913	0.000545927	0.399	**Etv6**	ets variant gene 6 (TEL oncogene)
A_52_P518997	0.000562193	0.400	**Epha2**	Eph receptor A2
A_55_P1959228	0.001277964	0.400	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_51_P219444	2.94E-05	0.404	**Plcl2**	phospholipase C-like 2
A_55_P2072005	0.000319337	0.404		
A_51_P513032	0.001533506	0.405	**Trps1**	trichorhinophalangeal syndrome I (human)
A_51_P331752	0.000132777	0.405	**Ccl11**	chemokine (C-C motif) ligand 11
A_52_P338066	0.004533004	0.406	**Ubd**	ubiquitin D
A_52_P604629	0.000557427	0.407	**Csrnp1**	cysteine-serine-rich nuclear protein 1
A_55_P2397599	0.004025029	0.407	**B930025B16Rik**	RIKEN cDNA B930025B16 gene
A_55_P2149774	0.002239648	0.408	**Vasn**	vasorin
A_51_P490795	4.94E-06	0.409	**Mxd1**	MAX dimerization protein 1
A_55_P2136880	0.000348867	0.409	**Ppp1r15a**	protein phosphatase 1, regulatory (inhibitor) subunit 15A
A_55_P2094602	9.33E-06	0.410	**Lrch1**	leucine-rich repeats and calponin homology (CH) domain containing 1
A_30_P0102535	0.000403508	0.412		
A_55_P1984556	0.002821292	0.412	**Ccl12**	chemokine (C-C motif) ligand 12
A_55_P2173892	0.004890641	0.414	**Isg20**	interferon-stimulated protein
A_52_P684138	0.000577068	0.415	**Dpf3**	D4, zinc and double PHD fingers, family 3
A_66_P132515	0.001585512	0.416	**Chmp4c**	chromatin modifying protein 4C
A_51_P187842	0.000191348	0.416	**Eif4e3**	eukaryotic translation initiation factor 4E member 3
A_55_P1988009	0.000423348	0.417		
A_55_P1972872	0.000579942	0.417	**I830012O16Rik**	RIKEN cDNA I830012O16 gene
A_51_P355943	0.000289261	0.419	**Mvd**	mevalonate (diphospho) decarboxylase
A_30_P0102208	0.004138917	0.420		
A_66_P109519	0.003021111	0.420	**Ehf**	ets homologous factor
A_66_P136186	0.001420682	0.420	**Wee1**	WEE 1 homolog 1 (S. pombe)
A_51_P509643	0.002596704	0.422	**Snca**	synuclein, alpha
A_55_P1999958	0.001100369	0.423	**LOC100505017**	putative Pol polyprotein-like
A_55_P1967776	0.000893158	0.423	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_65_P06572	9.91E-05	0.427	**Smad5**	MAD homolog 5 (Drosophila)
A_51_P391454	0.000805323	0.428	**Il7**	interleukin 7
A_52_P679860	0.000662864	0.430	**Herc6**	hect domain and RLD 6
A_51_P236864	0.000126473	0.431	**Parp8**	poly (ADP-ribose) polymerase family, member 8
A_66_P120603	7.16E-05	0.433	**Trps1**	trichorhinophalangeal syndrome I (human)
A_52_P95910	1.87E-05	0.433	**Ugcg**	UDP-glucose ceramide glucosyltransferase
A_30_P0102549	0.000448538	0.434		
A_55_P2092953	0.000187097	0.435	**Traf5**	TNF receptor-associated factor 5
A_66_P130366	0.003799673	0.437	**Stk38l**	serine/threonine kinase 38 like
A_55_P2091846	0.000288759	0.438	**Zcchc11**	zinc finger, CCHC domain containing 11
A_66_P125389	0.000774053	0.439	**F830016B08Rik**	RIKEN cDNA F830016B08 gene
A_66_P114705	0.001566801	0.441	**Adamts6**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 6
A_55_P2341890	0.003802634	0.444	**4921511C10Rik**	RIKEN cDNA 4921511C10 gene
A_55_P1983016	0.000474271	0.445	**Gm3556**	predicted gene 3556
A_51_P514319	0.000174319	0.446	**Slc13a4**	solute carrier family 13 (sodium/sulfate symporters), member 4
A_55_P1962303	0.002221474	0.447	**Hba-a1**	hemoglobin alpha, adult chain 1
A_55_P1984253	0.002476338	0.447		
A_55_P2075100	0.000295851	0.447	**Bcl9**	B-cell CLL/lymphoma 9
A_51_P461504	0.001705079	0.450	**Eef2k**	eukaryotic elongation factor-2 kinase
A_51_P121447	0.001208495	0.450	**1110038F14Rik**	RIKEN cDNA 1110038F14 gene
A_55_P2001818	0.000792725	0.450	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_55_P1970474	1.21E-05	0.450	**Tmem67**	transmembrane protein 67
A_55_P2071970	4.28E-05	0.452	**Nav2**	neuron navigator 2
A_55_P1988010	0.004459647	0.452	**Gm10406**	predicted gene 10406
A_52_P667287	0.003285414	0.453	**Lass6**	LAG1 homolog, ceramide synthase 6
A_55_P1986228	0.000752594	0.454		
A_51_P215489	5.96E-05	0.455	**Slc37a1**	solute carrier family 37 (glycerol-3-phosphate transporter), member 1
A_55_P2245422	0.002269532	0.455	**D11Wsu173e**	DNA segment, Chr 11, Wayne State University 173, expressed
A_55_P2005585	0.000808281	0.456	**Trps1**	trichorhinophalangeal syndrome I (human)
A_51_P108581	0.001910466	0.457	**Adrbk2**	adrenergic receptor kinase, beta 2
A_52_P386627	0.000176875	0.457	**Irak3**	interleukin-1 receptor-associated kinase 3
A_52_P590474	8.66E-05	0.458	**Ccnl1**	cyclin L1
A_55_P2337074	0.003812639	0.459	**Mid1**	midline 1
A_30_P0102418	0.000994917	0.460		
A_51_P108581	0.001880785	0.463	**Adrbk2**	adrenergic receptor kinase, beta 2
A_55_P1988228	0.000368584	0.464	**Aspm**	asp (abnormal spindle)-like, microcephaly associated (Drosophila)
A_51_P472249	0.000174747	0.464	**Slc7a7**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
A_55_P2146590	0.000738929	0.465	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P411728	0.002184919	0.465	**2900026A02Rik**	RIKEN cDNA 2900026A02 gene
A_51_P348280	7.18E-05	0.466	**Il17ra**	interleukin 17 receptor A
A_51_P161037	0.003895528	0.467	**Cep170**	centrosomal protein 170
A_55_P2083649	0.002529453	0.467	**Alas1**	aminolevulinic acid synthase 1
A_52_P106620	0.000433685	0.467	**Tnfrsf11b**	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)
A_55_P2150555	5.30E-06	0.467	**Pcgf5**	polycomb group ring finger 5
A_51_P115005	0.00057627	0.467	**Edn1**	endothelin 1
A_51_P220135	4.54E-05	0.468	**Nfatc1**	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
A_55_P2076757	9.17E-05	0.469	**Znfx1**	zinc finger, NFX1-type containing 1
A_51_P286665	0.000225879	0.470	**Rbl1**	retinoblastoma-like 1 (p107)
A_51_P415519	2.82E-05	0.470	**Tmem39a**	transmembrane protein 39a
A_51_P327751	0.001021377	0.470	**Ifit1**	interferon-induced protein with tetratricopeptide repeats 1
A_51_P108581	0.002151358	0.471	**Adrbk2**	adrenergic receptor kinase, beta 2
A_55_P2018636	0.000385519	0.471	**9530077C05Rik**	RIKEN cDNA 9530077C05 gene
A_65_P16630	2.09E-06	0.472	**BC068281**	cDNA sequence BC068281
A_55_P2062549	2.95E-05	0.472	**Gm6524**	katanin p60 (ATPase-containing) subunit A1 pseudogene
A_51_P455647	0.000259629	0.473	**Car2**	carbonic anhydrase 2
A_51_P108581	0.002982429	0.473	**Adrbk2**	adrenergic receptor kinase, beta 2
A_51_P108581	0.002123233	0.474	**Adrbk2**	adrenergic receptor kinase, beta 2
A_55_P2018357	0.001228796	0.474	**Ankrd56**	ankyrin repeat domain 56
A_66_P128537	0.000746877	0.474	**Isg15**	ISG15 ubiquitin-like modifier
A_30_P0103027	0.003441555	0.475		
A_51_P275496	2.82E-05	0.475	**BC026762**	cDNA sequence BC026762
A_55_P2155197	0.000168659	0.476	**Tnfrsf22**	tumor necrosis factor receptor superfamily, member 22
A_52_P520495	0.000605306	0.476	**Vcam1**	vascular cell adhesion molecule 1
A_55_P2064652	0.001920584	0.477	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_51_P505823	0.002100047	0.477	**Endod1**	endonuclease domain containing 1
A_55_P1996171	1.96E-06	0.477	**Pcgf5**	polycomb group ring finger 5
A_55_P2132697	0.001838401	0.478		
A_55_P2147081	0.001385306	0.478	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_51_P213928	0.000691993	0.479	**Nap1l3**	nucleosome assembly protein 1-like 3
A_55_P2086433	0.001502657	0.479	**Oasl1**	2'-5' oligoadenylate synthetase-like 1

A_55_P2135526	0.004646977	0.479	**Gzmc**	granzyme C
A_51_P436652	0.002366585	0.479	**Ccl7**	chemokine (C-C motif) ligand 7
A_55_P2337073	0.003385404	0.480	**Mid1**	midline 1
A_51_P108581	0.003619969	0.480	**Adrbk2**	adrenergic receptor kinase, beta 2
A_55_P2180551	0.002158269	0.480	**Fam60a**	family with sequence similarity 60, member A
A_55_P2032695	3.92E-05	0.480	**Zcchc11**	zinc finger, CCHC domain containing 11
A_51_P108581	0.004139728	0.480	**Adrbk2**	adrenergic receptor kinase, beta 2
A_55_P2052385	8.57E-05	0.483	**Mpa2l**	macrophage activation 2 like
A_55_P2194064	0.003286424	0.484	**BC023969**	cDNA sequence BC023969
A_51_P115005	0.001946686	0.485	**Edn1**	endothelin 1
A_55_P2103698	0.001218546	0.487	**Isg15**	ISG15 ubiquitin-like modifier
A_66_P130647	0.003654723	0.487		
A_55_P1985544	0.001931476	0.488	**Kcnk10**	potassium channel, subfamily K, member 10
A_52_P89477	0.000387257	0.488	**Bcl9**	B-cell CLL/lymphoma 9
A_51_P108581	0.003500412	0.488	**Adrbk2**	adrenergic receptor kinase, beta 2
A_51_P286748	0.00286025	0.489	**Frzb**	frizzled-related protein
A_51_P108252	0.000957165	0.490	**Gpsm2**	G-protein signalling modulator 2 (AGS3-like, C. elegans)
A_30_P0102362	0.00044029	0.490		
A_51_P305547	0.001007584	0.491	**Snai2**	snail homolog 2 (Drosophila)
A_52_P628590	0.001979255	0.492	**Pvr**	poliovirus receptor
A_30_P0102369	0.004528471	0.493		
A_52_P451888	0.000142398	0.493	**Tlk2**	tousled-like kinase 2 (Arabidopsis)
A_51_P477364	0.000109781	0.495	**Rhob**	ras homolog gene family, member B
A_55_P1972490	0.000536552	0.495	**Gm4055**	predicted gene 4055
A_65_P01834	0.000174338	0.496	**Lima1**	LIM domain and actin binding 1
A_55_P2085012	0.000115448	0.497		
A_55_P1962299	0.001236947	0.498	**Hba-a2**	hemoglobin alpha, adult chain 2
A_66_P135106	0.000570163	0.498	**Slco3a1**	solute carrier organic anion transporter family, member 3a1
A_51_P115005	0.001602341	0.498	**Edn1**	endothelin 1
A_55_P2092262	4.53E-06	0.499	**Gm7694**	predicted gene 7694
A_51_P108252	0.00046138	0.499	**Gpsm2**	G-protein signalling modulator 2 (AGS3-like, C. elegans)
A_52_P199633	0.00276799	0.500	**Trim30d**	tripartite motif-containing 30D
A_55_P2064659	0.000963007	0.500	**Trim12a**	tripartite motif-containing 12A
A_51_P115005	0.00108584	0.500	**Edn1**	endothelin 1

Genes that increased by more than 2 fold in livers of mice treated with Con A and BW245C for 3 hours compared with livers of mice treated for 3 hours with Con A and vehicle

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_51_P155873	0.003054	8.47	**Ppp1r3g**	protein phosphatase 1, regulatory (inhibitor) subunit 3G
A_55_P2073248	0.000727	5.55	**Slc25a34**	solute carrier family 25, member 34
A_55_P2111163	4.72E-05	5.32	**S100g**	S100 calcium binding protein G
A_55_P2083474	0.002176	5.30	**Lpin1**	lipin 1
A_55_P2190152	1.00E-06	5.15	**4921509J17Rik**	RIKEN cDNA 4921509J17 gene
A_51_P350453	1.04E-05	4.48	**Pdk4**	pyruvate dehydrogenase kinase, isoenzyme 4
A_51_P247637	2.87E-05	3.94	**Rnf144a**	ring finger protein 144A
A_55_P2013236	0.001346	3.85	**S100g**	S100 calcium binding protein G
A_51_P245156	0.002643	3.72	**Gdf2**	growth differentiation factor 2
A_52_P659312	0.001363	3.65	**Spsb4**	splA/ryanodine receptor domain and SOCS box containing 4
A_55_P2269819	0.001016	3.52	**Fam107a**	family with sequence similarity 107, member A
A_55_P2180839	0.00038	3.52	**Il13**	interleukin 13
A_55_P1988613	0.000627	3.47	**Mdm1**	transformed mouse 3T3 cell double minute 1
A_30_P01029305	0.000708	3.45		
A_51_P363749	0.00172	3.42	**Irf6**	interferon regulatory factor 6
A_52_P213889	0.002334	3.39	**Tmc7**	transmembrane channel-like gene family 7
A_30_P01024647	0.002016	3.34		
A_30_P01018140	0.002528	3.28		
A_55_P2223851	0.001562	3.26		
A_55_P2075127	0.001945	3.25	**Pax2**	paired box gene 2
A_55_P2408588	0.000261	3.21	**Arntl**	aryl hydrocarbon receptor nuclear translocator-like
A_55_P2024675	0.003675	3.16	**Fam35a**	family with sequence similarity 35, member A
A_51_P454190	0.00069	3.14	**Hecw2**	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
A_55_P2340885	0.000792	3.13	**C630001G18Rik**	RIKEN cDNA C630001G18 gene
A_30_P01018924	0.000268	3.11		
A_30_P01027135	0.00346	3.06		
A_55_P2144716	0.000358	3.05	**Hecw2**	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
A_55_P2040170	0.000769	3.01	**Pmp22**	peripheral myelin protein 22
A_55_P2030578	3.29E-05	3.00	**Tns1**	tensin 1
A_55_P2101920	8.96E-05	2.98	**4931408A02Rik**	RIKEN cDNA 4931408A02 gene
A_66_P122173	0.000254	2.96	**Mkl2**	MKL/myocardin-like 2
A_66_P126159	6.52E-05	2.94	**Tubb1**	tubulin, beta 1
A_30_P01033008	3.15E-05	2.94		
A_51_P124748	0.000276	2.89	**Tgfb3**	transforming growth factor, beta 3
A_55_P2003393	0.00296	2.89		
A_30_P01017959	0.001438	2.87		
A_51_P124748	8.29E-05	2.86	**Tgfb3**	transforming growth factor, beta 3
A_51_P124748	0.000244	2.86	**Tgfb3**	transforming growth factor, beta 3
A_51_P389265	8.57E-05	2.86	**Pnpla3**	patatin-like phospholipase domain containing 3
A_51_P439452	0.000232	2.86	**Insig2**	insulin induced gene 2
A_55_P2104259	0.00047	2.84	**Plin5**	perilipin 5
A_55_P2233818	8.02E-06	2.83	**AI662168**	expressed sequence AI662168
A_51_P124748	0.000286	2.82	**Tgfb3**	transforming growth factor, beta 3
A_51_P116906	0.001512	2.81	**Rapgef3**	Rap guanine nucleotide exchange factor (GEF) 3
A_55_P2077681	0.00026	2.79	**Prkag3**	protein kinase, AMP-activated, gamma 3 non-catatlytic subunit
A_51_P124748	0.000178	2.79	**Tgfb3**	transforming growth factor, beta 3
A_55_P2112125	0.000679	2.77	**Tnk2**	tyrosine kinase, non-receptor, 2
A_55_P2174633	0.002203	2.77		
A_55_P2097508	0.003042	2.75	**Mcc**	mutated in colorectal cancers
A_51_P334155	0.00274	2.74	**4930579F01Rik**	RIKEN cDNA 4930579F01 gene
A_30_P01021129	0.003488	2.74		
A_30_P01027382	0.002391	2.74		
A_66_P122621	0.000698	2.74		
A_55_P2110497	4.40E-05	2.73	**Ddc**	dopa decarboxylase
A_55_P2387665	0.002649	2.73	**9130221J18Rik**	RIKEN cDNA 9130221J18 gene
A_55_P2112120	0.000439	2.73	**Tnk2**	tyrosine kinase, non-receptor, 2
A_55_P2024155	0.000241	2.73	**Zbtb16**	zinc finger and BTB domain containing 16
A_51_P440743	0.001295	2.71	**Celsr1**	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)
A_51_P172424	0.001568	2.69	**Krtap4-16**	keratin associated protein 4-16
A_30_P01029520	0.000866	2.69		
A_55_P1993777	0.000412	2.69	**Rbfox3**	RNA binding protein, fox-1 homolog (C. elegans) 3
A_30_P01021642	0.000108	2.68		
A_65_P11092	0.002275	2.66	**Tspan15**	tetraspanin 15
A_51_P124748	0.000158	2.66	**Tgfb3**	transforming growth factor, beta 3
A_51_P124748	0.000477	2.65	**Tgfb3**	transforming growth factor, beta 3
A_52_P274496	0.000311	2.63	**Tspan18**	tetraspanin 18
A_55_P2083481	0.002419	2.62	**Lpin1**	lipin 1
A_55_P2143436	0.003702	2.62		
A_55_P1957624	0.001635	2.61	**Insig2**	insulin induced gene 2
A_30_P01022043	0.001463	2.58		
A_55_P1988844	0.004789	2.58	**Klrg1**	killer cell lectin-like receptor subfamily G, member 1
A_55_P2137452	0.000957	2.58	**Vmn1r207-ps**	vomeronasal 1 receptor 207, pseudogene
A_30_P01027556	0.001854	2.58		
A_55_P2079855	0.000472	2.58	**Prl6a1**	prolactin family 6, subfamily a, member 1
A_51_P124748	0.000328	2.57	**Tgfb3**	transforming growth factor, beta 3
A_30_P01025339	0.002428	2.57		
A_51_P243755	0.002264	2.55	**Slc10a2**	solute carrier family 10, member 2
A_51_P128463	7.91E-05	2.55	**Grrp1**	glycine/arginine rich protein 1
A_51_P124748	0.000231	2.54	**Tgfb3**	transforming growth factor, beta 3
A_30_P01020059	0.005086	2.52		
A_51_P338443	2.38E-05	2.52	**Angptl4**	angiopoietin-like 4
A_55_P2046494	0.000223	2.51	**Anubl1**	AN1, ubiquitin-like, homolog (Xenopus laevis)
A_52_P683336	0.002449	2.51	**AY074887**	cDNA sequence AY074887
A_51_P128463	0.000399	2.50	**Grrp1**	glycine/arginine rich protein 1
A_55_P2275030	0.003302	2.50	**G630055G22Rik**	RIKEN cDNA G630055G22 gene
A_55_P2374197	0.001818	2.49		
A_30_P01025700	0.003339	2.49		
A_55_P1970788	0.000856	2.49	**Gpr77**	G protein-coupled receptor 77
A_52_P413584	7.53E-06	2.48	**Nrip1**	nuclear receptor interacting protein 1
A_51_P124748	0.001065	2.48	**Tgfb3**	transforming growth factor, beta 3

A_51_P128463	0.000196	2.48	**Grrp1**	glycine/arginine rich protein 1
A_55_P2007816	0.003144	2.48	**Mup4**	major urinary protein 4
A_66_P126877	0.002602	2.48	**Vmn1r214**	vomeronasal 1 receptor 214
A_51_P237865	0.000277	2.47	**Il4**	interleukin 4
A_55_P2073705	0.000491	2.46	**Tfdp2**	transcription factor Dp 2
A_30_P01027172	0.002509	2.46		
A_30_P01029931	0.001066	2.45		
A_55_P1995133	0.004736	2.44		
A_51_P128463	3.95E-05	2.44	**Grrp1**	glycine/arginine rich protein 1
A_55_P2031272	0.001094	2.43	**Lhx3**	LIM homeobox protein 3
A_30_P01023674	0.002176	2.42		
A_51_P151484	0.000164	2.42	**Atp1b1**	ATPase, Na+/K+ transporting, beta 1 polypeptide
A_55_P2038183	0.000697	2.42	**Insc**	inscuteable homolog (Drosophila)
A_55_P2026275	0.002473	2.41	**Ppp1r1b**	protein phosphatase 1, regulatory (inhibitor) subunit 1B
A_55_P2036547	0.000556	2.41	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_55_P2316612	0.000322	2.41	**6720407P12Rik**	RIKEN cDNA 6720407P12 gene
A_51_P284526	0.004626	2.40	**Mrgprh**	MAS-related GPR, member H
A_51_P237865	0.000243	2.40	**Il4**	interleukin 4
A_55_P2063216	0.002342	2.39	**Dusp14**	dual specificity phosphatase 14
A_52_P54280	0.00399	2.39	**Adck3**	aarF domain containing kinase 3
A_30_P01026878	0.004755	2.37		
A_66_P108979	0.001532	2.37	**Olfr1535**	olfactory receptor 1535
A_55_P1973447	0.002645	2.36	**Ybx2**	Y box protein 2
A_51_P237865	0.00019	2.36	**Il4**	interleukin 4
A_55_P2106106	3.82E-07	2.35	**Gpr77**	G protein-coupled receptor 77
A_55_P1994733	0.002091	2.35	**Tmem14a**	transmembrane protein 14A
A_51_P440047	8.40E-06	2.35	**1110067D22Rik**	RIKEN cDNA 1110067D22 gene
A_55_P1956087	0.000386	2.35	**Ctcfl**	CCCTC-binding factor (zinc finger protein)-like
A_55_P2146177	0.000101	2.34	**Cerk**	ceramide kinase
A_51_P285097	0.000722	2.33	**Wdr38**	WD repeat domain 38
A_30_P01022804	0.003732	2.33		
A_51_P365008	2.73E-06	2.33	**Tns1**	tensin 1
A_55_P2024555	0.001695	2.33	**Ppap2a**	phosphatidic acid phosphatase type 2A
A_55_P2126269	0.000603	2.33	**Nmb**	neuromedin B
A_51_P237865	8.12E-05	2.33	**Il4**	interleukin 4
A_51_P277336	9.01E-05	2.32	**Sdpr**	serum deprivation response
A_55_P2132604	0.003719	2.32	**Gm2447**	predicted gene 2447
A_55_P2158663	0.001076	2.31		
A_30_P01018104	0.001226	2.31		
A_55_P2010567	0.001998	2.31		
A_51_P237865	0.000757	2.30	**Il4**	interleukin 4
A_55_P1958532	0.004211	2.30	**Hr**	hairless
A_30_P01027977	0.002163	2.30		
A_51_P237865	0.000484	2.30	**Il4**	interleukin 4
A_30_P01023997	0.003767	2.29		
A_51_P128463	0.000124	2.29	**Grrp1**	glycine/arginine rich protein 1
A_30_P01031812	4.12E-05	2.29		
A_55_P1981195	0.002897	2.29		
A_55_P2064741	0.00051	2.28	**Nmb**	neuromedin B
A_51_P237865	0.000235	2.28	**Il4**	interleukin 4
A_52_P610987	0.001378	2.28	**Slc28a3**	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3
A_51_P237865	0.0003	2.28	**Il4**	interleukin 4
A_55_P2322709	0.000123	2.28	**4633401B06Rik**	RIKEN cDNA 4633401B06 gene
A_51_P237865	0.000325	2.28	**Il4**	interleukin 4
A_30_P01017962	0.000454	2.27		
A_51_P128463	7.00E-05	2.27	**Grrp1**	glycine/arginine rich protein 1
A_55_P2154809	0.004573	2.27	**Morn3**	MORN repeat containing 3
A_55_P2419483	4.21E-05	2.26	**4732460I02Rik**	RIKEN cDNA 4732460I02 gene
A_55_P2000454	0.001955	2.26		
A_55_P2344598	0.000138	2.26	**E330037I15Rik**	RIKEN cDNA E330037I15 gene
A_55_P2057430	0.003639	2.25	**Lipn**	lipase, family member N
A_51_P345649	0.00051	2.25	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_52_P393120	0.000146	2.25	**1810012P15Rik**	RIKEN cDNA 1810012P15 gene
A_55_P2067629	0.00104	2.25	**Ush1g**	Usher syndrome 1G homolog (human)
A_52_P11441	3.86E-05	2.25	**Rab6b**	RAB6B, member RAS oncogene family
A_55_P2044582	0.001347	2.24	**Iglon5**	IgLON family member 5
A_52_P420500	0.000432	2.24	**Cry1**	cryptochrome 1 (photolyase-like)
A_52_P329398	0.001263	2.24	**Atp12a**	ATPase, H+/K+ transporting, nongastric, alpha polypeptide
A_51_P128463	5.31E-05	2.23	**Grrp1**	glycine/arginine rich protein 1
A_51_P237585	0.001708	2.23	**Btnl9**	butyrophilin-like 9
A_51_P469951	0.000626	2.23	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_55_P1959828	0.001564	2.23	**Tmem20**	transmembrane protein 20
A_30_P01026644	0.0045	2.23		
A_52_P627068	0.003574	2.22	**Disp2**	dispatched homolog 2 (Drosophila)
A_30_P01029264	0.00349	2.22		
A_30_P01023254	0.004592	2.22		
A_66_P105422	0.000825	2.22	**Lonrf3**	LON peptidase N-terminal domain and ring finger 3
A_51_P170105	0.00216	2.21	**Alx4**	aristaless-like homeobox 4
A_55_P1955632	0.000788	2.21	**Trp53i11**	transformation related protein 53 inducible protein 11
A_55_P2022024	0.001512	2.21	**Olfr212**	olfactory receptor 212
A_55_P2141008	0.001136	2.21	**Siglech**	sialic acid binding Ig-like lectin H
A_30_P01030677	0.002832	2.20		
A_30_P01030430	0.001924	2.20		
A_55_P2004208	0.001761	2.20	**Defa-rs2**	defensin, alpha, related sequence 2
A_55_P2078123	0.000205	2.20	**Rora**	RAR-related orphan receptor alpha
A_55_P2007389	0.000228	2.19	**Fam189b**	family with sequence similarity 189, member B
A_55_P1959938	0.002313	2.19	**Pde7b**	phosphodiesterase 7B
A_55_P2118302	0.002452	2.19	**Fam110a**	family with sequence similarity 110, member A
A_51_P355151	2.99E-05	2.18	**Camk2n2**	calcium/calmodulin-dependent protein kinase II inhibitor 2
A_55_P1957468	0.000217	2.18	**She**	src homology 2 domain-containing transforming protein E
A_55_P2108248	0.001828	2.18	**Art4**	ADP-ribosyltransferase 4
A_51_P228159	0.0035	2.18		

A_55_P2334177	0.000722	2.18	**4933428C20Rik**	RIKEN cDNA 4933428C20 gene
A_55_P2116674	0.002833	2.18		
A_30_P01027373	0.000461	2.17		
A_55_P2192662	0.004483	2.17	**Lepr**	leptin receptor
A_51_P128463	0.000113	2.17	**Grrp1**	glycine/arginine rich protein 1
A_51_P396163	0.003596	2.17	**Mdm1**	transformed mouse 3T3 cell double minute 1
A_30_P01018583	0.001979	2.16		
A_51_P128463	0.001092	2.15	**Grrp1**	glycine/arginine rich protein 1
A_30_P01026403	0.000123	2.15		
A_55_P2103033	0.004772	2.14		
A_51_P120066	0.001374	2.14	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P2097773	0.002164	2.14	**Msh4**	mutS homolog 4 (E. coli)
A_51_P237865	0.001976	2.14	**Il4**	interleukin 4
A_30_P01028169	0.004349	2.14		
A_55_P2384636	0.001436	2.13	**4930518C09Rik**	RIKEN cDNA 4930518C09 gene
A_30_P01022956	0.003822	2.13		
A_66_P128931	0.000244	2.13		
A_55_P2060667	0.004441	2.13	**Krt9**	keratin 9
A_51_P128463	0.000128	2.12	**Grrp1**	glycine/arginine rich protein 1
A_30_P01026474	0.000996	2.12		
A_55_P2085806	0.003057	2.12	**BC029214**	cDNA sequence BC029214
A_55_P2052425	0.000136	2.12	**Setd4**	SET domain containing 4
A_55_P2106241	0.002738	2.11	**4930432K21Rik**	RIKEN cDNA 4930432K21 gene
A_51_P270899	0.002629	2.11	**Zfp61**	zinc finger protein 61
A_30_P01025584	0.005046	2.11		
A_55_P2323503	0.002141	2.11	**AA960618**	expressed sequence AA960618
A_51_P228295	0.000908	2.11	**Mpzl1**	myelin protein zero-like 1
A_55_P2142724	0.003099	2.11		
A_55_P2068882	0.000403	2.11	**Ccng2**	cyclin G2
A_55_P2022181	0.000296	2.11	**Arvcf**	armadillo repeat gene deleted in velo-cardio-facial syndrome
A_30_P01022815	0.003412	2.11		
A_30_P01018666	0.004922	2.10		
A_30_P01029579	0.001202	2.10		
A_52_P234354	6.16E-05	2.10	**Hic2**	hypermethylated in cancer 2
A_30_P01033515	0.002216	2.10		
A_55_P2091413	0.001975	2.09		
A_55_P2110062	0.002042	2.09		
A_30_P01024606	0.003243	2.09		
A_55_P2007243	7.89E-05	2.09	**Kcnc1**	potassium voltage gated channel, Shaw-related subfamily, member 1
A_52_P625683	0.003289	2.09	**Pxmp4**	peroxisomal membrane protein 4
A_55_P1990964	0.002043	2.09	**Osbpl11**	oxysterol binding protein-like 11
A_30_P01028812	0.002334	2.09		
A_30_P01021087	0.001706	2.08		
A_51_P120066	0.001222	2.08	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_30_P01020650	0.004793	2.08		
A_55_P2119458	0.001074	2.08	**Slc25a44**	solute carrier family 25, member 44
A_55_P1960049	0.000194	2.08	**2810408A11Rik**	RIKEN cDNA 2810408A11 gene
A_66_P117294	0.000978	2.08	**4933436H12Rik**	RIKEN cDNA 4933436H12 gene
A_51_P345649	0.004043	2.07	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_30_P01031539	0.004334	2.07		
A_51_P185247	0.00296	2.07	**Gdf10**	growth differentiation factor 10
A_30_P01029986	0.000531	2.07		
A_30_P01018838	0.001042	2.06		
A_30_P01019363	0.001448	2.06		
A_55_P2044187	0.004784	2.06		
A_51_P236738	0.004657	2.06	**Dlx6as**	distal-less homeobox 6, antisense
A_51_P120066	0.001154	2.06	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_51_P358066	0.002799	2.06	**Mkl2**	MKL/myocardin-like 2
A_55_P1955289	0.000738	2.06	**1110021L09Rik**	RIKEN cDNA 1110021L09 gene
A_55_P2027136	0.00201	2.05	**Hist1h3f**	histone cluster 1, H3f
A_30_P01030365	0.002786	2.05		
A_30_P01019577	0.001275	2.05		
A_30_P01018381	0.004632	2.05		
A_30_P01025008	0.003029	2.05		
A_55_P2018594	0.002609	2.04	**Gm6492**	predicted gene 6492
A_30_P01023742	0.002294	2.04		
A_55_P2007646	0.002353	2.04	**Cryaa**	crystallin, alpha A
A_55_P2297867	0.002433	2.04	**C85181**	expressed sequence C85181
A_51_P120066	0.001451	2.04	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_51_P266958	0.00018	2.04	**Nr1i2**	nuclear receptor subfamily 1, group I, member 2
A_51_P345649	0.00028	2.04	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_66_P135885	0.001415	2.04	**Olfr671**	olfactory receptor 671
A_52_P677891	0.002185	2.04	**Fam174b**	family with sequence similarity 174, member B
A_55_P2021490	0.000981	2.03		
A_65_P16542	0.002962	2.03		
A_55_P2044339	0.002865	2.03	**D4Ertd617e**	DNA segment, Chr 4, ERATO Doi 617, expressed
A_55_P2235917	0.001541	2.03	**Gm9856**	predicted gene 9856
A_30_P01020560	0.000436	2.03		
A_55_P2131672	0.000991	2.03	**Mical2**	microtubule associated monoxygenase, calponin and LIM domain containing 2
A_30_P01019397	0.001644	2.02		
A_30_P01021669	0.004626	2.02		
A_30_P01027419	0.004501	2.02		
A_55_P2199202	0.001973	2.02	**Il22**	interleukin 22
A_51_P120066	0.001323	2.02	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_66_P120414	0.003995	2.02	**Adcy5**	adenylate cyclase 5
A_51_P380309	0.000366	2.01	**Ncam1**	neural cell adhesion molecule 1
A_30_P01029788	8.17E-05	2.01		
A_51_P120066	0.00137	2.01	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_30_P01027042	0.001296	2.01		
A_55_P2095108	0.00077	2.01	**A430033K04Rik**	RIKEN cDNA A430033K04 gene
A_66_P125777	0.001857	2.00	**Slc43a2**	solute carrier family 43, member 2
A_30_P01019754	0.00481	2.00		

Genes that decreased by more than 2 fold in livers of mice treated with Con A and BW245C for 24 hours compared with livers of mice treated for 24 hours with Con A and vehicle

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_52_P232813	0.00014	0.087	**Cxcl3**	chemokine (C-X-C motif) ligand 3
A_51_P217463	0.000523	0.115	**Cxcl2**	chemokine (C-X-C motif) ligand 2
A_51_P254855	0.001633	0.121	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000907	0.126	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.001577	0.129	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.002036	0.132	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000762	0.138	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P317176	0.002018	0.139	**Csf3**	colony stimulating factor 3 (granulocyte)
A_51_P254855	0.000956	0.141	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.002	0.145	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.001086	0.146	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.001767	0.147	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P429252	0.000504	0.150	**Prok2**	prokineticin 2
A_52_P120803	0.000239	0.152	**Ankrd1**	ankyrin repeat domain 1 (cardiac muscle)
A_51_P254855	0.00202	0.153	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P493649	0.00201	0.158	**Sult1e1**	sulfotransferase family 1E, member 1
A_66_P126819	0.007709	0.162		
A_52_P520607	0.001679	0.180	**Ankrd22**	ankyrin repeat domain 22
A_55_P197665	0.000374	0.191	**Fgf23**	fibroblast growth factor 23
A_55_P199003	0.000356	0.195	**Cxcl5**	chemokine (C-X-C motif) ligand 5
A_30_P010257	7.80E-05	0.205		
A_52_P425839	2.95E-05	0.212	**Retnlg**	resistin like gamma
A_52_P425092	7.49E-05	0.221		
A_30_P010303	5.94E-05	0.222		
A_51_P455326	0.001944	0.227	**Sele**	selectin, endothelial cell
A_51_P401907	0.000244	0.230	**Gm5483**	predicted gene 5483
A_55_P196301	0.000214	0.237	**Stfa1**	stefin A1
A_52_P374897	0.001092	0.240	**Arg2**	arginase type II
A_51_P231320	0.000292	0.241	**Mmp8**	matrix metallopeptidase 8
A_55_P218138	0.000203	0.241	**Adm2**	adrenomedullin 2
A_55_P201297	0.004577	0.245	**Itgb2l**	integrin beta 2-like
A_51_P183812	0.001866	0.245	**Slfn4**	schlafen 4
A_55_P200155	0.000758	0.246	**Igdcc4**	immunoglobulin superfamily, DCC subclass, member 4
A_51_P499698	0.001906	0.251	**Asprv1**	aspartic peptidase, retroviral-like 1
A_52_P487686	0.000256	0.254	**BC100530**	cDNA sequence BC100530
A_55_P196507	0.000936	0.255	**Gm10499**	predicted gene 10499
A_51_P363187	0.000371	0.259	**Cxcl1**	chemokine (C-X-C motif) ligand 1
A_55_P201763	0.000111	0.260	**Thbs1**	thrombospondin 1
A_51_P439085	0.000728	0.262	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_52_P63343	0.000798	0.262	**Gm129**	predicted gene 129
A_52_P398925	0.000141	0.262	**Stfa2l1**	stefin A2 like 1
A_55_P205878	0.000682	0.263	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_55_P207117	0.003643	0.264	**Il1f9**	interleukin 1 family, member 9
A_52_P429450	0.004062	0.265	**Ngp**	neutrophilic granule protein
A_55_P196015	0.001474	0.266	**Bcat1**	branched chain aminotransferase 1, cytosolic
A_51_P424272	0.005088	0.267	**Mt4**	metallothionein 4
A_30_P010193	0.000791	0.268		
A_55_P202262	0.000248	0.268	**Oxct2b**	3-oxoacid CoA transferase 2B
A_52_P621588	0.00053	0.269	**Il28ra**	interleukin 28 receptor alpha
A_51_P488739	0.005939	0.269	**Niacr1**	niacin receptor 1
A_51_P286737	0.003314	0.269	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P423290	0.000317	0.269	**Mmrn1**	multimerin 1
A_51_P286737	0.002924	0.270	**Ccl2**	chemokine (C-C motif) ligand 2
A_30_P010209	0.001841	0.271		
A_51_P286737	0.00329	0.271	**Ccl2**	chemokine (C-C motif) ligand 2
A_66_P140121	0.00031	0.271		
A_51_P286737	0.002969	0.271	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.00327	0.272	**Ccl2**	chemokine (C-C motif) ligand 2
A_55_P202352	0.000224	0.272	**Aloxe3**	arachidonate lipoxygenase 3
A_51_P286488	0.000371	0.273	**Ier3**	immediate early response 3
A_51_P228768	0.000691	0.274	**Slfn3**	schlafen 3
A_51_P286737	0.003159	0.274	**Ccl2**	chemokine (C-C motif) ligand 2
A_55_P237848	0.007	0.275	**Kcnma1**	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
A_51_P286737	0.003152	0.276	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.003022	0.276	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P115005	0.001698	0.277	**Edn1**	endothelin 1
A_51_P286737	0.002231	0.277	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.002982	0.277	**Ccl2**	chemokine (C-C motif) ligand 2
A_55_P215874	0.0034	0.277	**Nos2**	nitric oxide synthase 2, inducible
A_51_P485756	0.007825	0.279	**Nts**	neurotensin
A_30_P010201	0.000768	0.281		
A_51_P105380	5.11E-05	0.283	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_30_P010232	0.005709	0.284		
A_55_P203888	0.0029	0.285	**Niacr1**	niacin receptor 1
A_30_P010234	0.000463	0.287		
A_55_P214178	0.000145	0.287	**Pard6g**	par-6 partitioning defective 6 homolog gamma (C. elegans)
A_55_P215874	0.004323	0.288	**Nos2**	nitric oxide synthase 2, inducible
A_55_P210395	0.001589	0.290		
A_55_P209575	0.004273	0.291	**Mrgpra5**	MAS-related GPR, member A5
A_55_P202524	8.27E-05	0.291	**Mxd1**	MAX dimerization protein 1
A_51_P508838	0.00257	0.292	**Kcne4**	potassium voltage-gated channel, Isk-related subfamily, gene 4
A_55_P206845	0.001521	0.293	**Hspa1a**	heat shock protein 1A
A_51_P263246	0.00338	0.295	**Dusp8**	dual specificity phosphatase 8
A_51_P350453	0.000455	0.296	**Pdk4**	pyruvate dehydrogenase kinase, isoenzyme 4
A_55_P209839	0.002581	0.296	**Trim30c**	tripartite motif-containing 30C
A_55_P198111	0.001195	0.296	**Lman1l**	lectin, mannose-binding 1 like
A_30_P010261	0.000394	0.297		
A_55_P201645	0.004032	0.298	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_55_P215195	0.004525	0.302		
A_51_P123625	0.001689	0.302	**Irg1**	immunoresponsive gene 1
A_55_P214901	0.000392	0.302	**Hif1a**	hypoxia inducible factor 1, alpha subunit
A_51_P383032	0.002614	0.302	**Clec4d**	C-type lectin domain family 4, member d
A_55_P199847	0.000557	0.304	**S100a9**	S100 calcium binding protein A9 (calgranulin B)
A_55_P205082	0.000337	0.304	**Olfr469**	olfactory receptor 469
A_51_P105380	0.00038	0.305	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_66_P108380	0.000139	0.305	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P216838	0.00249	0.306	**Myo18b**	myosin XVIIIb
A_55_P209694	0.001519	0.306	**Ereg**	epiregulin
A_51_P105380	0.000119	0.306	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P217865	0.004461	0.310		
A_51_P256827	0.00057	0.310	**S100a8**	S100 calcium binding protein A8 (calgranulin A)
A_51_P105380	0.000161	0.310	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P105380	8.25E-05	0.311	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P214708	0.001078	0.311	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_51_P123625	0.001158	0.311	**Irg1**	immunoresponsive gene 1
A_51_P123625	0.002745	0.312	**Irg1**	immunoresponsive gene 1
A_51_P123625	0.00237	0.312	**Irg1**	immunoresponsive gene 1
A_51_P470079	0.0032	0.312	**Il1r2**	interleukin 1 receptor, type II
A_30_P010287	0.000663	0.312		
A_55_P195335	0.005218	0.312	**Triobp**	TRIO and F-actin binding protein
A_51_P436652	0.000979	0.312	**Ccl7**	chemokine (C-C motif) ligand 7
A_51_P115005	0.001844	0.313	**Edn1**	endothelin 1
A_51_P123625	0.001533	0.314	**Irg1**	immunoresponsive gene 1
A_55_P210612	0.003916	0.314	**Il21**	interleukin 21
A_51_P105380	6.74E-05	0.314	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P123625	0.001612	0.315	**Irg1**	immunoresponsive gene 1
A_51_P212782	0.005887	0.315	**Il1b**	interleukin 1 beta
A_51_P105380	0.000397	0.316	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P120589	0.000168	0.316	**Olfr181**	olfactory receptor 181
A_55_P198838	0.001005	0.318	**Slc7a3**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3
A_51_P105380	0.00011	0.318	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P123625	0.001221	0.318	**Irg1**	immunoresponsive gene 1
A_51_P105380	0.000115	0.319	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_52_P559748	0.003528	0.319	**Hist1h2bq**	histone cluster 1, H2bq
A_51_P105380	0.000232	0.320	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_52_P559975	0.002671	0.321	**Cxcr2**	chemokine (C-X-C motif) receptor 2
A_51_P308796	3.10E-05	0.321	**Fosl1**	fos-like antigen 1
A_51_P115005	0.000853	0.321	**Edn1**	endothelin 1
A_51_P172853	0.006804	0.322	**Cd14**	CD14 antigen
A_51_P123625	0.001889	0.323	**Irg1**	immunoresponsive gene 1

A_51_P2127	0.00719	0.32	**Il1b**	interleukin 1 beta
A_51_P1150	0.00069	0.32	**Edn1**	endothelin 1
A_51_P2796	0.00053	0.32	**Socs1**	suppressor of cytokine signaling 1
A_55_P2031	0.00410	0.32		
A_55_P2147	0.002	0.32	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_55_P2032	0.00089	0.32	**Rgs9**	regulator of G-protein signaling 9
A_55_P1962	0.00584	0.32	**Nup62cl**	nucleoporin 62 C-terminal like
A_51_P4899	0.00044	0.32		
A_51_P2127	0.00516	0.32	**Il1b**	interleukin 1 beta
A_51_P1236	0.00229	0.32	**Irg1**	immunoresponsive gene 1
A_30_P0102	0.00068	0.32		
A_51_P2127	0.00714	0.32	**Il1b**	interleukin 1 beta
A_52_P6889	0.00159	0.33	**Ifng**	interferon gamma
A_51_P1150	0.00198	0.33	**Edn1**	endothelin 1
A_52_P6083	0.00129	0.33	**Maff**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)
A_52_P1614	0.00331	0.33	**Clec4e**	C-type lectin domain family 4, member e
A_55_P2119	0.00149	0.33	**Serpine1**	serine (or cysteine) peptidase inhibitor, clade E, member 1
A_55_P2107	0.00559	0.33	**Duoxa2**	dual oxidase maturation factor 2
A_55_P1992	4.31E-	0.33	**Rergl**	RERG/RAS-like
A_51_P1150	0.00183	0.33	**Edn1**	endothelin 1
A_55_P2010	0.00068	0.33	**Tnfsf9**	tumor necrosis factor (ligand) superfamily, member 9
A_51_P1166	0.00045	0.33	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2008	0.00258	0.33		
A_51_P2127	0.00779	0.33	**Il1b**	interleukin 1 beta
A_55_P2186	0.00011	0.33	**Sphk1**	sphingosine kinase 1
A_55_P2050	0.00071	0.33		
A_51_P2127	0.00842	0.33	**Il1b**	interleukin 1 beta
A_55_P2016	0.00243	0.33	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_51_P1150	0.00065	0.34	**Edn1**	endothelin 1
A_55_P1961	0.00265	0.34	**Pdpn**	podoplanin
A_30_P0102	0.00035	0.34		
A_51_P2486	0.00195	0.34	**Cd274**	CD274 antigen
A_55_P2015	0.00030	0.34		
A_52_P6889	0.00141	0.34	**Ifng**	interferon gamma
A_51_P1150	0.00165	0.34	**Edn1**	endothelin 1
A_51_P2127	0.00768	0.34	**Il1b**	interleukin 1 beta
A_55_P2000	0.00057	0.34	**Nrip3**	nuclear receptor interacting protein 3
A_51_P2127	0.00736	0.34	**Il1b**	interleukin 1 beta
A_51_P1166	0.00085	0.34	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P3972	0.0046	0.34	**Marveld3**	MARVEL (membrane-associating) domain containing 3
A_30_P0101	0.00010	0.34		
A_55_P2104	0.00131	0.34	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_55_P2216	0.00041	0.34	**2610209C05Rik**	RIKEN cDNA 2610209C05 gene
A_55_P1985	0.00288	0.34	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_52_P2914	0.00122	0.34	**Gm5458**	predicted gene 5458
A_52_P6813	0.00019	0.34	**Plaur**	plasminogen activator, urokinase receptor
A_51_P1150	0.00233	0.34	**Edn1**	endothelin 1
A_51_P1166	0.00028	0.34	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_30_P0102	0.00076	0.35		
A_51_P1166	0.00033	0.35	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_30_P0103	0.00066	0.35		
A_51_P5012	0.00043	0.35	**Sphk1**	sphingosine kinase 1
A_55_P2081	0.00046	0.35	**Pglyrp1**	peptidoglycan recognition protein 1
A_51_P2655	0.00660	0.35	**Adm**	adrenomedullin
A_51_P1872	0.00071	0.35	**Mmp25**	matrix metallopeptidase 25
A_55_P1993	0.00048	0.35	**Adora2b**	adenosine A2b receptor
A_51_P2127	0.00810	0.35	**Il1b**	interleukin 1 beta
A_55_P2026	0.00231	0.35		
A_55_P2010	0.00044	0.35	**Samsn1**	SAM domain, SH3 domain and nuclear localization signals, 1
A_55_P2121	0.00095	0.35		
A_55_P2142	0.00203	0.35	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_30_P0103	0.00418	0.35		
A_51_P1166	0.00142	0.35	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P1857	0.00039	0.35	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_52_P1014	0.00145	0.35	**Ddn**	dendrin
A_55_P2024	0.00345	0.35	**Gm1987**	predicted gene 1987
A_51_P2556	0.00107	0.35	**Mmp3**	matrix metallopeptidase 3
A_51_P1150	0.00243	0.35	**Edn1**	endothelin 1
A_51_P1236	0.0048	0.35	**Irg1**	immunoresponsive gene 1
A_51_P1396	0.00615	0.35	**Sprr1a**	small proline-rich protein 1A
A_51_P1166	0.00086	0.35	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2038	0.00195	0.35		
A_55_P2054	0.00604	0.35	**Rnd1**	Rho family GTPase 1
A_52_P6046	0.00019	0.35	**Csrnp1**	cysteine-serine-rich nuclear protein 1
A_30_P0103	0.00080	0.35		
A_51_P1166	0.00062	0.35	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P4753	0.004	0.36	**Chrnb1**	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)
A_30_P0102	0.00357	0.36		
A_55_P1969	0.00202	0.36	**Rgs9**	regulator of G-protein signaling 9
A_51_P4744	1.76E-	0.36	**Socs3**	suppressor of cytokine signaling 3
A_30_P0102	0.00193	0.36		
A_52_P6547	0.00047	0.36	**Trim69**	tripartite motif-containing 69
A_51_P3821	0.00188	0.36	**Procr**	protein C receptor, endothelial
A_55_P2185	0.00159	0.36	**Nrg4**	neuregulin 4
A_51_P5135	0.00189	0.36	**Stx11**	syntaxin 11
A_51_P3857	0.00708	0.36	**Cd177**	CD177 antigen
A_51_P1166	0.0002	0.36	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2079	0.00375	0.36	**Bcat1**	branched chain aminotransferase 1, cytosolic
A_55_P2011	0.00355	0.37	**Junb**	Jun-B oncogene
A_55_P1994	2.35E-	0.37	**Catsper4**	cation channel, sperm associated 4
A_55_P2173	0.00052	0.37	**Isg20**	interferon-stimulated protein
A_51_P1760	0.00493	0.37	**Ffar2**	free fatty acid receptor 2
A_30_P0101	0.00082	0.37		
A_55_P2099	0.00263	0.37	**F730043M19Rik**	RIKEN cDNA F730043M19 gene
A_55_P2186	0.00040	0.37	**Gm7896**	predicted gene 7896
A_55_P1966	0.00029	0.37	**Mybl1**	myeloblastosis oncogene-like 1
A_55_P2000	0.00455	0.37	**Phox2a**	paired-like homeobox 2a
A_30_P0103	0.0017	0.37		
A_51_P4998	0.00049	0.37	**Bst1**	bone marrow stromal cell antigen 1
A_51_P4816	0.00706	0.37	**Ero1l**	ERO1-like (S. cerevisiae)
A_55_P2177	0.00207	0.37		
A_51_P4307	0.00215	0.37	**Il10**	interleukin 10
A_66_P1099	0.00147	0.37	**Cd33**	CD33 antigen
A_51_P5149	0.00715	0.37	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_52_P1841	3.57E-	0.38	**Mthfd2**	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate
A_55_P1970	0.00382	0.38		
A_55_P2137	0.00097	0.38	**AA467197**	expressed sequence AA467197
A_55_P2149	0.00405	0.38		
A_55_P1955	0.00146	0.38		
A_55_P2149	0.00282	0.38	**Fpr-rs6**	formyl peptide receptor, related sequence 6
A_55_P2010	0.00019	0.38	**Sell**	selectin, lymphocyte
A_55_P2183	0.0002	0.38	**Runx1**	runt related transcription factor 1
A_51_P1111	0.00524	0.38	**Rnd1**	Rho family GTPase 1
A_51_P1250	0.00068	0.38	**Oxct2a**	3-oxoacid CoA transferase 2A
A_30_P0102	0.00859	0.38		
A_51_P1205	0.0024	0.38	**Olfr181**	olfactory receptor 181
A_55_P2179	0.00394	0.38	**Celsr3**	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)
A_55_P2142	0.00327	0.38	**Serpina3i**	serine (or cysteine) peptidase inhibitor, clade A, member 3I
A_55_P2192	0.00566	0.38	**A530023O14Rik**	RIKEN cDNA A530023O14 gene
A_55_P2012	0.00211	0.38	**Bmp8b**	bone morphogenetic protein 8b
A_51_P1166	0.00099	0.38	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2133	0.00397	0.38	**Gm8995**	predicted gene 8995
A_55_P1966	0.00079	0.38	**Ifi203**	interferon activated gene 203
A_51_P3124	0.00646	0.38	**Fpr1**	formyl peptide receptor 1
A_30_P0101	0.00592	0.38		
A_55_P1997	0.00042	0.39	**Il6**	interleukin 6
A_30_P0103	0.00264	0.39		
A_55_P1997	0.00028	0.39	**Il6**	interleukin 6
A_51_P2089	0.0065	0.39	**Stc2**	stanniocalcin 2
A_55_P2115	0.00135	0.39	**Nrg4**	neuregulin 4
A_30_P0102	0.00105	0.39		
A_66_P1287	0.00508	0.39	**Pydc3**	pyrin domain containing 3

A_55_P2082	0.00037	0.39	**Tnfrsf9**	tumor necrosis factor receptor superfamily, member 9
A_30_P0101	0.00469	0.39		
A_51_P5095	0.00229	0.39	**Ccl4**	chemokine (C-C motif) ligand 4
A_52_P1749	0.00282	0.39	**Gja1**	gap junction protein, alpha 1
A_55_P2109	0.00347	0.39	**Trim6**	tripartite motif-containing 6
A_51_P4307	0.00126	0.39	**Il10**	interleukin 10
A_30_P0102	0.00264	0.39		
A_55_P2063	0.00363	0.39	**5430405G05Rik**	RIKEN cDNA 5430405G05 gene
A_55_P2019	0.00044	0.39	**Mrgpra2b**	MAS-related GPR, member A2B
A_55_P2011	0.00048	0.39		
A_30_P0102	0.00287	0.39		
A_55_P2100	0.00756	0.39	**Ptgds**	prostaglandin D2 synthase (brain)
A_51_P4526	0.00258	0.39	**Tlr2**	toll-like receptor 2
A_55_P2172	0.00086	0.39	**Mrgpra2a**	MAS-related GPR, member A2A
A_66_P1389	0.00175	0.39	**Lox**	lysyl oxidase
A_55_P2115	0.00312	0.39	**Bst1**	bone marrow stromal cell antigen 1
A_52_P6451	0.00499	0.39	**Herc6**	hect domain and RLD 6
A_30_P0102	0.0005	0.39		
A_30_P0102	0.00135	0.39		
A_66_P1077	0.00311	0.39	**Smox**	spermine oxidase
A_52_P5717	0.00014	0.40	**Sh2d5**	SH2 domain containing 5
A_51_P1558	0.00478	0.40	**Ppp1r3g**	protein phosphatase 1, regulatory (inhibitor) subunit 3G
A_52_P1197	0.00219	0.40	**Gadd45b**	growth arrest and DNA-damage-inducible 45 beta
A_55_P2053	0.00212	0.40	**Tnfaip3**	tumor necrosis factor, alpha-induced protein 3
A_55_P1959	0.00127	0.40	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_51_P2472	0.00220	0.40	**Alox5**	arachidonate 5-lipoxygenase
A_51_P2966	0.00117	0.40	**Gadd45a**	growth arrest and DNA-damage-inducible 45 alpha
A_52_P3121	0.0029	0.40	**Sema3g**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin)
A_55_P1999	0.00238	0.40	**Gm3366**	predicted gene 3366
A_55_P2101	0.00266	0.40	**Alpk1**	alpha-kinase 1
A_55_P2000	0.00618	0.40	**Rab44**	RAB44, member RAS oncogene family
A_55_P2161	0.00218	0.40		
A_30_P0102	0.00713	0.40		
A_30_P0102	0.00219	0.40		
A_51_P2546	0.00100	0.40	**Hdc**	histidine decarboxylase
A_55_P2025	0.00226	0.40	**Cpe**	carboxypeptidase E
A_30_P0102	0.00274	0.40		
A_30_P0102	0.00057	0.40		
A_55_P2067	0.00104	0.40	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_55_P2106	0.00365	0.40	**Map3k6**	mitogen-activated protein kinase kinase kinase 6
A_55_P2154	0.00040	0.40	**Gfpt2**	glutamine fructose-6-phosphate transaminase 2
A_30_P0102	0.00325	0.40		
A_51_P2378	0.00442	0.40	**Il4**	interleukin 4
A_55_P2188	0.00028	0.40	**C030034E14Rik**	RIKEN cDNA C030034E14 gene
A_52_P3183	0.00031	0.40	**Ces2c**	carboxylesterase 2C
A_51_P2065	0.00074	0.40	**Runx1**	runt related transcription factor 1
A_52_P4639	0.00409	0.40	**Krtap16-10**	keratin associated protein 16-10
A_30_P0102	0.000	0.40		
A_51_P2587	0.00211	0.40	**Tpsg1**	tryptase gamma 1
A_30_P0102	0.00116	0.40		
A_51_P1205	0.00341	0.40	**Olfr181**	olfactory receptor 181
A_55_P1969	0.00183	0.41		
A_30_P0102	0.00067	0.41		
A_51_P2262	0.00401	0.41	**1190002H23Rik**	RIKEN cDNA 1190002H23 gene
A_51_P2945	0.00027	0.41	**Ifitm6**	interferon induced transmembrane protein 6
A_55_P1998	0.00264	0.41	**Oas1g**	2'-5' oligoadenylate synthetase 1G
A_55_P2085	0.00043	0.41		
A_52_P5140	0.00500	0.41	**Padi4**	peptidyl arginine deiminase, type IV
A_51_P3258	0.0004	0.41	**1810033B17Rik**	RIKEN cDNA 1810033B17 gene
A_55_P2079	0.00206	0.41		
A_55_P2035	0.00216	0.41	**Pyhin1**	pyrin and HIN domain family, member 1
A_55_P2032	3.12E-	0.41	**Lox**	lysyl oxidase
A_55_P2101	0.00386	0.41	**Arrdc4**	arrestin domain containing 4
A_51_P4526	0.00501	0.41	**Tlr2**	toll-like receptor 2
A_51_P4841	6.50E-	0.41	**Steap1**	six transmembrane epithelial antigen of the prostate 1
A_55_P2063	0.00043	0.41	**Dusp5**	dual specificity phosphatase 5
A_66_P1125	0.00089	0.41	**Isg20**	interferon-stimulated protein
A_55_P2103	0.00276	0.41	**Ccr8**	chemokine (C-C motif) receptor 8
A_55_P2116	0.00267	0.41	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P4526	0.0042	0.41	**Tlr2**	toll-like receptor 2
A_55_P1998	0.0019	0.41	**Ifi203**	interferon activated gene 203
A_55_P2090	0.00209	0.41		
A_55_P2107	0.0075	0.41		
A_51_P1708	0.00470	0.41	**Map3k6**	mitogen-activated protein kinase kinase kinase 6
A_55_P1998	0.00179	0.41	**Smox**	spermine oxidase
A_55_P2036	0.00168	0.41	**Pydc3**	pyrin domain containing 3
A_55_P2125	5.80E-	0.41	**Fam71f2**	family with sequence similarity 71, member F2
A_30_P0103	0.00670	0.41		
A_51_P1651	0.00673	0.41	**Batf2**	basic leucine zipper transcription factor, ATF-like 2
A_55_P2004	0.00448	0.42		
A_55_P1971	0.00186	0.42	**F3**	coagulation factor III
A_51_P2378	0.00179	0.42	**Il4**	interleukin 4
A_51_P2208	0.00706	0.42	**Gdf9**	growth differentiation factor 9
A_55_P2004	0.0013	0.42	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_52_P2430	0.0001	0.42	**Uchl1**	ubiquitin carboxy-terminal hydrolase L1
A_55_P2036	0.0004	0.42	**Gm5797**	predicted gene 5797
A_55_P2007	0.00031	0.42		
A_51_P2040	0.00614	0.42	**Hk2**	hexokinase 2
A_51_P1284	0.00052	0.42	**Grrp1**	glycine/arginine rich protein 1
A_52_P1749	0.00418	0.42	**Gja1**	gap junction protein, alpha 1
A_51_P4526	0.00691	0.42	**Tlr2**	toll-like receptor 2
A_55_P1964	0.00245	0.42	**Tcfap2a**	transcription factor AP-2, alpha
A_55_P2035	0.0067	0.42	**Gm8884**	predicted gene 8884
A_55_P2125	2.24E-	0.42		
A_55_P2187	0.00295	0.42		
A_52_P6272	0.00032	0.42	**Ces2b**	carboxyesterase 2B
A_51_P4526	0.00446	0.42	**Tlr2**	toll-like receptor 2
A_55_P2153	0.00354	0.42	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_52_P6285	0.0002	0.42	**Pvr**	poliovirus receptor
A_51_P1815	0.00797	0.42	**Hbegf**	heparin-binding EGF-like growth factor
A_51_P3156	2.22E-	0.42	**Igf2bp2**	insulin-like growth factor 2 mRNA binding protein 2
A_30_P0102	0.0015	0.42		
A_51_P1116	0.00025	0.42	**Arrdc4**	arrestin domain containing 4
A_52_P2299	0.00557	0.42	**Ostb**	organic solute transporter beta
A_30_P0102	0.00617	0.42		
A_51_P1407	0.00825	0.42	**Ccl3**	chemokine (C-C motif) ligand 3
A_51_P4526	0.0060	0.42	**Tlr2**	toll-like receptor 2
A_51_P1116	0.00036	0.42	**Arrdc4**	arrestin domain containing 4
A_51_P4526	0.00527	0.42	**Tlr2**	toll-like receptor 2
A_52_P1797	0.00213	0.43	**Ripk2**	receptor (TNFRSF)-interacting serine-threonine kinase 2
A_55_P2044	0.00269	0.43	**Gpr84**	G protein-coupled receptor 84
A_51_P4526	0.00646	0.43	**Tlr2**	toll-like receptor 2
A_55_P2023	0.00388	0.43	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_55_P2159	0.00050	0.43		
A_55_P1962	0.00161	0.43	**Mnda**	myeloid cell nuclear differentiation antigen
A_55_P2052	0.00261	0.43	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_55_P1967	0.0004	0.43		
A_55_P2011	0.00733	0.43		
A_52_P1749	0.00604	0.43	**Gja1**	gap junction protein, alpha 1
A_52_P1749	0.00432	0.43	**Gja1**	gap junction protein, alpha 1
A_55_P2008	0.00446	0.43	**Ch25h**	cholesterol 25-hydroxylase
A_30_P0102	0.00409	0.43		
A_55_P2125	0.00162	0.43	**Arid5a**	AT rich interactive domain 5A (MRF1-like)
A_51_P2677	0.00486	0.43	**Il11**	interleukin 11
A_30_P0102	0.0005	0.43		
A_55_P2122	0.00095	0.43	**Klf4**	Kruppel-like factor 4 (gut)
A_55_P1985	0.00509	0.43	**Fhdc1**	FH2 domain containing 1
A_52_P9862	0.00565	0.43	**Ankrd57**	ankyrin repeat domain 57
A_66_P1066	0.00018	0.43	**Slc7a1**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
A_52_P2263	0.00481	0.43		
A_55_P1962	0.00191	0.43	**Il1rn**	interleukin 1 receptor antagonist
A_30_P0102	0.00185	0.43		

A_51_P1205	0.00230	0.43	**Olfr181**	olfactory receptor 181
A_51_P4419	0.00137	0.43	**Itga2**	integrin alpha 2
A_55_P2395	0.00254	0.43	**D2Ertd295e**	DNA segment, Chr 2, ERATO Doi 295, expressed
A_55_P2051	0.00057	0.43		
A_30_P0101	0.00069	0.43		
A_51_P4526	0.00534	0.43	**Tlr2**	toll-like receptor 2
A_51_P3788	0.00332	0.43	**Pfkp**	phosphofructokinase, platelet
A_52_P1749	0.00395	0.43	**Gja1**	gap junction protein, alpha 1
A_30_P0102	0.00349	0.43		
A_51_P3194	2.65E-	0.43	**Osmr**	oncostatin M receptor
A_55_P2115	0.00807	0.43	**Fap**	fibroblast activation protein
A_51_P4526	0.00742	0.43	**Tlr2**	toll-like receptor 2
A_55_P1984	0.0023	0.43	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_30_P0102	0.00317	0.43		
A_66_P1306	0.0021	0.43	**Tyms**	thymidylate synthase
A_30_P0102	0.00185	0.43		
A_51_P1116	0.0005	0.44	**Arrdc4**	arrestin domain containing 4
A_51_P2234	0.00081	0.44	**Slc39a10**	solute carrier family 39 (zinc transporter), member 10
A_30_P0101	0.00167	0.44		
A_52_P5302	0.00380	0.44	**Pim1**	proviral integration site 1
A_55_P1960	0.00611	0.44	**Slc2a6**	solute carrier family 2 (facilitated glucose transporter), member 6
A_30_P0102	0.00490	0.44		
A_55_P1978	0.00399	0.44	**Tspan8**	tetraspanin 8
A_55_P2090	0.00019	0.44		
A_55_P1955	0.00209	0.44	**Adamts4**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif,
A_51_P2671	0.00011	0.44		
A_55_P2091	0.00317	0.44	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_55_P1997	0.00516	0.44	**Gm5416**	predicted gene 5416
A_51_P1119	0.00787	0.44	**Bean1**	brain expressed, associated with Nedd4, 1
A_51_P2342	0.00427	0.44	**Sdcbp2**	syndecan binding protein (syntenin) 2
A_55_P2030	0.00124	0.44	**ENSMUSG0000006879**	predicted gene, ENSMUSG00000068790
A_55_P1968	0.00289	0.44	**Plekhh1**	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1
A_55_P2066	0.00073	0.44	**Enah**	enabled homolog (Drosophila)
A_55_P2019	0.0079	0.44	**Oas2**	2'-5' oligoadenylate synthetase 2
A_51_P1116	0.00060	0.44	**Arrdc4**	arrestin domain containing 4
A_55_P1959	0.0063	0.44	**Asns**	asparagine synthetase
A_30_P0102	0.00286	0.44		
A_51_P1116	0.00020	0.44	**Arrdc4**	arrestin domain containing 4
A_51_P2435	0.00374	0.44	**Macc1**	metastasis associated in colon cancer 1
A_51_P4907	0.00091	0.44	**Mxd1**	MAX dimerization protein 1
A_30_P0102	0.00164	0.44		
A_52_P6634	0.00067	0.44	**P4ha2**	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II
A_30_P0102	0.00044	0.44		
A_30_P0102	0.0036	0.44		
A_66_P1344	0.00194	0.44	**Lif**	leukemia inhibitory factor
A_30_P0102	0.00287	0.44		
A_66_P1292	0.00610	0.44	**Lekr1**	leucine, glutamate and lysine rich 1
A_55_P1972	0.0072	0.44		
A_55_P2036	0.00210	0.44	**Pyhin1**	pyrin and HIN domain family, member 1
A_55_P2359	0.00461	0.44	**Nod2**	nucleotide-binding oligomerization domain containing 2
A_55_P1954	0.0071	0.44	**Lekr1**	leucine, glutamate and lysine rich 1
A_52_P1996	0.00650	0.44	**Trim30d**	tripartite motif-containing 30D
A_51_P1116	0.00041	0.44	**Arrdc4**	arrestin domain containing 4
A_55_P1975	0.00165	0.44	**Ifi204**	interferon activated gene 204
A_55_P2136	0.00099	0.44	**Ppp1r15a**	protein phosphatase 1, regulatory (inhibitor) subunit 15A
A_30_P0102	0.00017	0.45		
A_51_P1116	0.0004	0.45	**Arrdc4**	arrestin domain containing 4
A_52_P3866	0.00408	0.45	**Irak3**	interleukin-1 receptor-associated kinase 3
A_51_P3965	0.00096	0.45	**Plod2**	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2
A_55_P2066	0.00167	0.45	**Ifi204**	interferon activated gene 204
A_55_P2036	0.00046	0.45	**LOC100503637**	envelope glycoprotein-like
A_51_P1116	0.00036	0.45	**Arrdc4**	arrestin domain containing 4
A_30_P0101	0.00290	0.45		
A_30_P0102	0.00140	0.45		
A_52_P1749	0.00391	0.45	**Gja1**	gap junction protein, alpha 1
A_30_P0102	0.00237	0.45		
A_51_P4444	0.0028	0.45	**Cebpd**	CCAAT/enhancer binding protein (C/EBP), delta
A_52_P2971	0.00044	0.45		
A_66_P1285	0.0007	0.45	**Slfn5**	schlafen 5
A_55_P2020	0.00145	0.45	**Gm8120**	predicted gene 8120
A_30_P0103	0.00440	0.45		
A_66_P1396	5.47E-	0.45	**Stfa2**	stefin A2
A_55_P2039	0.00385	0.45	**Pydc4**	pyrin domain containing 4
A_55_P2074	0.00250	0.45	**Ptpn14**	protein tyrosine phosphatase, non-receptor type 14
A_52_P1749	0.00465	0.45	**Gja1**	gap junction protein, alpha 1
A_55_P1959	0.00068	0.45		
A_55_P2003	0.00347	0.45	**H2-T24**	histocompatibility 2, T region locus 24
A_55_P1998	0.00064	0.45		
A_55_P2169	0.00305	0.45		
A_51_P2429	0.0027	0.45	**Piwil2**	piwi-like homolog 2 (Drosophila)
A_30_P0102	0.00514	0.45		
A_30_P0103	0.00288	0.45		
A_55_P2181	0.00168	0.45	**Pydc3**	pyrin domain containing 3
A_52_P6132	0.00276	0.45	**Icam1**	intercellular adhesion molecule 1
A_51_P1480	0.00108	0.45	**Sh3pxd2b**	SH3 and PX domains 2B
A_55_P2024	0.00262	0.45	**Cpe**	carboxypeptidase E
A_30_P0102	0.00037	0.45		
A_51_P4647	0.00436	0.45	**Slc2a1**	solute carrier family 2 (facilitated glucose transporter), member 1
A_55_P2057	0.00503	0.46	**Gm12250**	predicted gene 12250
A_51_P1116	0.0005	0.46	**Arrdc4**	arrestin domain containing 4
A_30_P0102	0.00165	0.46		
A_52_P3154	0.00288	0.46	**Btg2**	B-cell translocation gene 2, anti-proliferative
A_55_P2003	0.00086	0.46	**Sh2d5**	SH2 domain containing 5
A_55_P2095	0.00038	0.46	**Tcp10b**	t-complex protein 10b
A_52_P3276	0.00729	0.46	**Gbp5**	guanylate binding protein 5
A_30_P0102	0.00102	0.46		
A_30_P0102	0.00091	0.46		
A_51_P1116	0.00076	0.46	**Arrdc4**	arrestin domain containing 4
A_55_P1966	0.00601	0.46	**9930105H17Rik**	RIKEN cDNA 9930105H17 gene
A_30_P0102	0.0004	0.46		
A_51_P5076	0.0003	0.46	**Itpkc**	inositol 1,4,5-trisphosphate 3-kinase C
A_51_P1314	0.00156	0.46	**Tnfrsf12a**	tumor necrosis factor receptor superfamily, member 12a
A_55_P2173	0.00314	0.46		
A_55_P2444	0.00022	0.46	**Akap2**	A kinase (PRKA) anchor protein 2
A_30_P0101	0.00065	0.46		
A_51_P2378	0.00220	0.46	**Il4**	interleukin 4
A_55_P2022	0.0001	0.46	**Oxct2b**	3-oxoacid CoA transferase 2B
A_30_P0103	0.00369	0.46		
A_30_P0103	0.00660	0.46		
A_66_P1174	0.00514	0.46	**Dlk1**	delta-like 1 homolog (Drosophila)
A_55_P2022	0.00042	0.46	**Klf10**	Kruppel-like factor 10
A_55_P2014	0.0076	0.46	**Sema3a**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin)
A_52_P1749	0.00331	0.46	**Gja1**	gap junction protein, alpha 1
A_55_P2058	0.0067	0.46	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_30_P0101	0.00687	0.46		
A_55_P2108	5.21E-	0.46		
A_55_P2060	0.00178	0.46	**Gm5797**	predicted gene 5797
A_55_P2212	0.00621	0.47	**C80012**	expressed sequence C80012
A_51_P1794	0.00065	0.47	**Eid3**	EP300 interacting inhibitor of differentiation 3
A_55_P2052	0.00027	0.47	**Psat1**	phosphoserine aminotransferase 1
A_51_P2754	0.00228	0.47	**Trim30a**	tripartite motif-containing 30A
A_55_P2124	0.0022	0.47	**Ces2c**	carboxylesterase 2C
A_51_P2546	0.00174	0.47	**Jdp2**	Jun dimerization protein 2
A_52_P4632	0.00119	0.47	**Ankrd33b**	ankyrin repeat domain 33B
A_51_P2751	0.00546	0.47	**Chst11**	carbohydrate sulfotransferase 11
A_66_P1214	0.00569	0.47	**Psat1**	phosphoserine aminotransferase 1
A_55_P1990	0.00114	0.47		
A_55_P1988	0.00722	0.47		
A_55_P2112	0.00602	0.47	**Iigp1b**	interferon inducible GTPase 1B
A_52_P3870	0.00348	0.47	**Egln3**	EGL nine homolog 3 (C. elegans)
A_30_P0101	0.00155	0.47		
A_30_P0102	0.00243	0.47		

A_55_P1981	0.00216	0.47		
A_55_P1960	0.00366	0.47	**Egln3**	EGL nine homolog 3 (C. elegans)
A_51_P4585	0.00260	0.47	**Fpr-rs3**	formyl peptide receptor, related sequence 3
A_55_P2052	0.00332	0.47	**Cd200**	CD200 antigen
A_55_P2243	0.00271	0.47	**Gdap10**	ganglioside-induced differentiation-associated-protein 10
A_55_P2105	0.0056	0.47		
A_55_P2130	0.00472	0.47		
A_55_P2170	0.00112	0.47	**Igf2bp2**	insulin-like growth factor 2 mRNA binding protein 2
A_51_P1264	0.0001	0.47	**Enc1**	ectodermal-neural cortex 1
A_55_P2033	0.00549	0.47	**Egr2**	early growth response 2
A_55_P2071	0.0003	0.47	**Wdr92**	WD repeat domain 92
A_51_P4170	0.00047	0.47	**Arhgap8**	Rho GTPase activating protein 8
A_55_P2180	0.00063	0.47	**Gls**	glutaminase
A_51_P1140	0.00345	0.47	**Ncs1**	neuronal calcium sensor 1
A_55_P2172	0.00161	0.47	**A530064D06Rik**	RIKEN cDNA A530064D06 gene
A_51_P1264	0.00011	0.47	**Enc1**	ectodermal-neural cortex 1
A_51_P1264	6.94E-	0.47	**Enc1**	ectodermal-neural cortex 1
A_55_P2117	0.00243	0.47	**Tnfrsf13c**	tumor necrosis factor receptor superfamily, member 13c
A_55_P2140	0.00107	0.47		
A_30_P0103	0.00455	0.47		
A_55_P1958	0.00151	0.47	**LOC545005**	hypothetical protein LOC545005
A_51_P1264	0.00010	0.47	**Enc1**	ectodermal-neural cortex 1
A_55_P2036	5.35E-	0.47	**Ifna11**	interferon alpha 11
A_30_P0102	0.00093	0.47		
A_52_P6672	0.00115	0.47	**Lass6**	LAG1 homolog, ceramide synthase 6
A_66_P1217	0.0057	0.47	**Samd9l**	sterile alpha motif domain containing 9-like
A_30_P0101	0.00282	0.47		
A_55_P2041	0.00509	0.48	**F420015M19Rik**	RIKEN cDNA F420015M19 gene
A_55_P2007	0.00107	0.48		
A_66_P1236	0.00774	0.48		
A_30_P0102	0.00223	0.48		
A_52_P4990	0.00312	0.48	**9130008F23Rik**	RIKEN cDNA 9130008F23 gene
A_55_P2319	0.00083	0.48	**9430076C15Rik**	RIKEN cDNA 9430076C15 gene
A_30_P0102	0.00492	0.48		
A_30_P0102	0.00036	0.48		
A_30_P0101	0.00609	0.48		
A_51_P1264	7.23E-	0.48	**Enc1**	ectodermal-neural cortex 1
A_51_P2378	0.00265	0.48	**Il4**	interleukin 4
A_55_P2056	0.00083	0.48	**Treml2**	triggering receptor expressed on myeloid cells-like 2
A_51_P2378	0.0070	0.48	**Il4**	interleukin 4
A_55_P2029	0.00274	0.48	**Hmox1**	heme oxygenase (decycling) 1
A_51_P1568	0.00050	0.48	**2010002N04Rik**	RIKEN cDNA 2010002N04 gene
A_51_P1264	0.0001	0.48	**Enc1**	ectodermal-neural cortex 1
A_51_P3678	0.00543	0.48	**Egr1**	early growth response 1
A_55_P2092	0.00283	0.48	**Tgif1**	TGFB-induced factor homeobox 1
A_30_P0102	0.00027	0.48		
A_51_P1264	0.00025	0.48	**Enc1**	ectodermal-neural cortex 1
A_51_P1264	0.00020	0.48	**Enc1**	ectodermal-neural cortex 1
A_66_P1055	0.00040	0.48	**Slfn8**	schlafen 8
A_51_P2913	0.0006	0.48	**Osm**	oncostatin M
A_51_P1264	0.00030	0.48	**Enc1**	ectodermal-neural cortex 1
A_66_P1019	0.00251	0.48	**Gm9706**	predicted gene 9706
A_55_P2075	0.00339	0.48	**Tor3a**	torsin family 3, member A
A_30_P0101	0.00587	0.48		
A_55_P2000	0.00195	0.48	**Irf1**	interferon regulatory factor 1
A_51_P4848	0.0008	0.48	**Bcl2l11**	BCL2-like 11 (apoptosis facilitator)
A_55_P2185	0.00770	0.48	**Nrg4**	neuregulin 4
A_55_P1975	0.00076	0.48		
A_30_P0101	0.00286	0.48		
A_52_P3546	0.00070	0.48	**Elovl7**	ELOVL family member 7, elongation of long chain fatty acids (yeast)
A_51_P1264	0.00013	0.48	**Enc1**	ectodermal-neural cortex 1
A_51_P1610	0.0032	0.48	**Cep170**	centrosomal protein 170
A_51_P3376	0.00635	0.48	**Cd53**	CD53 antigen
A_55_P2006	0.00284	0.48	**Apol10b**	apolipoprotein L 10b
A_51_P1140	0.00017	0.48	**Ncs1**	neuronal calcium sensor 1
A_51_P2378	0.00659	0.48	**Il4**	interleukin 4
A_51_P1205	0.00251	0.48	**Olfr181**	olfactory receptor 181
A_30_P0102	0.0007	0.49		
A_51_P5072	0.00420	0.49	**Fosl2**	fos-like antigen 2
A_55_P1980	0.00466	0.49	**Il2ra**	interleukin 2 receptor, alpha chain
A_52_P2531	0.00414	0.49	**Igfbp3**	insulin-like growth factor binding protein 3
A_51_P4513	0.00093	0.49	**Klf6**	Kruppel-like factor 6
A_55_P1966	0.0084	0.49		
A_55_P1999	0.00290	0.49	**Vmn1r217**	vomeronasal 1 receptor 217
A_30_P0102	0.0037	0.49		
A_52_P1687	0.00095	0.49	**Tmcc3**	transmembrane and coiled coil domains 3
A_51_P2378	0.00154	0.49	**Il4**	interleukin 4
A_66_P1348	0.00126	0.49	**Nos1ap**	nitric oxide synthase 1 (neuronal) adaptor protein
A_51_P2306	0.00093	0.49	**2010109K11Rik**	RIKEN cDNA 2010109K11 gene
A_55_P2103	0.00377	0.49		
A_51_P3897	0.00320	0.49	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_52_P4107	0.00292	0.49	**Sema7a**	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A
A_55_P1978	0.0002	0.49		
A_55_P1966	0.00203	0.49	**LOC674392**	zinc finger protein 665-like
A_55_P2163	0.00740	0.49		
A_30_P0102	0.00109	0.49		
A_51_P4307	0.00514	0.49	**Il10**	interleukin 10
A_51_P2378	0.0054	0.49	**Il4**	interleukin 4
A_30_P0101	0.00288	0.49		
A_52_P3632	0.00019	0.49	**Gcnt2**	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme
A_51_P4481	0.00046	0.49	**2410004A20Rik**	RIKEN cDNA 2410004A20 gene
A_52_P4232	0.0072	0.49	**Pde4b**	phosphodiesterase 4B, cAMP specific
A_51_P1044	0.00264	0.49	**Dusp10**	dual specificity phosphatase 10
A_52_P2325	0.00073	0.49	**Dyrk3**	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
A_55_P2114	0.00054	0.49		
A_51_P5059	0.00097	0.49	**Tcl1b2**	T-cell leukemia/lymphoma 1B, 2
A_55_P2168	0.0022	0.49	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_52_P4095	0.0066	0.49	**5330426P16Rik**	RIKEN cDNA 5330426P16 gene
A_55_P1985	0.00046	0.49		
A_55_P2237	0.00642	0.49	**Tsc22d2**	TSC22 domain family, member 2
A_30_P0103	0.00364	0.49		
A_30_P0103	0.00800	0.49		
A_55_P2024	0.00341	0.49	**Zbtb16**	zinc finger and BTB domain containing 16
A_51_P5180	0.00807	0.49	**Dusp4**	dual specificity phosphatase 4
A_55_P2122	0.0032	0.49	**Kcnk9**	potassium channel, subfamily K, member 9
A_51_P3953	0.00289	0.49	**Ptprt**	protein tyrosine phosphatase, receptor type, T
A_52_P5570	0.00132	0.49	**Olfr536**	olfactory receptor 536
A_52_P6163	0.0003	0.49	**Sbno2**	strawberry notch homolog 2 (Drosophila)
A_66_P1005	0.00872	0.49		
A_66_P1281	0.00174	0.49		
A_51_P2979	0.00114	0.49	**Zc3h12a**	zinc finger CCCH type containing 12A
A_55_P2082	0.00083	0.49		
A_30_P0101	0.00480	0.49		
A_55_P2093	0.00259	0.50	**LOC641136**	eukaryotic translation initiation factor 1A-like

Genes that increased by more than 2 fold in livers of mice treated with Con A and BW245C for 24 hours compared with livers of mice treated for 24 hours with Con A and vehicle.

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_52_P84027	3.40E-05	23.35	**Cyp7a1**	cytochrome P450, family 7, subfamily a, polypeptide 1
A_55_P2036547	0.002893	10.47	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_52_P320193	0.00318	7.53	**Clec2h**	C-type lectin domain family 2, member h
A_52_P306357	0.007149	7.31	**Prok1**	prokineticin 1
A_51_P266618	0.000113	7.00	**Cyp8b1**	cytochrome P450, family 8, subfamily b, polypeptide 1
A_52_P653825	0.002006	6.12	**Keg1**	kidney expressed gene 1
A_51_P162162	0.00534	5.89	**Inmt**	indolethylamine N-methyltransferase
A_55_P1958804	0.001637	5.82	**Hsd3b3**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 3
A_55_P2023114	0.00429	5.70	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_52_P253567	0.000612	5.36	**Hsd3b6**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6
A_55_P2128606	0.002301	4.86	**Nr1h5**	nuclear receptor subfamily 1, group H, member 5
A_30_P01018128	0.002101	4.45		
A_66_P120125	0.000432	4.43	**D0H4S114**	DNA segment, human D4S114
A_55_P2147136	0.001118	4.38	**Akr1d1**	aldo-keto reductase family 1, member D1
A_51_P178772	0.005401	4.19	**Ces1f**	carboxylesterase 1F
A_51_P269404	9.05E-05	4.14	**Fmo3**	flavin containing monooxygenase 3
A_51_P157462	0.003405	4.08	**Rgn**	regucalcin
A_51_P189082	0.001941	3.97	**Akr1c6**	aldo-keto reductase family 1, member C6
A_30_P01023749	5.07E-06	3.95		
A_30_P01021437	8.78E-06	3.95		
A_52_P219904	0.000531	3.94	**Afmid**	arylformamidase
A_30_P01019807	6.96E-06	3.93		
A_51_P277088	0.003662	3.93	**Igfals**	insulin-like growth factor binding protein, acid labile subunit
A_52_P16752	0.004541	3.92	**Aox3**	aldehyde oxidase 3
A_30_P01024995	5.06E-06	3.86		
A_30_P01019750	1.64E-05	3.86		
A_51_P326685	0.004587	3.86	**Lrtm1**	leucine-rich repeats and transmembrane domains 1
A_55_P2095039	0.001865	3.85	**A330049M08Rik**	RIKEN cDNA A330049M08 gene
A_52_P590154	0.001967	3.85	**Hsd17b6**	hydroxysteroid (17-beta) dehydrogenase 6
A_55_P2081116	0.000714	3.84	**Fam89a**	family with sequence similarity 89, member A
A_52_P681557	0.002187	3.77		
A_55_P2043627	0.000622	3.74	**Fam89a**	family with sequence similarity 89, member A
A_52_P614777	0.00098	3.73	**Sucnr1**	succinate receptor 1
A_55_P1961423	0.000189	3.68	**Gsta3**	glutathione S-transferase, alpha 3
A_30_P01032927	0.000137	3.65		
A_30_P01019901	0.000512	3.63		
A_51_P253481	0.000518	3.50	**Ces1g**	carboxylesterase 1G
A_51_P137452	0.000959	3.48	**Cyp2g1**	cytochrome P450, family 2, subfamily g, polypeptide 1
A_51_P419637	0.0008	3.46	**Dclk3**	doublecortin-like kinase 3
A_55_P2059586	0.000214	3.37	**Fmo3**	flavin containing monooxygenase 3
A_55_P1993419	0.002849	3.35	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_55_P2038347	0.002603	3.27	**Acot3**	acyl-CoA thioesterase 3
A_55_P2020477	0.003743	3.24	**Cyp2c50**	cytochrome P450, family 2, subfamily c, polypeptide 50
A_55_P2069907	0.007976	3.20	**Acot3**	acyl-CoA thioesterase 3
A_55_P2058957	0.000654	3.20	**Syt1**	synaptotagmin I
A_55_P2303972	0.000395	3.20	**LOC100503880**	hypothetical protein LOC100503880
A_52_P204331	2.41E-05	3.18	**D630039A03Rik**	RIKEN cDNA D630039A03 gene
A_51_P503625	0.00014	3.18	**Gsta3**	glutathione S-transferase, alpha 3
A_51_P382764	0.000721	3.17	**Akr1c20**	aldo-keto reductase family 1, member C20
A_51_P353895	8.76E-06	3.16	**Sult1c2**	sulfotransferase family, cytosolic, 1C, member 2
A_55_P2148171	0.001564	3.14	**A330049M08Rik**	RIKEN cDNA A330049M08 gene
A_51_P498882	0.002467	3.07	**Cyp2c37**	cytochrome P450, family 2. subfamily c, polypeptide 37
A_52_P468564	0.000538	3.07	**Cyp2c38**	cytochrome P450, family 2, subfamily c, polypeptide 38
A_51_P391616	5.60E-05	3.06	**Agxt2l1**	alanine-glyoxylate aminotransferase 2-like 1
A_55_P1952628	0.001146	3.05	**Dpys**	dihydropyrimidinase
A_55_P2066559	0.003745	2.97	**Endou**	endonuclease, polyU-specific
A_66_P108188	0.001253	2.95	**Car5a**	carbonic anhydrase 5a, mitochondrial
A_52_P54280	0.005806	2.93	**Adck3**	aarF domain containing kinase 3
A_51_P165451	0.000128	2.91	**Pbld2**	phenazine biosynthesis-like protein domain containing 2
A_55_P2303310	0.002437	2.89	**C730036E19Rik**	RIKEN cDNA C730036E19 gene
A_51_P188271	0.000134	2.89	**Cd248**	CD248 antigen, endosialin
A_51_P335569	0.001053	2.89	**Slco1a4**	solute carrier organic anion transporter family, member 1a4
A_51_P389539	0.004605	2.88	**Gpr98**	G protein-coupled receptor 98
A_51_P299149	6.52E-05	2.88	**Gpx6**	glutathione peroxidase 6
A_55_P2005859	0.002119	2.84	**Fn3k**	fructosamine 3 kinase
A_55_P2412349	0.00257	2.84	**AW111846**	expressed sequence AW111846
A_52_P154580	0.00111	2.80	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_51_P229655	0.000123	2.80	**Acsm5**	acyl-CoA synthetase medium-chain family member 5
A_55_P2007964	8.08E-05	2.79	**Cx3cr1**	chemokine (C-X3-C) receptor 1
A_51_P244950	0.001445	2.77	**Dpys**	dihydropyrimidinase
A_55_P2054362	2.50E-05	2.76		
A_52_P554382	0.003724	2.75		
A_55_P2169259	0.003377	2.74	**Cyp3a25**	cytochrome P450, family 3, subfamily a, polypeptide 25
A_55_P2077920	0.003139	2.74	**Naaladl2**	N-acetylated alpha-linked acidic dipeptidase-like 2
A_55_P2018116	0.008343	2.74	**Pabpc4l**	poly(A) binding protein, cytoplasmic 4-like
A_55_P2129696	0.008571	2.74	**Smad9**	MAD homolog 9 (Drosophila)
A_51_P481679	1.43E-06	2.72	**Angptl3**	angiopoietin-like 3
A_55_P2016014	2.40E-05	2.71	**Cpsf4l**	cleavage and polyadenylation specific factor 4-like
A_51_P452768	0.000999	2.70	**Cyp4f14**	cytochrome P450, family 4, subfamily f, polypeptide 14
A_55_P2143923	7.93E-06	2.69	**Slc13a2**	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2
A_55_P1953301	0.001062	2.69	**Sord**	sorbitol dehydrogenase
A_55_P2179271	0.00096	2.69	**Ccdc30**	coiled-coil domain containing 30
A_51_P164630	0.008037	2.69	**Fitm1**	fat storage-inducing transmembrane protein 1
A_51_P383755	0.008606	2.69	**1110006G14Rik**	RIKEN cDNA 1110006G14 gene
A_55_P1983754	7.03E-05	2.67	**Pcp4l1**	Purkinje cell protein 4-like 1
A_55_P1970954	0.002054	2.67	**Pknox2**	Pbx/knotted 1 homeobox 2
A_55_P2158962	0.000169	2.66	**Dixdc1**	DIX domain containing 1
A_52_P327156	0.000142	2.65	**0610008F07Rik**	RIKEN cDNA 0610008F07 gene
A_55_P2049771	0.006944	2.64		
A_52_P337259	8.14E-05	2.64	**Heyl**	hairy/enhancer-of-split related with YRPW motif-like
A_51_P446825	0.000206	2.64	**6430573F11Rik**	RIKEN cDNA 6430573F11 gene
A_52_P69109	0.000405	2.64	**Slc10a1**	solute carrier family 10 (sodium/bile acid cotransporter family), member 1
A_55_P1966690	0.000417	2.62	**Cyp2e1**	cytochrome P450, family 2, subfamily e, polypeptide 1
A_55_P2340448	0.005163	2.62	**B230114P17Rik**	RIKEN cDNA B230114P17 gene
A_52_P629748	0.000788	2.62		
A_55_P1998115	0.002388	2.61	**Klkb1**	kallikrein B, plasma 1
A_51_P327585	0.003077	2.61	**Gstm4**	glutathione S-transferase, mu 4

A_55_P2325698	2.37E-05	2.59	**2010002M09Rik**	RIKEN cDNA 2010002M09 gene
A_66_P139387	0.001137	2.57	**Prlr**	prolactin receptor
A_51_P245503	0.001445	2.57	**Ugt2b1**	UDP glucuronosyltransferase 2 family, polypeptide B1
A_55_P2048478	0.001467	2.56	**Olfml1**	olfactomedin-like 1
A_51_P209782	0.004254	2.56	**Cyp2c44**	cytochrome P450, family 2, subfamily c, polypeptide 44
A_55_P2169124	0.001274	2.56	**C730048C13Rik**	RIKEN cDNA C730048C13 gene
A_55_P2162880	0.001563	2.56	**Cyp3a57**	cytochrome P450, family 3, subfamily a, polypeptide 57
A_55_P2288232	0.002437	2.55	**6330407I18Rik**	RIKEN cDNA 6330407I18 gene
A_51_P465292	0.000949	2.53	**Hnmt**	histamine N-methyltransferase
A_51_P342200	0.007932	2.53	**Ces1h**	carboxylesterase 1H
A_51_P309920	0.000261	2.53	**Itga8**	integrin alpha 8
A_51_P140803	0.001168	2.53	**Slco1b2**	solute carrier organic anion transporter family, member 1b2
A_51_P145662	0.00337	2.51	**Clec4g**	C-type lectin domain family 4, member g
A_65_P19089	0.003377	2.51	**Esrrg**	estrogen-related receptor gamma
A_55_P1966432	0.004435	2.50	**Gstm1**	glutathione S-transferase, mu 1
A_65_P02177	0.006807	2.49	**Gstm4**	glutathione S-transferase, mu 4
A_51_P249302	0.001735	2.49	**Abcd2**	ATP-binding cassette, sub-family D (ALD), member 2
A_51_P221651	0.003521	2.49	**Adck3**	aarF domain containing kinase 3
A_52_P281702	0.003208	2.49	**Igfbp5**	insulin-like growth factor binding protein 5
A_66_P134394	0.000317	2.49	**Pde6c**	phosphodiesterase 6C, cGMP specific, cone, alpha prime
A_51_P464394	0.000495	2.43	**Klb**	klotho beta
A_55_P2070976	0.003559	2.43		
A_52_P597371	0.000457	2.42	**Ncald**	neurocalcin delta
A_55_P2139087	0.003597	2.41	**Gm5631**	predicted gene 5631
A_55_P1977418	0.000158	2.41	**Ugt2b34**	UDP glucuronosyltransferase 2 family, polypeptide B34
A_55_P2043509	0.001947	2.41	**Hnmt**	histamine N-methyltransferase
A_51_P352738	0.000282	2.41	**Mpv17l**	Mpv17 transgene, kidney disease mutant-like
A_55_P2062250	0.000285	2.40	**Gm5524**	predicted gene 5524
A_55_P2062190	0.002999	2.40	**Gstm1**	glutathione S-transferase, mu 1
A_55_P1999301	0.000478	2.39	**Cyp2e1**	cytochrome P450, family 2, subfamily e, polypeptide 1
A_55_P1973259	0.001348	2.39	**Gamt**	guanidinoacetate methyltransferase
A_51_P422893	0.001366	2.38	**Tmem14a**	transmembrane protein 14A
A_52_P508991	0.000157	2.38	**Fmo1**	flavin containing monooxygenase 1
A_51_P383774	0.00112	2.37	**Gngt1**	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
A_55_P2158547	0.000936	2.34	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_52_P223704	0.00048	2.30	**Faah**	fatty acid amide hydrolase
A_51_P386899	5.49E-06	2.30	**Mfsd7c**	major facilitator superfamily domain containing 7C
A_66_P109802	0.002311	2.30	**Ces3b**	carboxylesterase 3B
A_51_P401184	0.003065	2.30	**Rarres1**	retinoic acid receptor responder (tazarotene induced) 1
A_52_P131353	0.001995	2.29	**Camk1d**	calcium/calmodulin-dependent protein kinase ID
A_30_P01032333	0.000113	2.28		
A_55_P2211748	0.000216	2.28	**9030411M13Rik**	RIKEN cDNA 9030411M13 gene
A_51_P159565	0.007446	2.28	**Arhgef9**	CDC42 guanine nucleotide exchange factor (GEF) 9
A_30_P01022288	0.000316	2.28		
A_55_P2024046	0.000431	2.27	**Slc16a5**	solute carrier family 16 (monocarboxylic acid transporters), member 5
A_30_P01021396	0.00779	2.27		
A_55_P1991505	0.00142	2.27	**Gamt**	guanidinoacetate methyltransferase
A_30_P01026923	3.02E-05	2.26		
A_55_P2010066	0.000429	2.26	**Capn3**	calpain 3
A_55_P2028029	0.004491	2.25	**Abcb11**	ATP-binding cassette, sub-family B (MDR/TAP), member 11
A_55_P2168722	0.000242	2.25	**Fmo5**	flavin containing monooxygenase 5
A_51_P136303	0.000356	2.24	**Cyp4f15**	cytochrome P450, family 4, subfamily f, polypeptide 15
A_55_P2106641	0.001453	2.24	**Aqp9**	aquaporin 9
A_55_P2039071	0.000266	2.24	**Dhdh**	dihydrodiol dehydrogenase (dimeric)
A_30_P01030293	0.000648	2.24		
A_66_P134704	0.006256	2.24	**Gm4952**	predicted gene 4952
A_55_P1995404	0.002656	2.24	**Cd59b**	CD59b antigen
A_55_P2128511	0.00572	2.23	**Ociad2**	OCIA domain containing 2
A_55_P2110497	0.000801	2.22	**Ddc**	dopa decarboxylase
A_55_P2394490	0.002455	2.22	**D630004K10Rik**	RIKEN cDNA D630004K10 gene
A_30_P01024768	0.002632	2.22		
A_66_P114333	0.000688	2.21	**Tlr12**	toll-like receptor 12
A_55_P2419495	0.001623	2.21	**1110028F11Rik**	RIKEN cDNA 1110028F11 gene
A_66_P118863	0.000512	2.21	**Ncald**	neurocalcin delta
A_51_P363905	0.005614	2.21	**Slc25a23**	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23
A_55_P2061219	0.001626	2.21	**Ces3a**	carboxylesterase 3A
A_66_P128918	0.004171	2.21	**Hacl1**	2-hydroxyacyl-CoA lyase 1
A_55_P2121956	0.003616	2.20	**Gck**	glucokinase
A_51_P431737	1.75E-05	2.20	**Cth**	cystathionase (cystathionine gamma-lyase)
A_51_P136337	0.001412	2.19	**Galm**	galactose mutarotase
A_55_P2002849	0.002319	2.19	**Aifm3**	apoptosis-inducing factor, mitochondrion-associated 3
A_52_P71686	0.006581	2.19	**Atp6v0d2**	ATPase, H+ transporting, lysosomal V0 subunit D2
A_55_P1977144	0.001265	2.19	**Cyp2c67**	cytochrome P450, family 2, subfamily c, polypeptide 67
A_52_P645862	4.64E-05	2.18	**Agtr1a**	angiotensin II receptor, type 1a
A_66_P106421	0.00654	2.18	**Ccdc30**	coiled-coil domain containing 30
A_55_P2084910	0.00091	2.18	**Zfp385b**	zinc finger protein 385B
A_51_P110471	0.004364	2.17	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P198675	0.002068	2.17	**Ttc36**	tetratricopeptide repeat domain 36
A_51_P290626	0.001177	2.17	**Gulo**	gulonolactone (L-) oxidase
A_55_P2056496	0.00435	2.17	**Tk1**	thymidine kinase 1
A_55_P1955147	0.002016	2.16	**Camk1d**	calcium/calmodulin-dependent protein kinase ID
A_55_P2032478	0.000725	2.16		
A_55_P2209046	0.001167	2.16	**B830008H07Rik**	RIKEN cDNA B830008H07 gene
A_30_P01032861	0.000823	2.16		
A_55_P2412319	0.004823	2.16	**A830052D11Rik**	RIKEN cDNA A830052D11 gene
A_55_P1979295	0.000425	2.16	**Lrit1**	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1
A_30_P01028418	5.52E-05	2.15		
A_52_P326664	0.003652	2.15	**Unc93a**	unc-93 homolog A (C. elegans)
A_51_P497724	0.003412	2.15	**Apol7a**	apolipoprotein L 7a
A_66_P130887	8.80E-05	2.15	**Pcdh18**	protocadherin 18
A_51_P205390	0.001779	2.14	**1700040L02Rik**	RIKEN cDNA 1700040L02 gene
A_51_P110471	0.005703	2.14	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_55_P2025969	0.003985	2.14	**Gm9992**	predicted gene 9992
A_55_P2057070	0.002403	2.14	**Magix**	MAGI family member, X-linked
A_55_P2255449	0.000804	2.14	**AI663975**	expressed sequence AI663975
A_55_P2279927	0.006327	2.13		
A_51_P113205	0.000166	2.13	**F13b**	coagulation factor XIII, beta subunit
A_51_P110471	0.005628	2.13	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P276802	0.001806	2.13	**Akr1c20**	aldo-keto reductase family 1, member C20
A_51_P493117	0.000832	2.13	**Slc16a9**	solute carrier family 16 (monocarboxylic acid transporters), member 9

A_55_P1959923	2.97E-05	2.13	**Cth**	cystathionase (cystathionine gamma-lyase)
A_51_P103706	0.001727	2.13	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_55_P2007919	0.000107	2.13	**Akr1c19**	aldo-keto reductase family 1, member C19
A_55_P1972099	7.89E-06	2.12	**Acsm3**	acyl-CoA synthetase medium-chain family member 3
A_51_P446570	0.00076	2.12	**Bbox1**	butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (gamma-butyrobetaine hydroxylase)
A_51_P113205	0.000156	2.12	**F13b**	coagulation factor XIII, beta subunit
A_51_P126563	0.002146	2.12	**Otc**	ornithine transcarbamylase
A_55_P1964483	0.002581	2.11	**Cyp2c37**	cytochrome P450, family 2. subfamily c, polypeptide 37
A_51_P110471	0.004463	2.11	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P103706	0.002377	2.11	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P103706	0.001975	2.11	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P113205	0.000167	2.10	**F13b**	coagulation factor XIII, beta subunit
A_55_P2124016	0.000646	2.10	**Nipsnap1**	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)
A_51_P103706	0.001677	2.10	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P126563	0.001968	2.10	**Otc**	ornithine transcarbamylase
A_30_P01023136	0.001007	2.10		
A_55_P2051159	0.006564	2.10	**Upp2**	uridine phosphorylase 2
A_51_P113205	0.000281	2.10	**F13b**	coagulation factor XIII, beta subunit
A_51_P110471	0.004615	2.10	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P126563	0.001459	2.10	**Otc**	ornithine transcarbamylase
A_51_P112817	0.00036	2.10	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_55_P2058962	0.001282	2.09	**Mcm10**	minichromosome maintenance deficient 10 (S. cerevisiae)
A_51_P176352	0.004836	2.09	**Ndrg2**	N-myc downstream regulated gene 2
A_51_P110471	0.006004	2.09	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P110471	0.004281	2.09	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_52_P458279	0.006489	2.09	**Prlr**	prolactin receptor
A_51_P445841	0.001675	2.09	**Deptor**	DEP domain containing MTOR-interacting protein
A_51_P110471	0.004833	2.08	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_52_P48569	1.34E-05	2.08	**Slc38a4**	solute carrier family 38, member 4
A_51_P103706	0.004595	2.07	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P163578	0.00025	2.07	**Ugt2b35**	UDP glucuronosyltransferase 2 family, polypeptide B35
A_51_P103706	0.00128	2.07	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P110471	0.004932	2.07	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_55_P2319035	0.000507	2.07	**AW011956**	expressed sequence AW011956
A_51_P113205	0.000307	2.07	**F13b**	coagulation factor XIII, beta subunit
A_51_P103706	0.002287	2.07	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P126563	0.002062	2.07	**Otc**	ornithine transcarbamylase
A_51_P126563	0.002051	2.07	**Otc**	ornithine transcarbamylase
A_51_P307168	0.004071	2.07	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P302566	0.002189	2.07	**Maob**	monoamine oxidase B
A_30_P01026163	0.000245	2.06		
A_51_P112817	0.000644	2.06	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P112817	0.001124	2.06	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P488554	0.00105	2.06	**3010026O09Rik**	RIKEN cDNA 3010026O09 gene
A_51_P113205	0.000209	2.06	**F13b**	coagulation factor XIII, beta subunit
A_52_P381484	0.001037	2.06	**Spon2**	spondin 2, extracellular matrix protein
A_51_P501803	0.000507	2.06	**Hoxa2**	homeobox A2
A_51_P113205	9.39E-05	2.06	**F13b**	coagulation factor XIII, beta subunit
A_51_P113205	0.000231	2.06	**F13b**	coagulation factor XIII, beta subunit
A_52_P198239	0.002806	2.06	**Ube2u**	ubiquitin-conjugating enzyme E2U (putative)
A_51_P108659	0.000558	2.06	**Pon1**	paraoxonase 1
A_51_P103706	0.00116	2.06	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_30_P01024388	0.000152	2.06		
A_51_P112817	0.000493	2.06	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P112817	0.000957	2.05	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P465582	0.001752	2.05	**Hdhd3**	haloacid dehalogenase-like hydrolase domain containing 3
A_51_P126563	0.001639	2.05	**Otc**	ornithine transcarbamylase
A_51_P215438	2.83E-05	2.05	**Prodh**	proline dehydrogenase
A_51_P103706	0.001437	2.05	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_55_P2047188	0.00011	2.05	**Fgf1**	fibroblast growth factor 1
A_55_P2153621	0.000757	2.05	**Ahnak**	AHNAK nucleoprotein (desmoyokin)
A_51_P140742	0.000245	2.05	**Islr**	immunoglobulin superfamily containing leucine-rich repeat
A_51_P112817	0.001053	2.05	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P126563	0.001708	2.05	**Otc**	ornithine transcarbamylase
A_55_P2143765	0.000731	2.05	**Ugt1a6b**	UDP glucuronosyltransferase 1 family, polypeptide A6B
A_51_P108659	0.001392	2.05	**Pon1**	paraoxonase 1
A_51_P113205	0.000136	2.04	**F13b**	coagulation factor XIII, beta subunit
A_55_P2059640	0.001426	2.04	**Abhd14b**	abhydrolase domain containing 14b
A_51_P103706	0.001722	2.04	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_55_P2274378	0.004169	2.03	**AW549542**	expressed sequence AW549542
A_51_P112817	0.001029	2.03	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P126563	0.001846	2.03	**Otc**	ornithine transcarbamylase
A_55_P2035824	0.00013	2.03	**Nr1i3**	nuclear receptor subfamily 1, group I, member 3
A_51_P126563	0.001717	2.03	**Otc**	ornithine transcarbamylase
A_51_P304109	0.004183	2.03	**Cyp2c39**	cytochrome P450, family 2, subfamily c, polypeptide 39
A_51_P126563	0.002569	2.03	**Otc**	ornithine transcarbamylase
A_52_P521882	0.000296	2.03	**Hddc3**	HD domain containing 3
A_55_P2023001	0.000575	2.02	**Slc47a1**	solute carrier family 47, member 1
A_51_P108659	0.000608	2.02	**Pon1**	paraoxonase 1
A_55_P2026340	3.87E-05	2.02	**Fmo5**	flavin containing monooxygenase 5
A_51_P496432	0.000934	2.02	**Acsl1**	acyl-CoA synthetase long-chain family member 1
A_51_P463452	0.000827	2.02	**Acsl1**	acyl-CoA synthetase long-chain family member 1
A_51_P215077	0.000902	2.02	**Mgst3**	microsomal glutathione S-transferase 3
A_51_P186547	7.74E-05	2.02	**Pah**	phenylalanine hydroxylase
A_55_P2135039	0.002124	2.01	**Hyi**	hydroxypyruvate isomerase homolog (E. coli)
A_51_P376347	0.001051	2.01	**Hebp1**	heme binding protein 1
A_55_P2097508	8.79E-06	2.01	**Mcc**	mutated in colorectal cancers
A_51_P272106	0.000379	2.01	**Cirbp**	cold inducible RNA binding protein
A_55_P2093770	0.003367	2.01		
A_55_P2132781	0.00286	2.01	**Slc16a2**	solute carrier family 16 (monocarboxylic acid transporters), member 2
A_51_P113205	0.000336	2.01	**F13b**	coagulation factor XIII, beta subunit

Genes that decreased by more than 2 fold in livers of mice treated with Con A and vehicle for 3 hours compared with livers without any treatment.

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_51_P462385	2.52E-05	0.003	**G6pc**	glucose-6-phosphatase, catalytic
A_52_P84027	6.08E-06	0.012	**Cyp7a1**	cytochrome P450, family 7, subfamily a, polypeptide 1
A_52_P681391	1.85E-05	0.012	**G0s2**	G0/G1 switch gene 2
A_51_P472274	1.29E-08	0.013	**Sox18**	SRY-box containing gene 18
A_51_P389265	0.003126252	0.015	**Pnpla3**	patatin-like phospholipase domain containing 3
A_55_P2039324	1.14E-05	0.017	**Ccnf**	cyclin F
A_55_P2154645	0.001782318	0.021	**Pnpla5**	patatin-like phospholipase domain containing 5
A_52_P13730	4.61E-08	0.022	**Cbx2**	chromobox homolog 2 (Drosophila Pc class)
A_51_P449824	4.70E-09	0.030	**Exoc3l2**	exocyst complex component 3-like 2
A_55_P2003393	1.72E-07	0.030		
A_51_P327874	6.11E-09	0.031	**Pth1r**	parathyroid hormone 1 receptor
A_55_P2153191	8.74E-06	0.031		
A_51_P157083	1.78E-08	0.032	**Gas1**	growth arrest specific 1
A_55_P2278604	1.38E-06	0.033	**A330009N23Rik**	RIKEN cDNA A330009N23 gene
A_51_P250807	1.38E-07	0.034	**Spata2L**	spermatogenesis associated 2-like
A_51_P137094	7.76E-08	0.034	**Sall2**	sal-like 2 (Drosophila)
A_52_P97699	2.79E-11	0.035	**D430019H16Rik**	RIKEN cDNA D430019H16 gene
A_51_P211786	5.81E-07	0.040	**Chst13**	carbohydrate (chondroitin 4) sulfotransferase 13
A_55_P2418311	0.000102538	0.043	**AU021884**	expressed sequence AU021884
A_52_P235347	1.31E-05	0.045	**Fgf21**	fibroblast growth factor 21
A_51_P265338	2.53E-06	0.045	**Nr0b2**	nuclear receptor subfamily 0, group B, member 2
A_52_P536494	1.42E-05	0.047	**Mycn**	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)
A_52_P175242	3.29E-08	0.048	**Irs1**	insulin receptor substrate 1
A_51_P393654	6.21E-06	0.049	**Fam171b**	family with sequence similarity 171, member B
A_52_P171212	3.70E-08	0.049	**Irs1**	insulin receptor substrate 1
A_51_P368823	3.76E-06	0.050	**Grb7**	growth factor receptor bound protein 7
A_51_P404193	6.39E-05	0.051	**Sp5**	trans-acting transcription factor 5
A_55_P1992049	2.38E-10	0.051	**Gucy1a3**	guanylate cyclase 1, soluble, alpha 3
A_52_P629333	5.15E-07	0.052	**BC021891**	cDNA sequence BC021891
A_52_P236705	6.28E-08	0.053	**Ripply3**	ripply3 homolog (zebrafish)
A_55_P2115260	5.38E-06	0.053		
A_66_P101393	6.87E-06	0.054	**A530001N23Rik**	RIKEN cDNA A530001N23 gene
A_52_P515769	2.71E-08	0.055	**Pcdh12**	protocadherin 12
A_30_P01021604	4.20E-06	0.056		
A_52_P294253	3.90E-07	0.059	**Zfp41**	zinc finger protein 41
A_51_P469252	6.27E-07	0.061	**Zfp647**	zinc finger protein 647
A_55_P2072666	8.47E-11	0.061	**Cyp2d37-ps**	cytochrome P450, family 2, subfamily d, polypeptide 37, pseudogene
A_52_P528600	1.44E-05	0.063	**Hhex**	hematopoietically expressed homeobox
A_55_P2079619	3.96E-08	0.064	**Rnf43**	ring finger protein 43
A_66_P114782	1.51E-09	0.064	**Nr2f1**	nuclear receptor subfamily 2, group F, member 1
A_52_P311853	6.68E-07	0.065	**Ddit4l**	DNA-damage-inducible transcript 4-like
A_55_P2066036	0.000464262	0.066		
A_55_P2015182	2.99E-05	0.066		
A_55_P2129696	0.002024334	0.067	**Smad9**	MAD homolog 9 (Drosophila)
A_55_P2128606	8.95E-07	0.067	**Nr1h5**	nuclear receptor subfamily 1, group H, member 5
A_66_P122559	4.74E-09	0.067	**Myct1**	myc target 1
A_52_P288251	3.60E-08	0.067	**Tmem204**	transmembrane protein 204
A_52_P218379	4.83E-09	0.067	**Kif26a**	kinesin family member 26A
A_55_P2017362	1.65E-06	0.068	**BC068157**	cDNA sequence BC068157
A_55_P2027083	2.03E-06	0.068	**Kcnj10**	potassium inwardly-rectifying channel, subfamily J, member 10
A_55_P2207342	3.51E-08	0.068	**1810059H22Rik**	RIKEN cDNA 1810059H22 gene
A_55_P2340593	8.26E-08	0.069	**1810019D21Rik**	RIKEN cDNA 1810019D21 gene
A_55_P2018994	3.10E-14	0.069	**Elk3**	ELK3, member of ETS oncogene family
A_55_P2367007	1.95E-06	0.071	**C330020G15Rik**	RIKEN cDNA C330020G15 gene
A_51_P116906	5.07E-09	0.071	**Rapgef3**	Rap guanine nucleotide exchange factor (GEF) 3
A_52_P359591	1.99E-10	0.072	**Zfp354b**	zinc finger protein 354B
A_52_P660047	9.49E-07	0.072		
A_55_P2057941	1.01E-06	0.073	**1700049G17Rik**	RIKEN cDNA 1700049G17 gene
A_55_P2091196	8.43E-10	0.073	**Hrct1**	histidine rich carboxyl terminus 1
A_55_P2048769	4.85E-06	0.073	**Zfp454**	zinc finger protein 454
A_55_P2027747	0.000130805	0.073	**Rbmxl2**	RNA binding motif protein, X-linked-like 2
A_55_P2099840	5.91E-05	0.074		
A_52_P429364	0.001276176	0.075	**Ccdc69**	coiled-coil domain containing 69
A_30_P01031894	1.65E-06	0.076		
A_52_P572178	3.07E-05	0.076	**D130043K22Rik**	RIKEN cDNA D130043K22 gene
A_52_P487615	1.13E-05	0.077	**Fam105a**	family with sequence similarity 105, member A
A_55_P2022181	7.44E-09	0.077	**Arvcf**	armadillo repeat gene deleted in velo-cardio-facial syndrome
A_51_P337598	4.20E-09	0.077	**2410131K14Rik**	RIKEN cDNA 2410131K14 gene
A_55_P2177463	3.01E-07	0.079		
A_51_P258409	1.67E-05	0.079	**Hey1**	hairy/enhancer-of-split related with YRPW motif 1
A_55_P1999082	6.59E-09	0.080	**Clec14a**	C-type lectin domain family 14, member a
A_51_P189814	3.52E-09	0.081	**Cldn5**	claudin 5
A_55_P2175400	1.20E-07	0.081	**Zfp467**	zinc finger protein 467
A_55_P2156304	1.53E-06	0.081	**Kcnj16**	potassium inwardly-rectifying channel, subfamily J, member 16
A_55_P2180909	7.78E-09	0.082	**2410075B13Rik**	RIKEN cDNA 2410075B13 gene
A_65_P06029	1.24E-07	0.082	**Fam171b**	family with sequence similarity 171, member B
A_55_P1956557	2.65E-08	0.082	**Rab3a**	RAB3A, member RAS oncogene family
A_55_P2007964	2.14E-05	0.084	**Cx3cr1**	chemokine (C-X3-C) receptor 1
A_52_P476029	9.65E-07	0.085	**8430427H17Rik**	RIKEN cDNA 8430427H17 gene
A_51_P126626	7.44E-06	0.085	**Zfp503**	zinc finger protein 503
A_55_P2181251	2.69E-07	0.085	**A430105I19Rik**	RIKEN cDNA A430105I19 gene
A_52_P73475	6.55E-09	0.086	**Fam78a**	family with sequence similarity 78, member A
A_52_P322181	1.29E-05	0.087	**Adrb1**	adrenergic receptor, beta 1
A_52_P387124	8.44E-06	0.087	**Zfp324**	zinc finger protein 324
A_51_P520936	1.73E-08	0.088	**Bcar3**	breast cancer anti-estrogen resistance 3
A_51_P436068	7.03E-08	0.089	**Gpr182**	G protein-coupled receptor 182
A_66_P129153	0.000461637	0.089	**Ptk6**	PTK6 protein tyrosine kinase 6
A_52_P55772	1.90E-06	0.089	**Tbxa2r**	thromboxane A2 receptor
A_52_P131548	6.23E-07	0.089	**Jub**	ajuba
A_30_P01032601	0.000192732	0.089		
A_55_P1970788	2.35E-08	0.090	**Gpr77**	G protein-coupled receptor 77
A_55_P1957249	6.01E-09	0.090	**Pdgfrb**	platelet derived growth factor receptor, beta polypeptide
A_55_P1955289	2.45E-09	0.090	**1110021L09Rik**	RIKEN cDNA 1110021L09 gene
A_52_P514352	0.000233803	0.091	**Kcnk5**	potassium channel, subfamily K, member 5
A_52_P337259	4.83E-07	0.091	**Heyl**	hairy/enhancer-of-split related with YRPW motif-like
A_55_P2073248	0.000214248	0.091	**Slc25a34**	solute carrier family 25, member 34
A_66_P118093	1.79E-07	0.092		

A_55_P2027117	4.41E-09	0.092	**Rgs3**	regulator of G-protein signaling 3
A_55_P2110915	1.69E-08	0.093	**Flrt1**	fibronectin leucine rich transmembrane protein 1
A_52_P308413	2.74E-06	0.093	**1810011H11Rik**	RIKEN cDNA 1810011H11 gene
A_55_P2140240	2.03E-05	0.093		
A_55_P2359436	6.44E-09	0.093	**A930026B05Rik**	RIKEN cDNA A930026B05 gene
A_52_P449871	5.94E-05	0.094	**Id4**	inhibitor of DNA binding 4
A_51_P245156	7.14E-11	0.094	**Gdf2**	growth differentiation factor 2
A_52_P20727	2.45E-08	0.095	**Nhlrc1**	NHL repeat containing 1
A_55_P2018181	3.74E-09	0.096	**A730008H23Rik**	RIKEN cDNA A730008H23 gene
A_52_P100252	0.001842354	0.096	**Fasn**	fatty acid synthase
A_55_P2035804	2.91E-06	0.096	**Fzd8**	frizzled homolog 8 (Drosophila)
A_51_P126626	1.11E-05	0.096	**Zfp503**	zinc finger protein 503
A_51_P259603	2.86E-05	0.097	**Adcyap1r1**	adenylate cyclase activating polypeptide 1 receptor 1
A_52_P629748	1.35E-09	0.097		
A_51_P282760	0.001049242	0.097	**Per2**	period homolog 2 (Drosophila)
A_55_P2115166	9.14E-10	0.097	**AI661453**	expressed sequence AI661453
A_51_P126626	1.68E-05	0.097	**Zfp503**	zinc finger protein 503
A_55_P1999022	1.73E-06	0.097	**Zfp760**	zinc finger protein 760
A_30_P01030510	8.81E-05	0.097		
A_55_P2008790	2.11E-08	0.098	**Zfp30**	zinc finger protein 30
A_51_P167660	1.34E-05	0.098	**2610204G22Rik**	RIKEN cDNA 2610204G22 gene
A_55_P2092399	5.48E-09	0.099	**Ccdc160**	coiled-coil domain containing 160
A_52_P669005	7.74E-09	0.100	**Lrat**	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)
A_51_P124535	1.85E-07	0.101	**Mest**	mesoderm specific transcript
A_51_P211573	5.52E-08	0.101	**Wdr47**	WD repeat domain 47
A_30_P01025309	1.29E-06	0.101		
A_51_P184796	2.30E-11	0.101	**Zfp101**	zinc finger protein 101
A_51_P318618	9.71E-07	0.101	**Anks4b**	ankyrin repeat and sterile alpha motif domain containing 4B
A_55_P2002033	1.76E-09	0.101	**Wdr89**	WD repeat domain 89
A_66_P105075	3.53E-08	0.101	**Mmp11**	matrix metallopeptidase 11
A_30_P01028054	7.50E-07	0.101		
A_55_P2152049	2.69E-07	0.102	**Xrcc3**	X-ray repair complementing defective repair in Chinese hamster cells 3
A_51_P280401	7.15E-05	0.103	**Tcta**	T-cell leukemia translocation altered gene
A_55_P2078955	0.000130022	0.103	**Aqp8**	aquaporin 8
A_55_P2017055	1.46E-06	0.104	**Kctd12b**	potassium channel tetramerisation domain containing 12b
A_51_P126626	2.00E-05	0.104	**Zfp503**	zinc finger protein 503
A_66_P105422	4.75E-09	0.105	**Lonrf3**	LON peptidase N-terminal domain and ring finger 3
A_51_P124535	4.77E-07	0.105	**Mest**	mesoderm specific transcript
A_55_P2415472	3.06E-05	0.105	**4931408D14Rik**	RIKEN cDNA 4931408D14 gene
A_55_P2035549	1.10E-05	0.105	**Zfp879**	zinc figer protein 879
A_55_P2066559	0.000116587	0.105	**Endou**	endonuclease, polyU-specific
A_55_P2050226	3.88E-05	0.106	**Ccrl1**	chemokine (C-C motif) receptor-like 1
A_52_P413947	1.84E-08	0.106	**Mthfr**	5,10-methylenetetrahydrofolate reductase
A_55_P2088750	1.14E-09	0.106	**Mtif3**	mitochondrial translational initiation factor 3
A_52_P40504	9.52E-06	0.106		
A_55_P2113165	4.28E-07	0.107	**Camkk1**	calcium/calmodulin-dependent protein kinase kinase 1, alpha
A_51_P126626	1.35E-06	0.107	**Zfp503**	zinc finger protein 503
A_51_P311038	5.78E-05	0.108	**Adamts15**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 15
A_55_P1972025	2.21E-07	0.109	**Mycl1**	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)
A_52_P462657	0.000122724	0.110	**Gm11545**	predicted gene 11545
A_55_P2141058	0.003508165	0.110	**LOC100504710**	camello-like 3-like
A_51_P217498	0.00429664	0.111	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P491916	0.000167438	0.111	**Rassf6**	Ras association (RalGDS/AF-6) domain family member 6
A_51_P293339	7.67E-08	0.111	**Tob1**	transducer of ErbB-2.1
A_55_P2372528	2.12E-07	0.111	**4122401K19Rik**	RIKEN cDNA 4122401K19 gene
A_52_P469502	1.85E-05	0.111	**Cda**	cytidine deaminase
A_51_P217498	0.003406632	0.112	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P138895	4.49E-10	0.112	**Ccdc102a**	coiled-coil domain containing 102A
A_30_P01020631	1.48E-05	0.112		
A_51_P117236	5.45E-08	0.112	**Zfp354a**	zinc finger protein 354A
A_55_P2082215	5.83E-05	0.112	**Ttbk1**	tau tubulin kinase 1
A_55_P1994534	1.47E-06	0.113		
A_55_P2157023	1.59E-07	0.113	**Sox17**	SRY-box containing gene 17
A_55_P2011220	1.81E-08	0.114	**Armcx1**	armadillo repeat containing, X-linked 1
A_51_P248122	0.000254751	0.114	**Bbc3**	BCL2 binding component 3
A_55_P1958597	5.11E-06	0.115	**Slc27a3**	solute carrier family 27 (fatty acid transporter), member 3
A_51_P321374	6.02E-05	0.115	**Ppapdc3**	phosphatidic acid phosphatase type 2 domain containing 3
A_55_P2014259	6.05E-08	0.115	**Zfp82**	zinc finger protein 82
A_55_P2025514	0.001103703	0.115	**Pnpla3**	patatin-like phospholipase domain containing 3
A_51_P124535	8.05E-07	0.115	**Mest**	mesoderm specific transcript
A_52_P659312	1.34E-05	0.115	**Spsb4**	splA/ryanodine receptor domain and SOCS box containing 4
A_55_P2059986	1.89E-09	0.115	**Chst14**	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 14
A_51_P490955	8.67E-07	0.115	**Zfp784**	zinc finger protein 784
A_51_P380750	1.79E-08	0.116	**Cbfa2t3**	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 (human)
A_55_P1973543	2.02E-07	0.116	**Bbs10**	Bardet-Biedl syndrome 10 (human)
A_55_P2003976	4.33E-06	0.117	**Gm4980**	predicted gene 4980
A_55_P2174935	3.76E-08	0.117	**Mn1**	meningioma 1
A_51_P217498	0.003424348	0.117	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_55_P2050778	0.00260783	0.117	**Gpam**	glycerol-3-phosphate acyltransferase, mitochondrial
A_55_P2177658	8.79E-06	0.118	**Mast1**	microtubule associated serine/threonine kinase 1
A_51_P117236	2.04E-07	0.118	**Zfp354a**	zinc finger protein 354A
A_52_P59228	3.08E-07	0.118	**Zswim3**	zinc finger, SWIM domain containing 3
A_51_P217498	0.003127524	0.118	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P217498	0.003383243	0.118	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_55_P2115846	3.21E-05	0.118		
A_51_P126626	5.48E-05	0.118	**Zfp503**	zinc finger protein 503
A_65_P11092	0.002151818	0.118	**Tspan15**	tetraspanin 15
A_51_P217498	0.003629636	0.118	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_30_P01019086	2.07E-07	0.118		
A_51_P251129	1.71E-08	0.118	**Stard8**	START domain containing 8
A_51_P225948	1.84E-09	0.119	**Snx33**	sorting nexin 33
A_51_P346893	0.000777001	0.119	**Extl1**	exostoses (multiple)-like 1
A_55_P2022049	8.05E-07	0.119	**Klf15**	Kruppel-like factor 15
A_51_P217498	0.004366105	0.119	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P124535	4.07E-07	0.119	**Mest**	mesoderm specific transcript
A_51_P126626	1.78E-05	0.119	**Zfp503**	zinc finger protein 503
A_30_P01026270	0.000133099	0.120		
A_55_P2042600	3.60E-06	0.120		
A_55_P2058403	2.53E-06	0.121	**Mast3**	microtubule associated serine/threonine kinase 3
A_55_P2303972	9.24E-06	0.121	**LOC100503880**	hypothetical protein LOC100503880

A_30_P01026254	0.004273274	0.121		
A_55_P1989698	1.02E-05	0.122	**Mmp11**	matrix metallopeptidase 11
A_55_P2085400	0.00156005	0.122	**Gpam**	glycerol-3-phosphate acyltransferase, mitochondrial
A_65_P01247	3.99E-10	0.122	**Hjurp**	Holliday junction recognition protein
A_55_P2320313	1.29E-07	0.123	**LOC100502627**	hypothetical LOC100502627
A_52_P28775	3.23E-08	0.123	**Engase**	endo-beta-N-acetylglucosaminidase
A_52_P539434	9.11E-07	0.123	**Lbh**	limb-bud and heart
A_30_P01022503	4.32E-08	0.123		
A_51_P277336	3.19E-09	0.124	**Sdpr**	serum deprivation response
A_51_P126626	1.52E-05	0.125	**Zfp503**	zinc finger protein 503
A_51_P329928	1.42E-08	0.125	**Phlda3**	pleckstrin homology-like domain, family A, member 3
A_55_P2146500	2.14E-06	0.125		
A_51_P410918	3.02E-07	0.125	**A830007P12Rik**	RIKEN cDNA A830007P12 gene
A_52_P185054	9.37E-09	0.125		
A_66_P134481	8.13E-07	0.125	**Skp2**	S-phase kinase-associated protein 2 (p45)
A_55_P2018116	5.48E-06	0.126	**Pabpc4l**	poly(A) binding protein, cytoplasmic 4-like
A_51_P440047	8.14E-09	0.126	**1110067D22Rik**	RIKEN cDNA 1110067D22 gene
A_51_P419637	3.73E-07	0.126	**Dclk3**	doublecortin-like kinase 3
A_55_P2178084	4.21E-07	0.127	**Dnmt3a**	DNA methyltransferase 3A
A_51_P126626	7.44E-06	0.127	**Zfp503**	zinc finger protein 503
A_51_P124535	1.17E-06	0.127	**Mest**	mesoderm specific transcript
A_51_P492742	4.10E-08	0.127	**Bbs10**	Bardet-Biedl syndrome 10 (human)
A_52_P677891	7.52E-07	0.127	**Fam174b**	family with sequence similarity 174, member B
A_55_P1967820	8.62E-08	0.127	**AI661453**	expressed sequence AI661453
A_51_P351217	8.40E-06	0.128	**Rab39**	RAB39, member RAS oncogene family
A_55_P2258109	7.03E-08	0.128	**LOC100502982**	hypothetical LOC100502982
A_55_P2364738	2.81E-06	0.128	**Plxdc1**	plexin domain containing 1
A_55_P2094520	2.25E-10	0.128	**Fam171a1**	family with sequence similarity 171, member A1
A_52_P233441	0.000509413	0.129	**Gata2**	GATA binding protein 2
A_51_P314285	8.04E-07	0.129	**Tmem86a**	transmembrane protein 86A
A_55_P1988899	9.42E-08	0.129	**Mblac2**	metallo-beta-lactamase domain containing 2
A_51_P483483	8.15E-08	0.129		
A_52_P424826	1.82E-11	0.129	**Txnl4b**	thioredoxin-like 4B
A_55_P2354531	1.95E-08	0.129	**2610029K11Rik**	RIKEN cDNA 2610029K11 gene
A_51_P326994	3.93E-07	0.130	**Calhm2**	calcium homeostasis modulator 2
A_55_P2371801	1.59E-06	0.130	**LOC100502705**	hypothetical LOC100502705
A_30_P01030694	1.84E-08	0.130		
A_52_P645632	2.23E-05	0.131	**Senp8**	SUMO/sentrin specific peptidase 8
A_51_P124535	1.26E-08	0.131	**Mest**	mesoderm specific transcript
A_51_P129464	0.000127498	0.131	**Scd2**	stearoyl-Coenzyme A desaturase 2
A_55_P2157517	1.40E-07	0.131	**Fam20c**	family with sequence similarity 20, member C
A_30_P01023875	3.82E-06	0.132		
A_55_P2094352	1.08E-06	0.132	**Zfp523**	zinc finger protein 523
A_55_P2106106	2.73E-08	0.132	**Gpr77**	G protein-coupled receptor 77
A_55_P1972927	1.07E-07	0.132	**Elk3**	ELK3, member of ETS oncogene family
A_51_P124535	3.99E-07	0.133	**Mest**	mesoderm specific transcript
A_65_P15340	5.89E-07	0.133	**Zfp251**	zinc finger protein 251
A_51_P117236	3.44E-08	0.133	**Zfp354a**	zinc finger protein 354A
A_52_P225898	2.74E-06	0.133	**Kcnj8**	potassium inwardly-rectifying channel, subfamily J, member 8
A_55_P2119927	5.27E-07	0.133		
A_55_P2165324	1.75E-05	0.133	**Acsl3**	acyl-CoA synthetase long-chain family member 3
A_51_P117236	8.01E-08	0.133	**Zfp354a**	zinc finger protein 354A
A_55_P2074281	3.59E-08	0.134	**Nr2f1**	nuclear receptor subfamily 2, group F, member 1
A_30_P01031627	1.40E-05	0.134		
A_51_P279693	1.33E-05	0.134	**Cyp1a1**	cytochrome P450, family 1, subfamily a, polypeptide 1
A_55_P2318584	7.16E-05	0.134	**Aqp8**	aquaporin 8
A_51_P124535	3.52E-06	0.135	**Mest**	mesoderm specific transcript
A_51_P117236	4.47E-08	0.135	**Zfp354a**	zinc finger protein 354A
A_55_P2001558	3.80E-08	0.135	**Zfp128**	zinc finger protein 128
A_51_P117236	6.02E-09	0.136	**Zfp354a**	zinc finger protein 354A
A_51_P117236	1.10E-08	0.136	**Zfp354a**	zinc finger protein 354A
A_55_P2146728	4.51E-07	0.137	**Zfp354a**	zinc finger protein 354A
A_55_P2009640	0.002831689	0.137	**1700048O20Rik**	RIKEN cDNA 1700048O20 gene
A_51_P106488	5.52E-07	0.137	**Speg**	SPEG complex locus
A_55_P2029846	2.12E-08	0.137	**BC031353**	cDNA sequence BC031353
A_51_P349727	5.12E-07	0.137	**Slc25a45**	solute carrier family 25, member 45
A_55_P1966714	7.01E-08	0.137		
A_55_P2142251	1.45E-06	0.137	**Hist2h3c2-ps**	histone cluster 2, H3c2, pseudogene
A_51_P448091	6.20E-07	0.137	**Zfp78**	zinc finger protein 78
A_30_P01031952	1.71E-07	0.137		
A_30_P01024587	5.39E-05	0.137		
A_55_P2316041	0.000311229	0.137	**BC050972**	cDNA sequence BC050972
A_52_P232637	0.000218472	0.138	**Dhh**	desert hedgehog
A_55_P2155848	1.44E-06	0.138	**Gm14207**	predicted gene 14207
A_51_P404077	0.000526987	0.138	**Fzd2**	frizzled homolog 2 (Drosophila)
A_52_P488779	3.45E-05	0.138	**Pilrb2**	paired immunoglobin-like type 2 receptor beta 2
A_51_P124535	1.03E-05	0.138	**Mest**	mesoderm specific transcript
A_30_P01024562	3.87E-06	0.138		
A_51_P117236	3.87E-08	0.138	**Zfp354a**	zinc finger protein 354A
A_30_P01024055	0.000235255	0.139		
A_52_P671625	5.24E-07	0.139	**Trim45**	tripartite motif-containing 45
A_51_P124535	1.61E-06	0.139	**Mest**	mesoderm specific transcript
A_51_P239750	3.23E-05	0.139	**Inhba**	inhibin beta-A
A_55_P2087796	1.21E-10	0.140	**Fam176b**	family with sequence similarity 176, member B
A_30_P01026385	2.29E-06	0.140		
A_66_P103511	2.62E-07	0.140	**Gm3289**	predicted gene 3289
A_55_P1993777	3.77E-07	0.140	**Rbfox3**	RNA binding protein, fox-1 homolog (C. elegans) 3
A_51_P165087	1.29E-05	0.140	**Snai1**	snail homolog 1 (Drosophila)
A_66_P122781	2.78E-07	0.141	**BC025920**	zinc finger protein pseudogene
A_55_P1983683	2.40E-06	0.141	**Rgag4**	retrotransposon gag domain containing 4
A_66_P118772	0.000178273	0.141	**Tmem136**	transmembrane protein 136
A_55_P2106096	5.65E-08	0.141	**Fam171a1**	family with sequence similarity 171, member A1
A_51_P334318	1.09E-06	0.141	**2010110P09Rik**	RIKEN cDNA 2010110P09 gene
A_51_P240693	5.82E-10	0.141	**Tecpr1**	tectonin beta-propeller repeat containing 1
A_51_P117236	8.06E-08	0.141	**Zfp354a**	zinc finger protein 354A
A_55_P2111355	1.66E-09	0.142	**Egfl7**	EGF-like domain 7
A_55_P2113310	5.34E-08	0.142		
A_55_P1952547	2.02E-07	0.142	**Sh3rf1**	SH3 domain containing ring finger 1
A_55_P1968200	2.65E-07	0.142	**Hjurp**	Holliday junction recognition protein
A_55_P2093439	7.01E-06	0.143	**Mex3d**	mex3 homolog D (C. elegans)

A_30_P01021768	1.47E-06	0.143		
A_51_P117236	2.98E-07	0.143	**Zfp354a**	zinc finger protein 354A
A_51_P517672	4.94E-06	0.143	**Rnf152**	ring finger protein 152
A_51_P223709	1.06E-06	0.143	**Pask**	PAS domain containing serine/threonine kinase
A_55_P2218334	5.13E-05	0.143	**9430011C21Rik**	RIKEN cDNA 9430011C21 gene
A_51_P453043	0.000474663	0.144	**Aacs**	acetoacetyl-CoA synthetase
A_55_P2099610	4.52E-07	0.144	**Plekha6**	pleckstrin homology domain containing, family A member 6
A_55_P2082914	0.001179321	0.144	**Acly**	ATP citrate lyase
A_30_P01022977	5.87E-07	0.145		
A_30_P01022631	6.22E-05	0.145		
A_55_P2000643	8.78E-06	0.145		
A_51_P290931	9.07E-05	0.145		
A_55_P2128283	6.98E-10	0.145	**Nr2f2**	nuclear receptor subfamily 2, group F, member 2
A_55_P1978755	0.000230727	0.146	**Zfp606**	zinc finger protein 606
A_55_P1969002	0.000599012	0.146	**Tbx3**	T-box 3
A_55_P2108248	6.56E-07	0.146	**Art4**	ADP-ribosyltransferase 4
A_55_P2025954	0.000867787	0.146	**Acly**	ATP citrate lyase
A_55_P2098935	2.66E-07	0.146	**Sh2d3c**	SH2 domain containing 3C
A_55_P2082658	2.85E-09	0.147		
A_55_P2075258	1.67E-05	0.147		
A_55_P2013586	0.000774877	0.148	**Prss8**	protease, serine, 8 (prostasin)
A_52_P71105	2.81E-06	0.148	**Sertad3**	SERTA domain containing 3
A_51_P342906	7.83E-06	0.148	**Sh3bp1**	SH3-domain binding protein 1
A_51_P321531	5.31E-06	0.148	**Purg**	purine-rich element binding protein G
A_66_P114333	5.88E-07	0.148	**Tlr12**	toll-like receptor 12
A_52_P89335	5.14E-07	0.148	**Tmie**	transmembrane inner ear
A_52_P1010776	0.000101919	0.148		
A_52_P159050	7.90E-06	0.149		
A_30_P01030217	1.40E-06	0.149		
A_52_P632691	2.05E-07	0.149	**Zfp395**	zinc finger protein 395
A_55_P1989061	3.51E-05	0.149	**Tsc22d3**	TSC22 domain family, member 3
A_55_P2143923	0.000133886	0.149	**Slc13a2**	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2
A_52_P179068	4.07E-10	0.150	**Gucy1b3**	guanylate cyclase 1, soluble, beta 3
A_51_P126626	4.57E-06	0.150	**Zfp503**	zinc finger protein 503
A_55_P2171966	2.65E-05	0.151	**Tnfaip8l3**	tumor necrosis factor, alpha-induced protein 8-like 3
A_55_P1988795	0.000669039	0.151	**Acss2**	acyl-CoA synthetase short-chain family member 2
A_51_P251487	1.81E-05	0.151	**Nkapl**	NFKB activating protein-like
A_30_P01033650	1.90E-06	0.152		
A_52_P491244	9.40E-08	0.152	**Zfp287**	zinc finger protein 287
A_51_P402160	5.10E-09	0.152	**Zfp750**	zinc finger protein 750
A_51_P469951	0.000423387	0.152	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_51_P326685	0.001377656	0.152	**Lrtm1**	leucine-rich repeats and transmembrane domains 1
A_30_P01020035	2.19E-06	0.152		
A_30_P01018332	5.11E-06	0.153		
A_55_P2152225	0.003750184	0.153	**Ihh**	Indian hedgehog
A_55_P2115151	2.28E-07	0.153	**Acpl2**	acid phosphatase-like 2
A_55_P2275692	5.79E-07	0.153	**2900005J15Rik**	RIKEN cDNA 2900005J15 gene
A_51_P267354	9.56E-08	0.153	**Lrfn3**	leucine rich repeat and fibronectin type III domain containing 3
A_51_P256066	0.000757806	0.154	**Tiam2**	T-cell lymphoma invasion and metastasis 2
A_51_P459944	6.00E-09	0.154	**Tcf21**	transcription factor 21
A_55_P2228122	4.61E-07	0.154	**BC024137**	cDNA sequence BC024137
A_55_P2054854	2.48E-07	0.154	**Art4**	ADP-ribosyltransferase 4
A_52_P257625	0.001553554	0.154	**Esm1**	endothelial cell-specific molecule 1
A_55_P2000783	1.76E-05	0.154	**Axin2**	axin2
A_51_P117865	1.66E-06	0.155	**Fam20c**	family with sequence similarity 20, member C
A_55_P2166607	5.31E-06	0.155	**Traf3ip1**	TRAF3 interacting protein 1
A_66_P116451	1.26E-07	0.156	**2210039B01Rik**	RIKEN cDNA 2210039B01 gene
A_30_P01026693	1.71E-07	0.156		
A_55_P2156062	3.27E-10	0.157		
A_52_P615375	2.40E-06	0.157	**Hist3h2a**	histone cluster 3, H2a
A_30_P01022168	1.80E-07	0.157		
A_66_P125777	1.22E-07	0.158	**Slc43a2**	solute carrier family 43, member 2
A_52_P586141	9.68E-07	0.159	**Adcy7**	adenylate cyclase 7
A_51_P357735	1.79E-07	0.159	**Inhbe**	inhibin beta E
A_52_P589664	3.78E-06	0.159	**Zfp846**	zinc finger protein 846
A_55_P1977850	6.43E-05	0.159	**Sall1**	sal-like 1 (Drosophila)
A_51_P237585	8.58E-09	0.159	**Btnl9**	butyrophilin-like 9
A_51_P440743	8.02E-05	0.160	**Celsr1**	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)
A_51_P229925	7.10E-08	0.160	**Chst7**	carbohydrate (N-acetylglucosamino) sulfotransferase 7
A_52_P342620	1.81E-06	0.160	**Csrnp2**	cysteine-serine-rich nuclear protein 2
A_55_P2044582	9.45E-07	0.160	**Iglon5**	IgLON family member 5
A_55_P2076777	1.80E-05	0.160	**Mdfi**	MyoD family inhibitor
A_52_P340073	3.11E-06	0.161	**Efnb2**	ephrin B2
A_51_P445473	0.000144742	0.161	**Fut7**	fucosyltransferase 7
A_55_P2066007	9.24E-08	0.161	**Crocc**	ciliary rootlet coiled-coil, rootletin
A_55_P2184334	5.72E-06	0.161	**LOC100504975**	hypothetical protein LOC100504975
A_51_P315890	1.12E-06	0.161	**Kcnk6**	potassium inwardly-rectifying channel, subfamily K, member 6
A_55_P1960167	1.97E-08	0.161	**Bcat2**	branched chain aminotransferase 2, mitochondrial
A_51_P510722	1.97E-08	0.161	**1110008J03Rik**	RIKEN cDNA 1110008J03 gene
A_55_P1989312	2.72E-06	0.161	**Prkd3**	protein kinase D3
A_51_P355753	2.23E-05	0.161	**Hic1**	hypermethylated in cancer 1
A_51_P372702	3.64E-08	0.161	**Il16**	interleukin 16
A_52_P614777	0.000181061	0.161	**Sucnr1**	succinate receptor 1
A_52_P54280	5.30E-07	0.161	**Adck3**	aarF domain containing kinase 3
A_30_P01033023	0.000447947	0.162		
A_55_P2258261	3.80E-06	0.162	**1810008I18Rik**	RIKEN cDNA 1810008I18 gene
A_52_P153291	6.69E-05	0.162	**Ccrl1**	chemokine (C-C motif) receptor-like 1
A_30_P01032925	2.87E-07	0.162		
A_55_P2043657	3.28E-07	0.162	**Zfp677**	zinc finger protein 677
A_51_P296487	0.000247009	0.163	**Lss**	lanosterol synthase
A_51_P112308	0.000328081	0.163	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_52_P222624	1.37E-07	0.163	**Hspb2**	heat shock protein 2
A_55_P2273656	0.002214325	0.163	**4930403O15Rik**	RIKEN cDNA 4930403O15 gene
A_51_P112308	0.000257334	0.163	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P112308	0.000266593	0.163	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2163812	4.54E-10	0.164	**Sept4**	septin 4
A_51_P270899	3.43E-08	0.164	**Zfp61**	zinc finger protein 61
A_55_P2199118	1.21E-05	0.164	**Bend4**	BEN domain containing 4
A_30_P01033408	7.97E-06	0.164		
A_55_P2348799	4.32E-06	0.165	**1700025G04Rik**	RIKEN cDNA 1700025G04 gene

A_52_P426863	9.18E-08	0.165	**C230052I12Rik**	RIKEN cDNA C230052I12 gene
A_55_P2078285	6.93E-06	0.165	**Uck1**	uridine-cytidine kinase 1
A_55_P2367415	9.27E-06	0.165	**A630026N12Rik**	RIKEN cDNA A630026N12 gene
A_51_P133920	0.0004958	0.165	**Lmln**	leishmanolysin-like (metallopeptidase M8 family)
A_66_P119164	4.73E-06	0.166	**Zfp354c**	zinc finger protein 354C
A_51_P264084	7.54E-09	0.166	**Rab36**	RAB36, member RAS oncogene family
A_55_P1993836	9.75E-06	0.166	**Dusp7**	dual specificity phosphatase 7
A_55_P2104572	2.78E-06	0.167	**6330416G13Rik**	RIKEN cDNA 6330416G13 gene
A_51_P112308	0.000269036	0.167	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P317191	9.70E-06	0.167	**Eepd1**	endonuclease/exonuclease/phosphatase family domain containing 1
A_51_P472726	1.51E-08	0.167	**Pdlim2**	PDZ and LIM domain 2
A_55_P2070510	1.11E-05	0.167	**Gas1**	growth arrest specific 1
A_52_P209484	2.08E-07	0.167	**Tmem88**	transmembrane protein 88
A_55_P2171413	0.000765573	0.167	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic
A_51_P206824	1.93E-08	0.167	**Hfe2**	hemochromatosis type 2 (juvenile) (human homolog)
A_55_P2056926	1.03E-07	0.167	**Mtss1l**	metastasis suppressor 1-like
A_55_P2278551	1.48E-06	0.167	**1700037F03Rik**	RIKEN cDNA 1700037F03 gene
A_51_P112308	0.000541459	0.168	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P112308	0.000370768	0.168	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P112308	0.000258632	0.168	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P1981241	2.46E-07	0.168	**Grasp**	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein
A_51_P493117	9.24E-06	0.168	**Slc16a9**	solute carrier family 16 (monocarboxylic acid transporters), member 9
A_52_P834112	1.02E-05	0.168	**3021401N23Rik**	RIKEN cDNA 3021401N23 gene
A_51_P112308	0.000252988	0.168	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2113210	1.85E-06	0.168	**Cyth4**	cytohesin 4
A_30_P01021934	8.50E-05	0.169		
A_51_P209736	0.002166863	0.169	**Atoh8**	atonal homolog 8 (Drosophila)
A_52_P219913	1.34E-07	0.169	**Cdan1**	congenital dyserythropoietic anemia, type I (human)
A_51_P152797	5.11E-07	0.169	**2810039B14Rik**	RIKEN cDNA 2810039B14 gene
A_55_P2165655	1.17E-08	0.170	**Zbtb4**	zinc finger and BTB domain containing 4
A_52_P505143	2.31E-06	0.170	**Jrk**	jerky
A_51_P310164	4.20E-06	0.170	**2810459M11Rik**	RIKEN cDNA 2810459M11 gene
A_30_P01019987	6.82E-06	0.170		
A_55_P2060922	3.31E-09	0.170	**Unc5a**	unc-5 homolog A (C. elegans)
A_51_P112308	0.000308114	0.170	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_66_P104624	0.003950014	0.170	**4930509E16Rik**	RIKEN cDNA 4930509E16 gene
A_55_P2133845	2.95E-07	0.171	**Eid2b**	EP300 interacting inhibitor of differentiation 2B
A_55_P1957468	2.22E-08	0.171	**She**	src homology 2 domain-containing transforming protein E
A_55_P2061273	2.19E-05	0.171	**Tbx6**	T-box 6
A_52_P274496	1.57E-06	0.171	**Tspan18**	tetraspanin 18
A_52_P30451	5.97E-06	0.172	**Ppp1r3c**	protein phosphatase 1, regulatory (inhibitor) subunit 3C
A_30_P01030889	0.000140537	0.172		
A_52_P260994	2.67E-05	0.172	**Fgd2**	FYVE, RhoGEF and PH domain containing 2
A_55_P1963863	2.04E-07	0.172	**Arhgef17**	Rho guanine nucleotide exchange factor (GEF) 17
A_55_P2223851	0.000542761	0.172		
A_51_P247184	5.27E-07	0.172	**Npr3**	natriuretic peptide receptor 3
A_51_P429366	0.000341723	0.172	**Hes6**	hairy and enhancer of split 6 (Drosophila)
A_55_P2040090	8.87E-05	0.173	**Fn3k**	fructosamine 3 kinase
A_51_P112308	0.000394312	0.173	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2026315	9.12E-06	0.173	**Gys1**	glycogen synthase 1, muscle
A_52_P671784	3.45E-06	0.174	**Adamts10**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 10
A_55_P2060021	2.12E-08	0.174	**Otub2**	OTU domain, ubiquitin aldehyde binding 2
A_51_P391367	1.83E-07	0.174	**Tcfap4**	transcription factor AP4
A_51_P199008	2.52E-07	0.174	**Zfp108**	zinc finger protein 108
A_55_P1998816	4.25E-08	0.175	**Zfand5**	zinc finger, AN1-type domain 5
A_55_P1988789	0.000884325	0.175	**Acss2**	acyl-CoA synthetase short-chain family member 2
A_52_P270145	1.59E-07	0.175	**Zfp329**	zinc finger protein 329
A_51_P329949	3.58E-06	0.175	**Fam13a**	family with sequence similarity 13, member A
A_52_P603038	0.000472523	0.176	**Olig1**	oligodendrocyte transcription factor 1
A_51_P290921	8.85E-06	0.176	**Sytl2**	synaptotagmin-like 2
A_55_P2310898	9.16E-06	0.176	**2810454L23Rik**	RIKEN cDNA 2810454L23 gene
A_52_P198435	4.04E-06	0.176	**Rasgrp3**	RAS, guanyl releasing protein 3
A_55_P1957922	5.58E-06	0.176	**Arrdc2**	arrestin domain containing 2
A_55_P2001589	3.01E-10	0.176	**Klhl8**	kelch-like 8 (Drosophila)
A_55_P2057622	2.29E-07	0.176	**Ocel1**	occludin/ELL domain containing 1
A_66_P120949	1.40E-08	0.177	**Rad51l3**	RAD51-like 3 (S. cerevisiae)
A_55_P1974577	2.46E-05	0.177	**Nfam1**	Nfat activating molecule with ITAM motif 1
A_66_P139703	0.000138995	0.177		
A_55_P1967538	3.25E-05	0.177	**Hunk**	hormonally upregulated Neu-associated kinase
A_55_P2041723	0.000186796	0.177	**Mid1ip1**	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))
A_30_P01018977	8.58E-06	0.178		
A_51_P156564	0.000494545	0.178	**Zfp839**	zinc finger protein 839
A_55_P2010567	7.03E-06	0.178		
A_55_P2044488	1.03E-06	0.178	**Gm10766**	predicted gene 10766
A_51_P184969	3.89E-07	0.178	**Rilpl1**	Rab interacting lysosomal protein-like 1
A_52_P194971	2.30E-06	0.179	**Hoxb7**	homeobox B7
A_52_P456750	6.14E-07	0.179	**Aph1b**	anterior pharynx defective 1b homolog (C. elegans)
A_51_P472078	0.000110487	0.179	**8430432A02Rik**	RIKEN cDNA 8430432A02 gene
A_55_P1992329	8.34E-05	0.179	**Gmpr**	guanosine monophosphate reductase
A_30_P01031437	0.000423268	0.179		
A_52_P500077	7.69E-08	0.179	**Zfp551**	zinc fingr protein 551
A_51_P191893	3.05E-06	0.179		
A_55_P2055869	5.10E-07	0.180	**Dvl2**	dishevelled 2, dsh homolog (Drosophila)
A_55_P2075884	3.39E-06	0.180	**Senp8**	SUMO/sentrin specific peptidase 8
A_55_P2143251	2.27E-05	0.180		
A_51_P109369	5.28E-06	0.180	**Fbxo32**	F-box protein 32
A_66_P102076	6.66E-07	0.181		
A_51_P106397	3.47E-07	0.182	**Prkd3**	protein kinase D3
A_30_P01019332	2.25E-07	0.182		
A_55_P2019734	3.34E-07	0.182		
A_51_P516793	2.28E-05	0.182		
A_52_P474089	2.96E-06	0.182	**Capn6**	calpain 6
A_55_P2047621	5.32E-08	0.182	**D730039F16Rik**	RIKEN cDNA D730039F16 gene
A_51_P356265	2.01E-06	0.183	**Acrbp**	proacrosin binding protein
A_55_P2009952	0.000636448	0.183	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic
A_30_P01024344	0.001280409	0.183		
A_52_P305230	0.000511627	0.183	**Igsf21**	immunoglobin superfamily, member 21
A_52_P299846	3.77E-06	0.183	**Sh3rf1**	SH3 domain containing ring finger 1
A_30_P01030736	8.51E-07	0.183		
A_55_P2021565	2.39E-08	0.184	**Ntf3**	neurotrophin 3

A_55_P2075070	0.000474121	0.184	**S1pr5**	sphingosine-1-phosphate receptor 5
A_55_P1965892	3.20E-07	0.184	**Gnpda1**	glucosamine-6-phosphate deaminase 1
A_55_P2004084	7.07E-07	0.184	**Iqce**	IQ motif containing E
A_52_P48681	1.86E-07	0.185	**Cldn1**	claudin 1
A_51_P329332	1.64E-07	0.185	**Slc19a2**	solute carrier family 19 (thiamine transporter), member 2
A_55_P2017086	5.57E-07	0.185	**Ezh1**	enhancer of zeste homolog 1 (Drosophila)
A_30_P01018104	0.000141427	0.185		
A_55_P1957088	2.92E-08	0.185	**Fam53b**	family with sequence similarity 53, member B
A_55_P2184449	1.67E-05	0.186		
A_51_P375987	4.07E-06	0.186	**Fign**	fidgetin
A_51_P130332	1.21E-06	0.186	**Hspa12b**	heat shock protein 12B
A_52_P248343	3.57E-05	0.187	**Mylip**	myosin regulatory light chain interacting protein
A_51_P519108	0.00010451	0.187	**6330439K17Rik**	RIKEN cDNA 6330439K17 gene
A_52_P102248	0.000374803	0.187	**Mex3b**	mex3 homolog B (C. elegans)
A_52_P84353	7.05E-09	0.187	**Homez**	homeodomain leucine zipper-encoding gene
A_55_P2252601	9.64E-07	0.187		
A_52_P350616	2.07E-08	0.187	**Mrm1**	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)
A_30_P01025274	7.66E-05	0.187		
A_55_P1965233	7.31E-07	0.188	**Sh3tc1**	SH3 domain and tetratricopeptide repeats 1
A_51_P495379	4.23E-09	0.188	**Fhod1**	formin homology 2 domain containing 1
A_51_P509211	1.28E-08	0.188	**Rnf34**	ring finger protein 34
A_51_P464023	9.63E-06	0.188	**Chst12**	carbohydrate sulfotransferase 12
A_55_P2126368	1.04E-05	0.188	**Atad5**	ATPase family, AAA domain containing 5
A_66_P129622	1.36E-06	0.188	**Phldb3**	pleckstrin homology-like domain, family B, member 3
A_52_P436447	5.96E-05	0.188	**Slc25a35**	solute carrier family 25, member 35
A_51_P479786	9.64E-08	0.189	**Smtn**	smoothelin
A_55_P2067533	5.92E-05	0.189	**Foxa2**	forkhead box A2
A_55_P1962429	3.18E-07	0.189	**Maf**	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog
A_55_P2026487	8.96E-07	0.189		
A_51_P407999	9.30E-08	0.189	**1500011B03Rik**	RIKEN cDNA 1500011B03 gene
A_30_P01026164	0.004284675	0.189		
A_55_P2251974	6.09E-06	0.190	**A930038B10Rik**	RIKEN cDNA A930038B10 gene
A_51_P384402	1.20E-06	0.190	**Dll4**	delta-like 4 (Drosophila)
A_55_P2107182	0.001521824	0.190	**Gm6484**	predicted gene 6484
A_51_P383991	2.50E-10	0.190	**Sept4**	septin 4
A_51_P162116	1.33E-06	0.191	**Mblac1**	metallo-beta-lactamase domain containing 1
A_51_P390804	1.03E-06	0.191	**Wisp2**	WNT1 inducible signaling pathway protein 2
A_30_P01033217	8.67E-08	0.191		
A_51_P479818	7.42E-07	0.191	**Lonrf3**	LON peptidase N-terminal domain and ring finger 3
A_55_P1978962	7.64E-11	0.191	**Slc9a3r2**	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2
A_51_P389864	9.86E-06	0.191	**B3gnt9-ps**	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9, pseudogene
A_55_P1955632	1.17E-08	0.191	**Trp53i11**	transformation related protein 53 inducible protein 11
A_55_P2018929	5.55E-06	0.191	**Spns2**	spinster homolog 2 (Drosophila)
A_51_P106397	1.25E-06	0.192	**Prkd3**	protein kinase D3
A_66_P124420	0.000276178	0.192		
A_66_P137374	8.91E-05	0.193		
A_55_P2077343	5.36E-07	0.193	**Ahdc1**	AT hook, DNA binding motif, containing 1
A_55_P2054261	5.52E-05	0.193	**C2cd4b**	C2 calcium-dependent domain containing 4B
A_55_P1953311	1.88E-09	0.193	**Stx2**	syntaxin 2
A_51_P106397	4.03E-06	0.193	**Prkd3**	protein kinase D3
A_51_P462428	2.28E-06	0.194	**Galntl2**	UDP-N-acetyl-alpha-D-galactosamine:polypeptideN-acetylgalactosaminyltransferase-like2
A_55_P2112225	2.61E-07	0.194		
A_30_P01020894	5.89E-05	0.194		
A_30_P01018348	2.27E-05	0.194		
A_52_P350664	9.58E-07	0.194	**Pygb**	brain glycogen phosphorylase
A_51_P106397	9.05E-07	0.194	**Prkd3**	protein kinase D3
A_55_P1987904	1.07E-06	0.194	**Chpf2**	chondroitin polymerizing factor 2
A_30_P01017666	6.21E-05	0.194		
A_55_P2066180	1.23E-08	0.194	**C630004H02Rik**	RIKEN cDNA C630004H02 gene
A_55_P2134236	5.20E-05	0.194	**Foxa2**	forkhead box A2
A_55_P2108609	1.85E-05	0.195	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_30_P01027233	6.89E-08	0.195		
A_51_P363749	3.41E-05	0.195	**Irf6**	interferon regulatory factor 6
A_55_P2001998	1.06E-05	0.195	**Zfp503**	zinc finger protein 503
A_55_P1990870	5.27E-06	0.195		
A_51_P357207	7.47E-06	0.195	**Zfp518b**	zinc finger protein 518B
A_55_P2110435	6.15E-06	0.195	**Zscan20**	zinc finger and SCAN domains 20
A_55_P2052490	1.19E-07	0.195	**Ushbp1**	Usher syndrome 1C binding protein 1
A_55_P2089070	1.28E-07	0.196	**4933431K14Rik**	RIKEN cDNA 4933431K14 gene
A_52_P307893	9.50E-11	0.196	**Pip4k2b**	phosphatidylinositol-5-phosphate 4-kinase, type II, beta
A_55_P2012759	3.84E-08	0.196	**Ccdc64**	coiled-coil domain containing 64
A_51_P240594	5.94E-06	0.196	**Zfp7**	zinc finger protein 7
A_66_P130911	1.56E-05	0.196	**5430407P10Rik**	RIKEN cDNA 5430407P10 gene
A_55_P2183473	4.91E-11	0.196	**Cldn3**	claudin 3
A_51_P285097	2.78E-05	0.197	**Wdr38**	WD repeat domain 38
A_51_P250123	6.75E-07	0.197	**Zfp763**	zinc finger protein 763
A_55_P1990970	1.51E-07	0.197	**Casp9**	caspase 9
A_30_P01024210	0.000233903	0.197		
A_55_P2084703	0.000751065	0.197	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_51_P106397	1.21E-06	0.198	**Prkd3**	protein kinase D3
A_51_P106397	1.06E-06	0.198	**Prkd3**	protein kinase D3
A_30_P01028111	7.37E-05	0.198		
A_55_P2015700	3.93E-09	0.198	**Evi5l**	ecotropic viral integration site 5 like
A_30_P01029005	0.004350833	0.198		
A_55_P2081116	0.000512182	0.199	**Fam89a**	family with sequence similarity 89, member A
A_51_P106397	2.44E-06	0.199	**Prkd3**	protein kinase D3
A_55_P2051094	2.60E-09	0.200	**Rorc**	RAR-related orphan receptor gamma
A_51_P517051	7.03E-06	0.200	**Gatsl3**	GATS protein-like 3
A_51_P382347	2.33E-05	0.200	**Nphp3**	nephronophthisis 3 (adolescent)
A_52_P207335	4.99E-06	0.201	**2810432L12Rik**	RIKEN cDNA 2810432L12 gene
A_55_P2284119	2.11E-05	0.201	**Zfp395**	zinc finger protein 395
A_52_P49457	2.37E-05	0.201	**Fbxl16**	F-box and leucine-rich repeat protein 16
A_30_P01032861	4.40E-07	0.201		
A_51_P106397	1.97E-06	0.201	**Prkd3**	protein kinase D3
A_51_P244504	3.60E-07	0.201	**Oraov1**	oral cancer overexpressed 1
A_55_P2196037	8.44E-06	0.201	**A630031M23Rik**	Riken cDNA A630031M23 gene
A_51_P391764	4.08E-08	0.201	**Cbx6**	chromobox homolog 6
A_55_P2126572	1.05E-05	0.201	**Tmem25**	transmembrane protein 25
A_55_P2105457	8.26E-09	0.201	**Zfp7**	zinc finger protein 7
A_30_P01023884	5.47E-06	0.202		

A_52_P350554	4.21E-06	0.202	**Kcnb1**	potassium voltage gated channel, Shab-related subfamily, member 1
A_55_P2023617	1.70E-06	0.202	**Kiss1r**	KISS1 receptor
A_55_P2156126	3.98E-07	0.202		
A_55_P2280868	1.31E-07	0.202		
A_51_P202596	8.11E-06	0.202	**Sh3tc2**	SH3 domain and tetratricopeptide repeats 2
A_52_P550147	3.84E-07	0.202	**Sned1**	sushi, nidogen and EGF-like domains 1
A_51_P109369	4.72E-05	0.203	**Fbxo32**	F-box protein 32
A_51_P214985	0.000872978	0.203	**Zfp521**	zinc finger protein 521
A_55_P2301063	1.22E-05	0.203	**9930024M15Rik**	RIKEN cDNA 9930024M15 gene
A_55_P2079928	9.76E-08	0.203	**Ccdc68**	coiled-coil domain containing 68
A_55_P2000454	4.51E-05	0.204		
A_55_P2079927	5.22E-07	0.204	**Ccdc68**	coiled-coil domain containing 68
A_51_P106397	1.47E-06	0.204	**Prkd3**	protein kinase D3
A_55_P1993293	4.34E-09	0.204	**Ndrg3**	N-myc downstream regulated gene 3
A_55_P2326205	7.74E-06	0.204	**2810405F17Rik**	RIKEN cDNA 2810405F17 gene
A_55_P2016237	2.17E-06	0.204	**Hand2**	heart and neural crest derivatives expressed transcript 2
A_55_P2182358	0.00181297	0.205	**Arid3a**	AT rich interactive domain 3A (BRIGHT-like)
A_55_P2114908	1.37E-07	0.205	**Nek3**	NIMA (never in mitosis gene a)-related expressed kinase 3
A_55_P2004532	1.55E-05	0.205	**C530028O21Rik**	RIKEN cDNA C530028O21 gene
A_52_P678056	1.42E-10	0.205	**Fam176b**	family with sequence similarity 176, member B
A_55_P2002103	1.11E-07	0.205	**Hmha1**	histocompatibility (minor) HA-1
A_66_P107536	8.82E-07	0.205		
A_55_P2022805	3.80E-10	0.205	**1700021K19Rik**	RIKEN cDNA 1700021K19 gene
A_51_P185247	1.16E-06	0.205	**Gdf10**	growth differentiation factor 10
A_51_P462862	1.43E-05	0.206	**9430015G10Rik**	RIKEN cDNA 9430015G10 gene
A_55_P2149363	1.82E-07	0.206	**6430548M08Rik**	RIKEN cDNA 6430548M08 gene
A_30_P01033043	2.91E-07	0.206		
A_55_P1982186	6.82E-05	0.206	**Sgsm1**	small G protein signaling modulator 1
A_55_P2045096	4.11E-07	0.206	**Hjurp**	Holliday junction recognition protein
A_66_P125660	7.46E-07	0.206	**Nde1**	nuclear distribution gene E homolog 1 (A nidulans)
A_55_P2088711	4.64E-06	0.206	**Sgsm1**	small G protein signaling modulator 1
A_55_P2097508	1.55E-06	0.206	**Mcc**	mutated in colorectal cancers
A_55_P2158962	7.51E-07	0.206	**Dixdc1**	DIX domain containing 1
A_51_P108489	9.48E-10	0.206	**Gtl3**	gene trap locus 3
A_55_P1997898	1.69E-08	0.207	**Tcfeb**	transcription factor EB
A_55_P2160686	0.000221526	0.207	**Tsc22d1**	TSC22 domain family, member 1
A_55_P1985554	1.58E-06	0.207	**B4galt4**	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4
A_30_P01032980	0.000639551	0.207		
A_55_P2270412	2.87E-05	0.207	**C230096K16Rik**	RIKEN cDNA C230096K16 gene
A_55_P2085485	3.06E-06	0.207	**Lrdd**	leucine-rich and death domain containing
A_55_P2052696	1.87E-06	0.207	**Synm**	synemin, intermediate filament protein
A_55_P2082989	4.16E-06	0.207	**5430435G22Rik**	RIKEN cDNA 5430435G22 gene
A_51_P308347	1.27E-07	0.207	**Dact2**	dapper homolog 2, antagonist of beta-catenin (xenopus)
A_55_P1991475	3.58E-07	0.207	**Sesn1**	sestrin 1
A_52_P627068	3.59E-05	0.207	**Disp2**	dispatched homolog 2 (Drosophila)
A_30_P01027764	1.68E-06	0.208		
A_30_P01023043	0.000448734	0.208		
A_55_P1993168	3.94E-05	0.208	**Ppargc1b**	peroxisome proliferative activated receptor, gamma, coactivator 1 beta
A_51_P414243	9.34E-11	0.208	**C85492**	expressed sequence C85492
A_52_P136914	2.32E-05	0.208	**Nudt7**	nudix (nucleoside diphosphate linked moiety X)-type motif 7
A_51_P106397	3.21E-06	0.208	**Prkd3**	protein kinase D3
A_51_P341918	0.000264563	0.208	**Tsc22d1**	TSC22 domain family, member 1
A_51_P443569	2.65E-08	0.208	**Mum1**	melanoma associated antigen (mutated) 1
A_55_P2102464	0.000887514	0.209		
A_51_P379660	6.54E-06	0.209	**Mllt11**	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11
A_52_P853177	2.45E-05	0.209	**Angptl2**	angiopoietin-like 2
A_51_P281024	8.12E-10	0.209	**Rad9**	RAD9 homolog (S. pombe)
A_51_P291078	8.60E-07	0.209	**Sel1l3**	sel-1 suppressor of lin-12-like 3 (C. elegans)
A_55_P2058127	0.000104028	0.209	**Pde4dip**	phosphodiesterase 4D interacting protein (myomegalin)
A_55_P2117590	5.68E-05	0.209	**Zfp395**	zinc finger protein 395
A_55_P2093889	4.52E-10	0.209	**Arhgef19**	Rho guanine nucleotide exchange factor (GEF) 19
A_52_P664220	8.35E-07	0.209	**Zfp560**	zinc finger protein 560
A_55_P1955637	1.75E-06	0.210	**Trp53i11**	transformation related protein 53 inducible protein 11
A_52_P281702	2.78E-05	0.210	**Igfbp5**	insulin-like growth factor binding protein 5
A_55_P2146590	0.000456621	0.210	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2408588	3.44E-06	0.210	**Arntl**	aryl hydrocarbon receptor nuclear translocator-like
A_52_P8324	2.75E-05	0.210	**Tmem178**	transmembrane protein 178
A_55_P2236291	2.17E-06	0.210	**Ppap2a**	phosphatidic acid phosphatase type 2A
A_55_P2097945	4.89E-08	0.210	**Slx1b**	SLX1 structure-specific endonuclease subunit homolog B (S. cerevisiae)
A_55_P2010871	1.47E-10	0.211	**Daam2**	dishevelled associated activator of morphogenesis 2
A_51_P420655	1.15E-06	0.211	**Reep4**	receptor accessory protein 4
A_30_P01018650	7.70E-07	0.211		
A_30_P01030810	1.93E-07	0.211		
A_30_P01022698	1.66E-05	0.211		
A_30_P01020303	0.000255347	0.211		
A_55_P1977468	6.55E-08	0.211	**Dab2ip**	disabled homolog 2 (Drosophila) interacting protein
A_30_P01022812	1.19E-05	0.212		
A_55_P2010966	6.79E-08	0.212	**Zfp688**	zinc finger protein 688
A_55_P2007751	0.000300686	0.212		
A_51_P266618	2.87E-06	0.212	**Cyp8b1**	cytochrome P450, family 8, subfamily b, polypeptide 1
A_52_P101238	5.95E-10	0.212		
A_30_P01031014	9.26E-07	0.213		
A_55_P2142028	4.07E-06	0.213	**Clip4**	CAP-GLY domain containing linker protein family, member 4
A_55_P2016842	0.00036304	0.213	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic
A_52_P201531	2.08E-05	0.213	**Myo9a**	myosin IXa
A_55_P2065059	1.37E-06	0.213	**Wnt2**	wingless-related MMTV integration site 2
A_55_P1986174	9.68E-09	0.213	**D330012F22Rik**	RIKEN cDNA D330012F22 gene
A_51_P494481	1.63E-06	0.213	**Snx30**	sorting nexin family member 30
A_51_P109369	3.77E-05	0.213	**Fbxo32**	F-box protein 32
A_55_P2141084	2.14E-05	0.213	**Odz4**	odd Oz/ten-m homolog 4 (Drosophila)
A_52_P398279	1.87E-05	0.213		
A_52_P251183	6.64E-08	0.213	**Tmem177**	transmembrane protein 177
A_51_P155196	6.80E-07	0.214	**Abtb2**	ankyrin repeat and BTB (POZ) domain containing 2
A_55_P2058601	0.000252609	0.214		
A_55_P2158018	2.15E-07	0.214	**Rnf39**	ring finger protein 39
A_65_P08776	3.29E-05	0.214	**Zfp937**	zinc finger protein 937
A_30_P01031987	0.000158909	0.214		
A_51_P405167	1.70E-07	0.214	**Maf**	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog
A_30_P01018881	2.51E-05	0.214		
A_55_P1994942	6.00E-08	0.214	**Rorc**	RAR-related orphan receptor gamma

A_55_P2122688	5.02E-07	0.215	**Zmym3**	zinc finger, MYM-type 3
A_51_P383774	0.00050132	0.215	**Gngt1**	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
A_55_P2080378	1.58E-06	0.215	**Ttc30a2**	tetratricopeptide repeat domain 30A2
A_55_P2316612	7.35E-07	0.215	**6720407P12Rik**	RIKEN cDNA 6720407P12 gene
A_66_P130100	5.59E-05	0.215	**Rab23**	RAB23, member RAS oncogene family
A_55_P2151308	2.27E-07	0.215		
A_51_P108489	5.46E-09	0.215	**Gtl3**	gene trap locus 3
A_30_P01030702	0.000121929	0.215		
A_30_P01030293	7.66E-07	0.215		
A_51_P283473	1.79E-06	0.216	**Fibin**	fin bud initiation factor homolog (zebrafish)
A_55_P1959393	1.46E-07	0.216	**Hhat**	hedgehog acyltransferase
A_51_P197883	2.29E-07	0.216	**Dem1**	defects in morphology 1 homolog (S. cerevisiae)
A_52_P96748	1.02E-07	0.216	**Ttc30b**	tetratricopeptide repeat domain 30B
A_51_P430973	2.22E-06	0.216	**Paqr7**	progestin and adipoQ receptor family member VII
A_55_P1981714	1.44E-07	0.216	**Rreb1**	ras responsive element binding protein 1
A_52_P90507	4.82E-05	0.216	**Mfsd9**	major facilitator superfamily domain containing 9
A_30_P01018796	1.54E-06	0.216		
A_55_P2022364	3.40E-08	0.216	**Nxn**	nucleoredoxin
A_66_P121656	5.28E-07	0.217	**Pcgf1**	polycomb group ring finger 1
A_55_P2345916	5.13E-07	0.217	**2510016G02Rik**	RIKEN cDNA 2510016G02 gene
A_55_P2066897	8.25E-09	0.217	**A230045G11Rik**	RIKEN cDNA A230045G11 gene
A_51_P150678	3.14E-05	0.217	**Tnfaip8l2**	tumor necrosis factor, alpha-induced protein 8-like 2
A_55_P2189643	1.18E-05	0.217	**4933417C20Rik**	RIKEN cDNA 4933417C20 gene
A_51_P108489	2.42E-09	0.217	**Gtl3**	gene trap locus 3
A_55_P2321004	7.56E-06	0.217	**Zfp882**	zinc finger protein 882
A_51_P108489	9.05E-09	0.217	**Gtl3**	gene trap locus 3
A_51_P120254	1.34E-07	0.217	**Fbxl8**	F-box and leucine-rich repeat protein 8
A_30_P01030875	2.30E-05	0.217		
A_55_P2146177	2.80E-09	0.217	**Cerk**	ceramide kinase
A_52_P27122	4.53E-07	0.217	**Eif2c4**	eukaryotic translation initiation factor 2C, 4
A_55_P2033580	0.000265621	0.217	**Mmab**	methylmalonic aciduria (cobalamin deficiency) type B homolog (human)
A_52_P552879	1.04E-07	0.218	**Efcab4a**	EF-hand calcium binding domain 4A
A_51_P324303	4.18E-07	0.218	**Mylip**	myosin regulatory light chain interacting protein
A_66_P124715	7.92E-07	0.218	**Ppard**	peroxisome proliferator activator receptor delta
A_55_P2118302	8.19E-07	0.218	**Fam110a**	family with sequence similarity 110, member A
A_51_P108489	1.78E-09	0.218	**Gtl3**	gene trap locus 3
A_52_P512329	3.76E-08	0.218	**Zfp219**	zinc finger protein 219
A_55_P2113723	2.46E-07	0.219	**Pecr**	peroxisomal trans-2-enoyl-CoA reductase
A_55_P2019483	6.56E-05	0.219	**Ndrg4**	N-myc downstream regulated gene 4
A_51_P108489	7.15E-09	0.219	**Gtl3**	gene trap locus 3
A_30_P01029215	7.23E-05	0.219		
A_51_P315042	2.55E-06	0.219	**Avpr1a**	arginine vasopressin receptor 1A
A_55_P2325698	2.72E-06	0.219	**2010002M09Rik**	RIKEN cDNA 2010002M09 gene
A_52_P1036898	3.68E-05	0.219		
A_30_P01030185	6.25E-05	0.220		
A_51_P464588	1.42E-06	0.220	**Dnajc28**	DnaJ (Hsp40) homolog, subfamily C, member 28
A_55_P2071691	5.05E-07	0.220	**Kank3**	KN motif and ankyrin repeat domains 3
A_30_P01031284	0.000161573	0.220		
A_51_P368543	3.14E-06	0.220	**Abhd8**	abhydrolase domain containing 8
A_55_P2178496	4.56E-06	0.221	**Fam53b**	family with sequence similarity 53, member B
A_52_P265578	7.46E-08	0.221	**Vmo1**	vitelline membrane outer layer 1 homolog (chicken)
A_51_P249930	4.11E-05	0.221	**Tceal1**	transcription elongation factor A (SII)-like 1
A_55_P2031871	1.07E-07	0.221	**Plekhh3**	pleckstrin homology domain containing, family H (with MyTH4 domain) member 3
A_51_P163173	2.81E-06	0.221	**Rbm12b**	RNA binding motif protein 12B
A_51_P185906	4.96E-07	0.221	**Abi3**	ABI gene family, member 3
A_30_P01024470	2.40E-06	0.221		
A_51_P121275	1.74E-07	0.222	**Cenpo**	centromere protein O
A_51_P130475	0.000214917	0.222	**Wnt4**	wingless-related MMTV integration site 4
A_55_P1995487	1.20E-05	0.222	**Rfx7**	regulatory factor X, 7
A_51_P108489	1.41E-08	0.222	**Gtl3**	gene trap locus 3
A_55_P2058737	5.09E-05	0.223	**Mex3d**	mex3 homolog D (C. elegans)
A_51_P108489	1.88E-08	0.223	**Gtl3**	gene trap locus 3
A_55_P1966204	2.06E-07	0.223	**Cxcl12**	chemokine (C-X-C motif) ligand 12
A_52_P554536	0.002493661	0.223	**Tnfrsf26**	tumor necrosis factor receptor superfamily, member 26
A_55_P2074924	2.19E-07	0.223	**Ppp1r13l**	protein phosphatase 1, regulatory (inhibitor) subunit 13 like
A_51_P257675	1.36E-05	0.223	**Tspyl4**	TSPY-like 4
A_55_P2263971	1.43E-07	0.223	**6330526H18Rik**	RIKEN cDNA 6330526H18 gene
A_55_P2024993	4.39E-07	0.223	**Hoxb4**	homeobox B4
A_51_P121275	6.10E-08	0.223	**Cenpo**	centromere protein O
A_55_P2084706	0.000852158	0.223	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_30_P01025096	2.78E-05	0.223		
A_55_P1988728	4.27E-07	0.223	**Fbxl19**	F-box and leucine-rich repeat protein 19
A_55_P1990127	2.55E-07	0.223	**Dolpp1**	dolichyl pyrophosphate phosphatase 1
A_51_P108489	3.09E-08	0.223	**Gtl3**	gene trap locus 3
A_55_P2151822	7.21E-07	0.224	**Plxnd1**	plexin D1
A_51_P122649	1.20E-05	0.224	**Degs2**	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase
A_55_P2127303	8.02E-08	0.224	**Spsb2**	splA/ryanodine receptor domain and SOCS box containing 2
A_55_P2157048	1.25E-05	0.224	**Mllt3**	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3
A_55_P2043627	0.000230048	0.224	**Fam89a**	family with sequence similarity 89, member A
A_30_P01023532	1.19E-05	0.224		
A_51_P169047	6.09E-08	0.224	**Tdp2**	tyrosyl-DNA phosphodiesterase 2
A_55_P2110497	1.33E-06	0.224	**Ddc**	dopa decarboxylase
A_51_P396917	2.45E-07	0.224	**Zfyve21**	zinc finger, FYVE domain containing 21
A_55_P1966109	1.86E-08	0.224	**Epn2**	epsin 2
A_66_P134149	1.60E-06	0.224	**Snx30**	sorting nexin family member 30
A_51_P106859	7.43E-09	0.225	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_52_P358093	5.31E-06	0.225	**Fbxo10**	F-box protein 10
A_55_P2121392	0.001650116	0.225	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_51_P106859	4.37E-09	0.225	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_52_P281711	1.46E-06	0.225	**Wdr5b**	WD repeat domain 5B
A_51_P121275	4.09E-09	0.225	**Cenpo**	centromere protein O
A_55_P2255449	0.000180861	0.225	**AI663975**	expressed sequence AI663975
A_55_P2131173	7.83E-06	0.225	**Sphk2**	sphingosine kinase 2
A_55_P2009187	6.05E-07	0.225	**Iffo1**	intermediate filament family orphan 1
A_55_P2111855	0.000199983	0.225	**Gale**	galactose-4-epimerase, UDP
A_52_P156190	1.69E-08	0.226	**Ednra**	endothelin receptor type A
A_55_P2058270	0.000227374	0.226	**Gm6507**	predicted gene 6507
A_55_P2252105	0.00035851	0.226	**4921530L18Rik**	RIKEN cDNA 4921530L18 gene
A_51_P488991	7.65E-08	0.226	**Oaf**	OAF homolog (Drosophila)
A_51_P145415	1.00E-06	0.226	**Lpcat3**	lysophosphatidylcholine acyltransferase 3

A_55_P2146520	3.58E-07	0.226	**Carns1**	carnosine synthase 1
A_30_P01021723	0.000663114	0.227		
A_51_P331207	9.36E-07	0.227	**Tmem218**	transmembrane protein 218
A_51_P436342	1.17E-05	0.227	**Hoxb5**	homeobox B5
A_55_P2186480	4.82E-10	0.227	**LOC100038746**	hypothetical LOC100038746
A_30_P01024211	3.90E-07	0.227		
A_51_P355943	0.000206941	0.227	**Mvd**	mevalonate (diphospho) decarboxylase
A_55_P2115875	3.22E-05	0.227	**1700012D14Rik**	RIKEN cDNA 1700012D14 gene
A_51_P399071	1.65E-07	0.227	**Anp32a**	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
A_51_P410949	8.79E-08	0.228	**Polr3g**	polymerase (RNA) III (DNA directed) polypeptide G
A_30_P01026923	3.29E-05	0.228		
A_51_P108489	5.48E-09	0.228	**Gtl3**	gene trap locus 3
A_52_P272119	1.39E-05	0.228	**Rab42-ps**	RAB42, member RAS oncogene family, pseudogene
A_30_P01026306	0.000369402	0.228		
A_52_P504268	0.000107608	0.228	**B3galnt1**	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 1
A_30_P01022030	0.000195712	0.228		
A_52_P408530	1.32E-08	0.228	**St3gal2**	ST3 beta-galactoside alpha-2,3-sialyltransferase 2
A_52_P657800	9.09E-06	0.229	**Cep152**	centrosomal protein 152
A_55_P2302577	4.52E-06	0.229	**AI426330**	expressed sequence AI426330
A_55_P2019058	0.000865345	0.229	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_51_P450296	2.10E-08	0.229	**Thap3**	THAP domain containing, apoptosis associated protein 3
A_55_P2067563	9.30E-05	0.229		
A_30_P01019643	1.25E-06	0.229		
A_55_P2043434	2.53E-07	0.230	**Atmin**	ATM interactor
A_51_P106859	1.66E-08	0.230	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_55_P2056055	3.81E-07	0.230	**Zfp114**	zinc finger protein 114
A_51_P121275	1.63E-07	0.230	**Cenpo**	centromere protein O
A_55_P2295691	1.78E-06	0.230	**9430083A17Rik**	RIKEN cDNA 9430083A17 gene
A_52_P65077	1.08E-07	0.230	**Zfp820**	zinc finger protein 820
A_51_P279552	2.02E-07	0.231	**Cav2**	caveolin 2
A_55_P2053032	6.68E-07	0.231	**Xkr8**	X Kell blood group precursor related family member 8 homolog
A_52_P601021	5.75E-08	0.231	**C1qtnf2**	C1q and tumor necrosis factor related protein 2
A_55_P2060672	0.000173527	0.231	**Hoxa3**	homeobox A3
A_51_P121275	1.18E-08	0.231	**Cenpo**	centromere protein O
A_51_P106859	9.02E-10	0.232	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_51_P377390	2.33E-09	0.232	**Ndst2**	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2
A_51_P279552	9.14E-07	0.232	**Cav2**	caveolin 2
A_51_P106859	1.12E-08	0.232	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_51_P121275	3.62E-08	0.232	**Cenpo**	centromere protein O
A_55_P2118891	2.52E-07	0.232	**Zfp882**	zinc finger protein 882
A_52_P342131	7.91E-05	0.232	**Zfp532**	zinc finger protein 532
A_51_P106859	5.22E-09	0.232	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_51_P208697	4.19E-07	0.232	**Ttl**	tubulin tyrosine ligase
A_52_P283524	1.68E-07	0.232	**Rcan3**	regulator of calcineurin 3
A_55_P1998154	0.000339792	0.232	**Rab23**	RAB23, member RAS oncogene family
A_52_P24690	0.000527069	0.232		
A_51_P462556	4.11E-07	0.232		
A_55_P2015232	7.42E-09	0.233		
A_55_P2071191	0.001412757	0.233	**Prss8**	protease, serine, 8 (prostasin)
A_51_P205326	2.56E-06	0.233	**Fam198a**	family with sequence similarity 198, member A
A_51_P280437	1.89E-06	0.233	**Slc12a6**	solute carrier family 12, member 6
A_51_P110341	0.000630075	0.233	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P2054362	0.000102544	0.233		
A_52_P409457	5.23E-05	0.233	**Ppcdc**	phosphopantothenoylcysteine decarboxylase
A_55_P2067895	3.43E-08	0.233	**Krba1**	KRAB-A domain containing 1
A_55_P2151056	2.10E-07	0.234	**Rarg**	retinoic acid receptor, gamma
A_55_P2096973	1.50E-05	0.234	**Glyctk**	glycerate kinase
A_55_P1953103	3.00E-05	0.234	**Nudt7**	nudix (nucleoside diphosphate linked moiety X)-type motif 7
A_52_P94521	3.39E-08	0.234	**2510009E07Rik**	RIKEN cDNA 2510009E07 gene
A_55_P2333580	3.97E-06	0.234	**BC020402**	cDNA sequence BC020402
A_51_P394558	1.19E-06	0.234	**Dchs1**	dachsous 1 (Drosophila)
A_55_P1981709	1.01E-05	0.234	**Rreb1**	ras responsive element binding protein 1
A_55_P2205650	1.24E-09	0.234	**2610507I01Rik**	RIKEN cDNA 2610507I01 gene
A_52_P28651	2.64E-06	0.234	**Pvrl1**	poliovirus receptor-related 1
A_51_P106859	5.19E-08	0.235	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_30_P01023457	0.000629514	0.235		
A_30_P01024363	1.97E-05	0.235		
A_52_P522372	3.32E-08	0.235	**Aard**	alanine and arginine rich domain containing protein
A_52_P393314	3.47E-06	0.235	**P2rx7**	purinergic receptor P2X, ligand-gated ion channel, 7
A_51_P168395	5.41E-07	0.236	**Ttc30a1**	tetratricopeptide repeat domain 30A1
A_55_P2207055	8.38E-07	0.236	**Btnl9**	butyrophilin-like 9
A_51_P155723	4.09E-06	0.236	**Abcg3**	ATP-binding cassette, sub-family G (WHITE), member 3
A_51_P106859	1.44E-10	0.236	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_51_P499530	4.94E-09	0.236	**Ankrd10**	ankyrin repeat domain 10
A_51_P207706	0.000401959	0.236	**Fam180a**	family with sequence similarity 180, member A
A_51_P104430	0.000196748	0.236	**Magee1**	melanoma antigen, family E, 1
A_51_P175699	2.54E-07	0.236	**Mtfp1**	mitochondrial fission process 1
A_55_P2303868	0.00016922	0.236	**5033421B08Rik**	RIKEN cDNA 5033421B08 gene
A_51_P121275	6.15E-08	0.236	**Cenpo**	centromere protein O
A_30_P01026941	6.34E-07	0.236		
A_55_P2094706	3.76E-08	0.236	**Sox17**	SRY-box containing gene 17
A_51_P279552	1.81E-07	0.237	**Cav2**	caveolin 2
A_30_P01027029	1.71E-06	0.237		
A_55_P2017302	6.11E-07	0.237	**Gnb1l**	guanine nucleotide binding protein (G protein), beta polypeptide 1-like
A_30_P01020004	0.000145518	0.237		
A_30_P01029055	2.10E-08	0.237		
A_51_P100776	0.000250416	0.237	**Zfp169**	zinc finger protein 169
A_52_P534235	1.25E-05	0.237	**Srms**	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites
A_55_P1958532	0.000950467	0.237	**Hr**	hairless
A_30_P01023824	7.32E-05	0.237		
A_55_P2018666	0.001865795	0.237	**Thrsp**	thyroid hormone responsive SPOT14 homolog (Rattus)
A_55_P2088440	3.76E-06	0.237	**Arrdc2**	arrestin domain containing 2
A_55_P2169059	1.02E-08	0.237	**Strada**	STE20-related kinase adaptor alpha
A_55_P1956812	1.70E-07	0.237	**Fam83g**	family with sequence similarity 83, member G
A_51_P447287	7.23E-05	0.237	**Fkbp14**	FK506 binding protein 14
A_55_P1981836	2.25E-06	0.238	**BC020535**	cDNA sequence BC020535
A_52_P127682	1.42E-06	0.238	**Dagla**	diacylglycerol lipase, alpha
A_52_P684642	9.86E-07	0.238	**Ankmy2**	ankyrin repeat and MYND domain containing 2
A_52_P108845	7.32E-05	0.238	**Clip3**	CAP-GLY domain containing linker protein 3
A_30_P01017502	0.00028103	0.238		

A_51_P104430	7.29E-07	0.238	**Magee1**	melanoma antigen, family E, 1
A_51_P463860	3.10E-06	0.238	**Fam161b**	family with sequence similarity 161, member B
A_52_P670812	2.03E-07	0.239	**Snord123**	small nucleolar RNA, C/D box 123
A_51_P507509	5.07E-08	0.239	**Gimap1**	GTPase, IMAP family member 1
A_55_P1997335	2.25E-07	0.239	**1300018I17Rik**	RIKEN cDNA 1300018I17 gene
A_55_P2001970	1.50E-07	0.239	**6330408A02Rik**	RIKEN cDNA 6330408A02 gene
A_30_P01017718	3.37E-05	0.239		
A_55_P2180744	0.002122293	0.239	**Clstn3**	calsyntenin 3
A_55_P2017982	8.19E-06	0.239	**Pde8b**	phosphodiesterase 8B
A_51_P106859	4.25E-08	0.239	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_51_P224983	8.50E-08	0.239	**Cln8**	ceroid-lipofuscinosis, neuronal 8
A_55_P2167112	3.97E-07	0.239	**Kank2**	KN motif and ankyrin repeat domains 2
A_55_P2091631	3.19E-10	0.239	**Chchd8**	coiled-coil-helix-coiled-coil-helix domain containing 8
A_30_P01030265	2.14E-05	0.239		
A_55_P1966114	2.90E-09	0.240	**Epn2**	epsin 2
A_52_P367760	0.000555389	0.241	**Calml4**	calmodulin-like 4
A_51_P511899	2.84E-07	0.241	**Mthfsd**	methenyltetrahydrofolate synthetase domain containing
A_55_P2029051	1.65E-06	0.241	**Fgd3**	FYVE, RhoGEF and PH domain containing 3
A_55_P2070250	0.000731651	0.241		
A_55_P2003236	4.97E-06	0.241		
A_55_P2084002	4.39E-08	0.241	**Aptx**	aprataxin
A_30_P01030677	0.000115499	0.241		
A_55_P1972763	1.18E-05	0.241		
A_51_P316553	2.28E-07	0.241	**Kdr**	kinase insert domain protein receptor
A_51_P404377	0.000121271	0.241	**Rnd2**	Rho family GTPase 2
A_51_P316553	1.78E-07	0.241	**Kdr**	kinase insert domain protein receptor
A_51_P451516	8.10E-07	0.241	**Arhgef25**	Rho guanine nucleotide exchange factor (GEF) 25
A_30_P01025989	0.000184318	0.242		
A_51_P390377	1.97E-07	0.242	**Rcor3**	REST corepressor 3
A_30_P01024592	0.000417609	0.242		
A_51_P316553	6.16E-07	0.242	**Kdr**	kinase insert domain protein receptor
A_55_P2045812	2.18E-05	0.242	**Sigmar1**	sigma non-opioid intracellular receptor 1
A_51_P515120	4.77E-06	0.242	**Hs3st3a1**	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1
A_55_P2153621	1.06E-07	0.242	**Ahnak**	AHNAK nucleoprotein (desmoyokin)
A_55_P2126805	2.76E-07	0.243	**Wdr81**	WD repeat domain 81
A_52_P219372	5.45E-09	0.243	**Tmem177**	transmembrane protein 177
A_51_P345649	1.20E-06	0.243	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_51_P106859	5.47E-08	0.243	**Lsm10**	U7 snRNP-specific Sm-like protein LSM10
A_55_P2031681	0.000298055	0.243		
A_55_P2093163	8.81E-05	0.243	**Zfp161**	zinc finger protein 161
A_51_P121275	2.85E-09	0.243	**Cenpo**	centromere protein O
A_30_P01030228	2.70E-06	0.243		
A_55_P2177712	2.80E-07	0.243		
A_55_P2239317	1.59E-07	0.243	**Afap1l1**	actin filament associated protein 1-like 1
A_51_P336599	6.02E-08	0.244	**Kcne3**	potassium voltage-gated channel, Isk-related subfamily, gene 3
A_30_P01027948	2.98E-05	0.244		
A_30_P01025045	3.62E-06	0.244		
A_52_P244803	0.000361129	0.244	**D630033O11Rik**	RIKEN cDNA D630033O11 gene
A_55_P1956918	3.48E-06	0.245	**Adamts5**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase
A_30_P01030378	9.49E-07	0.245		
A_51_P410451	3.58E-06	0.245	**Tube1**	epsilon-tubulin 1
A_52_P77204	1.20E-06	0.245	**Lrrc20**	leucine rich repeat containing 20
A_55_P2182810	6.73E-07	0.245	**Arl16**	ADP-ribosylation factor-like 16
A_51_P486068	3.07E-06	0.245	**Zfp280b**	zinc finger protein 280B
A_55_P2401971	0.000313666	0.245	**AU015680**	expressed sequence AU015680
A_51_P501312	8.43E-09	0.245	**Gm16515**	predicted gene, Gm16515
A_55_P2179378	4.02E-09	0.246	**Zfp192**	zinc finger protein 192
A_55_P2004268	0.000277665	0.246	**Hic1**	hypermethylated in cancer 1
A_51_P316553	6.44E-08	0.246	**Kdr**	kinase insert domain protein receptor
A_55_P2091116	7.29E-05	0.246	**Kbtbd12**	kelch repeat and BTB (POZ) domain containing 12
A_55_P1997509	1.88E-05	0.246	**Zbtb32**	zinc finger and BTB domain containing 32
A_55_P2045711	0.00049379	0.246		
A_51_P104430	0.000163282	0.246	**Magee1**	melanoma antigen, family E, 1
A_30_P01032656	0.003340834	0.246		
A_55_P2131899	1.82E-06	0.246	**Sox4**	SRY-box containing gene 4
A_55_P2124956	3.00E-08	0.246	**Zfp444**	zinc finger protein 444
A_51_P293938	7.69E-05	0.246	**Rasl11b**	RAS-like, family 11, member B
A_51_P316553	5.46E-07	0.246	**Kdr**	kinase insert domain protein receptor
A_51_P316553	1.09E-07	0.247	**Kdr**	kinase insert domain protein receptor
A_51_P316553	6.11E-07	0.247	**Kdr**	kinase insert domain protein receptor
A_51_P121275	9.20E-08	0.247	**Cenpo**	centromere protein O
A_55_P2213348	0.000665902	0.247	**5330421C15Rik**	RIKEN cDNA 5330421C15 gene
A_30_P01030180	0.002129791	0.247		
A_51_P221651	2.98E-05	0.247	**Adck3**	aarF domain containing kinase 3
A_51_P147274	4.25E-05	0.247	**Clec4a3**	C-type lectin domain family 4, member a3
A_55_P2139905	4.21E-09	0.247	**2310057J16Rik**	RIKEN cDNA 2310057J16 gene
A_51_P109369	3.05E-05	0.247	**Fbxo32**	F-box protein 32
A_30_P01020443	0.000195317	0.247		
A_55_P2024555	8.33E-07	0.247	**Ppap2a**	phosphatidic acid phosphatase type 2A
A_55_P2099192	2.28E-06	0.247		
A_51_P245789	5.45E-05	0.247	**Pcolce2**	procollagen C-endopeptidase enhancer 2
A_66_P122158	2.25E-08	0.248	**Pisd-ps3**	phosphatidylserine decarboxylase, pseudogene 3
A_51_P175758	5.64E-07	0.248	**9430023L20Rik**	RIKEN cDNA 9430023L20 gene
A_51_P246471	2.74E-07	0.248	**Pbx2**	pre B-cell leukemia transcription factor 2
A_55_P2130535	1.19E-06	0.248	**Dnmt3b**	DNA methyltransferase 3B
A_66_P132832	1.22E-06	0.248	**Gcom1**	GRINL1A complex locus
A_55_P2171802	2.41E-05	0.248	**Zfp786**	zinc finger protein 786
A_55_P2126745	9.42E-05	0.248	**Gm10037**	predicted gene 10037
A_55_P2000543	0.000609713	0.248	**Cd209f**	CD209f antigen
A_51_P323521	1.59E-05	0.248	**Snx21**	sorting nexin family member 21
A_51_P431967	0.001549042	0.249	**Gfod1**	glucose-fructose oxidoreductase domain containing 1
A_51_P290207	2.10E-05	0.249	**Insig1**	insulin induced gene 1
A_55_P2008874	4.48E-06	0.249	**Dnmt3b**	DNA methyltransferase 3B
A_51_P146970	0.000274913	0.249	**Dmrt2**	doublesex and mab-3 related transcription factor 2
A_55_P2171081	6.37E-06	0.249	**Sec22c**	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)
A_51_P257419	3.14E-09	0.249	**Lhx2**	LIM homeobox protein 2
A_55_P2094158	1.03E-05	0.249	**Lhx6**	LIM homeobox protein 6
A_51_P446085	8.80E-05	0.249	**4933403G14Rik**	RIKEN cDNA 4933403G14 gene
A_51_P475995	1.57E-10	0.249	**Thra**	thyroid hormone receptor alpha
A_30_P01027042	9.62E-07	0.250		

A_30_P01029737	0.000164007	0.250		
A_30_P01024090	0.000335421	0.250		
A_55_P2004807	2.81E-06	0.250	**Hexim2**	hexamthylene bis-acetamide inducible 2
A_51_P279552	3.65E-08	0.251	**Cav2**	caveolin 2
A_52_P94401	2.31E-07	0.251	**Rtn4rl1**	reticulon 4 receptor-like 1
A_51_P109369	6.04E-05	0.251	**Fbxo32**	F-box protein 32
A_52_P459276	0.000130598	0.251	**Ift81**	intraflagellar transport 81 homolog (Chlamydomonas)
A_55_P2172036	6.03E-06	0.251	**Trim65**	tripartite motif-containing 65
A_55_P1971759	3.46E-08	0.251	**Zfp688**	zinc finger protein 688
A_55_P1969356	2.25E-06	0.251	**BC020535**	cDNA sequence BC020535
A_55_P2042723	3.38E-05	0.252		
A_51_P279552	3.59E-07	0.252	**Cav2**	caveolin 2
A_55_P2254968	9.79E-05	0.252	**BB212172**	expressed sequence BB212172
A_51_P369516	4.10E-08	0.252	**Nudt16l1**	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1
A_66_P122099	7.58E-07	0.252	**Zc3h8**	zinc finger CCCH type containing 8
A_55_P1956284	3.68E-05	0.252		
A_51_P279552	5.48E-07	0.252	**Cav2**	caveolin 2
A_55_P2172121	3.66E-08	0.253	**Mxd4**	Max dimerization protein 4
A_51_P277718	6.10E-07	0.253	**Cenpc1**	centromere protein C1
A_51_P316553	1.08E-06	0.253	**Kdr**	kinase insert domain protein receptor
A_51_P228295	0.000276769	0.253	**Mpzl1**	myelin protein zero-like 1
A_51_P316553	3.79E-07	0.253	**Kdr**	kinase insert domain protein receptor
A_55_P1984961	4.02E-07	0.253	**AV026068**	expressed sequence AV026068
A_52_P336768	3.18E-08	0.253		
A_30_P01033336	0.000184054	0.254		
A_51_P110341	3.32E-05	0.254	**Scgb3a1**	secretoglobin, family 3A, member 1
A_51_P492410	2.67E-05	0.254	**Pmvk**	phosphomevalonate kinase
A_51_P117794	9.66E-05	0.254	**Bik**	BCL2-interacting killer
A_51_P181891	0.001784325	0.254	**Fam123a**	family with sequence similarity 123, member A
A_51_P277431	6.29E-05	0.254	**Ccdc3**	coiled-coil domain containing 3
A_55_P2054062	8.42E-06	0.254	**Chst2**	carbohydrate sulfotransferase 2
A_55_P2018706	1.08E-07	0.254	**1500031L02Rik**	RIKEN cDNA 1500031L02 gene
A_51_P122649	2.09E-05	0.254	**Degs2**	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase
A_51_P110341	3.93E-05	0.254	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P2067722	1.11E-08	0.254	**2310057J16Rik**	RIKEN cDNA 2310057J16 gene
A_52_P495869	5.69E-05	0.254	**Mafb**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)
A_30_P01023078	1.25E-07	0.255		
A_55_P1989539	0.000214463	0.255	**Cklf**	chemokine-like factor
A_52_P11441	1.08E-05	0.255	**Rab6b**	RAB6B, member RAS oncogene family
A_51_P521176	6.82E-07	0.255	**Rassf7**	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7
A_51_P360918	2.11E-07	0.255	**Ehd3**	EH-domain containing 3
A_51_P158073	3.21E-06	0.255	**A230050P20Rik**	RIKEN cDNA A230050P20 gene
A_30_P01025511	0.000613784	0.255		
A_55_P2117169	4.32E-11	0.255	**Zmym1**	zinc finger, MYM domain containing 1
A_52_P473966	0.000693281	0.255	**Kdelr3**	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3
A_52_P683441	1.95E-08	0.255	**Capn5**	calpain 5
A_51_P324651	1.13E-07	0.255	**Lphn1**	latrophilin 1
A_55_P1964832	1.50E-06	0.255	**Reck**	reversion-inducing-cysteine-rich protein with kazal motifs
A_55_P2076533	2.20E-05	0.256	**Pmvk**	phosphomevalonate kinase
A_51_P404413	9.94E-10	0.256	**Bckdk**	branched chain ketoacid dehydrogenase kinase
A_55_P2028837	0.000374164	0.256	**Tspan2**	tetraspanin 2
A_55_P2121608	1.28E-07	0.256	**Sox4**	SRY-box containing gene 4
A_55_P2031466	1.29E-05	0.256	**Lrrc32**	leucine rich repeat containing 32
A_55_P2233271	3.19E-07	0.256	**Zfp626**	zinc finger protein 626
A_55_P2052145	0.000455666	0.256	**Ly6g6d**	lymphocyte antigen 6 complex, locus G6D
A_55_P2197638	1.29E-05	0.256	**1110046J04Rik**	RIKEN cDNA 1110046J04 gene
A_30_P01020552	4.29E-05	0.256		
A_30_P01026974	0.0006428	0.256		
A_51_P316553	5.13E-07	0.257	**Kdr**	kinase insert domain protein receptor
A_52_P591166	8.08E-08	0.257	**Dpysl2**	dihydropyrimidinase-like 2
A_55_P2170109	1.15E-09	0.257	**Bivm**	basic, immunoglobulin-like variable motif containing
A_52_P305053	3.38E-05	0.257	**B330016D10Rik**	RIKEN cDNA B330016D10 gene
A_30_P01033383	2.93E-05	0.257		
A_55_P2021826	3.90E-05	0.257	**Zbtb4**	zinc finger and BTB domain containing 4
A_30_P01028063	4.15E-06	0.257		
A_51_P338728	3.03E-08	0.258	**Sdhaf1**	succinate dehydrogenase complex assembly factor 1
A_51_P437478	1.11E-07	0.258	**Zfp566**	zinc finger protein 566
A_51_P445912	5.52E-06	0.258	**2310047K21Rik**	RIKEN cDNA 2310047K21 gene
A_55_P1954302	1.28E-06	0.258	**Esrrb**	estrogen related receptor, beta
A_55_P2324976	1.56E-06	0.258	**5033406O09Rik**	RIKEN cDNA 5033406O09 gene
A_51_P121275	1.48E-07	0.258	**Cenpo**	centromere protein O
A_51_P132170	1.15E-06	0.258	**Ccdc141**	coiled-coil domain containing 141
A_51_P208931	6.73E-08	0.259	**N4bp3**	NEDD4 binding protein 3
A_55_P2022748	4.49E-05	0.259	**Odz3**	odd Oz/ten-m homolog 3 (Drosophila)
A_52_P208613	6.80E-08	0.259	**Fancb**	Fanconi anemia, complementation group B
A_55_P1988273	4.87E-05	0.259	**Rnf103**	ring finger protein 103
A_55_P1980421	1.41E-07	0.259	**Wdr81**	WD repeat domain 81
A_30_P01020057	9.61E-05	0.259		
A_51_P137111	3.73E-06	0.259	**Chek2**	CHK2 checkpoint homolog (S. pombe)
A_66_P134785	7.89E-09	0.259	**2610044O15Rik**	RIKEN cDNA 2610044O15 gene
A_51_P169880	2.37E-05	0.259	**Zbtb3**	zinc finger and BTB domain containing 3
A_55_P1982593	9.83E-07	0.260	**Rad51l3**	RAD51-like 3 (S. cerevisiae)
A_55_P2173623	2.72E-06	0.260	**Samd1**	sterile alpha motif domain containing 1
A_52_P384314	1.17E-08	0.260	**1110012D08Rik**	RIKEN cDNA 1110012D08 gene
A_55_P2151006	4.00E-09	0.260	**C1qtnf7**	C1q and tumor necrosis factor related protein 7
A_51_P405089	0.001919676	0.260	**Lpcat1**	lysophosphatidylcholine acyltransferase 1
A_55_P2168692	4.97E-07	0.260	**Azi1**	5-azacytidine induced gene 1
A_55_P2230484	1.18E-05	0.260	**5033403F01Rik**	RIKEN cDNA 5033403F01 gene
A_55_P1990086	1.29E-07	0.260	**Mks1**	Meckel syndrome, type 1
A_55_P2010076	9.46E-06	0.261	**Fam73b**	family with sequence similarity 73, member B
A_55_P2011116	1.89E-06	0.261	**L3mbtl3**	l(3)mbt-like 3 (Drosophila)
A_55_P2232325	0.001226752	0.261		
A_51_P191354	6.46E-06	0.261	**Acot6**	acyl-CoA thioesterase 6
A_51_P189272	1.11E-08	0.261	**Tmcc3**	transmembrane and coiled coil domains 3
A_51_P345649	6.79E-07	0.261	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_52_P172014	6.73E-05	0.261	**Ramp1**	receptor (calcitonin) activity modifying protein 1
A_66_P139159	1.03E-05	0.261	**Hras1**	Harvey rat sarcoma virus oncogene 1
A_55_P2175405	2.07E-06	0.261	**Zfp467**	zinc finger protein 467
A_55_P2076288	1.36E-07	0.262	**Zfp661**	zinc finger protein 661
A_51_P337662	3.31E-08	0.262	**Ddx26b**	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B

A_52_P357402	6.80E-11	0.262	**Mlst8**	MTOR associated protein, LST8 homolog (S. cerevisiae)
A_55_P1961993	2.38E-06	0.262		
A_55_P2051120	0.000153296	0.262	**4430402I18Rik**	RIKEN cDNA 4430402I18 gene
A_51_P279552	1.25E-08	0.262	**Cav2**	caveolin 2
A_52_P429876	4.32E-07	0.262	**Tbx20**	T-box 20
A_52_P476877	6.80E-07	0.262	**Rfx4**	regulatory factor X, 4 (influences HLA class II expression)
A_51_P502614	3.23E-07	0.262	**Dusp6**	dual specificity phosphatase 6
A_51_P151371	1.77E-08	0.262	**Zfp444**	zinc finger protein 444
A_51_P362538	1.15E-05	0.263	**Syde2**	synapse defective 1, Rho GTPase, homolog 2 (C. elegans)
A_52_P434841	5.48E-08	0.263	**Chchd8**	coiled-coil-helix-coiled-coil-helix domain containing 8
A_51_P374991	2.86E-05	0.263	**Vmn2r29**	vomeronasal 2, receptor 29
A_30_P01032736	1.59E-07	0.263		
A_55_P2090025	1.53E-05	0.263	**Mest**	mesoderm specific transcript
A_51_P497768	3.32E-08	0.263	**Gpat2**	glycerol-3-phosphate acyltransferase 2, mitochondrial
A_66_P125226	1.51E-06	0.263		
A_55_P2169019	1.98E-06	0.263	**Zfp879**	zinc figer protein 879
A_55_P2269394	4.79E-07	0.264	**BB116930**	expressed sequence BB116930
A_55_P2279498	0.000421592	0.264	**4933438K21Rik**	RIKEN cDNA 4933438K21 gene
A_52_P539161	0.000116079	0.264	**Rdh11**	retinol dehydrogenase 11
A_55_P2068066	3.05E-05	0.264	**Rapgefl1**	Rap guanine nucleotide exchange factor (GEF)-like 1
A_55_P2017075	7.06E-06	0.264	**Zfp54**	zinc finger protein 54
A_51_P440865	2.63E-06	0.264	**Fam110b**	family with sequence similarity 110, member B
A_55_P2306794	0.000254739	0.264	**9030417H13Rik**	RIKEN cDNA 9030417H13 gene
A_30_P01018803	4.63E-06	0.264		
A_55_P2088014	4.56E-08	0.264	**Cdc42ep4**	CDC42 effector protein (Rho GTPase binding) 4
A_55_P2139587	0.001949841	0.265		
A_55_P2018191	3.96E-06	0.265	**BC020535**	cDNA sequence BC020535
A_51_P284426	0.000474883	0.265	**Cstad**	CSA-conditional, T cell activation-dependent protein
A_51_P234788	4.12E-08	0.265	**Cxxc5**	CXXC finger 5
A_55_P1975852	5.06E-06	0.265	**Zfp873**	zinc finger protein 873
A_51_P489903	2.62E-10	0.265	**Ogg1**	8-oxoguanine DNA-glycosylase 1
A_55_P1968878	1.35E-05	0.265	**Rhpn2**	rhophilin, Rho GTPase binding protein 2
A_55_P2077522	8.11E-05	0.265		
A_55_P2173188	1.15E-06	0.266	**Kank3**	KN motif and ankyrin repeat domains 3
A_30_P01020007	0.000108873	0.266		
A_51_P143682	7.26E-08	0.266	**Zfp318**	zinc finger protein 318
A_55_P2052425	3.33E-06	0.266	**Setd4**	SET domain containing 4
A_66_P119191	2.78E-08	0.266	**Inpp5e**	inositol polyphosphate-5-phosphatase E
A_55_P2131672	0.000754596	0.266	**Mical2**	microtubule associated monoxygenase, calponin and LIM domain containing 2
A_55_P1991104	5.63E-07	0.267		
A_55_P1976744	7.13E-08	0.267		
A_51_P279552	1.17E-06	0.267	**Cav2**	caveolin 2
A_55_P1977478	6.82E-09	0.267	**Zfp629**	zinc finger protein 629
A_55_P2060592	0.000111415	0.267	**Hoxa1**	homeobox A1
A_55_P2346654	4.86E-05	0.267	**AU035318**	EST AU035318
A_55_P2049005	1.36E-08	0.267	**Apoa5**	apolipoprotein A-V
A_30_P01026962	2.56E-06	0.268		
A_52_P357611	0.000319517	0.268	**Neu3**	neuraminidase 3
A_52_P303841	1.23E-05	0.268	**Gm5296**	predicted gene 5296
A_55_P1993263	4.76E-06	0.268	**Chic1**	cysteine-rich hydrophobic domain 1
A_55_P2228918	2.13E-06	0.268	**Rslcan18**	regulator of sex-limitation candidate 18
A_55_P2171086	0.001023331	0.268	**Prcp**	prolylcarboxypeptidase (angiotensinase C)
A_55_P2101336	1.30E-06	0.268	**Ramp2**	receptor (calcitonin) activity modifying protein 2
A_55_P2165334	1.25E-08	0.268	**Nde1**	nuclear distribution gene E homolog 1 (A nidulans)
A_51_P311905	9.33E-07	0.268	**2610002I17Rik**	RIKEN cDNA 2610002I17
A_55_P1971054	5.90E-07	0.269	**Paqr9**	progestin and adipoQ receptor family member IX
A_51_P328089	7.11E-09	0.269	**Crb3**	crumbs homolog 3 (Drosophila)
A_51_P115715	8.55E-05	0.269	**Asb2**	ankyrin repeat and SOCS box-containing 2
A_55_P2103284	1.63E-07	0.269	**Twf2**	twinfilin, actin-binding protein, homolog 2 (Drosophila)
A_55_P2143095	5.86E-06	0.269		
A_52_P495372	3.20E-08	0.269	**Peo1**	progressive external ophthalmoplegia 1 (human)
A_55_P2065537	1.84E-08	0.270		
A_55_P2104363	0.000799077	0.270	**Cysltr1**	cysteinyl leukotriene receptor 1
A_55_P2233462	6.35E-06	0.270	**2700022O18Rik**	RIKEN cDNA 2700022O18 gene
A_55_P1980854	3.18E-08	0.270	**Ankrd24**	ankyrin repeat domain 24
A_55_P2220937	3.68E-06	0.270	**Otud1**	OTU domain containing 1
A_52_P409769	6.38E-07	0.270	**Mrvi1**	MRV integration site 1
A_52_P614472	2.52E-05	0.270	**Rpusd1**	RNA pseudouridylate synthase domain containing 1
A_51_P279552	2.26E-06	0.270	**Cav2**	caveolin 2
A_55_P2284560	3.65E-05	0.271		
A_55_P2021729	1.66E-06	0.271	**Gm7467**	predicted gene 7467
A_52_P198898	3.19E-06	0.271	**Samd5**	sterile alpha motif domain containing 5
A_55_P2139256	1.25E-06	0.271	**Rps6ka1**	ribosomal protein S6 kinase polypeptide 1
A_55_P1973402	1.16E-09	0.271	**Tada2a**	transcriptional adaptor 2A
A_51_P143190	1.34E-06	0.271	**Lyl1**	lymphoblastomic leukemia 1
A_52_P408025	3.28E-06	0.271	**Mpped2**	metallophosphoesterase domain containing 2
A_55_P2032147	0.000202195	0.271	**Wnt9a**	wingless-type MMTV integration site 9A
A_55_P2069012	9.09E-08	0.272	**Lrdd**	leucine-rich and death domain containing
A_55_P1992720	6.40E-06	0.272		
A_52_P262338	0.000314453	0.272	**4931406H21Rik**	RIKEN cDNA 4931406H21 gene
A_30_P01023671	9.76E-05	0.272		
A_51_P285271	1.74E-08	0.272	**Ccdc61**	coiled-coil domain containing 61
A_30_P01026339	0.001088503	0.273		
A_51_P396297	1.43E-06	0.273	**Hsdl1**	hydroxysteroid dehydrogenase like 1
A_66_P109395	0.000402714	0.273	**Rpia**	ribose 5-phosphate isomerase A
A_55_P2000853	1.69E-06	0.273	**Fam125b**	family with sequence similarity 125, member B
A_52_P93066	2.99E-08	0.273	**Klhdc5**	kelch domain containing 5
A_51_P102257	0.002145717	0.273		
A_51_P335770	6.35E-06	0.273	**Afap1**	actin filament associated protein 1
A_55_P2113071	1.23E-07	0.273	**Eif2c4**	eukaryotic translation initiation factor 2C, 4
A_51_P433769	0.000156883	0.273	**Sgtb**	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta
A_30_P01028429	2.03E-05	0.273		
A_51_P176042	0.000142942	0.273	**Pklr**	pyruvate kinase liver and red blood cell
A_30_P01029468	3.07E-06	0.274		
A_30_P01033517	3.47E-05	0.274		
A_55_P2068862	5.71E-08	0.274	**Pigv**	phosphatidylinositol glycan anchor biosynthesis, class V
A_51_P104430	0.000719426	0.274	**Magee1**	melanoma antigen, family E, 1
A_55_P1978825	1.38E-05	0.274		
A_51_P417279	8.42E-06	0.275	**0610012G03Rik**	RIKEN cDNA 0610012G03 gene
A_52_P450835	1.29E-08	0.275	**2210021J22Rik**	RIKEN cDNA 2210021J22 gene

A_51_P195215	5.04E-07	0.275	**Fam149a**	family with sequence similarity 149, member A
A_52_P429774	0.000455036	0.275	**Cnst**	consortin, connexin sorting protein
A_51_P345649	6.94E-08	0.275	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P2007470	5.31E-05	0.276	**Pdgfa**	platelet derived growth factor, alpha
A_66_P107680	6.78E-09	0.276	**Med8**	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)
A_55_P2083794	6.51E-05	0.276	**Tmem159**	transmembrane protein 159
A_55_P2214487	1.21E-05	0.276	**E330013P08Rik**	RIKEN cDNA E330013P08 gene
A_55_P2023419	1.64E-07	0.276		
A_55_P2133993	1.18E-07	0.276		
A_51_P465582	1.91E-06	0.276	**Hdhd3**	haloacid dehalogenase-like hydrolase domain containing 3
A_52_P428521	0.001309397	0.276	**Fgd1**	FYVE, RhoGEF and PH domain containing 1
A_55_P1967231	3.48E-05	0.276	**Stbd1**	starch binding domain 1
A_30_P01023459	0.000269477	0.276		
A_55_P2081780	6.04E-07	0.276	**Asb7**	ankyrin repeat and SOCS box-containing 7
A_55_P2050365	3.35E-06	0.277		
A_51_P416822	9.49E-09	0.277	**Hhip**	Hedgehog-interacting protein
A_30_P01029157	0.000315159	0.277		
A_66_P127224	6.04E-07	0.277	**Krt10**	keratin 10
A_52_P354202	4.93E-05	0.277	**Eri2**	exoribonuclease 2
A_55_P2099594	0.001135996	0.277	**Scd3**	stearoyl-coenzyme A desaturase 3
A_51_P325501	2.75E-05	0.277	**Crip3**	cysteine-rich protein 3
A_30_P01022795	2.12E-08	0.277		
A_30_P01020075	1.67E-07	0.277		
A_30_P01022187	7.15E-06	0.278		
A_55_P2293351	1.46E-06	0.278	**Gm14462**	predicted gene 14462
A_55_P2175356	7.82E-06	0.278	**Uros**	uroporphyrinogen III synthase
A_51_P345649	3.29E-07	0.278	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_30_P01026062	1.07E-06	0.278		
A_55_P1985514	9.11E-07	0.278	**Dlg3**	discs, large homolog 3 (Drosophila)
A_51_P283649	5.29E-08	0.278	**AA881470**	EST AA881470
A_51_P245989	3.46E-05	0.278	**Ccr2**	chemokine (C-C motif) receptor 2
A_52_P382149	1.38E-05	0.278	**Cyp26a1**	cytochrome P450, family 26, subfamily a, polypeptide 1
A_55_P2145376	1.38E-07	0.278		
A_55_P2125200	0.000137009	0.278	**Gm9897**	predicted gene 9897
A_30_P01021636	0.000400196	0.279		
A_51_P433615	5.74E-06	0.279	**Klhl6**	kelch-like 6 (Drosophila)
A_51_P407690	1.00E-10	0.279	**3110056O03Rik**	RIKEN cDNA 3110056O03 gene
A_51_P109050	1.85E-08	0.279	**Paqr4**	progestin and adipoQ receptor family member IV
A_55_P2024675	6.03E-06	0.279	**Fam35a**	family with sequence similarity 35, member A
A_55_P2372902	9.56E-08	0.280	**LOC100504423**	hypothetical protein LOC100504423
A_55_P1978201	5.19E-07	0.280	**Incenp**	inner centromere protein
A_30_P01029071	8.94E-08	0.280		
A_30_P01029517	0.001490067	0.280		
A_55_P2091551	5.50E-05	0.281	**Arhgap9**	Rho GTPase activating protein 9
A_51_P155977	5.94E-05	0.281	**Clec14a**	C-type lectin domain family 14, member a
A_30_P01032483	4.69E-05	0.281		
A_55_P2349148	1.03E-06	0.281	**5830408B19Rik**	RIKEN cDNA 5830408B19 gene
A_66_P124732	2.53E-06	0.281	**Zfp606**	zinc finger protein 606
A_51_P224099	5.70E-06	0.281	**Cntrob**	centrobin, centrosomal BRCA2 interacting protein
A_55_P2125588	3.75E-05	0.281	**Pdgfa**	platelet derived growth factor, alpha
A_55_P2109717	0.002103491	0.281	**Kif20b**	kinesin family member 20B
A_52_P229997	2.80E-07	0.281	**Cbx8**	chromobox homolog 8 (Drosophila Pc class)
A_55_P2160296	0.000183598	0.281	**Olfm1**	olfactomedin 1
A_55_P2064351	4.54E-08	0.281	**Vipr1**	vasoactive intestinal peptide receptor 1
A_55_P2394968	2.47E-05	0.282	**C530030K21Rik**	RIKEN cDNA C530030K21 gene
A_55_P2038582	6.65E-07	0.282	**Zfp2**	zinc finger protein 2
A_51_P264825	0.000321183	0.282	**Lag3**	lymphocyte-activation gene 3
A_51_P317317	6.40E-08	0.282	**Pddc1**	Parkinson disease 7 domain containing 1
A_55_P2086153	3.89E-09	0.282	**Bcdin3d**	BCDIN3 domain containing
A_30_P01020583	8.54E-08	0.282		
A_55_P2094084	1.07E-06	0.282	**Zfp318**	zinc finger protein 318
A_30_P01018425	7.67E-05	0.282		
A_52_P350537	0.002337928	0.282	**Mtmr11**	myotubularin related protein 11
A_52_P574945	1.20E-06	0.282	**1500026H17Rik**	RIKEN cDNA 1500026H17 gene
A_55_P2146663	7.20E-05	0.282	**Trim7**	tripartite motif-containing 7
A_51_P200610	7.93E-06	0.282	**Zbtb12**	zinc finger and BTB domain containing 12
A_52_P326657	1.19E-08	0.282	**Fam167b**	family with sequence similarity 167, member B
A_66_P119350	1.23E-06	0.282	**2310040G24Rik**	RIKEN cDNA 2310040G24 gene
A_51_P327632	0.000114414	0.282	**Igsf3**	immunoglobulin superfamily, member 3
A_30_P01022985	5.55E-05	0.283		
A_51_P496309	3.12E-05	0.283	**Rfx4**	regulatory factor X, 4 (influences HLA class II expression)
A_51_P113274	4.84E-07	0.283	**Hps6**	Hermansky-Pudlak syndrome 6
A_55_P2174203	1.13E-05	0.283	**Lims2**	LIM and senescent cell antigen like domains 2
A_55_P2071596	2.28E-05	0.283	**Ppara**	peroxisome proliferator activated receptor alpha
A_55_P1990217	8.80E-06	0.283	**Zfp13**	zinc finger protein 13
A_66_P102879	2.17E-07	0.283	**Thra**	thyroid hormone receptor alpha
A_55_P2136935	4.15E-05	0.283	**Rgs7bp**	regulator of G-protein signalling 7 binding protein
A_55_P2419495	7.05E-06	0.283	**1110028F11Rik**	RIKEN cDNA 1110028F11 gene
A_55_P2040357	5.56E-09	0.283	**Bola1**	bolA-like 1 (E. coli)
A_30_P01028673	9.69E-08	0.283		
A_55_P2165774	5.87E-06	0.284	**Cenpo**	centromere protein O
A_30_P01026021	0.000270024	0.284		
A_55_P2156638	0.000236132	0.284	**Gpr114**	G protein-coupled receptor 114
A_52_P38964	3.87E-07	0.284	**Sap25**	sin3 associated polypeptide
A_66_P107578	5.23E-06	0.284	**Nlrp9c**	NLR family, pyrin domain containing 9C
A_51_P104430	0.000123388	0.284	**Magee1**	melanoma antigen, family E, 1
A_55_P2054342	6.08E-07	0.284		
A_55_P2020661	1.27E-08	0.284	**Orai3**	ORAI calcium release-activated calcium modulator 3
A_55_P1952714	3.71E-08	0.284	**Kctd2**	potassium channel tetramerisation domain containing 2
A_52_P387724	4.48E-05	0.285	**Tcf7l1**	transcription factor 7-like 1 (T-cell specific, HMG box)
A_52_P18937	1.15E-06	0.285	**4930404N11Rik**	RIKEN cDNA 4930404N11 gene
A_55_P1987984	6.97E-06	0.285		
A_55_P2110362	5.96E-10	0.285	**Zfp637**	zinc finger protein 637
A_30_P01026710	0.000106113	0.285		
A_55_P1965050	3.89E-08	0.285	**Cks2**	CDC28 protein kinase regulatory subunit 2
A_51_P100776	0.000256525	0.285	**Zfp169**	zinc finger protein 169
A_30_P01021625	3.27E-08	0.285		
A_30_P01031524	4.00E-06	0.285		
A_55_P2061064	0.003699417	0.286	**Ggt5**	gamma-glutamyltransferase 5
A_52_P413492	4.89E-09	0.286	**Ldlrap1**	low density lipoprotein receptor adaptor protein 1

A_55_P2116868	5.01E-08	0.286	**A130010J15Rik**	RIKEN cDNA A130010J15 gene
A_55_P2034491	0.000149335	0.286		
A_52_P144297	3.78E-08	0.286	**Tspyl3**	TSPY-like 3
A_55_P1985698	0.001086786	0.286		
A_51_P109369	8.37E-05	0.286	**Fbxo32**	F-box protein 32
A_51_P288479	9.32E-06	0.286	**Slc25a29**	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29
A_55_P1998506	1.62E-05	0.286	**Aplf**	aprataxin and PNKP like factor
A_55_P2046509	1.20E-07	0.286	**Amot**	angiomotin
A_55_P2096834	4.10E-08	0.286	**Fbxl19**	F-box and leucine-rich repeat protein 19
A_55_P2140656	3.85E-05	0.286	**Gm6658**	predicted gene 6658
A_55_P2074453	0.000851099	0.286	**Slc16a9**	solute carrier family 16 (monocarboxylic acid transporters), member 9
A_51_P238383	6.91E-08	0.287	**B4galt4**	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4
A_52_P100242	2.10E-09	0.287	**Ftsj2**	FtsJ homolog 2 (E. coli)
A_55_P2034175	2.46E-07	0.287	**Usp28**	ubiquitin specific peptidase 28
A_66_P136801	2.21E-06	0.287	**Peg13**	paternally expressed 13
A_51_P519008	0.000290282	0.287	**Mkx**	mohawk homeobox
A_51_P109369	0.000298032	0.287	**Fbxo32**	F-box protein 32
A_55_P2086387	1.16E-08	0.287	**1700030K09Rik**	RIKEN cDNA 1700030K09 gene
A_55_P1985219	7.90E-09	0.288	**Pnpla6**	patatin-like phospholipase domain containing 6
A_55_P2010992	8.19E-06	0.288		
A_30_P01033159	2.08E-07	0.288		
A_55_P2004213	1.41E-05	0.288	**Gprasp2**	G protein-coupled receptor associated sorting protein 2
A_55_P2019054	5.57E-05	0.288	**Acacb**	acetyl-Coenzyme A carboxylase beta
A_52_P348720	1.20E-06	0.288	**Rhobtb3**	Rho-related BTB domain containing 3
A_30_P01024106	1.10E-06	0.288		
A_30_P01018593	7.31E-09	0.288		
A_55_P1961451	8.40E-05	0.288	**Adamts7**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 7
A_51_P179531	0.000309735	0.289	**Flt4**	FMS-like tyrosine kinase 4
A_30_P01024339	3.58E-08	0.289		
A_30_P01024128	1.05E-07	0.289		
A_51_P383194	2.03E-06	0.289	**Pde9a**	phosphodiesterase 9A
A_51_P436727	3.53E-09	0.289	**Arrb1**	arrestin, beta 1
A_66_P128702	8.17E-08	0.289	**Nup43**	nucleoporin 43
A_52_P348031	2.87E-07	0.290	**Syt9**	synaptotagmin IX
A_51_P490817	2.85E-06	0.290	**Me2**	malic enzyme 2, NAD(+)-dependent, mitochondrial
A_30_P01026107	2.20E-06	0.290		
A_51_P345649	8.61E-07	0.290	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_52_P134228	0.000207956	0.290	**Lsm11**	U7 snRNP-specific Sm-like protein LSM11
A_52_P287992	1.75E-05	0.290	**Tbcel**	tubulin folding cofactor E-like
A_30_P01030779	1.70E-07	0.290		
A_55_P2033917	6.60E-06	0.290	**Fut10**	fucosyltransferase 10
A_52_P494380	2.86E-10	0.290	**Dgkq**	diacylglycerol kinase, theta
A_51_P109369	0.000589622	0.291	**Fbxo32**	F-box protein 32
A_51_P163476	1.81E-07	0.291	**5430403G16Rik**	RIKEN cDNA 5430403G16 gene
A_30_P01028904	0.003286463	0.291		
A_51_P195875	7.22E-07	0.291	**Notch4**	Notch gene homolog 4 (Drosophila)
A_55_P2021792	1.10E-05	0.291	**Dyrk1b**	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b
A_55_P2012439	4.82E-05	0.291	**Tnfrsf19**	tumor necrosis factor receptor superfamily, member 19
A_55_P2020341	5.99E-10	0.291	**Camk2g**	calcium/calmodulin-dependent protein kinase II gamma
A_55_P2288645	0.001050809	0.291	**LOC497255**	hypothetical LOC497255
A_51_P128499	2.32E-05	0.291	**Dennd3**	DENN/MADD domain containing 3
A_55_P1967539	2.22E-05	0.291	**Hunk**	hormonally upregulated Neu-associated kinase
A_51_P108973	0.000171926	0.291	**4931414P19Rik**	RIKEN cDNA 4931414P19 gene
A_30_P01024768	4.11E-06	0.292		
A_30_P01024387	0.00038384	0.292		
A_52_P443544	6.90E-07	0.292	**D330012F22Rik**	RIKEN cDNA D330012F22 gene
A_55_P1979335	1.94E-07	0.292	**1810062G17Rik**	RIKEN cDNA 1810062G17 gene
A_66_P107745	1.18E-06	0.292	**1110020A21Rik**	RIKEN cDNA 1110020A21 gene
A_51_P485651	1.28E-06	0.292	**3110052M02Rik**	RIKEN cDNA 3110052M02 gene
A_51_P188271	2.45E-07	0.292	**Cd248**	CD248 antigen, endosialin
A_30_P01022860	5.25E-05	0.292		
A_30_P01032135	3.05E-07	0.292		
A_55_P2163928	5.74E-06	0.292	**Cxx1c**	CAAX box 1 homolog C (human)
A_30_P01021491	1.70E-05	0.292		
A_55_P2026275	6.50E-06	0.292	**Ppp1r1b**	protein phosphatase 1, regulatory (inhibitor) subunit 1B
A_66_P120208	5.38E-08	0.292	**Cnnm3**	cyclin M3
A_51_P497661	4.38E-06	0.293	**Ntn4**	netrin 4
A_55_P2100705	5.32E-05	0.293		
A_51_P480328	1.18E-05	0.293	**Eltd1**	EGF, latrophilin seven transmembrane domain containing 1
A_55_P2098499	8.35E-07	0.293	**Gnpda2**	glucosamine-6-phosphate deaminase 2
A_30_P01021547	3.53E-05	0.293		
A_66_P136930	1.53E-05	0.293		
A_51_P367125	4.10E-07	0.293	**Pold1**	polymerase (DNA directed), delta 1, catalytic subunit
A_55_P2125972	3.68E-07	0.293	**Gorasp1**	golgi reassembly stacking protein 1
A_52_P679105	6.17E-06	0.294	**Prss23**	protease, serine, 23
A_55_P2115220	5.25E-06	0.294	**Gm11437**	predicted gene 11437
A_55_P2000533	9.50E-08	0.294	**Polk**	polymerase (DNA directed), kappa
A_55_P2137314	2.08E-06	0.294	**Kctd21**	potassium channel tetramerisation domain containing 21
A_30_P01018045	2.64E-06	0.294		
A_55_P2166990	6.37E-08	0.294	**Ppcs**	phosphopantothenoylcysteine synthetase
A_51_P279552	7.31E-07	0.294	**Cav2**	caveolin 2
A_52_P94454	3.75E-05	0.294		
A_30_P01029199	8.16E-05	0.294		
A_55_P2083023	2.49E-10	0.294	**Sac3d1**	SAC3 domain containing 1
A_55_P2121613	1.28E-06	0.294	**Sox4**	SRY-box containing gene 4
A_51_P116609	0.000515673	0.294	**Tex12**	testis expressed gene 12
A_55_P2119985	3.27E-06	0.294	**Baiap2**	brain-specific angiogenesis inhibitor 1-associated protein 2
A_52_P84275	2.03E-05	0.295	**Derl2**	Der1-like domain family, member 2
A_30_P01019938	1.50E-08	0.295		
A_55_P2016739	1.89E-05	0.295	**C430048L16Rik**	RIKEN cDNA C430048L16 gene
A_30_P01019709	4.24E-05	0.295		
A_30_P01026892	0.001479777	0.295		
A_55_P1960298	8.54E-08	0.295	**Tmem80**	transmembrane protein 80
A_30_P01028975	0.000723323	0.295		
A_55_P2076631	6.63E-06	0.295	**Gypc**	glycophorin C
A_51_P345649	6.81E-07	0.295	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P2075248	7.23E-06	0.296		
A_55_P2071596	3.18E-05	0.296	**Ppara**	peroxisome proliferator activated receptor alpha
A_51_P249193	1.07E-05	0.296	**Gsg1l**	GSG1-like
A_52_P534749	0.000419936	0.296	**Npas2**	neuronal PAS domain protein 2

A_55_P2175050	0.000361669	0.296		
A_55_P2041363	1.18E-05	0.296		
A_55_P1967736	2.16E-07	0.296	**Nkd1**	naked cuticle 1 homolog (Drosophila)
A_30_P01024829	1.17E-07	0.296		
A_51_P503542	1.07E-09	0.296	**Zfp414**	zinc finger protein 414
A_65_P07361	5.45E-08	0.296	**Trim14**	tripartite motif-containing 14
A_30_P01031183	2.42E-05	0.296		
A_55_P2128929	5.39E-06	0.296	**Cc2d2a**	coiled-coil and C2 domain containing 2A
A_55_P2157205	0.002530952	0.296	**Cdx1**	caudal type homeobox 1
A_55_P2436438	1.21E-07	0.296	**Dusp22**	dual specificity phosphatase 22
A_55_P2133943	5.36E-05	0.296		
A_30_P01024871	1.46E-05	0.296		
A_55_P1974442	2.07E-07	0.296	**Sumf2**	sulfatase modifying factor 2
A_66_P105319	1.39E-08	0.296		
A_51_P224164	0.001095223	0.296	**Slc26a4**	solute carrier family 26, member 4
A_52_P139740	4.47E-09	0.296	**Mdp1**	magnesium-dependent phosphatase 1
A_52_P529360	8.27E-05	0.296	**Rab11fip5**	RAB11 family interacting protein 5 (class I)
A_55_P2006479	0.000451991	0.297	**3300002I08Rik**	RIKEN cDNA 3300002I08 gene
A_55_P2163561	6.42E-06	0.297	**Sytl1**	synaptotagmin-like 1
A_30_P01032677	0.000270471	0.297		
A_55_P2007738	1.31E-06	0.297	**2210403K04Rik**	RIKEN cDNA 2210403K04 gene
A_55_P2035311	0.000185314	0.297	**3110099E03Rik**	RIKEN cDNA 3110099E03 gene
A_51_P222467	1.99E-06	0.297	**Abcg1**	ATP-binding cassette, sub-family G (WHITE), member 1
A_30_P01030141	0.000113387	0.297		
A_55_P2040815	5.04E-07	0.297	**Lrrc45**	leucine rich repeat containing 45
A_55_P2038479	4.66E-07	0.297	**Pddc1**	Parkinson disease 7 domain containing 1
A_55_P2046245	0.002676311	0.298	**Hes1**	hairy and enhancer of split 1 (Drosophila)
A_51_P345649	4.81E-07	0.298	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P2148531	2.46E-07	0.298	**1110049F12Rik**	RIKEN cDNA 1110049F12 gene
A_51_P256224	7.27E-07	0.298	**Zfp768**	zinc finger protein 768
A_30_P01033600	0.000265765	0.298		
A_52_P420500	4.15E-05	0.298	**Cry1**	cryptochrome 1 (photolyase-like)
A_55_P2168628	6.27E-11	0.298	**Sac3d1**	SAC3 domain containing 1
A_52_P330540	4.78E-06	0.298	**2610039C10Rik**	RIKEN cDNA 2610039C10 gene
A_51_P104430	4.49E-05	0.298	**Magee1**	melanoma antigen, family E, 1
A_55_P2002557	0.003828588	0.299	**Srebf1**	sterol regulatory element binding transcription factor 1
A_51_P226429	1.42E-06	0.299	**Rhobtb2**	Rho-related BTB domain containing 2
A_30_P01021921	4.58E-06	0.299		
A_30_P01018190	0.001103987	0.299		
A_52_P450934	8.91E-07	0.299	**Paqr9**	progestin and adipoQ receptor family member IX
A_51_P370252	2.52E-07	0.299	**Capn10**	calpain 10
A_52_P244723	9.84E-06	0.299	**Tbcel**	tubulin folding cofactor E-like
A_55_P2010843	7.19E-09	0.299	**Fahd1**	fumarylacetoacetate hydrolase domain containing 1
A_52_P562267	0.000164115	0.299	**9130409I23Rik**	RIKEN cDNA 9130409I23 gene
A_55_P2035838	0.002033869	0.299		
A_55_P1954306	3.47E-07	0.300	**Esrra**	estrogen related receptor, alpha
A_52_P413646	6.42E-05	0.300	**Bmp6**	bone morphogenetic protein 6
A_55_P2251379	1.01E-07	0.300	**AV313155**	expressed sequence AV313155
A_30_P01025009	3.04E-08	0.300		
A_55_P2088571	1.09E-08	0.300	**Repin1**	replication initiator 1
A_51_P238734	4.83E-09	0.300	**Mfsd11**	major facilitator superfamily domain containing 11
A_51_P116609	0.000232083	0.300	**Tex12**	testis expressed gene 12
A_55_P1967553	1.19E-06	0.300	**D14Ertd449e**	DNA segment, Chr 14, ERATO Doi 449, expressed
A_52_P355075	2.88E-10	0.301	**Rab40c**	Rab40c, member RAS oncogene family
A_51_P187625	0.000227973	0.301	**Cabp2**	calcium binding protein 2
A_55_P2089710	4.24E-07	0.301	**Ednrb**	endothelin receptor type B
A_66_P108188	6.01E-09	0.301	**Car5a**	carbonic anhydrase 5a, mitochondrial
A_55_P2087053	0.000103805	0.301	**Gm11437**	predicted gene 11437
A_55_P2060502	6.81E-08	0.301	**Zfp563**	zinc finger protein 563
A_55_P2382110	4.23E-06	0.301	**Slc38a9**	solute carrier family 38, member 9
A_55_P2046408	0.00047485	0.301		
A_55_P2083789	1.42E-06	0.301	**2810410L24Rik**	RIKEN cDNA 2810410L24 gene
A_55_P2052485	9.51E-07	0.302	**Ushbp1**	Usher syndrome 1C binding protein 1
A_66_P129769	1.05E-05	0.302	**Sik2**	salt inducible kinase 2
A_55_P2023191	3.08E-06	0.302	**Polg2**	polymerase (DNA directed), gamma 2, accessory subunit
A_66_P112305	9.51E-06	0.302	**Myo1f**	myosin IF
A_51_P149960	5.78E-06	0.302	**Letm2**	leucine zipper-EF-hand containing transmembrane protein 2
A_55_P1960043	2.69E-05	0.302	**Sec31b**	Sec31 homolog B (S. cerevisiae)
A_55_P2169064	0.000202646	0.302	**Olfr1474**	olfactory receptor 1474
A_30_P01031056	1.96E-06	0.302		
A_52_P137559	0.000639565	0.302	**Rttn**	rotatin
A_52_P257472	4.16E-05	0.302	**Prr12**	proline rich 12
A_52_P255224	0.00030764	0.302	**Gm5784**	predicted gene 5784
A_30_P01028878	1.34E-06	0.303		
A_55_P1955325	6.12E-07	0.303	**Zfp820**	zinc finger protein 820
A_51_P463440	0.002089681	0.303	**Elovl6**	ELOVL family member 6, elongation of long chain fatty acids (yeast)
A_51_P250445	5.80E-06	0.303	**Zfp276**	zinc finger protein (C2H2 type) 276
A_55_P2003133	1.01E-09	0.303	**Ngrn**	neugrin, neurite outgrowth associated
A_55_P2090394	7.58E-06	0.303		
A_55_P2109337	1.18E-05	0.303	**Gba2**	glucosidase beta 2
A_51_P521090	0.000208177	0.303		
A_51_P487813	2.69E-06	0.304	**Lxn**	latexin
A_55_P2142393	0.000326924	0.304	**Cacna1a**	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit
A_55_P2027801	9.18E-06	0.304	**BC052040**	cDNA sequence BC052040
A_51_P352283	2.34E-08	0.304	**Cyb561d1**	cytochrome b-561 domain containing 1
A_52_P226127	4.29E-07	0.304	**Dido1**	death inducer-obliterator 1
A_55_P2000588	0.000541901	0.305	**Rfx7**	regulatory factor X, 7
A_51_P107020	0.000521987	0.305	**Kif5a**	kinesin family member 5A
A_55_P2375194	7.08E-05	0.305	**P2rx3**	purinergic receptor P2X, ligand-gated ion channel, 3
A_52_P278295	1.53E-06	0.305	**Pear1**	platelet endothelial aggregation receptor 1
A_55_P2311208	0.00012714	0.305	**C130045F17Rik**	RIKEN cDNA C130045F17 gene
A_66_P116912	3.78E-05	0.305	**Tia1**	cytotoxic granule-associated RNA binding protein 1
A_55_P2063216	0.001575427	0.306	**Dusp14**	dual specificity phosphatase 14
A_30_P01022479	3.09E-09	0.306		
A_51_P107020	0.000159834	0.306	**Kif5a**	kinesin family member 5A
A_55_P2057577	7.33E-05	0.306	**Ugt1a6a**	UDP glucuronosyltransferase 1 family, polypeptide A6A
A_51_P382512	7.43E-06	0.306	**Zfp418**	zinc finger protein 418
A_51_P516133	1.99E-05	0.306	**Hist1h1c**	histone cluster 1, H1c
A_55_P2087944	1.72E-06	0.306		
A_30_P01027389	6.32E-05	0.306		

A_52_P381484	0.000646312	0.306	**Spon2**	spondin 2, extracellular matrix protein
A_52_P597634	1.00E-07	0.307	**Fzd1**	frizzled homolog 1 (Drosophila)
A_51_P502957	4.66E-05	0.307	**Stxbp4**	syntaxin binding protein 4
A_55_P2045946	2.40E-06	0.307	**2410002I01Rik**	RIKEN cDNA 2410002I01 gene
A_30_P01022963	2.64E-07	0.307		
A_55_P2090929	4.91E-05	0.307		
A_55_P2110062	8.13E-05	0.307		
A_55_P2196185	3.66E-06	0.307	**4930412C18Rik**	RIKEN cDNA 4930412C18 gene
A_51_P406557	8.77E-08	0.307	**AI464131**	expressed sequence AI464131
A_55_P1981664	5.67E-09	0.307	**Sept8**	septin 8
A_55_P1964965	7.57E-06	0.308	**Gm1673**	predicted gene 1673
A_55_P2044533	2.33E-05	0.308	**Stard9**	START domain containing 9
A_55_P1975315	0.000121264	0.308	**Crygs**	crystallin, gamma S
A_30_P01024256	0.000230027	0.308		
A_30_P01023617	1.05E-05	0.308		
A_55_P2177488	1.26E-06	0.308	**Hist2h2be**	histone cluster 2, H2be
A_55_P2286650	0.000238498	0.308	**6720462K09Rik**	RIKEN cDNA 6720462K09 gene
A_55_P2062250	1.41E-05	0.308	**Gm5524**	predicted gene 5524
A_51_P244531	9.63E-05	0.308		
A_30_P01030640	7.01E-06	0.308		
A_55_P2182273	0.000110471	0.309	**Bin2**	bridging integrator 2
A_55_P2133125	1.31E-05	0.309	**D930015E06Rik**	RIKEN cDNA D930015E06 gene
A_30_P01023130	3.95E-05	0.309		
A_55_P2112479	5.94E-07	0.309	**Nudt16l1**	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1
A_30_P01025896	3.80E-06	0.309		
A_66_P128608	0.000101632	0.309	**Fut11**	fucosyltransferase 11
A_52_P552547	2.31E-07	0.309	**1110054M08Rik**	RIKEN cDNA 1110054M08 gene
A_55_P1989981	0.000198496	0.309	**Fam129b**	family with sequence similarity 129, member B
A_52_P296109	2.45E-07	0.309	**Cstf1**	cleavage stimulation factor, 3' pre-RNA, subunit 1
A_51_P277629	2.05E-05	0.309	**Zfp81**	zinc finger protein 81
A_55_P2160588	4.09E-07	0.310		
A_55_P2112170	9.33E-08	0.310	**Crtc1**	CREB regulated transcription coactivator 1
A_55_P1998001	0.000142808	0.310	**DXBay18**	DNA segment, Chr X, Baylor 18
A_30_P01022328	3.06E-05	0.310		
A_52_P504787	1.25E-05	0.310	**Epha7**	Eph receptor A7
A_52_P393589	1.58E-05	0.310	**9030425E11Rik**	RIKEN cDNA 9030425E11 gene
A_52_P144285	9.58E-07	0.311	**Fam72a**	family with sequence similarity 72, member A
A_52_P137691	1.74E-08	0.311	**Trappc5**	trafficking protein particle complex 5
A_55_P1986113	8.81E-06	0.311	**Ppil1**	peptidylprolyl isomerase (cyclophilin)-like 1
A_55_P2170519	0.003071104	0.311	**4933406I18Rik**	RIKEN cDNA 4933406I18 gene
A_55_P1970825	0.000313415	0.311		
A_51_P411345	0.00017758	0.311	**Mogat2**	monoacylglycerol O-acyltransferase 2
A_55_P2044847	0.000177202	0.311	**Nhlrc1**	NHL repeat containing 1
A_52_P220163	7.64E-07	0.312	**5830454E08Rik**	RIKEN cDNA 5830454E08 gene
A_51_P460048	3.33E-07	0.312	**Cnrip1**	cannabinoid receptor interacting protein 1
A_30_P01020295	0.000762551	0.312		
A_55_P2020896	6.05E-06	0.312	**Parp16**	poly (ADP-ribose) polymerase family, member 16
A_55_P2010773	0.000148407	0.312	**Tbx2**	T-box 2
A_30_P01031879	2.22E-05	0.313		
A_55_P2117959	2.27E-05	0.313	**Cyp4b1**	cytochrome P450, family 4, subfamily b, polypeptide 1
A_55_P1964573	7.44E-07	0.313	**Arhgef6**	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
A_55_P2135271	1.98E-08	0.313	**Zfp358**	zinc finger protein 358
A_30_P01019601	1.39E-06	0.313		
A_51_P160913	0.00397229	0.313	**Mr1**	major histocompatibility complex, class I-related
A_55_P2007334	1.16E-08	0.314	**Mepce**	methylphosphate capping enzyme
A_30_P01028802	1.53E-05	0.314		
A_55_P2057070	6.33E-06	0.314	**Magix**	MAGI family member, X-linked
A_30_P01021456	1.21E-07	0.314		
A_51_P300054	3.16E-07	0.314	**4933440N22Rik**	RIKEN cDNA 4933440N22 gene
A_55_P1989813	7.46E-05	0.314	**Gcm1**	glial cells missing homolog 1 (Drosophila)
A_51_P126198	2.75E-07	0.314	**Dapk2**	death-associated protein kinase 2
A_55_P2090817	2.18E-08	0.314	**Macrod2**	MACRO domain containing 2
A_66_P120414	1.26E-05	0.314	**Adcy5**	adenylate cyclase 5
A_66_P111285	5.13E-08	0.314	**Pdp2**	pyruvate dehyrogenase phosphatase catalytic subunit 2
A_52_P673307	1.33E-05	0.315	**2610044O15Rik**	RIKEN cDNA 2610044O15 gene
A_52_P166694	1.33E-06	0.315	**Vamp1**	vesicle-associated membrane protein 1
A_55_P2112120	5.72E-08	0.315	**Tnk2**	tyrosine kinase, non-receptor, 2
A_30_P01017968	6.87E-08	0.315		
A_55_P2387104	0.000119666	0.315	**4930471M09Rik**	RIKEN cDNA 4930471M09 gene
A_51_P254045	0.000527717	0.315	**Traip**	TRAF-interacting protein
A_51_P333923	0.00019853	0.315	**Tspan1**	tetraspanin 1
A_51_P345649	5.22E-07	0.315	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P2279957	2.23E-07	0.315	**5730414N17Rik**	RIKEN cDNA 5730414N17 gene
A_51_P374101	5.36E-05	0.315	**Pard6b**	par-6 (partitioning defective 6) homolog beta (C. elegans)
A_51_P487668	0.000162924	0.316	**H2afy3**	H2A histone family, member Y3
A_55_P1964403	4.18E-06	0.316	**Agfg2**	ArfGAP with FG repeats 2
A_30_P01018761	0.000673154	0.316		
A_52_P469956	9.98E-05	0.316	**Zc3h6**	zinc finger CCCH type containing 6
A_52_P121502	9.53E-07	0.316	**Pllp**	plasma membrane proteolipid
A_55_P2084910	0.000192442	0.316	**Zfp385b**	zinc finger protein 385B
A_66_P115531	1.24E-06	0.316	**Crebzf**	CREB/ATF bZIP transcription factor
A_55_P2182806	1.57E-07	0.316		
A_30_P01023371	9.48E-06	0.316		
A_30_P01028831	0.000345294	0.317		
A_52_P541175	2.18E-07	0.317	**Marveld1**	MARVEL (membrane-associating) domain containing 1
A_55_P2390776	2.71E-05	0.317	**1810064F22Rik**	RIKEN cDNA 1810064F22 gene
A_51_P454190	3.17E-06	0.317	**Hecw2**	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
A_51_P366290	3.53E-08	0.317	**Zfp865**	zinc finger protein 865
A_55_P2109857	6.62E-05	0.317	**Rgs2**	regulator of G-protein signaling 2
A_55_P1988413	0.000607929	0.317	**Dpysl4**	dihydropyrimidinase-like 4
A_66_P134405	0.001012825	0.317	**Axin2**	axin2
A_51_P295896	1.85E-05	0.317	**4930452B06Rik**	RIKEN cDNA 4930452B06 gene
A_51_P398260	4.36E-06	0.317	**Tppp**	tubulin polymerization promoting protein
A_55_P2023484	2.14E-07	0.317	**Osbpl5**	oxysterol binding protein-like 5
A_51_P467837	5.18E-06	0.317	**Ap3m2**	adaptor-related protein complex 3, mu 2 subunit
A_51_P279100	5.82E-06	0.317	**Ptgs1**	prostaglandin-endoperoxide synthase 1
A_51_P487308	1.03E-06	0.317	**Pstk**	phosphoseryl-tRNA kinase
A_51_P202801	3.40E-09	0.317	**Abcb9**	ATP-binding cassette, sub-family B (MDR/TAP), member 9
A_66_P113892	1.29E-05	0.317	**1110017F19Rik**	RIKEN cDNA 1110017F19 gene
A_51_P476851	4.97E-09	0.317	**Fance**	Fanconi anemia, complementation group E

A_51_P128499	6.95E-05	0.317	**Dennd3**	DENN/MADD domain containing 3
A_52_P15197	1.65E-08	0.317	**Dcun1d2**	DCN1, defective in cullin neddylation 1, domain containing 2 (S. cerevisiae)
A_55_P2110355	1.02E-10	0.317	**Zfp637**	zinc finger protein 637
A_51_P115374	2.61E-05	0.317	**Pot1b**	protection of telomeres 1B
A_55_P2106645	0.000242596	0.318	**Adcy5**	adenylate cyclase 5
A_30_P01027643	0.000114835	0.318		
A_52_P497056	5.53E-05	0.318	**Fam48a**	family with sequence similarity 48, member A
A_55_P2148268	3.11E-07	0.318	**AI480653**	expressed sequence AI480653
A_55_P2102624	0.001275587	0.318	**Eaf2**	ELL associated factor 2
A_30_P01020778	0.001375283	0.318		
A_30_P01027589	2.75E-07	0.318		
A_55_P1984023	2.53E-06	0.318	**Arrb2**	arrestin, beta 2
A_30_P01028949	0.000344676	0.318		
A_51_P383755	3.39E-05	0.318	**1110006G14Rik**	RIKEN cDNA 1110006G14 gene
A_52_P137371	0.001032787	0.318	**Hmgcr**	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
A_55_P2028054	2.39E-07	0.319	**Incenp**	inner centromere protein
A_51_P348665	9.36E-06	0.319	**Ramp1**	receptor (calcitonin) activity modifying protein 1
A_51_P348397	1.57E-07	0.319	**Hexim1**	hexamethylene bis-acetamide inducible 1
A_51_P153973	1.28E-07	0.319	**Zfp273**	zinc finger protein 273
A_66_P124817	2.55E-06	0.319	**Ing1**	inhibitor of growth family, member 1
A_51_P265151	5.59E-05	0.319	**Arhgef10**	Rho guanine nucleotide exchange factor (GEF) 10
A_30_P01029148	9.16E-07	0.319		
A_51_P116609	0.00224005	0.319	**Tex12**	testis expressed gene 12
A_30_P01017889	2.32E-06	0.319		
A_55_P2344943	6.21E-05	0.319	**B130055M24Rik**	RIKEN cDNA B130055M24 gene
A_55_P2125947	1.49E-05	0.319	**Agpat2**	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
A_51_P105709	2.76E-05	0.320	**Trip13**	thyroid hormone receptor interactor 13
A_55_P2104327	1.75E-06	0.320	**Pxdn**	peroxidasin homolog (Drosophila)
A_55_P2021125	1.46E-06	0.320		
A_30_P01017864	5.14E-05	0.320		
A_51_P126337	0.001943366	0.320	**Fgf12**	fibroblast growth factor 12
A_55_P1980636	0.000137413	0.320	**Aurka**	aurora kinase A
A_51_P417858	2.36E-07	0.320	**Zfp825**	zinc finger protein 825
A_51_P459070	8.31E-06	0.320	**Aplf**	aprataxin and PNKP like factor
A_55_P2088741	3.90E-09	0.320	**Mtif3**	mitochondrial translational initiation factor 3
A_55_P2361647	9.68E-06	0.321	**4831440E17Rik**	RIKEN cDNA 4831440E17 gene
A_55_P2031442	6.04E-08	0.321	**1110049F12Rik**	RIKEN cDNA 1110049F12 gene
A_52_P403764	4.35E-05	0.321	**4930402H24Rik**	RIKEN cDNA 4930402H24 gene
A_30_P01029673	1.22E-05	0.321		
A_55_P2140031	0.00030372	0.322	**Fam129b**	family with sequence similarity 129, member B
A_55_P2127478	9.95E-06	0.322		
A_55_P2041843	6.88E-09	0.322	**Nde1**	nuclear distribution gene E homolog 1 (A nidulans)
A_30_P01029645	4.28E-05	0.322		
A_30_P01025871	0.000294203	0.322		
A_52_P197772	1.59E-05	0.322	**Xrcc2**	X-ray repair complementing defective repair in Chinese hamster cells 2
A_51_P386648	0.001959891	0.322	**Glod5**	glyoxalase domain containing 5
A_52_P480266	1.43E-05	0.322	**Atat1**	alpha tubulin acetyltransferase 1
A_55_P2055854	6.36E-05	0.322	**Ppara**	peroxisome proliferator activated receptor alpha
A_52_P674357	1.74E-08	0.322	**Thtpa**	thiamine triphosphatase
A_55_P2156186	1.01E-06	0.323	**BC028528**	cDNA sequence BC028528
A_30_P01029834	0.000994033	0.323		
A_30_P01019398	1.72E-08	0.323		
A_55_P2027240	4.69E-07	0.323	**Engase**	endo-beta-N-acetylglucosaminidase
A_52_P260818	1.85E-05	0.323	**Card10**	caspase recruitment domain family, member 10
A_52_P434820	6.27E-06	0.323	**Gnpda2**	glucosamine-6-phosphate deaminase 2
A_55_P2104532	4.20E-05	0.323	**Acacb**	acetyl-Coenzyme A carboxylase beta
A_55_P1956267	3.20E-09	0.323	**Syt11**	synaptotagmin XI
A_55_P2200029	0.002756232	0.323	**Dleu2**	deleted in lymphocytic leukemia, 2
A_55_P2170732	5.86E-05	0.324	**B930041F14Rik**	RIKEN cDNA B930041F14 gene
A_55_P2119348	9.22E-06	0.324	**1700066M21Rik**	RIKEN cDNA 1700066M21 gene
A_51_P211968	1.05E-07	0.324	**Lcmt1**	leucine carboxyl methyltransferase 1
A_51_P123795	6.98E-09	0.324	**Zfp637**	zinc finger protein 637
A_51_P345649	4.29E-07	0.324	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P1970755	0.000326018	0.324	**Hdac9**	histone deacetylase 9
A_52_P381418	1.55E-06	0.324	**Slc35b4**	solute carrier family 35, member B4
A_55_P2058746	1.07E-07	0.324	**Mterf**	mitochondrial transcription termination factor
A_51_P495232	7.79E-07	0.324	**Gpx8**	glutathione peroxidase 8 (putative)
A_51_P123795	2.30E-10	0.324	**Zfp637**	zinc finger protein 637
A_51_P480881	1.87E-08	0.324	**Thap11**	THAP domain containing 11
A_52_P357309	0.001001556	0.324	**Madd**	MAP-kinase activating death domain
A_55_P2007389	2.99E-06	0.324	**Fam189b**	family with sequence similarity 189, member B
A_55_P2107334	5.14E-06	0.325	**Trim14**	tripartite motif-containing 14
A_51_P202050	2.60E-06	0.325	**Dtx1**	deltex 1 homolog (Drosophila)
A_55_P2140383	5.32E-07	0.325	**2610039C10Rik**	RIKEN cDNA 2610039C10 gene
A_55_P2028571	7.33E-08	0.325	**Sgsh**	N-sulfoglucosamine sulfohydrolase (sulfamidase)
A_55_P2322709	0.001360775	0.325	**4633401B06Rik**	RIKEN cDNA 4633401B06 gene
A_66_P109220	6.38E-06	0.325	**4833442J19Rik**	RIKEN cDNA 4833442J19 gene
A_51_P304125	0.000380993	0.325	**Slc29a2**	solute carrier family 29 (nucleoside transporters), member 2
A_55_P2026753	1.55E-05	0.325	**Zmat1**	zinc finger, matrin type 1
A_51_P346923	7.28E-06	0.325	**Lepre1**	leprecan 1
A_55_P2080308	1.38E-07	0.325		
A_51_P123795	4.33E-10	0.325	**Zfp637**	zinc finger protein 637
A_55_P2020656	2.39E-06	0.326	**Orai3**	ORAI calcium release-activated calcium modulator 3
A_55_P2166262	3.12E-09	0.326	**Rnf215**	ring finger protein 215
A_55_P2040936	3.72E-07	0.326	**Eng**	endoglin
A_52_P462257	0.00311723	0.326		
A_55_P1966804	0.000244058	0.326	**Fdps**	farnesyl diphosphate synthetase
A_30_P01025344	6.74E-06	0.326		
A_51_P116609	0.000215596	0.326	**Tex12**	testis expressed gene 12
A_55_P1960291	1.97E-05	0.326	**Tjp3**	tight junction protein 3
A_55_P1955970	3.33E-07	0.326	**Cbfa2t2**	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human)
A_51_P123795	4.48E-09	0.327	**Zfp637**	zinc finger protein 637
A_30_P01029458	4.92E-05	0.327		
A_52_P63905	1.60E-07	0.327	**Ddc**	dopa decarboxylase
A_55_P2124273	2.46E-05	0.327	**Myo1f**	myosin IF
A_55_P2379480	0.000109381	0.327	**A630065K11Rik**	RIKEN cDNA A630065K11 gene
A_51_P221428	2.81E-07	0.327	**Cbx6**	chromobox homolog 6
A_55_P2330545	9.75E-08	0.328	**Zfp81**	zinc finger protein 81
A_66_P120832	0.00024229	0.328	**Gm5887**	predicted gene 5887
A_55_P2028936	1.96E-05	0.328	**5033425G24Rik**	RIKEN cDNA 5033425G24 gene

A_55_P2302290	0.000318908	0.328	**E230012P03**	hypothetical protein E230012P03
A_30_P01018363	0.000200952	0.328		
A_51_P110341	0.001040866	0.328	**Scgb3a1**	secretoglobin, family 3A, member 1
A_51_P365656	3.27E-08	0.328	**Tmem101**	transmembrane protein 101
A_55_P2035683	2.30E-05	0.328		
A_66_P104473	2.38E-06	0.328	**Polg2**	polymerase (DNA directed), gamma 2, accessory subunit
A_51_P109369	0.000113952	0.328	**Fbxo32**	F-box protein 32
A_55_P2430221	0.000221384	0.329	**Fam35a**	family with sequence similarity 35, member A
A_51_P488554	3.26E-05	0.329	**3010026O09Rik**	RIKEN cDNA 3010026O09 gene
A_51_P502964	1.18E-06	0.329	**Tmem63a**	transmembrane protein 63a
A_30_P01023067	4.05E-06	0.329		
A_51_P258766	7.19E-07	0.329	**Smo**	smoothened homolog (Drosophila)
A_51_P123795	7.86E-09	0.329	**Zfp637**	zinc finger protein 637
A_55_P2168267	0.000262573	0.329		
A_55_P2014987	3.77E-06	0.329	**Gatsl2**	GATS protein-like 2
A_30_P01017853	0.000102668	0.329		
A_55_P2104542	3.11E-05	0.329		
A_30_P01023561	0.000385942	0.330		
A_55_P1996414	0.002762746	0.330	**5033417F24Rik**	RIKEN cDNA 5033417F24 gene
A_55_P2459006	0.000325884	0.330	**Agphd1**	aminoglycoside phosphotransferase domain containing 1
A_51_P116609	0.000227263	0.330	**Tex12**	testis expressed gene 12
A_51_P172502	1.48E-06	0.330	**Cxcl12**	chemokine (C-X-C motif) ligand 12
A_55_P2185870	1.36E-05	0.330	**Bcl7a**	B-cell CLL/lymphoma 7A
A_55_P2204491	1.32E-05	0.330	**AI131754**	expressed sequence AI131754
A_30_P01019556	2.09E-05	0.330		
A_52_P302544	0.000504804	0.330	**Col8a2**	collagen, type VIII, alpha 2
A_55_P2053783	2.36E-06	0.330	**Ppp2r3a**	protein phosphatase 2, regulatory subunit B'', alpha
A_55_P2183597	2.85E-05	0.330	**Tbc1d2**	TBC1 domain family, member 2
A_51_P123795	1.01E-10	0.330	**Zfp637**	zinc finger protein 637
A_52_P123400	5.97E-08	0.330	**1110034A24Rik**	RIKEN cDNA 1110034A24 gene
A_55_P2064862	2.88E-05	0.330	**Ica1**	islet cell autoantigen 1
A_55_P2079390	3.74E-05	0.331	**4930579G24Rik**	RIKEN cDNA 4930579G24 gene
A_51_P141554	2.18E-08	0.331	**Med22**	mediator complex subunit 22
A_51_P123795	5.08E-09	0.331	**Zfp637**	zinc finger protein 637
A_51_P487918	7.12E-05	0.331	**Rinl**	Ras and Rab interactor-like
A_55_P2035326	0.000418876	0.331	**D5Ertd605e**	DNA segment, Chr 5, ERATO Doi 605, expressed
A_51_P247694	1.48E-05	0.331	**Gpr97**	G protein-coupled receptor 97
A_55_P2329298	0.00026085	0.331		
A_55_P1962906	1.76E-08	0.331	**Als2cl**	ALS2 C-terminal like
A_55_P2206461	0.000333959	0.331	**A930006K02Rik**	RIKEN cDNA A930006K02 gene
A_51_P173107	0.002628157	0.331	**1810046K07Rik**	RIKEN cDNA 1810046K07 gene
A_51_P415475	9.28E-07	0.331	**Dok4**	docking protein 4
A_51_P497724	2.47E-06	0.331	**Apol7a**	apolipoprotein L 7a
A_51_P394394	7.44E-07	0.331	**Tspan2**	tetraspanin 2
A_51_P328622	6.29E-05	0.332	**Tlcd2**	TLC domain containing 2
A_55_P2140449	0.001276167	0.332	**B3galt4**	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4
A_55_P2097022	0.003525799	0.332	**Eid1**	EP300 interacting inhibitor of differentiation 1
A_51_P399853	5.06E-07	0.332	**Zfp704**	zinc finger protein 704
A_30_P01032160	0.001028541	0.332		
A_55_P2023391	0.001566584	0.332	**Grhl3**	grainyhead-like 3 (Drosophila)
A_51_P245631	4.50E-07	0.332	**Rftn2**	raftlin family member 2
A_52_P249856	4.94E-06	0.332	**Cc2d2a**	coiled-coil and C2 domain containing 2A
A_55_P2412319	2.84E-09	0.332	**A830052D11Rik**	RIKEN cDNA A830052D11 gene
A_55_P2032966	0.000491903	0.332	**Hmgcs1**	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
A_30_P01024722	1.87E-07	0.332		
A_51_P346964	0.000266925	0.332	**Mrap**	melanocortin 2 receptor accessory protein
A_52_P518997	9.82E-06	0.332	**Epha2**	Eph receptor A2
A_51_P463120	0.000128239	0.332	**Ptplad2**	protein tyrosine phosphatase-like A domain containing 2
A_66_P113245	7.68E-06	0.332	**Mfng**	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_51_P460774	4.28E-06	0.332	**Smyd4**	SET and MYND domain containing 4
A_55_P1976097	2.37E-09	0.332		
A_30_P01031281	0.000211668	0.332		
A_52_P538447	9.64E-07	0.332	**Muted**	muted
A_55_P2036280	9.53E-06	0.333	**Psen2**	presenilin 2
A_55_P2006754	5.29E-06	0.333	**F630110N24Rik**	RIKEN cDNA F630110N24 gene
A_51_P364560	8.67E-05	0.333	**D330050I16Rik**	RIKEN cDNA D330050I16 gene
A_55_P2032363	1.36E-05	0.333	**Tomm40l**	translocase of outer mitochondrial membrane 40 homolog-like (yeast)
A_55_P2159070	1.13E-09	0.333	**2810025M15Rik**	RIKEN cDNA 2810025M15 gene
A_55_P2065364	0.000888004	0.333	**Tdrkh**	tudor and KH domain containing protein
A_30_P01029326	4.59E-06	0.333		
A_51_P272106	0.000165984	0.334	**Cirbp**	cold inducible RNA binding protein
A_55_P2180934	4.06E-06	0.334	**Gm8273**	predicted gene 8273
A_66_P117513	7.17E-05	0.334	**A830049F12Rik**	RIKEN cDNA A830049F12 gene
A_55_P2082869	2.79E-08	0.334	**Ezh1**	enhancer of zeste homolog 1 (Drosophila)
A_55_P2074085	0.00118999	0.334	**Gimap8**	GTPase, IMAP family member 8
A_66_P104190	6.45E-06	0.334	**Gsk3b**	glycogen synthase kinase 3 beta
A_51_P269634	0.003496818	0.334	**Zfp14**	zinc finger protein 14
A_30_P01022919	0.00243841	0.335		
A_66_P115389	7.55E-07	0.335		
A_52_P553316	1.81E-05	0.335	**Snrk**	SNF related kinase
A_55_P2128032	6.22E-06	0.335	**Hsf2**	heat shock factor 2
A_55_P2153740	4.59E-05	0.335		
A_51_P114634	8.45E-05	0.335	**Amz1**	archaelysin family metallopeptidase 1
A_52_P59264	8.54E-05	0.335	**Sncaip**	synuclein, alpha interacting protein (synphilin)
A_66_P106072	2.25E-06	0.336	**Orai1**	ORAI calcium release-activated calcium modulator 1
A_30_P01020749	7.52E-05	0.336		
A_51_P128499	0.000360857	0.336	**Dennd3**	DENN/MADD domain containing 3
A_51_P303725	1.57E-06	0.336	**Tmem38a**	transmembrane protein 38A
A_55_P2133840	2.79E-08	0.336	**Sipa1**	signal-induced proliferation associated gene 1
A_51_P372992	3.24E-06	0.336	**4632428N05Rik**	RIKEN cDNA 4632428N05 gene
A_30_P01020178	0.000153631	0.336		
A_30_P01032968	0.002654814	0.336		
A_51_P461894	0.001586522	0.336	**Tnnc1**	troponin C, cardiac/slow skeletal
A_30_P01017922	1.49E-05	0.336		
A_55_P2016540	1.40E-05	0.336	**Cry2**	cryptochrome 2 (photolyase-like)
A_55_P2070262	0.000155289	0.336	**Gm10621**	predicted gene 10621
A_52_P552665	5.33E-08	0.337	**Fzd7**	frizzled homolog 7 (Drosophila)
A_55_P1978089	2.89E-09	0.337	**Dcaf17**	DDB1 and CUL4 associated factor 17
A_51_P430929	2.96E-09	0.337	**Fam20a**	family with sequence similarity 20, member A
A_55_P2152771	5.81E-06	0.337	**Lhfpl2**	lipoma HMGIC fusion partner-like 2

A_55_P2076805	3.24E-06	0.337		
A_51_P117618	2.65E-05	0.337	**Ethe1**	ethylmalonic encephalopathy 1
A_30_P01020902	2.47E-05	0.337		
A_66_P107231	2.15E-06	0.337	**Loxl4**	lysyl oxidase-like 4
A_52_P138205	1.81E-07	0.337	**Plekha8**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
A_51_P278034	2.99E-07	0.337	**Ufsp1**	UFM1-specific peptidase 1
A_65_P19112	4.05E-06	0.337	**Zfp397**	zinc finger protein 397
A_51_P418056	4.04E-05	0.337	**Sc5d**	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisae)
A_55_P2002517	0.000134951	0.337	**Fhl1**	four and a half LIM domains 1
A_51_P490023	0.002800852	0.337	**Tubb2a**	tubulin, beta 2A
A_55_P2050125	2.27E-07	0.338	**Fance**	Fanconi anemia, complementation group E
A_30_P01032537	2.38E-09	0.338		
A_30_P01021716	5.24E-05	0.338		
A_55_P2128686	0.001163147	0.338	**Ccdc21**	coiled-coil domain containing 21
A_51_P123795	2.40E-09	0.338	**Zfp637**	zinc finger protein 637
A_52_P198239	1.14E-06	0.338	**Ube2u**	ubiquitin-conjugating enzyme E2U (putative)
A_51_P173692	0.000101706	0.338	**Lingo4**	leucine rich repeat and Ig domain containing 4
A_51_P240986	1.61E-06	0.338	**Plekhg6**	pleckstrin homology domain containing, family G (with RhoGef domain) member 6
A_66_P135185	4.76E-09	0.338	**Etv1**	ets variant gene 1
A_55_P2072706	4.21E-07	0.339	**Chsy1**	chondroitin sulfate synthase 1
A_51_P363214	4.16E-05	0.339	**D630045J12Rik**	RIKEN cDNA D630045J12 gene
A_66_P128931	0.0011944	0.339		
A_55_P2045697	1.78E-07	0.339	**Sirt7**	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (S. cerevisiae)
A_30_P01033385	3.66E-05	0.339		
A_51_P135357	4.65E-07	0.339	**Sike1**	suppressor of IKBKE 1
A_55_P1959828	0.00017701	0.339	**Tmem20**	transmembrane protein 20
A_55_P1952720	2.08E-07	0.339	**Kctd2**	potassium channel tetramerisation domain containing 2
A_51_P116609	0.000194157	0.339	**Tex12**	testis expressed gene 12
A_30_P01030147	7.24E-06	0.339		
A_55_P2105242	8.87E-07	0.339	**Arhgap39**	Rho GTPase activating protein 39
A_55_P1999361	1.21E-06	0.339	**Dip2a**	DIP2 disco-interacting protein 2 homolog A (Drosophila)
A_52_P197627	1.99E-05	0.340	**Umps**	uridine monophosphate synthetase
A_52_P151278	3.57E-05	0.340	**Lrch4**	leucine-rich repeats and calponin homology (CH) domain containing 4
A_51_P424561	7.06E-08	0.340	**Zfp93**	zinc finger protein 93
A_55_P2064876	1.72E-08	0.340	**Mtvr2**	mammary tumor virus receptor 2
A_55_P2095342	8.23E-08	0.340	**Rara**	retinoic acid receptor, alpha
A_55_P2005285	1.28E-07	0.340	**Klhl22**	kelch-like 22 (Drosophila)
A_51_P215097	1.98E-05	0.340	**Klf16**	Kruppel-like factor 16
A_55_P1968703	0.000344984	0.340	**Gfra2**	glial cell line derived neurotrophic factor family receptor alpha 2
A_52_P448466	0.000460901	0.340	**BC004004**	cDNA sequence BC004004
A_30_P01023927	3.60E-06	0.340		
A_55_P1958912	2.44E-05	0.340		
A_55_P1954356	4.95E-05	0.340	**Ttc23**	tetratricopeptide repeat domain 23
A_55_P2026761	0.00033305	0.340		
A_52_P471282	2.22E-06	0.340	**Fmo4**	flavin containing monooxygenase 4
A_55_P2141866	4.94E-05	0.340	**Zfp874b**	zinc finger protein 874b
A_52_P574720	4.55E-06	0.340	**Oit3**	oncoprotein induced transcript 3
A_52_P185044	5.95E-07	0.340	**Adipor2**	adiponectin receptor 2
A_30_P01030176	0.000326166	0.340		
A_55_P2377693	9.22E-05	0.340	**2310068J16Rik**	RIKEN cDNA 2310068J16 gene
A_51_P126302	0.000107138	0.340	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P2077783	0.002083445	0.341	**Tubb2a-ps2**	tubulin, beta 2a, pseudogene 2
A_55_P2023818	7.55E-06	0.341	**Cysltr1**	cysteinyl leukotriene receptor 1
A_66_P124659	0.000153273	0.341	**Mark1**	MAP/microtubule affinity-regulating kinase 1
A_55_P2419483	1.75E-05	0.341	**4732460I02Rik**	RIKEN cDNA 4732460I02 gene
A_51_P399614	1.04E-06	0.341	**Zkscan14**	zinc finger with KRAB and SCAN domains 14
A_52_P257728	2.30E-06	0.341	**Cnnm4**	cyclin M4
A_52_P594430	1.35E-07	0.341	**Anks3**	ankyrin repeat and sterile alpha motif domain containing 3
A_30_P01029377	2.59E-08	0.341		
A_55_P2118694	0.002413035	0.342	**Nkd1**	naked cuticle 1 homolog (Drosophila)
A_52_P335064	7.84E-06	0.342	**Mustn1**	musculoskeletal, embryonic nuclear protein 1
A_51_P345649	6.17E-08	0.342	**Pdgfra**	platelet derived growth factor receptor, alpha polypeptide
A_55_P2098911	3.98E-05	0.342	**Lrrcc1**	leucine rich repeat and coiled-coil domain containing 1
A_55_P2010121	3.26E-05	0.342	**Rab27b**	RAB27b, member RAS oncogene family
A_55_P2024406	1.52E-06	0.342	**Napepld**	N-acyl phosphatidylethanolamine phospholipase D
A_51_P308029	0.000168942	0.343	**2010107G23Rik**	RIKEN cDNA 2010107G23 gene
A_55_P1960197	8.44E-06	0.343	**P2ry14**	purinergic receptor P2Y, G-protein coupled, 14
A_51_P123795	4.37E-08	0.343	**Zfp637**	zinc finger protein 637
A_55_P1966327	4.01E-06	0.343		
A_51_P452798	4.16E-07	0.343	**Zfp524**	zinc finger protein 524
A_52_P613808	1.98E-06	0.343	**Zbtb7a**	zinc finger and BTB domain containing 7a
A_51_P288828	3.80E-08	0.343	**Gpr172b**	G protein-coupled receptor 172B
A_55_P2160291	0.000184403	0.343	**Olfm1**	olfactomedin 1
A_55_P2108067	4.01E-10	0.343	**Dgcr8**	DiGeorge syndrome critical region gene 8
A_55_P2089530	3.74E-06	0.343	**Fkbp10**	FK506 binding protein 10
A_51_P321965	9.13E-10	0.343	**Ssna1**	Sjogren's syndrome nuclear autoantigen 1
A_55_P2049572	8.32E-07	0.343	**Pld2**	phospholipase D2
A_52_P354123	0.002482481	0.343	**Rhebl1**	Ras homolog enriched in brain like 1
A_52_P182391	1.80E-05	0.343	**4930556M19Rik**	RIKEN cDNA 4930556M19 gene
A_52_P635271	1.89E-08	0.344	**Btbd6**	BTB (POZ) domain containing 6
A_52_P124173	0.002852434	0.344	**Zdhhc8**	zinc finger, DHHC domain containing 8
A_51_P109258	0.001230443	0.344	**Cys1**	cystin 1
A_51_P179241	1.15E-07	0.344	**Tssc4**	tumor-suppressing subchromosomal transferable fragment 4
A_55_P2039566	2.99E-06	0.344	**Arhgap23**	Rho GTPase activating protein 23
A_52_P6828	3.47E-08	0.344	**Xk**	Kell blood group precursor (McLeod phenotype) homolog
A_55_P2185489	4.51E-08	0.344	**Zfp865**	zinc finger protein 865
A_55_P2054350	1.62E-05	0.344	**Fbxo44**	F-box protein 44
A_55_P1963364	1.60E-08	0.344	**Fam55c**	family with sequence similarity 55, member C
A_52_P472319	1.53E-06	0.344	**Plxnd1**	plexin D1
A_55_P2165560	2.17E-05	0.345	**Plekhg5**	pleckstrin homology domain containing, family G (with RhoGef domain) member 5
A_51_P269687	0.0017521	0.345	**Pole2**	polymerase (DNA directed), epsilon 2 (p59 subunit)
A_52_P16877	1.09E-05	0.345	**Tmcc3**	transmembrane and coiled coil domains 3
A_66_P121459	0.000175	0.345	**Cenpa**	centromere protein A
A_51_P328883	6.60E-06	0.345	**Zfp810**	zinc finger protein 810
A_55_P2026863	5.74E-07	0.345	**Trim32**	tripartite motif-containing 32
A_30_P01023210	1.44E-07	0.345		
A_55_P2067727	6.56E-07	0.345	**Mxra7**	matrix-remodelling associated 7
A_55_P1972019	1.82E-07	0.345	**4632415L05Rik**	RRS1 ribosome biogenesis regulator homolog pseudogene
A_66_P106098	4.94E-06	0.346	**Kif3a**	kinesin family member 3A
A_55_P2032770	4.54E-06	0.346	**Inpp5e**	inositol polyphosphate-5-phosphatase E

A_65_P11504	1.40E-07	0.346	**Zfp85-rs1**	zinc finger protein 85, related sequence 1
A_55_P2025483	2.34E-05	0.346	**Rfesd**	Rieske (Fe-S) domain containing
A_30_P01031270	9.01E-05	0.346		
A_55_P2133220	0.001871828	0.346	**E130306D19Rik**	RIKEN cDNA E130306D19 gene
A_66_P138976	2.29E-05	0.346	**Lpin2**	lipin 2
A_52_P674759	1.21E-06	0.346	**Btbd3**	BTB (POZ) domain containing 3
A_66_P100696	0.000181353	0.346	**Slc26a2**	solute carrier family 26 (sulfate transporter), member 2
A_51_P134262	2.37E-08	0.346	**1700052K11Rik**	RIKEN cDNA 1700052K11 gene
A_55_P1993584	6.09E-05	0.346	**BC048609**	cDNA sequence BC048609
A_55_P2108883	1.11E-06	0.346	**AV356131**	expressed sequence AV356131
A_30_P01023264	4.35E-05	0.346		
A_51_P296528	3.20E-06	0.347	**Lass4**	LAG1 homolog, ceramide synthase 4
A_55_P1989573	2.49E-08	0.347	**Tmem175**	transmembrane protein 175
A_51_P209183	0.000986099	0.347	**Cxcl14**	chemokine (C-X-C motif) ligand 14
A_55_P2058962	0.000145981	0.347	**Mcm10**	minichromosome maintenance deficient 10 (S. cerevisiae)
A_51_P322265	2.40E-06	0.347	**Grap**	GRB2-related adaptor protein
A_55_P2122718	2.08E-06	0.347	**Gpr19**	G protein-coupled receptor 19
A_51_P494863	2.17E-09	0.347	**Vmac**	vimentin-type intermediate filament associated coiled-coil protein
A_55_P2049771	5.02E-05	0.347		
A_55_P1957855	2.39E-08	0.347		
A_52_P456977	9.82E-08	0.348	**Deaf1**	deformed epidermal autoregulatory factor 1 (Drosophila)
A_30_P01032781	0.004295958	0.348		
A_55_P2350617	1.45E-05	0.348	**Slc37a2**	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
A_66_P112551	4.96E-06	0.348	**Shf**	Src homology 2 domain containing F
A_55_P1966159	5.09E-06	0.348	**Dlg5**	discs, large homolog 5 (Drosophila)
A_55_P2046411	0.000356597	0.348		
A_55_P1992849	0.000197304	0.348	**Adrb3**	adrenergic receptor, beta 3
A_55_P2024327	2.19E-07	0.348	**Suv420h2**	suppressor of variegation 4-20 homolog 2 (Drosophila)
A_51_P438859	7.23E-05	0.348	**Pmf1**	polyamine-modulated factor 1
A_30_P01021305	0.000188831	0.348		
A_55_P1953157	1.39E-07	0.348	**2810422O20Rik**	RIKEN cDNA 2810422O20 gene
A_52_P108447	2.93E-06	0.349	**Glis2**	GLIS family zinc finger 2
A_55_P1959560	0.000117282	0.349	**5031425E22Rik**	RIKEN cDNA 5031425E22 gene
A_55_P2049138	0.000198908	0.349	**Zfp93**	zinc finger protein 93
A_30_P01025814	0.000343418	0.349		
A_55_P1984391	0.000389302	0.349	**Depdc5**	DEP domain containing 5
A_51_P455366	2.79E-05	0.349	**Ankrd27**	ankyrin repeat domain 27 (VPS9 domain)
A_55_P1976814	0.000282756	0.349		
A_55_P2151061	0.000630123	0.350	**Gm3613**	predicted gene 3613
A_51_P123795	7.33E-10	0.350	**Zfp637**	zinc finger protein 637
A_30_P01029402	0.00011142	0.350		
A_55_P1993998	6.94E-06	0.350	**Slc35d2**	solute carrier family 35, member D2
A_55_P2119897	0.002101463	0.350	**Erbb3**	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
A_55_P2143030	1.65E-05	0.350	**Timd2**	T-cell immunoglobulin and mucin domain containing 2
A_55_P2018132	1.43E-05	0.350	**Bivm**	basic, immunoglobulin-like variable motif containing
A_30_P01030566	3.37E-07	0.351		
A_30_P01029208	6.22E-05	0.351		
A_55_P2205459	9.99E-06	0.351	**Hnf1b**	HNF1 homeobox B
A_55_P2156016	3.10E-06	0.351		
A_30_P01019271	6.54E-07	0.351		
A_51_P194306	3.58E-05	0.351	**Lrrc1**	leucine rich repeat containing 1
A_51_P141521	3.26E-06	0.351	**Sap130**	Sin3A associated protein
A_52_P45841	2.96E-06	0.351	**Gorasp1**	golgi reassembly stacking protein 1
A_55_P2370210	1.96E-05	0.351	**1700025K04Rik**	RIKEN cDNA 1700025K04 gene
A_51_P369252	0.000892184	0.351	**4632434I11Rik**	RIKEN cDNA 4632434I11 gene
A_52_P81630	1.26E-05	0.352	**2810001G20Rik**	RIKEN cDNA 2810001G20 gene
A_55_P2249849	9.20E-06	0.352	**Sema6a**	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A
A_52_P39083	6.33E-08	0.352	**Ccbe1**	collagen and calcium binding EGF domains 1
A_55_P2163659	2.87E-06	0.352	**Rspo3**	R-spondin 3 homolog (Xenopus laevis)
A_55_P2073015	3.21E-08	0.352	**Lin37**	lin-37 homolog (C. elegans)
A_55_P2101088	0.001958417	0.352	**Slc5a11**	solute carrier family 5 (sodium/glucose cotransporter), member 11
A_51_P166023	3.15E-05	0.352	**Hip1**	huntingtin interacting protein 1
A_55_P2270137	3.71E-07	0.352	**B930036G03Rik**	RIKEN cDNA B930036G03 gene
A_30_P01032827	1.30E-06	0.352		
A_52_P639101	2.41E-07	0.352	**Lrrc14**	leucine rich repeat containing 14
A_55_P2048096	2.38E-06	0.352	**Mzf1**	myeloid zinc finger 1
A_55_P2020143	6.14E-08	0.352	**Slc39a3**	solute carrier family 39 (zinc transporter), member 3
A_55_P1986958	2.64E-08	0.352	**Brms1l**	breast cancer metastasis-suppressor 1-like
A_51_P105709	0.000124825	0.352	**Trip13**	thyroid hormone receptor interactor 13
A_51_P287756	4.40E-05	0.352	**Zscan2**	zinc finger and SCAN domain containing 2
A_52_P637282	3.41E-07	0.353	**Wipf1**	WAS/WASL interacting protein family, member 1
A_51_P357561	0.000138212	0.353	**Fbxw9**	F-box and WD-40 domain protein 9
A_55_P2169694	1.03E-05	0.353		
A_51_P507792	3.23E-06	0.353	**Tubgcp6**	tubulin, gamma complex associated protein 6
A_30_P01029934	9.05E-08	0.353		
A_55_P2061170	9.50E-06	0.353	**Tbc1d2**	TBC1 domain family, member 2
A_55_P2084128	6.45E-05	0.353	**C430048L16Rik**	RIKEN cDNA C430048L16 gene
A_55_P2042958	8.04E-07	0.353	**Rad50**	RAD50 homolog (S. cerevisiae)
A_55_P2038697	1.56E-05	0.353	**Zfp235**	zinc finger protein 235
A_55_P1955931	4.34E-05	0.353	**Slc25a42**	solute carrier family 25, member 42
A_52_P11174	4.26E-06	0.353	**Hip1**	huntingtin interacting protein 1
A_55_P2051139	7.56E-05	0.353	**Zfp704**	zinc finger protein 704
A_30_P01027159	2.79E-09	0.353		
A_55_P2113673	3.21E-06	0.353	**Eml1**	echinoderm microtubule associated protein like 1
A_55_P2108708	3.30E-06	0.354	**Kcne3**	potassium voltage-gated channel, Isk-related subfamily, gene 3
A_55_P2037897	1.75E-06	0.354	**Brd3**	bromodomain containing 3
A_55_P2004777	2.04E-07	0.354	**Micall2**	MICAL-like 2
A_55_P2063755	0.002371997	0.354	**Naip6**	NLR family, apoptosis inhibitory protein 6
A_51_P214825	3.43E-07	0.354	**Orc5**	origin recognition complex, subunit 5
A_55_P2054708	0.004219262	0.354		
A_55_P1970810	2.42E-05	0.354	**Agpat2**	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
A_30_P01024533	0.000517991	0.354		
A_55_P1957378	2.25E-05	0.354	**Unc119**	unc-119 homolog (C. elegans)
A_55_P2179314	3.72E-08	0.354	**Macrod2**	MACRO domain containing 2
A_51_P105709	3.34E-05	0.354	**Trip13**	thyroid hormone receptor interactor 13
A_55_P2020306	2.79E-07	0.354	**Aasdh**	aminoadipate-semialdehydedehydrogenase
A_55_P2169124	6.36E-06	0.354	**C730048C13Rik**	RIKEN cDNA C730048C13 gene
A_55_P2075515	1.31E-05	0.354	**5430405H02Rik**	RIKEN cDNA 5430405H02 gene
A_66_P117058	7.28E-07	0.354	**Aasdh**	aminoadipate-semialdehydedehydrogenase
A_51_P307220	9.19E-08	0.355	**Ankrd54**	ankyrin repeat domain 54

A_55_P2077872	3.42E-07	0.355	**Deaf1**	deformed epidermal autoregulatory factor 1 (Drosophila)
A_30_P01029719	0.000136306	0.355		
A_30_P01030334	0.00043217	0.355		
A_55_P2086825	2.45E-06	0.355	**Rgl3**	ral guanine nucleotide dissociation stimulator-like 3
A_55_P2081560	9.28E-07	0.355	**Phf20**	PHD finger protein 20
A_55_P1954633	2.85E-06	0.355		
A_30_P01021448	0.000491855	0.355		
A_55_P2155347	7.07E-05	0.355	**Grk4**	G protein-coupled receptor kinase 4
A_52_P340669	0.003562612	0.356	**Bhlha15**	basic helix-loop-helix family, member a15
A_52_P219266	0.000172628	0.356	**Frmd8**	FERM domain containing 8
A_51_P107020	0.000230433	0.356	**Kif5a**	kinesin family member 5A
A_51_P389988	7.25E-05	0.356	**Slc40a1**	solute carrier family 40 (iron-regulated transporter), member 1
A_55_P2036547	8.13E-05	0.356	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_55_P1973965	4.96E-07	0.356	**Ppp1r13b**	protein phosphatase 1, regulatory (inhibitor) subunit 13B
A_52_P663600	4.87E-05	0.356	**Pak1**	p21 protein (Cdc42/Rac)-activated kinase 1
A_55_P2142202	0.000493365	0.356		
A_51_P435339	4.76E-06	0.356	**Epor**	erythropoietin receptor
A_51_P155085	0.00301851	0.356	**Dennd2a**	DENN/MADD domain containing 2A
A_52_P234354	2.33E-07	0.357	**Hic2**	hypermethylated in cancer 2
A_51_P201971	5.88E-05	0.357	**Setd8**	SET domain containing (lysine methyltransferase) 8
A_55_P2106434	3.70E-05	0.357	**Zfp114**	zinc finger protein 114
A_30_P01020137	1.38E-07	0.357		
A_30_P01031417	2.38E-08	0.357		
A_55_P2147160	7.92E-09	0.357		
A_55_P2019615	1.88E-08	0.357		
A_52_P441044	0.000134894	0.357	**Rfxap**	regulatory factor X-associated protein
A_55_P2075523	6.79E-05	0.357	**Anapc7**	anaphase promoting complex subunit 7
A_55_P2129311	1.40E-08	0.358	**2210016L21Rik**	RIKEN cDNA 2210016L21 gene
A_55_P2013630	0.00095291	0.358		
A_30_P01031077	0.000450557	0.358		
A_52_P104562	1.15E-07	0.358	**Lipt1**	lipoyltransferase 1
A_30_P01029176	1.97E-06	0.358		
A_52_P819156	0.000936041	0.358		
A_55_P2334942	0.001426008	0.358	**1700093J21Rik**	RIKEN cDNA 1700093J21 gene
A_51_P482043	3.73E-08	0.358	**Epm2aip1**	EPM2A (laforin) interacting protein 1
A_51_P516637	3.24E-07	0.358	**Bmp5**	bone morphogenetic protein 5
A_30_P01032661	8.60E-05	0.358		
A_52_P168575	8.69E-06	0.359	**Fam169b**	family with sequence similarity 169, member B
A_51_P447866	0.000134465	0.359	**Sash3**	SAM and SH3 domain containing 3
A_51_P199608	1.36E-07	0.359	**Ttll1**	tubulin tyrosine ligase-like 1
A_51_P114456	2.74E-06	0.359	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_55_P2373121	8.69E-07	0.359	**Dcaf17**	DDB1 and CUL4 associated factor 17
A_55_P2161585	4.16E-08	0.359	**Coq10a**	coenzyme Q10 homolog A (yeast)
A_52_P538709	7.47E-06	0.359	**Tada3**	transcriptional adaptor 3
A_55_P2005685	0.000187109	0.359		
A_55_P2037702	0.000149156	0.359	**Gm10638**	predicted gene 10638
A_52_P673863	0.000115582	0.359	**Cdkn1b**	cyclin-dependent kinase inhibitor 1B
A_51_P109881	5.27E-06	0.359		
A_30_P01027458	0.000238561	0.359		
A_55_P2155942	1.75E-08	0.359	**Ezh1**	enhancer of zeste homolog 1 (Drosophila)
A_30_P01021475	0.000766611	0.359		
A_30_P01021218	0.000443402	0.359		
A_55_P1963300	0.000155305	0.359	**Vsig10**	V-set and immunoglobulin domain containing 10
A_51_P361220	5.68E-07	0.359	**Fzd4**	frizzled homolog 4 (Drosophila)
A_52_P589119	2.22E-05	0.360	**5930416I19Rik**	RIKEN cDNA 5930416I19 gene
A_55_P2095108	0.000335275	0.360	**A430033K04Rik**	RIKEN cDNA A430033K04 gene
A_52_P432919	9.44E-08	0.360	**Rab3d**	RAB3D, member RAS oncogene family
A_51_P261107	1.21E-07	0.360	**Ogt**	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylgluc
A_30_P01027946	0.000793546	0.360		
A_66_P127458	1.79E-07	0.360	**Zfp652**	zinc finger protein 652
A_51_P128499	0.000119335	0.360	**Dennd3**	DENN/MADD domain containing 3
A_51_P299805	1.86E-07	0.360	**Slc46a3**	solute carrier family 46, member 3
A_52_P1831	4.01E-06	0.360	**Zfp60**	zinc finger protein 60
A_55_P2011545	2.71E-06	0.360	**Pyroxd1**	pyridine nucleotide-disulphide oxidoreductase domain 1
A_55_P1965592	4.18E-07	0.360	**Commd7**	COMM domain containing 7
A_52_P297457	1.27E-07	0.360	**0610030E20Rik**	RIKEN cDNA 0610030E20 gene
A_51_P128499	5.75E-05	0.360	**Dennd3**	DENN/MADD domain containing 3
A_52_P337427	7.83E-05	0.361	**Izumo4**	IZUMO family member 4
A_55_P2112125	5.28E-07	0.361	**Tnk2**	tyrosine kinase, non-receptor, 2
A_55_P1955108	4.71E-07	0.361	**Fam65a**	family with sequence similarity 65, member A
A_55_P2059904	1.88E-06	0.361	**Chsy1**	chondroitin sulfate synthase 1
A_52_P360112	0.002587334	0.361	**Clip2**	CAP-GLY domain containing linker protein 2
A_52_P284889	6.59E-06	0.361	**Prkcz**	protein kinase C, zeta
A_55_P1996653	4.37E-05	0.361	**D030056L22Rik**	RIKEN cDNA D030056L22 gene
A_52_P255250	0.000157415	0.361	**Rnf103**	ring finger protein 103
A_51_P435817	1.32E-06	0.362	**Zbtb8a**	zinc finger and BTB domain containing 8a
A_51_P122649	0.000345037	0.362	**Degs2**	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase
A_55_P2158458	3.02E-07	0.362	**Iqcc**	IQ motif containing C
A_30_P01020868	0.000681219	0.362		
A_51_P114634	0.000218915	0.362	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1972842	4.24E-06	0.362	**Klf3**	Kruppel-like factor 3 (basic)
A_52_P84096	0.000279873	0.362	**Pgd**	phosphogluconate dehydrogenase
A_51_P365980	5.77E-06	0.362	**2310022B05Rik**	RIKEN cDNA 2310022B05 gene
A_52_P252258	4.73E-06	0.362	**Mapk12**	mitogen-activated protein kinase 12
A_52_P470401	1.28E-07	0.362	**Tmem186**	transmembrane protein 186
A_66_P108263	4.54E-05	0.363	**Pwwp2a**	PWWP domain containing 2A
A_51_P400016	2.88E-05	0.363		
A_55_P2144796	6.62E-08	0.363	**Gfer**	growth factor, erv1 (S. cerevisiae)-like (augmenter of liver regeneration)
A_55_P2455725	5.44E-08	0.364	**Klhl20**	kelch-like 20 (Drosophila)
A_55_P2368710	0.003881883	0.364	**C230037E05Rik**	RIKEN cDNA C230037E05 gene
A_51_P124606	1.15E-08	0.364	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_55_P1988882	2.15E-05	0.364	**Sept9**	septin 9
A_51_P334789	9.36E-07	0.364	**Nudt16**	nudix (nucleoside diphosphate linked moiety X)-type motif 16
A_55_P2082826	6.88E-08	0.364	**Fam160b1**	family with sequence similarity 160, member B1
A_51_P274124	2.37E-05	0.364	**Mansc1**	MANSC domain containing 1
A_55_P2014066	6.25E-08	0.364		
A_55_P2027788	5.16E-06	0.364	**Baiap2**	brain-specific angiogenesis inhibitor 1-associated protein 2
A_55_P1975732	2.24E-06	0.364	**Sipa1l3**	signal-induced proliferation-associated 1 like 3
A_55_P2161958	2.17E-07	0.365	**Gm10324**	predicted gene 10324
A_55_P2102887	6.26E-05	0.365	**Zfp28**	zinc finger protein 28

A_55_P2011467	2.07E-08	0.365		
A_51_P219061	8.13E-08	0.365	**Oxa1l**	oxidase assembly 1-like
A_30_P01026775	1.39E-05	0.365		
A_55_P2159890	5.08E-08	0.365	**Zbtb7a**	zinc finger and BTB domain containing 7a
A_55_P2298319	5.35E-06	0.365	**C730029A08Rik**	RIKEN cDNA C730029A08 gene
A_30_P01030123	0.000164222	0.365		
A_55_P1990964	1.11E-07	0.365	**Osbpl11**	oxysterol binding protein-like 11
A_55_P2059357	4.04E-07	0.365	**Myo7a**	myosin VIIA
A_30_P01018964	4.36E-06	0.365		
A_55_P2059347	1.03E-06	0.365	**Ormdl3**	ORM1-like 3 (S. cerevisiae)
A_52_P255849	3.58E-06	0.365	**Fam57a**	family with sequence similarity 57, member A
A_55_P1980180	2.97E-05	0.365	**Tardbp**	TAR DNA binding protein
A_51_P114634	4.08E-05	0.365	**Amz1**	archaelysin family metallopeptidase 1
A_52_P282500	1.29E-05	0.365	**Kif21b**	kinesin family member 21B
A_51_P230439	1.91E-06	0.365	**Ppfibp2**	PTPRF interacting protein, binding protein 2 (liprin beta 2)
A_51_P466829	6.17E-06	0.365	**Fam109a**	family with sequence similarity 109, member A
A_30_P01027275	5.51E-05	0.365		
A_55_P1970826	0.000215426	0.365	**Adamts5**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase
A_30_P01028309	1.11E-06	0.365		
A_55_P1959938	5.81E-07	0.365	**Pde7b**	phosphodiesterase 7B
A_55_P2153141	1.14E-05	0.366		
A_51_P114456	2.50E-05	0.366	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_55_P2083889	1.58E-06	0.366	**Pea15a**	phosphoprotein enriched in astrocytes 15A
A_55_P2078088	6.42E-07	0.366	**Pqlc1**	PQ loop repeat containing 1
A_51_P430552	3.54E-06	0.366	**G6pc3**	glucose 6 phosphatase, catalytic, 3
A_55_P2184751	2.14E-05	0.366	**Eif2c1**	eukaryotic translation initiation factor 2C, 1
A_55_P1979616	3.83E-05	0.366	**Tmem189**	transmembrane protein 189
A_30_P01018279	0.00025991	0.366		
A_55_P2151986	1.64E-05	0.366	**Gngt2**	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2
A_55_P2097553	1.06E-06	0.366	**C77080**	expressed sequence C77080
A_55_P2029791	0.000286943	0.366		
A_55_P2066827	2.34E-07	0.366	**Hexim2**	hexamthylene bis-acetamide inducible 2
A_51_P411130	7.68E-09	0.366	**2810432D09Rik**	RIKEN cDNA 2810432D09 gene
A_51_P100776	3.78E-05	0.367	**Zfp169**	zinc finger protein 169
A_55_P2065154	0.00016191	0.367	**Kdm2b**	lysine (K)-specific demethylase 2B
A_52_P141488	0.002614575	0.367	**Grk5**	G protein-coupled receptor kinase 5
A_52_P221776	3.68E-05	0.367	**Kif12**	kinesin family member 12
A_51_P164939	6.75E-08	0.367	**Tmem150a**	transmembrane protein 150A
A_55_P1977353	1.60E-08	0.367	**Ogfod2**	2-oxoglutarate and iron-dependent oxygenase domain containing 2
A_55_P1993599	6.33E-09	0.367	**Oaz2-ps**	ornithine decarboxylase antizyme 2, pseudogene
A_51_P510106	0.001461832	0.367	**B3gntl1**	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1
A_51_P256384	0.002777398	0.367	**Atp2b2**	ATPase, Ca++ transporting, plasma membrane 2
A_55_P2373987	0.000918146	0.367	**A730009E18Rik**	RIKEN cDNA A730009E18 gene
A_30_P01032512	6.49E-06	0.367		
A_51_P229363	0.000190014	0.367	**Rg9mtd3**	RNA (guanine-9-) methyltransferase domain containing 3
A_55_P2099540	3.00E-05	0.368	**H2afj**	H2A histone family, member J
A_55_P2128646	3.28E-05	0.368	**Gmnn**	geminin
A_30_P01018321	6.78E-07	0.368		
A_55_P2083654	2.07E-05	0.368	**Prmt2**	protein arginine N-methyltransferase 2
A_52_P111031	0.000157004	0.368	**Pcdh17**	protocadherin 17
A_55_P2061159	3.80E-07	0.368	**Ing1**	inhibitor of growth family, member 1
A_51_P256957	1.24E-06	0.368	**Ankmy2**	ankyrin repeat and MYND domain containing 2
A_51_P124606	1.51E-07	0.368	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_51_P105709	0.000248384	0.368	**Trip13**	thyroid hormone receptor interactor 13
A_66_P138363	0.000171988	0.369		
A_30_P01017538	2.62E-05	0.369		
A_30_P01022612	6.99E-07	0.369		
A_51_P124606	9.91E-09	0.369	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_55_P2025820	0.000124327	0.369	**Plcb4**	phospholipase C, beta 4
A_55_P2026930	0.000590052	0.369	**Inpp5e**	inositol polyphosphate-5-phosphatase E
A_55_P2156288	2.84E-05	0.369		
A_51_P232551	3.38E-06	0.369	**Nphp3**	nephronophthisis 3 (adolescent)
A_51_P128499	3.65E-05	0.370	**Dennd3**	DENN/MADD domain containing 3
A_52_P591153	0.000454276	0.370	**Pld4**	phospholipase D family, member 4
A_55_P2085806	2.22E-05	0.370	**BC029214**	cDNA sequence BC029214
A_51_P101075	1.41E-05	0.370	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_51_P105709	2.92E-05	0.370	**Trip13**	thyroid hormone receptor interactor 13
A_51_P153693	0.00070287	0.370	**Utp14b**	UTP14, U3 small nucleolar ribonucleoprotein, homolog B (yeast)
A_51_P116609	0.000209627	0.370	**Tex12**	testis expressed gene 12
A_51_P247637	0.000296559	0.370	**Rnf144a**	ring finger protein 144A
A_55_P2009895	6.30E-05	0.370	**Gm5113**	predicted gene 5113
A_52_P213696	0.000884932	0.370	**Fndc5**	fibronectin type III domain containing 5
A_55_P1964375	1.79E-07	0.370	**Gm9731**	Fam58a pseudogene
A_55_P1999852	9.82E-06	0.371	**Tchp**	trichoplein, keratin filament binding
A_55_P1989544	2.06E-05	0.371	**Cklf**	chemokine-like factor
A_51_P155843	7.19E-06	0.371	**Igsf10**	immunoglobulin superfamily, member 10
A_55_P2095271	5.80E-05	0.371	**Pkn3**	protein kinase N3
A_51_P264634	2.55E-07	0.371	**Strbp**	spermatid perinuclear RNA binding protein
A_30_P01031870	7.09E-08	0.371		
A_52_P367520	0.000152016	0.371	**Nexn**	nexilin
A_52_P75146	1.15E-06	0.371	**Lyrm2**	LYR motif containing 2
A_55_P2179726	6.15E-06	0.371	**2810422O20Rik**	RIKEN cDNA 2810422O20 gene
A_55_P1986486	9.71E-07	0.372	**Gtf2ird1**	general transcription factor II I repeat domain-containing 1
A_51_P175229	3.18E-05	0.372	**Fbxl18**	F-box and leucine-rich repeat protein 18
A_51_P284244	1.98E-05	0.372	**Tmed3**	transmembrane emp24 domain containing 3
A_52_P380263	9.63E-05	0.372	**Podxl**	podocalyxin-like
A_55_P2060498	3.75E-06	0.372	**Zfp553**	zinc finger protein 553
A_66_P111301	1.28E-09	0.372	**2810021B07Rik**	RIKEN cDNA 2810021B07 gene
A_55_P1971991	2.24E-06	0.372	**1810019J16Rik**	RIKEN cDNA 1810019J16 gene
A_55_P2257381	0.001715643	0.372	**LOC100503619**	hypothetical LOC100503619
A_55_P2060330	3.03E-07	0.372	**3110062M04Rik**	RIKEN cDNA 3110062M04 gene
A_30_P01023038	3.45E-09	0.372		
A_55_P2053320	7.68E-05	0.372	**Zfr2**	zinc finger RNA binding protein 2
A_55_P2228710	1.82E-05	0.372	**5730422E09Rik**	RIKEN cDNA 5730422E09 gene
A_55_P1989384	6.53E-07	0.372	**Rnf181**	ring finger protein 181
A_52_P165521	0.000951243	0.372	**Fancg**	Fanconi anemia, complementation group G
A_55_P2047215	0.000285059	0.372	**Slc37a4**	solute carrier family 37 (glucose-6-phosphate transporter), member 4
A_55_P1966992	0.002561423	0.372	**Fam84b**	family with sequence similarity 84, member B
A_51_P126337	0.00094467	0.372	**Fgf12**	fibroblast growth factor 12
A_55_P1976224	8.81E-06	0.373	**Ckb**	creatine kinase, brain

A_52_P891775	5.56E-08	0.373	**Cdr2l**	cerebellar degeneration-related protein 2-like
A_30_P01029117	6.17E-06	0.373		
A_52_P128691	0.000106689	0.373	**Gpr4**	G protein-coupled receptor 4
A_51_P438149	3.77E-07	0.373	**Mapre2**	microtubule-associated protein, RP/EB family, member 2
A_51_P114634	0.000686983	0.373	**Amz1**	archaelysin family metallopeptidase 1
A_30_P01018499	2.11E-05	0.373		
A_55_P2007001	6.53E-06	0.373	**Ctnnbip1**	catenin beta interacting protein 1
A_55_P2031979	5.84E-05	0.373	**Sspn**	sarcospan
A_51_P392705	2.89E-07	0.374	**Xpc**	xeroderma pigmentosum, complementation group C
A_55_P2068406	0.001703946	0.374	**2410018L13Rik**	RIKEN cDNA 2410018L13 gene
A_55_P2038747	1.87E-07	0.374	**Ano1**	anoctamin 1, calcium activated chloride channel
A_30_P01018408	0.000545079	0.374		
A_66_P117578	0.0003037	0.374	**Mtmr7**	myotubularin related protein 7
A_52_P66371	1.37E-05	0.374	**Nlrx1**	NLR family member X1
A_55_P2385749	4.30E-06	0.375	**A130014A01Rik**	RIKEN cDNA A130014A01 gene
A_30_P01025991	1.24E-06	0.375		
A_55_P2105888	2.52E-06	0.375	**G6pc3**	glucose 6 phosphatase, catalytic, 3
A_55_P2092760	1.02E-08	0.375	**Rhbdd3**	rhomboid domain containing 3
A_55_P1955472	3.64E-06	0.375	**Bbs1**	Bardet-Biedl syndrome 1 (human)
A_51_P109369	0.000672283	0.375	**Fbxo32**	F-box protein 32
A_55_P2057247	8.54E-05	0.375	**Etohi1**	ethanol induced 1
A_51_P124606	8.49E-08	0.375	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_55_P2065866	4.50E-06	0.375	**Cygb**	cytoglobin
A_30_P01025316	1.49E-06	0.375		
A_55_P1961400	6.61E-05	0.375	**Grid2ip**	glutamate receptor, ionotropic, delta 2 (Grid2) interacting protein 1
A_30_P01031506	0.000224209	0.375		
A_30_P01020344	1.22E-05	0.375		
A_51_P317225	5.68E-05	0.375	**Cmtm2a**	CKLF-like MARVEL transmembrane domain containing 2A
A_51_P116609	0.002719389	0.375	**Tex12**	testis expressed gene 12
A_51_P110341	0.000234727	0.376	**Scgb3a1**	secretoglobin, family 3A, member 1
A_52_P577662	2.84E-06	0.376	**Ednrb**	endothelin receptor type B
A_30_P01031208	0.003295686	0.376		
A_30_P01027362	0.000142691	0.376		
A_51_P124606	2.44E-09	0.376	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_52_P250555	0.001191368	0.376	**Dynll1**	dynein light chain LC8-type 1
A_51_P114634	0.000240483	0.376	**Amz1**	archaelysin family metallopeptidase 1
A_52_P370473	1.45E-07	0.376		
A_55_P2403135	1.35E-05	0.376	**Ssh2**	slingshot homolog 2 (Drosophila)
A_66_P118600	6.09E-06	0.376	**Lama1**	laminin, alpha 1
A_51_P315666	3.44E-05	0.377	**Nid2**	nidogen 2
A_30_P01029728	4.03E-05	0.377		
A_51_P104891	3.09E-10	0.377	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P105709	0.000608836	0.377	**Trip13**	thyroid hormone receptor interactor 13
A_55_P2071472	0.000167113	0.377	**Atf1**	activating transcription factor 1
A_51_P268343	4.96E-08	0.377	**Aagab**	alpha- and gamma-adaptin binding protein
A_55_P2081697	0.000263989	0.377	**A830093I24Rik**	RIKEN cDNA A830093I24 gene
A_30_P01028509	5.50E-06	0.377		
A_55_P2078073	8.87E-08	0.377	**Pqlc2**	PQ loop repeat containing 2
A_52_P604515	3.49E-07	0.377	**Zfp319**	zinc finger protein 319
A_55_P1953327	8.58E-05	0.377		
A_51_P114634	0.00036607	0.377	**Amz1**	archaelysin family metallopeptidase 1
A_51_P114456	1.55E-05	0.377	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_51_P267494	1.98E-05	0.377	**Cdc42ep3**	CDC42 effector protein (Rho GTPase binding) 3
A_30_P01029729	3.43E-05	0.377		
A_52_P222967	5.82E-07	0.377	**Adck2**	aarF domain containing kinase 2
A_52_P397204	2.16E-05	0.377	**Csk**	c-src tyrosine kinase
A_55_P2260648	1.85E-07	0.378		
A_51_P208870	1.71E-05	0.378	**Zdhhc24**	zinc finger, DHHC domain containing 24
A_55_P1954061	2.44E-06	0.378	**Nrxn2**	neurexin II
A_51_P259750	4.37E-05	0.378		
A_55_P2156895	4.73E-07	0.378	**Tmem39b**	transmembrane protein 39b
A_55_P2143693	8.14E-05	0.378	**Sytl1**	synaptotagmin-like 1
A_52_P378765	2.60E-05	0.378	**Ccdc111**	coiled-coil domain containing 111
A_55_P2172852	2.58E-06	0.378	**Ptplad2**	protein tyrosine phosphatase-like A domain containing 2
A_30_P01028367	1.06E-05	0.378		
A_52_P10181	0.000220764	0.378	**Mmaa**	methylmalonic aciduria (cobalamin deficiency) type A
A_51_P400217	0.000285542	0.378	**Vpreb1**	pre-B lymphocyte gene 1
A_30_P01031130	3.47E-06	0.378		
A_55_P2027653	0.000159126	0.378	**Arhgap25**	Rho GTPase activating protein 25
A_51_P358243	4.27E-07	0.378	**2610029I01Rik**	RIKEN cDNA 2610029I01 gene
A_51_P386389	2.51E-06	0.378	**Actr6**	ARP6 actin-related protein 6 homolog (yeast)
A_51_P104891	1.28E-10	0.378	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2429432	1.28E-07	0.378	**2610301B20Rik**	RIKEN cDNA 2610301B20 gene
A_52_P38627	0.002654688	0.379	**Egf**	epidermal growth factor
A_51_P337708	0.00435518	0.379	**Ovgp1**	oviductal glycoprotein 1
A_55_P2167999	2.47E-05	0.379	**Ldlr**	low density lipoprotein receptor
A_55_P2052690	0.001039382	0.379	**Synm**	synemin, intermediate filament protein
A_55_P2124676	1.82E-07	0.379	**Epm2aip1**	EPM2A (laforin) interacting protein 1
A_51_P104891	1.02E-07	0.379	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2149269	7.19E-06	0.379	**Galt**	galactose-1-phosphate uridyl transferase
A_51_P101075	7.96E-06	0.379	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_52_P385206	2.97E-07	0.379	**Harbi1**	harbinger transposase derived 1
A_55_P2096737	9.59E-05	0.379	**Elmod3**	ELMO/CED-12 domain containing 3
A_30_P01032565	0.000738524	0.380		
A_55_P1978122	2.10E-05	0.380	**Mutyh**	mutY homolog (E. coli)
A_55_P2145680	0.000737801	0.380	**Rilpl1**	Rab interacting lysosomal protein-like 1
A_55_P2094852	1.20E-07	0.380	**Rabep1**	rabaptin, RAB GTPase binding effector protein 1
A_30_P01023450	1.47E-08	0.380		
A_55_P2120919	0.002337293	0.380		
A_51_P118779	3.00E-05	0.380	**C330006K01Rik**	RIKEN cDNA C330006K01 gene
A_55_P2145696	4.12E-07	0.380	**Leprel4**	leprecan-like 4
A_51_P104891	1.59E-08	0.380	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2075313	1.77E-07	0.380	**Zfp619**	zinc finger protein 619
A_55_P2175190	3.24E-07	0.380	**Cep250**	centrosomal protein 250
A_51_P104891	2.21E-09	0.380	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P104891	6.94E-09	0.381	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2030958	1.63E-05	0.381	**2610301B20Rik**	RIKEN cDNA 2610301B20 gene
A_51_P114456	1.16E-06	0.381	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_52_P483928	6.37E-05	0.381	**Cpsf4**	cleavage and polyadenylation specific factor 4
A_55_P2111394	0.001707112	0.381	**Ccdc48**	coiled-coil domain containing 48

A_52_P176619	2.63E-09	0.381	**Atat1**	alpha tubulin acetyltransferase 1
A_51_P116609	0.001005354	0.381	**Tex12**	testis expressed gene 12
A_30_P01018931	2.74E-05	0.381		
A_30_P01023507	1.99E-05	0.381		
A_51_P101075	8.06E-06	0.381	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2156823	0.000189847	0.382	**Pms2**	postmeiotic segregation increased 2 (S. cerevisiae)
A_51_P342707	7.09E-06	0.382	**Pold2**	polymerase (DNA directed), delta 2, regulatory subunit
A_55_P2007776	3.09E-06	0.382	**Catsper2**	cation channel, sperm associated 2
A_51_P493037	0.000141044	0.382	**Dclre1a**	DNA cross-link repair 1A, PSO2 homolog (S. cerevisiae)
A_51_P102507	1.71E-06	0.382	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_55_P1954486	0.000333617	0.382	**Mapt**	microtubule-associated protein tau
A_52_P371135	5.19E-06	0.382	**C130050O18Rik**	RIKEN cDNA C130050O18 gene
A_55_P2078403	2.03E-05	0.382	**Rgs19**	regulator of G-protein signaling 19
A_55_P2170309	1.14E-05	0.382	**Ppfibp2**	PTPRF interacting protein, binding protein 2 (liprin beta 2)
A_52_P27075	9.05E-06	0.382	**0610040B10Rik**	RIKEN cDNA 0610040B10 gene
A_52_P588539	1.92E-07	0.383	**Snapin**	SNAP-associated protein
A_30_P01017592	0.000204362	0.383		
A_52_P546660	9.85E-06	0.383	**1700029I15Rik**	RIKEN cDNA 1700029I15 gene
A_55_P1963344	1.81E-06	0.383	**Upf3b**	UPF3 regulator of nonsense transcripts homolog B (yeast)
A_55_P2153560	4.03E-05	0.383		
A_30_P01032333	0.003693715	0.383		
A_51_P154534	7.79E-07	0.383	**Muted**	muted
A_51_P124606	1.08E-06	0.383	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_55_P2047753	1.91E-05	0.383	**Tec**	tec protein tyrosine kinase
A_55_P2175955	0.001774154	0.383	**Ano9**	anoctamin 9
A_51_P427476	1.74E-06	0.383	**Mxra8**	matrix-remodelling associated 8
A_51_P233947	6.76E-07	0.383	**Tbc1d10b**	TBC1 domain family, member 10b
A_55_P2041788	6.05E-07	0.383	**Gna12**	guanine nucleotide binding protein, alpha 12
A_30_P01030815	0.00016115	0.384		
A_51_P514405	0.000517431	0.384	**Slc2a5**	solute carrier family 2 (facilitated glucose transporter), member 5
A_51_P348183	3.35E-08	0.384	**Tmem141**	transmembrane protein 141
A_55_P2053459	1.76E-05	0.384	**Timd2**	T-cell immunoglobulin and mucin domain containing 2
A_51_P104891	6.81E-08	0.384	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_52_P243516	2.60E-05	0.384	**Fam82a1**	family with sequence similarity 82, member A1
A_55_P2050592	8.40E-07	0.384		
A_55_P1968718	5.79E-05	0.385	**Plekha6**	pleckstrin homology domain containing, family A member 6
A_55_P2129172	0.000338832	0.385	**Rab40b**	Rab40b, member RAS oncogene family
A_55_P2058851	1.64E-06	0.385	**Fancf**	Fanconi anemia, complementation group F
A_51_P497402	3.04E-07	0.385	**Tonsl**	tonsoku-like, DNA repair protein
A_55_P2062836	4.41E-09	0.385	**Ttf2**	transcription termination factor, RNA polymerase II
A_30_P01027147	0.001249224	0.385		
A_55_P2158478	1.50E-06	0.385	**Nkiras2**	NFKB inhibitor interacting Ras-like protein 2
A_30_P01020805	0.000114965	0.385		
A_52_P152631	1.17E-05	0.385	**Tmem17**	transmembrane protein 17
A_65_P07062	5.18E-09	0.385	**Serf2**	small EDRK-rich factor 2
A_51_P470311	2.22E-07	0.385	**Cby1**	chibby homolog 1 (Drosophila)
A_51_P101075	5.00E-06	0.385	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_30_P01026761	6.33E-07	0.386		
A_30_P01019577	5.75E-05	0.386		
A_52_P187940	0.000180718	0.386	**Lfng**	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_51_P143468	6.23E-05	0.386	**Klhl26**	kelch-like 26 (Drosophila)
A_55_P2075230	1.22E-05	0.386	**BC051226**	cDNA sequence BC051226
A_55_P2017640	1.29E-07	0.386	**Phf7**	PHD finger protein 7
A_52_P349467	8.14E-06	0.386	**Tmlhe**	trimethyllysine hydroxylase, epsilon
A_52_P193194	2.77E-05	0.386	**Slc35d2**	solute carrier family 35, member D2
A_52_P300445	0.000521459	0.386	**Atp4a**	ATPase, H+/K+ exchanging, gastric, alpha polypeptide
A_55_P2160143	4.45E-06	0.386		
A_52_P336290	1.56E-08	0.386	**Rap2a**	RAS related protein 2a
A_51_P170911	7.91E-06	0.386	**Ptpn9**	protein tyrosine phosphatase, non-receptor type 9
A_51_P105709	0.000326784	0.386	**Trip13**	thyroid hormone receptor interactor 13
A_51_P382121	3.32E-08	0.386	**Ormdl1**	ORM1-like 1 (S. cerevisiae)
A_30_P01018953	9.93E-07	0.386		
A_52_P590396	0.000151802	0.386	**Sort1**	sortilin 1
A_55_P1959174	0.000278437	0.386	**Pmepa1**	prostate transmembrane protein, androgen induced 1
A_55_P2095345	8.99E-07	0.386	**Rara**	retinoic acid receptor, alpha
A_51_P165098	7.25E-06	0.387	**Gga2**	golgi associated, gamma adaptin ear containing, ARF binding protein 2
A_55_P2401084	1.26E-05	0.387	**4930558N01Rik**	RIKEN cDNA 4930558N01 gene
A_66_P101261	0.00036634	0.387	**Gm3367**	predicted gene 3367
A_55_P2116917	0.001329278	0.387	**Zfp219**	zinc finger protein 219
A_55_P1954266	5.45E-07	0.387	**Zfp672**	zinc finger protein 672
A_55_P2059765	2.95E-07	0.387		
A_55_P1995417	3.10E-06	0.387	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2133577	1.71E-06	0.387	**C030034I22Rik**	RIKEN cDNA C030034I22 gene
A_55_P2102095	0.001418927	0.387	**1810010H24Rik**	RIKEN cDNA 1810010H24 gene
A_51_P101075	3.28E-06	0.387	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2179448	4.02E-06	0.387		
A_55_P2074197	1.57E-05	0.387	**Zbtb24**	zinc finger and BTB domain containing 24
A_51_P427516	9.55E-07	0.387	**Thsd1**	thrombospondin, type I, domain 1
A_55_P2100290	0.001070541	0.387	**Adra1b**	adrenergic receptor, alpha 1b
A_51_P476261	4.91E-07	0.387	**Zfp120**	zinc finger protein 120
A_52_P516091	4.14E-06	0.387	**Pla2g15**	phospholipase A2, group XV
A_51_P114634	7.73E-05	0.388	**Amz1**	archaelysin family metallopeptidase 1
A_51_P116609	0.000361258	0.388	**Tex12**	testis expressed gene 12
A_55_P1954850	4.56E-08	0.388	**Pars2**	prolyl-tRNA synthetase (mitochondrial)(putative)
A_55_P2101001	2.95E-07	0.388	**Smad3**	MAD homolog 3 (Drosophila)
A_51_P101075	5.36E-06	0.388	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2186122	1.78E-05	0.388		
A_30_P01021296	0.00014097	0.388		
A_51_P227445	0.001995198	0.388		
A_52_P120740	2.48E-08	0.388	**0610030E20Rik**	RIKEN cDNA 0610030E20 gene
A_55_P2013598	2.23E-08	0.388	**Fam58b**	family with sequence similarity 58, member B
A_51_P467505	2.47E-05	0.388	**Tec**	tec protein tyrosine kinase
A_51_P513311	2.25E-07	0.388	**Rxrg**	retinoid X receptor gamma
A_51_P307316	1.62E-06	0.388	**Syde1**	synapse defective 1, Rho GTPase, homolog 1 (C. elegans)
A_51_P485421	0.00019449	0.388		
A_51_P104891	2.14E-09	0.388	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_30_P01029791	0.001626295	0.388		
A_55_P2046605	0.000509857	0.389	**1700030C10Rik**	RIKEN cDNA 1700030C10 gene
A_51_P126337	0.00064007	0.389	**Fgf12**	fibroblast growth factor 12
A_51_P232474	0.000347671	0.389	**Zswim1**	zinc finger, SWIM domain containing 1

A_55_P1983588	6.76E-05	0.389	**Pmepa1**	prostate transmembrane protein, androgen induced 1
A_65_P08867	0.000741749	0.389	**Zbtb37**	zinc finger and BTB domain containing 37
A_52_P521882	3.16E-05	0.389	**Hddc3**	HD domain containing 3
A_55_P2103969	0.000183405	0.389		
A_52_P550932	1.48E-06	0.389	**H1f0**	H1 histone family, member 0
A_51_P102507	6.80E-08	0.389	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_55_P2054455	7.23E-06	0.389	**2310004I24Rik**	RIKEN cDNA 2310004I24 gene
A_55_P2159299	4.63E-05	0.389	**Ing1**	inhibitor of growth family, member 1
A_51_P393518	0.00064693	0.389	**Hmcn1**	hemicentin 1
A_51_P155755	9.39E-06	0.389	**Pld6**	phospholipase D family, member 6
A_55_P2097736	0.000128782	0.389	**Patz1**	POZ (BTB) and AT hook containing zinc finger 1
A_52_P481780	4.75E-05	0.389	**Cep78**	centrosomal protein 78
A_66_P101631	1.14E-05	0.389	**Zfp27**	zinc finger protein 27
A_30_P01018666	0.000412238	0.389		
A_66_P125862	9.01E-09	0.389	**A930005H10Rik**	RIKEN cDNA A930005H10 gene
A_51_P366138	4.25E-05	0.389	**Mertk**	c-mer proto-oncogene tyrosine kinase
A_55_P2044439	6.80E-07	0.390	**Mfng**	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_55_P1973770	3.62E-05	0.390	**Unc5b**	unc-5 homolog B (C. elegans)
A_55_P2028660	2.05E-07	0.390	**Dusp12**	dual specificity phosphatase 12
A_55_P2175206	3.41E-05	0.390	**Rbbp6**	retinoblastoma binding protein 6
A_55_P2175489	6.03E-05	0.390	**Sfxn5**	sideroflexin 5
A_51_P180974	3.31E-05	0.390	**Prkcdbp**	protein kinase C, delta binding protein
A_52_P402319	2.72E-07	0.390	**Med20**	mediator complex subunit 20
A_52_P484838	2.63E-07	0.390	**Rfxank**	regulatory factor X-associated ankyrin-containing protein
A_51_P126302	0.000253496	0.390	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P2011141	0.000306235	0.390		
A_51_P124606	1.00E-07	0.390	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_30_P01023205	0.000228477	0.390		
A_52_P245415	3.33E-05	0.390	**AW554918**	expressed sequence AW554918
A_51_P490678	1.17E-05	0.390	**Trim68**	tripartite motif-containing 68
A_51_P415809	2.24E-08	0.391	**Tusc1**	tumor suppressor candidate 1
A_55_P2106788	0.000327366	0.391		
A_51_P168695	0.000505656	0.391	**Mast4**	microtubule associated serine/threonine kinase family member 4
A_51_P114456	3.52E-07	0.391	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_51_P119401	3.61E-06	0.391	**Tug1**	taurine upregulated gene 1
A_55_P1960097	5.36E-05	0.391	**Epb4.1l3**	erythrocyte protein band 4.1-like 3
A_66_P136097	0.000150631	0.391	**Trim13**	tripartite motif-containing 13
A_52_P150950	0.001197311	0.391	**Olfm3**	olfactomedin 3
A_51_P488768	8.01E-05	0.391	**Slc25a44**	solute carrier family 25, member 44
A_52_P127643	2.14E-06	0.391		
A_55_P2026748	4.41E-05	0.391	**Zmat1**	zinc finger, matrin type 1
A_52_P132507	2.48E-05	0.391	**Prune**	prune homolog (Drosophila)
A_55_P2149951	2.60E-06	0.391	**Prx**	periaxin
A_55_P2073607	6.94E-08	0.392	**Commd5**	COMM domain containing 5
A_55_P1968493	2.20E-07	0.392	**Telo2**	TEL2, telomere maintenance 2, homolog (S. cerevisiae)
A_52_P494372	2.20E-08	0.392	**Zxdc**	ZXD family zinc finger C
A_51_P101075	8.10E-06	0.392	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_30_P01020323	1.73E-07	0.392		
A_51_P119401	2.02E-07	0.392	**Tug1**	taurine upregulated gene 1
A_51_P252784	1.67E-07	0.392	**1500011H22Rik**	RIKEN cDNA 1500011H22 gene
A_55_P2349747	0.001114788	0.392	**9330159N05Rik**	RIKEN cDNA 9330159N05 gene
A_51_P101075	1.94E-05	0.392	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2022337	0.000376225	0.392	**Dhcr7**	7-dehydrocholesterol reductase
A_55_P2021780	1.61E-06	0.393	**Gm9897**	predicted gene 9897
A_55_P2014780	0.000814415	0.393	**Defb25**	defensin beta 25
A_55_P2051949	0.000127543	0.393	**Elmod3**	ELMO/CED-12 domain containing 3
A_55_P2037787	0.000634448	0.393		
A_55_P2065360	6.03E-06	0.393	**Siva1**	SIVA1, apoptosis-inducing factor
A_55_P1988048	5.66E-05	0.393	**Emcn**	endomucin
A_51_P124606	1.69E-07	0.393	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_52_P436700	2.95E-05	0.394	**Gltp**	glycolipid transfer protein
A_55_P1965368	6.11E-07	0.394	**1500010J02Rik**	RIKEN cDNA 1500010J02 gene
A_55_P1971347	7.06E-06	0.394	**Mta3**	metastasis associated 3
A_51_P464308	2.11E-05	0.394	**Gnb4**	guanine nucleotide binding protein (G protein), beta 4
A_30_P01020256	0.00021016	0.394		
A_55_P2004258	1.28E-07	0.394	**Gm7102**	predicted gene 7102
A_52_P282741	0.000131507	0.394	**Sdc3**	syndecan 3
A_55_P2016712	4.73E-08	0.394	**Msl1**	male-specific lethal 1 homolog (Drosophila)
A_52_P266459	3.66E-08	0.394	**Ing2**	inhibitor of growth family, member 2
A_55_P2258467	2.30E-06	0.394	**4833445I07Rik**	RIKEN cDNA 4833445I07 gene
A_51_P409893	4.36E-06	0.395	**Prkar2a**	protein kinase, cAMP dependent regulatory, type II alpha
A_30_P01026648	6.05E-06	0.395		
A_55_P2157770	0.000111153	0.395	**Neu2**	neuraminidase 2
A_55_P2085333	0.000129803	0.395	**Fbxo44**	F-box protein 44
A_30_P01031735	0.000222429	0.395		
A_52_P617838	8.74E-05	0.395		
A_51_P100776	0.00041753	0.395	**Zfp169**	zinc finger protein 169
A_30_P01021862	0.000883203	0.395		
A_55_P2165839	2.78E-05	0.395	**Cebpe**	CCAAT/enhancer binding protein (C/EBP), epsilon
A_52_P118706	1.28E-05	0.395		
A_51_P406429	1.87E-05	0.395	**Pdk1**	pyruvate dehydrogenase kinase, isoenzyme 1
A_52_P76402	1.03E-06	0.396	**Eif2c1**	eukaryotic translation initiation factor 2C, 1
A_66_P126094	1.41E-07	0.396	**Pycrl**	pyrroline-5-carboxylate reductase-like
A_55_P2086885	1.12E-06	0.396	**Slc45a4**	solute carrier family 45, member 4
A_52_P48767	2.49E-06	0.396	**Rassf8**	Ras association (RalGDS/AF-6) domain family (N-terminal) member 8
A_52_P78333	0.000148176	0.396	**Lrrc29**	leucine rich repeat containing 29
A_55_P1997691	0.000331847	0.396	**4930579G22Rik**	RIKEN cDNA 4930579G22 gene
A_55_P1985360	1.11E-07	0.396	**Man1c1**	mannosidase, alpha, class 1C, member 1
A_30_P01026024	0.00017021	0.396		
A_55_P2280581	3.21E-05	0.396	**A130088B03Rik**	RIKEN cDNA A130088B03 gene
A_51_P244969	2.79E-07	0.396	**Rmnd5b**	required for meiotic nuclear division 5 homolog B (S. cerevisiae)
A_51_P102507	2.75E-07	0.396	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_66_P102733	3.52E-07	0.396	**Ccdc28b**	coiled coil domain containing 28B
A_55_P2144914	2.62E-05	0.396	**Csnk1g3**	casein kinase 1, gamma 3
A_55_P2060404	9.00E-07	0.396	**Pus3**	pseudouridine synthase 3
A_51_P194004	1.43E-05	0.396	**Glyctk**	glycerate kinase
A_55_P1964262	4.01E-06	0.396	**Apol7a**	apolipoprotein L 7a
A_55_P2160732	2.93E-08	0.396	**Tcfcp2**	transcription factor CP2
A_52_P122843	1.75E-07	0.396	**BC032203**	cDNA sequence BC032203
A_55_P2079659	0.000415982	0.396	**Dnase2b**	deoxyribonuclease II beta

A_52_P466853	0.000110901	0.396	**Bmyc**	brain expressed myelocytomatosis oncogene
A_51_P317505	0.000493651	0.397	**Nat1**	N-acetyl transferase 1
A_51_P104891	1.03E-08	0.397	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2040170	4.38E-05	0.397	**Pmp22**	peripheral myelin protein 22
A_51_P288505	1.20E-08	0.397	**Tradd**	TNFRSF1A-associated via death domain
A_51_P124606	2.18E-07	0.397	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_30_P01030627	2.64E-05	0.397		
A_52_P281033	5.50E-08	0.397	**Socs5**	suppressor of cytokine signaling 5
A_55_P2414707	2.99E-06	0.397	**4732463B04Rik**	RIKEN cDNA 4732463B04 gene
A_51_P125648	4.24E-06	0.397	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2234744	2.40E-05	0.397	**Spice1**	spindle and centriole associated protein 1
A_51_P107020	0.003959002	0.397	**Kif5a**	kinesin family member 5A
A_55_P1953723	9.06E-06	0.397	**Rab13**	RAB13, member RAS oncogene family
A_55_P2145506	4.36E-05	0.397	**Flt3l**	FMS-like tyrosine kinase 3 ligand
A_30_P01021270	8.18E-07	0.397		
A_55_P2009498	2.87E-06	0.398	**Ccdc28a**	coiled-coil domain containing 28A
A_66_P114722	0.001299915	0.398	**Pdp2**	pyruvate dehyrogenase phosphatase catalytic subunit 2
A_66_P132777	8.44E-07	0.398	**Cep68**	centrosomal protein 68
A_55_P2017183	1.35E-08	0.398	**Fuk**	fucokinase
A_52_P290221	0.000191976	0.398	**Zfp182**	zinc finger protein 182
A_51_P413916	8.66E-06	0.398	**Pgrmc2**	progesterone receptor membrane component 2
A_51_P143915	2.34E-06	0.398	**Rnf181**	ring finger protein 181
A_55_P1975354	0.000295527	0.398	**Tcf3**	transcription factor 3
A_30_P01027268	0.002046273	0.398		
A_55_P2072661	1.30E-06	0.398	**Prex1**	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1
A_52_P487436	2.21E-07	0.398	**Nags**	N-acetylglutamate synthase
A_51_P292116	1.06E-05	0.398	**Ica1**	islet cell autoantigen 1
A_52_P558368	1.30E-06	0.398	**Zdhhc1**	zinc finger, DHHC domain containing 1
A_55_P2114596	9.53E-08	0.398	**Zfp161**	zinc finger protein 161
A_30_P01023729	0.000359671	0.398		
A_55_P2142430	3.97E-05	0.398	**Bank1**	B-cell scaffold protein with ankyrin repeats 1
A_51_P246066	0.000390252	0.398	**Slamf9**	SLAM family member 9
A_30_P01027810	9.05E-05	0.398		
A_51_P382970	1.71E-05	0.399	**Itga9**	integrin alpha 9
A_51_P249051	7.88E-09	0.399	**Pycr2**	pyrroline-5-carboxylate reductase family, member 2
A_30_P01022467	5.88E-07	0.399		
A_51_P414396	9.14E-06	0.399	**Mmrn2**	multimerin 2
A_55_P2060072	1.31E-07	0.399	**Clk2**	CDC-like kinase 2
A_51_P119401	3.35E-07	0.399	**Tug1**	taurine upregulated gene 1
A_55_P2262136	5.20E-06	0.399	**Tek**	endothelial-specific receptor tyrosine kinase
A_55_P2127538	7.55E-08	0.399	**Klraq1**	KLRAQ motif containing 1
A_51_P124606	1.58E-07	0.399	**Nat2**	N-acetyltransferase 2 (arylamine N-acetyltransferase)
A_55_P2049831	3.54E-06	0.399	**1700023D09Rik**	RIKEN cDNA 1700023D09 gene
A_51_P102507	3.37E-07	0.399	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_55_P1974984	0.002894581	0.399		
A_30_P01020771	3.21E-06	0.399		
A_55_P2044385	0.001112281	0.400	**Fgfbp3**	fibroblast growth factor binding protein 3
A_51_P126302	0.003892306	0.400	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P216593	2.30E-05	0.400	**Wfs1**	Wolfram syndrome 1 homolog (human)
A_55_P2138878	0.000163606	0.400	**Lrfn4**	leucine rich repeat and fibronectin type III domain containing 4
A_51_P104891	9.98E-10	0.400	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P114634	0.000266082	0.400	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1984751	4.87E-06	0.400	**Ppp1r14b**	protein phosphatase 1, regulatory (inhibitor) subunit 14B
A_55_P1995992	7.93E-07	0.400	**OTTMUSG00000016**	predicted gene, OTTMUSG00000016609
A_55_P2023783	3.61E-07	0.400	**Leng8**	leukocyte receptor cluster (LRC) member 8
A_52_P661496	2.51E-05	0.400		
A_52_P188593	0.000244747	0.400		
A_55_P1984962	0.001486341	0.400		
A_51_P408749	5.50E-07	0.400	**4933439C10Rik**	RIKEN cDNA 4933439C10 gene
A_30_P01022191	1.54E-05	0.401		
A_55_P1986123	1.80E-05	0.401	**Sccpdh**	saccharopine dehydrogenase (putative)
A_30_P01022593	0.00021168	0.401		
A_55_P1976395	0.002041946	0.401	**Nsdhl**	NAD(P) dependent steroid dehydrogenase-like
A_55_P2139221	0.002392575	0.401		
A_55_P1973415	2.37E-05	0.401	**Csprs**	component of Sp100-rs
A_55_P1962516	0.001465869	0.401	**Fam19a2**	family with sequence similarity 19, member A2
A_55_P2150741	0.00129183	0.401	**Exoc3l**	exocyst complex component 3-like
A_52_P365660	4.97E-05	0.401	**Lrrc4c**	leucine rich repeat containing 4C
A_30_P01027373	0.002888512	0.401		
A_52_P491554	5.07E-06	0.401	**Zfp759**	zinc finger protein 759
A_51_P110341	0.001799742	0.401	**Scgb3a1**	secretoglobin, family 3A, member 1
A_52_P399677	1.95E-05	0.401	**Tprkb**	Tp53rk binding protein
A_66_P139493	2.02E-07	0.401		
A_51_P125648	1.11E-05	0.401	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2035484	3.53E-06	0.401	**1110038D17Rik**	RIKEN cDNA 1110038D17 gene
A_51_P125648	5.41E-06	0.401	**Vwce**	von Willebrand factor C and EGF domains
A_51_P324871	9.27E-08	0.401	**Cybasc3**	cytochrome b, ascorbate dependent 3
A_30_P01032906	1.22E-05	0.402		
A_52_P625683	1.71E-05	0.402	**Pxmp4**	peroxisomal membrane protein 4
A_55_P2010778	7.37E-06	0.402	**Il11ra1**	interleukin 11 receptor, alpha chain 1
A_51_P339344	0.000981582	0.402	**Tmem81**	transmembrane protein 81
A_55_P2184009	0.000884803	0.402	**Rnd2**	Rho family GTPase 2
A_30_P01031414	0.000370248	0.402		
A_55_P2047867	0.000101416	0.402	**Elmod3**	ELMO/CED-12 domain containing 3
A_51_P125648	2.33E-05	0.402	**Vwce**	von Willebrand factor C and EGF domains
A_30_P01020952	1.75E-07	0.402		
A_51_P222475	7.28E-08	0.402	**Ehbp1l1**	EH domain binding protein 1-like 1
A_51_P107020	0.002161221	0.402	**Kif5a**	kinesin family member 5A
A_30_P01023887	2.47E-05	0.402		
A_52_P481182	2.33E-05	0.402	**Stard5**	StAR-related lipid transfer (START) domain containing 5
A_51_P486618	4.20E-05	0.402	**Akr1b10**	aldo-keto reductase family 1, member B10 (aldose reductase)
A_55_P2076927	3.36E-07	0.402	**Ints10**	integrator complex subunit 10
A_55_P2057232	0.000375726	0.402	**Zfp282**	zinc finger protein 282
A_55_P2105833	5.55E-06	0.402	**Chchd5**	coiled-coil-helix-coiled-coil-helix domain containing 5
A_51_P342877	4.96E-06	0.403	**Scn1b**	sodium channel, voltage-gated, type I, beta
A_30_P01031532	0.00112393	0.403		
A_51_P511707	4.76E-08	0.403	**Ntpcr**	nucleoside-triphosphatase,cancer-related
A_55_P1953143	0.002687207	0.403	**Wt1**	Wilms tumor 1 homolog
A_52_P498985	7.25E-07	0.403	**Zfp512**	zinc finger protein 512
A_52_P277104	0.000132341	0.403	**Bank1**	B-cell scaffold protein with ankyrin repeats 1

A_52_P600531	2.49E-05	0.403	**Bahd1**	bromo adjacent homology domain containing 1
A_51_P498631	1.01E-05	0.403	**Dfna5**	deafness, autosomal dominant 5 (human)
A_52_P385606	1.47E-05	0.403	**Ckb**	creatine kinase, brain
A_55_P2044252	1.34E-09	0.403	**Znf512b**	zinc finger protein 512B
A_51_P105709	0.00063926	0.403	**Trip13**	thyroid hormone receptor interactor 13
A_52_P201551	2.38E-05	0.403	**Nav1**	neuron navigator 1
A_52_P10037	6.48E-08	0.403	**Asf1a**	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)
A_51_P101075	1.02E-05	0.403	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_55_P2182690	7.28E-08	0.403	**Orai3**	ORAI calcium release-activated calcium modulator 3
A_52_P515057	1.09E-06	0.403	**Slc25a24**	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24
A_55_P2169839	8.57E-09	0.403		
A_55_P2023136	8.44E-07	0.403		
A_55_P2000102	4.25E-09	0.403	**Fam119a**	family with sequence similarity 119, member A
A_51_P327796	7.64E-09	0.403	**Itgb5**	integrin beta 5
A_30_P01021048	0.000157689	0.403		
A_51_P100776	0.000179451	0.403	**Zfp169**	zinc finger protein 169
A_55_P2081055	0.000207606	0.403	**1700056E22Rik**	RIKEN cDNA 1700056E22 gene
A_55_P2227967	9.20E-08	0.404	**Zbtb38**	zinc finger and BTB domain containing 38
A_51_P114456	6.30E-07	0.404	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_55_P2167999	8.35E-05	0.404	**Ldlr**	low density lipoprotein receptor
A_51_P319022	9.82E-05	0.404	**Cxcr3**	chemokine (C-X-C motif) receptor 3
A_55_P2017526	5.52E-05	0.404	**Dand5**	DAN domain family, member 5
A_51_P125648	7.62E-06	0.404	**Vwce**	von Willebrand factor C and EGF domains
A_51_P496054	4.29E-08	0.404	**Zcchc14**	zinc finger, CCHC domain containing 14
A_66_P135702	0.000208605	0.404	**Stx2**	syntaxin 2
A_51_P119401	1.85E-08	0.404	**Tug1**	taurine upregulated gene 1
A_52_P639064	9.09E-06	0.404	**Strbp**	spermatid perinuclear RNA binding protein
A_55_P2109263	3.75E-06	0.404	**Ppp1r14b**	protein phosphatase 1, regulatory (inhibitor) subunit 14B
A_51_P100776	0.001969858	0.404	**Zfp169**	zinc finger protein 169
A_55_P2107192	1.42E-06	0.404		
A_51_P215475	3.64E-06	0.404	**Ptprb**	protein tyrosine phosphatase, receptor type, B
A_51_P101075	5.87E-06	0.404	**1810031K17Rik**	RIKEN cDNA 1810031K17 gene
A_66_P116326	0.00027016	0.404	**Tlcd2**	TLC domain containing 2
A_51_P423880	7.54E-06	0.404	**Smarcd3**	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3
A_51_P145662	3.80E-05	0.404	**Clec4g**	C-type lectin domain family 4, member g
A_51_P122085	4.03E-09	0.405	**Usp20**	ubiquitin specific peptidase 20
A_55_P2095688	3.29E-06	0.405	**Sh3bp5l**	SH3 binding domain protein 5 like
A_52_P38627	0.001838206	0.405	**Egf**	epidermal growth factor
A_51_P257885	0.00239631	0.405	**Mmd2**	monocyte to macrophage differentiation-associated 2
A_55_P2142937	0.000195697	0.405		
A_55_P2037294	2.36E-06	0.405		
A_55_P2062558	0.00041299	0.405		
A_55_P2092384	8.62E-08	0.405	**Pik3r2**	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta)
A_30_P01017489	2.70E-05	0.405		
A_55_P2154430	2.51E-06	0.405	**Cd320**	CD320 antigen
A_55_P2047305	2.24E-05	0.405	**Adcy5**	adenylate cyclase 5
A_51_P162471	2.64E-08	0.405	**Dnajc9**	DnaJ (Hsp40) homolog, subfamily C, member 9
A_55_P2100155	2.86E-06	0.405	**Mapt**	microtubule-associated protein tau
A_55_P2182736	0.000689406	0.406	**Limd2**	LIM domain containing 2
A_51_P262721	8.42E-06	0.406		
A_55_P2030383	6.14E-05	0.406	**Frmd4a**	FERM domain containing 4A
A_51_P433026	5.75E-09	0.406	**Ppapdc2**	phosphatidic acid phosphatase type 2 domain containing 2
A_55_P2059936	7.38E-06	0.406		
A_55_P2011647	2.20E-05	0.406		
A_55_P2184877	1.79E-05	0.406		
A_55_P2070401	1.93E-06	0.406	**4930402H24Rik**	RIKEN cDNA 4930402H24 gene
A_52_P151320	0.001385106	0.406	**Tnfaip8l1**	tumor necrosis factor, alpha-induced protein 8-like 1
A_51_P417720	3.32E-06	0.406	**Itga11**	integrin alpha 11
A_51_P331328	1.08E-06	0.406	**Gpihbp1**	GPI-anchored HDL-binding protein 1
A_51_P125648	7.52E-06	0.407	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2060091	7.86E-07	0.407		
A_55_P1991802	2.02E-07	0.407	**Csrp2bp**	cysteine and glycine-rich protein 2 binding protein
A_51_P125648	1.85E-05	0.407	**Vwce**	von Willebrand factor C and EGF domains
A_51_P342786	8.11E-06	0.407	**Mlh3**	mutL homolog 3 (E coli)
A_51_P122085	2.35E-07	0.407	**Usp20**	ubiquitin specific peptidase 20
A_51_P122085	5.08E-10	0.407	**Usp20**	ubiquitin specific peptidase 20
A_55_P2136258	4.76E-06	0.407	**Nsun6**	NOL1/NOP2/Sun domain family member 6
A_52_P404461	3.11E-08	0.407	**Tmem60**	transmembrane protein 60
A_52_P16356	5.81E-05	0.407		
A_55_P1993708	2.91E-07	0.407	**Lrp12**	low density lipoprotein-related protein 12
A_52_P381430	4.18E-06	0.408	**Tbc1d4**	TBC1 domain family, member 4
A_55_P2034335	0.001421787	0.408	**Cage1**	cancer antigen 1
A_55_P2023057	2.96E-07	0.408	**Dnajb2**	DnaJ (Hsp40) homolog, subfamily B, member 2
A_66_P118776	5.43E-05	0.408	**2310047B19Rik**	RIKEN cDNA 2310047B19 gene
A_51_P196973	0.003466923	0.408	**Chaf1a**	chromatin assembly factor 1, subunit A (p150)
A_52_P595717	1.72E-06	0.408	**Smug1**	single-strand selective monofunctional uracil DNA glycosylase
A_52_P442852	1.14E-07	0.408	**Kbtbd7**	kelch repeat and BTB (POZ) domain containing 7
A_55_P1992019	0.000342981	0.408	**Ptpru**	protein tyrosine phosphatase, receptor type, U
A_52_P406036	7.88E-06	0.408	**Cdkn2aip**	CDKN2A interacting protein
A_55_P2186180	0.000228376	0.408	**1810063B07Rik**	RIKEN cDNA 1810063B07 gene
A_55_P2083894	0.003204068	0.408		
A_51_P102507	3.18E-07	0.408	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_51_P236324	3.58E-06	0.408	**Gtf2e1**	general transcription factor II E, polypeptide 1 (alpha subunit)
A_55_P2056186	3.42E-05	0.408	**Siva1**	SIVA1, apoptosis-inducing factor
A_65_P20104	0.001226829	0.408	**Mical2**	microtubule associated monoxygenase, calponin and LIM domain containing 2
A_55_P2293414	2.76E-07	0.409	**1700001C19Rik**	RIKEN cDNA 1700001C19 gene
A_30_P01023478	0.000620837	0.409		
A_55_P2095820	5.21E-05	0.409	**Kalrn**	kalirin, RhoGEF kinase
A_52_P606826	6.44E-09	0.409	**Pigh**	phosphatidylinositol glycan anchor biosynthesis, class H
A_51_P317673	3.69E-07	0.409	**Zfp764**	zinc finger protein 764
A_55_P1955676	1.12E-06	0.409	**Csrp2bp**	cysteine and glycine-rich protein 2 binding protein
A_30_P01029585	9.64E-06	0.409		
A_52_P419162	3.89E-06	0.409		
A_55_P2024709	7.57E-08	0.409	**4933427D14Rik**	RIKEN cDNA 4933427D14 gene
A_51_P150430	4.05E-07	0.409	**Mkrn2**	makorin, ring finger protein, 2
A_51_P507172	2.79E-08	0.409	**2310022A10Rik**	RIKEN cDNA 2310022A10 gene
A_66_P134775	4.11E-06	0.409	**Pter**	phosphotriesterase related
A_30_P01026452	0.002423368	0.409		
A_55_P2012899	0.000561607	0.410	**Vsig4**	V-set and immunoglobulin domain containing 4
A_30_P01027160	0.000303553	0.410		

A_55_P2356840	6.98E-06	0.410	**1600020E01Rik**	RIKEN cDNA 1600020E01 gene
A_30_P01026732	3.30E-06	0.410		
A_52_P253748	0.000104452	0.410	**Zbtb45**	zinc finger and BTB domain containing 45
A_51_P345110	4.62E-07	0.410	**Thap4**	THAP domain containing 4
A_52_P561377	1.61E-08	0.410	**Fam160b1**	family with sequence similarity 160, member B1
A_55_P2015862	2.21E-07	0.410	**Erg**	avian erythroblastosis virus E-26 (v-ets) oncogene related
A_51_P125648	1.05E-05	0.411	**Vwce**	von Willebrand factor C and EGF domains
A_51_P464029	5.59E-06	0.411	**Fads3**	fatty acid desaturase 3
A_51_P335969	0.000264811	0.411	**Des**	desmin
A_51_P124647	6.32E-06	0.411	**3200002M19Rik**	RIKEN cDNA 3200002M19 gene
A_51_P114634	0.000183526	0.411	**Amz1**	archaelysin family metallopeptidase 1
A_55_P2126192	7.63E-05	0.411	**Lgr5**	leucine rich repeat containing G protein coupled receptor 5
A_55_P2019113	0.000192213	0.411	**Apol7b**	apolipoprotein L 7b
A_66_P126504	0.000341659	0.411	**Gm12824**	predicted gene 12824
A_30_P01021640	1.17E-05	0.411		
A_30_P01024304	6.20E-08	0.411		
A_51_P114456	8.84E-06	0.411	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_55_P2202043	0.000697341	0.411	**C430045I18Rik**	RIKEN cDNA C430045I18 gene
A_55_P2015258	0.000132869	0.412	**Trim13**	tripartite motif-containing 13
A_51_P507942	8.12E-06	0.412	**Atp13a2**	ATPase type 13A2
A_51_P462271	0.000105607	0.412	**Acan**	aggrecan
A_55_P1984730	1.44E-05	0.412	**Sgpl1**	sphingosine phosphate lyase 1
A_51_P394833	9.23E-06	0.412	**Tshz1**	teashirt zinc finger family member 1
A_55_P2072141	4.99E-06	0.412	**Chic1**	cysteine-rich hydrophobic domain 1
A_55_P2137840	0.000311699	0.412	**4833442J19Rik**	RIKEN cDNA 4833442J19 gene
A_55_P1986276	2.82E-07	0.412	**Tmem41b**	transmembrane protein 41B
A_55_P1991750	0.000317398	0.412	**Mtcp1**	mature T-cell proliferation 1
A_51_P121302	5.91E-06	0.412	**Them4**	thioesterase superfamily member 4
A_51_P119401	1.71E-07	0.412	**Tug1**	taurine upregulated gene 1
A_51_P121466	2.17E-05	0.412	**Tab1**	TGF-beta activated kinase 1/MAP3K7 binding protein 1
A_55_P2087205	2.20E-06	0.412	**9530077C14Rik**	RIKEN cDNA 9530077C14 gene
A_30_P01032641	0.003297811	0.412		
A_51_P114634	0.000234068	0.412	**Amz1**	archaelysin family metallopeptidase 1
A_30_P01026350	2.82E-05	0.412		
A_51_P173212	4.55E-07	0.412	**Osbpl2**	oxysterol binding protein-like 2
A_55_P2057102	1.21E-08	0.412	**Sft2d3**	SFT2 domain containing 3
A_30_P01025281	0.002811744	0.412		
A_52_P502771	0.000459219	0.413	**Rad54b**	RAD54 homolog B (S. cerevisiae)
A_52_P456561	0.000213471	0.413	**Abcd1**	ATP-binding cassette, sub-family D (ALD), member 1
A_55_P1981147	4.56E-07	0.413	**Trub2**	TruB pseudouridine (psi) synthase homolog 2 (E. coli)
A_55_P2058165	9.14E-06	0.413	**Morn4**	MORN repeat containing 4
A_55_P2172440	3.48E-07	0.413	**Scarf2**	scavenger receptor class F, member 2
A_55_P2069525	3.57E-06	0.413	**Zmym6**	zinc finger, MYM-type 6
A_30_P01023646	0.000160372	0.413		
A_55_P2240468	6.70E-07	0.413	**1110019D14Rik**	RIKEN cDNA 1110019D14 gene
A_55_P2127664	1.56E-06	0.413		
A_52_P196105	2.04E-06	0.413	**Ttyh3**	tweety homolog 3 (Drosophila)
A_55_P2087528	0.000169267	0.414	**D930015E06Rik**	RIKEN cDNA D930015E06 gene
A_51_P122085	1.20E-07	0.414	**Usp20**	ubiquitin specific peptidase 20
A_55_P2026109	1.82E-08	0.414	**Rpap1**	RNA polymerase II associated protein 1
A_55_P1976152	4.56E-08	0.414	**Vrk2**	vaccinia related kinase 2
A_55_P2118799	4.85E-06	0.414	**Rmi1**	RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae)
A_55_P2038737	1.42E-06	0.414	**Slc29a1**	solute carrier family 29 (nucleoside transporters), member 1
A_51_P314652	2.56E-05	0.414	**Glt28d2**	glycosyltransferase 28 domain containing 2
A_52_P658320	9.80E-05	0.414	**Mfsd7a**	major facilitator superfamily domain containing 7A
A_51_P336622	4.72E-07	0.414	**Dexi**	dexamethasone-induced transcript
A_30_P01026391	2.26E-05	0.414		
A_55_P2003228	0.000684257	0.414	**Rerg**	RAS-like, estrogen-regulated, growth-inhibitor
A_51_P122085	9.11E-09	0.414	**Usp20**	ubiquitin specific peptidase 20
A_55_P2146525	6.12E-08	0.414	**Camta2**	calmodulin binding transcription activator 2
A_55_P2113066	2.13E-08	0.414	**Zkscan5**	zinc finger with KRAB and SCAN domains 5
A_51_P111259	1.49E-06	0.414	**Cdk2ap2**	CDK2-associated protein 2
A_52_P101982	1.65E-09	0.414	**Tmem129**	transmembrane protein 129
A_51_P253732	0.00027375	0.414	**Il17rd**	interleukin 17 receptor D
A_30_P01018002	4.40E-07	0.414		
A_55_P2136817	3.32E-07	0.414	**Coro2b**	coronin, actin binding protein, 2B
A_66_P108793	3.51E-05	0.415		
A_51_P102507	2.72E-07	0.415	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_30_P01030183	0.000196141	0.415		
A_52_P315369	2.76E-06	0.415	**Cyb5r1**	cytochrome b5 reductase 1
A_51_P448814	6.60E-08	0.415	**Zfp90**	zinc finger protein 90
A_52_P674309	3.23E-08	0.415	**Mocs2**	molybdenum cofactor synthesis 2
A_55_P2009285	9.02E-10	0.415	**Fbxo25**	F-box protein 25
A_51_P485421	0.000740889	0.415		
A_55_P2151868	0.003562313	0.415	**Mest**	mesoderm specific transcript
A_55_P1965989	0.00088652	0.415	**Zfp329**	zinc finger protein 329
A_55_P2048518	1.93E-06	0.415	**Zfpm1**	zinc finger protein, multitype 1
A_30_P01024165	0.000324895	0.415		
A_51_P121302	1.31E-05	0.415	**Them4**	thioesterase superfamily member 4
A_55_P2120189	0.000514081	0.415	**Gas2l3**	growth arrest-specific 2 like 3
A_55_P2110998	0.000210704	0.415	**Gpr153**	G protein-coupled receptor 153
A_51_P496715	1.19E-06	0.415	**4930444A02Rik**	RIKEN cDNA 4930444A02 gene
A_55_P1986863	1.95E-07	0.415	**Ccdc126**	coiled-coil domain containing 126
A_30_P01024255	9.95E-08	0.415		
A_55_P1972204	1.43E-06	0.416	**Fam160b2**	family with sequence similarity 160, member B2
A_52_P32369	0.00019149	0.416	**Hmgn3**	high mobility group nucleosomal binding domain 3
A_30_P01018084	0.000731665	0.416		
A_55_P2131428	0.002449403	0.416	**Tlr5**	toll-like receptor 5
A_55_P2058864	4.91E-05	0.416	**Mvk**	mevalonate kinase
A_55_P1954258	2.09E-06	0.416	**Zfp652**	zinc finger protein 652
A_52_P65719	4.84E-05	0.416		
A_51_P502132	4.69E-05	0.416	**Mmp23**	matrix metallopeptidase 23
A_51_P475228	3.10E-08	0.416	**Armc6**	armadillo repeat containing 6
A_55_P2153296	1.14E-07	0.416	**Pycrl**	pyrroline-5-carboxylate reductase-like
A_55_P2062627	6.81E-06	0.416	**2210411K11Rik**	RIKEN cDNA 2210411K11 gene
A_55_P2065567	9.65E-07	0.416	**Chac2**	ChaC, cation transport regulator homolog 2 (E. coli)
A_51_P365019	4.92E-07	0.416	**Gclc**	glutamate-cysteine ligase, catalytic subunit
A_55_P2015860	2.08E-07	0.417	**Plcg1**	phospholipase C, gamma 1
A_55_P2149274	5.55E-06	0.417	**Sh3bp5l**	SH3 binding domain protein 5 like
A_51_P341177	3.48E-06	0.417	**Ddah2**	dimethylarginine dimethylaminohydrolase 2

A_30_P01033086	0.000304013	0.417		
A_52_P257686	5.66E-05	0.417	**Rwdd3**	RWD domain containing 3
A_66_P116888	1.18E-06	0.417	**Arid1a**	AT rich interactive domain 1A (SWI-like)
A_52_P38627	0.000665833	0.418	**Egf**	epidermal growth factor
A_51_P102507	3.22E-08	0.418	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_52_P122696	5.56E-07	0.418	**Arl2**	ADP-ribosylation factor-like 2
A_51_P119401	2.80E-07	0.418	**Tug1**	taurine upregulated gene 1
A_55_P2150901	0.00027773	0.418	**Foxo4**	forkhead box O4
A_55_P2470474	6.74E-05	0.418	**9530082P21Rik**	RIKEN cDNA 9530082P21 gene
A_55_P2072611	1.58E-05	0.418	**Mosc1**	MOCO sulphurase C-terminal domain containing 1
A_51_P142421	0.002240973	0.418	**Rspo1**	R-spondin homolog (Xenopus laevis)
A_51_P119401	1.25E-05	0.418	**Tug1**	taurine upregulated gene 1
A_55_P2034535	7.10E-05	0.418	**Chchd5**	coiled-coil-helix-coiled-coil-helix domain containing 5
A_52_P309890	7.85E-05	0.418	**Mcc**	mutated in colorectal cancers
A_52_P916539	3.12E-05	0.418	**Zbtb34**	zinc finger and BTB domain containing 34
A_55_P2051656	0.000289377	0.418	**Shank2**	SH3/ankyrin domain gene 2
A_51_P443723	2.75E-09	0.419	**Slc35c1**	solute carrier family 35, member C1
A_51_P242414	2.88E-06	0.419	**Micall1**	microtubule associated monoxygenase, calponin and LIM domain containing -like 1
A_55_P2078123	1.15E-06	0.419	**Rora**	RAR-related orphan receptor alpha
A_55_P2013612	1.01E-05	0.419	**Gm11677**	predicted gene 11677
A_55_P1958280	3.43E-06	0.419	**Arrdc1**	arrestin domain containing 1
A_55_P2042156	3.15E-05	0.419	**Aatk**	apoptosis-associated tyrosine kinase
A_30_P01031112	7.88E-06	0.419		
A_51_P119401	1.51E-06	0.419	**Tug1**	taurine upregulated gene 1
A_51_P293269	0.000255751	0.419	**Pde7a**	phosphodiesterase 7A
A_30_P01021359	0.000489143	0.419		
A_51_P243134	2.91E-06	0.419	**Adcy6**	adenylate cyclase 6
A_55_P2072080	0.000419981	0.419	**Zfp142**	zinc finger protein 142
A_51_P352264	3.31E-09	0.420	**Sirt7**	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (S. cerevisiae)
A_51_P125648	1.67E-05	0.420	**Vwce**	von Willebrand factor C and EGF domains
A_52_P394385	2.25E-07	0.420	**1600012H06Rik**	RIKEN cDNA 1600012H06 gene
A_55_P2289040	5.10E-05	0.420	**AI429363**	expressed sequence AI429363
A_55_P2037454	1.79E-06	0.420	**Etv5**	ets variant gene 5
A_30_P01032602	0.001340472	0.420		
A_66_P111578	0.000283121	0.420	**Zfp709**	zinc finger protein 709
A_51_P122085	3.33E-09	0.420	**Usp20**	ubiquitin specific peptidase 20
A_55_P2100295	5.94E-06	0.420	**Dnmbp**	dynamin binding protein
A_66_P135534	9.17E-07	0.420		
A_52_P161087	2.25E-08	0.420	**2610008E11Rik**	RIKEN cDNA 2610008E11 gene
A_55_P1958140	4.94E-05	0.420	**B9d1**	B9 protein domain 1
A_55_P2141534	0.000123658	0.420		
A_51_P126337	0.000649062	0.421	**Fgf12**	fibroblast growth factor 12
A_51_P256093	0.000668285	0.421	**Map2k6**	mitogen-activated protein kinase kinase 6
A_51_P418935	0.000118059	0.421	**Neurl2**	neuralized-like 2 (Drosophila)
A_55_P1998159	3.29E-09	0.421	**Deaf1**	deformed epidermal autoregulatory factor 1 (Drosophila)
A_51_P461475	2.81E-06	0.421	**Atn1**	atrophin 1
A_55_P2034600	4.94E-07	0.421	**Gm5523**	glyceraldehyde-3-phosphate dehydrogenase pseudogene
A_55_P1964213	0.000443612	0.421	**Tprkb**	Tp53rk binding protein
A_51_P363556	1.82E-05	0.421	**Abi2**	abl-interactor 2
A_55_P1996711	8.97E-07	0.421	**Olfr1443**	olfactory receptor 1443
A_52_P555235	1.39E-05	0.421	**Rgs19**	regulator of G-protein signaling 19
A_51_P485421	0.000274724	0.421		
A_51_P392546	2.76E-06	0.421	**Haus3**	HAUS augmin-like complex, subunit 3
A_51_P122085	2.06E-08	0.421	**Usp20**	ubiquitin specific peptidase 20
A_55_P2167769	8.38E-06	0.422	**Arid1a**	AT rich interactive domain 1A (SWI-like)
A_52_P610808	1.72E-06	0.422	**Hexdc**	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing
A_51_P119401	1.02E-07	0.422	**Tug1**	taurine upregulated gene 1
A_55_P2067513	5.69E-07	0.422	**Slc10a3**	solute carrier family 10 (sodium/bile acid cotransporter family), member 3
A_52_P494930	1.36E-05	0.422	**Fnip2**	folliculin interacting protein 2
A_51_P405606	0.001289842	0.422	**Ndrg1**	N-myc downstream regulated gene 1
A_55_P2386622	5.11E-06	0.422	**A730015C16Rik**	RIKEN cDNA A730015C16 gene
A_30_P01026204	1.10E-05	0.422		
A_30_P01020606	0.00033329	0.423		
A_30_P01018402	2.33E-05	0.423		
A_55_P2417961	3.53E-05	0.423	**BC031361**	cDNA sequence BC031361
A_55_P2031786	4.85E-08	0.423	**Fuk**	fucokinase
A_55_P2098300	1.26E-07	0.423	**Chmp6**	chromatin modifying protein 6
A_51_P114456	1.02E-05	0.423	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_55_P2098734	3.80E-05	0.423	**Ttc21b**	tetratricopeptide repeat domain 21B
A_55_P2380132	6.01E-05	0.423	**AI844869**	expressed sequence AI844869
A_51_P398887	5.43E-08	0.423	**Ctns**	cystinosis, nephropathic
A_55_P2007871	9.35E-06	0.423	**Ptpdc1**	protein tyrosine phosphatase domain containing 1
A_55_P2084378	0.002675206	0.423	**Mtmr7**	myotubularin related protein 7
A_55_P2166985	4.21E-05	0.423	**Dedd2**	death effector domain-containing DNA binding protein 2
A_51_P481221	1.92E-05	0.424	**Bace2**	beta-site APP-cleaving enzyme 2
A_51_P154933	2.55E-09	0.424	**Zdhhc7**	zinc finger, DHHC domain containing 7
A_55_P2033250	0.00040797	0.424	**Fdft1**	farnesyl diphosphate farnesyl transferase 1
A_51_P122085	5.57E-09	0.424	**Usp20**	ubiquitin specific peptidase 20
A_55_P1960688	2.50E-07	0.424	**Tmem220**	transmembrane protein 220
A_55_P1973553	0.000314546	0.424	**Bbs12**	Bardet-Biedl syndrome 12 (human)
A_55_P2036863	1.05E-06	0.424	**Rabl2**	RAB, member of RAS oncogene family-like 2
A_55_P1958887	0.000501782	0.424	**DXBay18**	DNA segment, Chr X, Baylor 18
A_51_P125648	6.72E-06	0.424	**Vwce**	von Willebrand factor C and EGF domains
A_55_P1982454	4.65E-06	0.424	**Eps8**	epidermal growth factor receptor pathway substrate 8
A_55_P2147276	1.41E-07	0.424	**Orai1**	ORAI calcium release-activated calcium modulator 1
A_30_P01026392	3.64E-06	0.424		
A_66_P132295	1.08E-05	0.424	**Tfpi**	tissue factor pathway inhibitor
A_52_P538927	8.65E-05	0.424	**Zfp385b**	zinc finger protein 385B
A_51_P477738	8.74E-05	0.425	**Rab3d**	RAB3D, member RAS oncogene family
A_55_P2161180	0.001049836	0.425	**Zfp94**	zinc finger protein 94
A_51_P337125	1.48E-05	0.425	**Inpp5d**	inositol polyphosphate-5-phosphatase D
A_52_P510119	0.002416733	0.425	**Pgm2l1**	phosphoglucomutase 2-like 1
A_66_P129444	7.28E-08	0.425	**Pnkp**	polynucleotide kinase 3'- phosphatase
A_55_P2088705	0.000134346	0.425	**Sgsm1**	small G protein signaling modulator 1
A_55_P2047986	0.000302285	0.425	**Ankrd23**	ankyrin repeat domain 23
A_55_P2019512	6.49E-09	0.426	**Mocs2**	molybdenum cofactor synthesis 2
A_55_P2030717	1.41E-05	0.426		
A_52_P518233	8.93E-07	0.426	**Ndrg3**	N-myc downstream regulated gene 3
A_55_P2054456	8.94E-07	0.426	**2310004I24Rik**	RIKEN cDNA 2310004I24 gene
A_55_P2231342	1.97E-05	0.426	**A030010E16Rik**	RIKEN cDNA A030010E16 gene

A_30_P01027595	0.000174471	0.426		
A_51_P122085	2.39E-09	0.426	**Usp20**	ubiquitin specific peptidase 20
A_55_P2341468	1.21E-05	0.426	**Rbms3**	RNA binding motif, single stranded interacting protein
A_30_P01023774	2.03E-06	0.426		
A_55_P1972653	2.67E-07	0.426	**Tada3**	transcriptional adaptor 3
A_51_P244303	0.002042094	0.426	**Smc1b**	structural maintenance of chromosomes 1B
A_55_P2070179	2.21E-07	0.427	**Ing4**	inhibitor of growth family, member 4
A_30_P01027080	0.002783774	0.427		
A_55_P2156160	5.44E-05	0.427		
A_55_P2047788	1.22E-06	0.427	**Katnal1**	katanin p60 subunit A-like 1
A_51_P355151	0.000218241	0.427	**Camk2n2**	calcium/calmodulin-dependent protein kinase II inhibitor 2
A_30_P01025159	0.000511349	0.427		
A_30_P01019898	2.73E-07	0.427		
A_55_P1994887	4.53E-06	0.427	**Zfpm1**	zinc finger protein, multitype 1
A_30_P01020932	3.08E-06	0.427		
A_66_P115615	6.56E-06	0.427	**1700071A11Rik**	RIKEN cDNA 1700071A11 gene
A_51_P114456	9.82E-07	0.427	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene
A_30_P01031134	6.11E-05	0.427		
A_55_P2371281	0.000368142	0.427	**9030601B04Rik**	RIKEN cDNA 9030601B04 gene
A_66_P106421	4.82E-05	0.427	**Ccdc30**	coiled-coil domain containing 30
A_51_P422124	4.56E-05	0.427	**Fam126a**	family with sequence similarity 126, member A
A_55_P2169276	0.000932847	0.427	**4732491K20Rik**	RIKEN cDNA 4732491K20 gene
A_66_P137462	0.001204858	0.427	**Nsdhl**	NAD(P) dependent steroid dehydrogenase-like
A_55_P2044463	2.42E-05	0.427		
A_55_P2050366	6.34E-06	0.427		
A_51_P232371	9.32E-06	0.428	**Stab1**	stabilin 1
A_66_P127161	0.00058137	0.428	**Cyp2u1**	cytochrome P450, family 2, subfamily u, polypeptide 1
A_30_P01029544	0.002326006	0.428		
A_51_P344046	1.55E-07	0.428	**Nt5m**	5',3'-nucleotidase, mitochondrial
A_52_P222096	0.000802674	0.428	**4931428F04Rik**	RIKEN cDNA 4931428F04 gene
A_55_P2034828	0.000194406	0.428	**Pias3**	protein inhibitor of activated STAT 3
A_55_P2137736	0.003031949	0.428	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_51_P125446	2.10E-07	0.429	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P102507	3.34E-06	0.429	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_52_P439995	1.26E-05	0.429	**Rab43**	RAB43, member RAS oncogene family
A_30_P01032852	0.002006663	0.429		
A_51_P297963	1.20E-07	0.429	**Recql**	RecQ protein-like
A_55_P2162344	6.27E-06	0.429	**Lrsam1**	leucine rich repeat and sterile alpha motif containing 1
A_30_P01020936	0.000573992	0.429		
A_55_P2050426	1.73E-05	0.429	**Ankrd50**	ankyrin repeat domain 50
A_30_P01022641	0.004276784	0.429		
A_55_P2116160	0.000605013	0.429	**Ccdc106**	coiled-coil domain containing 106
A_51_P122085	2.89E-09	0.429	**Usp20**	ubiquitin specific peptidase 20
A_55_P2131190	0.000339963	0.429		
A_55_P2006693	0.000148921	0.429	**Pstpip2**	proline-serine-threonine phosphatase-interacting protein 2
A_51_P285487	5.30E-05	0.429	**Rnf113a1**	ring finger protein 113A1
A_55_P1966332	1.72E-06	0.429	**Plac9**	placenta specific 9
A_51_P407675	3.08E-06	0.430	**Zrsr1**	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 1
A_66_P140067	5.48E-07	0.430	**Wdyhv1**	WDYHV motif containing 1
A_55_P2156462	0.000854876	0.430	**Nt5c3l**	5'-nucleotidase, cytosolic III-like
A_55_P2122633	0.002254673	0.430	**Airn**	antisense Igf2r RNA
A_55_P2032553	0.000148281	0.430	**9430024F10Rik**	RIKEN cDNA 9430024F10 gene
A_52_P275627	3.43E-05	0.430	**Kpnb1**	karyopherin (importin) beta 1
A_55_P2063366	1.35E-07	0.430	**Commd7**	COMM domain containing 7
A_30_P01024125	1.90E-05	0.430		
A_55_P2154724	3.26E-05	0.430	**Mettl4**	methyltransferase like 4
A_51_P456914	4.00E-07	0.430	**B630005N14Rik**	RIKEN cDNA B630005N14 gene
A_52_P458000	0.001729986	0.430	**AI467606**	expressed sequence AI467606
A_52_P399990	0.000846903	0.430	**B4galt2**	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2
A_55_P1991114	0.000924755	0.430	**Tom1l2**	target of myb1-like 2 (chicken)
A_30_P01018065	0.000220063	0.430		
A_55_P2052794	1.25E-05	0.431		
A_51_P121302	1.66E-05	0.431	**Them4**	thioesterase superfamily member 4
A_51_P263377	4.97E-06	0.431	**Thnsl1**	threonine synthase-like 1 (bacterial)
A_66_P109941	7.49E-06	0.431	**Mamdc4**	MAM domain containing 4
A_51_P483280	4.24E-05	0.431	**Prnp**	prion protein
A_55_P2032823	7.37E-06	0.431	**Trim2**	tripartite motif-containing 2
A_52_P148678	3.62E-07	0.431		
A_55_P2071426	3.35E-07	0.431	**Fam86**	family with sequence similarity 86
A_51_P149373	5.85E-05	0.431	**Fbxl20**	F-box and leucine-rich repeat protein 20
A_30_P01024477	0.000183551	0.431		
A_55_P2016681	5.97E-08	0.431	**Alkbh7**	alkB, alkylation repair homolog 7 (E. coli)
A_55_P1981599	8.28E-07	0.431	**Ccdc125**	coiled-coil domain containing 125
A_55_P1983944	0.002487513	0.431	**Tmem44**	transmembrane protein 44
A_55_P2049095	9.01E-07	0.431	**Atat1**	alpha tubulin acetyltransferase 1
A_52_P232470	2.92E-06	0.431	**Smcr7**	Smith-Magenis syndrome chromosome region, candidate 7 homolog (human)
A_30_P01018093	0.000221254	0.431		
A_55_P2120254	4.43E-06	0.431	**Avpi1**	arginine vasopressin-induced 1
A_51_P121302	1.20E-05	0.432	**Them4**	thioesterase superfamily member 4
A_55_P2152528	1.39E-06	0.432	**Gm3852**	predicted gene 3852
A_51_P131561	0.000127643	0.432	**1600029D21Rik**	RIKEN cDNA 1600029D21 gene
A_52_P449417	8.62E-06	0.432	**Vangl1**	vang-like 1 (van gogh, Drosophila)
A_30_P01026276	0.001157962	0.432		
A_52_P587948	5.35E-07	0.432	**Zfp11**	zinc finger protein 11
A_55_P2055463	5.10E-07	0.432	**Snapin**	SNAP-associated protein
A_55_P1953650	2.17E-08	0.432	**Zdhhc18**	zinc finger, DHHC domain containing 18
A_55_P1987761	1.91E-05	0.432	**Prkcz**	protein kinase C, zeta
A_55_P2008512	1.98E-07	0.432	**B4galt7**	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I)
A_55_P2112302	7.73E-07	0.432		
A_55_P1980080	2.71E-08	0.432	**Rbms2**	RNA binding motif, single stranded interacting protein 2
A_55_P2065149	1.99E-05	0.433	**Kdm2b**	lysine (K)-specific demethylase 2B
A_55_P1995874	9.78E-05	0.433		
A_55_P1995647	0.000570789	0.433	**Rsph4a**	radial spoke head 4 homolog A (Chlamydomonas)
A_66_P132144	0.000506078	0.433	**Gm9959**	predicted gene 9959
A_52_P655285	0.002287957	0.433	**Zfp462**	zinc finger protein 462
A_30_P01017550	0.000815455	0.433		
A_55_P2059332	1.09E-06	0.433	**Pnkd**	paroxysmal nonkinesiogenic dyskinesia
A_55_P2415197	2.80E-05	0.433	**2810013P06Rik**	RIKEN cDNA 2810013P06 gene
A_51_P173961	6.13E-08	0.433	**Pdrg1**	p53 and DNA damage regulated 1
A_55_P1967720	7.59E-06	0.434	**Polr2i**	polymerase (RNA) II (DNA directed) polypeptide I

A_51_P447189	0.001713591	0.434	**LOC100503215**	hypothetical protein LOC100503215
A_52_P90289	1.17E-07	0.434	**Oaz2-ps**	ornithine decarboxylase antizyme 2, pseudogene
A_55_P1976242	8.22E-07	0.434	**Arhgef7**	Rho guanine nucleotide exchange factor (GEF7)
A_66_P130887	3.05E-05	0.434	**Pcdh18**	protocadherin 18
A_30_P01031034	2.90E-06	0.434		
A_55_P2327177	2.02E-05	0.434	**Exoc8**	exocyst complex component 8
A_30_P01027411	3.91E-05	0.434		
A_51_P335969	0.000273518	0.434	**Des**	desmin
A_52_P482124	6.62E-05	0.434	**Fam32a**	family with sequence similarity 32, member A
A_51_P121302	1.78E-05	0.434	**Them4**	thioesterase superfamily member 4
A_55_P2007876	4.81E-05	0.434	**Rnf144b**	ring finger protein 144B
A_55_P2079981	1.79E-06	0.434		
A_55_P1958285	0.000129984	0.434	**Arrdc1**	arrestin domain containing 1
A_55_P2466575	7.90E-05	0.434	**4930402H24Rik**	RIKEN cDNA 4930402H24 gene
A_51_P473229	1.36E-06	0.434	**Zbtb7b**	zinc finger and BTB domain containing 7B
A_51_P509229	8.15E-06	0.435	**Tnrc6a**	trinucleotide repeat containing 6a
A_55_P1984981	0.000503061	0.435		
A_55_P2032294	2.58E-07	0.435	**Zfp932**	zinc finger protein 932
A_52_P330984	0.000531166	0.435	**Lin9**	lin-9 homolog (C. elegans)
A_30_P01025229	0.00136031	0.435		
A_55_P1974019	2.92E-07	0.435	**Dapk1**	death associated protein kinase 1
A_55_P2030229	0.000722879	0.435	**Fan1**	FANCD2/FANCI-associated nuclease 1
A_51_P410744	1.46E-05	0.435	**Dgke**	diacylglycerol kinase, epsilon
A_30_P01023446	0.000635443	0.435		
A_55_P2045891	1.36E-06	0.435	**Cpeb2**	cytoplasmic polyadenylation element binding protein 2
A_55_P2070786	7.52E-05	0.435		
A_30_P01032194	0.004197482	0.435		
A_51_P102507	2.94E-07	0.435	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_55_P1963585	7.54E-06	0.435	**Mbd5**	methyl-CpG binding domain protein 5
A_55_P2002129	6.80E-05	0.435	**Rgs12**	regulator of G-protein signaling 12
A_55_P2022094	1.36E-07	0.435	**Mta3**	metastasis associated 3
A_55_P2179964	3.78E-05	0.435		
A_55_P2078213	5.03E-06	0.435		
A_51_P121302	2.46E-05	0.435	**Them4**	thioesterase superfamily member 4
A_55_P1966528	0.000110232	0.436	**Pmf1**	polyamine-modulated factor 1
A_30_P01023344	4.88E-05	0.436		
A_51_P133612	0.000624439	0.436	**Cdt1**	chromatin licensing and DNA replication factor 1
A_55_P2097670	0.000445908	0.436		
A_55_P2123421	2.77E-07	0.436	**Dnalc4**	dynein, axonemal, light chain 4
A_52_P450188	7.47E-08	0.436	**Mtmr4**	myotubularin related protein 4
A_55_P1963712	3.20E-05	0.436	**Cyb5b**	cytochrome b5 type B
A_55_P2045367	1.80E-05	0.436	**G630025P09Rik**	RIKEN cDNA G630025P09 gene
A_55_P2006236	0.000244024	0.436	**Ugdh**	UDP-glucose dehydrogenase
A_55_P2010116	2.09E-06	0.436	**Rab27b**	RAB27b, member RAS oncogene family
A_65_P10195	0.00104582	0.436	**Myl7**	myosin, light polypeptide 7, regulatory
A_52_P675617	2.71E-06	0.437		
A_51_P126337	0.000731224	0.437	**Fgf12**	fibroblast growth factor 12
A_51_P465273	6.04E-07	0.437	**Mett11d1**	methyltransferase 11 domain containing 1
A_51_P484764	2.65E-07	0.437	**Fam3a**	family with sequence similarity 3, member A
A_30_P01017519	0.003307086	0.437		
A_30_P01030872	0.000804967	0.437		
A_55_P1983070	8.60E-07	0.437	**Uhrf1bp1**	UHRF1 (ICBP90) binding protein 1
A_51_P210340	3.73E-06	0.437	**2610306M01Rik**	RIKEN cDNA 2610306M01 gene
A_55_P1984841	4.80E-07	0.437		
A_51_P128499	0.000457822	0.437	**Dennd3**	DENN/MADD domain containing 3
A_51_P317695	0.000367345	0.437	**Trpc3**	transient receptor potential cation channel, subfamily C, member 3
A_55_P2064074	8.02E-06	0.437	**Vps37d**	vacuolar protein sorting 37D (yeast)
A_65_P09032	1.46E-05	0.437	**Rab43**	RAB43, member RAS oncogene family
A_51_P121302	5.16E-05	0.438	**Them4**	thioesterase superfamily member 4
A_55_P2014690	0.000337397	0.438	**Taok3**	TAO kinase 3
A_55_P2183692	4.15E-05	0.438	**Rgs19**	regulator of G-protein signaling 19
A_51_P451106	2.95E-05	0.438	**Brca2**	breast cancer 2
A_51_P351413	1.11E-05	0.438	**Phospho2**	phosphatase, orphan 2
A_55_P2029121	1.25E-07	0.438		
A_55_P2024853	4.74E-07	0.438	**Cep57l1**	centrosomal protein 57-like 1
A_55_P2020472	8.51E-07	0.438	**Rufy2**	RUN and FYVE domain-containing 2
A_52_P652104	8.34E-07	0.438	**Brd3**	bromodomain containing 3
A_55_P2048378	2.04E-06	0.438	**Gm5595**	predicted gene 5595
A_55_P1958876	0.000353995	0.438	**4833422C13Rik**	RIKEN cDNA 4833422C13 gene
A_55_P2061934	1.32E-05	0.439	**6430550D23Rik**	RIKEN cDNA 6430550D23 gene
A_55_P2161465	5.02E-05	0.439	**Gm10516**	predicted gene 10516
A_51_P170641	0.001705284	0.439	**Dcaf4**	DDB1 and CUL4 associated factor 4
A_55_P2023114	1.86E-06	0.439	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_52_P175376	1.03E-05	0.439	**Tcfcp2l1**	transcription factor CP2-like 1
A_52_P537852	0.000170293	0.439	**Fam120b**	family with sequence similarity 120, member B
A_51_P439612	1.25E-07	0.439	**Dnajb2**	DnaJ (Hsp40) homolog, subfamily B, member 2
A_51_P517012	1.22E-06	0.439	**Tysnd1**	trypsin domain containing 1
A_52_P647906	2.99E-06	0.439		
A_55_P2070406	6.12E-05	0.439		
A_55_P2313033	5.94E-07	0.439	**Ptprb**	protein tyrosine phosphatase, receptor type, B
A_30_P01030436	0.000914052	0.439		
A_30_P01029109	0.000100797	0.439		
A_55_P2043122	1.40E-05	0.439	**Arsg**	arylsulfatase G
A_55_P2094016	5.50E-05	0.440	**Slc17a4**	solute carrier family 17 (sodium phosphate), member 4
A_66_P123155	2.59E-06	0.440	**Ddo**	D-aspartate oxidase
A_52_P424778	0.000786521	0.440	**Adra1a**	adrenergic receptor, alpha 1a
A_51_P363905	6.04E-06	0.440	**Slc25a23**	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23
A_52_P651948	0.000563473	0.440	**1700025K23Rik**	RIKEN cDNA 1700025K23 gene
A_55_P2095859	0.000459302	0.440	**Rdh18-ps**	retinol dehydrogenase 18, pseudogene
A_55_P2115990	0.001058206	0.440		
A_55_P2024245	1.01E-05	0.440	**Mthfr**	5,10-methylenetetrahydrofolate reductase
A_55_P1973698	4.96E-08	0.440	**Htra2**	HtrA serine peptidase 2
A_55_P2154709	9.60E-06	0.440	**Pter**	phosphotriesterase related
A_52_P69756	5.54E-06	0.440	**Mterfd2**	MTERF domain containing 2
A_51_P477285	0.000231391	0.441	**1810014B01Rik**	RIKEN cDNA 1810014B01 gene
A_55_P2157695	2.71E-07	0.441	**Tsc1**	tuberous sclerosis 1
A_55_P2026420	3.96E-06	0.441	**Pou6f1**	POU domain, class 6, transcription factor 1
A_55_P2174601	0.000123463	0.441	**LOC100047292**	pleckstrin homology domain-containing family A member 7-like
A_30_P01020301	2.96E-06	0.441		
A_55_P2170054	0.000451995	0.441	**Gm7854**	predicted gene 7854

A_52_P511381	2.11E-06	0.441	**Tesk1**	testis specific protein kinase 1
A_55_P1957593	4.87E-07	0.441	**Ino80b**	INO80 complex subunit B
A_51_P485421	0.00086298	0.441		
A_55_P1972634	4.92E-06	0.441	**Mtcp1**	mature T-cell proliferation 1
A_55_P2148688	0.000111212	0.442		
A_30_P01033104	1.06E-07	0.442		
A_52_P684130	9.40E-07	0.442	**2510002D24Rik**	RIKEN cDNA 2510002D24 gene
A_52_P676271	0.000439297	0.442	**Tuba4a**	tubulin, alpha 4A
A_55_P2024290	4.23E-05	0.442	**Fam149a**	family with sequence similarity 149, member A
A_55_P1983903	5.96E-05	0.442	**Thap4**	THAP domain containing 4
A_52_P571938	6.35E-06	0.442	**Arv1**	ARV1 homolog (yeast)
A_55_P2313163	6.01E-05	0.442	**D10Bwg1070e**	DNA segment, Chr 10, Brigham & Women's Genetics 1070 expressed
A_30_P01030338	8.12E-07	0.442		
A_55_P1952779	1.75E-05	0.442	**Dcp1b**	DCP1 decapping enzyme homolog b (S. cerevisiae)
A_55_P2077884	0.001446232	0.442		
A_55_P1991763	3.67E-07	0.442	**Mtcp1**	mature T-cell proliferation 1
A_55_P1962339	1.10E-07	0.442	**Trim41**	tripartite motif-containing 41
A_51_P100776	0.000480687	0.442	**Zfp169**	zinc finger protein 169
A_55_P2304337	0.000148156	0.442	**5730407M17Rik**	RIKEN cDNA 5730407M17 gene
A_51_P464911	2.96E-07	0.443	**Msrb2**	methionine sulfoxide reductase B2
A_51_P306710	0.002082341	0.443	**Cldn15**	claudin 15
A_55_P2071059	7.22E-05	0.443	**Nab2**	Ngfi-A binding protein 2
A_51_P416137	3.41E-07	0.443	**Slc31a2**	solute carrier family 31, member 2
A_55_P1965391	3.90E-08	0.443	**Klhl18**	kelch-like 18 (Drosophila)
A_55_P2107347	2.56E-05	0.443	**Trove2**	TROVE domain family, member 2
A_55_P1977766	0.000103881	0.443	**Ttc14**	tetratricopeptide repeat domain 14
A_55_P2009677	0.000261482	0.443	**Zmiz1**	zinc finger, MIZ-type containing 1
A_51_P125446	8.72E-07	0.443	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_30_P01027805	1.86E-06	0.443		
A_52_P613643	0.000402689	0.443	**Zfp3**	zinc finger protein 3
A_51_P483261	5.42E-06	0.443	**Pomt1**	protein-O-mannosyltransferase 1
A_55_P2056876	0.001009088	0.444		
A_51_P472329	4.99E-07	0.444	**4632415K11Rik**	RIKEN cDNA 4632415K11 gene
A_55_P1971672	0.000132336	0.444	**Ankrd50**	ankyrin repeat domain 50
A_55_P2071799	1.16E-06	0.444	**Slbp**	stem-loop binding protein
A_52_P467726	2.24E-07	0.444	**Nsg1**	neuron specific gene family member 1
A_55_P2102857	8.72E-07	0.444	**Krtcap3**	keratinocyte associated protein 3
A_51_P317640	0.002044278	0.444	**Tgfb2**	transforming growth factor, beta 2
A_30_P01018725	0.000503069	0.444		
A_51_P485421	0.000783579	0.444		
A_55_P2112484	2.91E-05	0.444	**Rwdd3**	RWD domain containing 3
A_55_P2035559	0.003579868	0.445	**Fam40a**	family with sequence similarity 40, member A
A_52_P187217	0.000452452	0.445	**Phka2**	phosphorylase kinase alpha 2
A_66_P102607	1.29E-05	0.445	**Btrc**	beta-transducin repeat containing protein
A_51_P129720	1.89E-06	0.445	**Hectd3**	HECT domain containing 3
A_55_P2086423	0.000273619	0.445	**Recql4**	RecQ protein-like 4
A_55_P2156625	0.001952691	0.445		
A_51_P184353	1.42E-07	0.445	**Nr2f6**	nuclear receptor subfamily 2, group F, member 6
A_66_P136489	4.70E-05	0.445	**Gm9456**	predicted gene 9456
A_55_P2122255	1.81E-05	0.445	**Polm**	polymerase (DNA directed), mu
A_52_P307749	0.001040822	0.445	**Slc35a5**	solute carrier family 35, member A5
A_51_P106527	8.41E-07	0.445	**Fam195a**	family with sequence similarity 195, member A
A_55_P2007656	4.20E-06	0.445	**Cryab**	crystallin, alpha B
A_55_P1990490	1.92E-05	0.445	**Recql**	RecQ protein-like
A_55_P2105820	4.35E-06	0.445	**Wdr67**	WD repeat domain 67
A_55_P2048279	1.72E-05	0.445	**Tlr13**	toll-like receptor 13
A_30_P01021647	3.13E-05	0.445		
A_55_P2134735	2.13E-09	0.445	**Fdxacb1**	ferredoxin-fold anticodon binding domain containing 1
A_55_P2005229	1.48E-08	0.445	**LOC100502632**	zinc finger protein 709-like
A_55_P2101920	1.27E-05	0.446	**4931408A02Rik**	RIKEN cDNA 4931408A02 gene
A_55_P2057821	1.35E-07	0.446	**Golga1**	golgi autoantigen, golgin subfamily a, 1
A_55_P2046488	4.05E-05	0.446	**Nbeal2**	neurobeachin-like 2
A_51_P292447	7.75E-08	0.446	**Klhl36**	kelch-like 36 (Drosophila)
A_55_P2106525	7.06E-05	0.446	**Nmnat3**	nicotinamide nucleotide adenylyltransferase 3
A_55_P2062722	0.000171137	0.446		
A_51_P279183	0.000222557	0.446	**Dak**	dihydroxyacetone kinase 2 homolog (yeast)
A_55_P2166421	6.37E-07	0.446	**Rpusd3**	RNA pseudouridylate synthase domain containing 3
A_52_P581390	1.76E-05	0.446	**Kif1c**	kinesin family member 1C
A_55_P2152407	0.000268668	0.446		
A_51_P275976	4.38E-05	0.446	**Dok1**	docking protein 1
A_30_P01026482	6.09E-05	0.446		
A_51_P121302	4.98E-05	0.446	**Them4**	thioesterase superfamily member 4
A_55_P1980411	3.60E-06	0.446	**Zkscan1**	zinc finger with KRAB and SCAN domains 1
A_55_P2094197	2.74E-05	0.447	**Dnase1l3**	deoxyribonuclease 1-like 3
A_51_P295034	0.002608255	0.447	**Klk1b4**	kallikrein 1-related pepidase b4
A_52_P339742	0.000375907	0.447	**Cyb5r3**	cytochrome b5 reductase 3
A_55_P2136622	4.21E-07	0.447	**Camta2**	calmodulin binding transcription activator 2
A_51_P494446	0.003334788	0.447	**Tmem201**	transmembrane protein 201
A_51_P220062	1.18E-06	0.447	**Mmp15**	matrix metallopeptidase 15
A_55_P2099930	2.29E-05	0.447	**Lass5**	LAG1 homolog, ceramide synthase 5
A_51_P121302	3.31E-05	0.447	**Them4**	thioesterase superfamily member 4
A_55_P1999710	2.82E-06	0.447	**Smad2**	MAD homolog 2 (Drosophila)
A_52_P161400	2.12E-07	0.447	**Cnpy4**	canopy 4 homolog (zebrafish)
A_52_P496870	3.85E-08	0.447	**2310011J03Rik**	RIKEN cDNA 2310011J03 gene
A_55_P2007919	3.75E-05	0.447	**Akr1c19**	aldo-keto reductase family 1, member C19
A_55_P2100700	8.54E-08	0.447	**Pygo2**	pygopus 2
A_51_P341832	3.92E-07	0.447	**Nthl1**	nth (endonuclease III)-like 1 (E.coli)
A_51_P338461	3.70E-06	0.447	**Numa1**	nuclear mitotic apparatus protein 1
A_55_P1973683	5.18E-05	0.447	**Morn4**	MORN repeat containing 4
A_52_P543869	0.000256853	0.447	**Shpk**	sedoheptulokinase
A_55_P2083484	5.86E-07	0.448	**Fam119a**	family with sequence similarity 119, member A
A_55_P1983968	0.003275258	0.448	**Slc24a6**	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6
A_66_P134265	0.000279736	0.448	**Fam47e**	family with sequence similarity 47, member E
A_55_P2058942	1.01E-05	0.448	**Aldh3b1**	aldehyde dehydrogenase 3 family, member B1
A_51_P479321	0.000121737	0.448	**Acss1**	acyl-CoA synthetase short-chain family member 1
A_51_P483280	3.75E-05	0.448	**Prnp**	prion protein
A_52_P406507	1.36E-06	0.448	**Mus81**	MUS81 endonuclease homolog (yeast)
A_52_P362981	4.78E-05	0.448		
A_55_P2124425	1.86E-05	0.448	**Zfp661**	zinc finger protein 661
A_51_P119401	9.28E-06	0.448	**Tug1**	taurine upregulated gene 1

A_55_P1980119	1.29E-08	0.448	**Gltpd1**	glycolipid transfer protein domain containing 1
A_55_P2020348	1.92E-07	0.448	**Zbtb7b**	zinc finger and BTB domain containing 7B
A_55_P1976067	4.02E-05	0.448		
A_52_P211418	1.64E-05	0.448	**G2e3**	G2/M-phase specific E3 ubiquitin ligase
A_51_P283344	7.98E-05	0.448	**1700011H14Rik**	RIKEN cDNA 1700011H14 gene
A_52_P638513	1.90E-05	0.448	**2310061J03Rik**	RIKEN cDNA 2310061J03 gene
A_30_P01024134	2.08E-05	0.449		
A_55_P1954393	0.002582176	0.449	**Susd4**	sushi domain containing 4
A_66_P132077	0.000376892	0.449	**Iqcb1**	IQ calmodulin-binding motif containing 1
A_55_P2067453	1.67E-06	0.449	**Tspan17**	tetraspanin 17
A_30_P01027884	0.000319368	0.449		
A_51_P154083	5.23E-07	0.449	**Mettl3**	methyltransferase like 3
A_30_P01031864	1.22E-05	0.449		
A_30_P01024332	0.004354789	0.449		
A_52_P38627	0.000519921	0.449	**Egf**	epidermal growth factor
A_51_P265106	3.17E-05	0.449	**Dlat**	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)
A_55_P2062213	8.80E-07	0.449	**Tmem41a**	transmembrane protein 41a
A_55_P2068822	3.72E-05	0.449	**Cdk20**	cyclin-dependent kinase 20
A_30_P01024936	0.00126593	0.449		
A_52_P38627	0.000225017	0.449	**Egf**	epidermal growth factor
A_52_P359502	9.69E-08	0.450	**Pdxk**	pyridoxal (pyridoxine, vitamin B6) kinase
A_55_P2138065	0.00239216	0.450		
A_55_P2322620	0.000566261	0.450		
A_55_P2167339	0.000335225	0.450	**Cnot3**	CCR4-NOT transcription complex, subunit 3
A_52_P538673	3.51E-06	0.450	**Fgf1**	fibroblast growth factor 1
A_55_P2158227	0.000149876	0.450	**Angpt1**	angiopoietin 1
A_52_P476904	0.000450005	0.450		
A_55_P2130388	9.34E-05	0.450	**Mical1**	microtubule associated monoxygenase, calponin and LIM domain containing 1
A_55_P2109257	7.69E-05	0.450	**Nipal3**	NIPA-like domain containing 3
A_55_P2138816	2.40E-07	0.450	**2810021B07Rik**	RIKEN cDNA 2810021B07 gene
A_51_P335969	0.000151918	0.450	**Des**	desmin
A_55_P1985882	5.84E-06	0.451	**Fastkd1**	FAST kinase domains 1
A_55_P1984675	1.41E-07	0.451	**Abhd6**	abhydrolase domain containing 6
A_55_P2147126	0.001075151	0.451	**Zfp712**	zinc finger protein 712
A_51_P240421	0.003767572	0.451	**Pcdhb14**	protocadherin beta 14
A_55_P2095196	2.67E-05	0.451	**Akr1b10**	aldo-keto reductase family 1, member B10 (aldose reductase)
A_52_P11618	0.00066058	0.451	**Dusp19**	dual specificity phosphatase 19
A_51_P485421	0.001292343	0.451		
A_51_P126337	0.001834765	0.451	**Fgf12**	fibroblast growth factor 12
A_66_P126563	6.28E-05	0.451	**1700113I22Rik**	RIKEN cDNA 1700113I22 gene
A_51_P124748	5.53E-05	0.451	**Tgfb3**	transforming growth factor, beta 3
A_30_P01017972	2.41E-05	0.451		
A_51_P176883	2.70E-05	0.451	**2700050L05Rik**	RIKEN cDNA 2700050L05 gene
A_51_P121302	4.26E-05	0.451	**Them4**	thioesterase superfamily member 4
A_55_P1965114	5.90E-07	0.452	**Spsb3**	splA/ryanodine receptor domain and SOCS box containing 3
A_52_P569549	0.000107583	0.452	**Lig4**	ligase IV, DNA, ATP-dependent
A_55_P2159865	4.12E-06	0.452	**Zfp59**	zinc finger protein 59
A_51_P483280	2.94E-05	0.452	**Prnp**	prion protein
A_51_P418560	1.41E-05	0.452	**Lnx2**	ligand of numb-protein X 2
A_51_P323299	3.83E-08	0.452	**Trim28**	tripartite motif-containing 28
A_55_P2074154	4.75E-06	0.452	**Dhx57**	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57
A_55_P2197338	9.20E-06	0.452		
A_51_P117739	4.26E-05	0.452	**Figf**	c-fos induced growth factor
A_55_P2114009	6.37E-08	0.452	**Ankra2**	ankyrin repeat, family A (RFXANK-like), 2
A_30_P01027568	0.001472656	0.452		
A_55_P2061465	2.74E-08	0.452	**Klraq1**	KLRAQ motif containing 1
A_55_P2031133	1.99E-05	0.453		
A_30_P01022288	2.51E-07	0.453		
A_55_P2007878	1.57E-05	0.453	**Rnf144b**	ring finger protein 144B
A_51_P438952	6.90E-06	0.453	**Bag4**	BCL2-associated athanogene 4
A_51_P483280	5.53E-05	0.453	**Prnp**	prion protein
A_55_P2063336	0.000525053	0.453	**4930427A07Rik**	RIKEN cDNA 4930427A07 gene
A_55_P2234361	2.04E-06	0.453	**Rnf150**	ring finger protein 150
A_55_P2040416	2.81E-06	0.453	**1700040I03Rik**	RIKEN cDNA 1700040I03 gene
A_55_P2425437	1.57E-05	0.453	**D030036P13Rik**	RIKEN cDNA D030036P13 gene
A_55_P2130399	1.08E-07	0.453	**Rilp**	Rab interacting lysosomal protein
A_55_P1988970	4.11E-07	0.453	**Mkks**	McKusick-Kaufman syndrome protein
A_51_P464394	2.00E-05	0.453	**Klb**	klotho beta
A_30_P01027793	0.003137209	0.453		
A_55_P2373872	0.000212166	0.453	**C630016N16Rik**	RIKEN cDNA C630016N16 gene
A_51_P338262	0.000639695	0.453	**Tnnt2**	troponin T2, cardiac
A_52_P355095	2.10E-05	0.454	**Dstyk**	dual serine/threonine and tyrosine protein kinase
A_55_P1988718	0.004091493	0.454		
A_51_P279623	1.86E-07	0.454	**2900092E17Rik**	RIKEN cDNA 2900092E17 gene
A_55_P2033586	0.000237221	0.454	**Mmab**	methylmalonic aciduria (cobalamin deficiency) type B homolog (human)
A_52_P167114	4.20E-06	0.454	**Recql5**	RecQ protein-like 5
A_51_P134972	7.21E-09	0.454	**Shkbp1**	Sh3kbp1 binding protein 1
A_55_P2002389	8.83E-08	0.454	**Cobra1**	cofactor of BRCA1
A_55_P2176025	0.003246915	0.454	**Gm4532**	predicted gene 4532
A_30_P01032690	2.57E-07	0.454		
A_52_P175028	0.000104908	0.454		
A_51_P483280	0.000143898	0.454	**Prnp**	prion protein
A_51_P102507	2.40E-07	0.454	**Vps33a**	vacuolar protein sorting 33A (yeast)
A_51_P455241	9.82E-08	0.454	**Rrp36**	ribosomal RNA processing 36 homolog (S. cerevisiae)
A_51_P230552	6.06E-06	0.454	**Rfng**	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_51_P336827	1.75E-05	0.454	**Cyb5b**	cytochrome b5 type B
A_55_P2015485	0.001999393	0.454	**Ccdc19**	coiled-coil domain containing 19
A_51_P312997	1.11E-06	0.455	**Zfp346**	zinc finger protein 346
A_55_P2054409	0.001106395	0.455	**Pira2**	paired-Ig-like receptor A2
A_55_P1985094	3.18E-07	0.455	**Wdr8**	WD repeat domain 8
A_55_P2029203	0.00045276	0.455	**Dopey2**	dopey family member 2
A_55_P1960023	1.29E-05	0.455	**Trmt5**	TRM5 tRNA methyltransferase 5 homolog (S. cerevisiae)
A_52_P11833	9.09E-07	0.455	**Opa3**	optic atrophy 3 (human)
A_30_P01030572	0.000110343	0.455		
A_51_P483280	0.000126227	0.455	**Prnp**	prion protein
A_52_P142191	0.000804568	0.455	**Aph1b**	anterior pharynx defective 1b homolog (C. elegans)
A_55_P1966755	1.47E-06	0.456	**Cyp2r1**	cytochrome P450, family 2, subfamily r, polypeptide 1
A_55_P2024808	5.71E-06	0.456	**Abl1**	c-abl oncogene 1, non-receptor tyrosine kinase
A_55_P1991295	0.000286005	0.456	**BC029214**	cDNA sequence BC029214
A_55_P2014928	9.21E-05	0.456	**Zfp341**	zinc finger protein 341

A_55_P2067181	8.49E-08	0.456	**Usp21**	ubiquitin specific peptidase 21
A_52_P670188	0.000160925	0.456	**Sdr9c7**	4short chain dehydrogenase/reductase family 9C, member 7
A_55_P2135383	2.80E-06	0.456	**Taf6l**	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor
A_55_P2157610	8.04E-08	0.456	**Rpusd3**	RNA pseudouridylate synthase domain containing 3
A_55_P2167630	0.000989947	0.456	**6330416G13Rik**	RIKEN cDNA 6330416G13 gene
A_55_P1965308	6.85E-07	0.456	**Ccdc66**	coiled-coil domain containing 66
A_66_P115453	2.47E-06	0.456	**Coro1c**	coronin, actin binding protein 1C
A_55_P2053097	0.003514019	0.456	**Myo9a**	myosin IXa
A_55_P2184741	4.68E-07	0.457	**Katnal1**	katanin p60 subunit A-like 1
A_30_P01022541	0.000964675	0.457		
A_55_P2026547	3.12E-06	0.457	**Gal3st2**	galactose-3-O-sulfotransferase 2
A_55_P1991124	0.000170128	0.457	**Tom1l2**	target of myb1-like 2 (chicken)
A_55_P2024953	8.39E-06	0.457	**Tbc1d4**	TBC1 domain family, member 4
A_55_P2076906	7.66E-05	0.457	**Ehd2**	EH-domain containing 2
A_51_P483280	5.38E-05	0.457	**Prnp**	prion protein
A_55_P2090708	2.17E-07	0.457	**1810008A18Rik**	RIKEN cDNA 1810008A18 gene
A_55_P2025959	3.27E-05	0.457	**Chd9**	chromodomain helicase DNA binding protein 9
A_55_P1983162	0.000455253	0.457	**Pstpip2**	proline-serine-threonine phosphatase-interacting protein 2
A_30_P01028021	2.82E-05	0.457		
A_55_P2152872	6.93E-05	0.457	**Fgfrl1**	fibroblast growth factor receptor-like 1
A_51_P505696	5.08E-06	0.457	**Inpp5k**	inositol polyphosphate 5-phosphatase K
A_51_P483280	1.37E-05	0.457	**Prnp**	prion protein
A_51_P454691	5.04E-06	0.457	**4930430F08Rik**	RIKEN cDNA 4930430F08 gene
A_30_P01026441	0.000266803	0.457		
A_55_P2045658	0.000915103	0.457	**Nme6**	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)
A_30_P01024465	0.002139691	0.457		
A_30_P01033176	9.25E-05	0.458		
A_51_P483280	3.83E-05	0.458	**Prnp**	prion protein
A_51_P125446	6.72E-07	0.458	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P159565	0.000315038	0.458	**Arhgef9**	CDC42 guanine nucleotide exchange factor (GEF) 9
A_55_P2094019	1.74E-05	0.458	**Slc17a4**	solute carrier family 17 (sodium phosphate), member 4
A_52_P253567	7.89E-06	0.458	**Hsd3b6**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6
A_51_P219385	1.89E-05	0.458	**Six5**	sine oculis-related homeobox 5 homolog (Drosophila)
A_51_P486512	2.00E-07	0.458	**Letmd1**	LETM1 domain containing 1
A_55_P1960366	0.000400792	0.458	**Fam47e**	family with sequence similarity 47, member E
A_52_P655297	2.87E-05	0.459	**6430550D23Rik**	RIKEN cDNA 6430550D23 gene
A_51_P226962	0.000101098	0.459	**Solh**	small optic lobes homolog (Drosophila)
A_55_P2120956	0.000182905	0.459		
A_55_P2173331	6.68E-06	0.459	**LOC100044193**	hypothetical protein LOC100044193
A_55_P2112934	1.07E-05	0.459	**C030034I22Rik**	RIKEN cDNA C030034I22 gene
A_55_P1993762	9.91E-05	0.459		
A_55_P2153743	0.000335111	0.459	**Slc26a6**	solute carrier family 26, member 6
A_55_P2355330	2.28E-06	0.459	**C1qtnf5**	C1q and tumor necrosis factor related protein 5
A_66_P134501	0.000689565	0.459	**Olfm1**	olfactomedin 1
A_55_P2175060	2.44E-05	0.459	**Ppapdc1b**	phosphatidic acid phosphatase type 2 domain containing 1B
A_51_P314153	9.62E-07	0.460	**Nr2c2ap**	nuclear receptor 2C2-associated protein
A_55_P2127587	0.000249788	0.460	**Smcr8**	Smith-Magenis syndrome chromosome region, candidate 8 homolog (human)
A_55_P1996299	1.62E-07	0.460	**Pofut1**	protein O-fucosyltransferase 1
A_30_P01026232	0.000833466	0.460		
A_55_P2032362	0.001206324	0.460		
A_51_P428781	0.002136445	0.460	**Pbx4**	pre-B-cell leukemia homeobox 4
A_55_P1967153	2.49E-05	0.460	**Ston1**	stonin 1
A_55_P2117472	8.05E-06	0.460	**Acap2**	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2
A_52_P487362	0.000461386	0.460	**Ppp4r4**	protein phosphatase 4, regulatory subunit 4
A_52_P112178	5.97E-07	0.460	**Srgap2**	SLIT-ROBO Rho GTPase activating protein 2
A_51_P337543	1.46E-05	0.460	**Glce**	glucuronyl C5-epimerase
A_52_P128964	3.64E-07	0.460	**Nhej1**	nonhomologous end-joining factor 1
A_51_P125446	8.85E-08	0.460	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2042184	0.001095754	0.460		
A_55_P2110290	2.51E-06	0.460	**D14Ertd449e**	DNA segment, Chr 14, ERATO Doi 449, expressed
A_55_P2013996	0.001836037	0.460		
A_55_P1971938	0.002111339	0.460	**Atp2b2**	ATPase, Ca++ transporting, plasma membrane 2
A_52_P488427	8.79E-08	0.461	**Sec14l2**	SEC14-like 2 (S. cerevisiae)
A_55_P1961241	3.43E-05	0.461		
A_55_P2085546	1.15E-05	0.461	**Dnaja4**	DnaJ (Hsp40) homolog, subfamily A, member 4
A_55_P2045802	3.41E-07	0.461	**Nelf**	nasal embryonic LHRH factor
A_51_P139651	0.000212084	0.461	**Nos3**	nitric oxide synthase 3, endothelial cell
A_30_P01026674	0.003768995	0.461		
A_51_P118763	9.67E-06	0.461	**Ahctf1**	AT hook containing transcription factor 1
A_55_P2070194	6.74E-08	0.461	**Caprin1**	cell cycle associated protein 1
A_51_P370341	1.19E-06	0.461	**Zbtb48**	zinc finger and BTB domain containing 48
A_30_P01021116	0.000147014	0.461		
A_55_P2072925	0.000373752	0.462		
A_55_P2078650	0.000335918	0.462		
A_52_P240453	2.94E-05	0.462	**Polr3k**	polymerase (RNA) III (DNA directed) polypeptide K
A_51_P126302	0.001746155	0.462	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P122649	0.000562189	0.462	**Degs2**	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase
A_55_P2168243	1.53E-06	0.462		
A_52_P10017	7.68E-08	0.462	**Tmem64**	transmembrane protein 64
A_55_P1968544	0.003191863	0.462	**6330549D23Rik**	RIKEN cDNA 6330549D23 gene
A_55_P2033605	0.000134338	0.462		
A_51_P456366	4.04E-06	0.462	**Pard6a**	par-6 (partitioning defective 6,) homolog alpha (C. elegans)
A_55_P1999561	6.80E-05	0.462	**Pram1**	PML-RAR alpha-regulated adaptor molecule 1
A_51_P124748	1.99E-05	0.462	**Tgfb3**	transforming growth factor, beta 3
A_30_P01027487	0.000912108	0.462		
A_55_P2127497	4.38E-06	0.463	**Trim35**	tripartite motif-containing 35
A_55_P2088331	6.63E-06	0.463	**Ctdsp2**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2
A_65_P16542	0.000526488	0.463		
A_51_P158584	2.28E-07	0.463	**Poll**	polymerase (DNA directed), lambda
A_52_P138723	0.000211111	0.463	**Edc3**	enhancer of mRNA decapping 3 homolog (S. cerevisiae)
A_51_P378558	5.18E-08	0.463	**Rpap2**	RNA polymerase II associated protein 2
A_55_P2043322	1.86E-07	0.463	**Rnf26**	ring finger protein 26
A_55_P1983314	7.01E-05	0.463	**Crat**	carnitine acetyltransferase
A_55_P1962937	2.39E-05	0.463	**Trem2**	triggering receptor expressed on myeloid cells 2
A_66_P127118	8.42E-07	0.464	**Trmt112**	tRNA methyltransferase 11-2 homolog (S. cerevisiae)
A_52_P532074	1.15E-05	0.464	**Zfyve27**	zinc finger, FYVE domain containing 27
A_55_P2088131	1.28E-06	0.464	**Gm5595**	predicted gene 5595
A_55_P1989728	9.11E-06	0.464	**C2cd2l**	C2 calcium-dependent domain containing 2-like
A_51_P335969	0.000337254	0.464	**Des**	desmin
A_51_P114456	1.41E-05	0.464	**2210012G02Rik**	RIKEN cDNA 2210012G02 gene

A_55_P2102529	1.10E-05	0.464	**Fuca2**	fucosidase, alpha-L- 2, plasma
A_65_P10673	1.13E-05	0.464	**Tmem44**	transmembrane protein 44
A_55_P2064442	4.73E-07	0.464	**Pabpn1**	poly(A) binding protein, nuclear 1
A_51_P335969	3.94E-05	0.464	**Des**	desmin
A_51_P142046	4.87E-07	0.464	**1810049H13Rik**	RIKEN cDNA 1810049H13 gene
A_52_P481686	1.12E-05	0.464	**Wtip**	WT1-interacting protein
A_55_P1981259	1.23E-05	0.464	**Fkbp14**	FK506 binding protein 14
A_51_P422335	1.50E-05	0.464	**Zfp420**	zinc finger protein 420
A_51_P310254	0.004350036	0.465	**Fam118a**	family with sequence similarity 118, member A
A_52_P110068	4.03E-07	0.465	**Rqcd1**	rcd1 (required for cell differentiation) homolog 1 (S. pombe)
A_52_P155124	4.00E-05	0.465	**Zfp229**	zinc finger protein
A_30_P01028372	9.47E-06	0.465		
A_51_P460890	2.67E-06	0.465	**Rgl2**	ral guanine nucleotide dissociation stimulator-like 2
A_30_P01030406	0.000477115	0.465		
A_55_P1996988	2.64E-06	0.465	**Papd5**	PAP associated domain containing 5
A_55_P1999962	7.82E-06	0.465	**Podn**	podocan
A_55_P2169963	1.79E-05	0.465	**Gm13152**	predicted gene 13152
A_55_P1961270	0.001632573	0.465	**Cd72**	CD72 antigen
A_51_P479583	0.002048239	0.465	**Obsl1**	obscurin-like 1
A_51_P405565	2.38E-08	0.466	**Msh6**	mutS homolog 6 (E. coli)
A_30_P01031474	3.82E-05	0.466		
A_55_P2335529	3.38E-05	0.466	**4921531C22Rik**	RIKEN cDNA 4921531C22 gene
A_55_P2077879	5.24E-06	0.466	**Myst4**	MYST histone acetyltransferase monocytic leukemia 4
A_30_P01027361	0.001549098	0.466		
A_51_P124748	6.69E-06	0.466	**Tgfb3**	transforming growth factor, beta 3
A_52_P682382	0.000353389	0.467	**Scd1**	stearoyl-Coenzyme A desaturase 1
A_55_P2022293	2.59E-07	0.467	**Zfp579**	zinc finger protein 579
A_55_P2117741	1.52E-05	0.467	**Nck2**	non-catalytic region of tyrosine kinase adaptor protein 2
A_51_P511386	3.58E-05	0.467	**D3Ertd254e**	DNA segment, Chr 3, ERATO Doi 254, expressed
A_55_P2115567	0.00010855	0.467	**Slc26a1**	solute carrier family 26 (sulfate transporter), member 1
A_55_P1986993	0.000116891	0.467	**Brd8**	bromodomain containing 8
A_51_P118763	1.55E-05	0.467	**Ahctf1**	AT hook containing transcription factor 1
A_55_P2131506	8.45E-06	0.467		
A_30_P01029168	1.01E-06	0.467		
A_55_P1967439	3.38E-06	0.467	**Gtf2h2**	general transcription factor II H, polypeptide 2
A_55_P1984497	9.15E-07	0.467	**Usp48**	ubiquitin specific peptidase 48
A_55_P1993909	2.92E-06	0.467	**Taz**	tafazzin
A_55_P2177953	2.97E-06	0.467	**Aqp11**	aquaporin 11
A_66_P124052	0.001648242	0.467	**Bok**	BCL2-related ovarian killer protein
A_66_P104446	0.000845915	0.467	**Gm98**	predicted gene 98
A_51_P483280	0.000155769	0.467	**Prnp**	prion protein
A_55_P2003614	0.000557693	0.467	**4930480K23Rik**	RIKEN cDNA 4930480K23 gene
A_51_P154485	0.001624228	0.468	**Fcrla**	Fc receptor-like A
A_52_P275678	0.003963744	0.468	**Gpr135**	G protein-coupled receptor 135
A_30_P01019500	0.001587165	0.468		
A_55_P2016466	0.000631441	0.468	**Rccd1**	RCC1 domain containing 1
A_52_P488596	2.84E-05	0.468	**Ap1s2**	adaptor-related protein complex 1, sigma 2 subunit
A_52_P249920	3.16E-06	0.468		
A_55_P2071802	3.13E-07	0.468	**Slbp**	stem-loop binding protein
A_55_P2082050	0.000461675	0.468	**Ankrd12**	ankyrin repeat domain 12
A_55_P2162890	5.51E-05	0.468	**Zfp780b**	zinc finger protein 780B
A_52_P545831	7.05E-05	0.468	**Tssc1**	tumor suppressing subtransferable candidate 1
A_51_P295085	5.10E-05	0.468	**Ogn**	osteoglycin
A_52_P644690	9.22E-07	0.468	**Flt3l**	FMS-like tyrosine kinase 3 ligand
A_30_P01018616	0.000652144	0.468		
A_52_P494126	1.46E-07	0.468	**Usp46**	ubiquitin specific peptidase 46
A_52_P407035	0.00219191	0.468	**P2ry4**	pyrimidinergic receptor P2Y, G-protein coupled, 4
A_51_P437144	1.47E-07	0.468	**Dynll2**	dynein light chain LC8-type 2
A_51_P485421	0.003343748	0.469		
A_52_P282987	4.36E-07	0.469	**Yeats2**	YEATS domain containing 2
A_55_P1959076	3.47E-05	0.469	**Zfp930**	zinc finger protein 930
A_30_P01026205	3.37E-09	0.469		
A_51_P415220	8.68E-07	0.469	**Zmat3**	zinc finger matrin type 3
A_55_P1995572	9.34E-06	0.469	**Meis1**	Meis homeobox 1
A_51_P249313	0.000115644	0.469	**Herc3**	hect domain and RLD 3
A_51_P124748	3.22E-06	0.469	**Tgfb3**	transforming growth factor, beta 3
A_51_P255657	0.003411736	0.469	**2210011C24Rik**	RIKEN cDNA 2210011C24 gene
A_51_P509971	1.59E-05	0.469	**Plekho1**	pleckstrin homology domain containing, family O member 1
A_66_P121474	1.31E-07	0.469	**Chmp6**	chromatin modifying protein 6
A_30_P01026904	1.87E-05	0.469		
A_52_P215418	7.47E-06	0.469	**Armc9**	armadillo repeat containing 9
A_30_P01020428	4.95E-05	0.469		
A_55_P2368355	0.000876257	0.469	**2610319H10Rik**	RIKEN cDNA 2610319H10 gene
A_51_P124748	1.49E-05	0.470	**Tgfb3**	transforming growth factor, beta 3
A_51_P107433	7.25E-06	0.470	**Mrpl34**	mitochondrial ribosomal protein L34
A_55_P1973254	5.21E-05	0.470	**Cmtm7**	CKLF-like MARVEL transmembrane domain containing 7
A_51_P124748	7.96E-05	0.470	**Tgfb3**	transforming growth factor, beta 3
A_51_P244194	5.80E-07	0.470	**Cadm3**	cell adhesion molecule 3
A_55_P2055975	1.78E-05	0.470	**Ppip5k1**	diphosphoinositol pentakisphosphate kinase 1
A_51_P234174	3.76E-06	0.470	**Pms2**	postmeiotic segregation increased 2 (S. cerevisiae)
A_51_P271665	3.50E-07	0.470	**Rev3l**	REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like (S. cerevisiae)
A_52_P475040	3.23E-07	0.470	**Etaa1**	Ewing's tumor-associated antigen 1
A_51_P292757	3.04E-07	0.470	**Acbd4**	acyl-Coenzyme A binding domain containing 4
A_55_P2013601	1.13E-05	0.470	**Ldb2**	LIM domain binding 2
A_55_P2128792	0.000116561	0.470	**LOC100040377**	hypothetical protein LOC100040377
A_55_P2100256	6.55E-05	0.470	**6330408A02Rik**	RIKEN cDNA 6330408A02 gene
A_52_P481279	4.73E-05	0.470	**Gm1060**	predicted gene 1060
A_55_P2022861	2.48E-07	0.470	**Elovl1**	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1
A_51_P335969	0.000314419	0.470	**Des**	desmin
A_55_P2341950	6.47E-06	0.470	**Crebzf**	CREB/ATF bZIP transcription factor
A_51_P128499	0.002485981	0.470	**Dennd3**	DENN/MADD domain containing 3
A_51_P126302	0.000698432	0.470	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P287069	4.71E-06	0.470	**Serpinh1**	serine (or cysteine) peptidase inhibitor, clade H, member 1
A_55_P2058861	2.17E-05	0.470	**Mvk**	mevalonate kinase
A_66_P102706	0.000380283	0.470	**2700012I20Rik**	RIKEN cDNA 2700012I20 gene
A_51_P431996	4.25E-06	0.470	**Zfp367**	zinc finger protein 367
A_30_P01029649	0.000465783	0.470		
A_52_P221804	4.92E-05	0.470	**Trim23**	tripartite motif-containing 23
A_55_P1969276	0.000192836	0.471	**Hhip**	Hedgehog-interacting protein
A_55_P2163774	1.25E-06	0.471	**Crip1**	cysteine-rich protein 1 (intestinal)

A_55_P2008687	2.21E-07	0.471	**Nlk**	nemo like kinase
A_51_P428134	5.71E-07	0.471	**Lrig3**	leucine-rich repeats and immunoglobulin-like domains 3
A_30_P01028031	0.003771539	0.471		
A_30_P01019899	0.002146711	0.471		
A_51_P378667	1.33E-07	0.471	**Wrap53**	WD repeat containing, antisense to TP53
A_55_P2214003	0.001797512	0.471	**4932439E07Rik**	RIKEN cDNA 4932439E07 gene
A_55_P1989534	6.29E-06	0.471	**Cklf**	chemokine-like factor
A_55_P2014450	9.21E-07	0.471	**B430105G09Rik**	RIKEN cDNA B430105G09 gene
A_52_P404363	1.20E-06	0.471	**Cdc42bpb**	CDC42 binding protein kinase beta
A_51_P213592	2.51E-07	0.471	**BC002230**	cDNA sequence BC002230
A_55_P2083919	0.001261869	0.471	**Robo2**	roundabout homolog 2 (Drosophila)
A_55_P2150108	0.000132867	0.471	**Pgm2l1**	phosphoglucomutase 2-like 1
A_51_P176912	4.82E-05	0.471	**Hlcs**	holocarboxylase synthetase (biotin- [propriony-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)
A_55_P1993719	6.80E-06	0.471	**Tmem216**	transmembrane protein 216
A_51_P124748	1.37E-06	0.472	**Tgfb3**	transforming growth factor, beta 3
A_66_P127175	1.81E-05	0.472	**Ankrd16**	ankyrin repeat domain 16
A_52_P242445	1.89E-07	0.472	**Fam149b**	family with sequence similarity 149, member B
A_55_P2093241	7.19E-10	0.472	**Zc3h4**	zinc finger CCCH-type containing 4
A_51_P122425	5.19E-07	0.472	**Ctf1**	cardiotrophin 1
A_55_P2020463	3.73E-06	0.472	**Rufy2**	RUN and FYVE domain-containing 2
A_51_P196127	2.87E-06	0.472	**Papss1**	3'-phosphoadenosine 5'-phosphosulfate synthase 1
A_55_P1980416	7.42E-07	0.472	**Zkscan1**	zinc finger with KRAB and SCAN domains 1
A_51_P509384	2.20E-06	0.472	**Aldh8a1**	aldehyde dehydrogenase 8 family, member A1
A_51_P485161	4.34E-05	0.472	**Cplx2**	complexin 2
A_51_P394735	4.38E-06	0.472	**Arhgef18**	rho/rac guanine nucleotide exchange factor (GEF) 18
A_51_P118763	3.19E-05	0.472	**Ahctf1**	AT hook containing transcription factor 1
A_52_P30550	1.30E-07	0.473	**Acp2**	acid phosphatase 2, lysosomal
A_55_P2138120	1.56E-05	0.473	**Atxn7l3**	ataxin 7-like 3
A_55_P2299116	1.25E-05	0.473	**LOC100503774**	hypothetical LOC100503774
A_30_P01018735	0.0020557	0.473		
A_51_P122425	1.48E-06	0.473	**Ctf1**	cardiotrophin 1
A_30_P01023575	0.000220817	0.473		
A_55_P1999309	2.91E-05	0.474	**Zfp668**	zinc finger protein 668
A_51_P444069	8.04E-07	0.474	**Tubgcp6**	tubulin, gamma complex associated protein 6
A_55_P2050997	3.32E-05	0.474	**Serinc4**	serine incorporator 4
A_55_P1960587	9.58E-06	0.474	**Msh3**	mutS homolog 3 (E. coli)
A_55_P2011325	0.000189357	0.474	**Gm6598**	predicted gene 6598
A_55_P2062981	0.000268996	0.474	**Abca9**	ATP-binding cassette, sub-family A (ABC1), member 9
A_55_P2348582	0.000235121	0.474	**4833439F03Rik**	RIKEN cDNA 4833439F03 gene
A_55_P2007022	0.000193179	0.474	**Cd97**	CD97 antigen
A_52_P473953	0.00017914	0.474	**Ctdspl**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like
A_55_P2112937	0.002388534	0.474	**Olfr1033**	olfactory receptor 1033
A_55_P2095325	5.19E-06	0.474	**AI182371**	expressed sequence AI182371
A_55_P1964228	2.35E-05	0.474	**Elac1**	elaC homolog 1 (E. coli)
A_30_P01032116	0.000180654	0.474		
A_51_P498947	2.78E-06	0.474	**Loh12cr1**	loss of heterozygosity, 12, chromosomal region 1 homolog (human)
A_30_P01032456	0.000157902	0.474		
A_51_P118763	1.02E-05	0.475	**Ahctf1**	AT hook containing transcription factor 1
A_55_P2077548	1.26E-06	0.475	**Git1**	G protein-coupled receptor kinase-interactor 1
A_51_P389714	2.12E-05	0.475	**Phlpp2**	PH domain and leucine rich repeat protein phosphatase 2
A_55_P2083464	6.68E-05	0.475	**Lpin3**	lipin 3
A_51_P443872	9.06E-08	0.475	**Slu7**	SLU7 splicing factor homolog (S. cerevisiae)
A_52_P606679	1.41E-07	0.475	**Tceb3**	transcription elongation factor B (SIII), polypeptide 3
A_30_P01024001	0.000435174	0.475		
A_51_P237834	5.70E-06	0.475	**Tmcc1**	transmembrane and coiled coil domains 1
A_55_P1993594	4.01E-05	0.475	**Dcp1b**	DCP1 decapping enzyme homolog b (S. cerevisiae)
A_55_P2108476	4.18E-08	0.475	**Mavs**	mitochondrial antiviral signaling protein
A_55_P1971244	2.03E-05	0.475	**Ndufa4l2**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2
A_55_P2041090	4.13E-06	0.475	**1110034B05Rik**	RIKEN cDNA 1110034B05 gene
A_55_P2110615	0.001697392	0.475	**Slc37a2**	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
A_55_P2096599	0.000106568	0.475	**Tsc22d4**	TSC22 domain family, member 4
A_52_P110270	2.51E-05	0.475	**Rdbp**	RD RNA-binding protein
A_52_P163021	0.000658541	0.475	**Slc17a8**	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8
A_51_P151433	2.66E-06	0.475	**Ncbp2**	nuclear cap binding protein subunit 2
A_52_P217604	1.74E-06	0.475	**Zfp692**	zinc finger protein 692
A_52_P253230	3.39E-07	0.475	**Ankrd46**	ankyrin repeat domain 46
A_55_P1957125	0.001369962	0.475	**Vmn2r46**	vomeronasal 2, receptor 46
A_55_P2079344	1.80E-05	0.475	**Zfp362**	zinc finger protein 362
A_51_P438527	7.75E-06	0.475	**Cyb5r1**	cytochrome b5 reductase 1
A_55_P2106901	0.000458997	0.475	**Nkain4**	Na+/K+ transporting ATPase interacting 4
A_51_P212420	0.000349874	0.475	**Lama4**	laminin, alpha 4
A_51_P369971	2.62E-08	0.475	**5730455O13Rik**	RIKEN cDNA 5730455O13 gene
A_52_P425706	5.26E-06	0.476	**Rnf168**	ring finger protein 168
A_55_P2069306	3.61E-05	0.476	**Ptpn18**	protein tyrosine phosphatase, non-receptor type 18
A_30_P01026445	1.36E-07	0.476		
A_51_P267194	2.41E-07	0.476	**Faim**	Fas apoptotic inhibitory molecule
A_55_P2008982	1.02E-05	0.476		
A_55_P1954856	0.003747348	0.476	**Pars2**	prolyl-tRNA synthetase (mitochondrial)(putative)
A_55_P2269497	3.60E-05	0.476	**Pdp1**	pyruvate dehyrogenase phosphatase catalytic subunit 1
A_55_P2170009	0.000573654	0.476	**Lactb2**	lactamase, beta 2
A_55_P2056473	0.000164638	0.476	**Spc24**	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)
A_55_P2102050	3.43E-08	0.476	**Cc2d1b**	coiled-coil and C2 domain containing 1B
A_51_P427934	1.23E-05	0.476	**Megf8**	multiple EGF-like-domains 8
A_52_P449694	1.58E-05	0.476	**EG668643**	predicted gene, EG668643
A_55_P1963737	8.40E-06	0.476	**Aktip**	thymoma viral proto-oncogene 1 interacting protein
A_30_P01028059	0.000484007	0.476		
A_51_P508191	1.08E-07	0.477	**Dscr3**	Down syndrome critical region gene 3
A_55_P2050207	3.88E-08	0.477	**Ankrd27**	ankyrin repeat domain 27 (VPS9 domain)
A_55_P2005972	1.41E-05	0.477		
A_66_P113487	7.02E-06	0.477	**Pacsin2**	protein kinase C and casein kinase substrate in neurons 2
A_55_P2263053	0.00103764	0.477	**Hal**	histidine ammonia lyase
A_51_P331661	8.60E-07	0.477	**Ubiad1**	UbiA prenyltransferase domain containing 1
A_55_P2402134	0.001895459	0.477		
A_52_P195922	1.50E-05	0.477	**Exosc6**	exosome component 6
A_30_P01027254	0.004049723	0.477		
A_30_P01019766	1.00E-05	0.477		
A_52_P275354	0.0001828	0.477	**Osbpl7**	oxysterol binding protein-like 7
A_55_P2006703	1.03E-06	0.477	**Bmp1**	bone morphogenetic protein 1
A_51_P208769	0.000103579	0.477	**Metrn**	meteorin, glial cell differentiation regulator
A_55_P2056493	0.000622357	0.477		

A_51_P118763	1.60E-05	0.477	**Ahctf1**	AT hook containing transcription factor 1
A_51_P454152	2.23E-06	0.477	**Ercc6**	excision repair cross-complementing rodent repair deficiency, complementation group 6
A_51_P114826	0.000326283	0.477	**Cdh13**	cadherin 13
A_30_P01024556	3.33E-05	0.477		
A_55_P2014927	5.50E-05	0.477	**Zfp341**	zinc finger protein 341
A_55_P2030732	0.000109218	0.478	**Cln3**	ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease)
A_30_P01024314	0.000943468	0.478		
A_51_P122425	8.79E-06	0.478	**Ctf1**	cardiotrophin 1
A_55_P2413458	0.000110445	0.478	**Tcfcp2l1**	transcription factor CP2-like 1
A_30_P01033124	0.000538677	0.478		
A_55_P1959606	1.14E-05	0.478	**Tom1l1**	target of myb1-like 1 (chicken)
A_55_P2060737	2.47E-07	0.478	**Rg9mtd3**	RNA (guanine-9-) methyltransferase domain containing 3
A_55_P2072776	6.06E-07	0.479	**Fpgs**	folylpolyglutamyl synthetase
A_52_P324754	0.000346107	0.479	**4930579G22Rik**	RIKEN cDNA 4930579G22 gene
A_55_P2002122	1.83E-06	0.479	**Rgs12**	regulator of G-protein signaling 12
A_55_P2288232	6.83E-06	0.479	**6330407I18Rik**	RIKEN cDNA 6330407I18 gene
A_55_P1998601	0.000476749	0.479	**Slc17a9**	solute carrier family 17, member 9
A_51_P328968	1.69E-06	0.479	**Zfp322a**	zinc finger protein 322A
A_55_P2052185	1.00E-06	0.479	**2400001E08Rik**	RIKEN cDNA 2400001E08 gene
A_55_P2091136	0.001029279	0.479		
A_55_P2002497	0.001737876	0.479	**Srcap**	Snf2-related CREBBP activator protein
A_55_P1959703	0.001451814	0.479		
A_55_P2302383	0.001380408	0.479	**3300002A11Rik**	RIKEN cDNA 3300002A11 gene
A_55_P2153555	6.26E-07	0.479	**Zkscan3**	zinc finger with KRAB and SCAN domains 3
A_55_P2046494	7.93E-05	0.479	**Anubl1**	AN1, ubiquitin-like, homolog (Xenopus laevis)
A_51_P259571	1.95E-06	0.479	**Angptl6**	angiopoietin-like 6
A_51_P118763	2.35E-05	0.479	**Ahctf1**	AT hook containing transcription factor 1
A_51_P125446	6.89E-08	0.479	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2156515	8.29E-05	0.479		
A_52_P244702	0.000319622	0.480	**Tcf7**	transcription factor 7, T-cell specific
A_55_P1957967	1.50E-06	0.480	**Dhx32**	DEAH (Asp-Glu-Ala-His) box polypeptide 32
A_55_P2168048	0.00067976	0.480	**Gramd4**	GRAM domain containing 4
A_51_P124748	0.000137848	0.480	**Tgfb3**	transforming growth factor, beta 3
A_51_P122425	1.18E-05	0.480	**Ctf1**	cardiotrophin 1
A_55_P2166681	9.24E-06	0.480		
A_30_P01019901	6.30E-05	0.480		
A_52_P668715	2.47E-06	0.480	**Nutf2**	nuclear transport factor 2
A_52_P235278	1.04E-06	0.480	**Pms1**	postmeiotic segregation increased 1 (S. cerevisiae)
A_30_P01022056	0.003186266	0.480		
A_51_P335969	0.000236895	0.480	**Des**	desmin
A_30_P01028318	2.82E-05	0.480		
A_66_P112816	0.001691032	0.480	**B4galt6**	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6
A_55_P2023727	0.001742265	0.480	**Limch1**	LIM and calponin homology domains 1
A_51_P245393	5.38E-08	0.480	**L3mbtl2**	l(3)mbt-like 2 (Drosophila)
A_51_P345792	1.51E-06	0.480	**Tmem180**	transmembrane protein 180
A_52_P68477	0.000268467	0.480	**Zfp809**	zinc finger protein 809
A_51_P161554	3.02E-05	0.481	**Arid3b**	AT rich interactive domain 3B (BRIGHT-like)
A_51_P107433	3.20E-06	0.481	**Mrpl34**	mitochondrial ribosomal protein L34
A_51_P431554	4.80E-05	0.481	**2310004N24Rik**	RIKEN cDNA 2310004N24 gene
A_51_P122425	1.46E-05	0.481	**Ctf1**	cardiotrophin 1
A_55_P2139937	6.24E-05	0.481	**Lrrc56**	leucine rich repeat containing 56
A_55_P2063096	6.14E-06	0.481	**Txnrd3**	thioredoxin reductase 3
A_52_P58471	5.39E-06	0.481	**Tmem199**	transmembrane protein 199
A_55_P2015032	1.38E-06	0.481	**Kazald1**	Kazal-type serine peptidase inhibitor domain 1
A_51_P187665	1.92E-07	0.481	**Rmi1**	RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae)
A_55_P2160286	0.000497069	0.481	**Olfm1**	olfactomedin 1
A_52_P157450	1.93E-06	0.481	**Abhd1**	abhydrolase domain containing 1
A_51_P359137	0.00022481	0.481	**Doc2g**	double C2, gamma
A_51_P256945	2.38E-08	0.481	**Opa3**	optic atrophy 3 (human)
A_51_P408989	3.26E-06	0.481	**2810055F11Rik**	RIKEN cDNA 2810055F11 gene
A_51_P220343	0.000197092	0.481	**Wisp1**	WNT1 inducible signaling pathway protein 1
A_51_P474169	1.26E-05	0.481	**5430407P10Rik**	RIKEN cDNA 5430407P10 gene
A_55_P2150452	1.45E-05	0.481		
A_55_P2031496	2.27E-05	0.481	**Rufy3**	RUN and FYVE domain containing 3
A_30_P01017563	7.77E-05	0.482		
A_65_P05238	1.97E-06	0.482	**2310008H09Rik**	RIKEN cDNA 2310008H09 gene
A_30_P01019173	1.39E-05	0.482		
A_30_P01022642	0.000629942	0.482		
A_51_P107433	1.44E-06	0.482	**Mrpl34**	mitochondrial ribosomal protein L34
A_55_P2050622	1.35E-06	0.482	**Sh3d19**	SH3 domain protein D19
A_51_P125446	7.62E-06	0.482	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P117739	0.000243366	0.482	**Figf**	c-fos induced growth factor
A_51_P261351	2.34E-08	0.482	**Mrpl49**	mitochondrial ribosomal protein L49
A_52_P672740	1.03E-05	0.483	**Rala**	v-ral simian leukemia viral oncogene homolog A (ras related)
A_55_P2109585	0.000831155	0.483	**Plekha7**	pleckstrin homology domain containing, family A member 7
A_30_P01022259	0.002088552	0.483		
A_51_P310398	7.52E-06	0.483	**Tk2**	thymidine kinase 2, mitochondrial
A_30_P01025069	0.001984541	0.483		
A_55_P2085816	0.001917374	0.483	**1700037H04Rik**	RIKEN cDNA 1700037H04 gene
A_51_P328932	5.60E-07	0.483	**Tmem165**	transmembrane protein 165
A_65_P09657	3.21E-06	0.483	**Zfp213**	zinc finger protein 213
A_55_P2052744	9.19E-07	0.483		
A_51_P117739	0.000136435	0.483	**Figf**	c-fos induced growth factor
A_55_P2121456	2.31E-05	0.483	**Fam43a**	family with sequence similarity 43, member A
A_52_P24365	8.75E-05	0.483	**Lrriq3**	leucine-rich repeats and IQ motif containing 3
A_30_P01022253	5.50E-05	0.483		
A_51_P209372	0.001389137	0.483	**Sc4mol**	sterol-C4-methyl oxidase-like
A_51_P317115	1.26E-06	0.483	**Wdr18**	WD repeat domain 18
A_66_P124806	0.001468652	0.483	**Tlr4**	toll-like receptor 4
A_55_P2057523	1.14E-07	0.483	**Ppm1b**	protein phosphatase 1B, magnesium dependent, beta isoform
A_55_P1957918	1.11E-05	0.483	**Asap2**	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2
A_51_P180140	2.80E-06	0.483	**Hist1h2ba**	histone cluster 1, H2ba
A_55_P2143219	0.002616699	0.484	**Rasgrp2**	RAS, guanyl releasing protein 2
A_52_P670263	7.75E-05	0.484	**Tfpi**	tissue factor pathway inhibitor
A_51_P125446	1.29E-05	0.484	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_52_P526372	0.000635459	0.484	**Zeb2**	zinc finger E-box binding homeobox 2
A_55_P2046348	1.08E-07	0.484	**Itpripl2**	inositol 1,4,5-triphosphate receptor interacting protein-like 2
A_55_P2114427	4.82E-06	0.484	**Creb1**	cAMP responsive element binding protein 1
A_52_P361081	0.002596795	0.484	**Arhgef16**	Rho guanine nucleotide exchange factor (GEF) 16
A_55_P2065824	6.43E-06	0.484	**Smtn**	smoothelin

A_66_P115236	0.002225674	0.484	**1810010D01Rik**	RIKEN cDNA 1810010D01 gene
A_55_P1981731	0.000116622	0.484	**Nr2c2**	nuclear receptor subfamily 2, group C, member 2
A_51_P117739	0.000239632	0.485	**Figf**	c-fos induced growth factor
A_55_P2159432	2.07E-05	0.485	**Fndc4**	fibronectin type III domain containing 4
A_55_P2094362	2.74E-06	0.485	**Erp29**	endoplasmic reticulum protein 29
A_52_P554679	3.01E-05	0.485		
A_55_P1984496	2.40E-06	0.485	**Usp48**	ubiquitin specific peptidase 48
A_51_P401987	4.73E-06	0.485	**Tmem37**	transmembrane protein 37
A_55_P2087746	0.001368817	0.485	**Ppp6r2**	protein phosphatase 6, regulatory subunit 2
A_55_P1998651	9.97E-05	0.485	**Entpd5**	ectonucleoside triphosphate diphosphohydrolase 5
A_51_P164296	0.001023012	0.485	**Adamdec1**	ADAM-like, decysin 1
A_30_P01028722	0.002441361	0.485		
A_51_P105709	8.39E-05	0.485	**Trip13**	thyroid hormone receptor interactor 13
A_52_P381953	2.84E-06	0.485	**Irf2bp1**	interferon regulatory factor 2 binding protein 1
A_51_P292073	1.77E-06	0.485	**Haghl**	hydroxyacylglutathione hydrolase-like
A_55_P1952269	1.63E-08	0.485	**Xylt2**	xylosyltransferase II
A_51_P493720	2.27E-07	0.485	**Tfam**	transcription factor A, mitochondrial
A_51_P420415	1.31E-05	0.485	**Srd5a1**	steroid 5 alpha-reductase 1
A_55_P2036220	0.001375519	0.485	**Chadl**	chondroadherin-like
A_55_P2274378	0.00162103	0.485	**AW549542**	expressed sequence AW549542
A_55_P2279807	0.000112769	0.485	**6720427I07Rik**	RIKEN cDNA 6720427I07 gene
A_55_P2064243	3.12E-07	0.485	**Rhot2**	ras homolog gene family, member T2
A_55_P1961750	4.11E-08	0.485	**6530401N04Rik**	RIKEN cDNA 6530401N04 gene
A_55_P2133806	5.56E-06	0.485	**Tnrc6c**	trinucleotide repeat containing 6C
A_55_P1997372	8.41E-05	0.485	**Ccdc142**	coiled-coil domain containing 142
A_51_P335969	0.000214107	0.486	**Des**	desmin
A_30_P01026526	1.01E-05	0.486		
A_51_P125446	1.65E-06	0.486	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_52_P38627	0.000521042	0.486	**Egf**	epidermal growth factor
A_51_P176387	6.89E-06	0.486	**Hook3**	hook homolog 3 (Drosophila)
A_30_P01018548	0.00012553	0.486		
A_55_P2424459	4.67E-05	0.486	**Atg9a**	autophagy-related 9A (yeast)
A_55_P2087518	0.00021179	0.486	**Exoc8**	exocyst complex component 8
A_55_P2070711	0.001901371	0.487		
A_55_P2059318	1.13E-08	0.487	**Dgkz**	diacylglycerol kinase zeta
A_52_P559817	0.001862508	0.487	**Fbln7**	fibulin 7
A_66_P106716	0.000161326	0.487	**Akap8**	A kinase (PRKA) anchor protein 8
A_52_P639229	1.81E-05	0.487	**Fgd4**	FYVE, RhoGEF and PH domain containing 4
A_51_P174275	1.66E-07	0.487	**Colec11**	collectin sub-family member 11
A_51_P513941	8.30E-06	0.487	**Lrpap1**	low density lipoprotein receptor-related protein associated protein 1
A_55_P2175494	0.001265015	0.487		
A_55_P2334112	5.95E-06	0.487	**1700096K18Rik**	RIKEN cDNA 1700096K18 gene
A_55_P2012389	9.66E-07	0.487	**Sfxn3**	sideroflexin 3
A_30_P01019438	0.002988374	0.487		
A_55_P2062593	0.00382796	0.487		
A_66_P106470	4.76E-05	0.487	**Ppp2r3a**	protein phosphatase 2, regulatory subunit B'', alpha
A_65_P03719	8.29E-05	0.487	**Fuca2**	fucosidase, alpha-L- 2, plasma
A_51_P501757	2.74E-06	0.487	**Rgmb**	RGM domain family, member B
A_55_P1968133	1.39E-07	0.487	**Ttc4**	tetratricopeptide repeat domain 4
A_55_P1996583	8.04E-10	0.487	**Ppdpf**	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA 2700038
A_55_P2022187	0.000628472	0.487	**Arvcf**	armadillo repeat gene deleted in velo-cardio-facial syndrome
A_52_P141628	0.000176251	0.487	**Slc23a1**	solute carrier family 23 (nucleobase transporters), member 1
A_51_P122425	3.33E-06	0.487	**Ctf1**	cardiotrophin 1
A_55_P2003586	3.27E-06	0.488	**Unkl**	unkempt-like (Drosophila)
A_55_P2065334	1.85E-05	0.488	**Gm14326**	predicted gene 14326
A_52_P537566	2.34E-05	0.488	**Cenpt**	centromere protein T
A_52_P200207	7.30E-07	0.488	**Rmnd5a**	required for meiotic nuclear division 5 homolog A (S. cerevisiae)
A_55_P2157620	0.000231429	0.488		
A_52_P623775	5.55E-08	0.488	**Eri2**	exoribonuclease 2
A_55_P2158866	0.003464349	0.488	**Nme6**	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)
A_55_P2068366	8.43E-05	0.488		
A_51_P290074	0.002296293	0.488	**Fabp7**	fatty acid binding protein 7, brain
A_51_P185846	6.19E-06	0.488	**Dnalc4**	dynein, axonemal, light chain 4
A_52_P685999	2.37E-06	0.488	**Mettl7b**	methyltransferase like 7B
A_55_P2081178	0.000251911	0.488	**Msl3l2**	male-specific lethal 3-like 2 (Drosophila)
A_55_P2153291	0.002141257	0.488		
A_55_P2045855	0.00045912	0.488	**Zfp944**	zinc finger protein 944
A_51_P286373	3.92E-06	0.489	**Ttll12**	tubulin tyrosine ligase-like family, member 12
A_55_P1999172	4.65E-08	0.489	**Nat10**	N-acetyltransferase 10
A_55_P2022885	3.09E-06	0.489	**Zfp866**	zinc finger protein 866
A_55_P2068391	1.85E-05	0.489		
A_55_P2052370	0.000678298	0.489	**Tia1**	cytotoxic granule-associated RNA binding protein 1
A_51_P266958	3.17E-05	0.489	**Nr1i2**	nuclear receptor subfamily 1, group I, member 2
A_55_P2033864	4.24E-07	0.489	**Plekha8**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
A_55_P2026562	7.84E-06	0.489	**Cdkn1b**	cyclin-dependent kinase inhibitor 1B
A_51_P153170	0.000374862	0.489	**Cyb5r3**	cytochrome b5 reductase 3
A_51_P403413	0.001026647	0.489	**Pcdhb6**	protocadherin beta 6
A_51_P122425	3.96E-06	0.489	**Ctf1**	cardiotrophin 1
A_55_P2143233	0.002855184	0.489	**Rasgrp2**	RAS, guanyl releasing protein 2
A_51_P372141	0.000114771	0.489	**Pnkd**	paroxysmal nonkinesiogenic dyskinesia
A_55_P2168791	0.000122982	0.489	**4732440D04Rik**	RIKEN cDNA 4732440D04 gene
A_51_P455671	3.74E-07	0.489	**Psmd5**	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5
A_55_P2080748	1.13E-06	0.489	**BC003965**	cDNA sequence BC003965
A_51_P118763	1.79E-05	0.490	**Ahctf1**	AT hook containing transcription factor 1
A_52_P667477	1.86E-06	0.490	**Fyco1**	FYVE and coiled-coil domain containing 1
A_30_P01025102	6.24E-05	0.490		
A_55_P2079324	0.000190756	0.490	**Sephs2**	selenophosphate synthetase 2
A_51_P269078	3.44E-06	0.490	**Habp4**	hyaluronic acid binding protein 4
A_51_P335969	0.000809154	0.490	**Des**	desmin
A_51_P118763	3.80E-05	0.490	**Ahctf1**	AT hook containing transcription factor 1
A_52_P920129	0.001098635	0.490	**Gnai1**	guanine nucleotide binding protein (G protein), alpha inhibiting 1
A_66_P120707	0.000350358	0.490	**Ston2**	stonin 2
A_55_P2015520	1.00E-05	0.490	**Plekha1**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1
A_55_P1952235	4.84E-05	0.490	**Spry1**	sprouty homolog 1 (Drosophila)
A_55_P2042590	1.41E-06	0.490	**Polm**	polymerase (DNA directed), mu
A_55_P2086835	3.34E-05	0.490		
A_51_P107433	4.04E-06	0.490	**Mrpl34**	mitochondrial ribosomal protein L34
A_51_P155747	6.96E-06	0.490	**Scyl3**	SCY1-like 3 (S. cerevisiae)
A_51_P128499	0.000676058	0.490	**Dennd3**	DENN/MADD domain containing 3
A_52_P284348	2.12E-06	0.491	**1810013D10Rik**	RIKEN cDNA 1810013D10 gene

A_51_P388801	9.46E-07	0.491	**Tbcc**	tubulin-specific chaperone C
A_51_P314186	1.36E-05	0.491	**Syne1**	synaptic nuclear envelope 1
A_51_P122425	1.13E-06	0.491	**Ctf1**	cardiotrophin 1
A_52_P184042	0.000224471	0.491	**Adamts2**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 2
A_51_P126302	9.24E-05	0.491	**Rbmx2**	RNA binding motif protein, X-linked 2
A_52_P235102	8.53E-07	0.491	**Gm5595**	predicted gene 5595
A_52_P325116	5.95E-06	0.491		
A_52_P111963	8.01E-07	0.491	**1810030O07Rik**	RIKEN cDNA 1810030O07 gene
A_55_P2135039	0.000373171	0.491	**Hyi**	hydroxypyruvate isomerase homolog (E. coli)
A_52_P424272	5.40E-07	0.491	**Gatc**	glutamyl-tRNA(Gln) amidotransferase, subunit C homolog (bacterial)
A_55_P2105416	0.000960287	0.491	**Gm10319**	predicted pseudogene 10319
A_51_P476509	0.00016326	0.491	**Zbtb38**	zinc finger and BTB domain containing 38
A_55_P2410106	1.12E-05	0.491	**9130230N09Rik**	RIKEN cDNA 9130230N09 gene
A_55_P1952186	2.63E-06	0.491	**2810403A07Rik**	RIKEN cDNA 2810403A07 gene
A_51_P212038	0.000522593	0.491	**Atp6v0e2**	ATPase, H+ transporting, lysosomal V0 subunit E2
A_66_P111572	5.73E-05	0.491	**Fam122b**	family with sequence similarity 122, member B
A_65_P06453	3.65E-06	0.491	**Nup35**	nucleoporin 35
A_55_P2372897	0.00198861	0.491	**5730480H06Rik**	RIKEN cDNA 5730480H06 gene
A_30_P01032125	0.002430478	0.491		
A_51_P248304	3.26E-08	0.491	**Vps26b**	vacuolar protein sorting 26 homolog B (yeast)
A_55_P2180415	0.003156824	0.491	**Cd72**	CD72 antigen
A_51_P370380	2.76E-08	0.491	**Rdh14**	retinol dehydrogenase 14 (all-trans and 9-cis)
A_51_P227165	1.46E-06	0.491	**2310030G06Rik**	RIKEN cDNA 2310030G06 gene
A_52_P278354	0.000171262	0.491	**Bmp7**	bone morphogenetic protein 7
A_55_P2257765	0.00031364	0.492	**Gm7111**	predicted gene 7111
A_51_P118763	9.83E-05	0.492	**Ahctf1**	AT hook containing transcription factor 1
A_55_P1976926	8.20E-06	0.492	**Tmem104**	transmembrane protein 104
A_55_P1995507	6.38E-05	0.492	**Aqp11**	aquaporin 11
A_51_P126302	0.000459727	0.492	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P107433	5.59E-06	0.492	**Mrpl34**	mitochondrial ribosomal protein L34
A_55_P2036407	3.71E-05	0.492	**Slc26a6**	solute carrier family 26, member 6
A_55_P2159573	6.72E-07	0.492	**Reep6**	receptor accessory protein 6
A_30_P01033437	0.000582185	0.492		
A_30_P01019594	2.17E-06	0.492		
A_55_P2022703	0.003544572	0.492	**1700086O06Rik**	RIKEN cDNA 1700086O06 gene
A_51_P323531	2.39E-05	0.492	**Fam71e1**	family with sequence similarity 71, member E1
A_52_P550218	1.63E-06	0.492	**Trmt12**	tRNA methyltranferase 12 homolog (S. cerevisiae)
A_55_P2158483	1.09E-05	0.492	**Nkiras2**	NFKB inhibitor interacting Ras-like protein 2
A_51_P427232	0.002522752	0.492	**Scand3**	SCAN domain containing 3
A_52_P376135	2.67E-05	0.492	**Mknk2**	MAP kinase-interacting serine/threonine kinase 2
A_55_P2004263	0.000894921	0.492	**BC025920**	zinc finger protein pseudogene
A_55_P2158841	0.000323559	0.492	**Xpot**	exportin, tRNA (nuclear export receptor for tRNAs)
A_51_P124748	3.80E-05	0.492	**Tgfb3**	transforming growth factor, beta 3
A_55_P2086746	4.19E-07	0.493	**Fam3a**	family with sequence similarity 3, member A
A_51_P126302	0.001594858	0.493	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P1964408	1.06E-06	0.493	**Cryab**	crystallin, alpha B
A_55_P2071551	1.37E-05	0.493		
A_51_P217382	1.45E-07	0.493	**Kif1c**	kinesin family member 1C
A_51_P358112	2.94E-05	0.493	**Fads1**	fatty acid desaturase 1
A_52_P615401	9.72E-06	0.493	**Tpra1**	transmembrane protein, adipocyte asscociated 1
A_55_P2110758	0.00097672	0.493	**B430306N03Rik**	RIKEN cDNA B430306N03 gene
A_66_P124755	0.000607813	0.493	**Fut8**	fucosyltransferase 8
A_55_P1959164	2.21E-05	0.493	**Gm10324**	predicted gene 10324
A_51_P107433	1.16E-05	0.493	**Mrpl34**	mitochondrial ribosomal protein L34
A_51_P284966	1.29E-08	0.494	**Dolk**	dolichol kinase
A_55_P2131452	0.001318987	0.494		
A_52_P661587	5.14E-06	0.494	**Ccdc141**	coiled-coil domain containing 141
A_65_P03022	0.000575628	0.494	**Cdc14b**	CDC14 cell division cycle 14 homolog B (S. cerevisiae)
A_55_P1977761	2.54E-05	0.494	**Ttc14**	tetratricopeptide repeat domain 14
A_52_P546459	0.001138309	0.494	**Ube2d1**	ubiquitin-conjugating enzyme E2D 1, UBC4/5 homolog (yeast)
A_66_P119155	4.74E-07	0.494	**Dusp3**	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related)
A_66_P107437	4.66E-05	0.494	**Sfxn5**	sideroflexin 5
A_55_P2115245	1.75E-09	0.494	**Zfyve19**	zinc finger, FYVE domain containing 19
A_52_P264647	9.04E-06	0.494		
A_51_P394515	8.16E-05	0.494	**Tkt**	transketolase
A_51_P321886	0.000158709	0.494	**Cmtm3**	CKLF-like MARVEL transmembrane domain containing 3
A_55_P1983152	9.94E-05	0.494	**Gramd4**	GRAM domain containing 4
A_51_P202033	1.88E-05	0.494	**Wls**	wntless homolog (Drosophila)
A_55_P2044982	2.69E-06	0.495	**Zfp74**	zinc finger protein 74
A_51_P498388	0.00134088	0.495	**Sbk1**	SH3-binding kinase 1
A_55_P2182407	0.001624339	0.495	**Adat1**	adenosine deaminase, tRNA-specific 1
A_51_P225224	0.000969046	0.495	**Htra1**	HtrA serine peptidase 1
A_52_P526265	6.88E-06	0.495	**Wdr73**	WD repeat domain 73
A_52_P257523	5.13E-08	0.495	**1110065P20Rik**	RIKEN cDNA 1110065P20 gene
A_52_P574668	5.52E-05	0.495	**Nt5e**	5' nucleotidase, ecto
A_51_P365409	3.69E-08	0.495	**Rpusd4**	RNA pseudouridylate synthase domain containing 4
A_52_P64687	0.000360705	0.495	**Camk2n1**	calcium/calmodulin-dependent protein kinase II inhibitor 1
A_52_P608132	2.36E-06	0.495	**Snx32**	sorting nexin 32
A_51_P352303	1.44E-05	0.495	**Homer2**	homer homolog 2 (Drosophila)
A_52_P600822	1.52E-06	0.495	**Prkcz**	protein kinase C, zeta
A_51_P107433	6.67E-07	0.495	**Mrpl34**	mitochondrial ribosomal protein L34
A_30_P01018124	2.71E-05	0.495		
A_55_P2055404	1.38E-05	0.495	**Slc15a4**	solute carrier family 15, member 4
A_66_P122173	1.95E-07	0.495	**Mkl2**	MKL/myocardin-like 2
A_51_P499441	2.18E-07	0.495	**Prkd2**	protein kinase D2
A_55_P2184905	4.66E-07	0.495	**Rpap2**	RNA polymerase II associated protein 2
A_52_P118461	0.001099053	0.495	**Ipmk**	inositol polyphosphate multikinase
A_55_P2148323	0.000778194	0.495	**2810021J22Rik**	RIKEN cDNA 2810021J22 gene
A_51_P104608	0.001516755	0.495	**Rnase6**	ribonuclease, RNase A family, 6
A_55_P2178592	1.00E-06	0.496	**Rbbp9**	retinoblastoma binding protein 9
A_51_P450573	3.03E-05	0.496	**Tgfbr2**	transforming growth factor, beta receptor II
A_55_P2141306	0.000159145	0.496	**Synj2bp**	synaptojanin 2 binding protein
A_55_P2096101	0.00043006	0.496	**Cyp20a1**	cytochrome P450, family 20, subfamily A, polypeptide 1
A_55_P2098354	1.09E-05	0.496	**Shf**	Src homology 2 domain containing F
A_55_P1962234	9.11E-08	0.496	**Bad**	BCL2-associated agonist of cell death
A_52_P506344	9.30E-07	0.496	**B3gat3**	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)
A_51_P109541	1.90E-06	0.496	**E130308A19Rik**	RIKEN cDNA E130308A19 gene
A_30_P01021267	5.36E-06	0.496		
A_55_P2072955	1.15E-05	0.496	**Zfp954**	zinc finger protein 954
A_51_P490924	0.000410527	0.496	**Hapln4**	hyaluronan and proteoglycan link protein 4

A_51_P484998	0.001187016	0.496	**Hgf**	hepatocyte growth factor
A_55_P2096917	1.14E-07	0.496	**Mreg**	melanoregulin
A_51_P175424	8.12E-05	0.496	**Car14**	carbonic anhydrase 14
A_66_P119045	0.000255049	0.496		
A_55_P2087561	1.37E-05	0.496	**Gm5506**	predicted gene 5506
A_55_P1953377	6.53E-06	0.496		
A_51_P245275	1.94E-05	0.496	**H2afx**	H2A histone family, member X
A_51_P141610	9.64E-07	0.496	**Cables2**	CDK5 and Abl enzyme substrate 2
A_55_P1957815	3.35E-07	0.496	**Tmub1**	transmembrane and ubiquitin-like domain containing 1
A_51_P338600	0.000142963	0.496	**Tmem14c**	transmembrane protein 14C
A_55_P1983974	6.09E-07	0.497	**Neurl4**	neuralized homolog 4 (Drosophila)
A_51_P167971	2.75E-05	0.497	**Bace1**	beta-site APP cleaving enzyme 1
A_51_P244923	2.01E-06	0.497	**AI837181**	expressed sequence AI837181
A_52_P576837	3.73E-05	0.497	**BC088983**	cDNA sequence BC088983
A_66_P119810	0.002009754	0.497	**H2afb1**	H2A histone family, member B1
A_55_P2072115	0.004253992	0.497	**AW011738**	expressed sequence AW011738
A_55_P2107292	0.000207413	0.497	**Ptch1**	patched homolog 1
A_52_P596755	1.60E-05	0.497	**BC048355**	cDNA sequence BC048355
A_55_P2062054	1.74E-05	0.497	**Dbndd2**	dysbindin (dystrobrevin binding protein 1) domain containing 2
A_52_P411331	0.000181607	0.497	**Vac14**	Vac14 homolog (S. cerevisiae)
A_51_P323435	3.07E-05	0.497	**Gtf2h2**	general transcription factor II H, polypeptide 2
A_51_P185175	6.85E-05	0.497	**Fkbp4**	FK506 binding protein 4
A_51_P296416	1.28E-06	0.497	**Orc6**	origin recognition complex, subunit 6
A_52_P139413	0.004049512	0.498	**Tmem221**	transmembrane protein 221
A_52_P516097	3.18E-05	0.498	**Leng9**	leukocyte receptor cluster (LRC) member 9
A_55_P2149500	0.000276398	0.498	**Kifc2**	kinesin family member C2
A_55_P2068350	5.99E-05	0.498	**Ido2**	indoleamine 2,3-dioxygenase 2
A_55_P1997661	7.42E-07	0.498	**2810008M24Rik**	RIKEN cDNA 2810008M24 gene
A_52_P79639	3.51E-05	0.498	**Vat1**	vesicle amine transport protein 1 homolog (T californica)
A_55_P2028710	2.35E-06	0.498	**Rnf170**	ring finger protein 170
A_30_P01031845	0.001568677	0.498		
A_30_P01029681	0.001267721	0.498		
A_51_P461031	2.46E-08	0.498	**Ostm1**	osteopetrosis associated transmembrane protein 1
A_52_P527106	3.10E-05	0.498	**Arhgap12**	Rho GTPase activating protein 12
A_55_P2027822	6.27E-07	0.498	**Ccdc101**	coiled-coil domain containing 101
A_55_P1994487	2.63E-05	0.498	**Mamdc4**	MAM domain containing 4
A_55_P2077618	0.000249916	0.498	**Csgalnact1**	chondroitin sulfate N-acetylgalactosaminyltransferase 1
A_55_P1981464	2.55E-05	0.498	**5430410E06Rik**	RIKEN cDNA 5430410E06 gene
A_51_P139651	0.000325166	0.498	**Nos3**	nitric oxide synthase 3, endothelial cell
A_51_P160544	2.41E-05	0.499	**Efemp2**	epidermal growth factor-containing fibulin-like extracellular matrix protein 2
A_55_P2024260	4.27E-07	0.499	**Vps33b**	vacuolar protein sorting 33B (yeast)
A_55_P2023001	4.81E-06	0.499	**Slc47a1**	solute carrier family 47, member 1
A_51_P201884	0.00025175	0.499	**Dsp**	desmoplakin
A_55_P2047703	9.46E-06	0.499	**Serac1**	serine active site containing 1
A_51_P359603	0.000372136	0.499	**Itgb7**	integrin beta 7
A_51_P455906	5.41E-05	0.499	**Pold4**	polymerase (DNA-directed), delta 4
A_66_P124806	0.000297779	0.499	**Tlr4**	toll-like receptor 4
A_51_P415225	0.000129006	0.499	**Zfp105**	zinc finger protein 105
A_55_P1987261	0.000104225	0.499	**B230312A22Rik**	RIKEN cDNA B230312A22 gene
A_51_P344399	1.66E-05	0.499	**Rilpl2**	Rab interacting lysosomal protein-like 2
A_51_P243930	5.44E-05	0.499	**Qrsl1**	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1
A_52_P81101	0.000239887	0.499	**Ipmk**	inositol polyphosphate multikinase
A_51_P117739	0.000928479	0.499	**Figf**	c-fos induced growth factor
A_66_P131091	5.81E-07	0.499	**B230208H17Rik**	RIKEN cDNA B230208H17 gene
A_55_P1987364	1.48E-07	0.499	**C330006K01Rik**	RIKEN cDNA C330006K01 gene
A_55_P2105220	0.000207017	0.499	**Hscb**	HscB iron-sulfur cluster co-chaperone homolog (E. coli)
A_51_P205779	0.003902973	0.499	**Cd5l**	CD5 antigen-like
A_51_P130994	4.08E-07	0.499	**BC005537**	cDNA sequence BC005537
A_65_P16688	3.24E-05	0.499	**Taok2**	TAO kinase 2
A_51_P139651	0.000176343	0.499	**Nos3**	nitric oxide synthase 3, endothelial cell
A_51_P251736	4.86E-05	0.499	**Reep5**	receptor accessory protein 5
A_51_P130447	0.000259759	0.499	**C920006O11Rik**	RIKEN cDNA C920006O11 gene
A_51_P125446	1.23E-07	0.500	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2134487	1.29E-07	0.500		
A_52_P407280	0.000341278	0.500	**Adamtsl5**	ADAMTS-like 5
A_52_P351418	3.02E-06	0.500	**Sgsm3**	small G protein signaling modulator 3
A_55_P2038183	0.004199804	0.500	**Insc**	inscuteable homolog (Drosophila)
A_51_P242733	5.79E-06	0.500	**Tex261**	testis expressed gene 261
A_66_P136102	0.001034942	0.500	**Lefty2**	left-right determination factor 2

Genes that increased by more than 2 fold in livers of mice treated with Con A and vehicle for 3 hours compared with livers without any treatment.

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_55_P2119257	1.43E-05	2123.03	**Serpine1**	serine (or cysteine) peptidase inhibitor, clade E, member 1
A_55_P2016459	7.51E-06	1091.62	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_51_P217463	0.001896289	821.21	**Cxcl2**	chemokine (C-X-C motif) ligand 2
A_51_P462192	2.20E-05	616.24	**Olr1**	oxidized low density lipoprotein (lectin-like) receptor 1
A_51_P331752	1.74E-08	531.20	**Ccl11**	chemokine (C-C motif) ligand 11
A_51_P436652	5.55E-06	451.10	**Ccl7**	chemokine (C-C motif) ligand 7
A_55_P2016462	5.64E-12	424.45	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_51_P363187	7.74E-05	342.08	**Cxcl1**	chemokine (C-X-C motif) ligand 1
A_55_P1960386	4.72E-06	311.92	**Ccl1**	chemokine (C-C motif) ligand 1
A_55_P1953169	4.06E-06	291.19	**Saa3**	serum amyloid A 3
A_55_P2008987	9.50E-05	262.77	**Ch25h**	cholesterol 25-hydroxylase
A_51_P286488	2.44E-05	262.10	**Ier3**	immediate early response 3
A_51_P279606	7.80E-08	251.91	**Socs1**	suppressor of cytokine signaling 1
A_55_P2079535	0.000726748	246.63		
A_55_P1977038	2.32E-08	205.75	**Cxcl9**	chemokine (C-X-C motif) ligand 9
A_51_P123625	2.69E-05	196.17	**Irg1**	immunoresponsive gene 1
A_51_P488739	3.24E-08	191.81	**Niacr1**	niacin receptor 1
A_51_P286737	1.92E-07	189.80	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	1.82E-06	188.05	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P455326	0.000140508	186.69	**Sele**	selectin, endothelial cell
A_51_P452629	5.79E-08	183.51	**Tlr2**	toll-like receptor 2
A_51_P286737	1.35E-06	182.89	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	1.09E-06	182.06	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P123625	1.56E-05	181.58	**Irg1**	immunoresponsive gene 1
A_51_P286737	1.54E-06	180.81	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P452629	6.95E-09	180.56	**Tlr2**	toll-like receptor 2
A_51_P286737	1.96E-06	179.46	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P123625	1.18E-05	179.43	**Irg1**	immunoresponsive gene 1
A_51_P286737	1.31E-06	179.33	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	1.15E-06	179.27	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	7.48E-07	178.84	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P452629	5.48E-08	175.24	**Tlr2**	toll-like receptor 2
A_51_P286737	4.10E-07	175.11	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P452629	1.03E-07	172.62	**Tlr2**	toll-like receptor 2
A_51_P123625	1.70E-05	172.21	**Irg1**	immunoresponsive gene 1
A_51_P123625	1.70E-05	170.02	**Irg1**	immunoresponsive gene 1
A_51_P123625	2.38E-05	169.62	**Irg1**	immunoresponsive gene 1
A_51_P452629	6.59E-09	169.58	**Tlr2**	toll-like receptor 2
A_51_P452629	3.54E-08	167.06	**Tlr2**	toll-like receptor 2
A_51_P452629	6.69E-08	166.81	**Tlr2**	toll-like receptor 2
A_51_P452629	2.31E-08	165.33	**Tlr2**	toll-like receptor 2
A_51_P461665	5.18E-09	164.13	**Cxcl9**	chemokine (C-X-C motif) ligand 9
A_51_P452629	1.57E-08	161.89	**Tlr2**	toll-like receptor 2
A_51_P452629	5.46E-09	159.39	**Tlr2**	toll-like receptor 2
A_51_P123625	2.20E-05	154.16	**Irg1**	immunoresponsive gene 1
A_51_P123625	2.74E-05	152.00	**Irg1**	immunoresponsive gene 1
A_51_P203955	3.06E-07	149.24	**Gbp2**	guanylate binding protein 2
A_51_P123625	1.52E-05	147.95	**Irg1**	immunoresponsive gene 1
A_51_P184484	0.000467008	140.92	**Mmp13**	matrix metallopeptidase 13
A_55_P2053838	4.38E-05	139.87	**Tnfaip3**	tumor necrosis factor, alpha-induced protein 3
A_51_P123625	6.96E-06	138.25	**Irg1**	immunoresponsive gene 1
A_51_P100852	3.06E-08	127.02	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	3.68E-07	126.89	**Fam26f**	family with sequence similarity 26, member F
A_51_P509573	1.05E-06	125.65	**Ccl4**	chemokine (C-C motif) ligand 4
A_51_P100852	1.58E-07	120.87	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	1.77E-08	119.53	**Fam26f**	family with sequence similarity 26, member F
A_55_P2033362	3.88E-07	118.96	**Egr2**	early growth response 2
A_51_P100852	1.60E-07	116.69	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	7.31E-08	114.94	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	1.86E-07	114.90	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	9.57E-08	112.86	**Fam26f**	family with sequence similarity 26, member F
A_51_P100852	1.02E-07	111.69	**Fam26f**	family with sequence similarity 26, member F
A_52_P452689	3.33E-06	109.64	**Atf3**	activating transcription factor 3
A_52_P68893	3.36E-05	108.05	**Ifng**	interferon gamma
A_51_P100852	7.66E-08	107.86	**Fam26f**	family with sequence similarity 26, member F
A_52_P327664	4.69E-06	105.36	**Gbp5**	guanylate binding protein 5
A_55_P2125208	1.45E-08	101.79	**Arid5a**	AT rich interactive domain 5A (MRF1-like)
A_51_P474459	1.02E-07	92.32	**Socs3**	suppressor of cytokine signaling 3
A_51_P256827	0.000368691	88.97	**S100a8**	S100 calcium binding protein A8 (calgranulin A)
A_52_P338066	7.85E-05	83.67	**Ubd**	ubiquitin D
A_55_P2011385	1.58E-08	82.41		
A_55_P2070869	4.14E-06	82.14	**Lcn2**	lipocalin 2
A_55_P2116165	1.61E-08	82.12	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P385099	0.000256671	81.42	**Tnf**	tumor necrosis factor
A_52_P425839	3.64E-05	79.75	**Retnlg**	resistin like gamma
A_52_P68893	2.98E-05	79.69	**Ifng**	interferon gamma
A_52_P608322	1.10E-08	79.56	**Maff**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)
A_55_P2011387	4.18E-08	79.14	**Tifa**	TRAF-interacting protein with forkhead-associated domain
A_55_P2054897	2.75E-07	77.64	**Rnd1**	Rho family GTPase 1
A_52_P534583	0.000597553	76.79	**Ahsp**	alpha hemoglobin stabilizing protein
A_55_P1998471	0.000193026	75.57	**S100a9**	S100 calcium binding protein A9 (calgranulin B)
A_55_P1962400	2.19E-07	75.31	**Il1rn**	interleukin 1 receptor antagonist
A_55_P2104975	0.000133099	74.71	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_55_P1955778	0.000305014	73.17	**Adamts4**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
A_51_P263246	2.43E-06	72.76	**Dusp8**	dual specificity phosphatase 8
A_52_P613241	3.96E-05	72.35	**Icam1**	intercellular adhesion molecule 1
A_52_P179785	3.08E-06	71.25	**Ripk2**	receptor (TNFRSF)-interacting serine-threonine kinase 2
A_55_P2147081	8.11E-06	70.84	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_55_P2073024	6.84E-05	69.77	**Gm4841**	predicted gene 4841
A_55_P2142226	4.52E-06	68.09	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_51_P385099	9.40E-05	67.67	**Tnf**	tumor necrosis factor
A_51_P385099	5.10E-05	67.24	**Tnf**	tumor necrosis factor
A_51_P111164	2.48E-10	67.17	**Rnd1**	Rho family GTPase 1
A_52_P15388	0.00132291	65.16	**Ltf**	lactotransferrin
A_51_P385099	0.000121764	65.11	**Tnf**	tumor necrosis factor
A_51_P385099	0.000106895	64.17	**Tnf**	tumor necrosis factor
A_51_P140710	0.000133483	62.59	**Ccl3**	chemokine (C-C motif) ligand 3
A_55_P2042813	4.12E-05	61.58	**Gbp11**	guanylate binding protein 11
A_51_P385099	0.000138761	61.00	**Tnf**	tumor necrosis factor
A_52_P362917	1.52E-06	59.45	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P385099	8.22E-05	58.74	**Tnf**	tumor necrosis factor
A_51_P478722	9.28E-08	58.00	**Tgtp1**	T-cell specific GTPase 1
A_51_P172853	3.90E-05	57.36	**Cd14**	CD14 antigen

A_51_P385099	0.000157207	57.11	**Tnf**	tumor necrosis factor
A_51_P385099	9.27E-05	57.06	**Tnf**	tumor necrosis factor
A_51_P183812	5.49E-06	56.09	**Slfn4**	schlafen 4
A_52_P1197913	2.34E-06	54.49	**Gadd45b**	growth arrest and DNA-damage-inducible 45 beta
A_55_P1984556	3.28E-05	53.08	**Ccl12**	chemokine (C-C motif) ligand 12
A_52_P681310	0.000166115	51.97	**Plaur**	plasminogen activator, urokinase receptor
A_52_P410765	5.51E-07	51.74	**Sema7a**	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A
A_55_P1976655	0.000933597	51.47	**Fgf23**	fibroblast growth factor 23
A_51_P248666	9.64E-07	50.58	**Cd274**	CD274 antigen
A_55_P1997756	0.000487708	50.56	**Il6**	interleukin 6
A_55_P2142232	0.00087465	50.10	**Serpina3i**	serine (or cysteine) peptidase inhibitor, clade A, member 3I
A_55_P2038882	7.45E-06	49.24	**Niacr1**	niacin receptor 1
A_55_P1997756	0.0006379	49.17	**Il6**	interleukin 6
A_55_P2049867	8.69E-07	49.00	**Ccrl2**	chemokine (C-C motif) receptor-like 2
A_55_P2048855	0.000439737	48.65	**Sprr2a2**	small proline-rich protein 2A2
A_52_P386627	6.46E-07	47.86	**Irak3**	interleukin-1 receptor-associated kinase 3
A_51_P231320	0.001142977	47.57	**Mmp8**	matrix metallopeptidase 8
A_51_P254855	0.000375529	47.26	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2147083	0.000436986	47.05	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_51_P385099	8.94E-05	46.96	**Tnf**	tumor necrosis factor
A_51_P401907	9.67E-06	46.42	**Gm5483**	predicted gene 5483
A_51_P254855	0.001390128	46.13	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2186005	0.002227957	45.73	**Sphk1**	sphingosine kinase 1
A_55_P2052380	1.02E-09	45.60	**Mpa2l**	macrophage activation 2 like
A_52_P31543	1.03E-06	45.02	**Btg2**	B-cell translocation gene 2, anti-proliferative
A_51_P484158	0.000890244	44.75	**Steap1**	six transmembrane epithelial antigen of the prostate 1
A_55_P2159555	3.31E-05	43.94	**Adamts4**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
A_52_P429450	0.002949673	43.66	**Ngp**	neutrophilic granule protein
A_55_P2052385	1.13E-09	43.60	**Mpa2l**	macrophage activation 2 like
A_55_P1989225	3.57E-07	42.72	**Tgtp2**	T-cell specific GTPase 2
A_51_P114462	7.37E-05	41.99	**Ccl17**	chemokine (C-C motif) ligand 17
A_52_P354823	2.09E-06	41.73	**Irf8**	interferon regulatory factor 8
A_52_P161488	0.000284023	41.57	**Clec4e**	C-type lectin domain family 4, member e
A_52_P262219	0.003353002	41.09	**Fos**	FBJ osteosarcoma oncogene
A_55_P1998416	2.40E-08	40.80	**Ifi47**	interferon gamma inducible protein 47
A_51_P254855	0.000761867	40.45	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2017636	1.52E-05	39.80	**Thbs1**	thrombospondin 1
A_52_P262219	0.003115028	39.72	**Fos**	FBJ osteosarcoma oncogene
A_51_P501248	0.000868301	39.44	**Sphk1**	sphingosine kinase 1
A_51_P254855	0.000364182	39.41	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_52_P262219	0.004214035	38.86	**Fos**	FBJ osteosarcoma oncogene
A_51_P143893	1.04E-07	38.84	**Steap4**	STEAP family member 4
A_55_P2036693	1.49E-06	38.61	**Cd40**	CD40 antigen
A_51_P254855	0.001578627	38.02	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_52_P262219	0.001991506	37.88	**Fos**	FBJ osteosarcoma oncogene
A_55_P2085012	5.17E-09	37.73		
A_52_P262219	0.002515635	37.45	**Fos**	FBJ osteosarcoma oncogene
A_52_P262219	0.004257924	37.06	**Fos**	FBJ osteosarcoma oncogene
A_30_P01032196	7.86E-06	37.04		
A_52_P262219	0.004350045	36.98	**Fos**	FBJ osteosarcoma oncogene
A_52_P318673	2.21E-09	36.87	**Saa1**	serum amyloid A 1
A_51_P326191	2.78E-06	36.82	**Serpina3g**	serine (or cysteine) peptidase inhibitor, clade A, member 3G
A_55_P2011106	7.95E-07	36.59	**Junb**	Jun-B oncogene
A_51_P367866	2.83E-06	36.42	**Egr1**	early growth response 1
A_51_P254855	0.002518432	36.28	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000725549	35.89	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_52_P262219	0.003203437	35.67	**Fos**	FBJ osteosarcoma oncogene
A_55_P2062246	7.52E-08	35.65	**Tgtp2**	T-cell specific GTPase 2
A_51_P254855	0.0003085	35.64	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2103837	0.001037708	35.53	**Gbp4**	guanylate binding protein 4
A_55_P2269819	0.002548513	35.36	**Fam107a**	family with sequence similarity 107, member A
A_55_P2105140	0.000228752	35.34	**Mrap2**	melanocortin 2 receptor accessory protein 2
A_52_P262219	0.004036557	34.94	**Fos**	FBJ osteosarcoma oncogene
A_51_P389751	9.63E-10	34.62	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_51_P254855	0.000874577	34.34	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_30_P01020131	2.91E-06	34.12		
A_51_P161021	8.17E-05	34.07	**Ifit2**	interferon-induced protein with tetratricopeptide repeats 2
A_30_P01022682	5.06E-06	34.01		
A_52_P65237	0.000127999	32.97	**Zbtb7c**	zinc finger and BTB domain containing 7C
A_55_P2000409	7.21E-07	32.59	**Rab44**	RAB44, member RAS oncogene family
A_51_P470079	0.000146971	32.53	**Il1r2**	interleukin 1 receptor, type II
A_52_P398925	0.000246215	32.09	**Stfa2l1**	stefin A2 like 1
A_55_P1990032	0.000400392	31.80	**Cxcl5**	chemokine (C-X-C motif) ligand 5
A_55_P1994807	2.95E-09	31.74	**Saa2**	serum amyloid A 2
A_52_P239086	0.000532621	30.66	**Apol10a**	apolipoprotein L 10a
A_51_P323180	7.66E-05	30.39	**Gbp9**	guanylate-binding protein 9
A_51_P234956	0.000105954	30.31	**Xcl1**	chemokine (C motif) ligand 1
A_55_P2158741	2.38E-06	29.90	**Nos2**	nitric oxide synthase 2, inducible
A_55_P2137049	0.000361204	29.87	**AA467197**	expressed sequence AA467197
A_52_P496726	8.17E-05	29.39	**Rasd1**	RAS, dexamethasone-induced 1
A_55_P2158741	5.82E-06	29.16	**Nos2**	nitric oxide synthase 2, inducible
A_30_P01017522	0.000359589	29.06		
A_51_P254855	0.000943078	29.03	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P165182	3.15E-06	28.72	**Batf2**	basic leucine zipper transcription factor, ATF-like 2
A_55_P2090172	0.000288488	28.68		
A_52_P550173	0.000368584	28.63	**Slamf1**	signaling lymphocytic activation molecule family member 1
A_55_P2000062	4.74E-06	28.59	**Irf1**	interferon regulatory factor 1
A_55_P2168736	1.37E-09	28.54	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_51_P480241	9.23E-05	27.47	**Elf3**	E74-like factor 3
A_55_P2158990	1.21E-08	27.45	**Jun**	Jun oncogene
A_52_P559975	7.53E-05	25.75	**Cxcr2**	chemokine (C-X-C motif) receptor 2
A_30_P01031049	0.002109929	25.74		
A_55_P2153431	8.98E-05	25.65	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_55_P1994289	8.38E-06	25.64		
A_55_P2317575	0.000218049	25.39	**1700016F12Rik**	RIKEN cDNA 1700016F12 gene
A_51_P241769	0.000940862	25.38	**Rhd**	Rh blood group, D antigen
A_55_P2472435	3.88E-08	24.70	**Gbp3**	guanylate binding protein 3
A_55_P2160825	0.00051524	24.51		
A_30_P01022435	0.002077082	24.48		
A_55_P1994290	5.22E-05	24.47		
A_51_P265571	0.000139343	24.38	**Adm**	adrenomedullin
A_55_P2025248	3.16E-05	24.16	**Mxd1**	MAX dimerization protein 1
A_66_P126459	5.31E-07	24.14		
A_66_P108380	0.000111091	24.07	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2109559	1.53E-06	23.73	**Trim6**	tripartite motif-containing 6

A_52_P566396	2.66E-06	23.59	**Rnf122**	ring finger protein 122
A_51_P210956	5.51E-06	23.47	**Vcam1**	vascular cell adhesion molecule 1
A_51_P229676	5.39E-06	22.94	**Plscr1**	phospholipid scramblase 1
A_55_P2058928	0.000246697	22.76	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_55_P1985850	0.00197721	22.75	**Timp1**	tissue inhibitor of metalloproteinase 1
A_55_P2057936	1.00E-06	22.29	**Gm12250**	predicted gene 12250
A_52_P425092	5.89E-05	22.03		
A_55_P1962723	7.79E-05	22.01		
A_51_P215489	3.56E-07	21.99	**Slc37a1**	solute carrier family 37 (glycerol-3-phosphate transporter), member 1
A_55_P2006494	9.47E-08	21.11	**Apol10b**	apolipoprotein L 10b
A_52_P89567	3.62E-07	21.04	**Rhob**	ras homolog gene family, member B
A_55_P1971889	1.86E-05	20.88	**F3**	coagulation factor III
A_55_P2119917	1.37E-07	20.25	**Ikzf4**	IKAROS family zinc finger 4
A_55_P2118441	3.53E-06	20.25	**Mx1**	myxovirus (influenza virus) resistance 1
A_52_P487686	0.000185135	20.24	**BC100530**	cDNA sequence BC100530
A_30_P01033187	0.000759593	20.14		
A_51_P464703	0.000237136	20.09	**Ccl8**	chemokine (C-C motif) ligand 8
A_51_P383032	2.50E-05	19.98	**Clec4d**	C-type lectin domain family 4, member d
A_55_P1988368	0.00165286	19.76	**Upp1**	uridine phosphorylase 1
A_52_P604629	9.90E-06	19.74	**Csrnp1**	cysteine-serine-rich nuclear protein 1
A_55_P1997126	0.000309458	19.54	**Ctse**	cathepsin E
A_55_P2071132	3.02E-06	19.43	**Tnfrsf23**	tumor necrosis factor receptor superfamily, member 23
A_51_P235123	1.71E-08	19.40	**Nfkbie**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon
A_55_P2082880	1.71E-07	19.18		
A_55_P2026238	1.36E-05	19.07		
A_52_P621588	9.75E-09	18.91	**Il28ra**	interleukin 28 receptor alpha
A_52_P480044	7.21E-07	18.90	**BC023105**	cDNA sequence BC023105
A_51_P181565	8.37E-05	18.84	**Hbegf**	heparin-binding EGF-like growth factor
A_52_P520495	1.99E-06	18.82	**Vcam1**	vascular cell adhesion molecule 1
A_30_P01029955	0.001590802	18.60		
A_55_P2188862	0.000167017	18.58	**C030034E14Rik**	RIKEN cDNA C030034E14 gene
A_52_P374897	0.000821128	18.56	**Arg2**	arginase type II
A_55_P1979674	1.19E-08	18.47	**Ikzf4**	IKAROS family zinc finger 4
A_51_P116601	0.000462478	18.36	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_30_P01020928	0.000101575	18.30		
A_51_P513568	4.57E-05	18.23	**Stx11**	syntaxin 11
A_55_P2062108	1.78E-05	18.06	**Apold1**	apolipoprotein L domain containing 1
A_55_P1985890	1.07E-07	18.05	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_52_P466090	3.28E-06	18.04	**Samhd1**	SAM domain and HD domain, 1
A_51_P116601	0.000144806	17.69	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_52_P530291	3.49E-06	17.40	**Pim1**	proviral integration site 1
A_52_P423247	1.88E-08	17.38	**Pde4b**	phosphodiesterase 4B, cAMP specific
A_55_P1998843	3.76E-06	17.33	**Ifi203**	interferon activated gene 203
A_51_P327751	1.64E-07	17.23	**Ifit1**	interferon-induced protein with tetratricopeptide repeats 1
A_51_P514961	2.08E-07	17.23	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_55_P2179577	0.001438317	17.14	**Nmur1**	neuromedin U receptor 1
A_51_P116601	0.000133583	17.14	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P116601	0.000146066	17.04	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P297925	7.08E-09	16.88	**Zc3h12a**	zinc finger CCCH type containing 12A
A_55_P2001818	8.88E-06	16.85	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_51_P401343	1.95E-06	16.62	**Cldn14**	claudin 14
A_55_P1999902	4.59E-08	16.56		
A_51_P464918	5.08E-06	16.53	**Mefv**	Mediterranean fever
A_51_P116601	0.00021087	16.53	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P116601	0.000502503	16.51	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2103206	5.72E-07	16.42		
A_65_P01319	4.83E-07	16.34	**Pde4b**	phosphodiesterase 4B, cAMP specific
A_51_P211854	0.000837854	16.31	**Selp**	selectin, platelet
A_51_P514319	4.22E-08	16.30	**Slc13a4**	solute carrier family 13 (sodium/sulfate symporters), member 4
A_55_P1988714	0.000293268	16.29	**Psors1c2**	psoriasis susceptibility 1 candidate 2 (human)
A_55_P2072586	1.96E-05	16.29		
A_51_P454217	5.23E-06	16.18	**Nfkb2**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100
A_55_P2107374	0.001471985	16.02	**Duoxa2**	dual oxidase maturation factor 2
A_55_P2029558	5.88E-08	15.82	**Adrb2**	adrenergic receptor, beta 2
A_51_P362066	0.000210697	15.76	**Chi3l1**	chitinase 3-like 1
A_55_P2073099	5.34E-07	15.63	**Trex1**	three prime repair exonuclease 1
A_51_P463846	2.10E-08	15.56	**Gbp6**	guanylate binding protein 6
A_55_P2107542	0.003156574	15.47		
A_51_P211854	0.000753033	15.46	**Selp**	selectin, platelet
A_65_P08971	3.37E-05	15.31	**F3**	coagulation factor III
A_55_P2048759	0.000169082	15.27	**4930583H14Rik**	RIKEN cDNA 4930583H14 gene
A_51_P211854	0.000913082	15.23	**Selp**	selectin, platelet
A_51_P222280	6.49E-09	15.16	**Ikbke**	inhibitor of kappaB kinase epsilon
A_51_P116601	0.000194015	15.16	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P428372	4.11E-09	15.15	**Ppbp**	pro-platelet basic protein
A_66_P101942	7.94E-06	15.11	**Gm9706**	predicted gene 9706
A_51_P211854	0.000803811	15.08	**Selp**	selectin, platelet
A_51_P211854	0.000700414	14.93	**Selp**	selectin, platelet
A_55_P2168140	0.001858166	14.86	**Gm5958**	predicted pseudogene 5958
A_51_P116601	0.00032331	14.85	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_52_P578562	6.32E-06	14.75	**Slc41a1**	solute carrier family 41, member 1
A_30_P01032985	4.17E-06	14.71		
A_51_P171075	1.11E-06	14.71	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P116601	0.000235066	14.61	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_66_P109183	0.000261401	14.61	**Apold1**	apolipoprotein L domain containing 1
A_52_P594756	0.000205271	14.58	**Asb4**	ankyrin repeat and SOCS box-containing 4
A_51_P211854	0.000761021	14.41	**Selp**	selectin, platelet
A_55_P2004797	3.16E-05	14.33	**Tacc2**	transforming, acidic coiled-coil containing protein 2
A_51_P211854	0.00048002	14.32	**Selp**	selectin, platelet
A_65_P03364	0.00018273	14.27		
A_52_P353905	0.001704401	14.17	**Fam83a**	family with sequence similarity 83, member A
A_51_P181286	8.48E-05	14.16	**Cd69**	CD69 antigen
A_55_P2128203	0.001005256	13.97		
A_55_P2005833	1.56E-08	13.96	**Adamts8**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 8
A_55_P2187918	3.39E-05	13.94	**Cep55**	centrosomal protein 55
A_55_P2179463	0.000393056	13.89	**Tnfsf8**	tumor necrosis factor (ligand) superfamily, member 8
A_55_P1977008	0.0010331	13.87	**Gfi1**	growth factor independent 1
A_55_P2141786	8.75E-06	13.85	**Pard6g**	par-6 partitioning defective 6 homolog gamma (C. elegans)
A_66_P119283	3.82E-06	13.80	**LOC675594**	hypothetical LOC675594
A_52_P290783	0.001656027	13.76	**BC016579**	cDNA sequence, BC016579
A_55_P1981479	1.44E-07	13.76	**Irgm1**	immunity-related GTPase family M member 1
A_51_P263965	8.68E-08	13.75	**Hmox1**	heme oxygenase (decycling) 1
A_51_P514085	1.54E-09	13.73	**Mx2**	myxovirus (influenza virus) resistance 2
A_66_P121086	3.43E-06	13.63	**Map3k8**	mitogen-activated protein kinase kinase kinase 8
A_52_P399934	1.88E-05	13.60	**Dusp2**	dual specificity phosphatase 2

A_55_P2180839	1.91E-06	13.57	**Il13**	interleukin 13
A_55_P2028986	3.90E-07	13.51		
A_55_P1962918	3.86E-05	13.51	**Mnda**	myeloid cell nuclear differentiation antigen
A_30_P01026993	4.88E-05	13.42		
A_30_P01019474	0.000233998	13.40		
A_51_P211854	0.000763827	13.38	**Selp**	selectin, platelet
A_30_P01031797	0.000805702	13.31		
A_51_P171075	1.15E-07	13.16	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P171075	3.96E-07	13.15	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P171075	3.58E-06	13.14	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P226269	1.49E-05	13.13	**1190002H23Rik**	RIKEN cDNA 1190002H23 gene
A_30_P01024852	0.000133685	13.10		
A_30_P01027958	8.95E-06	13.06		
A_51_P211854	0.00068453	13.03	**Selp**	selectin, platelet
A_51_P211854	0.001284158	13.02	**Selp**	selectin, platelet
A_55_P1963508	0.000591649	13.01	**Slc13a5**	solute carrier family 13 (sodium-dependent citrate transporter), member 5
A_51_P470715	8.95E-08	13.00	**Cish**	cytokine inducible SH2-containing protein
A_51_P171075	8.90E-08	12.99	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_55_P1988228	1.27E-06	12.96	**Aspm**	asp (abnormal spindle)-like, microcephaly associated (Drosophila)
A_30_P01024629	1.85E-06	12.94		
A_55_P1973352	2.46E-05	12.91	**LOC100503910**	hypothetical LOC100503910
A_51_P204080	1.49E-06	12.84	**Hk2**	hexokinase 2
A_55_P2172001	1.89E-05	12.80	**Mrgpra2a**	MAS-related GPR, member A2A
A_55_P2044242	0.00039836	12.80	**Slc13a5**	solute carrier family 13 (sodium-dependent citrate transporter), member 5
A_55_P2179587	4.83E-05	12.62	**Celsr3**	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)
A_51_P116601	0.000192637	12.57	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2071176	6.21E-05	12.53	**Il1f9**	interleukin 1 family, member 9
A_55_P2034110	4.19E-06	12.52	**Tgm2**	transglutaminase 2, C polypeptide
A_52_P222230	1.20E-06	12.30		
A_55_P2044932	0.000184854	12.29	**Gpr84**	G protein-coupled receptor 84
A_55_P2318934	0.000214498	12.29		
A_52_P423810	6.46E-07	12.27		
A_55_P2012989	0.000412421	12.25	**Slamf7**	SLAM family member 7
A_55_P2337074	6.29E-05	12.25	**Mid1**	midline 1
A_51_P120093	2.46E-07	12.20	**Snx10**	sorting nexin 10
A_51_P262171	2.49E-11	12.19	**Irgm1**	immunity-related GTPase family M member 1
A_30_P01019306	0.00012962	12.15		
A_30_P01019531	2.06E-05	12.11		
A_55_P2179266	0.000219667	12.10		
A_51_P271503	0.000738971	11.96	**Il1r1**	interleukin 1 receptor, type I
A_51_P120093	7.62E-08	11.96	**Snx10**	sorting nexin 10
A_66_P110343	8.75E-06	11.92	**Snx10**	sorting nexin 10
A_51_P120093	7.28E-08	11.87	**Snx10**	sorting nexin 10
A_55_P2036240	4.01E-05	11.83	**LOC100503637**	envelope glycoprotein-like
A_51_P120093	1.98E-07	11.80	**Snx10**	sorting nexin 10
A_51_P499698	0.000245599	11.75	**Asprv1**	aspartic peptidase, retroviral-like 1
A_30_P01027314	0.000181169	11.75		
A_55_P1990891	0.000437387	11.74		
A_51_P120093	1.11E-07	11.73	**Snx10**	sorting nexin 10
A_55_P2068607	7.99E-08	11.73	**Rnf19b**	ring finger protein 19B
A_51_P120093	7.97E-08	11.71	**Snx10**	sorting nexin 10
A_51_P120093	8.57E-09	11.70	**Snx10**	sorting nexin 10
A_51_P120093	6.41E-08	11.70	**Snx10**	sorting nexin 10
A_51_P375201	8.46E-07	11.69	**Plk3**	polo-like kinase 3 (Drosophila)
A_51_P120093	5.27E-08	11.66	**Snx10**	sorting nexin 10
A_51_P120093	1.35E-07	11.63	**Snx10**	sorting nexin 10
A_52_P1087486	3.14E-06	11.62	**Catsper1**	cation channel, sperm associated 1
A_66_P134808	4.42E-05	11.59	**Nos1ap**	nitric oxide synthase 1 (neuronal) adaptor protein
A_52_P273812	1.51E-06	11.57	**Ifitm5**	interferon induced transmembrane protein 5
A_55_P2156855	7.22E-05	11.55	**Car13**	carbonic anhydrase 13
A_51_P171075	1.36E-07	11.52	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P417891	7.32E-06	11.51	**Trim10**	tripartite motif-containing 10
A_51_P459908	0.001722761	11.49	**Olfr56**	olfactory receptor 56
A_30_P01025986	7.08E-06	11.47		
A_52_P383653	0.000123212	11.42	**Cpne8**	copine VIII
A_55_P2109445	0.000260288	11.42	**Irf4**	interferon regulatory factor 4
A_51_P322640	0.001186909	11.42	**Ccl24**	chemokine (C-C motif) ligand 24
A_55_P2086334	0.000225945	11.24	**Krt85**	keratin 85
A_55_P2041784	0.000258062	11.22	**Gna13**	guanine nucleotide binding protein, alpha 13
A_55_P2069515	7.47E-05	11.20	**Dennd4a**	DENN/MADD domain containing 4A
A_55_P1960238	0.000143172	11.18	**Slc2a6**	solute carrier family 2 (facilitated glucose transporter), member 6
A_52_P220879	4.03E-07	11.16	**Tgm2**	transglutaminase 2, C polypeptide
A_52_P91274	0.000103789	11.15	**1700018G05Rik**	RIKEN cDNA 1700018G05 gene
A_52_P64514	3.24E-06	11.14	**Herc6**	hect domain and RLD 6
A_55_P2039086	1.76E-06	11.08	**Nfkbiz**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
A_51_P477364	2.57E-07	11.02	**Rhob**	ras homolog gene family, member B
A_55_P1978424	0.000133092	10.98	**Bcl2a1d**	B-cell leukemia/lymphoma 2 related protein A1d
A_51_P444447	7.91E-09	10.96	**Cebpd**	CCAAT/enhancer binding protein (C/EBP), delta
A_51_P171075	3.01E-05	10.95	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_55_P2114953	5.27E-08	10.94	**Usp18**	ubiquitin specific peptidase 18
A_66_P128537	1.73E-06	10.94	**Isg15**	ISG15 ubiquitin-like modifier
A_51_P171075	0.000267569	10.93	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P296608	2.59E-05	10.91	**Gadd45a**	growth arrest and DNA-damage-inducible 45 alpha
A_55_P2103698	3.94E-06	10.86	**Isg15**	ISG15 ubiquitin-like modifier
A_51_P171075	8.74E-06	10.83	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_55_P1980796	3.08E-05	10.82	**Il2ra**	interleukin 2 receptor, alpha chain
A_51_P348280	8.85E-09	10.82	**Il17ra**	interleukin 17 receptor A
A_51_P418432	0.000100099	10.82	**Lrrc18**	leucine rich repeat containing 18
A_52_P282762	2.21E-07	10.77	**Myd88**	myeloid differentiation primary response gene 88
A_55_P1984168	3.58E-05	10.77	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_55_P2091461	9.91E-05	10.77	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_51_P444290	0.000360196	10.75	**Slamf8**	SLAM family member 8
A_55_P2115330	0.000461086	10.73	**Nrg4**	neuregulin 4
A_52_P282762	6.40E-08	10.69	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2088995	8.13E-06	10.63	**Plscr1**	phospholipid scramblase 1
A_52_P434055	0.000229377	10.63	**Birc3**	baculoviral IAP repeat-containing 3
A_52_P282762	1.07E-07	10.62	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2367803	0.003172638	10.61	**Il2**	interleukin 2
A_55_P2164492	8.04E-05	10.60		
A_52_P282762	3.07E-07	10.59	**Myd88**	myeloid differentiation primary response gene 88
A_55_P1985985	0.004351863	10.57	**Il3**	interleukin 3
A_55_P2066116	6.45E-10	10.52	**Bcl3**	B-cell leukemia/lymphoma 3
A_51_P417701	1.06E-06	10.51	**Apaf1**	apoptotic peptidase activating factor 1
A_52_P282762	2.91E-07	10.50	**Myd88**	myeloid differentiation primary response gene 88
A_52_P282762	9.36E-08	10.48	**Myd88**	myeloid differentiation primary response gene 88

A_52_P282762	3.36E-08	10.45	**Myd88**	myeloid differentiation primary response gene 88
A_52_P282762	1.17E-07	10.44	**Myd88**	myeloid differentiation primary response gene 88
A_51_P115005	5.66E-05	10.41	**Edn1**	endothelin 1
A_52_P282762	1.86E-07	10.36	**Myd88**	myeloid differentiation primary response gene 88
A_51_P195958	1.98E-06	10.27	**Phlda1**	pleckstrin homology-like domain, family A, member 1
A_55_P2243431	1.46E-05	10.25	**Gdap10**	ganglioside-induced differentiation-associated-protein 10
A_55_P1980287	5.43E-09	10.24	**Birc3**	baculoviral IAP repeat-containing 3
A_55_P2078433	0.000190728	10.13	**Mcoln2**	mucolipin 2
A_30_P01022005	0.000156728	10.13		
A_51_P100327	4.49E-09	10.12	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P167292	0.004066066	10.11	**Chi3l3**	chitinase 3-like 3
A_52_P282762	5.37E-08	10.03	**Myd88**	myeloid differentiation primary response gene 88
A_51_P100327	6.65E-09	10.02	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_52_P403484	0.000710593	10.02	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2
A_51_P351015	6.42E-08	10.00	**Lta**	lymphotoxin A
A_55_P2136880	4.07E-08	9.97	**Ppp1r15a**	protein phosphatase 1, regulatory (inhibitor) subunit 15A
A_51_P100327	4.02E-09	9.95	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_52_P679860	4.63E-06	9.95	**Herc6**	hect domain and RLD 6
A_30_P01033084	0.000721129	9.92		
A_30_P01021483	2.73E-08	9.92		
A_55_P2057118	7.68E-06	9.91		
A_30_P01032273	6.38E-05	9.87		
A_51_P100327	3.53E-09	9.83	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_52_P422494	1.80E-07	9.82	**Cd300lf**	CD300 antigen like family member F
A_55_P1981455	9.28E-07	9.79		
A_51_P237865	3.53E-05	9.79	**Il4**	interleukin 4
A_51_P473953	1.20E-09	9.78	**Arhgef26**	Rho guanine nucleotide exchange factor (GEF) 26
A_51_P100327	2.68E-10	9.75	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P100327	2.62E-09	9.73	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P100327	5.73E-09	9.69	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P489996	0.000105777	9.68		
A_51_P196972	0.000174368	9.67	**Slc4a1**	solute carrier family 4 (anion exchanger), member 1
A_51_P100327	5.48E-09	9.66	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P100327	3.34E-08	9.66	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P342567	0.003322643	9.65	**Akap12**	A kinase (PRKA) anchor protein (gravin) 12
A_55_P2017347	9.45E-07	9.59	**Krtap11-1**	keratin associated protein 11-1
A_51_P100327	3.10E-09	9.59	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P199135	7.63E-06	9.57	**Cd83**	CD83 antigen
A_30_P01028308	2.49E-05	9.54		
A_30_P01028688	0.000196428	9.53		
A_55_P2133776	0.000694354	9.52	**Dppa1**	developmental pluripotency associated 1
A_52_P174915	5.98E-05	9.50	**Gja1**	gap junction protein, alpha 1
A_30_P01032748	0.00034049	9.49		
A_55_P2155103	0.00267568	9.44	**Sypl2**	synaptophysin-like 2
A_55_P2187141	2.19E-07	9.43	**Pdcd1lg2**	programmed cell death 1 ligand 2
A_51_P254471	6.50E-09	9.37	**Birc2**	baculoviral IAP repeat-containing 2
A_55_P2183438	9.58E-05	9.34	**Runx1**	runt related transcription factor 1
A_52_P174915	8.73E-05	9.33	**Gja1**	gap junction protein, alpha 1
A_30_P01025357	2.36E-06	9.33		
A_30_P01026610	2.28E-05	9.18		
A_55_P2029687	1.41E-05	9.17	**Hmox1**	heme oxygenase (decycling) 1
A_30_P01025572	2.94E-05	9.16		
A_51_P107362	9.93E-06	9.14	**Socs2**	suppressor of cytokine signaling 2
A_30_P01031618	0.001002835	9.13		
A_30_P01025452	0.000997479	9.11		
A_66_P130813	6.03E-07	9.10	**Samd4**	sterile alpha motif domain containing 4
A_51_P228768	8.73E-05	9.10	**Slfn3**	schlafen 3
A_30_P01028093	0.000133185	9.09		
A_51_P237865	1.70E-05	9.08	**Il4**	interleukin 4
A_55_P1966194	0.000176825	9.07	**Plek**	pleckstrin
A_51_P514712	2.75E-08	8.94	**Parp14**	poly (ADP-ribose) polymerase family, member 14
A_55_P1990633	7.50E-08	8.93	**Iigp1**	interferon inducible GTPase 1
A_51_P237865	5.84E-05	8.86	**Il4**	interleukin 4
A_55_P2032232	1.94E-08	8.81	**Rgs9**	regulator of G-protein signaling 9
A_51_P237865	5.29E-05	8.78	**Il4**	interleukin 4
A_30_P01024838	0.003071256	8.76		
A_55_P2093614	8.01E-05	8.76		
A_51_P115005	1.01E-05	8.76	**Edn1**	endothelin 1
A_30_P01029443	0.000686174	8.73		
A_55_P2118674	1.36E-08	8.73	**Tnip1**	TNFAIP3 interacting protein 1
A_30_P01031137	0.002746394	8.72		
A_51_P189746	2.36E-07	8.70	**Pim3**	proviral integration site 3
A_55_P2012979	0.000495406	8.69	**Itgb2l**	integrin beta 2-like
A_52_P563825	0.000546224	8.62	**B3galt1**	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1
A_51_P171075	3.52E-05	8.62	**Csf2**	colony stimulating factor 2 (granulocyte-macrophage)
A_51_P107362	8.03E-06	8.60	**Socs2**	suppressor of cytokine signaling 2
A_51_P333274	0.000800617	8.60	**Gzmb**	granzyme B
A_55_P2171493	8.26E-05	8.59	**BC030867**	cDNA sequence BC030867
A_51_P246653	0.000233981	8.57	**Clec7a**	C-type lectin domain family 7, member a
A_55_P2118675	3.65E-09	8.57	**Tnip1**	TNFAIP3 interacting protein 1
A_51_P508838	7.40E-05	8.56	**Kcne4**	potassium voltage-gated channel, Isk-related subfamily, gene 4
A_55_P2159485	0.000241166	8.55		
A_55_P1977149	3.78E-09	8.55	**4933426M11Rik**	RIKEN cDNA 4933426M11 gene
A_51_P107362	5.07E-06	8.54	**Socs2**	suppressor of cytokine signaling 2
A_55_P1966731	1.43E-05	8.53	**Ifi203**	interferon activated gene 203
A_51_P237865	2.44E-05	8.52	**Il4**	interleukin 4
A_52_P85174	3.55E-07	8.51	**Tlr3**	toll-like receptor 3
A_51_P443754	2.32E-08	8.50	**Hivep2**	human immunodeficiency virus type I enhancer binding protein 2
A_51_P315904	7.80E-07	8.49	**Gadd45g**	growth arrest and DNA-damage-inducible 45 gamma
A_30_P01023244	8.31E-07	8.49		
A_30_P01028475	2.35E-05	8.49		
A_55_P1969032	7.83E-08	8.48	**Rgs9**	regulator of G-protein signaling 9
A_55_P2076462	0.000155077	8.48	**Lnx1**	ligand of numb-protein X 1
A_30_P01030435	0.001486408	8.46		
A_51_P107362	5.82E-06	8.46	**Socs2**	suppressor of cytokine signaling 2
A_51_P115005	1.88E-06	8.43	**Edn1**	endothelin 1
A_55_P2395911	0.000882467	8.43	**D2Ertd295e**	DNA segment, Chr 2, ERATO Doi 295, expressed
A_55_P1992834	8.29E-06	8.42	**Socs2**	suppressor of cytokine signaling 2
A_30_P01032599	0.003626703	8.42		
A_52_P174915	0.000285423	8.40	**Gja1**	gap junction protein, alpha 1
A_30_P01024596	0.000367356	8.40		
A_55_P1978521	6.06E-07	8.40	**Gbp10**	guanylate-binding protein 10
A_51_P284946	1.06E-07	8.36	**Rnd3**	Rho family GTPase 3
A_55_P1973809	5.73E-05	8.36	**Hbb-b1**	hemoglobin, beta adult major chain
A_66_P125389	1.25E-05	8.36	**F830016B08Rik**	RIKEN cDNA F830016B08 gene

A_51_P212782	0.000179066	8.35	**Il1b**	interleukin 1 beta
A_55_P2081488	0.000566467	8.34	**Pglyrp1**	peptidoglycan recognition protein 1
A_52_P174915	6.37E-05	8.34	**Gja1**	gap junction protein, alpha 1
A_51_P107362	5.47E-06	8.33	**Socs2**	suppressor of cytokine signaling 2
A_51_P107362	1.16E-05	8.32	**Socs2**	suppressor of cytokine signaling 2
A_55_P2410304	2.01E-08	8.30	**Iigp1**	interferon inducible GTPase 1
A_55_P2019699	6.51E-09	8.30	**Samhd1**	SAM domain and HD domain, 1
A_55_P2071952	2.14E-05	8.30	**Wdr92**	WD repeat domain 92
A_51_P107362	7.50E-06	8.29	**Socs2**	suppressor of cytokine signaling 2
A_51_P260683	0.000469712	8.26	**Rgs1**	regulator of G-protein signaling 1
A_30_P01023590	2.85E-08	8.26		
A_51_P107362	1.11E-05	8.26	**Socs2**	suppressor of cytokine signaling 2
A_51_P107362	5.08E-06	8.25	**Socs2**	suppressor of cytokine signaling 2
A_55_P2081164	9.28E-06	8.25	**Cd300lf**	CD300 antigen like family member F
A_51_P107362	1.32E-05	8.24	**Socs2**	suppressor of cytokine signaling 2
A_30_P01030934	0.000906651	8.21		
A_51_P237865	0.000166684	8.20	**Il4**	interleukin 4
A_51_P112355	7.09E-07	8.19	**Igtp**	interferon gamma induced GTPase
A_66_P114705	3.96E-05	8.18	**Adamts6**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 6
A_55_P1966928	0.000161556	8.18	**Lnx1**	ligand of numb-protein X 1
A_51_P212782	9.95E-05	8.18	**Il1b**	interleukin 1 beta
A_55_P2170405	6.43E-08	8.17		
A_51_P258721	0.004228615	8.16	**Tpsg1**	tryptase gamma 1
A_66_P110769	0.000763125	8.16	**Cabyr**	calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)
A_51_P115005	5.48E-06	8.16	**Edn1**	endothelin 1
A_30_P01018928	0.000831707	8.15		
A_30_P01021136	7.81E-05	8.13		
A_51_P159453	4.66E-06	8.13	**Serpina3n**	serine (or cysteine) peptidase inhibitor, clade A, member 3N
A_51_P112355	4.45E-07	8.12	**Igtp**	interferon gamma induced GTPase
A_51_P351015	4.70E-07	8.12	**Lta**	lymphotoxin A
A_52_P87843	4.67E-08	8.10	**Aldh1a3**	aldehyde dehydrogenase family 1, subfamily A3
A_52_P174915	0.000158779	8.08	**Gja1**	gap junction protein, alpha 1
A_55_P2000067	1.04E-06	8.08	**Irf1**	interferon regulatory factor 1
A_52_P108346	6.43E-06	8.07	**Myc**	myelocytomatosis oncogene
A_30_P01027576	1.93E-05	8.07		
A_51_P112355	1.36E-06	8.07	**Igtp**	interferon gamma induced GTPase
A_55_P2096947	0.001607342	8.05	**Ereg**	epiregulin
A_51_P112355	1.08E-07	8.05	**Igtp**	interferon gamma induced GTPase
A_55_P2051596	4.78E-05	8.04		
A_51_P112355	7.00E-07	8.03	**Igtp**	interferon gamma induced GTPase
A_51_P115005	3.39E-06	8.02	**Edn1**	endothelin 1
A_51_P325223	0.001301922	8.02	**Lin7b**	lin-7 homolog B (C. elegans)
A_55_P1971378	0.000244893	8.01	**Nlrp12**	NLR family, pyrin domain containing 12
A_51_P112355	6.90E-07	8.00	**Igtp**	interferon gamma induced GTPase
A_51_P351015	2.44E-08	7.98	**Lta**	lymphotoxin A
A_55_P2028259	8.50E-08	7.98	**Rhbdf2**	rhomboid 5 homolog 2 (Drosophila)
A_55_P2094868	0.000100918	7.97	**Ly75**	lymphocyte antigen 75
A_55_P2020090	0.00043421	7.97	**Mum1l1**	melanoma associated antigen (mutated) 1-like 1
A_51_P112355	6.96E-07	7.97	**Igtp**	interferon gamma induced GTPase
A_51_P162955	5.08E-05	7.96	**Serpina7**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7
A_30_P01027543	4.69E-06	7.95		
A_51_P115005	1.17E-05	7.93	**Edn1**	endothelin 1
A_51_P112355	3.52E-07	7.93	**Igtp**	interferon gamma induced GTPase
A_51_P212782	0.000200629	7.92	**Il1b**	interleukin 1 beta
A_30_P01023276	1.16E-05	7.92		
A_51_P112355	2.16E-06	7.87	**Igtp**	interferon gamma induced GTPase
A_51_P115005	1.65E-05	7.86	**Edn1**	endothelin 1
A_51_P114616	7.21E-06	7.86	**Batf**	basic leucine zipper transcription factor, ATF-like
A_52_P248403	5.00E-05	7.85		
A_30_P01023083	2.72E-06	7.84		
A_55_P1998811	7.00E-05	7.82		
A_52_P174915	0.000149836	7.77	**Gja1**	gap junction protein, alpha 1
A_51_P385718	0.003497069	7.77	**Cd177**	CD177 antigen
A_51_P212782	0.000130424	7.76	**Il1b**	interleukin 1 beta
A_51_P312336	0.003524598	7.75	**Slc14a1**	solute carrier family 14 (urea transporter), member 1
A_55_P2004224	0.000508087	7.75		
A_55_P1992838	9.97E-06	7.74	**Socs2**	suppressor of cytokine signaling 2
A_51_P115005	4.32E-06	7.74	**Edn1**	endothelin 1
A_66_P140121	4.45E-06	7.74		
A_52_P100926	0.001646028	7.73	**Il1a**	interleukin 1 alpha
A_55_P2085165	0.000653452	7.72		
A_51_P212782	0.000173813	7.70	**Il1b**	interleukin 1 beta
A_51_P509643	4.88E-05	7.69	**Snca**	synuclein, alpha
A_51_P176972	0.000513449	7.69	**Amigo2**	adhesion molecule with Ig like domain 2
A_30_P01020502	8.56E-08	7.69		
A_55_P1983708	5.17E-05	7.68	**Insrr**	insulin receptor-related receptor
A_51_P112355	1.52E-06	7.67	**Igtp**	interferon gamma induced GTPase
A_51_P115005	5.05E-06	7.67	**Edn1**	endothelin 1
A_51_P450278	7.38E-05	7.65	**2010003K11Rik**	RIKEN cDNA 2010003K11 gene
A_30_P01023338	1.25E-05	7.65		
A_51_P212782	7.37E-05	7.64	**Il1b**	interleukin 1 beta
A_52_P108346	1.35E-05	7.63	**Myc**	myelocytomatosis oncogene
A_51_P114616	2.72E-05	7.63	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P451346	2.77E-07	7.62	**Klf6**	Kruppel-like factor 6
A_55_P1982030	0.000416161	7.62	**H3f3b**	H3 histone, family 3B
A_51_P490795	2.57E-08	7.61	**Mxd1**	MAX dimerization protein 1
A_51_P212782	0.00014952	7.60	**Il1b**	interleukin 1 beta
A_30_P01023737	3.61E-05	7.60		
A_30_P01025756	7.27E-05	7.60		
A_66_P105585	7.15E-07	7.60	**Slfn8**	schlafen 8
A_51_P212782	0.000183206	7.59	**Il1b**	interleukin 1 beta
A_66_P139683	4.96E-06	7.59	**Zbp1**	Z-DNA binding protein 1
A_51_P114616	2.26E-05	7.57	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P212782	0.000122943	7.56	**Il1b**	interleukin 1 beta
A_51_P237865	4.17E-05	7.56	**Il4**	interleukin 4
A_51_P185757	8.00E-06	7.54	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_51_P351015	1.56E-06	7.52	**Lta**	lymphotoxin A
A_55_P2023294	8.12E-07	7.52	**Il20rb**	interleukin 20 receptor beta
A_52_P174915	5.04E-05	7.52	**Gja1**	gap junction protein, alpha 1
A_51_P329003	0.000185135	7.51	**Slc25a31**	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31
A_51_P114616	1.31E-05	7.51	**Batf**	basic leucine zipper transcription factor, ATF-like
A_30_P01033671	0.000190471	7.47		
A_51_P212782	0.000162267	7.47	**Il1b**	interleukin 1 beta
A_55_P2233373	0.001608777	7.46	**D930023I05Rik**	RIKEN cDNA D930023I05 gene
A_51_P419286	3.31E-05	7.44	**Batf3**	basic leucine zipper transcription factor, ATF-like 3

A_52_P280832	8.24E-06	7.44	**Defb34**	defensin beta 34
A_51_P114616	3.35E-05	7.43	**Batf**	basic leucine zipper transcription factor, ATF-like
A_52_P590474	2.47E-07	7.43	**Ccnl1**	cyclin L1
A_52_P174915	7.14E-05	7.40	**Gja1**	gap junction protein, alpha 1
A_51_P115005	5.02E-06	7.40	**Edn1**	endothelin 1
A_51_P359570	4.69E-08	7.40	**Ifit3**	interferon-induced protein with tetratricopeptide repeats 3
A_55_P2038540	0.000489502	7.38	**Hbb-b2**	hemoglobin, beta adult minor chain
A_51_P150302	9.22E-05	7.37	**Crtam**	cytotoxic and regulatory T cell molecule
A_52_P98625	3.18E-11	7.37	**Ankrd57**	ankyrin repeat domain 57
A_55_P1990815	0.001384405	7.36	**Tcp10c**	t-complex protein 10c
A_51_P114616	1.42E-05	7.35	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2080850	1.39E-06	7.34	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2
A_55_P2007496	0.000157194	7.32		
A_55_P2095583	0.000925396	7.31	**Tcp10b**	t-complex protein 10b
A_66_P116098	5.50E-07	7.30	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2
A_55_P2180519	0.000124065	7.30		
A_51_P114616	7.03E-05	7.28	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2033690	0.000122191	7.28	**LOC637916**	midline-1-like
A_55_P2159885	0.001724946	7.25	**Tead1**	TEA domain family member 1
A_51_P114616	2.32E-05	7.24	**Batf**	basic leucine zipper transcription factor, ATF-like
A_30_P01023508	1.06E-06	7.23		
A_55_P1974005	3.36E-06	7.22	**Tnfrsf23**	tumor necrosis factor receptor superfamily, member 23
A_51_P351015	0.000264468	7.21	**Lta**	lymphotoxin A
A_52_P628590	2.16E-05	7.21	**Pvr**	poliovirus receptor
A_30_P01021573	2.16E-06	7.18		
A_30_P01018875	1.40E-08	7.17		
A_55_P2337073	6.60E-05	7.15	**Mid1**	midline 1
A_51_P351015	9.16E-07	7.13	**Lta**	lymphotoxin A
A_55_P2025765	5.14E-08	7.12	**Adam8**	a disintegrin and metallopeptidase domain 8
A_51_P237865	8.76E-06	7.11	**Il4**	interleukin 4
A_30_P01018879	0.000251085	7.10		
A_55_P1995055	5.29E-05	7.09	**Prr7**	proline rich 7 (synaptic)
A_55_P2063237	0.000866449	7.09	**Dusp5**	dual specificity phosphatase 5
A_30_P01022549	6.49E-06	7.07		
A_52_P174915	4.86E-05	7.06	**Gja1**	gap junction protein, alpha 1
A_55_P1966774	2.15E-05	7.04	**Serpina3i**	serine (or cysteine) peptidase inhibitor, clade A, member 3I
A_55_P2038983	2.04E-06	7.04		
A_51_P417854	3.99E-09	7.03	**Rab20**	RAB20, member RAS oncogene family
A_51_P114616	2.40E-05	7.00	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2046802	2.74E-05	6.99	**Mlkl**	mixed lineage kinase domain-like
A_52_P541161	3.07E-07	6.96	**Rgs18**	regulator of G-protein signaling 18
A_52_P517098	0.000794418	6.95	**Il18rap**	interleukin 18 receptor accessory protein
A_51_P237865	7.81E-06	6.93	**Il4**	interleukin 4
A_30_P01030277	6.96E-05	6.93		
A_51_P459489	3.59E-07	6.90	**Tmco5**	transmembrane and coiled-coil domains 5
A_52_P299771	0.001142031	6.89	**Bcl2a1c**	B-cell leukemia/lymphoma 2 related protein A1c
A_51_P187750	3.39E-05	6.89	**Neurl3**	neuralized homolog 3 homolog (Drosophila)
A_51_P421958	0.000196591	6.89	**Sgms1**	sphingomyelin synthase 1
A_52_P184149	0.0013127	6.89	**Mthfd2**	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase
A_55_P1968743	1.49E-07	6.88	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_55_P2106504	7.48E-05	6.83	**Skor1**	SKI family transcriptional corepressor 1
A_30_P01024637	0.000322564	6.83		
A_55_P2111603	9.54E-05	6.82		
A_66_P124724	1.88E-06	6.81	**Rnf19b**	ring finger protein 19B
A_55_P2108151	0.000418707	6.81	**Beta-s**	hemoglobin subunit beta-1-like
A_55_P1978666	0.000446148	6.79	**Sybu**	syntabulin (syntaxin-interacting)
A_51_P153995	1.63E-07	6.79	**Gp9**	glycoprotein 9 (platelet)
A_55_P2090633	2.06E-07	6.79	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_55_P1991874	0.002590505	6.79	**Dcpp3**	demilune cell and parotid protein 3
A_55_P2099810	0.001590379	6.76	**Akap12**	A kinase (PRKA) anchor protein (gravin) 12
A_55_P2090060	3.65E-05	6.75	**BC037703**	cDNA sequence BC037703
A_51_P246317	3.56E-08	6.71	**Mt2**	metallothionein 2
A_55_P2258956	0.000480174	6.70	**AU044856**	expressed sequence AU044856
A_52_P77080	0.003615314	6.69	**Gypa**	glycophorin A
A_51_P159503	3.33E-08	6.68		
A_30_P01025433	1.85E-05	6.67		
A_55_P2402781	0.00036246	6.67	**B230216N24Rik**	RIKEN cDNA B230216N24 gene
A_30_P01030466	0.000459052	6.66		
A_52_P174915	3.45E-05	6.65	**Gja1**	gap junction protein, alpha 1
A_55_P1983668	6.42E-05	6.65	**Gm6377**	predicted gene 6377
A_55_P2022419	2.00E-06	6.65	**D030018L15Rik**	nuclear receptor coactivator 2 pseudogene
A_51_P114616	9.52E-06	6.64	**Batf**	basic leucine zipper transcription factor, ATF-like
A_30_P01025491	7.11E-06	6.63		
A_30_P01026855	0.0009743	6.63		
A_55_P2046852	0.003575985	6.61	**Gata1**	GATA binding protein 1
A_55_P2016034	3.64E-09	6.61	**Nlrc5**	NLR family, CARD domain containing 5
A_30_P01021493	0.000128883	6.60		
A_66_P128525	3.05E-07	6.59	**Slfn5**	schlafen 5
A_30_P01028387	6.97E-10	6.58		
A_51_P237865	7.37E-05	6.57	**Il4**	interleukin 4
A_51_P496751	1.04E-07	6.53	**Nop58**	NOP58 ribonucleoprotein homolog (yeast)
A_51_P351481	2.11E-07	6.52	**Ccnl1**	cyclin L1
A_30_P01022729	0.000580833	6.52		
A_55_P1964347	2.78E-09	6.52		
A_30_P01032078	0.002111282	6.50		
A_30_P01018695	2.37E-06	6.50		
A_52_P23308	9.28E-06	6.50	**5730508B09Rik**	RIKEN cDNA 5730508B09 gene
A_51_P176086	0.001088371	6.48	**Ffar2**	free fatty acid receptor 2
A_55_P2022399	0.000292362	6.48	**Ghrl**	ghrelin
A_30_P01018824	7.01E-06	6.46		
A_55_P1991199	1.06E-05	6.45	**Nos1ap**	nitric oxide synthase 1 (neuronal) adaptor protein
A_55_P1966833	3.99E-07	6.44	**Xaf1**	XIAP associated factor 1
A_55_P2019557	6.49E-05	6.43	**Mrgpra2b**	MAS-related GPR, member A2B
A_55_P1994042	5.09E-05	6.42	**Zbp1**	Z-DNA binding protein 1
A_55_P2091676	2.58E-07	6.42	**Fas**	Fas (TNF receptor superfamily member 6)
A_55_P1957459	7.25E-05	6.40	**Lilrb4**	leukocyte immunoglobulin-like receptor, subfamily B, member 4
A_51_P219505	0.000204045	6.37	**Slc41a2**	solute carrier family 41, member 2
A_51_P146753	0.001366318	6.36	**Csf2rb2**	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)
A_55_P2090505	1.16E-05	6.36		
A_52_P617327	7.66E-05	6.35	**Rcan1**	regulator of calcineurin 1
A_55_P2130839	0.000198529	6.35		
A_30_P01024661	6.37E-06	6.33		
A_52_P489295	2.22E-05	6.33	**Adamts1**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1
A_30_P01026595	0.0014627	6.32		
A_30_P01024610	1.88E-05	6.30		

A_55_P2055587	2.68E-08	6.30	**Enpp4**	ectonucleotide pyrophosphatase/phosphodiesterase 4
A_55_P2035623	7.72E-05	6.29	**Zfp473**	zinc finger protein 473
A_52_P642239	5.80E-07	6.29	**Pik3ap1**	phosphoinositide-3-kinase adaptor protein 1
A_52_P232580	2.11E-05	6.29	**Dyrk3**	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
A_55_P2100884	1.33E-05	6.29	**Fjx1**	four jointed box 1 (Drosophila)
A_51_P304170	5.72E-10	6.27	**Rtp4**	receptor transporter protein 4
A_55_P1956593	0.001377885	6.25	**Plekha4**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4
A_30_P01029901	0.000362073	6.24		
A_30_P01019079	0.000886545	6.23		
A_52_P319438	0.000330683	6.18	**Ankrd37**	ankyrin repeat domain 37
A_51_P254656	0.000160304	6.18	**Hdc**	histidine decarboxylase
A_55_P2082180	0.000222667	6.17	**Tnfrsf9**	tumor necrosis factor receptor superfamily, member 9
A_55_P1968738	1.28E-06	6.16	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_52_P247927	2.26E-05	6.15		
A_65_P06572	6.54E-07	6.14	**Smad5**	MAD homolog 5 (Drosophila)
A_55_P2010271	1.13E-05	6.14	**Samsn1**	SAM domain, SH3 domain and nuclear localization signals, 1
A_30_P01021837	0.000240415	6.13		
A_55_P2040295	2.07E-08	6.13	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_55_P1979682	6.43E-05	6.13	**Ikzf4**	IKAROS family zinc finger 4
A_55_P2348948	0.000160964	6.12		
A_52_P599055	2.57E-08	6.12	**Atg14**	VATG14 autophagy related 14 homolog (S. cerevisiae)
A_55_P2104026	4.54E-05	6.12		
A_51_P295192	5.66E-09	6.10	**Nfkbia**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
A_51_P200517	0.000379733	6.10	**Rasgef1a**	RasGEF domain family, member 1A
A_66_P108019	9.12E-06	6.10	**Heatr1**	HEAT repeat containing 1
A_30_P01018715	4.59E-07	6.10		
A_30_P01025810	4.91E-09	6.09		
A_55_P2004016	0.000226488	6.09	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_52_P516034	1.64E-07	6.08	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_55_P2174524	1.05E-05	6.07		
A_55_P2091676	2.53E-07	6.06	**Fas**	Fas (TNF receptor superfamily member 6)
A_51_P279062	8.13E-08	6.06	**Treml1**	triggering receptor expressed on myeloid cells-like 1
A_55_P2067473	8.10E-06	6.04		
A_55_P1985337	0.00011127	6.04	**Sytl3**	synaptotagmin-like 3
A_52_P667287	6.99E-05	6.04	**Lass6**	LAG1 homolog, ceramide synthase 6
A_30_P01021037	1.16E-08	6.03		
A_66_P114102	7.37E-08	6.03	**Zfp36l2**	zinc finger protein 36, C3H type-like 2
A_55_P2361652	9.87E-05	6.02	**C230085N15Rik**	RIKEN cDNA C230085N15 gene
A_55_P2219194	0.000233436	6.01	**4930568E12Rik**	RIKEN cDNA 4930568E12 gene
A_30_P01029344	9.97E-05	6.00		
A_55_P2155197	3.20E-08	6.00	**Tnfrsf22**	tumor necrosis factor receptor superfamily, member 22
A_30_P01029868	1.95E-08	6.00		
A_55_P2032775	0.002048165	5.98		
A_30_P01019832	1.28E-05	5.97		
A_55_P2230913	1.58E-05	5.97	**Etv6**	ets variant gene 6 (TEL oncogene)
A_52_P250644	0.0001242	5.96		
A_55_P2058783	0.00147218	5.95	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_55_P1968738	5.13E-07	5.93	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_55_P1956762	0.000457879	5.93		
A_55_P2027022	5.70E-07	5.92	**Prdm1**	PR domain containing 1, with ZNF domain
A_55_P2050268	1.54E-07	5.92	**Nfkbid**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta
A_55_P2013760	9.62E-11	5.91	**Slc39a14**	solute carrier family 39 (zinc transporter), member 14
A_51_P351015	2.12E-06	5.90	**Lta**	lymphotoxin A
A_30_P01023429	0.000538511	5.89		
A_55_P1969128	0.001751381	5.89	**Cidec**	cell death-inducing DFFA-like effector c
A_55_P2051666	7.55E-05	5.89	**Nfkbib**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
A_51_P414746	2.07E-06	5.87	**Defb15**	defensin beta 15
A_55_P2135200	6.25E-08	5.87	**Slfn10-ps**	schlafen 10, pseudogene
A_52_P199633	7.62E-06	5.87	**Trim30d**	tripartite motif-containing 30D
A_51_P428578	1.92E-08	5.86	**Fam134b**	family with sequence similarity 134, member B
A_30_P01032288	4.28E-05	5.86		
A_30_P01024450	9.87E-06	5.83		
A_51_P468240	7.14E-09	5.80	**Dennd4a**	DENN/MADD domain containing 4A
A_51_P439085	0.00258719	5.78	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_51_P240801	4.71E-07	5.78	**Tmem173**	transmembrane protein 173
A_52_P106259	0.00016169	5.77	**Egfr**	epidermal growth factor receptor
A_55_P2116059	2.31E-09	5.76	**Aim1**	absent in melanoma 1
A_51_P389885	0.000297041	5.75	**Spic**	Spi-C transcription factor (Spi-1/PU.1 related)
A_30_P01023623	2.75E-06	5.75		
A_55_P1990780	9.42E-10	5.73	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_51_P196925	1.40E-06	5.73	**Cx3cl1**	chemokine (C-X3-C motif) ligand 1
A_30_P01032592	2.82E-06	5.73		
A_55_P1953241	1.96E-09	5.72	**Mafk**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)
A_52_P106259	0.000107616	5.72	**Egfr**	epidermal growth factor receptor
A_66_P106661	0.000124586	5.71	**Slc7a1**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
A_52_P354744	0.00022866	5.71	**Slc2a3**	solute carrier family 2 (facilitated glucose transporter), member 3
A_55_P2083619	3.49E-05	5.70	**Rab8b**	RAB8B, member RAS oncogene family
A_52_P494730	0.000388591	5.69	**Gm12185**	predicted gene 12185
A_52_P106259	5.80E-05	5.69	**Egfr**	epidermal growth factor receptor
A_52_P106259	9.25E-05	5.69	**Egfr**	epidermal growth factor receptor
A_52_P49321	4.40E-05	5.69	**Adamts9**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9
A_52_P557059	2.96E-05	5.68	**Olfr536**	olfactory receptor 536
A_30_P01021730	0.000321414	5.68		
A_52_P106259	0.000112962	5.67	**Egfr**	epidermal growth factor receptor
A_55_P1995195	4.99E-09	5.67	**Fosl2**	fos-like antigen 2
A_51_P127681	5.34E-07	5.66	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2093277	3.18E-05	5.66	**Olfr1077-ps1**	olfactory receptor 1077, pseudogene 1
A_55_P1962303	1.61E-05	5.66	**Hba-a1**	hemoglobin alpha, adult chain 1
A_55_P1985433	5.85E-07	5.66	**Nrg1**	neuregulin 1
A_51_P297369	0.000182931	5.64	**Olfr530**	olfactory receptor 530
A_55_P2140745	8.09E-08	5.64		
A_51_P195506	1.56E-05	5.62	**Csf1**	colony stimulating factor 1 (macrophage)
A_51_P127681	8.76E-07	5.62	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2401403	9.06E-07	5.62	**C030046G05**	hypothetical protein C030046G05
A_51_P127681	5.53E-07	5.62	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_51_P127681	4.86E-07	5.61	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_52_P14456	8.67E-05	5.61	**Srrm4**	serine/arginine repetitive matrix 4
A_55_P1974288	8.83E-10	5.60	**Rela**	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
A_52_P106259	8.67E-05	5.60	**Egfr**	epidermal growth factor receptor
A_30_P01031641	1.25E-05	5.60		
A_30_P01029548	0.000372504	5.60		
A_52_P106259	8.88E-05	5.58	**Egfr**	epidermal growth factor receptor
A_30_P01033049	0.000103334	5.57		
A_52_P468068	1.24E-06	5.56	**Tchh**	trichohyalin
A_55_P2114187	0.003312556	5.56	**Gm6522**	predicted gene 6522

A_55_P1957353	1.51E-06	5.56		
A_51_P195506	1.64E-05	5.56	**Csf1**	colony stimulating factor 1 (macrophage)
A_30_P01024007	0.001317035	5.55		
A_51_P127681	2.77E-07	5.54	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2015687	9.79E-05	5.54	**D14Ertd668e**	DNA segment, Chr 14, ERATO Doi 668, expressed
A_55_P2052016	4.13E-05	5.54	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_51_P127681	6.85E-07	5.53	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_51_P195506	7.73E-06	5.53	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2007408	0.001124068	5.52		
A_30_P01033378	2.39E-05	5.52		
A_55_P2444515	0.000106545	5.51	**Akap2**	A kinase (PRKA) anchor protein 2
A_51_P299739	1.69E-06	5.51	**D10Wsu102e**	DNA segment, Chr 10, Wayne State University 102, expressed
A_51_P423578	0.000181846	5.51	**Slfn2**	schlafen 2
A_51_P127681	5.71E-07	5.50	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_30_P01028457	9.36E-08	5.47		
A_51_P127681	1.55E-06	5.46	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_51_P195506	6.98E-06	5.46	**Csf1**	colony stimulating factor 1 (macrophage)
A_52_P106259	7.46E-05	5.46	**Egfr**	epidermal growth factor receptor
A_30_P01026746	5.18E-06	5.45		
A_52_P106259	7.08E-05	5.45	**Egfr**	epidermal growth factor receptor
A_55_P1959496	0.00041744	5.44		
A_51_P127681	4.68E-07	5.44	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_51_P362661	6.39E-07	5.44	**Spin4**	spindlin family, member 4
A_30_P01025587	2.25E-05	5.43		
A_51_P127681	7.15E-07	5.43	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2103225	0.000319807	5.42	**Slc25a18**	solute carrier family 25 (mitochondrial carrier), member 18
A_55_P1972872	2.93E-06	5.42	**I830012O16Rik**	RIKEN cDNA I830012O16 gene
A_55_P1984881	3.55E-06	5.42	**1700024P16Rik**	RIKEN cDNA 1700024P16 gene
A_55_P2082806	2.72E-07	5.42	**Trib1**	tribbles homolog 1 (Drosophila)
A_55_P2011084	4.23E-06	5.41		
A_55_P2102936	2.67E-05	5.41	**Pnrc1**	proline-rich nuclear receptor coactivator 1
A_30_P01028471	9.79E-05	5.41		
A_30_P01031553	0.002640599	5.41		
A_52_P106259	0.000113271	5.41	**Egfr**	epidermal growth factor receptor
A_51_P195506	5.07E-06	5.40	**Csf1**	colony stimulating factor 1 (macrophage)
A_52_P573552	3.30E-07	5.40	**Trib1**	tribbles homolog 1 (Drosophila)
A_55_P2154252	5.72E-05	5.40	**Gfpt2**	glutamine fructose-6-phosphate transaminase 2
A_30_P01027537	7.31E-06	5.39		
A_66_P109986	0.002878345	5.39	**Cd33**	CD33 antigen
A_52_P363216	2.62E-07	5.39	**Gcnt2**	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme
A_51_P407193	5.08E-06	5.39	**Clp1**	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. cerevisiae)
A_51_P271439	1.33E-08	5.39	**Fam59a**	family with sequence similarity 59, member A
A_55_P2029746	1.88E-05	5.39		
A_52_P548202	8.46E-05	5.38	**Gm10030**	predicted gene 10030
A_55_P2087622	0.00050457	5.38	**Il4i1**	interleukin 4 induced 1
A_51_P195506	1.28E-05	5.37	**Csf1**	colony stimulating factor 1 (macrophage)
A_51_P195506	9.97E-06	5.36	**Csf1**	colony stimulating factor 1 (macrophage)
A_51_P351015	4.20E-08	5.35	**Lta**	lymphotoxin A
A_55_P1995135	1.63E-07	5.34	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_55_P2041738	1.79E-06	5.34	**Il15ra**	interleukin 15 receptor, alpha chain
A_30_P01022335	3.05E-09	5.33		
A_55_P1958480	6.60E-05	5.33	**LOC545005**	hypothetical protein LOC545005
A_30_P01024706	2.17E-09	5.33		
A_51_P484880	0.001080212	5.33	**Bcl2l11**	BCL2-like 11 (apoptosis facilitator)
A_55_P2087628	1.36E-07	5.32	**LOC640793**	schlafen family member 13-like
A_55_P2149011	0.001321643	5.32	**Hif1a**	hypoxia inducible factor 1, alpha subunit
A_55_P2122075	4.07E-05	5.32	**Pdcd1lg2**	programmed cell death 1 ligand 2
A_51_P195506	1.02E-05	5.32	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2092909	0.000134625	5.30	**Rassf1**	Ras association (RalGDS/AF-6) domain family member 1
A_51_P275454	5.61E-05	5.29	**Trim30a**	tripartite motif-containing 30A
A_51_P351015	7.37E-06	5.29	**Lta**	lymphotoxin A
A_30_P01024238	2.69E-05	5.28		
A_51_P195506	1.68E-05	5.28	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2097259	1.56E-09	5.28		
A_52_P559919	6.42E-06	5.28	**Eif2ak2**	eukaryotic translation initiation factor 2-alpha kinase 2
A_55_P2116689	1.69E-05	5.28	**1700024P16Rik**	RIKEN cDNA 1700024P16 gene
A_30_P01018298	5.40E-05	5.27		
A_51_P195506	9.23E-07	5.26	**Csf1**	colony stimulating factor 1 (macrophage)
A_52_P616332	1.75E-05	5.25	**Atp10d**	ATPase, class V, type 10D
A_55_P2177073	0.000773812	5.25		
A_51_P170807	0.002516488	5.23	**Map3k6**	mitogen-activated protein kinase kinase kinase 6
A_30_P01025287	0.000202414	5.22		
A_55_P2120169	0.000123219	5.21		
A_30_P01024377	0.001792389	5.21		
A_51_P417074	4.20E-06	5.21	**Arhgap8**	Rho GTPase activating protein 8
A_55_P2100194	2.43E-05	5.20		
A_55_P2183587	3.52E-05	5.20	**Gli1**	GLI-Kruppel family member GLI1
A_55_P2111790	1.25E-07	5.18	**Gem**	GTP binding protein (gene overexpressed in skeletal muscle)
A_55_P2140212	8.31E-05	5.18		
A_30_P01020988	0.000168259	5.17		
A_55_P2032815	7.45E-07	5.17	**Rnase13**	ribonuclease, RNase A family, 13 (non-active)
A_55_P2149896	0.000147077	5.16	**BC046404**	cDNA sequence BC046404
A_30_P01030607	0.001779996	5.16		
A_55_P2017115	0.000294311	5.16		
A_30_P01019195	0.001154325	5.16		
A_30_P01024163	6.38E-05	5.16		
A_51_P319460	2.86E-05	5.15	**Osmr**	oncostatin M receptor
A_55_P2173892	0.000376857	5.15	**Isg20**	interferon-stimulated protein
A_55_P2186080	0.000582183	5.13		
A_55_P2172022	1.26E-08	5.12	**B4galt1**	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1
A_30_P01027214	3.00E-06	5.12		
A_55_P2165869	1.08E-07	5.12	**Cebpb**	CCAAT/enhancer binding protein (C/EBP), beta
A_66_P120603	2.34E-06	5.12	**Trps1**	trichorhinophalangeal syndrome I (human)
A_55_P2137611	9.43E-07	5.12	**Irgm2**	immunity-related GTPase family M member 2
A_55_P1990629	4.93E-06	5.11		
A_52_P654703	6.97E-05	5.10	**Trim69**	tripartite motif-containing 69
A_55_P2107785	0.00014868	5.09		
A_55_P2025595	7.20E-05	5.09	**Gcnt2**	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme
A_30_P01018532	0.000429258	5.09		
A_51_P513244	4.54E-06	5.08	**Zfp949**	zinc finger protein 949
A_51_P382152	0.001868158	5.07	**Procr**	protein C receptor, endothelial
A_55_P1978136	6.56E-08	5.04	**Tnip2**	TNFAIP3 interacting protein 2
A_55_P2019690	0.000133112	5.04	**Slc43a1**	solute carrier family 43, member 1
A_30_P01017601	0.004065184	5.02		
A_51_P454008	6.22E-06	5.02	**Lbp**	lipopolysaccharide binding protein

A_55_P2063736	0.003096325	5.02	**Gp49a**	glycoprotein 49 A
A_52_P226348	0.001806402	5.02		
A_55_P2173210	0.000256666	5.02		
A_30_P01021725	0.000457404	5.01		
A_55_P2056973	9.26E-06	5.01	**Treml2**	triggering receptor expressed on myeloid cells-like 2
A_55_P1960916	0.00014202	5.00	**Egln3**	EGL nine homolog 3 (C. elegans)
A_66_P117933	0.000410581	4.99	**I830012O16Rik**	RIKEN cDNA I830012O16 gene
A_30_P01031069	7.27E-05	4.98		
A_30_P01030818	1.06E-07	4.98		
A_30_P01030594	6.63E-06	4.98		
A_66_P132515	2.37E-05	4.98	**Chmp4c**	chromatin modifying protein 4C
A_30_P01023693	3.35E-05	4.97		
A_51_P501364	1.23E-05	4.97	**Tbx21**	T-box 21
A_30_P01033097	0.000140977	4.97		
A_51_P142989	3.20E-08	4.96	**Zfp429**	zinc finger protein 429
A_30_P01018494	8.69E-05	4.96		
A_30_P01033434	3.10E-06	4.95		
A_55_P2028015	5.09E-09	4.94	**Pawr**	PRKC, apoptosis, WT1, regulator
A_30_P01032106	0.000256319	4.94		
A_51_P412835	5.04E-06	4.94	**Daxx**	Fas death domain-associated protein
A_55_P1971729	4.22E-08	4.93	**Cr2**	complement receptor 2
A_30_P01032129	0.004305505	4.92		
A_66_P125734	1.31E-06	4.92	**Tnip2**	TNFAIP3 interacting protein 2
A_30_P01031653	2.95E-05	4.92		
A_55_P2095754	3.24E-05	4.91	**Mrgpra5**	MAS-related GPR, member A5
A_51_P286995	0.000101557	4.91	**3110001I22Rik**	RIKEN cDNA 3110001I22 gene
A_51_P427171	2.45E-06	4.89	**9030625A04Rik**	RIKEN cDNA 9030625A04 gene
A_30_P01021597	9.42E-05	4.88		
A_55_P2091846	9.25E-07	4.87	**Zcchc11**	zinc finger, CCHC domain containing 11
A_55_P2133195	4.86E-08	4.86	**Gm4951**	predicted gene 4951
A_51_P124254	3.92E-06	4.85	**Col4a1**	collagen, type IV, alpha 1
A_55_P2360501	3.37E-05	4.85	**D6Ertd131e**	DNA segment, Chr 6, ERATO Doi 131, expressed
A_51_P330369	4.29E-05	4.85	**Ssx2ip**	synovial sarcoma, X breakpoint 2 interacting protein
A_30_P01026217	1.23E-05	4.83		
A_51_P176365	0.00033672	4.83	**Gimap5**	GTPase, IMAP family member 5
A_30_P01032868	9.86E-05	4.83		
A_55_P2258832	0.00094449	4.82	**LOC100502767**	hypothetical LOC100502767
A_52_P186937	0.003400808	4.81	**Cmpk2**	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial
A_30_P01027083	0.000156793	4.81		
A_55_P2108077	0.000125715	4.81		
A_55_P2034784	6.85E-06	4.80	**9430008C03Rik**	RIKEN cDNA 9430008C03 gene
A_52_P306305	0.000100894	4.80	**Akap2**	A kinase (PRKA) anchor protein 2
A_30_P01030286	7.24E-05	4.79		
A_30_P01022432	0.00019851	4.79		
A_52_P217875	9.25E-05	4.78	**H3f3b**	H3 histone, family 3B
A_55_P2376547	0.000336486	4.78		
A_51_P105017	8.14E-05	4.77	**Rad52**	RAD52 homolog (S. cerevisiae)
A_51_P179461	3.34E-05	4.77	**Eid3**	EP300 interacting inhibitor of differentiation 3
A_30_P01019523	2.84E-05	4.75		
A_30_P01025137	0.001276113	4.74		
A_55_P2023037	0.00044888	4.74	**Gm4759**	GTPase, very large interferon inducible 1 pseudogene
A_55_P2170876	0.00016208	4.74	**Tcp10c**	t-complex protein 10c
A_51_P241457	0.001939029	4.74	**Lilrb4**	leukocyte immunoglobulin-like receptor, subfamily B, member 4
A_66_P139250	5.62E-05	4.74	**Kctd3**	potassium channel tetramerisation domain containing 3
A_52_P463977	2.40E-06	4.74	**Tmem140**	transmembrane protein 140
A_55_P2122564	7.62E-06	4.73	**Dcp2**	DCP2 decapping enzyme homolog (S. cerevisiae)
A_51_P105017	0.000104941	4.73	**Rad52**	RAD52 homolog (S. cerevisiae)
A_51_P346938	8.95E-05	4.73	**Lrg1**	leucine-rich alpha-2-glycoprotein 1
A_30_P01032921	0.000512714	4.72		
A_52_P387009	3.92E-05	4.70	**Egln3**	EGL nine homolog 3 (C. elegans)
A_51_P504833	1.13E-06	4.70	**Fam5b**	family with sequence similarity 5, member B
A_30_P01018472	0.002857093	4.69		
A_55_P2212733	0.001668455	4.68	**C80012**	expressed sequence C80012
A_51_P124254	4.51E-05	4.68	**Col4a1**	collagen, type IV, alpha 1
A_30_P01017499	5.49E-06	4.67		
A_55_P2159934	1.78E-07	4.67	**Rnf186**	ring finger protein 186
A_55_P2014337	1.68E-09	4.67	**Bach1**	BTB and CNC homology 1
A_51_P105017	0.000204123	4.66	**Rad52**	RAD52 homolog (S. cerevisiae)
A_55_P1985428	6.41E-07	4.66	**Atg16l2**	autophagy related 16 like 2 (S. cerevisiae)
A_55_P1962299	1.95E-06	4.65	**Hba-a2**	hemoglobin alpha, adult chain 2
A_66_P106060	2.52E-06	4.64	**Dtx3l**	deltex 3-like (Drosophila)
A_52_P323852	1.12E-07	4.63	**Tnfrsf22**	tumor necrosis factor receptor superfamily, member 22
A_55_P2086810	0.000588476	4.63	**Sp140**	Sp140 nuclear body protein
A_51_P185660	9.15E-08	4.63	**Ccl9**	chemokine (C-C motif) ligand 9
A_55_P2088720	2.21E-05	4.63		
A_55_P2179599	3.46E-05	4.63	**Gbp8**	guanylate-binding protein 8
A_55_P1975560	2.21E-05	4.63	**Ifi204**	interferon activated gene 204
A_51_P124254	2.64E-05	4.63	**Col4a1**	collagen, type IV, alpha 1
A_51_P387123	4.91E-05	4.63	**Oasl2**	2'-5' oligoadenylate synthetase-like 2
A_55_P2090557	0.000403487	4.62	**BC046404**	cDNA sequence BC046404
A_52_P117294	0.000573054	4.62		
A_30_P01028787	7.55E-05	4.61		
A_51_P458384	3.06E-07	4.61	**Slc38a2**	solute carrier family 38, member 2
A_52_P303891	0.003217021	4.61	**Nr1d2**	nuclear receptor subfamily 1, group D, member 2
A_51_P124254	2.92E-05	4.61	**Col4a1**	collagen, type IV, alpha 1
A_66_P128058	0.00052083	4.61	**Mtap7d2**	MAP7 domain containing 2
A_30_P01020703	9.03E-07	4.60		
A_55_P2179027	8.16E-06	4.59	**Gem**	GTP binding protein (gene overexpressed in skeletal muscle)
A_51_P249286	8.07E-05	4.58	**Rgs16**	regulator of G-protein signaling 16
A_65_P13459	8.83E-05	4.57	**Cd300lb**	CD300 antigen like family member B
A_51_P124254	1.37E-05	4.57	**Col4a1**	collagen, type IV, alpha 1
A_55_P2006983	1.40E-05	4.56	**Plec**	plectin
A_52_P458647	4.51E-05	4.55		
A_55_P2073313	0.000206157	4.55	**Unc79**	unc-79 homolog (C. elegans)
A_30_P01027929	0.000227202	4.55		
A_55_P2092262	3.48E-08	4.55	**Gm7694**	predicted gene 7694
A_51_P124254	1.74E-05	4.55	**Col4a1**	collagen, type IV, alpha 1
A_30_P01027837	7.33E-08	4.54		
A_55_P2035757	0.000424292	4.54	**Gm8884**	predicted gene 8884
A_55_P2255206	0.003945872	4.54	**A730021G18Rik**	RIKEN cDNA A730021G18 gene
A_51_P272553	5.54E-07	4.54	**Bhlhe40**	basic helix-loop-helix family, member e40
A_55_P2174541	3.36E-05	4.54	**Dtx3l**	deltex 3-like (Drosophila)
A_55_P2209273	0.001538756	4.53		
A_55_P1985815	0.000123767	4.53		
A_51_P124254	2.61E-05	4.52	**Col4a1**	collagen, type IV, alpha 1

A_55_P2163028	8.42E-06	4.52	**Ier2**	immediate early response 2
A_55_P2091831	0.00275671	4.51	**Krtap1-4**	keratin associated protein 1-4
A_51_P105017	7.44E-05	4.51	**Rad52**	RAD52 homolog (S. cerevisiae)
A_51_P105017	7.25E-05	4.50	**Rad52**	RAD52 homolog (S. cerevisiae)
A_66_P108462	0.002453622	4.49		
A_51_P369803	7.99E-08	4.49	**Psmb9**	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)
A_66_P137605	4.15E-07	4.49	**E330016A19Rik**	RIKEN cDNA E330016A19 gene
A_66_P112573	0.000300415	4.48	**Isg20**	interferon-stimulated protein
A_55_P1989733	9.43E-07	4.47	**Nfkbib**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
A_51_P124254	2.03E-05	4.47	**Col4a1**	collagen, type IV, alpha 1
A_55_P2154049	8.08E-07	4.47		
A_65_P03874	8.77E-08	4.45	**Nav2**	neuron navigator 2
A_55_P2101055	1.76E-05	4.45	**Alpk1**	alpha-kinase 1
A_51_P388737	2.70E-07	4.45	**Slc11a2**	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
A_55_P2082418	8.62E-08	4.44		
A_51_P124254	3.41E-05	4.44	**Col4a1**	collagen, type IV, alpha 1
A_55_P2037618	4.18E-05	4.44	**C130039O16Rik**	RIKEN cDNA C130039O16 gene
A_51_P472249	4.00E-10	4.44	**Slc7a7**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
A_55_P1962344	5.46E-06	4.43	**Trim21**	tripartite motif-containing 21
A_30_P01018665	0.003310853	4.43		
A_65_P17218	3.23E-06	4.43	**Mndal**	myeloid nuclear differentiation antigen like
A_51_P201480	0.000105452	4.43	**Stat3**	signal transducer and activator of transcription 3
A_51_P493857	3.57E-06	4.42	**Katna1**	katanin p60 (ATPase-containing) subunit A1
A_51_P448127	0.000105017	4.42	**2410004A20Rik**	RIKEN cDNA 2410004A20 gene
A_30_P01033540	2.64E-05	4.42		
A_55_P2023607	0.000627309	4.42		
A_55_P1953489	1.73E-06	4.41	**Lrrc8b**	leucine rich repeat containing 8 family, member B
A_30_P01021486	0.000118287	4.41		
A_55_P1993463	1.63E-07	4.41		
A_51_P202745	8.13E-06	4.41	**Zc3h13**	zinc finger CCCH type containing 13
A_55_P2094925	0.002344958	4.41	**Srgn**	serglycin
A_30_P01031526	3.63E-05	4.40		
A_51_P105017	5.51E-05	4.40	**Rad52**	RAD52 homolog (S. cerevisiae)
A_55_P2180969	0.001313933	4.40		
A_55_P2382105	0.000107417	4.39	**BC035044**	cDNA sequence BC035044
A_51_P105017	0.000202255	4.39	**Rad52**	RAD52 homolog (S. cerevisiae)
A_55_P2118794	0.003649327	4.38	**Otop2**	otopetrin 2
A_30_P01023797	6.60E-05	4.38		
A_51_P124254	2.88E-05	4.38	**Col4a1**	collagen, type IV, alpha 1
A_55_P2124976	0.003041268	4.36	**Grhl1**	grainyhead-like 1 (Drosophila)
A_52_P103391	7.06E-08	4.36	**B4galt1**	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1
A_51_P415126	4.61E-06	4.35	**Tgfa**	transforming growth factor alpha
A_51_P207988	9.97E-08	4.35	**Ptger4**	prostaglandin E receptor 4 (subtype EP4)
A_55_P2080151	2.88E-05	4.35	**Hspa2**	heat shock protein 2
A_30_P01017852	0.003685948	4.35		
A_55_P2059164	4.85E-07	4.35	**H3f3b**	H3 histone, family 3B
A_30_P01025945	5.99E-06	4.35		
A_51_P105017	0.000147242	4.34	**Rad52**	RAD52 homolog (S. cerevisiae)
A_51_P492893	7.64E-06	4.34	**Foxp4**	forkhead box P4
A_30_P01023436	4.62E-05	4.34		
A_52_P438919	0.000715996	4.33	**Olfr524**	olfactory receptor 524
A_51_P415126	5.68E-06	4.33	**Tgfa**	transforming growth factor alpha
A_52_P243102	2.06E-05	4.33	**Kctd3**	potassium channel tetramerisation domain containing 3
A_30_P01026275	2.87E-05	4.33		
A_55_P2007495	8.92E-06	4.31		
A_51_P201480	8.98E-05	4.31	**Stat3**	signal transducer and activator of transcription 3
A_55_P2050044	5.28E-07	4.31		
A_66_P123209	0.000141749	4.31	**Vmn1r56**	vomeronasal 1 receptor 56
A_30_P01032488	0.000804476	4.30		
A_30_P01020562	0.000743458	4.30		
A_51_P415126	6.22E-06	4.30	**Tgfa**	transforming growth factor alpha
A_51_P135340	1.55E-05	4.30	**Panx1**	pannexin 1
A_55_P2062921	0.00081911	4.30		
A_51_P233797	3.51E-08	4.30	**Adh7**	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
A_55_P2422164	0.000481212	4.30	**C130093G08Rik**	RIKEN cDNA C130093G08 gene
A_51_P201480	0.000279114	4.29	**Stat3**	signal transducer and activator of transcription 3
A_30_P01022711	0.001880222	4.29		
A_55_P2160761	9.57E-07	4.28	**Zcchc2**	zinc finger, CCHC domain containing 2
A_51_P335480	0.000188345	4.28	**1810055G02Rik**	RIKEN cDNA 1810055G02 gene
A_51_P105017	0.00025985	4.28	**Rad52**	RAD52 homolog (S. cerevisiae)
A_51_P270904	0.000115099	4.27	**9930023K05Rik**	RIKEN cDNA 9930023K05 gene
A_51_P262515	0.000166633	4.27	**Phf11**	PHD finger protein 11
A_55_P2141876	3.67E-05	4.27	**Ldha**	lactate dehydrogenase A
A_51_P201480	0.000319844	4.27	**Stat3**	signal transducer and activator of transcription 3
A_51_P201480	0.00012434	4.27	**Stat3**	signal transducer and activator of transcription 3
A_55_P2381821	0.001580259	4.26	**6430706H07Rik**	RIKEN cDNA 6430706H07 gene
A_51_P214423	0.002635731	4.26	**Tead1**	TEA domain family member 1
A_55_P2162807	7.94E-06	4.26	**Pla2g2e**	phospholipase A2, group IIE
A_30_P01029545	6.19E-07	4.26		
A_51_P201480	0.000138201	4.26	**Stat3**	signal transducer and activator of transcription 3
A_51_P279712	2.08E-06	4.25	**Rell1**	RELT-like 1
A_51_P201480	0.000147108	4.25	**Stat3**	signal transducer and activator of transcription 3
A_30_P01025270	1.29E-06	4.24		
A_51_P415126	7.10E-06	4.24	**Tgfa**	transforming growth factor alpha
A_55_P2102621	1.67E-05	4.24	**Eaf2**	ELL associated factor 2
A_55_P2117656	1.35E-05	4.23	**Slfn8**	schlafen 8
A_30_P01021884	0.000123265	4.23		
A_55_P2066578	7.96E-05	4.23	**Ifi204**	interferon activated gene 204
A_52_P512553	2.98E-07	4.23	**Atg16l2**	autophagy related 16 like 2 (S. cerevisiae)
A_30_P01024922	0.002966524	4.23		
A_51_P201480	0.000110916	4.23	**Stat3**	signal transducer and activator of transcription 3
A_51_P201480	0.000325048	4.23	**Stat3**	signal transducer and activator of transcription 3
A_51_P351015	2.61E-07	4.22	**Lta**	lymphotoxin A
A_51_P325281	4.53E-05	4.22		
A_52_P658122	4.18E-06	4.22	**Ets2**	E26 avian leukemia oncogene 2, 3' domain
A_51_P105017	2.23E-05	4.21	**Rad52**	RAD52 homolog (S. cerevisiae)
A_55_P1979330	0.000102504	4.21	**Dapp1**	dual adaptor for phosphotyrosine and 3-phosphoinositides 1
A_51_P208121	9.14E-05	4.21	**Klhl25**	kelch-like 25 (Drosophila)
A_51_P456826	0.003547822	4.21	**Slc19a3**	solute carrier family 19 (sodium/hydrogen exchanger), member 3
A_55_P2031167	0.00036956	4.20	**Efna1**	ephrin A1
A_51_P148037	0.002384154	4.20	**Sh3pxd2b**	SH3 and PX domains 2B
A_66_P120882	5.31E-07	4.20	**Nfkbib**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
A_30_P01026036	0.000337291	4.19		
A_55_P2005585	1.30E-05	4.19	**Trps1**	trichorhinophalangeal syndrome I (human)
A_51_P507242	0.000759996	4.19	**Fosl2**	fos-like antigen 2

A_55_P2054437	0.000665723	4.18	**Ttpal**	tocopherol (alpha) transfer protein-like
A_51_P513032	2.83E-05	4.18	**Trps1**	trichorhinophalangeal syndrome I (human)
A_55_P2062549	5.38E-07	4.18	**Gm6524**	katanin p60 (ATPase-containing) subunit A1 pseudogene
A_30_P01029582	8.11E-05	4.17		
A_55_P2018636	1.39E-05	4.17	**9530077C05Rik**	RIKEN cDNA 9530077C05 gene
A_55_P2423616	4.80E-05	4.17	**2900057C01Rik**	RIKEN cDNA 2900057C01 gene
A_51_P502152	2.79E-05	4.16	**Slc19a1**	solute carrier family 19 (sodium/hydrogen exchanger), member 1
A_30_P01021838	0.000228783	4.15		
A_55_P2009861	5.24E-06	4.15		
A_55_P2133248	9.18E-05	4.15	**Gm8995**	predicted gene 8995
A_55_P2169356	0.000720958	4.14		
A_30_P01025295	6.32E-06	4.14		
A_30_P01022139	0.000209476	4.14		
A_55_P2066240	3.26E-06	4.14	**Zufsp**	zinc finger with UFM1-specific peptidase domain
A_55_P2069995	1.00E-05	4.14		
A_55_P2148961	0.000622952	4.13		
A_55_P2105843	1.52E-06	4.13		
A_51_P286563	9.21E-05	4.13	**Gna13**	guanine nucleotide binding protein, alpha 13
A_52_P89683	2.14E-05	4.12		
A_51_P358462	0.000263876	4.12	**4930579J09Rik**	RIKEN cDNA 4930579J09 gene
A_55_P2166501	3.10E-05	4.12	**Cd44**	CD44 antigen
A_51_P440568	1.10E-05	4.12	**Stk19**	serine/threonine kinase 19
A_51_P267783	6.03E-05	4.11	**Il11**	interleukin 11
A_55_P2085955	0.000129921	4.11	**Dnajb11**	DnaJ (Hsp40) homolog, subfamily B, member 11
A_51_P153013	6.30E-07	4.11	**Gm16516**	predicted gene, Gm16516
A_30_P01021254	7.61E-05	4.11		
A_55_P2032695	5.86E-08	4.10	**Zcchc11**	zinc finger, CCHC domain containing 11
A_55_P2216976	1.58E-05	4.10	**D13Ertd608e**	DNA segment, Chr 13, ERATO Doi 608, expressed
A_55_P2012537	0.00114522	4.09	**Gm10847**	predicted gene 10847
A_51_P378903	0.001429502	4.09	**Olfr1260**	olfactory receptor 1260
A_51_P408946	4.16E-05	4.08	**Ccne1**	cyclin E1
A_55_P1991219	5.77E-08	4.08	**Stat3**	signal transducer and activator of transcription 3
A_65_P10399	4.69E-05	4.08	**Gna13**	guanine nucleotide binding protein, alpha 13
A_52_P52618	0.003910874	4.08	**Csf2rb**	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
A_55_P2138856	0.003078192	4.08		
A_55_P2120946	0.000116846	4.08	**Mefv**	Mediterranean fever
A_30_P01020873	1.20E-05	4.07		
A_52_P32353	0.000433187	4.07		
A_52_P343856	3.66E-08	4.07	**Creb3l2**	cAMP responsive element binding protein 3-like 2
A_51_P201480	0.000356367	4.07	**Stat3**	signal transducer and activator of transcription 3
A_52_P83913	5.28E-06	4.06	**Ssx2ip**	synovial sarcoma, X breakpoint 2 interacting protein
A_51_P295315	4.38E-06	4.06	**Ankrd2**	ankyrin repeat domain 2 (stretch responsive muscle)
A_51_P294643	8.40E-05	4.05	**Cdr2**	cerebellar degeneration-related 2
A_55_P1954718	1.25E-05	4.04	**Cyb561**	cytochrome b-561
A_66_P111660	2.53E-08	4.04	**Mt1**	metallothionein 1
A_30_P01027893	0.001813905	4.04		
A_55_P2051229	8.44E-07	4.03	**Gpr132**	G protein-coupled receptor 132
A_55_P1953788	1.08E-05	4.03	**Itk**	IL2-inducible T-cell kinase
A_55_P2037689	2.14E-06	4.03		
A_51_P208240	7.31E-06	4.03	**Tnfsf14**	tumor necrosis factor (ligand) superfamily, member 14
A_55_P2185900	2.58E-05	4.02	**Nrg4**	neuregulin 4
A_55_P2082529	2.04E-07	4.01	**Sav1**	salvador homolog 1 (Drosophila)
A_52_P616392	2.66E-06	4.00	**Sbno2**	strawberry notch homolog 2 (Drosophila)
A_30_P01024788	0.000828838	4.00		
A_55_P2114318	1.21E-05	3.99		
A_66_P113868	9.31E-09	3.99	**Cdh3**	cadherin 3
A_30_P01019529	0.000186426	3.98		
A_55_P2059154	2.54E-06	3.98	**Dtx3l**	deltex 3-like (Drosophila)
A_51_P447545	0.000138795	3.97	**Igfbp1**	insulin-like growth factor binding protein 1
A_55_P2030282	8.11E-05	3.97	**ENSMUSG00000068790**	predicted gene, ENSMUSG00000068790
A_30_P01025275	0.001473578	3.97		
A_30_P01018526	7.62E-06	3.97		
A_55_P2030080	9.69E-07	3.96	**Kdm6b**	KDM1 lysine (K)-specific demethylase 6B
A_51_P415126	6.78E-06	3.96	**Tgfa**	transforming growth factor alpha
A_52_P656714	6.15E-06	3.96	**Map3k5**	mitogen-activated protein kinase kinase kinase 5
A_51_P508029	7.22E-08	3.96	**Pcyox1**	prenylcysteine oxidase 1
A_30_P01027508	1.37E-08	3.95		
A_30_P01027549	1.18E-05	3.95		
A_55_P2019009	1.32E-05	3.95	**Ncoa7**	nuclear receptor coactivator 7
A_51_P415126	4.41E-07	3.95	**Tgfa**	transforming growth factor alpha
A_55_P2014149	0.000347768	3.94		
A_55_P2099560	0.000768828	3.94	**Apobec1**	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1
A_55_P2161450	0.000117674	3.93	**Serpina3b**	serine (or cysteine) peptidase inhibitor, clade A, member 3B
A_51_P415126	1.58E-06	3.93	**Tgfa**	transforming growth factor alpha
A_51_P468020	8.99E-07	3.92	**Lrrc50**	leucine rich repeat containing 50
A_51_P415126	4.16E-06	3.92	**Tgfa**	transforming growth factor alpha
A_52_P241484	2.02E-06	3.92	**Rcl1**	RNA terminal phosphate cyclase-like 1
A_30_P01018521	9.71E-05	3.91		
A_55_P1973046	2.67E-05	3.91	**Cttnbp2nl**	CTTNBP2 N-terminal like
A_55_P2181634	2.74E-06	3.91		
A_55_P2171528	2.39E-06	3.91	**3110082I17Rik**	RIKEN cDNA 3110082I17 gene
A_51_P453736	0.000868502	3.90	**Apol11b**	apolipoprotein L 11b
A_55_P2059323	4.10E-06	3.90	**Gm13315**	lactate dehydrogenase A pseudogene
A_30_P01029590	0.001596193	3.90		
A_30_P01030868	0.003175068	3.89		
A_55_P2121275	3.99E-05	3.89	**Gm4907**	predicted gene 4907
A_51_P464064	1.38E-06	3.89	**Zc3h13**	zinc finger CCCH type containing 13
A_51_P411917	4.62E-07	3.89	**Gata6**	GATA binding protein 6
A_52_P625215	0.001864022	3.89	**Wfikkn2**	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2
A_52_P174775	7.21E-10	3.88	**Ripk1**	receptor (TNFRSF)-interacting serine-threonine kinase 1
A_30_P01021366	0.000478782	3.88		
A_51_P377171	0.001782858	3.88	**5830405N20Rik**	RIKEN cDNA 5830405N20 gene
A_51_P343833	3.97E-06	3.87	**Traf1**	TNF receptor-associated factor 1
A_55_P2031891	0.002153611	3.86		
A_51_P507622	0.001757526	3.86	**Itpkc**	inositol 1,4,5-trisphosphate 3-kinase C
A_52_P117352	0.000335559	3.86	**Gja4**	gap junction protein, alpha 4
A_55_P2013273	2.32E-05	3.86		
A_52_P1093529	0.002031248	3.85	**Pik3r5**	phosphoinositide-3-kinase, regulatory subunit 5, p101
A_30_P01024184	5.78E-05	3.84		
A_55_P2182740	4.10E-07	3.84	**2310047D07Rik**	RIKEN cDNA 2310047D07 gene
A_55_P1996973	0.000604295	3.83	**Gvin1**	GTPase, very large interferon inducible 1
A_52_P95910	1.04E-06	3.83	**Ugcg**	UDP-glucose ceramide glucosyltransferase
A_52_P93467	1.02E-08	3.83	**Sdc4**	syndecan 4
A_51_P132081	2.03E-08	3.83	**Rsl1**	regulator of sex limited protein 1
A_55_P1972582	0.000178611	3.83		

A_66_P135176	0.000291081	3.83	**Trak2**	trafficking protein, kinesin binding 2
A_52_P127925	0.000493832	3.82	**Tcfec**	transcription factor EC
A_52_P579640	1.05E-05	3.81	**Rrs1**	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)
A_51_P387235	8.26E-09	3.81	**Nampt**	nicotinamide phosphoribosyltransferase
A_55_P1955906	6.84E-06	3.81	**Stat1**	signal transducer and activator of transcription 1
A_52_P315423	0.000150294	3.80		
A_51_P377760	0.000653769	3.80	**Rnasel**	ribonuclease L (2', 5'-oligoisoadenylate synthetase-dependent)
A_52_P8922	3.17E-08	3.80	**Sntb2**	syntrophin, basic 2
A_52_P135873	0.000347771	3.79		
A_55_P1971093	1.07E-05	3.79		
A_51_P272563	5.92E-05	3.79	**Naa25**	N(alpha)-acetyltransferase 25, NatB auxiliary subunit
A_51_P436002	9.57E-06	3.78	**Hivep1**	human immunodeficiency virus type I enhancer binding protein 1
A_55_P2050602	9.92E-05	3.78	**Ncam1**	neural cell adhesion molecule 1
A_52_P535484	0.000704188	3.78	**Gvin1**	GTPase, very large interferon inducible 1
A_55_P1989653	0.000175047	3.78	**Slco4a1**	solute carrier organic anion transporter family, member 4a1
A_55_P1986228	4.22E-05	3.77		
A_52_P244193	6.40E-05	3.77	**Cd24a**	CD24a antigen
A_55_P1988202	6.88E-05	3.77	**Ifi203**	interferon activated gene 203
A_55_P2178808	3.42E-06	3.76	**Zbtb5**	zinc finger and BTB domain containing 5
A_51_P415126	2.91E-07	3.76	**Tgfa**	transforming growth factor alpha
A_55_P2242550	1.20E-05	3.76	**4930542D17Rik**	RIKEN cDNA 4930542D17 gene
A_30_P01018941	0.000441369	3.76		
A_52_P308875	0.000357169	3.75		
A_55_P2076273	6.13E-07	3.75		
A_30_P01021303	6.62E-05	3.75		
A_55_P2168781	1.78E-06	3.74		
A_51_P324228	4.76E-05	3.74	**Satb1**	special AT-rich sequence binding protein 1
A_52_P624107	6.81E-06	3.74	**Gm5039**	eukaryotic translation initiation factor 1A pseudogene
A_30_P01027310	0.001734334	3.74		
A_52_P494622	3.82E-08	3.74	**Nr4a2**	nuclear receptor subfamily 4, group A, member 2
A_52_P366525	0.00021594	3.74	**Coq10b**	coenzyme Q10 homolog B (S. cerevisiae)
A_55_P2118810	2.20E-05	3.74		
A_55_P2127139	9.83E-07	3.73	**Hist1h3d**	histone cluster 1, H3d
A_55_P1988010	0.000187328	3.73	**Gm10406**	predicted gene 10406
A_55_P2182452	0.000259057	3.73	**Tnfsf15**	tumor necrosis factor (ligand) superfamily, member 15
A_66_P128761	1.52E-05	3.73	**Pydc3**	pyrin domain containing 3
A_30_P01017895	0.00023366	3.73		
A_55_P1971076	4.87E-06	3.73	**Atp11a**	ATPase, class VI, type 11A
A_55_P2009857	5.57E-05	3.73		
A_30_P01025420	2.09E-08	3.72		
A_55_P1955279	5.66E-05	3.72	**Specc1**	sperm antigen with calponin homology and coiled-coil domains 1
A_30_P01026400	0.000495018	3.72		
A_55_P2180949	0.000296902	3.72		
A_30_P01020958	0.001463351	3.72		
A_30_P01028201	1.16E-05	3.71		
A_30_P01030084	8.96E-05	3.70		
A_52_P193301	9.45E-06	3.70	**Chmp4c**	chromatin modifying protein 4C
A_51_P346453	7.34E-06	3.70	**Noc4l**	nucleolar complex associated 4 homolog (S. cerevisiae)
A_51_P252859	8.76E-05	3.70	**Cyr61**	cysteine rich protein 61
A_55_P2147310	3.17E-07	3.70	**Mkl1**	MKL (megakaryoblastic leukemia)/myocardin-like 1
A_55_P2135526	0.000419168	3.70	**Gzmc**	granzyme C
A_55_P2026688	2.03E-08	3.70		
A_30_P01033093	2.51E-06	3.69		
A_30_P01018687	4.03E-07	3.69		
A_66_P106113	0.000311814	3.69	**Rhoj**	ras homolog gene family, member J
A_51_P105380	0.003715997	3.69	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2214348	0.000375016	3.69	**4930469K13Rik**	RIKEN cDNA 4930469K13 gene
A_51_P377376	8.70E-08	3.69	**Gnl3**	guanine nucleotide binding protein-like 3 (nucleolar)
A_30_P01021698	0.00144555	3.69		
A_55_P2037812	1.77E-08	3.68	**Palmd**	palmdelphin
A_30_P01027289	0.000254588	3.68		
A_55_P1997061	8.66E-05	3.68		
A_52_P1020860	1.14E-09	3.68	**AW112010**	expressed sequence AW112010
A_55_P2020538	0.000137516	3.67		
A_55_P2249556	1.33E-05	3.67	**A630081D01Rik**	RIKEN cDNA A630081D01 gene
A_30_P01031029	2.58E-05	3.67		
A_52_P214630	6.71E-05	3.67	**Sox9**	SRY-box containing gene 9
A_51_P505795	6.31E-06	3.67	**Tapbpl**	TAP binding protein-like
A_55_P2399688	0.000764953	3.66	**Glipr2**	GLI pathogenesis-related 2
A_55_P2076757	5.13E-07	3.66	**Znfx1**	zinc finger, NFX1-type containing 1
A_30_P01027623	0.001250743	3.66		
A_55_P2126444	1.27E-05	3.66	**1810032O08Rik**	RIKEN cDNA 1810032O08 gene
A_30_P01027087	0.000592243	3.66		
A_55_P1991812	2.17E-05	3.66	**Gm5431**	predicted gene 5431
A_51_P312121	1.69E-07	3.65	**Xdh**	xanthine dehydrogenase
A_52_P214630	0.00031678	3.65	**Sox9**	SRY-box containing gene 9
A_51_P148744	0.001825657	3.64	**A930005I04Rik**	RIKEN cDNA A930005I04 gene
A_52_P471395	9.65E-07	3.64	**Ifngr2**	interferon gamma receptor 2
A_51_P415126	1.43E-06	3.64	**Tgfa**	transforming growth factor alpha
A_52_P532029	4.26E-08	3.64	**Tbk1**	TANK-binding kinase 1
A_51_P378856	0.000138967	3.62	**Pfkp**	phosphofructokinase, platelet
A_51_P239654	4.06E-05	3.62	**Nr4a1**	nuclear receptor subfamily 4, group A, member 1
A_52_P467449	0.000127996	3.62	**Alox12**	arachidonate 12-lipoxygenase
A_55_P2015605	2.38E-06	3.62	**Foxp4**	forkhead box P4
A_55_P2010152	6.66E-05	3.61	**Sell**	selectin, lymphocyte
A_30_P01020222	0.000288364	3.61		
A_55_P1969341	3.11E-07	3.61	**Brip1**	BRCA1 interacting protein C-terminal helicase 1
A_55_P1971458	1.52E-05	3.61	**Jak2**	Janus kinase 2
A_55_P2251121	7.63E-06	3.61	**B230214O09Rik**	RIKEN cDNA B230214O09 gene
A_30_P01028927	0.002215766	3.61		
A_30_P01031203	0.000976547	3.61		
A_55_P2157093	0.000732528	3.61	**Bcl2l14**	BCL2-like 14 (apoptosis facilitator)
A_66_P102260	0.000170419	3.60	**Irs2**	insulin receptor substrate 2
A_30_P01021814	1.00E-05	3.60		
A_66_P129800	2.16E-05	3.60	**Rab8b**	RAB8B, member RAS oncogene family
A_55_P2156293	2.48E-08	3.59	**Pcyox1**	prenylcysteine oxidase 1
A_55_P2083059	8.37E-08	3.59	**Hps1**	Hermansky-Pudlak syndrome 1 homolog (human)
A_55_P2101441	0.000142289	3.59	**Gpbar1**	G protein-coupled bile acid receptor 1
A_55_P2097111	4.77E-05	3.59	**Ptpn1**	protein tyrosine phosphatase, non-receptor type 1
A_51_P137419	3.25E-05	3.59	**Cst7**	cystatin F (leukocystatin)
A_55_P2132697	0.000112501	3.59		
A_30_P01030785	0.000393933	3.58		
A_55_P2146577	0.000162757	3.58	**Gm13570**	predicted gene 13570
A_55_P2004007	0.000694388	3.58		
A_51_P105380	0.002006033	3.57	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene

A_30_P01024370	0.001015116	3.57		
A_51_P175580	3.14E-05	3.56	**Trp53inp1**	transformation related protein 53 inducible nuclear protein 1
A_51_P388847	5.01E-06	3.56	**Stap2**	signal transducing adaptor family member 2
A_51_P380178	0.000484493	3.56	**Id3**	inhibitor of DNA binding 3
A_55_P2130970	4.93E-06	3.56	**Parp10**	poly (ADP-ribose) polymerase family, member 10
A_52_P214630	9.40E-05	3.56	**Sox9**	SRY-box containing gene 9
A_52_P364130	6.91E-06	3.56	**Map3k14**	mitogen-activated protein kinase kinase kinase 14
A_52_P380369	0.000105558	3.56	**D14Ertd668e**	DNA segment, Chr 14, ERATO Doi 668, expressed
A_55_P2167776	1.58E-05	3.56	**Peci**	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase
A_55_P2093665	0.000217624	3.56		
A_55_P2147791	2.01E-05	3.55	**Fam129c**	family with sequence similarity 129, member C
A_55_P2071970	1.09E-07	3.55	**Nav2**	neuron navigator 2
A_55_P2089488	0.001597689	3.55	**Coq10b**	coenzyme Q10 homolog B (S. cerevisiae)
A_55_P2045136	0.000150086	3.55	**I830127L07Rik**	RIKEN cDNA I830127L07 gene
A_30_P01026233	2.70E-05	3.55		
A_52_P183181	2.09E-10	3.55	**Adar**	adenosine deaminase, RNA-specific
A_51_P409988	0.000412575	3.54	**Arl13b**	ADP-ribosylation factor-like 13B
A_30_P01026592	0.000125292	3.54		
A_55_P2082974	8.72E-08	3.53	**Irak2**	interleukin-1 receptor-associated kinase 2
A_55_P2141878	0.000144958	3.53	**Ldha**	lactate dehydrogenase A
A_55_P1955998	1.13E-07	3.53	**Nlrp1a**	NLR family, pyrin domain containing 1A
A_55_P1965655	2.62E-11	3.53	**Mtmr14**	myotubularin related protein 14
A_51_P488196	0.000305273	3.53	**Bmper**	BMP-binding endothelial regulator
A_55_P2347384	3.44E-05	3.53	**D430040L24Rik**	RIKEN cDNA D430040L24 gene
A_52_P214630	0.000422402	3.52	**Sox9**	SRY-box containing gene 9
A_52_P214630	4.96E-05	3.51	**Sox9**	SRY-box containing gene 9
A_55_P2094945	0.003692651	3.51		
A_55_P2341890	0.000239326	3.51	**4921511C10Rik**	RIKEN cDNA 4921511C10 gene
A_30_P01029428	0.000116004	3.51		
A_55_P2010038	0.000396512	3.51	**Tnfsf9**	tumor necrosis factor (ligand) superfamily, member 9
A_55_P1996837	8.35E-07	3.51	**Baz2b**	bromodomain adjacent to zinc finger domain, 2B
A_30_P01018462	1.82E-05	3.50		
A_30_P01025839	0.000149086	3.50		
A_30_P01024472	0.000760504	3.50		
A_55_P2245422	0.000100375	3.50	**D11Wsu173e**	DNA segment, Chr 11, Wayne State University 173, expressed
A_55_P1971074	1.19E-08	3.50	**Atp11a**	ATPase, class VI, type 11A
A_55_P2122195	0.001384987	3.49	**Kcnk9**	potassium channel, subfamily K, member 9
A_55_P2000833	0.004267521	3.49	**E2f8**	E2F transcription factor 8
A_30_P01023379	0.001170683	3.47		
A_55_P2149083	0.00237113	3.47	**Fpr-rs6**	formyl peptide receptor, related sequence 6
A_55_P2162204	6.41E-05	3.47	**Kctd15**	potassium channel tetramerisation domain containing 15
A_51_P364485	4.73E-06	3.47	**Tnfaip2**	tumor necrosis factor, alpha-induced protein 2
A_55_P1963144	3.87E-10	3.46	**Mtmr14**	myotubularin related protein 14
A_30_P01023350	0.000264495	3.46		
A_55_P2126448	1.11E-06	3.46	**1810032O08Rik**	RIKEN cDNA 1810032O08 gene
A_52_P281659	0.000486274	3.45		
A_55_P2038303	1.34E-07	3.45		
A_30_P01023799	9.82E-07	3.45		
A_55_P2098697	1.51E-05	3.45	**Tnfaip2**	tumor necrosis factor, alpha-induced protein 2
A_52_P46085	2.39E-05	3.45	**Mvp**	major vault protein
A_55_P1957213	0.000151122	3.45	**3930401B19Rik**	RIKEN cDNA 3930401B19 gene
A_55_P2149921	0.002683004	3.45		
A_30_P01019537	0.000150563	3.45		
A_55_P1991960	0.001014319	3.45	**Nwd1**	NACHT and WD repeat domain containing 1
A_51_P500949	2.14E-05	3.44	**Aff1**	AF4/FMR2 family, member 1
A_52_P431615	0.000217554	3.44	**Gm1966**	predicted gene 1966
A_55_P1987805	0.000777068	3.44	**Rps6ka5**	ribosomal protein S6 kinase, polypeptide 5
A_51_P276149	0.000203465	3.43	**Olfr1030**	olfactory receptor 1030
A_30_P01020436	0.00015886	3.43		
A_52_P371949	8.09E-05	3.43	**Eif6**	eukaryotic translation initiation factor 6
A_55_P1960748	0.000264677	3.43	**Arl13b**	ADP-ribosylation factor-like 13B
A_51_P311958	1.01E-05	3.43	**Orm3**	orosomucoid 3
A_51_P486239	0.000173197	3.42	**Clec3b**	C-type lectin domain family 3, member b
A_55_P2089233	0.00023886	3.42	**Pou2af1**	POU domain, class 2, associating factor 1
A_55_P1978866	1.10E-06	3.42		
A_55_P1961730	0.003148484	3.42	**Kcnt2**	potassium channel, subfamily T, member 2
A_30_P01026866	3.40E-05	3.41		
A_55_P2093749	8.12E-05	3.41		
A_30_P01030574	1.95E-06	3.41		
A_51_P283708	4.28E-06	3.41	**Msh2**	mutS homolog 2 (E. coli)
A_30_P01026073	1.59E-06	3.40		
A_55_P1954724	0.000220818	3.40	**A130040M12Rik**	RIKEN cDNA A130040M12 gene
A_52_P214630	9.64E-05	3.40	**Sox9**	SRY-box containing gene 9
A_55_P2081105	0.000149882	3.40	**AI607873**	expressed sequence AI607873
A_55_P2404733	0.000131759	3.39	**LOC552909**	hypothetical LOC552909
A_52_P214630	0.000127784	3.39	**Sox9**	SRY-box containing gene 9
A_51_P282508	0.000243272	3.39	**Rhoc**	ras homolog gene family, member C
A_65_P16208	2.39E-06	3.39	**Baz1a**	bromodomain adjacent to zinc finger domain 1A
A_66_P123989	6.82E-07	3.39	**Ikzf5**	IKAROS family zinc finger 5
A_51_P152990	6.55E-05	3.39	**Grem2**	gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis)
A_30_P01026520	2.55E-05	3.38		
A_30_P01033300	0.000491281	3.38		
A_55_P2142863	1.79E-09	3.37	**Parp9**	poly (ADP-ribose) polymerase family, member 9
A_52_P214630	0.001104497	3.37	**Sox9**	SRY-box containing gene 9
A_55_P2014853	0.00021836	3.37		
A_30_P01028695	3.40E-05	3.37		
A_55_P2035315	0.000200329	3.37	**Rasgef1b**	RasGEF domain family, member 1B
A_52_P214630	0.000189942	3.36	**Sox9**	SRY-box containing gene 9
A_30_P01024586	0.002244281	3.36		
A_52_P516021	3.36E-05	3.36	**Ptpn1**	protein tyrosine phosphatase, non-receptor type 1
A_30_P01027032	0.002884008	3.36		
A_30_P01029470	9.66E-06	3.35		
A_30_P01017507	0.000105297	3.35		
A_55_P1960936	8.59E-06	3.35		
A_51_P220135	6.46E-07	3.35	**Nfatc1**	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
A_30_P01021447	0.000244917	3.35		
A_30_P01032012	5.74E-05	3.35		
A_52_P214630	0.000145082	3.34	**Sox9**	SRY-box containing gene 9
A_52_P321140	8.13E-05	3.34	**Defb1**	defensin beta 1
A_55_P2001489	0.000410275	3.34	**Il19**	interleukin 19
A_55_P1954092	7.36E-06	3.33	**LOC100503637**	envelope glycoprotein-like
A_51_P267239	1.45E-07	3.33	**Litaf**	LPS-induced TN factor
A_55_P2045622	6.03E-06	3.33	**Setdb2**	SET domain, bifurcated 2
A_55_P1964628	9.97E-06	3.33		
A_52_P5567	0.000309281	3.33	**Fam50b**	family with sequence similarity 50, member B

A_55_P1988009	1.36E-05	3.33		
A_55_P1969650	0.000326216	3.33	**Rasgrp1**	RAS guanyl releasing protein 1
A_52_P468683	0.00363878	3.32	**6430571L13Rik**	RIKEN cDNA 6430571L13 gene
A_55_P2157914	2.17E-09	3.32		
A_30_P01031562	0.000851891	3.32		
A_55_P2142064	0.00151365	3.32	**Synj2**	synaptojanin 2
A_30_P01029783	1.56E-06	3.32		
A_55_P2359797	0.00213164	3.31	**Nod2**	nucleotide-binding oligomerization domain containing 2
A_30_P01026903	6.98E-05	3.31		
A_52_P570266	1.72E-07	3.31	**Psmb10**	proteasome (prosome, macropain) subunit, beta type 10
A_52_P398989	8.12E-05	3.30	**Cytip**	cytohesin 1 interacting protein
A_55_P2116621	9.53E-05	3.30	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_55_P2180944	5.74E-06	3.30	**Tmco4**	transmembrane and coiled-coil domains 4
A_30_P01026627	2.16E-06	3.30		
A_51_P183630	3.40E-07	3.30	**Bcor**	BCL6 interacting corepressor
A_51_P517870	7.35E-05	3.29	**Nfatc1**	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
A_30_P01023853	0.000497079	3.29		
A_30_P01024929	2.30E-07	3.29		
A_30_P01022938	0.001684436	3.29		
A_30_P01021222	2.98E-05	3.29		
A_30_P01028633	0.000127888	3.28		
A_55_P2027259	3.06E-07	3.28	**Zcchc2**	zinc finger, CCHC domain containing 2
A_30_P01027969	0.000405621	3.28		
A_55_P2086433	3.45E-05	3.28	**Oasl1**	2'-5' oligoadenylate synthetase-like 1
A_51_P128463	8.43E-05	3.27	**Grrp1**	glycine/arginine rich protein 1
A_30_P01021751	1.95E-05	3.27		
A_30_P01027202	0.000412695	3.27		
A_55_P2011286	0.000200286	3.27	**Hopx**	HOP homeobox
A_52_P457567	0.001436831	3.27	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_52_P557293	4.76E-06	3.26	**Tmprss2**	transmembrane protease, serine 2
A_51_P234113	5.09E-05	3.26	**Nod1**	nucleotide-binding oligomerization domain containing 1
A_51_P233160	0.003457016	3.26	**Lysmd2**	LysM, putative peptidoglycan-binding, domain containing 2
A_30_P01033413	0.001283805	3.26		
A_55_P2100620	0.000162398	3.25	**Gm12216**	predicted gene 12216
A_55_P2023314	0.001794451	3.25	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_30_P01023635	0.000550101	3.25		
A_52_P463962	0.00079591	3.25	**Krtap16-10**	keratin associated protein 16-10
A_30_P01019255	5.12E-05	3.24		
A_55_P2138306	5.54E-05	3.24		
A_55_P2272748	0.000509632	3.24	**AI645535**	expressed sequence AI645535
A_55_P2019841	0.001505476	3.24		
A_30_P01020672	0.002025055	3.24		
A_55_P2244112	0.000753353	3.24	**Amotl1**	angiomotin-like 1
A_55_P2064652	0.000118491	3.23	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_55_P2036627	0.000113988	3.23	**Pydc3**	pyrin domain containing 3
A_30_P01025047	0.000234631	3.23		
A_55_P1956588	0.000101348	3.23		
A_30_P01023451	0.000909222	3.23		
A_52_P15461	0.000750087	3.23	**Il15**	interleukin 15
A_55_P2090045	2.16E-06	3.23		
A_51_P225592	7.10E-06	3.22	**Tpm4**	tropomyosin 4
A_55_P2025490	0.000598263	3.22	**Tnfrsf18**	tumor necrosis factor receptor superfamily, member 18
A_30_P01022068	0.000875166	3.22		
A_55_P2141241	9.67E-09	3.22	**E330016A19Rik**	RIKEN cDNA E330016A19 gene
A_55_P2028159	0.000302015	3.22	**3110043O21Rik**	RIKEN cDNA 3110043O21 gene
A_55_P2140751	8.05E-05	3.22		
A_66_P113749	0.001552521	3.22	**Il2rg**	interleukin 2 receptor, gamma chain
A_55_P2017377	1.05E-05	3.21	**Olfr424**	olfactory receptor 424
A_52_P640386	8.82E-07	3.21	**Usp53**	ubiquitin specific peptidase 53
A_55_P2114994	7.00E-05	3.21		
A_51_P419656	0.001559396	3.21	**Klk1b27**	kallikrein 1-related peptidase b27
A_30_P01028842	0.000291494	3.21		
A_30_P01024494	2.46E-05	3.20		
A_55_P2034227	0.000322127	3.20		
A_55_P2042823	1.24E-08	3.20	**Sh3bp2**	SH3-domain binding protein 2
A_30_P01018558	5.05E-05	3.20		
A_55_P2071251	0.000186298	3.20	**D030016E14Rik**	RIKEN cDNA D030016E14 gene
A_65_P14951	5.89E-07	3.20	**Cblb**	Casitas B-lineage lymphoma b
A_55_P1990495	3.39E-06	3.19	**Stat5a**	signal transducer and activator of transcription 5A
A_55_P2127765	1.75E-06	3.19	**Crp**	C-reactive protein, pentraxin-related
A_30_P01023954	0.001119651	3.18		
A_51_P473576	0.000253894	3.18	**Apex1**	apurinic/apyrimidinic endonuclease 1
A_51_P139716	3.99E-05	3.17	**Fam26e**	family with sequence similarity 26, member E
A_30_P01017746	5.25E-05	3.17		
A_55_P2055168	9.43E-08	3.17	**Gm2016**	predicted gene 2016
A_55_P1952981	1.80E-06	3.17	**Rps6ka3**	ribosomal protein S6 kinase polypeptide 3
A_52_P248013	5.03E-06	3.17	**Chsy3**	chondroitin sulfate synthase 3
A_55_P1963920	0.0009301	3.17	**A430084P05Rik**	RIKEN cDNA A430084P05 gene
A_55_P2082203	3.10E-06	3.17	**Baz1a**	bromodomain adjacent to zinc finger domain 1A
A_52_P582261	9.60E-05	3.17	**Ikzf5**	IKAROS family zinc finger 5
A_30_P01023606	3.72E-07	3.17		
A_55_P2011341	2.76E-05	3.16		
A_30_P01024439	0.002523768	3.16		
A_55_P2106815	0.000279126	3.16		
A_55_P1973906	0.000368125	3.16	**Trp53inp1**	transformation related protein 53 inducible nuclear protein 1
A_55_P2147686	0.000387893	3.16	**Sectm1a**	secreted and transmembrane 1A
A_55_P2198648	0.000672734	3.16	**5830420C07Rik**	RIKEN cDNA 5830420C07 gene
A_52_P595824	0.000166415	3.15	**Cpeb4**	cytoplasmic polyadenylation element binding protein 4
A_51_P108901	1.69E-05	3.15	**Ccdc86**	coiled-coil domain containing 86
A_30_P01026079	3.76E-07	3.14		
A_51_P104820	6.17E-07	3.14	**Alkbh5**	alkB, alkylation repair homolog 5 (E. coli)
A_55_P1976351	0.000733417	3.14	**Gpcpd1**	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)
A_52_P138110	0.00050911	3.14	**1110032A03Rik**	RIKEN cDNA 1110032A03 gene
A_52_P512575	0.000134643	3.14	**Hopx**	HOP homeobox
A_55_P2114995	3.47E-05	3.14		
A_55_P2037613	4.19E-06	3.14	**C130039O16Rik**	RIKEN cDNA C130039O16 gene
A_52_P475854	0.00044824	3.13	**Nol10**	nucleolar protein 10
A_52_P546635	0.00031698	3.13	**Zeb1**	zinc finger E-box binding homeobox 1
A_30_P01032815	0.003735799	3.13		
A_55_P2000007	0.000605544	3.12		
A_30_P01024730	0.000126852	3.12		
A_55_P2094060	3.16E-05	3.12	**Gzma**	granzyme A
A_30_P01019072	0.001312469	3.12		
A_55_P2178064	1.26E-12	3.12		
A_55_P2010196	2.32E-06	3.12	**Serpina10**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10

A_55_P2098398	0.002060764	3.11	**Trim30c**	tripartite motif-containing 30C
A_55_P2079430	7.04E-06	3.11	**Spred1**	sprouty protein with EVH-1 domain 1, related sequence
A_51_P291361	0.001798359	3.11	**Osm**	oncostatin M
A_55_P2026738	3.93E-05	3.10	**Rgs4**	regulator of G-protein signaling 4
A_30_P01032176	8.08E-05	3.10		
A_55_P2019714	0.000808905	3.10	**Tagap1**	T-cell activation GTPase activating protein 1
A_51_P209930	3.82E-05	3.10	**Rtn2**	reticulon 2 (Z-band associated protein)
A_66_P121787	5.58E-07	3.10	**Samd9l**	sterile alpha motif domain containing 9-like
A_30_P01022806	0.0002618	3.10		
A_55_P1975640	1.26E-06	3.10	**Zfp217**	zinc finger protein 217
A_55_P2051322	2.40E-05	3.09	**Efhd2**	EF hand domain containing 2
A_55_P1994032	1.12E-06	3.09	**Xbp1**	X-box binding protein 1
A_52_P467389	0.002636139	3.09	**Slc15a3**	solute carrier family 15, member 3
A_55_P1953508	8.46E-06	3.08	**Mobkl2c**	MOB1, Mps One Binder kinase activator-like 2C (yeast)
A_30_P01030965	0.001915129	3.08		
A_51_P502150	1.15E-05	3.08	**Slc9a3r1**	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1
A_51_P201338	1.22E-06	3.07	**Mtss1**	metastasis suppressor 1
A_55_P1955502	6.43E-06	3.07	**BC016423**	cDNA sequence BC016423
A_55_P1955276	9.45E-06	3.07	**Specc1**	sperm antigen with calponin homology and coiled-coil domains 1
A_55_P1954161	0.000181635	3.07	**Plagl2**	pleiomorphic adenoma gene-like 2
A_52_P87964	0.001961875	3.07	**Pla2g12a**	phospholipase A2, group XIIA
A_55_P2025829	4.21E-05	3.07		
A_30_P01017723	0.000218271	3.07		
A_55_P2120577	0.000106813	3.05	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_66_P125823	0.00015852	3.05	**Nupl1**	nucleoporin like 1
A_55_P1980308	0.000141457	3.05	**Stap1**	signal transducing adaptor family member 1
A_30_P01018981	0.001191864	3.05		
A_52_P299053	6.33E-06	3.05	**Ptplb**	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b
A_30_P01022725	4.86E-05	3.05		
A_55_P2108165	2.05E-05	3.04	**Gm6907**	predicted gene 6907
A_55_P2042487	0.000190458	3.04	**Dpysl3**	dihydropyrimidinase-like 3
A_52_P665675	3.99E-10	3.04	**Abca1**	ATP-binding cassette, sub-family A (ABC1), member 1
A_55_P1994074	9.39E-06	3.04	**Mkl1**	MKL (megakaryoblastic leukemia)/myocardin-like 1
A_55_P2279140	0.00031685	3.04	**F830014O18Rik**	RIKEN cDNA F830014O18 gene
A_30_P01026728	0.00011867	3.03		
A_66_P112853	1.94E-07	3.03	**Eif1a**	eukaryotic translation initiation factor 1A
A_51_P520793	0.000147663	3.03		
A_51_P134812	0.00138888	3.03	**Chac1**	ChaC, cation transport regulator-like 1 (E. coli)
A_52_P104961	0.000192509	3.03		
A_52_P207509	0.000296824	3.03	**C230081A13Rik**	RIKEN cDNA C230081A13 gene
A_51_P513163	0.00040004	3.02	**Tra2a**	transformer 2 alpha homolog (Drosophila)
A_55_P2155504	5.75E-05	3.02	**Lck**	lymphocyte protein tyrosine kinase
A_51_P285916	5.37E-05	3.02	**Rapgef4**	Rap guanine nucleotide exchange factor (GEF) 4
A_30_P01033400	0.001053097	3.02		
A_55_P2104387	0.000306873	3.02		
A_52_P202029	1.10E-07	3.02	**Trak2**	trafficking protein, kinesin binding 2
A_30_P01023832	3.31E-05	3.02		
A_51_P128463	0.000152517	3.02	**Grrp1**	glycine/arginine rich protein 1
A_52_P332788	4.09E-05	3.02	**C130026I21Rik**	RIKEN cDNA C130026I21 gene
A_51_P505823	0.00026236	3.01	**Endod1**	endonuclease domain containing 1
A_55_P2184013	0.004298153	3.00	**C130026I21Rik**	RIKEN cDNA C130026I21 gene
A_55_P2014854	0.000466999	3.00		
A_51_P100289	2.94E-06	3.00	**Srf**	serum response factor
A_55_P2327518	7.28E-05	3.00	**1500032P08Rik**	RIKEN cDNA 1500032P08 gene
A_55_P2354336	5.66E-05	2.99	**F830223B06Rik**	RIKEN cDNA F830223B06 gene
A_30_P01021918	0.00026312	2.99		
A_55_P1997407	3.26E-06	2.99	**C130039O16Rik**	RIKEN cDNA C130039O16 gene
A_51_P268843	0.000610122	2.98	**Rasip1**	Ras interacting protein 1
A_55_P2137121	7.24E-07	2.98	**Sp140**	Sp140 nuclear body protein
A_30_P01032750	8.86E-05	2.98		
A_52_P72237	0.00026134	2.98	**Actg1**	actin, gamma, cytoplasmic 1
A_55_P2010197	4.63E-06	2.98	**Serpina10**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10
A_55_P2169888	0.000324719	2.98	**D8Ertd82e**	DNA segment, Chr 8, ERATO Doi 82, expressed
A_52_P404329	0.000211727	2.98	**Saa4**	serum amyloid A 4
A_55_P2001403	4.83E-05	2.97	**Gm5478**	predicted pseudogene 5478
A_55_P2088028	5.77E-07	2.97	**Mtss1**	metastasis suppressor 1
A_55_P2178803	2.23E-07	2.97	**Zbtb5**	zinc finger and BTB domain containing 5
A_51_P427530	0.00107857	2.97	**Pgm1**	phosphoglucomutase 1
A_55_P2015405	1.34E-05	2.97	**9930111J21Rik1**	RIKEN cDNA 9930111J21 gene 1
A_30_P01023681	7.51E-08	2.97		
A_30_P01023142	0.000157507	2.97		
A_51_P356283	1.30E-05	2.97	**Fbxo31**	F-box protein 31
A_30_P01027703	0.000273758	2.97		
A_55_P1957277	4.11E-07	2.97		
A_30_P01019630	2.66E-05	2.97		
A_52_P254298	2.39E-07	2.97	**Slc11a2**	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
A_51_P294555	0.002669056	2.96	**Ifitm6**	interferon induced transmembrane protein 6
A_52_P348250	2.30E-05	2.96	**Klhl29**	kelch-like 29 (Drosophila)
A_55_P2166049	0.000146799	2.96	**Vmn1r65**	vomeronasal 1 receptor 65
A_30_P01027281	1.07E-05	2.96		
A_55_P2088145	3.05E-05	2.96		
A_51_P513062	0.000344646	2.96	**B630019K06Rik**	RIKEN cDNA B630019K06 gene
A_55_P2066409	1.18E-06	2.96	**Gabpb1**	GA repeat binding protein, beta 1
A_55_P2263098	0.000197192	2.96	**A130078K24Rik**	RIKEN cDNA A130078K24 gene
A_55_P2004821	0.003932356	2.96	**Olfr1417**	olfactory receptor 1417
A_66_P120380	0.00055944	2.96	**Apol10b**	apolipoprotein L 10b
A_30_P01032083	9.24E-05	2.96		
A_55_P2131253	7.73E-05	2.96	**Shroom2**	shroom family member 2
A_55_P2099742	7.93E-05	2.95	**Ccl19**	chemokine (C-C motif) ligand 19
A_30_P01020286	0.000287477	2.95		
A_66_P118430	4.82E-05	2.95	**Slc17a2**	solute carrier family 17 (sodium phosphate), member 2
A_51_P477121	0.000656834	2.95	**Pmaip1**	phorbol-12-myristate-13-acetate-induced protein 1
A_55_P2124461	3.82E-05	2.95		
A_55_P2056808	0.00011108	2.95	**Tanc1**	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1
A_52_P283628	0.000564977	2.95	**Rps6ka3**	ribosomal protein S6 kinase polypeptide 3
A_51_P446469	0.001463473	2.95	**Dok2**	docking protein 2
A_30_P01022571	5.85E-05	2.95		
A_30_P01030340	0.000504752	2.95		
A_55_P2160543	7.14E-05	2.94	**Tcp10a**	t-complex protein 10a
A_55_P2073377	0.000117041	2.94	**Mki67**	antigen identified by monoclonal antibody Ki 67
A_55_P2037817	0.000107848	2.94	**Palmd**	palmdelphin
A_55_P2151601	1.79E-07	2.94	**Samd9l**	sterile alpha motif domain containing 9-like
A_55_P2038152	0.000750725	2.93	**Ankrd43**	ankyrin repeat domain 43
A_55_P2141938	1.14E-06	2.93	**1810058I24Rik**	RIKEN cDNA 1810058I24 gene
A_66_P128997	1.26E-09	2.93	**Pml**	promyelocytic leukemia

A_52_P574653	3.05E-07	2.93	**Bid**	BH3 interacting domain death agonist
A_30_P01032271	0.000134527	2.93		
A_30_P01029942	0.001260348	2.93		
A_55_P2060604	0.000592325	2.92	**Gm5797**	predicted gene 5797
A_66_P133255	0.000780702	2.92	**Prkch**	protein kinase C, eta
A_30_P01029652	0.000189534	2.92		
A_55_P2346736	0.000907502	2.92	**A430105D02Rik**	RIKEN cDNA A430105D02 gene
A_55_P1957762	1.55E-06	2.92	**Tsr1**	TSR1, 20S rRNA accumulation, homolog (yeast)
A_52_P451888	6.09E-06	2.92	**Tlk2**	tousled-like kinase 2 (Arabidopsis)
A_52_P522023	3.99E-06	2.92	**Alkbh1**	alkB, alkylation repair homolog 1 (E. coli)
A_55_P2030752	2.88E-08	2.91	**Nedd4l**	neural precursor cell expressed, developmentally down-regulated gene 4-like
A_55_P2023667	2.37E-06	2.91	**Apex2**	apurinic/apyrimidinic endonuclease 2
A_55_P2013391	1.25E-05	2.90	**Gm4402**	predicted gene 4402
A_30_P01026776	0.000224459	2.90		
A_30_P01022401	0.002080416	2.89		
A_30_P01017973	0.000226595	2.89		
A_55_P2114993	2.91E-05	2.89	**Actg1**	actin, gamma, cytoplasmic 1
A_51_P473498	4.96E-05	2.89	**Gpr171**	G protein-coupled receptor 171
A_30_P01019579	0.000390623	2.89		
A_52_P323975	0.000212024	2.88		
A_55_P2142425	5.83E-06	2.88	**LOC100502708**	hypothetical LOC100502708
A_55_P2129442	6.86E-06	2.88		
A_55_P2145922	0.000588911	2.88		
A_51_P105380	0.002803233	2.88	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2026734	3.91E-05	2.88	**Rgs4**	regulator of G-protein signaling 4
A_30_P01030969	1.38E-05	2.88		
A_51_P128463	8.54E-05	2.88	**Grrp1**	glycine/arginine rich protein 1
A_30_P01029869	5.75E-05	2.87		
A_51_P371174	2.13E-07	2.87	**Bag3**	BCL2-associated athanogene 3
A_55_P2051894	6.33E-07	2.87	**Zfp598**	zinc finger protein 598
A_51_P296448	5.95E-06	2.87	**Casp2**	caspase 2
A_55_P2064512	5.13E-05	2.87		
A_55_P1971373	0.001977966	2.86	**Nlrp12**	NLR family, pyrin domain containing 12
A_55_P2015941	0.000439937	2.86		
A_30_P01018074	0.002318	2.86		
A_51_P240614	0.003191625	2.86	**Tm4sf1**	transmembrane 4 superfamily member 1
A_55_P1968643	0.000892689	2.86	**Vmn1r173**	vomeronasal 1 receptor 173
A_51_P125986	3.25E-05	2.86	**Gan**	giant axonal neuropathy
A_51_P128463	0.000404969	2.86	**Grrp1**	glycine/arginine rich protein 1
A_55_P2149983	5.86E-07	2.86	**Foxp4**	forkhead box P4
A_55_P2023449	0.000805024	2.85	**Gm6337**	predicted gene 6337
A_30_P01025507	1.66E-06	2.85		
A_55_P2114153	0.000363081	2.85		
A_66_P122758	5.32E-07	2.85	**Tsr1**	TSR1, 20S rRNA accumulation, homolog (yeast)
A_55_P2095727	1.53E-05	2.85	**Pml**	promyelocytic leukemia
A_30_P01023168	0.000350968	2.84		
A_55_P2111649	7.58E-05	2.84	**Mbd1**	methyl-CpG binding domain protein 1
A_30_P01018204	0.000461935	2.84		
A_30_P01026785	0.000246282	2.84		
A_52_P490272	1.75E-05	2.84	**Nup98**	nucleoporin 98
A_30_P01019626	7.34E-06	2.84		
A_30_P01024414	2.56E-05	2.84		
A_30_P01024188	7.13E-07	2.84		
A_30_P01019611	0.001363015	2.83		
A_55_P1961265	7.16E-05	2.83	**LOC638517**	cyclic AMP-responsive element-binding protein 3-like protein 2-like
A_55_P1958547	0.00280919	2.83	**Gm7550**	predicted gene 7550
A_52_P25812	3.50E-07	2.83	**Prdm2**	PR domain containing 2, with ZNF domain
A_52_P502577	2.32E-08	2.83	**S1pr3**	sphingosine-1-phosphate receptor 3
A_30_P01031197	0.002623324	2.83		
A_55_P2142870	3.73E-06	2.83	**BC016423**	cDNA sequence BC016423
A_55_P2049582	2.47E-06	2.83	**Apbb3**	amyloid beta (A4) precursor protein-binding, family B, member 3
A_55_P2086811	6.31E-05	2.83	**Sp140**	Sp140 nuclear body protein
A_51_P275591	2.57E-05	2.83	**Zfp292**	zinc finger protein 292
A_30_P01022250	0.000254156	2.82		
A_55_P2122709	9.53E-07	2.82	**Arhgef3**	Rho guanine nucleotide exchange factor (GEF) 3
A_55_P2005605	6.22E-05	2.82	**Olfr576**	olfactory receptor 576
A_51_P191469	7.01E-09	2.81	**Rnf31**	ring finger protein 31
A_55_P2372228	5.00E-05	2.81	**A430104N18Rik**	RIKEN cDNA A430104N18 gene
A_55_P2075429	0.002271072	2.80	**Ttll4**	tubulin tyrosine ligase-like family, member 4
A_52_P3412	5.18E-07	2.80	**Med17**	mediator complex subunit 17
A_55_P2079860	0.00152758	2.80	**Asap3**	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3
A_51_P502054	2.63E-05	2.80	**Gtf2b**	general transcription factor IIB
A_30_P01023279	3.42E-05	2.80		
A_51_P340829	3.03E-05	2.80	**AA986860**	expressed sequence AA986860
A_55_P2300913	0.00148982	2.80	**D130095D21Rik**	RIKEN cDNA D130095D21 gene
A_51_P100991	0.00352144	2.80	**Gucy2c**	guanylate cyclase 2c
A_51_P275751	0.00013109	2.79	**D17H6S53E**	DNA segment, Chr 17, human D6S53E
A_51_P209527	5.39E-10	2.79	**Bcl10**	B-cell leukemia/lymphoma 10
A_55_P2180685	0.000724285	2.79	**Olfr649**	olfactory receptor 649
A_51_P172131	7.78E-06	2.79	**D4Bwg0951e**	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed
A_55_P2107972	6.55E-08	2.79	**Smad5**	MAD homolog 5 (Drosophila)
A_51_P440460	0.001018129	2.79	**Hip1r**	huntingtin interacting protein 1 related
A_30_P01030104	0.002974288	2.79		
A_51_P128463	0.000311686	2.79	**Grrp1**	glycine/arginine rich protein 1
A_51_P126437	0.003235769	2.79	**Enc1**	ectodermal-neural cortex 1
A_51_P316523	2.00E-06	2.78	**Irf2**	interferon regulatory factor 2
A_55_P2029116	0.002086795	2.78	**Pex11c**	peroxisomal biogenesis factor 11 gamma
A_51_P165060	0.003093756	2.78	**Slc22a5**	solute carrier family 22 (organic cation transporter), member 5
A_66_P109519	0.003154682	2.78	**Ehf**	ets homologous factor
A_30_P01031347	0.000697353	2.78		
A_55_P2035509	0.001232897	2.78	**Pyhin1**	pyrin and HIN domain family, member 1
A_52_P646979	8.72E-05	2.78	**D16Ertd472e**	DNA segment, Chr 16, ERATO Doi 472, expressed
A_55_P2129291	8.96E-05	2.78	**Dclre1c**	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)
A_55_P2116111	0.000389895	2.78	**D8Ertd82e**	DNA segment, Chr 8, ERATO Doi 82, expressed
A_52_P636830	9.61E-07	2.78	**G3bp2**	GTPase activating protein (SH3 domain) binding protein 2
A_30_P01027922	0.001265803	2.77		
A_51_P105380	0.001774744	2.77	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P126437	0.003700171	2.77	**Enc1**	ectodermal-neural cortex 1
A_55_P1983508	0.0032017	2.77	**Nr4a2**	nuclear receptor subfamily 4, group A, member 2
A_51_P126437	0.003510719	2.77	**Enc1**	ectodermal-neural cortex 1
A_30_P01028635	0.000100471	2.77		
A_30_P01018576	0.001678739	2.77		
A_52_P597461	0.000249488	2.76	**Skil**	SKI-like
A_55_P1970597	3.24E-05	2.76	**Actg1**	actin, gamma, cytoplasmic 1
A_51_P487690	2.74E-05	2.76	**Ifi44**	interferon-induced protein 44

A_55_P2335718	0.00138935	2.76		
A_51_P447668	1.24E-05	2.76	**Ptpn12**	protein tyrosine phosphatase, non-receptor type 12
A_55_P2002093	1.66E-05	2.76	**Wdr85**	WD repeat domain 85
A_51_P302358	4.34E-05	2.76	**Ltb**	lymphotoxin B
A_30_P01028003	0.001450143	2.76		
A_52_P267391	1.52E-05	2.76	**Trim12a**	tripartite motif-containing 12A
A_52_P556281	8.85E-09	2.76	**G3bp2**	GTPase activating protein (SH3 domain) binding protein 2
A_52_P356204	1.57E-07	2.76	**Nostrin**	nitric oxide synthase trafficker
A_55_P2116898	1.31E-05	2.76		
A_30_P01033359	0.00040901	2.75		
A_51_P395473	8.51E-06	2.75	**Tenc1**	tensin like C1 domain-containing phosphatase
A_55_P2023637	0.000105245	2.75	**Prg4**	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)
A_30_P01028276	3.29E-05	2.75		
A_30_P01025109	0.000204448	2.74		
A_55_P2066697	0.002150168	2.74	**Trim47**	tripartite motif-containing 47
A_55_P2022778	0.00242355	2.74	**Trpc2**	transient receptor potential cation channel, subfamily C, member 2
A_30_P01026092	0.00071862	2.73		
A_51_P253803	0.000461459	2.73	**Mki67**	antigen identified by monoclonal antibody Ki 67
A_55_P2079425	1.48E-08	2.73	**Spred1**	sprouty protein with EVH-1 domain 1, related sequence
A_51_P136870	0.001848505	2.73		
A_51_P288138	0.001611001	2.73	**Fpr2**	formyl peptide receptor 2
A_30_P01028052	0.003812864	2.73		
A_30_P01029761	1.47E-05	2.73		
A_55_P2027102	0.001088778	2.72	**Rgs3**	regulator of G-protein signaling 3
A_30_P01025436	0.00012919	2.72		
A_51_P126437	0.002790489	2.72	**Enc1**	ectodermal-neural cortex 1
A_55_P1961320	0.000120456	2.72	**Tes**	testis derived transcript
A_30_P01025875	0.001868464	2.72		
A_52_P85864	0.00010061	2.71	**Eif6**	eukaryotic translation initiation factor 6
A_55_P2397400	0.003043321	2.71	**F830034J09Rik**	RIKEN cDNA F830034J09 gene
A_51_P433000	0.000396358	2.71	**Chmp4c**	chromatin modifying protein 4C
A_51_P126437	0.002168455	2.71	**Enc1**	ectodermal-neural cortex 1
A_51_P126437	0.002380285	2.71	**Enc1**	ectodermal-neural cortex 1
A_30_P01033384	4.07E-05	2.71		
A_55_P2017491	8.73E-06	2.71	**Rbm43**	RNA binding motif protein 43
A_52_P68702	9.15E-05	2.71	**Frmd4b**	FERM domain containing 4B
A_55_P1991500	4.84E-07	2.71	**Obfc1**	oligonucleotide/oligosaccharide-binding fold containing 1
A_55_P1965313	4.72E-08	2.71	**Mctp2**	multiple C2 domains, transmembrane 2
A_30_P01022924	0.0006672	2.71		
A_55_P1983016	3.13E-05	2.71	**Gm3556**	predicted gene 3556
A_55_P2282361	9.73E-06	2.70		
A_51_P442097	0.000550273	2.70	**Slc41a3**	solute carrier family 41, member 3
A_55_P1970596	2.07E-05	2.70		
A_52_P217240	4.95E-06	2.70	**Ppme1**	protein phosphatase methylesterase 1
A_51_P367060	1.55E-05	2.70	**Ifrd1**	interferon-related developmental regulator 1
A_51_P295215	5.32E-08	2.70	**Alkbh5**	alkB, alkylation repair homolog 5 (E. coli)
A_55_P2392625	0.003499757	2.69	**Slc1a2**	solute carrier family 1 (glial high affinity glutamate transporter), member 2
A_55_P1963234	0.000661695	2.69	**Olfr1396**	olfactory receptor 1396
A_51_P235984	3.33E-05	2.69	**Il10ra**	interleukin 10 receptor, alpha
A_30_P01019905	0.002632755	2.69		
A_51_P381230	5.19E-05	2.68	**Zhx2**	zinc fingers and homeoboxes 2
A_51_P369862	0.000115749	2.68	**Nceh1**	arylacetamide deacetylase-like 1
A_30_P01032845	2.97E-06	2.68		
A_30_P01030011	0.000164369	2.68		
A_30_P01023449	1.19E-05	2.68		
A_55_P2013321	0.002732443	2.68		
A_30_P01027459	2.67E-05	2.68		
A_55_P2056205	0.000228327	2.67	**Fpr3**	formyl peptide receptor 3
A_55_P2182437	0.000225135	2.67		
A_30_P01028177	0.000827631	2.67		
A_55_P2036357	0.00307341	2.67	**Pyhin1**	pyrin and HIN domain family, member 1
A_30_P01017514	0.000561753	2.66		
A_55_P2074381	7.89E-07	2.66		
A_55_P1999790	7.26E-05	2.66	**Pkdcc**	protein kinase domain containing, cytoplasmic
A_30_P01019428	6.04E-06	2.66		
A_55_P2109702	0.001440371	2.65		
A_51_P126437	0.002638533	2.65	**Enc1**	ectodermal-neural cortex 1
A_52_P646783	0.00018266	2.65	**Fbxl22**	F-box and leucine-rich repeat protein 22
A_55_P2177899	0.00048126	2.65	**Dact1**	dapper homolog 1, antagonist of beta-catenin (xenopus)
A_66_P124139	0.001212688	2.65	**Ikzf1**	IKAROS family zinc finger 1
A_55_P1977426	0.00259869	2.65	**Oscar**	osteoclast associated receptor
A_55_P2167025	0.002795044	2.65	**Pvrl2**	poliovirus receptor-related 2
A_51_P126437	0.00360933	2.65	**Enc1**	ectodermal-neural cortex 1
A_55_P2147487	7.05E-05	2.65	**Cyth3**	cytohesin 3
A_30_P01024571	3.67E-06	2.65		
A_55_P2075366	5.48E-05	2.65	**Tead3**	TEA domain family member 3
A_55_P2027392	2.26E-06	2.64	**Gpr146**	G protein-coupled receptor 146
A_55_P2077313	0.002782659	2.64	**Ddr1**	discoidin domain receptor family, member 1
A_30_P01028218	0.000865877	2.64		
A_55_P1955568	1.68E-06	2.64	**Extl2**	exostoses (multiple)-like 2
A_55_P2123381	1.68E-05	2.64	**Fga**	fibrinogen alpha chain
A_55_P2001233	3.52E-05	2.64	**Pydc3**	pyrin domain containing 3
A_55_P1964648	0.000647426	2.64	**Btla**	B and T lymphocyte associated
A_30_P01029336	0.002099913	2.64		
A_66_P136186	0.000627204	2.64	**Wee1**	WEE 1 homolog 1 (S. pombe)
A_65_P20699	3.13E-09	2.64	**Tlk2**	tousled-like kinase 2 (Arabidopsis)
A_51_P375509	2.62E-05	2.63	**Spty2d1**	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)
A_51_P506674	5.96E-07	2.63	**Rpp38**	ribonuclease P/MRP 38 subunit (human)
A_52_P480402	3.63E-06	2.62	**Avl9**	AVL9 homolog (S. cerevisiase)
A_51_P101375	2.36E-05	2.62	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_55_P1989013	0.000310683	2.62	**Eif6**	eukaryotic translation initiation factor 6
A_51_P125842	6.18E-07	2.62	**Tmem51**	transmembrane protein 51
A_55_P2072041	0.000718111	2.62		
A_55_P2180551	0.000146092	2.62	**Fam60a**	family with sequence similarity 60, member A
A_30_P01017480	0.000801508	2.61		
A_51_P114177	1.18E-05	2.61	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_51_P499838	0.000669994	2.61	**Bst1**	bone marrow stromal cell antigen 1
A_55_P2359560	0.002927087	2.61	**C230073G13Rik**	RIKEN cDNA C230073G13 gene
A_55_P2081761	0.000844861	2.61		
A_51_P128463	0.000473976	2.61	**Grrp1**	glycine/arginine rich protein 1
A_55_P2003673	6.21E-07	2.61	**Mtmr12**	myotubularin related protein 12
A_52_P462203	0.000138569	2.61	**Dclre1c**	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)
A_55_P2051778	5.61E-06	2.61	**Sult2b1**	sulfotransferase family, cytosolic, 2B, member 1
A_55_P2064004	3.64E-07	2.61	**Rapgef2**	Rap guanine nucleotide exchange factor (GEF) 2
A_55_P2086329	6.85E-08	2.60	**Krt85**	keratin 85

A_55_P2036952	0.000130039	2.60		
A_55_P2007165	3.01E-05	2.60		
A_55_P2016114	1.82E-05	2.60	**Fasl**	Fas ligand (TNF superfamily, member 6)
A_55_P1979684	0.000689947	2.60	**Rhoc**	ras homolog gene family, member C
A_55_P2128324	0.001390324	2.60	**Ubap2l**	ubiquitin associated protein 2-like
A_30_P01026736	4.55E-05	2.60		
A_66_P138137	6.72E-07	2.60	**Pnp**	purine-nucleoside phosphorylase
A_55_P2108845	2.31E-06	2.60	**Gm7160**	predicted gene 7160
A_30_P01027393	0.004346533	2.60		
A_52_P432580	7.53E-05	2.60	**Arid5b**	AT rich interactive domain 5B (MRF1-like)
A_55_P1988488	0.002766745	2.60	**Npc1l1**	NPC1-like 1
A_55_P2209298	0.000233991	2.60	**AA589532**	expressed sequence AA589532
A_51_P300936	3.20E-06	2.60	**Rbbp8**	retinoblastoma binding protein 8
A_55_P2181181	0.000506074	2.59		
A_51_P463765	0.000465889	2.59	**Timp3**	tissue inhibitor of metalloproteinase 3
A_52_P664506	0.00185133	2.59	**Abhd2**	abhydrolase domain containing 2
A_66_P140856	0.000200336	2.59	**Gm4588**	predicted gene 4588
A_51_P114177	4.72E-06	2.59	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_55_P2014540	7.72E-06	2.59	**BC068281**	cDNA sequence BC068281
A_30_P01026806	0.000253149	2.58		
A_66_P123635	0.002554342	2.58	**Csf2rb**	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
A_55_P2113683	0.000167409	2.58	**Raph1**	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
A_30_P01030058	1.98E-06	2.58		
A_52_P109304	2.37E-06	2.58	**Tbl2**	transducin (beta)-like 2
A_55_P2105944	0.000690863	2.58	**Olfr224**	olfactory receptor 224
A_51_P417839	6.83E-05	2.58	**Hdac4**	histone deacetylase 4
A_52_P281209	0.000145817	2.58	**Kdm4a**	lysine (K)-specific demethylase 4A
A_55_P2184146	0.00347498	2.58		
A_55_P2006277	9.14E-06	2.57	**Ogdh**	oxoglutarate dehydrogenase (lipoamide)
A_30_P01030639	0.000407491	2.57		
A_55_P1985638	0.001213656	2.57	**Shisa7**	shisa homolog 7 (Xenopus laevis)
A_30_P01019551	0.002558477	2.56		
A_65_P10491	0.001182253	2.56	**Raph1**	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
A_52_P640296	9.89E-05	2.56	**Fmnl2**	formin-like 2
A_30_P01019266	2.10E-06	2.56		
A_52_P161630	4.10E-09	2.56	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_55_P2146976	0.000201785	2.56		
A_51_P418725	1.08E-05	2.56	**Plekhf1**	pleckstrin homology domain containing, family F (with FYVE domain) member 1
A_55_P2170536	2.45E-06	2.56	**Zfp949**	zinc finger protein 949
A_65_P08864	2.74E-05	2.55	**Dph5**	DPH5 homolog (S. cerevisiae)
A_51_P121447	0.000339533	2.55	**1110038F14Rik**	RIKEN cDNA 1110038F14 gene
A_55_P2123912	0.003385772	2.55	**Tmem200b**	transmembrane protein 200B
A_51_P481482	7.30E-05	2.55	**Dram1**	DNA-damage regulated autophagy modulator 1
A_55_P1958400	0.000389923	2.55	**LOC236220**	hypothetical protein LOC236220
A_51_P128463	6.37E-05	2.55	**Grrp1**	glycine/arginine rich protein 1
A_52_P289893	4.31E-07	2.55	**Prdm4**	PR domain containing 4
A_51_P177491	2.77E-05	2.55	**Ctrl**	chymotrypsin-like
A_55_P2312654	2.41E-05	2.55	**BB070754**	expressed sequence BB070754
A_51_P154842	0.00036201	2.54	**Oas1f**	2'-5' oligoadenylate synthetase 1F
A_55_P1952587	0.000999817	2.54		
A_55_P2063471	1.84E-06	2.54		
A_51_P101375	1.44E-05	2.54	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_66_P110161	0.002042473	2.54	**Eppk1**	epiplakin 1
A_52_P156852	0.002393436	2.54		
A_51_P405668	4.99E-09	2.54	**March5**	membrane-associated ring finger (C3HC4) 5
A_52_P77764	0.000272627	2.54	**Slc7a2**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2
A_55_P2108738	4.79E-06	2.54	**Nck1**	non-catalytic region of tyrosine kinase adaptor protein 1
A_65_P09031	4.56E-05	2.53	**Cdc42se2**	CDC42 small effector 2
A_52_P261496	3.96E-06	2.53	**Gabpb1**	GA repeat binding protein, beta 1
A_52_P128068	5.36E-05	2.53	**9030409G11Rik**	RIKEN cDNA 9030409G11 gene
A_55_P1989419	5.83E-08	2.53	**AI987944**	expressed sequence AI987944
A_55_P1998942	0.000593596	2.53	**Oas1a**	2'-5' oligoadenylate synthetase 1A
A_51_P128463	0.000110114	2.52	**Grrp1**	glycine/arginine rich protein 1
A_30_P01019360	6.57E-05	2.52		
A_52_P451834	0.000612896	2.52	**Stk35**	serine/threonine kinase 35
A_30_P01031796	0.000525727	2.52		
A_52_P329250	9.40E-07	2.52	**Chd1**	chromodomain helicase DNA binding protein 1
A_55_P2123957	0.002949527	2.52	**Acvr1b**	activin A receptor, type 1B
A_30_P01021617	0.001988691	2.51		
A_55_P2098941	0.000273948	2.51		
A_52_P229943	0.001231597	2.51	**Ostb**	organic solute transporter beta
A_30_P01032397	0.001746108	2.51		
A_55_P2110351	0.001587743	2.51	**Eppk1**	epiplakin 1
A_55_P1962304	8.07E-06	2.51	**Plac8**	placenta-specific 8
A_55_P2072656	0.000294642	2.51	**Ckmt1**	creatine kinase, mitochondrial 1, ubiquitous
A_30_P01020772	0.001287755	2.51		
A_55_P2452259	4.41E-06	2.50	**Gls**	glutaminase
A_51_P426096	0.001630364	2.50	**Mmp7**	matrix metallopeptidase 7
A_51_P105380	0.004150177	2.50	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P114177	1.09E-05	2.50	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_55_P2021109	0.000240294	2.50	**Ier5**	immediate early response 5
A_30_P01025615	0.000665987	2.49		
A_55_P2141943	4.86E-08	2.49		
A_55_P1984253	0.001031757	2.49		
A_55_P2106801	0.001268594	2.48	**Bglap-rs1**	bone gamma-carboxyglutamate protein, related sequence 1
A_55_P2165539	8.91E-07	2.48	**Aebp2**	AE binding protein 2
A_51_P101375	1.54E-05	2.48	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_65_P16231	6.26E-05	2.48	**Ttc39b**	tetratricopeptide repeat domain 39B
A_51_P487718	0.000687984	2.48	**E2f3**	E2F transcription factor 3
A_55_P2017100	0.000564856	2.48		
A_52_P601688	0.001275453	2.48	**Abcc1**	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
A_55_P2181222	0.000101767	2.48	**Pydc3**	pyrin domain containing 3
A_51_P224980	3.26E-05	2.48	**BC027231**	cDNA sequence BC027231
A_51_P156857	0.000102364	2.47	**2010002N04Rik**	RIKEN cDNA 2010002N04 gene
A_30_P01033414	0.003795191	2.47		
A_55_P1989321	2.40E-05	2.47	**Sat1**	spermidine/spermine N1-acetyl transferase 1
A_55_P2009077	0.00215913	2.47	**Sybu**	syntabulin (syntaxin-interacting)
A_55_P1981155	9.79E-05	2.47	**Phldb1**	pleckstrin homology-like domain, family B, member 1
A_52_P212756	9.95E-06	2.47	**Tor1aip2**	torsin A interacting protein 2
A_55_P1961084	2.34E-05	2.46	**Map3k1**	mitogen-activated protein kinase kinase kinase 1
A_55_P1982563	0.000214767	2.46	**Rhbdf1**	rhomboid family 1 (Drosophila)
A_30_P01028097	1.22E-05	2.46		
A_51_P402193	1.31E-05	2.46	**Map3k1**	mitogen-activated protein kinase kinase kinase 1
A_52_P104761	1.61E-06	2.46	**Rlim**	ring finger protein, LIM domain interacting
A_55_P2032458	0.000250311	2.46	**Gm6934**	predicted gene 6934

A_30_P01025442	0.000647272	2.46		
A_30_P01031296	0.000114562	2.46		
A_30_P01021912	0.003320097	2.46		
A_55_P2115225	0.001339584	2.45	**Fap**	fibroblast activation protein
A_52_P615247	6.75E-05	2.45		
A_51_P114177	1.76E-05	2.45	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_30_P01017679	0.00233556	2.45		
A_51_P251357	0.000801738	2.45	**Ctps**	cytidine 5'-triphosphate synthase
A_55_P2052062	0.002046376	2.45	**Cd200**	CD200 antigen
A_51_P224227	6.76E-06	2.45	**Rlf**	rearranged L-myc fusion sequence
A_55_P1998943	0.000282302	2.45	**Oas1a**	2'-5' oligoadenylate synthetase 1A
A_55_P2041325	4.01E-05	2.45	**Cep350**	centrosomal protein 350
A_55_P2000683	7.77E-06	2.45	**Peci**	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase
A_55_P2037186	0.000167532	2.44	**Alkbh2**	alkB, alkylation repair homolog 2 (E. coli)
A_55_P1998539	2.16E-05	2.44	**C1qtnf1**	C1q and tumor necrosis factor related protein 1
A_66_P140185	0.001080088	2.44	**Rgs9**	regulator of G-protein signaling 9
A_51_P114177	9.45E-06	2.44	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_30_P01021524	0.003817617	2.44		
A_51_P101375	1.07E-08	2.44	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_51_P114177	2.35E-05	2.43	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_51_P255456	0.000868514	2.43	**Cyp1b1**	cytochrome P450, family 1, subfamily b, polypeptide 1
A_51_P126067	0.000495136	2.43	**Cd2**	CD2 antigen
A_51_P295420	8.99E-08	2.43	**Zc3h7a**	zinc finger CCCH type containing 7 A
A_55_P2095570	0.000198569	2.43		
A_55_P2013058	3.48E-07	2.43	**Shb**	src homology 2 domain-containing transforming protein B
A_55_P1970474	2.08E-06	2.43	**Tmem67**	transmembrane protein 67
A_51_P131335	8.40E-06	2.43	**Lrrc66**	leucine rich repeat containing 66
A_51_P114177	1.29E-05	2.43	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_30_P01030177	0.000989355	2.43		
A_55_P2115176	1.64E-06	2.43	**Pdhx**	pyruvate dehydrogenase complex, component X
A_51_P453351	8.04E-07	2.42	**Lpgat1**	lysophosphatidylglycerol acyltransferase 1
A_51_P114177	2.32E-05	2.42	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_51_P161362	8.91E-06	2.42	**Gnl2**	guanine nucleotide binding protein-like 2 (nucleolar)
A_51_P114177	5.20E-05	2.42	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_55_P2181191	0.002696068	2.42	**Btg1**	B-cell translocation gene 1, anti-proliferative
A_55_P1955548	6.91E-06	2.42	**Ezr**	ezrin
A_55_P2041397	0.00016999	2.42	**Ezh2**	enhancer of zeste homolog 2 (Drosophila)
A_55_P1981050	0.000669274	2.42	**Gemin8**	gem (nuclear organelle) associated protein 8
A_52_P373893	0.000105048	2.42	**Acvr1b**	activin A receptor, type 1B
A_55_P1985984	0.000933592	2.42	**Actg1**	actin, gamma, cytoplasmic 1
A_55_P2154054	1.92E-06	2.41	**Myo18a**	myosin XVIIIA
A_30_P01027757	2.98E-05	2.41		
A_55_P1962801	1.08E-07	2.41	**Max**	Max protein
A_51_P391454	0.000515957	2.41	**Il7**	interleukin 7
A_51_P114177	4.39E-05	2.41	**1810022C23Rik**	RIKEN cDNA 1810022C23 gene
A_55_P2122260	2.09E-05	2.41	**Tmem87b**	transmembrane protein 87B
A_52_P593465	2.82E-05	2.41	**Arap2**	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2
A_52_P495553	0.000118262	2.41	**Zbtb10**	zinc finger and BTB domain containing 10
A_66_P113043	6.16E-06	2.40	**Nlrc5**	NLR family, CARD domain containing 5
A_51_P101375	2.28E-06	2.40	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_30_P01018386	5.48E-07	2.40		
A_51_P499195	0.000282964	2.40	**Nkg7**	natural killer cell group 7 sequence
A_65_P08239	0.000170849	2.40	**Mef2a**	myocyte enhancer factor 2A
A_55_P2012599	0.003532476	2.40	**Kifc5c-ps**	kinesin family member C5C, pseudogene
A_30_P01031241	4.39E-07	2.40		
A_55_P2076555	0.003006659	2.40	**Hsd17b13**	hydroxysteroid (17-beta) dehydrogenase 13
A_55_P2021810	0.000741087	2.39	**Arc**	activity regulated cytoskeletal-associated protein
A_55_P1983309	8.67E-05	2.39	**LOC677368**	hypothetical protein LOC677368
A_55_P2117345	1.96E-05	2.39	**Fcer2a**	Fc receptor, IgE, low affinity II, alpha polypeptide
A_51_P175567	6.88E-05	2.39	**Dact1**	dapper homolog 1, antagonist of beta-catenin (xenopus)
A_55_P2071447	0.001046041	2.39	**Il21r**	interleukin 21 receptor
A_55_P2005552	3.41E-06	2.39	**Arhgef10l**	Rho guanine nucleotide exchange factor (GEF) 10-like
A_52_P83959	2.38E-05	2.39	**Taf7**	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor
A_55_P2117380	0.001738113	2.39	**Asb4**	ankyrin repeat and SOCS box-containing 4
A_55_P2294224	0.002135305	2.39	**Dennd1b**	DENN/MADD domain containing 1B
A_55_P2150299	0.003443354	2.39	**E030030I06Rik**	RIKEN cDNA E030030I06 gene
A_52_P375312	4.18E-05	2.38	**Amica1**	adhesion molecule, interacts with CXADR antigen 1
A_55_P2004541	0.002113469	2.38	**Klra7**	killer cell lectin-like receptor, subfamily A, member 7
A_51_P131942	5.25E-06	2.38	**Dph5**	DPH5 homolog (S. cerevisiae)
A_51_P421876	0.000269414	2.38	**Irf7**	interferon regulatory factor 7
A_55_P2129000	4.86E-05	2.38	**Cyyr1**	cysteine and tyrosine-rich protein 1
A_66_P136354	1.84E-05	2.38	**Lcp2**	lymphocyte cytosolic protein 2
A_55_P2294184	0.000814683	2.38	**Tmem2**	transmembrane protein 2
A_55_P1971124	5.20E-05	2.38	**Mbd1**	methyl-CpG binding domain protein 1
A_30_P01029386	0.000934935	2.38		
A_55_P2423646	2.86E-07	2.38	**Nf2**	neurofibromatosis 2
A_30_P01023320	3.13E-07	2.38		
A_55_P2012984	9.73E-07	2.38	**Ldha**	lactate dehydrogenase A
A_55_P2129614	0.001462037	2.38	**Itprip**	inositol 1,4,5-triphosphate receptor interacting protein
A_55_P2028666	7.50E-05	2.37		
A_30_P01025110	0.001823302	2.37		
A_55_P1990046	0.000113683	2.37		
A_30_P01026822	0.000926596	2.37		
A_51_P101375	7.01E-07	2.37	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_51_P143712	0.001391878	2.37	**Tdh**	L-threonine dehydrogenase
A_55_P2041310	0.000170193	2.37		
A_30_P01017596	0.000794965	2.37		
A_51_P101375	2.73E-06	2.37	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_55_P1954156	0.000212063	2.37	**Wdr43**	WD repeat domain 43
A_30_P01032721	0.002443427	2.36		
A_55_P2136737	1.89E-06	2.36	**D930016D06Rik**	RIKEN cDNA D930016D06 gene
A_51_P382849	0.00323774	2.36	**Emb**	embigin
A_55_P2054435	0.000140763	2.36	**Ttpal**	tocopherol (alpha) transfer protein-like
A_55_P2165074	6.77E-07	2.36	**Rnf31**	ring finger protein 31
A_30_P01028492	8.94E-06	2.36		
A_30_P01029384	0.000331634	2.36		
A_55_P1966838	0.001349482	2.36	**Xaf1**	XIAP associated factor 1
A_30_P01023209	0.000818365	2.36		
A_30_P01024953	0.00077602	2.36		
A_55_P1994654	4.99E-05	2.36	**1810029B16Rik**	RIKEN cDNA 1810029B16 gene
A_30_P01033291	0.000840362	2.35		
A_55_P1959953	4.97E-06	2.35	**BC006779**	cDNA sequence BC006779
A_52_P70796	0.000646067	2.35	**Cxcr5**	chemokine (C-X-C motif) receptor 5
A_55_P2033922	0.002843311	2.35	**Tsga8**	testis specific gene A8
A_55_P2042183	7.13E-05	2.35		

A_51_P101375	1.86E-05	2.35	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_51_P118132	0.000127369	2.35	**Skil**	SKI-like
A_51_P345367	7.77E-05	2.35	**Psmb8**	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)
A_55_P1967776	0.000833778	2.35	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_55_P2075587	2.80E-07	2.35	**Gpatch2**	G patch domain containing 2
A_55_P1955656	1.52E-05	2.35	**Ctla2a**	cytotoxic T lymphocyte-associated protein 2 alpha
A_30_P01028694	0.001839509	2.35		
A_55_P1983583	0.001028966	2.35		
A_55_P2161545	0.000148341	2.35	**Ddx21**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
A_30_P01024368	0.000818046	2.34		
A_66_P106388	5.14E-06	2.34	**Ms4a4c**	membrane-spanning 4-domains, subfamily A, member 4C
A_55_P1959818	0.003230503	2.34	**Tmem40**	transmembrane protein 40
A_55_P2122285	0.000184098	2.34		
A_55_P2142908	0.000640461	2.34	**Nr5a2**	nuclear receptor subfamily 5, group A, member 2
A_51_P148069	0.000140049	2.34	**Lpgat1**	lysophosphatidylglycerol acyltransferase 1
A_55_P2131325	0.002025047	2.34		
A_55_P2143184	0.00243012	2.34	**Hrh4**	histamine receptor H4
A_55_P2192729	0.001258144	2.34	**5830469G19Rik**	RIKEN cDNA 5830469G19 gene
A_55_P1968355	0.000517493	2.34	**Tle1**	transducin-like enhancer of split 1, homolog of Drosophila E(spl)
A_55_P2201612	2.26E-05	2.34	**Slc30a7**	solute carrier family 30 (zinc transporter), member 7
A_55_P2025840	0.000161913	2.34	**Spred2**	sprouty-related, EVH1 domain containing 2
A_55_P2038007	0.000589804	2.34	**Csrp1**	cysteine and glycine-rich protein 1
A_51_P101375	1.12E-05	2.33	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_55_P1961039	1.20E-06	2.33	**Pnpla2**	patatin-like phospholipase domain containing 2
A_51_P136589	0.003592878	2.33	**Olfr796**	olfactory receptor 796
A_55_P1989663	3.92E-06	2.33	**Slco3a1**	solute carrier organic anion transporter family, member 3a1
A_30_P01021435	0.001093176	2.33		
A_55_P1968231	3.16E-05	2.33	**Rbpms**	RNA binding protein gene with multiple splicing
A_51_P101375	1.02E-06	2.33	**St6gal1**	beta galactoside alpha 2,6 sialyltransferase 1
A_55_P1979575	4.09E-06	2.33	**Shroom2**	shroom family member 2
A_30_P01019207	0.000104305	2.33		
A_65_P01834	3.84E-07	2.33	**Lima1**	LIM domain and actin binding 1
A_55_P2088075	0.002386955	2.32		
A_30_P01026619	0.003279556	2.32		
A_51_P245368	1.21E-05	2.32	**Abcb1b**	ATP-binding cassette, sub-family B (MDR/TAP), member 1B
A_51_P327451	0.000113346	2.32	**Alas2**	aminolevulinic acid synthase 2, erythroid
A_52_P244463	1.72E-06	2.32	**D16Ertd472e**	DNA segment, Chr 16, ERATO Doi 472, expressed
A_55_P2021149	0.000547979	2.32	**Cltb**	clathrin, light polypeptide (Lcb)
A_55_P2074005	3.76E-05	2.32	**Tctn1**	tectonic family member 1
A_55_P2165544	2.48E-07	2.31	**Aebp2**	AE binding protein 2
A_55_P2061779	4.43E-05	2.31	**Zfp456**	zinc finger protein 456
A_55_P2016691	2.26E-05	2.31	**1700039I01Rik**	RIKEN cDNA 1700039I01 gene
A_55_P1984640	7.91E-05	2.31	**Ube2f**	ubiquitin-conjugating enzyme E2F (putative)
A_65_P16630	3.98E-07	2.31	**BC068281**	cDNA sequence BC068281
A_52_P586004	0.002055639	2.31	**Hk3**	hexokinase 3
A_51_P481693	0.000183519	2.31	**Ero1l**	ERO1-like (S. cerevisiae)
A_51_P193813	1.05E-05	2.31	**Fga**	fibrinogen alpha chain
A_55_P2034928	0.002002024	2.31	**BC147527**	cDNA sequence BC147527
A_52_P520940	0.000102258	2.30	**Taf7**	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor
A_52_P485905	9.04E-06	2.30	**Mdm4**	transformed mouse 3T3 cell double minute 4
A_55_P2139027	0.00032362	2.30	**Plec**	plectin
A_30_P01023914	0.004303958	2.30		
A_55_P2034300	3.62E-05	2.30	**Tmem40**	transmembrane protein 40
A_51_P257550	4.54E-05	2.30	**Marcksl1**	MARCKS-like 1
A_55_P2045682	1.71E-05	2.30	**Rassf5**	Ras association (RalGDS/AF-6) domain family member 5
A_30_P01030876	0.004316831	2.30		
A_30_P01018337	0.001520944	2.30		
A_30_P01030999	0.001387356	2.30		
A_51_P366061	3.29E-05	2.30	**Fscn1**	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)
A_66_P101935	0.001847584	2.29	**Krt6b**	keratin 6B
A_51_P418420	1.02E-06	2.29	**Ddx3x**	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked
A_55_P1999102	0.001326704	2.29	**Pi16**	peptidase inhibitor 16
A_30_P01026496	0.000149056	2.29		
A_52_P574214	0.000259525	2.29	**Rrp1b**	ribosomal RNA processing 1 homolog B (S. cerevisiae)
A_55_P2084032	6.35E-08	2.29	**AW146154**	expressed sequence AW146154
A_52_P185343	0.003938394	2.29		
A_30_P01027297	0.001564349	2.29		
A_55_P1959228	0.001679182	2.29	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_51_P118132	0.000266179	2.29	**Skil**	SKI-like
A_52_P218976	0.000670778	2.29	**Cyld**	cylindromatosis (turban tumor syndrome)
A_55_P2032302	0.000474901	2.29	**B230307C23Rik**	RIKEN cDNA B230307C23 gene
A_55_P1968898	0.00178501	2.29		
A_55_P2120551	0.001790837	2.29		
A_30_P01029632	0.003080627	2.29		
A_30_P01021434	0.001905874	2.29		
A_55_P2041976	0.001405837	2.29	**Akap4**	A kinase (PRKA) anchor protein 4
A_55_P2213418	0.000236404	2.28	**4933417E11Rik**	RIKEN cDNA 4933417E11 gene
A_55_P1984035	3.00E-05	2.28	**Litaf**	LPS-induced TN factor
A_51_P128463	0.000217907	2.28	**Grrp1**	glycine/arginine rich protein 1
A_55_P2016675	6.06E-06	2.28	**Ogfr**	opioid growth factor receptor
A_55_P2024515	1.82E-08	2.28	**Crtc2**	CREB regulated transcription coactivator 2
A_55_P2022678	8.24E-07	2.28	**C1qtnf1**	C1q and tumor necrosis factor related protein 1
A_51_P118132	0.000120311	2.28	**Skil**	SKI-like
A_55_P2055107	0.001656675	2.28	**Agpat1**	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)
A_55_P2047285	0.00226746	2.28	**Lcn6**	lipocalin 6
A_55_P2035003	0.000763413	2.28	**LOC100503847**	hypothetical LOC100503847
A_55_P2193512	0.001642874	2.28	**AI661384**	expressed sequence AI661384
A_52_P108502	0.001051182	2.27	**Slc4a7**	solute carrier family 4, sodium bicarbonate cotransporter, member 7
A_55_P1979863	4.85E-07	2.27	**Syne2**	synaptic nuclear envelope 2
A_30_P01029002	0.002429193	2.27		
A_52_P254149	6.45E-07	2.27	**Irgq**	immunity-related GTPase family, Q
A_55_P2003139	0.001003571	2.27	**Phf8**	PHD finger protein 8
A_51_P126177	8.06E-06	2.27	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_30_P01032110	0.002543695	2.27		
A_51_P118132	8.17E-05	2.27	**Skil**	SKI-like
A_55_P2090254	0.000332924	2.27	**Sntg2**	syntrophin, gamma 2
A_51_P118132	9.73E-05	2.27	**Skil**	SKI-like
A_55_P2094602	5.35E-06	2.27	**Lrch1**	leucine-rich repeats and calponin homology (CH) domain containing 1
A_55_P2021555	5.80E-05	2.27	**Tbrg1**	transforming growth factor beta regulated gene 1
A_51_P423976	9.97E-05	2.27	**Crem**	cAMP responsive element modulator
A_55_P1957168	0.002773878	2.27	**Ube2s**	ubiquitin-conjugating enzyme E2S
A_51_P235801	1.25E-06	2.27	**Zfp36l1**	zinc finger protein 36, C3H type-like 1
A_51_P514449	5.31E-05	2.27	**Nr5a2**	nuclear receptor subfamily 5, group A, member 2
A_55_P2067505	0.000464841	2.27	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_55_P2128499	1.02E-05	2.27	**Mgl2**	macrophage galactose N-acetyl-galactosamine specific lectin 2

A_55_P2105963	3.20E-05	2.27	**P2ry10**	purinergic receptor P2Y, G-protein coupled 10
A_66_P137556	0.001264862	2.27	**Tle1**	transducin-like enhancer of split 1, homolog of Drosophila E(spl)
A_30_P01018872	1.83E-05	2.26		
A_51_P118132	0.00023003	2.26	**Skil**	SKI-like
A_30_P01021825	0.001283498	2.26		
A_51_P126177	2.71E-06	2.26	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_30_P01028331	0.001612651	2.26		
A_55_P2383877	0.001408988	2.26	**2810040C05Rik**	RIKEN cDNA 2810040C05 gene
A_55_P2009762	1.01E-05	2.26	**Mapkapk3**	mitogen-activated protein kinase-activated protein kinase 3
A_55_P2180884	3.86E-06	2.26	**Psmd10**	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10
A_51_P481930	0.000747704	2.26	**Cdh15**	cadherin 15
A_51_P441426	4.86E-05	2.25	**Pf4**	platelet factor 4
A_55_P2462358	1.50E-05	2.25	**Fam118b**	family with sequence similarity 118, member B
A_55_P2113349	0.00048516	2.25		
A_30_P01030948	0.000680603	2.25		
A_55_P2286503	0.003089636	2.25	**A930001C03Rik**	RIKEN cDNA A930001C03 gene
A_55_P2180216	4.31E-05	2.25		
A_55_P1956827	2.56E-06	2.25	**Ogfr**	opioid growth factor receptor
A_55_P2141978	0.003678507	2.25	**Nr3c2**	nuclear receptor subfamily 3, group C, member 2
A_51_P346165	0.001477994	2.25	**Agpat4**	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)
A_30_P01019132	0.001223699	2.24		
A_55_P1966721	5.02E-05	2.24	**9930105H17Rik**	RIKEN cDNA 9930105H17 gene
A_52_P583458	1.72E-05	2.23	**E2f3**	E2F transcription factor 3
A_55_P2064659	9.94E-05	2.23	**Trim12a**	tripartite motif-containing 12A
A_51_P142515	5.41E-06	2.23	**Antxr2**	anthrax toxin receptor 2
A_55_P2068289	2.21E-05	2.23	**Slc17a2**	solute carrier family 17 (sodium phosphate), member 2
A_55_P2083649	0.000311829	2.23	**Alas1**	aminolevulinic acid synthase 1
A_55_P2092881	0.00015496	2.23		
A_55_P2100899	0.000216953	2.23	**Arnt**	aryl hydrocarbon receptor nuclear translocator
A_52_P178904	7.91E-06	2.23	**Seh1l**	SEH1-like (S. cerevisiae
A_51_P126177	6.47E-06	2.22	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_52_P135822	0.000655967	2.22		
A_55_P2125491	9.14E-05	2.22	**Tnfrsf4**	tumor necrosis factor receptor superfamily, member 4
A_55_P2105262	9.87E-05	2.22		
A_55_P2125149	0.003737801	2.22	**Tulp1**	tubby like protein 1
A_55_P2012849	0.000326986	2.22	**Dock10**	dedicator of cytokinesis 10
A_51_P387608	5.91E-06	2.22	**Hif1a**	hypoxia inducible factor 1, alpha subunit
A_51_P423091	3.11E-05	2.22	**Flot1**	flotillin 1
A_66_P109720	0.000150157	2.22	**Hn1l**	hematological and neurological expressed 1-like
A_51_P247799	9.21E-05	2.22	**Casp8**	caspase 8
A_30_P01024908	0.003408097	2.22		
A_66_P131754	0.000120032	2.22	**Vwa5a**	von Willebrand factor A domain containing 5A
A_30_P01022529	0.001105278	2.22		
A_51_P126177	1.34E-05	2.22	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_52_P237159	9.28E-07	2.22	**Spty2d1**	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)
A_51_P126177	1.85E-05	2.22	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_30_P01023112	0.001409171	2.21		
A_51_P172573	4.41E-07	2.21	**Sod2**	superoxide dismutase 2, mitochondrial
A_51_P126177	1.07E-05	2.21	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_55_P2067942	9.34E-06	2.21	**D16Ertd472e**	DNA segment, Chr 16, ERATO Doi 472, expressed
A_30_P01031898	0.000303561	2.21		
A_51_P118132	0.000201269	2.21	**Skil**	SKI-like
A_30_P01022317	0.000393376	2.21		
A_30_P01025118	0.000891222	2.21		
A_55_P1959425	0.000112793	2.21	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_51_P118132	0.000260529	2.20	**Skil**	SKI-like
A_51_P118132	0.000136277	2.20	**Skil**	SKI-like
A_51_P141546	0.00357444	2.20	**Orm2**	orosomucoid 2
A_55_P2035018	0.002181319	2.20	**Clec4n**	C-type lectin domain family 4, member n
A_55_P2175440	0.000761423	2.20		
A_52_P50329	0.001844465	2.20	**Tmem110**	transmembrane protein 110
A_30_P01025628	4.96E-05	2.20		
A_55_P2061994	0.002392011	2.20		
A_55_P1966216	0.001621505	2.20		
A_55_P2021530	2.68E-05	2.20	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_30_P01032646	0.002660616	2.20		
A_55_P2096515	0.001909318	2.20		
A_52_P492081	2.21E-05	2.20	**Dusp16**	dual specificity phosphatase 16
A_55_P2034705	4.29E-08	2.20	**Nmi**	N-myc (and STAT) interactor
A_55_P2010912	2.56E-06	2.20	**Jak3**	Janus kinase 3
A_30_P01021885	0.000712994	2.20		
A_55_P2148478	0.000283796	2.20	**Klhl25**	kelch-like 25 (Drosophila)
A_55_P2076580	1.46E-05	2.20	**Acaa1a**	acetyl-Coenzyme A acyltransferase 1A
A_55_P1959550	0.000351716	2.19	**Rltpr**	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing
A_55_P2081437	0.001388044	2.19		
A_30_P01031718	0.000210449	2.19		
A_55_P2136184	0.001457146	2.19	**Sva**	seminal vesicle antigen
A_55_P1975110	9.08E-08	2.19	**Pnpt1**	polyribonucleotide nucleotidyltransferase 1
A_66_P128128	0.002814328	2.19		
A_55_P1967648	1.82E-07	2.19	**Flcn**	folliculin
A_55_P2448776	4.40E-05	2.19	**Mdn1**	midasin homolog (yeast)
A_55_P2027836	0.002909713	2.19	**Tnfrsf10b**	tumor necrosis factor receptor superfamily, member 10b
A_55_P1982578	0.001695339	2.19	**Kdm3a**	lysine (K)-specific demethylase 3A
A_52_P463235	0.000135082	2.18	**Ankrd33b**	ankyrin repeat domain 33B
A_51_P118132	0.00060682	2.18	**Skil**	SKI-like
A_55_P2213843	3.60E-05	2.18	**Cgnl1**	cingulin-like 1
A_55_P2140151	1.82E-06	2.18	**Flcn**	folliculin
A_51_P126177	1.08E-05	2.18	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_55_P2005145	2.29E-06	2.18	**Zfp455**	zinc finger protein 455
A_52_P110052	0.002097876	2.18	**Darc**	Duffy blood group, chemokine receptor
A_55_P2001891	9.68E-05	2.18	**Prps1**	phosphoribosyl pyrophosphate synthetase 1
A_51_P126177	8.16E-06	2.18	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_55_P2123551	0.001442096	2.18		
A_51_P357744	7.98E-08	2.18	**Jund**	Jun proto-oncogene related gene d
A_55_P2344463	0.001047525	2.18	**LOC553089**	hypothetical LOC553089
A_55_P2172470	0.00194467	2.17	**Nrgn**	neurogranin
A_30_P01030888	0.000458262	2.17		
A_55_P2150555	1.62E-06	2.17	**Pcgf5**	polycomb group ring finger 5
A_51_P285736	0.002445682	2.17	**Pdcd1**	programmed cell death 1
A_51_P219444	4.15E-05	2.17	**Plcl2**	phospholipase C-like 2
A_55_P2020532	0.003478431	2.17	**BC089491**	cDNA sequence BC089491
A_55_P1997574	5.35E-05	2.17	**Gm4850**	THO complex 4 pseudogene
A_52_P468041	3.08E-07	2.17	**Alkbh5**	alkB, alkylation repair homolog 5 (E. coli)
A_51_P493700	8.50E-06	2.17	**Cep350**	centrosomal protein 350
A_55_P1953578	0.000348606	2.17	**Top3a**	topoisomerase (DNA) III alpha

A_52_P543040	0.001346886	2.17	**Utp14a**	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)
A_52_P430262	1.28E-08	2.16	**Rbm15**	RNA binding motif protein 15
A_51_P423290	0.000743101	2.16	**Mmrn1**	multimerin 1
A_55_P1965681	0.000759117	2.16		
A_51_P126177	2.23E-05	2.16	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_30_P01019972	0.00031504	2.16		
A_55_P2002133	0.003935355	2.16	**Eif2c2**	eukaryotic translation initiation factor 2C, 2
A_55_P1987827	0.002516682	2.16		
A_52_P527500	2.96E-05	2.16	**Helb**	helicase (DNA) B
A_55_P1997375	0.001472439	2.16		
A_30_P01019226	0.000137404	2.16		
A_55_P1992814	7.39E-06	2.16	**Shq1**	SHQ1 homolog (S. cerevisiae)
A_55_P2013833	8.34E-10	2.16	**Ddx3x**	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked
A_55_P2000718	0.000487803	2.15	**Gabarap**	gamma-aminobutyric acid receptor associated protein
A_65_P11455	1.27E-05	2.15	**Pphln1**	periphilin 1
A_55_P1991693	9.12E-05	2.15	**Pprc1**	peroxisome proliferative activated receptor, gamma, coactivator-related 1
A_55_P1985544	0.000792027	2.15	**Kcnk10**	potassium channel, subfamily K, member 10
A_52_P147666	1.38E-05	2.15	**Slc30a7**	solute carrier family 30 (zinc transporter), member 7
A_51_P126177	2.16E-05	2.15	**Map1lc3b**	microtubule-associated protein 1 light chain 3 beta
A_51_P223458	0.000226486	2.15	**Polr3d**	polymerase (RNA) III (DNA directed) polypeptide D
A_51_P396708	0.000228105	2.15	**Med21**	mediator complex subunit 21
A_55_P2017645	9.29E-08	2.15	**Tap2**	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
A_55_P1970655	2.95E-05	2.15		
A_55_P2015124	0.000249767	2.15		
A_30_P01022060	0.000738626	2.15		
A_51_P184385	1.82E-05	2.15	**Pla2g12b**	phospholipase A2, group XIIB
A_55_P2099378	4.18E-05	2.14	**Tcfe3**	transcription factor E3
A_51_P455647	0.000177622	2.14	**Car2**	carbonic anhydrase 2
A_52_P239726	1.99E-06	2.14	**Larp4**	La ribonucleoprotein domain family, member 4
A_55_P2045916	8.43E-06	2.14		
A_55_P2044729	0.00096557	2.14	**Aoc2**	amine oxidase, copper containing 2 (retina-specific)
A_55_P2163857	5.97E-05	2.14	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_30_P01033039	0.000191153	2.14		
A_52_P481423	0.001666161	2.14	**Cttnbp2nl**	CTTNBP2 N-terminal like
A_30_P01030111	0.002789597	2.13		
A_55_P2364755	0.003293976	2.13	**LOC100505078**	hypothetical protein LOC100505078
A_51_P268234	2.35E-06	2.13	**Il34**	interleukin 34
A_51_P322109	0.000764974	2.13	**Pptc7**	PTC7 protein phosphatase homolog (S. cerevisiae)
A_30_P01017794	0.000127941	2.13		
A_55_P1996171	2.75E-07	2.13	**Pcgf5**	polycomb group ring finger 5
A_51_P520966	0.000108571	2.13	**Icosl**	icos ligand
A_51_P322972	0.000156662	2.13	**Hkdc1**	hexokinase domain containing 1
A_55_P2216822	0.003643029	2.13		
A_30_P01024578	0.003400495	2.12		
A_30_P01032009	0.001198371	2.12		
A_55_P2111293	4.49E-05	2.12	**3110009E18Rik**	RIKEN cDNA 3110009E18 gene
A_51_P131025	7.76E-05	2.12	**Ngdn**	neuroguidin, EIF4E binding protein
A_65_P15245	0.000119388	2.12	**Nrp2**	neuropilin 2
A_30_P01025660	0.000980919	2.12		
A_51_P239203	0.000977459	2.11	**Mapk13**	mitogen-activated protein kinase 13
A_52_P504478	0.003551338	2.11	**Adprh**	ADP-ribosylarginine hydrolase
A_30_P01017756	0.0009614	2.11		
A_55_P2149931	0.000277034	2.11	**Arap2**	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2
A_55_P2358002	1.93E-06	2.11	**March5**	membrane-associated ring finger (C3HC4) 5
A_55_P2162152	3.37E-07	2.11		
A_52_P638319	6.37E-06	2.11		
A_30_P01027619	0.001256179	2.11		
A_30_P01025826	0.001373556	2.11		
A_55_P1968043	0.000665667	2.11	**Jmjd1c**	jumonji domain containing 1C
A_55_P2079388	0.000378825	2.11	**Snora74a**	small nucleolar RNA, H/ACA box 74A
A_55_P2021358	7.29E-08	2.11	**Klhl15**	kelch-like 15 (Drosophila)
A_51_P450527	4.21E-05	2.10	**Tagln**	transgelin
A_52_P676956	1.61E-05	2.10	**Tirap**	toll-interleukin 1 receptor (TIR) domain-containing adaptor protein
A_30_P01028793	0.000415946	2.10		
A_51_P509808	8.82E-06	2.10	**Fnbp4**	formin binding protein 4
A_52_P329314	0.001416512	2.10		
A_51_P407774	0.002712632	2.10	**Slc22a21**	solute carrier family 22 (organic cation transporter), member 21
A_55_P1967069	3.72E-05	2.10	**Lpar6**	lysophosphatidic acid receptor 6
A_55_P2065874	0.000945915	2.10	**D430042O09Rik**	RIKEN cDNA D430042O09 gene
A_55_P2083806	0.001117083	2.10	**Sp8**	trans-acting transcription factor 8
A_51_P184806	1.08E-07	2.09	**Elmod2**	ELMO domain containing 2
A_55_P2099379	2.68E-05	2.09	**Tcfe3**	transcription factor E3
A_52_P420216	0.003651056	2.09	**N4bp1**	NEDD4 binding protein 1
A_30_P01018730	0.002583402	2.09		
A_52_P364232	0.001026758	2.09	**Pik3c2a**	phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide
A_55_P2052709	0.003066016	2.09		
A_30_P01023409	0.002912516	2.09		
A_55_P2140870	0.002834869	2.09	**Gm6034**	predicted gene 6034
A_30_P01028559	0.001611099	2.09		
A_55_P2186352	0.001143096	2.09	**Ttc12**	tetratricopeptide repeat domain 12
A_55_P2161132	0.000159576	2.09		
A_52_P672689	0.00010143	2.09	**Btc**	betacellulin, epidermal growth factor family member
A_55_P2105100	5.48E-05	2.09	**Lrig1**	leucine-rich repeats and immunoglobulin-like domains 1
A_51_P214747	7.00E-05	2.08	**Parp12**	poly (ADP-ribose) polymerase family, member 12
A_52_P261322	4.17E-05	2.08	**Tanc1**	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1
A_55_P2026233	3.66E-06	2.08	**Uba7**	ubiquitin-like modifier activating enzyme 7
A_55_P2096807	3.27E-06	2.08	**Rbms1**	RNA binding motif, single stranded interacting protein 1
A_55_P2078780	2.85E-07	2.08	**Etv4**	ets variant gene 4 (E1A enhancer binding protein, E1AF)
A_55_P1989748	8.23E-05	2.08		
A_55_P2119877	0.001113109	2.08		
A_30_P01022079	0.003292564	2.08		
A_55_P2018017	0.000152151	2.08	**Tnfsf10**	tumor necrosis factor (ligand) superfamily, member 10
A_51_P314679	2.32E-06	2.08	**Rrn3**	RRN3 RNA polymerase I transcription factor homolog (yeast)
A_55_P2073169	0.002795433	2.08	**Padi4**	peptidyl arginine deiminase, type IV
A_52_P88091	0.000406954	2.07	**Dsg2**	desmoglein 2
A_51_P293069	8.22E-06	2.07	**Mfsd7b**	major facilitator superfamily domain containing 7B
A_55_P1968068	2.39E-05	2.07	**Trp53**	transformation related protein 53
A_55_P2108351	9.08E-05	2.07		
A_30_P01018827	0.002353324	2.07		
A_55_P2048176	1.27E-05	2.07		
A_30_P01019834	0.000838475	2.07		
A_52_P260787	0.000244681	2.07	**Dopey1**	dopey family member 1
A_52_P168271	0.002433074	2.06	**Spg20**	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)
A_55_P1986306	8.26E-06	2.06	**Ltv1**	LTV1 homolog (S. cerevisiae)
A_55_P2103661	0.001839884	2.06	**Zfp366**	zinc finger protein 366

A_30_P01027717	0.003262831	2.06		
A_55_P2028595	0.002812293	2.06	**AW551984**	expressed sequence AW551984
A_51_P126067	0.000411027	2.06	**Cd2**	CD2 antigen
A_55_P2029285	5.82E-07	2.06	**Smad1**	MAD homolog 1 (Drosophila)
A_55_P1956687	7.85E-05	2.05	**Rab37**	RAB37, member of RAS oncogene family
A_52_P131458	6.49E-06	2.05	**Ttc39b**	tetratricopeptide repeat domain 39B
A_55_P1969876	0.00344341	2.05	**Morf4l2**	mortality factor 4 like 2
A_51_P441974	1.21E-07	2.05	**Pip5k1a**	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha
A_55_P2077068	0.001034076	2.05	**Malt1**	mucosa associated lymphoid tissue lymphoma translocation gene 1
A_55_P2136204	9.82E-05	2.05	**Rnf38**	ring finger protein 38
A_55_P2149763	4.90E-06	2.05	**Tapbp**	TAP binding protein
A_30_P01023974	0.003779187	2.05		
A_55_P2076797	4.82E-05	2.05	**Ddx5**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5
A_30_P01030215	0.0014167	2.04		
A_55_P2041070	7.16E-05	2.04	**Tle3**	transducin-like enhancer of split 3, homolog of Drosophila E(spl)
A_52_P138806	0.000500801	2.04	**Dlgap3**	discs, large (Drosophila) homolog-associated protein 3
A_52_P488361	0.000123199	2.04	**Tmem110**	transmembrane protein 110
A_30_P01025290	0.000255419	2.04		
A_55_P1978987	1.68E-05	2.04	**Ifih1**	interferon induced with helicase C domain 1
A_55_P2054857	5.52E-05	2.04	**Ube2v2**	ubiquitin-conjugating enzyme E2 variant 2
A_55_P1986296	6.34E-05	2.04	**Tagln2**	transgelin 2
A_51_P172231	5.31E-05	2.04	**Gsdmd**	gasdermin D
A_55_P2056871	2.35E-06	2.03	**Akap13**	A kinase (PRKA) anchor protein 13
A_55_P2074206	3.20E-07	2.03	**Dlgap4**	discs, large homolog-associated protein 4 (Drosophila)
A_55_P2201454	0.00162317	2.03	**2310079F09Rik**	RIKEN cDNA 2310079F09 gene
A_51_P504815	2.50E-05	2.03	**Stfa3**	stefin A3
A_55_P2111292	7.71E-06	2.03	**3110009E18Rik**	RIKEN cDNA 3110009E18 gene
A_51_P320539	2.91E-07	2.03	**Fam105b**	family with sequence similarity 105, member B
A_51_P212068	4.00E-05	2.03	**Abp1**	amiloride binding protein 1 (amine oxidase, copper-containing)
A_52_P64707	2.44E-05	2.03	**Foxa3**	forkhead box A3
A_51_P263220	1.42E-06	2.03	**Taf5**	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor
A_51_P128463	0.002024726	2.03	**Grrp1**	glycine/arginine rich protein 1
A_51_P483324	0.001424467	2.03	**Ptpn22**	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
A_55_P2035504	4.14E-05	2.03	**Nt5c3**	5'-nucleotidase, cytosolic III
A_52_P92472	0.000184051	2.02		
A_55_P2081615	0.002797272	2.02	**Timeless**	timeless homolog (Drosophila)
A_30_P01027263	0.000687885	2.02		
A_51_P234728	3.13E-05	2.02	**Lpar6**	lysophosphatidic acid receptor 6
A_51_P172231	1.72E-05	2.02	**Gsdmd**	gasdermin D
A_52_P361551	0.000106546	2.02	**Hspa14**	heat shock protein 14
A_51_P365318	0.000192285	2.02	**Pcf11**	cleavage and polyadenylation factor subunit homolog (S. cerevisiae)
A_51_P458866	4.85E-08	2.02	**F11r**	F11 receptor
A_55_P1961894	2.65E-08	2.02	**Fbxw11**	F-box and WD-40 domain protein 11
A_55_P2066081	0.000665277	2.02	**Prmt6**	protein arginine N-methyltransferase 6
A_55_P2131088	1.33E-06	2.02	**Vwa5a**	von Willebrand factor A domain containing 5A
A_51_P374900	0.003344995	2.02	**P2ry13**	purinergic receptor P2Y, G-protein coupled 13
A_30_P01018611	9.18E-05	2.02		
A_66_P117204	0.00050368	2.01		
A_55_P1995045	0.001060805	2.01	**Zc3hav1**	zinc finger CCCH type, antiviral 1
A_55_P2168113	7.75E-05	2.01	**Nudcd1**	NudC domain containing 1
A_55_P1973848	1.04E-05	2.01	**Sema4b**	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semap
A_55_P2010487	1.24E-05	2.01	**Unk**	unkempt homolog (Drosophila)
A_55_P2008452	3.22E-05	2.01	**Wtap**	Wilms' tumour 1-associating protein
A_51_P507801	0.00059879	2.01	**F13a1**	coagulation factor XIII, A1 subunit
A_55_P2040863	8.19E-07	2.01	**Cnn3**	calponin 3, acidic
A_55_P2074366	0.000325992	2.00	**Yars**	tyrosyl-tRNA synthetase
A_52_P36680	7.66E-06	2.00	**Pggt1b**	protein geranylgeranyltransferase type I, beta subunit
A_65_P02327	0.000280183	2.00	**Pogk**	pogo transposable element with KRAB domain
A_55_P2015799	4.46E-07	2.00		
A_51_P511511	0.002376502	2.00	**Stk33**	serine/threonine kinase 33
A_30_P01022771	0.004055962	2.00		
A_55_P2047912	0.001590526	2.00	**Dad1**	defender against cell death 1

Genes that decreased by more than 2 fold in livers of mice treated with Con A and vehicle for 24 hours compared with livers without any treatment.

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_52_P84027	5.72E-06	0.007	**Cyp7a1**	cytochrome P450, family 7, subfamily a, polypeptide 1
A_51_P162162	9.67E-09	0.011	**Inmt**	indolethylamine N-methyltransferase
A_51_P217498	0.001744126	0.014	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P217498	0.001360754	0.015	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P389265	0.003121996	0.015	**Pnpla3**	patatin-like phospholipase domain containing 3
A_51_P217498	0.001287491	0.016	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_55_P2154645	0.001734766	0.017	**Pnpla5**	patatin-like phospholipase domain containing 5
A_51_P217498	0.001770466	0.018	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P217498	0.001366294	0.018	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_52_P100252	0.001081782	0.018	**Fasn**	fatty acid synthase
A_51_P217498	0.001771676	0.018	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P217498	0.001425474	0.019	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_55_P2111980	2.81E-05	0.020	**Hsd3b5**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 5
A_51_P217498	0.001972031	0.020	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P114722	0.000107635	0.021	**Hao2**	hydroxyacid oxidase 2
A_51_P431329	2.12E-05	0.022	**Car3**	carbonic anhydrase 3
A_51_P217498	0.002148849	0.022	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_51_P266618	3.62E-07	0.022	**Cyp8b1**	cytochrome P450, family 8, subfamily b, polypeptide 1
A_51_P114722	0.000191517	0.022	**Hao2**	hydroxyacid oxidase 2
A_51_P114722	0.000262998	0.022	**Hao2**	hydroxyacid oxidase 2
A_51_P114722	0.000203648	0.023	**Hao2**	hydroxyacid oxidase 2
A_51_P145662	7.67E-08	0.023	**Clec4g**	C-type lectin domain family 4, member g
A_51_P114722	0.000189785	0.023	**Hao2**	hydroxyacid oxidase 2
A_51_P217498	0.001260892	0.024	**Slc2a4**	solute carrier family 2 (facilitated glucose transporter), member 4
A_55_P2036547	9.60E-07	0.026	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_51_P114722	0.000240596	0.026	**Hao2**	hydroxyacid oxidase 2
A_51_P463440	0.000244933	0.026	**Elovl6**	ELOVL family member 6, elongation of long chain fatty acids (yeast)
A_55_P2128606	5.59E-07	0.026	**Nr1h5**	nuclear receptor subfamily 1, group H, member 5
A_51_P114722	7.42E-05	0.026	**Hao2**	hydroxyacid oxidase 2
A_51_P114722	0.000213554	0.028	**Hao2**	hydroxyacid oxidase 2
A_55_P2139587	0.000324866	0.028		
A_51_P114722	0.000132158	0.028	**Hao2**	hydroxyacid oxidase 2
A_55_P2018666	0.000375905	0.029	**Thrsp**	thyroid hormone responsive SPOT14 homolog (Rattus)
A_51_P114722	0.0002871	0.031	**Hao2**	hydroxyacid oxidase 2
A_52_P350750	0.004674395	0.031	**Chrna4**	cholinergic receptor, nicotinic, alpha polypeptide 4
A_52_P293682	0.000471252	0.035	**Sult2a7**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 7
A_55_P2178036	4.73E-08	0.036	**Serpina6**	serine (or cysteine) peptidase inhibitor, clade A, member 6
A_51_P144160	7.79E-09	0.038	**Colec10**	collectin sub-family member 10
A_52_P21486	9.38E-05	0.041	**Hamp2**	hepcidin antimicrobial peptide 2
A_52_P240796	0.00018368	0.042	**Rdh16**	retinol dehydrogenase 16
A_55_P2046671	7.81E-06	0.043		
A_51_P133562	3.09E-08	0.043	**Serpina6**	serine (or cysteine) peptidase inhibitor, clade A, member 6
A_52_P54280	1.01E-07	0.043	**Adck3**	aarF domain containing kinase 3
A_52_P614777	5.42E-05	0.044	**Sucnr1**	succinate receptor 1
A_51_P178772	1.41E-09	0.046	**Ces1f**	carboxylesterase 1F
A_51_P174275	3.41E-12	0.049	**Colec11**	collectin sub-family member 11
A_51_P383774	0.000123508	0.049	**Gngt1**	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
A_52_P219904	6.21E-11	0.049	**Afmid**	arylformamidase
A_52_P572178	2.39E-05	0.050	**D130043K22Rik**	RIKEN cDNA D130043K22 gene
A_55_P2049771	1.27E-06	0.051		
A_55_P2025514	0.00064786	0.053	**Pnpla3**	patatin-like phospholipase domain containing 3
A_51_P221256	0.006538257	0.053	**Slc34a2**	solute carrier family 34 (sodium phosphate), member 2
A_55_P2143923	4.19E-05	0.054	**Slc13a2**	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2
A_55_P2147136	7.62E-07	0.055	**Akr1d1**	aldo-keto reductase family 1, member D1
A_51_P245503	1.19E-10	0.056	**Ugt2b1**	UDP glucuronosyltransferase 2 family, polypeptide B1
A_55_P2099840	4.48E-05	0.056		
A_52_P93837	2.79E-07	0.057	**Mme**	membrane metallo endopeptidase
A_55_P2340448	3.01E-08	0.057	**B230114P17Rik**	RIKEN cDNA B230114P17 gene
A_52_P653825	0.000513061	0.059	**Keg1**	kidney expressed gene 1
A_55_P2172532	8.27E-06	0.059	**Sult2a6**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 6
A_55_P1989248	8.84E-06	0.059		
A_55_P2023114	4.19E-10	0.059	**Hsd3b2**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
A_51_P369784	8.49E-06	0.060	**Ces1e**	carboxylesterase 1E
A_52_P253567	6.86E-10	0.060	**Hsd3b6**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6
A_55_P1988795	0.000300725	0.060	**Acss2**	acyl-CoA synthetase short-chain family member 2
A_52_P595871	1.01E-07	0.061	**Cyp1a2**	cytochrome P450, family 1, subfamily a, polypeptide 2
A_52_P207314	2.02E-06	0.062	**Htra4**	HtrA serine peptidase 4
A_55_P1963134	9.99E-08	0.062		
A_55_P1952512	1.31E-05	0.062	**Sult2a2**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 2
A_51_P328622	3.94E-06	0.063	**Tlcd2**	TLC domain containing 2
A_51_P157462	2.78E-09	0.063	**Rgn**	regucalcin
A_55_P2020477	2.02E-07	0.064	**Cyp2c50**	cytochrome P450, family 2, subfamily c, polypeptide 50
A_51_P335569	2.42E-11	0.064	**Slco1a4**	solute carrier organic anion transporter family, member 1a4
A_52_P57622	2.50E-07	0.064	**Acss3**	acyl-CoA synthetase short-chain family member 3
A_51_P324633	6.01E-05	0.065	**Elovl3**	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3
A_51_P224164	6.48E-05	0.065	**Slc26a4**	solute carrier family 26, member 4
A_52_P121342	4.28E-10	0.065	**Nrxn1**	neurexin I
A_55_P2170054	2.89E-07	0.066	**Gm7854**	predicted gene 7854
A_55_P2054628	1.80E-08	0.067	**Nrxn1**	neurexin I
A_51_P189733	3.03E-10	0.067	**2810007J24Rik**	RIKEN cDNA 2810007J24 gene
A_55_P2107223	8.40E-06	0.067	**Sult2a6**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 6
A_30_P0101812	1.39E-06	0.068		
A_55_P1991841	3.06E-05	0.069	**AB056442**	cDNA sequence AB056442
A_55_P1988789	0.000332611	0.069	**Acss2**	acyl-CoA synthetase short-chain family member 2
A_52_P289091	2.24E-06	0.069	**Cyp2b13**	cytochrome P450, family 2, subfamily b, polypeptide 13
A_55_P1952517	2.42E-05	0.070	**Sult2a1**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
A_51_P498882	6.11E-06	0.070	**Cyp2c37**	cytochrome P450, family 2. subfamily c, polypeptide 37
A_55_P2000543	8.31E-05	0.071	**Cd209f**	CD209f antigen
A_55_P1958804	5.37E-09	0.071	**Hsd3b3**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 3
A_51_P144531	2.39E-05	0.071	**D630002G06Rik**	RIKEN cDNA D630002G06 gene
A_66_P113268	1.07E-07	0.071	**Mme**	membrane metallo endopeptidase
A_51_P452768	9.38E-09	0.072	**Cyp4f14**	cytochrome P450, family 4, subfamily f, polypeptide 14
A_55_P2156304	1.39E-06	0.072	**Kcnj16**	potassium inwardly-rectifying channel, subfamily J, member 16
A_55_P2050226	2.68E-05	0.073	**Ccrl1**	chemokine (C-C motif) receptor-like 1
A_55_P2069907	4.77E-05	0.073	**Acot3**	acyl-CoA thioesterase 3
A_55_P2169259	5.60E-09	0.074	**Cyp3a25**	cytochrome P450, family 3, subfamily a, polypeptide 25
A_51_P221651	4.16E-06	0.074	**Adck3**	aarF domain containing kinase 3
A_66_P116326	9.73E-06	0.075	**Tlcd2**	TLC domain containing 2
A_55_P2066036	0.000499247	0.075		
A_52_P154580	5.69E-07	0.076	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_55_P2038347	1.71E-06	0.076	**Acot3**	acyl-CoA thioesterase 3
A_55_P2288232	1.20E-08	0.077	**6330407I18Rik**	RIKEN cDNA 6330407I18 gene
A_55_P1961466	0.000219295	0.077	**Dct**	dopachrome tautomerase
A_55_P1993419	7.96E-08	0.077	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_55_P2162880	1.41E-09	0.078	**Cyp3a57**	cytochrome P450, family 3, subfamily a, polypeptide 57
A_55_P2016842	0.000103512	0.078	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic

A_52_P402127	1.62E-05	0.078	**Mup9**	major urinary protein 9
A_55_P2171413	0.000371646	0.079	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic
A_52_P562267	1.91E-05	0.079	**9130409I23Rik**	RIKEN cDNA 9130409I23 gene
A_66_P124420	9.45E-05	0.081		
A_51_P205326	7.26E-08	0.081	**Fam198a**	family with sequence similarity 198, member A
A_51_P176042	2.10E-05	0.081	**Pklr**	pyruvate kinase liver and red blood cell
A_55_P2040860	6.28E-06	0.082	**Sun3**	Sad1 and UNC84 domain containing 3
A_51_P391616	1.69E-06	0.082	**Agxt2l1**	alanine-glyoxylate aminotransferase 2-like 1
A_51_P309920	6.28E-08	0.082	**Itga8**	integrin alpha 8
A_55_P2003053	0.000121342	0.082	**Dct**	dopachrome tautomerase
A_55_P1952507	2.95E-05	0.083	**Sult2a4**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 4
A_51_P175424	2.27E-08	0.083	**Car14**	carbonic anhydrase 14
A_55_P2122464	3.54E-08	0.083		
A_55_P2178798	1.06E-06	0.084	**LOC100048662**	UDP-glucuronosyltransferase 1-9-like
A_52_P69109	7.62E-09	0.086	**Slc10a1**	solute carrier family 10 (sodium/bile acid cotransporter family), member 1
A_55_P2009952	0.000285412	0.086	**Me1**	malic enzyme 1, NADP(+)-dependent, cytosolic
A_51_P271865	3.34E-06	0.087	**Clec4f**	C-type lectin domain family 4, member f
A_51_P353895	1.10E-05	0.087	**Sult1c2**	sulfotransferase family, cytosolic, 1C, member 2
A_51_P395856	3.80E-05	0.088	**Slc22a7**	solute carrier family 22 (organic anion transporter), member 7
A_55_P1973259	4.53E-07	0.089	**Gamt**	guanidinoacetate methyltransferase
A_55_P2095039	1.45E-06	0.090	**A330049M08Rik**	RIKEN cDNA A330049M08 gene
A_66_P120125	0.000462006	0.091	**D0H4S114**	DNA segment, human D4S114
A_55_P2078955	0.000112596	0.091	**Aqp8**	aquaporin 8
A_52_P682382	1.12E-06	0.091	**Scd1**	stearoyl-Coenzyme A desaturase 1
A_51_P420415	1.18E-07	0.092	**Srd5a1**	steroid 5 alpha-reductase 1
A_52_P574720	1.95E-08	0.092	**Oit3**	oncoprotein induced transcript 3
A_55_P2064351	4.88E-09	0.094	**Vipr1**	vasoactive intestinal peptide receptor 1
A_55_P1961423	1.32E-09	0.096	**Gsta3**	glutathione S-transferase, alpha 3
A_55_P2082914	0.000800376	0.096	**Acly**	ATP citrate lyase
A_51_P326685	0.000741953	0.097	**Lrtm1**	leucine-rich repeats and transmembrane domains 1
A_51_P277088	2.40E-07	0.098	**Igfals**	insulin-like growth factor binding protein, acid labile subunit
A_55_P2025954	0.000564037	0.098	**Acly**	ATP citrate lyase
A_51_P126563	4.04E-09	0.098	**Otc**	ornithine transcarbamylase
A_55_P2084703	0.000290649	0.098	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_51_P213030	1.10E-07	0.098	**Macrod1**	MACRO domain containing 1
A_51_P462385	5.81E-05	0.101	**G6pc**	glucose-6-phosphatase, catalytic
A_55_P2039044	1.80E-08	0.101	**Cyp3a59**	cytochrome P450, subfamily 3A, polypeptide 59
A_51_P215438	6.45E-07	0.101	**Prodh**	proline dehydrogenase
A_55_P2116272	5.19E-09	0.102	**Cyp2c38**	cytochrome P450, family 2, subfamily c, polypeptide 38
A_66_P129153	0.000505049	0.102	**Ptk6**	PTK6 protein tyrosine kinase 6
A_55_P2119892	0.000101362	0.102	**Erbb4**	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)
A_51_P164630	0.000205968	0.102	**Fitm1**	fat storage-inducing transmembrane protein 1
A_55_P2005859	2.46E-11	0.102	**Fn3k**	fructosamine 3 kinase
A_55_P2002557	0.000464927	0.102	**Srebf1**	sterol regulatory element binding transcription factor 1
A_51_P253481	1.42E-07	0.102	**Ces1g**	carboxylesterase 1G
A_55_P1991505	7.60E-07	0.102	**Gamt**	guanidinoacetate methyltransferase
A_51_P209782	3.34E-06	0.102	**Cyp2c44**	cytochrome P450, family 2, subfamily c, polypeptide 44
A_55_P2016662	2.16E-06	0.103		
A_51_P126563	1.46E-10	0.103	**Otc**	ornithine transcarbamylase
A_55_P2060138	7.32E-05	0.104	**Cyp2a22**	cytochrome P450, family 2, subfamily a, polypeptide 22
A_55_P2313033	2.15E-09	0.104	**Ptprb**	protein tyrosine phosphatase, receptor type, B
A_55_P2141058	0.003363528	0.104	**LOC100504710**	camello-like 3-like
A_51_P185693	2.45E-08	0.105	**Slc2a2**	solute carrier family 2 (facilitated glucose transporter), member 2
A_51_P126563	1.51E-09	0.105	**Otc**	ornithine transcarbamylase
A_51_P419439	1.49E-07	0.105	**Gnmt**	glycine N-methyltransferase
A_51_P126563	6.26E-11	0.105	**Otc**	ornithine transcarbamylase
A_55_P1989658	0.002006019	0.105	**Slco1a1**	solute carrier organic anion transporter family, member 1a1
A_51_P126563	2.68E-09	0.106	**Otc**	ornithine transcarbamylase
A_51_P126563	1.30E-10	0.106	**Otc**	ornithine transcarbamylase
A_51_P126563	4.92E-10	0.106	**Otc**	ornithine transcarbamylase
A_51_P126563	1.23E-09	0.106	**Otc**	ornithine transcarbamylase
A_52_P136914	8.84E-06	0.107	**Nudt7**	nudix (nucleoside diphosphate linked moiety X)-type motif 7
A_51_P164296	3.87E-06	0.107	**Adamdec1**	ADAM-like, decysin 1
A_51_P126563	1.02E-09	0.107	**Otc**	ornithine transcarbamylase
A_51_P126563	3.80E-10	0.108	**Otc**	ornithine transcarbamylase
A_55_P2121392	0.000637179	0.108	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_51_P451458	8.91E-09	0.108	**Mamdc2**	MAM domain containing 2
A_55_P2087053	1.65E-05	0.110	**Gm11437**	predicted gene 11437
A_55_P2019054	6.64E-06	0.110	**Acacb**	acetyl-Coenzyme A carboxylase beta
A_55_P1953103	8.74E-06	0.111	**Nudt7**	nudix (nucleoside diphosphate linked moiety X)-type motif 7
A_51_P334318	1.00E-06	0.111	**2010110P09Rik**	RIKEN cDNA 2010110P09 gene
A_55_P2158547	3.04E-07	0.112	**Cyp2c54**	cytochrome P450, family 2, subfamily c, polypeptide 54
A_52_P218833	5.95E-05	0.113	**Sult2a3**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 3
A_55_P2084706	0.000328794	0.114	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_55_P1979295	2.66E-07	0.114	**Lrit1**	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1
A_51_P189082	1.40E-08	0.114	**Akr1c6**	aldo-keto reductase family 1, member C6
A_55_P2135203	3.43E-05	0.114		
A_55_P2115220	6.61E-07	0.115	**Gm11437**	predicted gene 11437
A_52_P175199	1.96E-06	0.115	**Lrit2**	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2
A_55_P2148171	1.81E-05	0.116	**A330049M08Rik**	RIKEN cDNA A330049M08 gene
A_51_P117618	9.11E-07	0.116	**Ethe1**	ethylmalonic encephalopathy 1
A_55_P2058433	5.25E-06	0.116	**Cyp2c68**	cytochrome P450, family 2, subfamily c, polypeptide 68
A_55_P2019058	0.000322799	0.117	**Acaca**	acetyl-Coenzyme A carboxylase alpha
A_55_P2027083	3.74E-06	0.117	**Kcnj10**	potassium inwardly-rectifying channel, subfamily J, member 10
A_51_P377856	8.13E-06	0.117	**Gstt3**	glutathione S-transferase, theta 3
A_51_P383755	1.49E-06	0.117	**1110006G14Rik**	RIKEN cDNA 1110006G14 gene
A_51_P342200	2.79E-06	0.118	**Ces1h**	carboxylesterase 1H
A_55_P2102060	4.62E-05	0.118	**Gstm3**	glutathione S-transferase, mu 3
A_52_P244803	0.000105529	0.120	**D630033O11Rik**	RIKEN cDNA D630033O11 gene
A_55_P1965931	7.02E-08	0.120	**Cml1**	camello-like 1
A_52_P468564	7.48E-08	0.120	**Cyp2c38**	cytochrome P450, family 2, subfamily c, polypeptide 38
A_51_P473259	6.54E-10	0.120	**Dpyd**	dihydropyrimidine dehydrogenase
A_51_P112817	5.21E-08	0.120	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_66_P108188	1.31E-09	0.121	**Car5a**	carbonic anhydrase 5a, mitochondrial
A_51_P112817	9.61E-09	0.121	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_55_P1990870	7.83E-07	0.121		
A_55_P2051159	2.14E-06	0.121	**Upp2**	uridine phosphorylase 2
A_55_P1962661	4.01E-06	0.122	**Cyp2c67**	cytochrome P450, family 2, subfamily c, polypeptide 67
A_51_P112817	5.78E-09	0.122	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P110381	0.000197292	0.122	**Cd207**	CD207 antigen
A_55_P2121225	3.81E-07	0.122	**Cyp3a11**	cytochrome P450, family 3, subfamily a, polypeptide 11
A_51_P342926	4.40E-06	0.123	**Omd**	osteomodulin
A_51_P513992	1.31E-07	0.123	**Spag4**	sperm associated antigen 4
A_55_P2088615	2.81E-07	0.123	**Fbln5**	fibulin 5
A_51_P112817	1.69E-08	0.124	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P355301	1.15E-05	0.124	**Cyp3a11**	cytochrome P450, family 3, subfamily a, polypeptide 11
A_51_P112817	1.22E-08	0.124	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_65_P17602	5.38E-05	0.124	**Pgm5**	phosphoglucomutase 5
A_51_P112817	1.88E-08	0.125	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1

A_55_P2085400	0.001585475	0.125	**Gpam**	glycerol-3-phosphate acyltransferase, mitochondrial
A_55_P1964483	5.17E-07	0.125	**Cyp2c37**	cytochrome P450, family 2. subfamily c, polypeptide 37
A_51_P465292	2.75E-06	0.125	**Hnmt**	histamine N-methyltransferase
A_51_P112817	1.12E-08	0.125	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P237585	2.19E-10	0.126	**Btnl9**	butyrophilin-like 9
A_51_P447785	0.000195619	0.126	**Cyp2c55**	cytochrome P450, family 2, subfamily c, polypeptide 55
A_51_P112817	6.85E-09	0.126	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_55_P2050778	0.002778407	0.127	**Gpam**	glycerol-3-phosphate acyltransferase, mitochondrial
A_55_P2095251	0.000474868	0.127	**Ell3**	elongation factor RNA polymerase II-like 3
A_55_P2178800	2.61E-09	0.127	**Ugt1a10**	UDP glycosyltransferase 1 family, polypeptide A10
A_55_P2043509	6.47E-06	0.127	**Hnmt**	histamine N-methyltransferase
A_55_P2129449	1.37E-06	0.127	**Sult3a1**	sulfotransferase family 3A, member 1
A_51_P112817	1.51E-08	0.128	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_51_P259571	1.38E-08	0.128	**Angptl6**	angiopoietin-like 6
A_55_P2048441	8.15E-08	0.128	**Syt3**	synaptotagmin III
A_55_P2116674	3.66E-05	0.128		
A_51_P103706	4.07E-08	0.128	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P419637	4.02E-07	0.128	**Dclk3**	doublecortin-like kinase 3
A_30_P0102625	0.00447491	0.129		
A_51_P103706	6.06E-08	0.129	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P244194	4.01E-08	0.130	**Cadm3**	cell adhesion molecule 3
A_55_P2080021	5.14E-07	0.130	**Papss2**	3'-phosphoadenosine 5'-phosphosulfate synthase 2
A_51_P503625	5.64E-09	0.130	**Gsta3**	glutathione S-transferase, alpha 3
A_55_P2006008	2.28E-05	0.130	**Serpinb1a**	serine (or cysteine) peptidase inhibitor, clade B, member 1a
A_51_P112817	1.10E-08	0.130	**Cyp27a1**	cytochrome P450, family 27, subfamily a, polypeptide 1
A_55_P2119969	9.87E-07	0.131	**Bdh2**	3-hydroxybutyrate dehydrogenase, type 2
A_55_P2028046	4.15E-06	0.131	**Cyp3a59**	cytochrome P450, subfamily 3A, polypeptide 59
A_55_P2102769	2.16E-06	0.131	**Abca8a**	ATP-binding cassette, sub-family A (ABC1), member 8a
A_55_P2023001	3.99E-08	0.131	**Slc47a1**	solute carrier family 47, member 1
A_51_P338262	4.29E-06	0.131	**Tnnt2**	troponin T2, cardiac
A_51_P103706	5.93E-08	0.132	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_55_P2101231	5.07E-09	0.132	**Aldh7a1**	aldehyde dehydrogenase family 7, member A1
A_51_P103706	4.66E-08	0.132	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P288341	4.30E-10	0.132	**Hpd**	4-hydroxyphenylpyruvic acid dioxygenase
A_51_P295896	3.95E-06	0.133	**4930452B06Rik**	RIKEN cDNA 4930452B06 gene
A_55_P2057070	9.34E-08	0.134	**Magix**	MAGI family member, X-linked
A_55_P2041723	6.10E-05	0.134	**Mid1ip1**	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))
A_51_P215475	2.24E-08	0.134	**Ptprb**	protein tyrosine phosphatase, receptor type, B
A_66_P104624	0.002931273	0.134	**4930509E16Rik**	RIKEN cDNA 4930509E16 gene
A_52_P286360	9.49E-11	0.134	**Otc**	ornithine transcarbamylase
A_55_P2318584	6.79E-05	0.135	**Aqp8**	aquaporin 8
A_52_P629748	3.01E-09	0.135		
A_52_P375323	2.22E-07	0.135	**Slc9a9**	solute carrier family 9 (sodium/hydrogen exchanger), member 9
A_55_P2164608	1.72E-05	0.135	**Gm5724**	predicted gene 5724
A_52_P153291	4.49E-05	0.135	**Ccrl1**	chemokine (C-C motif) receptor-like 1
A_55_P1988108	2.67E-07	0.136	**Mrc1**	mannose receptor, C type 1
A_55_P2094016	8.50E-08	0.136	**Slc17a4**	solute carrier family 17 (sodium phosphate), member 4
A_51_P103706	7.75E-08	0.136	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_52_P281702	1.29E-05	0.137	**Igfbp5**	insulin-like growth factor binding protein 5
A_51_P431737	2.85E-06	0.138	**Cth**	cystathionase (cystathionine gamma-lyase)
A_55_P2081116	0.000239017	0.138	**Fam89a**	family with sequence similarity 89, member A
A_55_P2143070	2.57E-07	0.138	**Ass1**	argininosuccinate synthetase 1
A_51_P298023	7.30E-11	0.139	**Ugt2a3**	UDP glucuronosyltransferase 2 family, polypeptide A3
A_51_P103706	5.26E-08	0.139	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P304109	1.89E-07	0.139	**Cyp2c39**	cytochrome P450, family 2, subfamily c, polypeptide 39
A_52_P35048	1.48E-10	0.139	**Serpinf1**	serine (or cysteine) peptidase inhibitor, clade F, member 1
A_55_P2095103	1.40E-07	0.139	**Gucy1a2**	guanylate cyclase 1, soluble, alpha 2
A_52_P163021	9.20E-08	0.140	**Slc17a8**	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8
A_51_P257885	2.10E-05	0.141	**Mmd2**	monocyte to macrophage differentiation-associated 2
A_51_P157083	4.33E-08	0.141	**Gas1**	growth arrest specific 1
A_51_P469951	0.000391417	0.141	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_55_P2186961	2.54E-07	0.141		
A_55_P2028029	8.11E-11	0.141	**Abcb11**	ATP-binding cassette, sub-family B (MDR/TAP), member 11
A_52_P40293	3.36E-09	0.142	**Hgd**	homogentisate 1, 2-dioxygenase
A_51_P103706	6.09E-08	0.142	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_51_P103706	9.14E-08	0.142	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_52_P382149	6.66E-08	0.142	**Cyp26a1**	cytochrome P450, family 26, subfamily a, polypeptide 1
A_55_P2071906	7.60E-07	0.142		
A_51_P103706	1.01E-07	0.143	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_55_P2104532	4.97E-06	0.143	**Acacb**	acetyl-Coenzyme A carboxylase beta
A_55_P1981195	3.33E-05	0.143		
A_55_P2263053	3.96E-10	0.144	**Hal**	histidine ammonia lyase
A_55_P2080774	5.65E-07	0.144	**Qdpr**	quinoid dihydropteridine reductase
A_51_P103706	1.67E-07	0.144	**Cyp2c29**	cytochrome P450, family 2, subfamily c, polypeptide 29
A_52_P423174	2.56E-05	0.145	**Acaa1b**	acetyl-Coenzyme A acyltransferase 1B
A_55_P1959923	3.22E-06	0.145	**Cth**	cystathionase (cystathionine gamma-lyase)
A_55_P2303972	1.05E-05	0.145	**LOC100503880**	hypothetical protein LOC100503880
A_51_P286357	3.04E-05	0.146	**Emr4**	EGF-like module containing, mucin-like, hormone receptor-like sequence 4
A_55_P2065231	9.42E-07	0.146	**Gstm3**	glutathione S-transferase, mu 3
A_52_P256914	1.24E-06	0.146	**Cyp2b9**	cytochrome P450, family 2, subfamily b, polypeptide 9
A_66_P121480	1.11E-08	0.146	**Sardh**	sarcosine dehydrogenase
A_55_P2112986	0.000158966	0.147	**Klk1b22**	kallikrein 1-related peptidase b22
A_55_P2099952	1.20E-05	0.147	**Car1**	carbonic anhydrase 1
A_52_P669005	8.47E-09	0.148	**Lrat**	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)
A_65_P02177	9.94E-07	0.148	**Gstm4**	glutathione S-transferase, mu 4
A_55_P1966432	1.59E-07	0.149	**Gstm1**	glutathione S-transferase, mu 1
A_55_P2034531	5.71E-08	0.150		
A_51_P186547	1.06E-09	0.150	**Pah**	phenylalanine hydroxylase
A_55_P2364738	6.15E-06	0.151	**Plxdc1**	plexin domain containing 1
A_51_P244950	9.43E-09	0.151	**Dpys**	dihydropyrimidinase
A_55_P2110062	2.17E-05	0.152		
A_52_P150950	2.09E-06	0.152	**Olfm3**	olfactomedin 3
A_55_P2020428	0.00011835	0.152	**BC014805**	cDNA sequence BC014805
A_55_P2303310	0.000312798	0.153	**C730036E19Rik**	RIKEN cDNA C730036E19 gene
A_51_P155977	1.21E-08	0.153	**Clec14a**	C-type lectin domain family 14, member a
A_52_P16752	1.77E-06	0.154	**Aox3**	aldehyde oxidase 3
A_55_P2274378	3.95E-05	0.154	**AW549542**	expressed sequence AW549542
A_55_P2055423	2.93E-07	0.156	**Nat8b**	N-acetyltransferase 8B
A_55_P1991560	0.000126803	0.156	**Lilra5**	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5
A_51_P191611	1.74E-09	0.156	**Cat**	catalase
A_52_P681557	7.95E-05	0.156		
A_55_P2139087	3.12E-08	0.156	**Gm5631**	predicted gene 5631
A_55_P2142146	2.75E-08	0.156	**Glul**	glutamate-ammonia ligase (glutamine synthetase)
A_30_P0102139	6.47E-06	0.157		
A_51_P375969	2.36E-10	0.157	**Ces1d**	carboxylesterase 1D
A_51_P249302	4.42E-05	0.157	**Abcd2**	ATP-binding cassette, sub-family D (ALD), member 2
A_66_P108810	6.24E-09	0.158	**Reln**	reelin
A_51_P272993	1.37E-06	0.158	**Ntm**	neurotrimin
A_55_P2033393	3.09E-07	0.158	**Slc25a21**	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21

A_51_P295034	0.000104704	0.158	**Klk1b4**	kallikrein 1-related pepidase b4
A_55_P2065059	9.93E-07	0.159	**Wnt2**	wingless-related MMTV integration site 2
A_55_P2004781	2.18E-07	0.159	**Ass1**	argininosuccinate synthetase 1
A_55_P2004532	7.33E-06	0.160	**C530028O21Rik**	RIKEN cDNA C530028O21 gene
A_55_P2062250	8.77E-08	0.160	**Gm5524**	predicted gene 5524
A_51_P277431	1.58E-05	0.160	**Ccdc3**	coiled-coil domain containing 3
A_55_P2007816	9.09E-05	0.160	**Mup4**	major urinary protein 4
A_55_P2120931	9.59E-06	0.160	**Dleu2**	deleted in lymphocytic leukemia, 2
A_55_P1966690	7.84E-07	0.161	**Cyp2e1**	cytochrome P450, family 2, subfamily e, polypeptide 1
A_52_P550147	1.41E-07	0.161	**Sned1**	sushi, nidogen and EGF-like domains 1
A_51_P137452	0.000572022	0.161	**Cyp2g1**	cytochrome P450, family 2, subfamily g, polypeptide 1
A_51_P453043	0.000544128	0.161	**Aacs**	acetoacetyl-CoA synthetase
A_51_P497768	9.31E-09	0.162	**Gpat2**	glycerol-3-phosphate acyltransferase 2, mitochondrial
A_51_P110471	1.26E-07	0.162	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P136337	1.69E-10	0.162	**Galm**	galactose mutarotase
A_52_P554382	1.77E-05	0.163		
A_55_P2043627	8.35E-05	0.163	**Fam89a**	family with sequence similarity 89, member A
A_51_P110471	3.17E-07	0.163	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_55_P2059820	3.50E-08	0.163	**Aadat**	aminoadipate aminotransferase
A_51_P110471	1.66E-07	0.164	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P453909	1.11E-09	0.164	**Cyp2f2**	cytochrome P450, family 2, subfamily f, polypeptide 2
A_52_P543079	5.01E-06	0.164	**Dhtkd1**	dehydrogenase E1 and transketolase domain containing 1
A_51_P110471	2.27E-07	0.164	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P110471	5.25E-07	0.165	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P247184	1.45E-07	0.165	**Npr3**	natriuretic peptide receptor 3
A_51_P307168	9.16E-09	0.166	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P110471	1.98E-07	0.166	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_51_P379478	0.000781895	0.166	**Nckap5**	NCK-associated protein 5
A_51_P110471	1.51E-07	0.166	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_30_P0102835	3.98E-05	0.167		
A_55_P1998115	5.33E-08	0.167	**Klkb1**	kallikrein B, plasma 1
A_51_P110471	2.88E-07	0.167	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_55_P2094019	4.55E-10	0.167	**Slc17a4**	solute carrier family 17 (sodium phosphate), member 4
A_51_P363905	1.75E-07	0.168	**Slc25a23**	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23
A_52_P522372	2.43E-09	0.168	**Aard**	alanine and arginine rich domain containing protein
A_51_P295085	1.83E-06	0.168	**Ogn**	osteoglycin
A_51_P462428	1.20E-06	0.168	**Galntl2**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2
A_55_P2143688	3.94E-06	0.168	**Ntm**	neurotrimin
A_51_P110471	4.01E-07	0.169	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_30_P0101990	3.47E-07	0.169		
A_52_P161297	8.37E-08	0.169	**Tcea3**	transcription elongation factor A (SII), 3
A_55_P1952628	7.58E-07	0.169	**Dpys**	dihydropyrimidinase
A_55_P2031676	8.86E-06	0.170	**Gstm6**	glutathione S-transferase, mu 6
A_51_P110471	6.71E-08	0.171	**Ddah1**	dimethylarginine dimethylaminohydrolase 1
A_52_P412506	3.01E-07	0.171	**Mup5**	major urinary protein 5
A_55_P2320313	3.26E-07	0.171	**LOC100502627**	hypothetical LOC100502627
A_55_P2033500	2.14E-09	0.171	**Ltbp4**	latent transforming growth factor beta binding protein 4
A_51_P299149	0.000180983	0.171	**Gpx6**	glutathione peroxidase 6
A_55_P2209046	1.98E-07	0.172	**B830008H07Rik**	RIKEN cDNA B830008H07 gene
A_55_P2011300	5.76E-09	0.172	**Fggy**	FGGY carbohydrate kinase domain containing
A_66_P109802	9.56E-08	0.172	**Ces3b**	carboxylesterase 3B
A_55_P2024841	3.27E-09	0.172	**Gstt1**	glutathione S-transferase, theta 1
A_55_P1999082	1.57E-08	0.172	**Clec14a**	C-type lectin domain family 14, member a
A_55_P2139402	6.95E-12	0.172	**Amy2a5**	amylase 2a5
A_30_P0101954	4.36E-05	0.173		
A_55_P2056729	0.000419328	0.174	**Igfbp2**	insulin-like growth factor binding protein 2
A_52_P629895	4.66E-09	0.174	**Adh1**	alcohol dehydrogenase 1 (class I)
A_51_P291749	1.41E-07	0.174	**Pecr**	peroxisomal trans-2-enoyl-CoA reductase
A_55_P2089500	3.25E-06	0.175	**Cyp4f40**	cytochrome P450, family 4, subfamily f, polypeptide 40
A_51_P110341	0.000291723	0.175	**Scgb3a1**	secretoglobin, family 3A, member 1
A_51_P290074	1.36E-05	0.175	**Fabp7**	fatty acid binding protein 7, brain
A_51_P382764	4.47E-08	0.175	**Akr1c20**	aldo-keto reductase family 1, member C20
A_55_P1983418	1.15E-09	0.175	**Amy1**	amylase 1, salivary
A_52_P89335	6.13E-07	0.176	**Tmie**	transmembrane inner ear
A_51_P331429	0.000327802	0.176	**Glt25d2**	glycosyltransferase 25 domain containing 2
A_52_P259817	4.26E-06	0.176	**Upp2**	uridine phosphorylase 2
A_55_P2169124	1.60E-06	0.177	**C730048C13Rik**	RIKEN cDNA C730048C13 gene
A_55_P2148071	0.00153801	0.177		
A_51_P393654	1.85E-05	0.177	**Fam171b**	family with sequence similarity 171, member B
A_55_P1977144	1.33E-06	0.178	**Cyp2c67**	cytochrome P450, family 2, subfamily c, polypeptide 67
A_52_P305230	0.00045247	0.178	**Igsf21**	immunoglobin superfamily, member 21
A_30_P0102003	3.01E-06	0.178		
A_55_P2059412	6.24E-09	0.178	**Ghr**	growth hormone receptor
A_55_P2093770	3.43E-06	0.179		
A_55_P2136847	4.50E-07	0.179	**Slc1a2**	solute carrier family 1 (glial high affinity glutamate transporter), member 2
A_52_P671794	3.07E-05	0.179	**Plscr4**	phospholipid scramblase 4
A_55_P2412349	1.74E-08	0.179	**AW111846**	expressed sequence AW111846
A_55_P2050628	5.85E-07	0.180	**Cyp4a31**	cytochrome P450, family 4, subfamily a, polypeptide 31
A_51_P169087	7.78E-08	0.180	**Gls2**	glutaminase 2 (liver, mitochondrial)
A_55_P1972040	0.001874429	0.181	**Nox4**	NADPH oxidase 4
A_51_P267063	2.85E-09	0.181	**Ugt3a2**	UDP glycosyltransferases 3 family, polypeptide A2
A_55_P2146495	1.09E-05	0.181		
A_55_P2024046	4.01E-05	0.182	**Slc16a5**	solute carrier family 16 (monocarboxylic acid transporters), member 5
A_51_P302566	5.16E-09	0.182	**Maob**	monoamine oxidase B
A_51_P108659	1.60E-11	0.182	**Pon1**	paraoxonase 1
A_55_P2074035	3.91E-08	0.182	**Haao**	3-hydroxyanthranilate 3,4-dioxygenase
A_51_P446825	1.24E-05	0.183	**6430573F11Rik**	RIKEN cDNA 6430573F11 gene
A_51_P452779	5.37E-08	0.183	**Pygl**	liver glycogen phosphorylase
A_55_P2293013	3.97E-07	0.183	**Ces2a**	carboxylesterase 2A
A_52_P118706	9.07E-07	0.184		
A_55_P2022181	1.76E-08	0.184	**Arvcf**	armadillo repeat gene deleted in velo-cardio-facial syndrome
A_51_P206225	1.05E-08	0.185	**Uroc1**	urocanase domain containing 1
A_51_P481679	1.62E-06	0.185	**Angptl3**	angiopoietin-like 3
A_55_P1961130	1.85E-05	0.186	**Egfem1**	EGF-like and EMI domain containing 1
A_66_P135391	0.00043167	0.186	**Igfbp2**	insulin-like growth factor binding protein 2
A_55_P1955147	1.98E-09	0.186	**Camk1d**	calcium/calmodulin-dependent protein kinase ID
A_51_P165451	2.70E-08	0.186	**Pbld2**	phenazine biosynthesis-like protein domain containing 2
A_51_P393518	1.89E-05	0.186	**Hmcn1**	hemicentin 1
A_51_P363871	8.69E-06	0.186	**March2**	membrane-associated ring finger (C3HC4) 2
A_51_P483159	2.48E-09	0.187	**Gchfr**	GTP cyclohydrolase I feedback regulator
A_52_P557240	2.01E-08	0.187	**Ugt3a2**	UDP glycosyltransferases 3 family, polypeptide A2
A_55_P2008651	1.06E-06	0.188	**Qdpr**	quinoid dihydropteridine reductase
A_51_P110341	0.000170421	0.188	**Scgb3a1**	secretoglobin, family 3A, member 1
A_51_P400463	4.02E-09	0.188	**Agmat**	agmatine ureohydrolase (agmatinase)
A_51_P110341	1.40E-05	0.188	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P2023191	5.42E-07	0.188	**Polg2**	polymerase (DNA directed), gamma 2, accessory subunit
A_30_P0102855	5.78E-06	0.188		
A_52_P73552	0.003750914	0.189	**A1bg**	alpha-1-B glycoprotein
A_51_P213691	2.05E-07	0.189	**Scnn1a**	sodium channel, nonvoltage-gated 1 alpha

A_52_P407035	3.04E-06	0.189	**P2ry4**	pyrimidinergic receptor P2Y, G-protein coupled, 4
A_55_P2157225	2.33E-08	0.190	**Nqo2**	NAD(P)H dehydrogenase, quinone 2
A_52_P236448	2.69E-06	0.190	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P336952	3.45E-08	0.191	**Cryl1**	crystallin, lambda 1
A_55_P2114863	3.45E-08	0.191	**Mgll**	monoglyceride lipase
A_55_P2018061	1.01E-06	0.191	**Cd209a**	CD209a antigen
A_55_P2011111	2.89E-06	0.191	**Cyp4a10**	cytochrome P450, family 4, subfamily a, polypeptide 10
A_51_P108659	4.35E-10	0.191	**Pon1**	paraoxonase 1
A_51_P108659	9.93E-10	0.191	**Pon1**	paraoxonase 1
A_55_P2121956	0.001089116	0.191	**Gck**	glucokinase
A_55_P2063312	5.70E-08	0.192	**Mgll**	monoglyceride lipase
A_55_P2048368	2.38E-09	0.192	**Fggy**	FGGY carbohydrate kinase domain containing
A_52_P562612	1.73E-05	0.192		
A_55_P2293414	4.08E-09	0.192	**1700001C19Rik**	RIKEN cDNA 1700001C19 gene
A_51_P254895	4.18E-06	0.193	**Cyp4a10**	cytochrome P450, family 4, subfamily a, polypeptide 10
A_55_P2418311	0.000327165	0.193	**AU021884**	expressed sequence AU021884
A_55_P2024033	4.63E-07	0.193	**Cyp4a31**	cytochrome P450, family 4, subfamily a, polypeptide 31
A_51_P327874	4.98E-08	0.193	**Pth1r**	parathyroid hormone 1 receptor
A_51_P497661	1.23E-06	0.193	**Ntn4**	netrin 4
A_55_P2075127	0.000817617	0.193	**Pax2**	paired box gene 2
A_55_P2159585	1.28E-07	0.193	**Pm20d1**	peptidase M20 domain containing 1
A_51_P173107	0.000323953	0.193	**1810046K07Rik**	RIKEN cDNA 1810046K07 gene
A_51_P121915	6.31E-09	0.193	**BC089597**	cDNA sequence BC089597
A_51_P108659	4.87E-11	0.194	**Pon1**	paraoxonase 1
A_55_P2051656	1.51E-05	0.194	**Shank2**	SH3/ankyrin domain gene 2
A_52_P141136	7.61E-09	0.194	**Fggy**	FGGY carbohydrate kinase domain containing
A_55_P2228122	5.60E-07	0.195	**BC024137**	cDNA sequence BC024137
A_52_P236448	1.05E-06	0.195	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P110341	1.22E-05	0.195	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P2056473	2.33E-06	0.195	**Spc24**	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)
A_55_P2028798	1.80E-08	0.195	**Nqo2**	NAD(P)H dehydrogenase, quinone 2
A_55_P2126951	1.58E-07	0.196	**Zfp467**	zinc finger protein 467
A_52_P236448	2.80E-06	0.196	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P108659	1.13E-10	0.196	**Pon1**	paraoxonase 1
A_51_P279183	1.11E-05	0.196	**Dak**	dihydroxyacetone kinase 2 homolog (yeast)
A_51_P121915	1.13E-08	0.196	**BC089597**	cDNA sequence BC089597
A_66_P128918	4.28E-06	0.196	**Hacl1**	2-hydroxyacyl-CoA lyase 1
A_51_P389539	1.31E-06	0.196	**Gpr98**	G protein-coupled receptor 98
A_51_P108659	5.63E-11	0.197	**Pon1**	paraoxonase 1
A_51_P121915	1.05E-08	0.197	**BC089597**	cDNA sequence BC089597
A_55_P1973159	2.89E-10	0.197	**Serpinf1**	serine (or cysteine) peptidase inhibitor, clade F, member 1
A_51_P176352	4.75E-10	0.198	**Ndrg2**	N-myc downstream regulated gene 2
A_55_P2046657	4.43E-09	0.198	**Dio1**	deiodinase, iodothyronine, type I
A_55_P2110497	7.22E-07	0.198	**Ddc**	dopa decarboxylase
A_55_P2108599	9.02E-06	0.198	**Tlcd1**	TLC domain containing 1
A_55_P2298319	6.34E-08	0.198	**C730029A08Rik**	RIKEN cDNA C730029A08 gene
A_51_P499854	1.05E-08	0.198	**Ghr**	growth hormone receptor
A_55_P2289819	0.003770717	0.198	**Cd163**	CD163 antigen
A_52_P673499	7.47E-09	0.198	**Shmt1**	serine hydroxymethyltransferase 1 (soluble)
A_55_P2002849	2.85E-08	0.198	**Aifm3**	apoptosis-inducing factor, mitochondrion-associated 3
A_52_P198239	1.74E-07	0.198	**Ube2u**	ubiquitin-conjugating enzyme E2U (putative)
A_51_P121915	7.43E-09	0.199	**BC089597**	cDNA sequence BC089597
A_55_P2031692	1.68E-05	0.199	**Gstm6**	glutathione S-transferase, mu 6
A_55_P2098100	0.000227022	0.199	**Arhgef9**	CDC42 guanine nucleotide exchange factor (GEF) 9
A_51_P108659	3.01E-11	0.199	**Pon1**	paraoxonase 1
A_51_P482051	0.001015629	0.199	**Cyp3a16**	cytochrome P450, family 3, subfamily a, polypeptide 16
A_55_P2091116	4.04E-05	0.199	**Kbtbd12**	kelch repeat and BTB (POZ) domain containing 12
A_51_P229655	3.58E-07	0.199	**Acsm5**	acyl-CoA synthetase medium-chain family member 5
A_51_P121915	1.02E-08	0.199	**BC089597**	cDNA sequence BC089597
A_51_P121915	3.66E-09	0.199	**BC089597**	cDNA sequence BC089597
A_55_P2086143	2.53E-07	0.200	**Cyp39a1**	cytochrome P450, family 39, subfamily a, polypeptide 1
A_51_P121915	3.44E-09	0.200	**BC089597**	cDNA sequence BC089597
A_55_P2001474	6.41E-05	0.200	**Klk1b26**	kallikrein 1-related petidase b26
A_55_P2159264	0.000140751	0.200	**Lifr**	leukemia inhibitory factor receptor
A_55_P2044207	1.19E-07	0.200	**Bphl**	biphenyl hydrolase-like (serine hydrolase, breast epithelial mucin-associated antigen)
A_51_P401184	4.71E-09	0.200	**Rarres1**	retinoic acid receptor responder (tazarotene induced) 1
A_52_P493477	0.000377728	0.200	**Serpinb1c**	serine (or cysteine) peptidase inhibitor, clade B, member 1c
A_55_P2044232	7.83E-07	0.200	**Slc10a5**	solute carrier family 10 (sodium/bile acid cotransporter family), member 5
A_52_P458279	1.89E-07	0.201	**Prlr**	prolactin receptor
A_51_P331328	1.02E-09	0.201	**Gpihbp1**	GPI-anchored HDL-binding protein 1
A_52_P327156	6.42E-05	0.201	**0610008F07Rik**	RIKEN cDNA 0610008F07 gene
A_55_P2190299	2.82E-08	0.201	**Fggy**	FGGY carbohydrate kinase domain containing
A_51_P121915	1.36E-08	0.202	**BC089597**	cDNA sequence BC089597
A_51_P215077	4.75E-07	0.202	**Mgst3**	microsomal glutathione S-transferase 3
A_55_P1997465	0.000187376	0.202	**Ggnbp1**	gametogenetin binding protein 1
A_52_P527822	2.10E-06	0.202	**Slc22a3**	solute carrier family 22 (organic cation transporter), member 3
A_65_P06029	1.01E-06	0.202	**Fam171b**	family with sequence similarity 171, member B
A_55_P2031671	3.28E-05	0.202	**Gstm6**	glutathione S-transferase, mu 6
A_51_P198675	8.32E-08	0.203	**Ttc36**	tetratricopeptide repeat domain 36
A_51_P308298	2.67E-06	0.203	**Myl9**	myosin, light polypeptide 9, regulatory
A_52_P59681	8.22E-10	0.203	**Hrsp12**	heat-responsive protein 12
A_55_P2148873	4.42E-09	0.203	**Cat**	catalase
A_52_P679105	2.09E-06	0.203	**Prss23**	protease, serine, 23
A_52_P236448	2.57E-06	0.204	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_55_P2038362	0.000439251	0.204	**Acot5**	acyl-CoA thioesterase 5
A_55_P2041708	2.59E-07	0.204	**Gas2**	growth arrest specific 2
A_52_P236448	1.71E-06	0.204	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_55_P1978186	3.53E-09	0.204	**BC089597**	cDNA sequence BC089597
A_55_P2305420	0.000938108	0.204	**D9Wsu90e**	DNA segment, Chr 9, Wayne State University 90, expressed
A_52_P508991	1.63E-08	0.204	**Fmo1**	flavin containing monooxygenase 1
A_52_P467232	9.82E-10	0.204	**Il1rap**	interleukin 1 receptor accessory protein
A_55_P2062190	4.59E-07	0.204	**Gstm1**	glutathione S-transferase, mu 1
A_30_P0102228	4.92E-09	0.205		
A_55_P2014114	1.76E-08	0.205		
A_55_P2092030	1.14E-06	0.205	**Cyp4a10**	cytochrome P450, family 4, subfamily a, polypeptide 10
A_52_P236448	2.58E-06	0.205	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P121915	4.50E-09	0.205	**BC089597**	cDNA sequence BC089597
A_55_P1953919	0.000117713	0.205	**Me3**	malic enzyme 3, NADP(+)-dependent, mitochondrial
A_52_P63905	3.64E-08	0.206	**Ddc**	dopa decarboxylase
A_52_P236448	9.80E-06	0.206	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P446570	1.10E-09	0.206	**Bbox1**	butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (gamma-butyrobetaine hydroxylase)
A_51_P426994	0.000942151	0.206	**Nars2**	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative)
A_52_P48569	1.91E-09	0.206	**Slc38a4**	solute carrier family 38, member 4
A_51_P126337	1.85E-06	0.206	**Fgf12**	fibroblast growth factor 12
A_51_P108659	1.91E-09	0.207	**Pon1**	paraoxonase 1
A_51_P108659	2.47E-10	0.207	**Pon1**	paraoxonase 1
A_55_P2168722	1.15E-06	0.208	**Fmo5**	flavin containing monooxygenase 5
A_51_P267933	0.002804858	0.208	**Snhg11**	small nucleolar RNA host gene 11
A_55_P2015495	2.94E-08	0.208	**Abat**	4-aminobutyrate aminotransferase

A_55_P2157586	4.04E-08	0.208		
A_51_P505493	1.55E-06	0.209	**Elovl5**	ELOVL family member 5, elongation of long chain fatty acids (yeast)
A_55_P2160686	0.000230974	0.209	**Tsc22d1**	TSC22 domain family, member 1
A_52_P853177	2.27E-05	0.209	**Angptl2**	angiopoietin-like 2
A_52_P236448	4.13E-06	0.209	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_52_P236448	1.79E-06	0.209	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P158638	1.13E-07	0.209		
A_51_P475138	7.35E-08	0.210	**Duox1**	dual oxidase 1
A_55_P2151556	8.51E-10	0.211	**C8g**	complement component 8, gamma polypeptide
A_55_P2032478	1.38E-06	0.211		
A_52_P243516	2.40E-06	0.211	**Fam82a1**	family with sequence similarity 82, member A1
A_51_P121915	1.67E-08	0.211	**BC089597**	cDNA sequence BC089597
A_55_P2099594	0.000446759	0.211	**Scd3**	stearoyl-coenzyme A desaturase 3
A_51_P352738	0.000104173	0.211	**Mpv17l**	Mpv17 transgene, kidney disease mutant-like
A_51_P463452	9.79E-08	0.212	**Acsl1**	acyl-CoA synthetase long-chain family member 1
A_55_P2135039	6.04E-06	0.212	**Hyi**	hydroxypyruvate isomerase homolog (E. coli)
A_55_P2001481	8.43E-05	0.213	**Pde6c**	phosphodiesterase 6C, cGMP specific, cone, alpha prime
A_55_P1963724	1.07E-07	0.214		
A_55_P2207055	9.21E-07	0.214	**Btnl9**	butyrophilin-like 9
A_55_P2081697	2.93E-05	0.214	**A830093I24Rik**	RIKEN cDNA A830093I24 gene
A_51_P330044	1.53E-06	0.214	**Cyp2j9**	cytochrome P450, family 2, subfamily j, polypeptide 9
A_55_P1953301	1.15E-08	0.214	**Sord**	sorbitol dehydrogenase
A_51_P141535	8.20E-07	0.215	**Oat**	ornithine aminotransferase
A_55_P2040245	0.00020518	0.215	**Fam38b**	family with sequence similarity 38, member B
A_30_P0102264	3.05E-05	0.215		
A_51_P429366	0.0004834	0.215	**Hes6**	hairy and enhancer of split 6 (Drosophila)
A_52_P339742	2.85E-05	0.215	**Cyb5r3**	cytochrome b5 reductase 3
A_55_P2153740	6.21E-06	0.216		
A_55_P2028837	0.000298844	0.216	**Tspan2**	tetraspanin 2
A_51_P475138	5.08E-08	0.216	**Duox1**	dual oxidase 1
A_55_P2070976	2.96E-08	0.216		
A_51_P283876	1.59E-07	0.216	**Bphl**	biphenyl hydrolase-like (serine hydrolase, breast epithelial mucin-associated antigen)
A_51_P126337	1.13E-05	0.216	**Fgf12**	fibroblast growth factor 12
A_51_P493117	5.59E-06	0.216	**Slc16a9**	solute carrier family 16 (monocarboxylic acid transporters), member 9
A_55_P2070510	3.30E-05	0.216	**Gas1**	growth arrest specific 1
A_55_P1952399	2.07E-06	0.217	**Cyp4a31**	cytochrome P450, family 4, subfamily a, polypeptide 31
A_66_P130115	4.73E-06	0.217	**Fads2**	fatty acid desaturase 2
A_55_P2051738	0.000108549	0.217	**Lcn8**	lipocalin 8
A_51_P108659	1.44E-10	0.217	**Pon1**	paraoxonase 1
A_55_P2150831	7.83E-06	0.217	**Cdh4**	cadherin 4
A_55_P1965975	3.55E-06	0.217	**Kynu**	kynureninase (L-kynurenine hydrolase)
A_55_P2012439	2.74E-06	0.217	**Tnfrsf19**	tumor necrosis factor receptor superfamily, member 19
A_51_P290626	7.85E-09	0.218	**Gulo**	gulonolactone (L-) oxidase
A_52_P488427	5.71E-09	0.218	**Sec14l2**	SEC14-like 2 (S. cerevisiae)
A_55_P2059640	9.07E-08	0.218	**Abhd14b**	abhydrolase domain containing 14b
A_55_P1952577	0.000447565	0.218	**Ces1a**	carboxylesterase 1A
A_55_P2085806	1.40E-06	0.218	**BC029214**	cDNA sequence BC029214
A_55_P2279957	4.06E-09	0.218	**5730414N17Rik**	RIKEN cDNA 5730414N17 gene
A_51_P445841	2.25E-06	0.218	**Deptor**	DEP domain containing MTOR-interacting protein
A_51_P140803	2.78E-09	0.218	**Slco1b2**	solute carrier organic anion transporter family, member 1b2
A_52_P236448	8.63E-06	0.218	**Ngfr**	nerve growth factor receptor (TNFR superfamily, member 16)
A_51_P475138	2.06E-07	0.219	**Duox1**	dual oxidase 1
A_51_P475138	3.63E-08	0.219	**Duox1**	dual oxidase 1
A_51_P272147	6.06E-07	0.219	**Fam158a**	family with sequence similarity 158, member A
A_51_P403477	1.13E-08	0.219	**Dio1**	deiodinase, iodothyronine, type I
A_30_P0102841	3.29E-07	0.220		
A_30_P0102644	2.20E-05	0.220		
A_51_P475138	2.70E-08	0.221	**Duox1**	dual oxidase 1
A_55_P2143251	2.46E-05	0.221		
A_51_P249360	2.03E-08	0.221	**Suox**	sulfite oxidase
A_55_P2054854	1.41E-06	0.221	**Art4**	ADP-ribosyltransferase 4
A_51_P337195	1.84E-08	0.221	**Pipox**	pipecolic acid oxidase
A_55_P2038514	0.000113059	0.221		
A_51_P475138	4.85E-09	0.222	**Duox1**	dual oxidase 1
A_52_P298002	7.85E-06	0.222	**Gch1**	GTP cyclohydrolase 1
A_55_P2039429	3.17E-08	0.223	**Dio1**	deiodinase, iodothyronine, type I
A_51_P289742	1.77E-09	0.223	**Slc27a5**	solute carrier family 27 (fatty acid transporter), member 5
A_51_P464394	2.38E-08	0.224	**Klb**	klotho beta
A_51_P333923	0.000110557	0.224	**Tspan1**	tetraspanin 1
A_51_P153170	1.59E-05	0.224	**Cyb5r3**	cytochrome b5 reductase 3
A_51_P283473	1.76E-07	0.224	**Fibin**	fin bud initiation factor homolog (zebrafish)
A_55_P2007919	3.43E-07	0.225	**Akr1c19**	aldo-keto reductase family 1, member C19
A_55_P2085761	7.35E-07	0.225	**Calr3**	calreticulin 3
A_51_P475138	1.01E-08	0.225	**Duox1**	dual oxidase 1
A_55_P2063316	3.02E-08	0.226	**Mgll**	monoglyceride lipase
A_30_P0102616	1.84E-06	0.227		
A_51_P475138	1.10E-08	0.228	**Duox1**	dual oxidase 1
A_55_P2159573	4.64E-08	0.228	**Reep6**	receptor accessory protein 6
A_66_P107437	5.85E-07	0.228	**Sfxn5**	sideroflexin 5
A_51_P512172	2.22E-08	0.228	**Tet1**	tet oncogene 1
A_55_P2056493	2.53E-05	0.229		
A_51_P475138	6.45E-08	0.229	**Duox1**	dual oxidase 1
A_55_P1970846	1.24E-07	0.229	**Pemt**	phosphatidylethanolamine N-methyltransferase
A_55_P1987620	8.34E-06	0.229	**Cyp4a32**	cytochrome P450, family 4, subfamily a, polypeptide 32
A_52_P215170	7.77E-09	0.229	**Acot4**	acyl-CoA thioesterase 4
A_55_P2056926	6.25E-08	0.229	**Mtss1l**	metastasis suppressor 1-like
A_51_P127297	1.86E-09	0.229	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_51_P181319	5.10E-07	0.229	**Dcxr**	dicarbonyl L-xylulose reductase
A_55_P1983944	8.87E-06	0.229	**Tmem44**	transmembrane protein 44
A_55_P2077920	2.19E-05	0.229	**Naaladl2**	N-acetylated alpha-linked acidic dipeptidase-like 2
A_30_P0102421	0.000482615	0.230		
A_55_P2178801	2.99E-07	0.230	**Ugt1a10**	UDP glycosyltransferase 1 family, polypeptide A10
A_55_P2026275	4.09E-06	0.230	**Ppp1r1b**	protein phosphatase 1, regulatory (inhibitor) subunit 1B
A_52_P131353	9.04E-10	0.230	**Camk1d**	calcium/calmodulin-dependent protein kinase ID
A_52_P353417	2.04E-10	0.231	**Gm2a**	GM2 ganglioside activator protein
A_55_P2124016	7.09E-07	0.232	**Nipsnap1**	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)
A_52_P204331	0.000211935	0.232	**D630039A03Rik**	RIKEN cDNA D630039A03 gene
A_52_P118560	1.37E-07	0.232	**Kynu**	kynureninase (L-kynurenine hydrolase)
A_55_P2060243	1.60E-05	0.232	**Itgbl1**	integrin, beta-like 1
A_51_P341918	0.000323391	0.232	**Tsc22d1**	TSC22 domain family, member 1
A_51_P496432	5.29E-07	0.232	**Acsl1**	acyl-CoA synthetase long-chain family member 1
A_55_P2056342	1.61E-06	0.232	**Mgst3**	microsomal glutathione S-transferase 3
A_55_P2026340	6.62E-06	0.232	**Fmo5**	flavin containing monooxygenase 5
A_51_P358112	1.54E-06	0.233	**Fads1**	fatty acid desaturase 1
A_51_P406165	3.40E-07	0.233	**Fam55b**	family with sequence similarity 55, member B
A_51_P348665	4.20E-06	0.234	**Ramp1**	receptor (calcitonin) activity modifying protein 1
A_51_P394172	1.38E-08	0.234	**Ces1c**	carboxylesterase 1C
A_51_P438859	1.30E-05	0.234	**Pmf1**	polyamine-modulated factor 1
A_51_P161830	8.19E-08	0.234	**Enpep**	glutamyl aminopeptidase

A_30_P0102322	4.05E-05	0.235		
A_55_P2136776	2.54E-06	0.235	**Sult1b1**	sulfotransferase family 1B, member 1
A_55_P2108248	8.38E-06	0.236	**Art4**	ADP-ribosyltransferase 4
A_51_P174645	1.83E-07	0.237	**Asl**	argininosuccinate lyase
A_51_P413147	6.45E-05	0.237	**Klk1b3**	kallikrein 1-related peptidase b3
A_55_P2016667	1.88E-06	0.237	**Gstm7**	glutathione S-transferase, mu 7
A_51_P475138	7.57E-08	0.237	**Duox1**	dual oxidase 1
A_55_P2037717	1.02E-07	0.238	**Slc22a18**	solute carrier family 22 (organic cation transporter), member 18
A_51_P224042	0.001274734	0.238	**Ppil6**	peptidylprolyl isomerase (cyclophilin)-like 6
A_51_P116932	0.000500341	0.238	**Lad1**	ladinin
A_52_P223704	1.24E-08	0.238	**Faah**	fatty acid amide hydrolase
A_55_P1967295	2.80E-08	0.238	**Pemt**	phosphatidylethanolamine N-methyltransferase
A_55_P2171406	4.59E-06	0.238	**Tm7sf2**	transmembrane 7 superfamily member 2
A_66_P125828	7.20E-09	0.238		
A_51_P360918	1.21E-07	0.238	**Ehd3**	EH-domain containing 3
A_51_P331003	1.33E-07	0.239	**Sema4g**	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G
A_55_P2038358	0.001505048	0.239	**Acot1**	acyl-CoA thioesterase 1
A_51_P127297	4.92E-09	0.239	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_55_P2198983	3.05E-06	0.239	**4930415C11Rik**	RIKEN cDNA 4930415C11 gene
A_55_P2087066	1.16E-06	0.239	**Slc25a10**	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10
A_51_P418056	8.86E-06	0.239	**Sc5d**	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisae)
A_51_P126337	0.000249089	0.239	**Fgf12**	fibroblast growth factor 12
A_52_P288251	5.70E-07	0.240	**Tmem204**	transmembrane protein 204
A_51_P126337	1.98E-05	0.240	**Fgf12**	fibroblast growth factor 12
A_55_P2100155	1.56E-06	0.240	**Mapt**	microtubule-associated protein tau
A_55_P2021177	1.45E-07	0.240	**Abca2**	ATP-binding cassette, sub-family A (ABC1), member 2
A_55_P2034491	0.000109497	0.240		
A_52_P251699	4.29E-08	0.240	**Prodh2**	proline dehydrogenase (oxidase) 2
A_55_P2056496	4.33E-06	0.240	**Tk1**	thymidine kinase 1
A_66_P100419	2.24E-05	0.240	**Rpl7a-ps8**	ribosomal protein L7A, pseudogene 8
A_51_P263993	7.51E-08	0.241	**Lipc**	lipase, hepatic
A_52_P9703	1.04E-05	0.241	**Cyp2a4**	cytochrome P450, family 2, subfamily a, polypeptide 4
A_51_P126337	0.000105974	0.242	**Fgf12**	fibroblast growth factor 12
A_55_P2108609	2.10E-05	0.242	**Srgap3**	SLIT-ROBO Rho GTPase activating protein 3
A_55_P1963712	1.68E-06	0.242	**Cyb5b**	cytochrome b5 type B
A_51_P127297	2.01E-09	0.242	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_55_P2077628	3.05E-06	0.242		
A_51_P127297	1.21E-08	0.243	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_55_P2058957	1.36E-06	0.243	**Syt1**	synaptotagmin I
A_51_P273679	3.33E-07	0.243	**Dmgdh**	dimethylglycine dehydrogenase precursor
A_55_P1972025	2.50E-06	0.243	**Mycl1**	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)
A_55_P2051120	0.000121945	0.243	**4430402I18Rik**	RIKEN cDNA 4430402I18 gene
A_51_P459944	2.57E-08	0.243	**Tcf21**	transcription factor 21
A_30_P0102411	5.80E-05	0.243		
A_52_P448006	6.18E-09	0.244	**Nit2**	nitrilase family, member 2
A_51_P484254	4.27E-07	0.244	**Pcca**	propionyl-Coenzyme A carboxylase, alpha polypeptide
A_51_P394394	4.87E-08	0.244	**Tspan2**	tetraspanin 2
A_30_P0103302	0.000997539	0.244		
A_51_P127297	7.31E-09	0.245	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_51_P136303	6.77E-08	0.245	**Cyp4f15**	cytochrome P450, family 4, subfamily f, polypeptide 15
A_51_P127297	1.50E-09	0.245	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_65_P20641	5.90E-07	0.245	**Fads2**	fatty acid desaturase 2
A_52_P647919	2.00E-07	0.245	**Usf2**	upstream transcription factor 2
A_55_P2074453	0.00017234	0.246	**Slc16a9**	solute carrier family 16 (monocarboxylic acid transporters), member 9
A_51_P234864	1.18E-06	0.246	**Sfxn5**	sideroflexin 5
A_55_P1962404	2.09E-09	0.246	**Ugt1a6b**	UDP glucuronosyltransferase 1 family, polypeptide A6B
A_55_P2011678	0.00550441	0.246	**Pdzk1ip1**	PDZK1 interacting protein 1
A_51_P159565	4.66E-05	0.246	**Arhgef9**	CDC42 guanine nucleotide exchange factor (GEF) 9
A_51_P155313	2.02E-07	0.247	**Gsto1**	glutathione S-transferase omega 1
A_55_P2007326	2.42E-05	0.247	**Cyp2a4**	cytochrome P450, family 2, subfamily a, polypeptide 4
A_30_P0102692	7.36E-06	0.247		
A_55_P2048406	1.44E-07	0.247		
A_51_P265806	9.07E-06	0.247	**Clca2**	chloride channel calcium activated 2
A_30_P0103286	1.48E-07	0.247		
A_51_P127297	1.06E-08	0.247	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_55_P1987730	3.93E-07	0.248	**5730469M10Rik**	RIKEN cDNA 5730469M10 gene
A_51_P290207	2.67E-05	0.248	**Insig1**	insulin induced gene 1
A_51_P460332	2.92E-08	0.248	**Apoc4**	apolipoprotein C-IV
A_52_P424767	1.87E-08	0.248	**Rbbp4**	retinoblastoma binding protein 4
A_30_P0103168	5.54E-05	0.248		
A_52_P72434	1.06E-06	0.248	**Khk**	ketohexokinase
A_30_P0102077	0.000263803	0.249		
A_52_P508920	9.73E-08	0.249	**Abca6**	ATP-binding cassette, sub-family A (ABC1), member 6
A_51_P127297	1.73E-09	0.249	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_52_P365660	1.26E-05	0.249	**Lrrc4c**	leucine rich repeat containing 4C
A_30_P0102295	0.000104747	0.250		
A_55_P2143765	3.44E-07	0.250	**Ugt1a6b**	UDP glucuronosyltransferase 1 family, polypeptide A6B
A_51_P127297	4.68E-09	0.251	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_30_P0102457	1.27E-10	0.251		
A_55_P2135725	1.67E-09	0.251	**C8g**	complement component 8, gamma polypeptide
A_66_P118600	2.03E-06	0.251	**Lama1**	laminin, alpha 1
A_51_P114005	3.70E-06	0.252	**Gstm7**	glutathione S-transferase, mu 7
A_55_P2041961	1.34E-07	0.253	**Bmp2**	bone morphogenetic protein 2
A_52_P29743	9.08E-08	0.253	**5033411D12Rik**	RIKEN cDNA 5033411D12 gene
A_51_P250807	1.58E-06	0.253	**Spata2L**	spermatogenesis associated 2-like
A_51_P113205	1.93E-08	0.253	**F13b**	coagulation factor XIII, beta subunit
A_51_P114005	4.66E-07	0.253	**Gstm7**	glutathione S-transferase, mu 7
A_51_P140742	8.46E-06	0.254	**Islr**	immunoglobulin superfamily containing leucine-rich repeat
A_66_P105175	6.95E-08	0.254	**Bche**	butyrylcholinesterase
A_55_P2073557	5.77E-10	0.254	**Slc27a5**	solute carrier family 27 (fatty acid transporter), member 5
A_52_P200207	3.40E-09	0.254	**Rmnd5a**	required for meiotic nuclear division 5 homolog A (S. cerevisiae)
A_30_P0103029	1.50E-07	0.254		
A_51_P142896	4.01E-09	0.254	**Cd59a**	CD59a antigen
A_51_P114005	1.02E-06	0.254	**Gstm7**	glutathione S-transferase, mu 7
A_55_P2111770	4.15E-07	0.255	**Klhl13**	kelch-like 13 (Drosophila)
A_55_P2076533	2.26E-05	0.255	**Pmvk**	phosphomevalonate kinase
A_30_P0102952	0.000219368	0.255		
A_55_P2179676	4.82E-10	0.255	**Spp2**	secreted phosphoprotein 2
A_55_P2085974	1.36E-05	0.255	**Igf1**	insulin-like growth factor 1
A_55_P2107528	1.75E-07	0.255		
A_55_P2044653	2.85E-06	0.255	**Cyp2b10**	cytochrome P450, family 2, subfamily b, polypeptide 10
A_55_P2069530	1.40E-07	0.255		
A_30_P0101807	1.19E-05	0.255		
A_51_P272283	3.14E-08	0.256	**Cmbl**	carboxymethylenebutenolidase-like (Pseudomonas)
A_52_P601021	1.83E-08	0.256	**C1qtnf2**	C1q and tumor necrosis factor related protein 2
A_51_P114005	7.25E-07	0.256	**Gstm7**	glutathione S-transferase, mu 7
A_55_P1999301	2.87E-07	0.256	**Cyp2e1**	cytochrome P450, family 2, subfamily e, polypeptide 1
A_55_P2025468	2.71E-09	0.256	**Tst**	thiosulfate sulfurtransferase, mitochondrial
A_55_P1988273	4.32E-05	0.256	**Rnf103**	ring finger protein 103

A_55_P2058601	0.000263498	0.256		
A_55_P2085974	4.73E-06	0.257	**Igf1**	insulin-like growth factor 1
A_51_P497724	1.81E-06	0.257	**Apol7a**	apolipoprotein L 7a
A_52_P229972	4.04E-08	0.257	**Slc22a1**	solute carrier family 22 (organic cation transporter), member 1
A_51_P113205	3.10E-08	0.257	**F13b**	coagulation factor XIII, beta subunit
A_55_P2159522	5.87E-07	0.257	**Col14a1**	collagen, type XIV, alpha 1
A_55_P2032936	8.83E-07	0.258	**Cisd1**	CDGSH iron sulfur domain 1
A_51_P114826	2.71E-06	0.258	**Cdh13**	cadherin 13
A_51_P394115	6.69E-09	0.259	**Aadac**	arylacetamide deacetylase (esterase)
A_51_P483511	1.75E-07	0.259	**Dock8**	dedicator of cytokinesis 8
A_55_P1986441	9.47E-09	0.259	**Gcdh**	glutaryl-Coenzyme A dehydrogenase
A_51_P327585	2.28E-05	0.259	**Gstm4**	glutathione S-transferase, mu 4
A_51_P113205	1.64E-08	0.259	**F13b**	coagulation factor XIII, beta subunit
A_55_P2039071	5.64E-09	0.259	**Dhdh**	dihydrodiol dehydrogenase (dimeric)
A_55_P2031681	0.000755413	0.259		
A_55_P1956918	9.67E-06	0.259	**Adamts5**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)
A_51_P113205	1.51E-08	0.259	**F13b**	coagulation factor XIII, beta subunit
A_30_P0103195	1.04E-05	0.259		
A_51_P113205	3.29E-08	0.260	**F13b**	coagulation factor XIII, beta subunit
A_51_P165165	6.50E-08	0.260	**Hibadh**	3-hydroxyisobutyrate dehydrogenase
A_51_P113205	5.04E-08	0.260	**F13b**	coagulation factor XIII, beta subunit
A_55_P1992329	0.000122103	0.260	**Gmpr**	guanosine monophosphate reductase
A_55_P2095859	6.47E-05	0.260	**Rdh18-ps**	retinol dehydrogenase 18, pseudogene
A_51_P256066	0.001199235	0.260	**Tiam2**	T-cell lymphoma invasion and metastasis 2
A_52_P394395	1.51E-08	0.260	**Abcd3**	ATP-binding cassette, sub-family D (ALD), member 3
A_51_P113205	6.82E-08	0.260	**F13b**	coagulation factor XIII, beta subunit
A_51_P383194	8.82E-07	0.261	**Pde9a**	phosphodiesterase 9A
A_51_P113205	2.53E-08	0.261	**F13b**	coagulation factor XIII, beta subunit
A_55_P2118694	0.000895314	0.261	**Nkd1**	naked cuticle 1 homolog (Drosophila)
A_51_P510764	5.50E-10	0.261	**Tmem195**	transmembrane protein 195
A_51_P205390	0.000351129	0.262	**1700040L02Rik**	RIKEN cDNA 1700040L02 gene
A_55_P1983733	1.12E-06	0.262	**Aldh1l1**	aldehyde dehydrogenase 1 family, member L1
A_51_P406429	1.43E-06	0.262	**Pdk1**	pyruvate dehydrogenase kinase, isoenzyme 1
A_55_P2118866	4.11E-07	0.262	**Cmah**	cytidine monophospho-N-acetylneuraminic acid hydroxylase
A_51_P113205	1.72E-08	0.262	**F13b**	coagulation factor XIII, beta subunit
A_51_P492410	2.93E-05	0.262	**Pmvk**	phosphomevalonate kinase
A_51_P102438	3.06E-09	0.262	**Ugt2b36**	UDP glucuronosyltransferase 2 family, polypeptide B36
A_55_P2258261	4.99E-06	0.262	**1810008I18Rik**	RIKEN cDNA 1810008I18 gene
A_55_P2010097	5.43E-07	0.262	**Mup2**	major urinary protein 2
A_55_P2073754	6.39E-05	0.263	**Adam23**	a disintegrin and metallopeptidase domain 23
A_52_P35064	1.95E-05	0.263	**Tm7sf2**	transmembrane 7 superfamily member 2
A_55_P2129867	0.000390471	0.263	**Sh3pxd2a**	SH3 and PX domains 2A
A_51_P166288	8.58E-08	0.263	**Acy1**	aminoacylase 1
A_52_P485007	6.26E-08	0.263	**Abca2**	ATP-binding cassette, sub-family A (ABC1), member 2
A_30_P0102357	2.57E-09	0.263		
A_55_P2227321	3.10E-08	0.264	**Ptprd**	protein tyrosine phosphatase, receptor type, D
A_51_P113205	1.51E-08	0.264	**F13b**	coagulation factor XIII, beta subunit
A_51_P114005	4.71E-07	0.264	**Gstm7**	glutathione S-transferase, mu 7
A_55_P1954486	0.00010747	0.265	**Mapt**	microtubule-associated protein tau
A_51_P436469	1.21E-08	0.265	**AI317395**	expressed sequence AI317395
A_52_P685999	1.54E-07	0.265	**Mettl7b**	methyltransferase like 7B
A_52_P182659	1.03E-05	0.265	**Cs**	citrate synthase
A_51_P245414	5.25E-05	0.266	**Klk1**	kallikrein 1
A_51_P404377	0.000139238	0.266	**Rnd2**	Rho family GTPase 2
A_51_P114005	3.48E-06	0.266	**Gstm7**	glutathione S-transferase, mu 7
A_51_P290931	0.001045331	0.266		
A_55_P2052490	4.71E-07	0.266	**Ushbp1**	Usher syndrome 1C binding protein 1
A_30_P0102905	1.55E-08	0.266		
A_51_P114005	8.72E-07	0.266	**Gstm7**	glutathione S-transferase, mu 7
A_55_P1982291	2.73E-06	0.266	**Clca1**	chloride channel calcium activated 1
A_55_P1952235	6.53E-07	0.267	**Spry1**	sprouty homolog 1 (Drosophila)
A_51_P471458	0.001502555	0.267	**Sult5a1**	sulfotransferase family 5A, member 1
A_30_P0102919	3.96E-05	0.267		
A_51_P334942	1.78E-05	0.268	**Aldh1a1**	aldehyde dehydrogenase family 1, subfamily A1
A_55_P2045812	2.84E-05	0.268	**Sigmar1**	sigma non-opioid intracellular receptor 1
A_51_P235726	1.85E-05	0.268	**Icam4**	intercellular adhesion molecule 4, Landsteiner-Wiener blood group
A_55_P2025006	0.000250897	0.268	**Klk1b26**	kallikrein 1-related petidase b26
A_55_P2132781	9.71E-08	0.268	**Slc16a2**	solute carrier family 16 (monocarboxylic acid transporters), member 2
A_51_P133097	3.66E-08	0.269	**Gm4013**	predicted gene 4013
A_55_P1972039	0.003725337	0.269		
A_55_P2102624	0.000404605	0.269	**Eaf2**	ELL associated factor 2
A_52_P425734	1.52E-08	0.269	**Afm**	afamin
A_55_P2048478	3.83E-07	0.269	**Olfml1**	olfactomedin-like 1
A_55_P1996711	7.17E-10	0.269	**Olfr1443**	olfactory receptor 1443
A_51_P337918	7.20E-08	0.269	**Aldh4a1**	aldehyde dehydrogenase 4 family, member A1
A_51_P403536	1.11E-07	0.269	**Ltbp4**	latent transforming growth factor beta binding protein 4
A_52_P674467	4.28E-07	0.269	**Lin7a**	lin-7 homolog A (C. elegans)
A_55_P2103033	2.93E-05	0.269		
A_55_P2126572	1.69E-05	0.270	**Tmem25**	transmembrane protein 25
A_55_P2167803	1.31E-07	0.270	**Abi3bp**	ABI gene family, member 3 (NESH) binding protein
A_65_P11092	0.006491867	0.270	**Tspan15**	tetraspanin 15
A_30_P0102915	0.000694853	0.270		
A_55_P1967736	1.05E-07	0.271	**Nkd1**	naked cuticle 1 homolog (Drosophila)
A_51_P426739	1.09E-06	0.271	**Gpt**	glutamic pyruvic transaminase, soluble
A_51_P145631	1.87E-09	0.271	**Svip**	small VCP/p97-interacting protein
A_55_P2096174	2.02E-05	0.271	**LOC665792**	alpha-fetoprotein-like
A_51_P127297	3.09E-09	0.271	**Hsd11b1**	hydroxysteroid 11-beta dehydrogenase 1
A_55_P1969904	3.10E-09	0.271	**Abcc6**	ATP-binding cassette, sub-family C (CFTR/MRP), member 6
A_51_P114005	4.73E-07	0.271	**Gstm7**	glutathione S-transferase, mu 7
A_30_P0103033	0.000144401	0.271		
A_55_P2005213	3.00E-07	0.272	**Ces2c**	carboxylesterase 2C
A_51_P397934	0.000519582	0.272	**Grin3b**	glutamate receptor, ionotropic, NMDA3B
A_55_P1992582	2.89E-06	0.272	**Hmgcs2**	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2
A_55_P2124736	7.42E-07	0.272	**Col14a1**	collagen, type XIV, alpha 1
A_52_P574668	8.21E-07	0.272	**Nt5e**	5' nucleotidase, ecto
A_55_P2061219	7.54E-07	0.272	**Ces3a**	carboxylesterase 3A
A_51_P278550	3.87E-07	0.272	**Tecr**	trans-2,3-enoyl-CoA reductase
A_55_P1967712	8.40E-09	0.273	**Adamts13**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 13
A_52_P543869	1.10E-05	0.273	**Shpk**	sedoheptulokinase
A_55_P2392625	0.000331287	0.273	**Slc1a2**	solute carrier family 1 (glial high affinity glutamate transporter), member 2
A_51_P510418	3.03E-06	0.273	**Aldh1b1**	aldehyde dehydrogenase 1 family, member B1
A_55_P2144386	2.03E-05	0.274	**Emr1**	EGF-like module containing, mucin-like, hormone receptor-like sequence 1
A_51_P469789	2.96E-08	0.274	**Agxt**	alanine-glyoxylate aminotransferase
A_51_P467110	4.76E-08	0.274	**Dpp4**	dipeptidylpeptidase 4
A_30_P0102623	0.001755506	0.274		
A_55_P2072493	1.70E-05	0.274	**F8**	coagulation factor VIII
A_55_P1999962	9.54E-07	0.275	**Podn**	podocan
A_55_P2143131	4.25E-06	0.275	**Rwdd3**	RWD domain containing 3
A_55_P2153191	0.000129872	0.276		

A_55_P2303868	0.000219174	0.276	**5033421B08Rik**	RIKEN cDNA 5033421B08 gene
A_30_P0103296	0.00128517	0.276		
A_51_P475613	7.90E-07	0.276	**Fahd2a**	fumarylacetoacetate hydrolase domain containing 2A
A_55_P2036280	4.55E-06	0.276	**Psen2**	presenilin 2
A_55_P1967168	3.95E-08	0.276	**Lrp4**	low density lipoprotein receptor-related protein 4
A_51_P263591	3.44E-09	0.277	**Pank1**	pantothenate kinase 1
A_30_P0103347	2.81E-06	0.277		
A_66_P137268	1.39E-07	0.277	**Abcc6**	ATP-binding cassette, sub-family C (CFTR/MRP), member 6
A_55_P2156062	7.71E-10	0.277		
A_66_P106744	4.69E-06	0.278	**1700007E06Rik**	RIKEN cDNA 1700007E06 gene
A_55_P2011802	9.19E-09	0.278	**Pdk2**	pyruvate dehydrogenase kinase, isoenzyme 2
A_51_P175699	4.33E-07	0.278	**Mtfp1**	mitochondrial fission process 1
A_51_P205779	0.000127772	0.278	**Cd5l**	CD5 antigen-like
A_51_P391897	1.93E-05	0.278	**Olfr125**	olfactory receptor 125
A_66_P130887	5.43E-07	0.278	**Pcdh18**	protocadherin 18
A_55_P2054708	0.001720422	0.278		
A_65_P13713	4.05E-07	0.279	**Ank3**	ankyrin 3, epithelial
A_55_P2097962	7.53E-06	0.279		
A_55_P2038737	1.88E-08	0.279	**Slc29a1**	solute carrier family 29 (nucleoside transporters), member 1
A_66_P100565	3.84E-09	0.279	**Ccdc107**	coiled-coil domain containing 107
A_51_P309184	2.34E-08	0.279	**Pxmp2**	peroxisomal membrane protein 2
A_30_P0102975	3.06E-08	0.279		
A_51_P276802	9.66E-06	0.279	**Akr1c20**	aldo-keto reductase family 1, member C20
A_55_P2156126	7.27E-07	0.279		
A_52_P559817	0.000103517	0.280	**Fbln7**	fibulin 7
A_66_P106611	0.000154443	0.280	**Gna14**	guanine nucleotide binding protein, alpha 14
A_30_P0102759	9.72E-07	0.280		
A_55_P1966327	1.23E-07	0.280		
A_52_P581390	5.06E-07	0.280	**Kif1c**	kinesin family member 1C
A_55_P2382741	0.001819111	0.281	**AI314604**	expressed sequence AI314604
A_55_P2051313	1.21E-07	0.281	**Gstk1**	glutathione S-transferase kappa 1
A_55_P2139089	4.92E-08	0.281	**Gm5631**	predicted gene 5631
A_55_P2101246	3.34E-09	0.281	**Aldh6a1**	aldehyde dehydrogenase family 6, subfamily A1
A_52_P1003335	0.000801894	0.281		
A_30_P0102464	0.002074453	0.282		
A_55_P2032714	8.53E-06	0.282	**Fhit**	fragile histidine triad gene
A_55_P2126950	4.91E-07	0.282	**Zfp467**	zinc finger protein 467
A_55_P2057076	3.70E-08	0.282	**Magix**	MAGI family member, X-linked
A_30_P0103260	0.001423818	0.282		
A_65_P19089	0.000115045	0.282	**Esrrg**	estrogen-related receptor gamma
A_30_P0102960	1.10E-06	0.283		
A_30_P0102809	2.17E-06	0.284		
A_55_P2211748	9.37E-06	0.284	**9030411M13Rik**	RIKEN cDNA 9030411M13 gene
A_51_P159402	3.58E-07	0.284	**Gcat**	glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)
A_55_P2145531	4.76E-06	0.284	**Mpst**	mercaptopyruvate sulfurtransferase
A_51_P352303	7.98E-07	0.284	**Homer2**	homer homolog 2 (Drosophila)
A_52_P175242	4.68E-07	0.285	**Irs1**	insulin receptor substrate 1
A_51_P440047	5.55E-08	0.285	**1110067D22Rik**	RIKEN cDNA 1110067D22 gene
A_55_P2080248	1.00E-07	0.285	**Cyp2j8-ps**	cytochrome P450, family 2, subfamily j, polypeptide 8, pseudogene
A_66_P114054	8.05E-08	0.285	**Sco2**	SCO cytochrome oxidase deficient homolog 2 (yeast)
A_51_P110341	0.000615265	0.286	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P1966438	0.000118518	0.287	**Gstm2**	glutathione S-transferase, mu 2
A_55_P1964262	2.51E-06	0.287	**Apol7a**	apolipoprotein L 7a
A_51_P422893	1.43E-06	0.287	**Tmem14a**	transmembrane protein 14A
A_51_P112223	5.44E-06	0.288	**Gsta4**	glutathione S-transferase, alpha 4
A_55_P1958434	3.78E-07	0.288	**Got1**	glutamate oxaloacetate transaminase 1, soluble
A_30_P0101766	9.67E-07	0.288		
A_55_P1959595	0.000162227	0.288	**Fmo5**	flavin containing monooxygenase 5
A_30_P0102786	7.28E-09	0.289		
A_55_P2446231	7.98E-07	0.289	**D730040F13Rik**	RIKEN cDNA D730040F13 gene
A_30_P0102476	3.10E-06	0.289		
A_30_P0102204	2.27E-09	0.289		
A_51_P145415	1.55E-06	0.290	**Lpcat3**	lysophosphatidylcholine acyltransferase 3
A_30_P0102989	1.59E-06	0.290		
A_30_P0102030	0.000638606	0.290		
A_55_P2119957	2.24E-07	0.290	**Mlxipl**	MLX interacting protein-like
A_51_P114005	3.18E-06	0.291	**Gstm7**	glutathione S-transferase, mu 7
A_55_P1971815	3.60E-08	0.291	**Clcn2**	chloride channel 2
A_51_P162671	0.000192233	0.292	**Folr2**	folate receptor 2 (fetal)
A_55_P2007155	2.22E-06	0.292	**Akr1c14**	aldo-keto reductase family 1, member C14
A_55_P1997585	9.81E-05	0.292		
A_51_P379373	1.38E-05	0.292	**Lactb2**	lactamase, beta 2
A_51_P438083	1.49E-11	0.292	**Slc6a13**	solute carrier family 6 (neurotransmitter transporter, GABA), member 13
A_51_P279693	0.000169059	0.292	**Cyp1a1**	cytochrome P450, family 1, subfamily a, polypeptide 1
A_52_P507305	1.84E-08	0.293	**Iah1**	isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae)
A_51_P338485	2.95E-09	0.293	**Aldh6a1**	aldehyde dehydrogenase family 6, subfamily A1
A_55_P2055217	1.10E-06	0.293		
A_55_P2158962	1.96E-06	0.293	**Dixdc1**	DIX domain containing 1
A_55_P1988708	1.67E-07	0.293	**Gstz1**	glutathione transferase zeta 1 (maleylacetoacetate isomerase)
A_30_P0102932	0.001214395	0.293		
A_51_P160913	0.00312309	0.294	**Mr1**	major histocompatibility complex, class I-related
A_52_P645862	9.00E-07	0.295	**Agtr1a**	angiotensin II receptor, type 1a
A_66_P106421	2.22E-05	0.295	**Ccdc30**	coiled-coil domain containing 30
A_55_P2028370	8.72E-05	0.295		
A_52_P487599	2.55E-05	0.295	**Thnsl2**	threonine synthase-like 2 (bacterial)
A_55_P2168643	2.72E-05	0.295		
A_30_P0102891	2.42E-07	0.295		
A_51_P376347	1.64E-07	0.296	**Hebp1**	heme binding protein 1
A_30_P0103226	2.66E-05	0.296		
A_51_P265106	2.00E-06	0.296	**Dlat**	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)
A_55_P2042319	3.33E-08	0.296	**Cyp2d40**	cytochrome P450, family 2, subfamily d, polypeptide 40
A_66_P139387	0.000453934	0.297	**Prlr**	prolactin receptor
A_51_P112223	6.39E-06	0.297	**Gsta4**	glutathione S-transferase, alpha 4
A_30_P0102244	2.17E-08	0.297		
A_51_P392928	8.98E-09	0.297	**Mthfd1**	methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate sy
A_52_P505192	4.48E-05	0.298	**Ntn3**	netrin 3
A_52_P302544	9.60E-05	0.298	**Col8a2**	collagen, type VIII, alpha 2
A_52_P183524	1.35E-06	0.298	**Tmem86b**	transmembrane protein 86B
A_55_P1968193	8.85E-06	0.298	**Fhit**	fragile histidine triad gene
A_66_P131389	1.10E-08	0.298	**Ugt2b38**	UDP glucuronosyltransferase 2 family, polypeptide B38
A_66_P101519	5.37E-09	0.298	**Abcc9**	ATP-binding cassette, sub-family C (CFTR/MRP), member 9
A_30_P0101804	2.21E-06	0.298		
A_55_P2159575	2.29E-08	0.298	**Reep6**	receptor accessory protein 6
A_51_P268529	0.00340262	0.298	**Csad**	cysteine sulfinic acid decarboxylase
A_55_P2095508	8.68E-06	0.299	**Pvrl3**	poliovirus receptor-related 3
A_52_P660945	6.53E-06	0.299	**Ctsf**	cathepsin F
A_55_P2153783	2.14E-06	0.299	**Fmo1**	flavin containing monooxygenase 1
A_55_P1981829	0.000107451	0.299	**Rhox8**	reproductive homeobox 8
A_55_P2061338	7.21E-05	0.299	**Slc16a11**	solute carrier family 16 (monocarboxylic acid transporters), member 11

A_51_P170959	2.02E-08	0.299	**Proz**	protein Z, vitamin K-dependent plasma glycoprotein
A_52_P552547	7.39E-08	0.300	**1110054M08Rik**	RIKEN cDNA 1110054M08 gene
A_55_P2096043	0.003511563	0.300	**Acot11**	acyl-CoA thioesterase 11
A_51_P196590	9.99E-08	0.300	**Hadh**	hydroxyacyl-Coenzyme A dehydrogenase
A_55_P1954393	5.14E-05	0.300	**Susd4**	sushi domain containing 4
A_51_P435068	5.34E-11	0.300	**Acadsb**	acyl-Coenzyme A dehydrogenase, short/branched chain
A_55_P2120354	7.42E-08	0.300	**Cib2**	calcium and integrin binding family member 2
A_55_P1975973	1.49E-07	0.300	**Syt3**	synaptotagmin III
A_55_P2412319	7.53E-08	0.300	**A830052D11Rik**	RIKEN cDNA A830052D11 gene
A_51_P114005	5.18E-06	0.301	**Gstm7**	glutathione S-transferase, mu 7
A_55_P1992555	6.77E-08	0.301	**Gys2**	glycogen synthase 2
A_55_P2018116	7.47E-05	0.301	**Pabpc4l**	poly(A) binding protein, cytoplasmic 4-like
A_51_P445683	1.39E-07	0.301	**4931406C07Rik**	RIKEN cDNA 4931406C07 gene
A_55_P2069755	5.22E-07	0.301	**Tymp**	thymidine phosphorylase
A_51_P112223	1.91E-06	0.301	**Gsta4**	glutathione S-transferase, alpha 4
A_52_P156452	1.02E-06	0.301	**Cmah**	cytidine monophospho-N-acetylneuraminic acid hydroxylase
A_55_P2118709	1.87E-06	0.301	**A830093I24Rik**	RIKEN cDNA A830093I24 gene
A_66_P134704	6.42E-05	0.301	**Gm4952**	predicted gene 4952
A_55_P2154719	4.76E-05	0.301		
A_66_P134394	0.000214049	0.301	**Pde6c**	phosphodiesterase 6C, cGMP specific, cone, alpha prime
A_55_P1953980	2.68E-08	0.302	**Sdhb**	succinate dehydrogenase complex, subunit B, iron sulfur (Ip)
A_55_P2006499	0.000200417	0.302	**Esrrg**	estrogen-related receptor gamma
A_55_P2083919	0.00047915	0.302	**Robo2**	roundabout homolog 2 (Drosophila)
A_55_P2103963	2.56E-05	0.302	**Bhmt**	betaine-homocysteine methyltransferase
A_55_P2083629	5.15E-07	0.302	**Tle2**	transducin-like enhancer of split 2, homolog of Drosophila E(spl)
A_55_P2057430	0.001307527	0.302	**Lipn**	lipase, family member N
A_51_P134142	5.00E-07	0.302	**Cyp2c70**	cytochrome P450, family 2, subfamily c, polypeptide 70
A_51_P132978	2.60E-06	0.303	**Idh1**	isocitrate dehydrogenase 1 (NADP+), soluble
A_55_P2057523	2.11E-10	0.303	**Ppm1b**	protein phosphatase 1B, magnesium dependent, beta isoform
A_51_P430082	1.59E-08	0.303	**Tst**	thiosulfate sulfurtransferase, mitochondrial
A_51_P392303	0.002451685	0.304	**Lrrn3**	leucine rich repeat protein 3, neuronal
A_55_P2030030	4.66E-07	0.304	**Adssl1**	adenylosuccinate synthetase like 1
A_55_P2097964	7.54E-05	0.305		
A_51_P219266	4.81E-09	0.305	**Tmprss6**	transmembrane serine protease 6
A_55_P2098865	4.56E-07	0.305	**Accn5**	amiloride-sensitive cation channel 5, intestinal
A_51_P194498	3.10E-07	0.305	**Wfdc1**	WAP four-disulfide core domain 1
A_55_P1966992	0.001069298	0.305	**Fam84b**	family with sequence similarity 84, member B
A_30_P0102797	6.92E-05	0.305		
A_51_P408584	1.96E-08	0.306	**Enpp1**	ectonucleotide pyrophosphatase/phosphodiesterase 1
A_55_P2143030	7.60E-07	0.306	**Timd2**	T-cell immunoglobulin and mucin domain containing 2
A_66_P125722	8.54E-09	0.306	**Cyb5**	cytochrome b-5
A_51_P392005	1.31E-06	0.306	**Car8**	carbonic anhydrase 8
A_65_P11773	7.66E-11	0.306	**Adi1**	acireductone dioxygenase 1
A_51_P331288	2.02E-05	0.306	**Akr1b7**	aldo-keto reductase family 1, member B7
A_51_P112223	8.61E-06	0.307	**Gsta4**	glutathione S-transferase, alpha 4
A_52_P684378	1.13E-07	0.307	**Gpx1**	glutathione peroxidase 1
A_55_P2325698	5.87E-06	0.307	**2010002M09Rik**	RIKEN cDNA 2010002M09 gene
A_55_P1971054	2.35E-07	0.307	**Paqr9**	progestin and adipoQ receptor family member IX
A_55_P1995647	5.76E-05	0.308	**Rsph4a**	radial spoke head 4 homolog A (Chlamydomonas)
A_51_P371745	3.69E-08	0.308	**Havcr1**	hepatitis A virus cellular receptor 1
A_55_P2179271	5.34E-05	0.308	**Ccdc30**	coiled-coil domain containing 30
A_55_P2017982	0.000188517	0.308	**Pde8b**	phosphodiesterase 8B
A_55_P1970860	1.50E-08	0.308	**Pemt**	phosphatidylethanolamine N-methyltransferase
A_55_P2002933	0.000187218	0.308	**Klk1b5**	kallikrein 1-related peptidase b5
A_52_P71686	0.000805733	0.308	**Atp6v0d2**	ATPase, H+ transporting, lysosomal V0 subunit D2
A_51_P480328	1.38E-05	0.308	**Eltd1**	EGF, latrophilin seven transmembrane domain containing 1
A_55_P2156425	2.30E-06	0.308	**Upk1a**	uroplakin 1A
A_30_P0101953	4.14E-07	0.308		
A_51_P375693	5.70E-07	0.309	**Tmem135**	transmembrane protein 135
A_51_P112223	3.10E-06	0.309	**Gsta4**	glutathione S-transferase, alpha 4
A_55_P1963863	1.50E-06	0.309	**Arhgef17**	Rho guanine nucleotide exchange factor (GEF) 17
A_51_P112223	1.04E-05	0.309	**Gsta4**	glutathione S-transferase, alpha 4
A_52_P248343	0.000186733	0.309	**Mylip**	myosin regulatory light chain interacting protein
A_51_P462271	4.48E-06	0.309	**Acan**	aggrecan
A_55_P2133427	8.53E-08	0.310	**Vkorc1**	vitamin K epoxide reductase complex, subunit 1
A_55_P1964832	1.64E-06	0.310	**Reck**	reversion-inducing-cysteine-rich protein with kazal motifs
A_51_P112223	6.64E-06	0.310	**Gsta4**	glutathione S-transferase, alpha 4
A_51_P383399	2.62E-05	0.310	**Aldh1a7**	aldehyde dehydrogenase family 1, subfamily A7
A_51_P167660	0.000383477	0.310	**2610204G22Rik**	RIKEN cDNA 2610204G22 gene
A_55_P2133007	2.11E-05	0.310	**Cntfr**	ciliary neurotrophic factor receptor
A_51_P464182	3.44E-06	0.310	**Mat1a**	methionine adenosyltransferase I, alpha
A_52_P590661	7.30E-05	0.310		
A_30_P0102012	9.37E-09	0.310		
A_52_P282905	1.30E-07	0.311	**Ces1b**	carboxylesterase 1B
A_51_P299805	1.21E-08	0.311	**Slc46a3**	solute carrier family 46, member 3
A_51_P112223	1.74E-06	0.311	**Gsta4**	glutathione S-transferase, alpha 4
A_30_P0102357	1.86E-06	0.312		
A_55_P1970578	1.25E-07	0.312	**1810020D17Rik**	RIKEN cDNA 1810020D17 gene
A_55_P2118684	9.33E-08	0.312	**Idh2**	isocitrate dehydrogenase 2 (NADP+), mitochondrial
A_51_P346179	2.64E-08	0.312	**Aspdh**	aspartate dehydrogenase domain containing
A_55_P2075140	7.39E-09	0.312	**Sirt3**	sirtuin 3 (silent mating type information regulation 2, homolog) 3 (S. cerevisiae)
A_55_P2008056	1.70E-08	0.312	**Cideb**	cell death-inducing DNA fragmentation factor, alpha subunit-like effector B
A_66_P108685	2.43E-09	0.312	**Cideb**	cell death-inducing DNA fragmentation factor, alpha subunit-like effector B
A_51_P316553	3.33E-08	0.312	**Kdr**	kinase insert domain protein receptor
A_52_P172014	8.47E-05	0.312	**Ramp1**	receptor (calcitonin) activity modifying protein 1
A_52_P255250	0.000123609	0.313	**Rnf103**	ring finger protein 103
A_30_P0103059	0.000210177	0.313		
A_30_P0102923	3.20E-07	0.313		
A_55_P1988899	7.41E-07	0.313	**Mblac2**	metallo-beta-lactamase domain containing 2
A_51_P459661	6.36E-10	0.313	**Lipa**	lysosomal acid lipase A
A_51_P256384	0.001790006	0.313	**Atp2b2**	ATPase, Ca++ transporting, plasma membrane 2
A_55_P2031636	4.88E-06	0.313	**Igf1**	insulin-like growth factor 1
A_51_P112223	2.23E-05	0.313	**Gsta4**	glutathione S-transferase, alpha 4
A_55_P1979645	3.05E-09	0.313	**S100a1**	S100 calcium binding protein A1
A_55_P2123706	2.76E-06	0.314	**Plekhb1**	pleckstrin homology domain containing, family B (evectins) member 1
A_52_P179925	6.98E-06	0.314	**Abcg8**	ATP-binding cassette, sub-family G (WHITE), member 8
A_51_P406077	1.73E-08	0.314	**1110001J03Rik**	RIKEN cDNA 1110001J03 gene
A_52_P540219	3.53E-09	0.314	**Timp2**	tissue inhibitor of metalloproteinase 2
A_55_P1977418	1.68E-07	0.314	**Ugt2b34**	UDP glucuronosyltransferase 2 family, polypeptide B34
A_51_P509384	5.08E-09	0.315	**Aldh8a1**	aldehyde dehydrogenase 8 family, member A1
A_51_P506309	9.20E-10	0.315	**Hrg**	histidine-rich glycoprotein
A_51_P425680	2.76E-08	0.315	**Ivd**	isovaleryl coenzyme A dehydrogenase
A_55_P2062936	4.15E-08	0.315	**Abca3**	ATP-binding cassette, sub-family A (ABC1), member 3
A_55_P2088425	1.62E-09	0.315	**Tcn2**	transcobalamin 2
A_51_P316553	1.48E-07	0.315	**Kdr**	kinase insert domain protein receptor
A_55_P2383283	3.29E-06	0.315	**2310001H17Rik**	RIKEN cDNA 2310001H17 gene
A_55_P1954061	4.17E-07	0.315	**Nrxn2**	neurexin II
A_55_P1966528	2.85E-05	0.316	**Pmf1**	polyamine-modulated factor 1
A_55_P2054673	1.01E-06	0.316	**Gpld1**	glycosylphosphatidylinositol specific phospholipase D1

A_55_P1967553	1.84E-06	0.316	**D14Ertd449e**	DNA segment, Chr 14, ERATO Doi 449, expressed
A_51_P137604	0.000126882	0.316	**Fcna**	ficolin A
A_51_P161342	3.88E-08	0.316	**Abcb6**	ATP-binding cassette, sub-family B (MDR/TAP), member 6
A_55_P2112484	3.24E-06	0.316	**Rwdd3**	RWD domain containing 3
A_51_P478952	1.51E-07	0.316	**N4bp2l1**	NEDD4 binding protein 2-like 1
A_55_P2126391	0.003824653	0.317	**Srl**	sarcalumenin
A_55_P2031100	2.59E-08	0.317	**Ahcy**	S-adenosylhomocysteine hydrolase
A_66_P111285	1.56E-10	0.317	**Pdp2**	pyruvate dehyrogenase phosphatase catalytic subunit 2
A_52_P476877	4.37E-07	0.317	**Rfx4**	regulatory factor X, 4 (influences HLA class II expression)
A_30_P0102147	0.000430509	0.318		
A_55_P1975052	5.90E-06	0.318	**Amt**	aminomethyltransferase
A_55_P2107225	0.004137797	0.318	**Sult2a6**	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 6
A_55_P2020035	8.51E-05	0.318		
A_55_P1976789	9.69E-08	0.318	**Dgcr6**	DiGeorge syndrome critical region gene 6
A_55_P2008936	1.35E-06	0.319	**Slc2a9**	solute carrier family 2 (facilitated glucose transporter), member 9
A_51_P316553	3.17E-08	0.319	**Kdr**	kinase insert domain protein receptor
A_55_P2035804	2.34E-05	0.319	**Fzd8**	frizzled homolog 8 (Drosophila)
A_51_P513460	5.10E-08	0.319	**Cfhr1**	complement factor H-related 1
A_51_P462918	6.07E-05	0.319	**Ehhadh**	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase
A_52_P617636	1.31E-09	0.320	**Klf12**	Kruppel-like factor 12
A_55_P2027979	7.49E-05	0.320	**Impg2**	interphotoreceptor matrix proteoglycan 2
A_51_P103975	8.56E-10	0.320	**Brp44**	brain protein 44
A_51_P153053	2.57E-09	0.320	**Smpdl3a**	sphingomyelin phosphodiesterase, acid-like 3A
A_55_P2031636	1.74E-06	0.320	**Igf1**	insulin-like growth factor 1
A_55_P2168667	1.52E-10	0.320	**Rbpms2**	RNA binding protein with multiple splicing 2
A_55_P2092501	1.27E-06	0.320	**Med1**	mediator complex subunit 1
A_55_P1983162	0.000119498	0.320	**Pstpip2**	proline-serine-threonine phosphatase-interacting protein 2
A_55_P2115567	1.66E-05	0.320	**Slc26a1**	solute carrier family 26 (sulfate transporter), member 1
A_51_P196862	3.01E-08	0.320	**Amdhd1**	amidohydrolase domain containing 1
A_52_P322181	0.0002135	0.321	**Adrb1**	adrenergic receptor, beta 1
A_30_P0102894	0.000155592	0.321		
A_52_P287992	1.88E-05	0.322	**Tbcel**	tubulin folding cofactor E-like
A_30_P0103122	3.99E-05	0.322		
A_51_P103975	3.89E-09	0.322	**Brp44**	brain protein 44
A_55_P2157902	8.36E-06	0.322	**Igsf10**	immunoglobulin superfamily, member 10
A_55_P1994194	4.50E-08	0.322	**Heph**	hephaestin
A_66_P130035	0.000457474	0.322	**Klk1b24**	kallikrein 1-related peptidase b24
A_55_P2018934	8.79E-05	0.323	**Emr1**	EGF-like module containing, mucin-like, hormone receptor-like sequence 1
A_55_P2034285	3.87E-06	0.323		
A_55_P1962429	2.93E-06	0.323	**Maf**	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog
A_52_P597371	0.000215133	0.323	**Ncald**	neurocalcin delta
A_51_P316553	2.49E-07	0.323	**Kdr**	kinase insert domain protein receptor
A_51_P116609	3.65E-05	0.323	**Tex12**	testis expressed gene 12
A_55_P2171378	0.005948686	0.324	**Pdzk1ip1**	PDZK1 interacting protein 1
A_55_P2143896	0.000227523	0.324	**Slc17a2**	solute carrier family 17 (sodium phosphate), member 2
A_55_P2169064	3.01E-05	0.324	**Olfr1474**	olfactory receptor 1474
A_51_P436068	2.76E-06	0.324	**Gpr182**	G protein-coupled receptor 182
A_55_P1955412	2.77E-07	0.324	**Slc1a2**	solute carrier family 1 (glial high affinity glutamate transporter), member 2
A_51_P308844	1.47E-08	0.324	**Nrn1**	neuritin 1
A_51_P385351	0.000382162	0.324	**Slc44a3**	solute carrier family 44, member 3
A_30_P0103015	9.56E-05	0.324		
A_55_P1955072	2.24E-06	0.324	**Alad**	aminolevulinate, delta-, dehydratase
A_51_P416822	2.26E-05	0.324	**Hhip**	Hedgehog-interacting protein
A_51_P484054	2.48E-08	0.324	**F7**	coagulation factor VII
A_55_P2015182	0.000621473	0.325		
A_51_P386539	3.44E-05	0.325	**Rnf125**	ring finger protein 125
A_51_P475378	7.75E-08	0.325	**Echdc3**	enoyl Coenzyme A hydratase domain containing 3
A_52_P462257	0.001820082	0.325		
A_51_P103975	4.42E-09	0.325	**Brp44**	brain protein 44
A_30_P0102435	4.12E-07	0.325		
A_55_P2204491	2.48E-06	0.325	**AI131754**	expressed sequence AI131754
A_55_P2047673	5.64E-08	0.325	**Srr**	serine racemase
A_52_P653902	2.24E-07	0.325	**Eny2**	enhancer of yellow 2 homolog (Drosophila)
A_55_P2113723	1.62E-06	0.326	**Pecr**	peroxisomal trans-2-enoyl-CoA reductase
A_52_P5567	1.17E-06	0.326	**Fam50b**	family with sequence similarity 50, member B
A_55_P2107437	0.001247504	0.327		
A_51_P332141	6.59E-08	0.327	**Clcn2**	chloride channel 2
A_51_P289239	4.21E-05	0.327	**F8**	coagulation factor VIII
A_55_P2096883	3.64E-06	0.327	**Steap3**	STEAP family member 3
A_52_P69558	1.43E-05	0.327	**Gm8221**	apolipoprotein L, 3-like
A_51_P316553	1.31E-07	0.327	**Kdr**	kinase insert domain protein receptor
A_66_P119350	7.34E-06	0.327	**2310040G24Rik**	RIKEN cDNA 2310040G24 gene
A_55_P2326260	1.38E-05	0.327	**4930525G20Rik**	RIKEN cDNA 4930525G20 gene
A_52_P515769	1.07E-06	0.327	**Pcdh12**	protocadherin 12
A_30_P0103147	0.000110259	0.327		
A_52_P59264	2.80E-05	0.328	**Sncaip**	synuclein, alpha interacting protein (synphilin)
A_55_P2028847	0.000205253	0.328		
A_52_P337427	0.000102042	0.328	**Izumo4**	IZUMO family member 4
A_55_P2025343	2.96E-05	0.328	**Mup21**	major urinary protein 21
A_55_P2054261	0.000245432	0.328	**C2cd4b**	C2 calcium-dependent domain containing 4B
A_30_P0101833	3.28E-05	0.328		
A_55_P2106641	2.84E-06	0.328	**Aqp9**	aquaporin 9
A_55_P2116149	0.000156304	0.328		
A_55_P2037428	0.000594297	0.328	**Mogat1**	monoacylglycerol O-acyltransferase 1
A_51_P143682	1.01E-07	0.329	**Zfp318**	zinc finger protein 318
A_51_P103975	1.81E-09	0.329	**Brp44**	brain protein 44
A_66_P104473	2.15E-08	0.329	**Polg2**	polymerase (DNA directed), gamma 2, accessory subunit
A_51_P395555	8.63E-08	0.330	**Vkorc1**	vitamin K epoxide reductase complex, subunit 1
A_30_P0102570	0.000762868	0.330		
A_51_P110341	0.000229184	0.330	**Scgb3a1**	secretoglobin, family 3A, member 1
A_51_P413916	3.39E-06	0.330	**Pgrmc2**	progesterone receptor membrane component 2
A_55_P2032668	7.87E-08	0.330		
A_55_P2045040	2.63E-08	0.330	**F7**	coagulation factor VII
A_30_P0102313	7.63E-06	0.331		
A_55_P1973813	3.09E-07	0.331		
A_51_P103975	1.10E-08	0.331	**Brp44**	brain protein 44
A_51_P372141	3.38E-07	0.331	**Pnkd**	paroxysmal nonkinesiogenic dyskinesia
A_55_P2012444	0.000380465	0.331	**Tnfrsf19**	tumor necrosis factor receptor superfamily, member 19
A_52_P176160	3.20E-10	0.331	**Ahcy**	S-adenosylhomocysteine hydrolase
A_52_P659312	0.000289788	0.331	**Spsb4**	splA/ryanodine receptor domain and SOCS box containing 4
A_66_P118430	0.000417784	0.332	**Slc17a2**	solute carrier family 17 (sodium phosphate), member 2
A_55_P2005956	0.000248044	0.332	**Egfbp2**	epidermal growth factor binding protein type B
A_55_P2094084	1.06E-06	0.332	**Zfp318**	zinc finger protein 318
A_52_P584188	6.07E-06	0.332	**Frat1**	frequently rearranged in advanced T-cell lymphomas
A_51_P316553	5.55E-07	0.332	**Kdr**	kinase insert domain protein receptor
A_51_P138060	1.43E-08	0.332	**Rnf13**	ring finger protein 13
A_52_P257686	1.39E-06	0.332	**Rwdd3**	RWD domain containing 3
A_52_P554703	2.20E-05	0.332	**Gprin3**	GPRIN family member 3
A_51_P316553	9.22E-07	0.332	**Kdr**	kinase insert domain protein receptor

A_52_P593037	1.43E-05	0.332	**Acsl5**	acyl-CoA synthetase long-chain family member 5
A_55_P2114697	0.000490307	0.332	**Gcm1**	glial cells missing homolog 1 (Drosophila)
A_30_P0102042	5.37E-06	0.333		
A_55_P2077153	1.03E-05	0.333	**Slc27a2**	solute carrier family 27 (fatty acid transporter), member 2
A_51_P112223	1.34E-05	0.333	**Gsta4**	glutathione S-transferase, alpha 4
A_51_P408989	7.25E-09	0.333	**2810055F11Rik**	RIKEN cDNA 2810055F11 gene
A_51_P383270	0.000596551	0.333	**Fras1**	Fraser syndrome 1 homolog (human)
A_51_P259975	1.90E-06	0.333	**Aspa**	aspartoacylase
A_55_P1982762	9.48E-08	0.333	**Hsd3b7**	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7
A_55_P2010106	7.70E-05	0.334		
A_55_P2047621	4.70E-07	0.334	**D730039F16Rik**	RIKEN cDNA D730039F16 gene
A_52_P330950	5.97E-08	0.334	**C2cd2**	C2 calcium-dependent domain containing 2
A_51_P464911	2.82E-07	0.334	**Msrb2**	methionine sulfoxide reductase B2
A_55_P1954302	9.83E-07	0.334	**Esrrb**	estrogen related receptor, beta
A_51_P116609	0.000169143	0.334	**Tex12**	testis expressed gene 12
A_51_P103975	4.20E-08	0.334	**Brp44**	brain protein 44
A_51_P316553	1.78E-07	0.334	**Kdr**	kinase insert domain protein receptor
A_55_P2110185	5.62E-06	0.335	**Echdc1**	enoyl Coenzyme A hydratase domain containing 1
A_51_P429682	2.56E-06	0.335	**Ebp**	phenylalkylamine Ca2+ antagonist (emopamil) binding protein
A_30_P0102203	0.000743642	0.335		
A_66_P107745	6.42E-07	0.335	**1110020A21Rik**	RIKEN cDNA 1110020A21 gene
A_55_P2346859	2.48E-06	0.335	**C630007K24Rik**	RIKEN cDNA C630007K24 gene
A_52_P225584	3.74E-07	0.335	**Abhd15**	abhydrolase domain containing 15
A_52_P507498	8.94E-06	0.335	**Plxnc1**	plexin C1
A_55_P2103026	9.73E-05	0.335	**Sema3d**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D
A_51_P295610	1.87E-08	0.335	**Cyc1**	cytochrome c-1
A_30_P0102913	4.67E-07	0.335		
A_55_P2048779	0.003738425	0.335	**Fam84b**	family with sequence similarity 84, member B
A_51_P103975	2.45E-09	0.336	**Brp44**	brain protein 44
A_55_P1993777	4.05E-06	0.336	**Rbfox3**	RNA binding protein, fox-1 homolog (C. elegans) 3
A_55_P2029678	4.60E-08	0.336	**Etfa**	electron transferring flavoprotein, alpha polypeptide
A_55_P1984601	9.60E-07	0.336	**Vapb**	vesicle-associated membrane protein, associated protein B and C
A_51_P466148	1.02E-09	0.336	**Bckdha**	branched chain ketoacid dehydrogenase E1, alpha polypeptide
A_30_P0102954	0.001020527	0.336		
A_51_P103975	5.01E-09	0.336	**Brp44**	brain protein 44
A_30_P0102482	5.29E-06	0.336		
A_55_P2078670	5.77E-07	0.336	**Cbs**	cystathionine beta-synthase
A_55_P2133637	2.46E-08	0.336	**Etfa**	electron transferring flavoprotein, alpha polypeptide
A_55_P2045876	9.83E-08	0.336		
A_30_P0101897	0.000166716	0.337		
A_55_P2071930	8.80E-06	0.337		
A_51_P424878	8.64E-06	0.337	**2810405K02Rik**	RIKEN cDNA 2810405K02 gene
A_66_P116126	4.47E-07	0.337	**Sdhb**	succinate dehydrogenase complex, subunit B, iron sulfur (Ip)
A_52_P349318	8.80E-06	0.337	**B3gat1**	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)
A_55_P2180899	2.11E-07	0.337	**Aldh3a2**	aldehyde dehydrogenase family 3, subfamily A2
A_51_P316553	3.23E-07	0.337	**Kdr**	kinase insert domain protein receptor
A_66_P140507	5.85E-08	0.338	**Lhpp**	phospholysine phosphohistidine inorganic pyrophosphate phosphatase
A_55_P2072453	3.44E-09	0.338	**Mosc1**	MOCO sulphurase C-terminal domain containing 1
A_55_P2112230	2.45E-08	0.338	**Pcyt2**	phosphate cytidylyltransferase 2, ethanolamine
A_52_P539161	0.000215765	0.338	**Rdh11**	retinol dehydrogenase 11
A_51_P318618	1.17E-05	0.338	**Anks4b**	ankyrin repeat and sterile alpha motif domain containing 4B
A_55_P2367007	6.08E-05	0.338	**C330020G15Rik**	RIKEN cDNA C330020G15 gene
A_52_P244723	1.21E-05	0.338	**Tbcel**	tubulin folding cofactor E-like
A_55_P2145617	7.03E-07	0.338	**Krt80**	keratin 80
A_51_P104891	3.69E-08	0.338	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2173702	3.29E-05	0.338	**Ebpl**	emopamil binding protein-like
A_51_P484842	7.27E-09	0.339	**Asgr2**	asialoglycoprotein receptor 2
A_51_P465582	5.59E-06	0.339	**Hdhd3**	haloacid dehalogenase-like hydrolase domain containing 3
A_51_P302856	2.50E-07	0.339	**Ugt2b37**	UDP glucuronosyltransferase 2 family, polypeptide B37
A_51_P502422	7.72E-07	0.340	**Acot13**	acyl-CoA thioesterase 13
A_51_P372473	4.98E-08	0.340	**Auh**	AU RNA binding protein/enoyl-coenzyme A hydratase
A_55_P2293917	0.001361235	0.340	**1700007F19Rik**	RIKEN cDNA 1700007F19 gene
A_51_P251129	6.22E-07	0.340	**Stard8**	START domain containing 8
A_51_P139320	3.99E-09	0.340	**Pcbd1**	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 1
A_55_P2170009	9.76E-05	0.340	**Lactb2**	lactamase, beta 2
A_55_P2175545	1.01E-07	0.340	**Gys2**	glycogen synthase 2
A_55_P2094906	1.68E-06	0.340		
A_55_P1954216	2.10E-07	0.340	**Ugt3a1**	UDP glycosyltransferases 3 family, polypeptide A1
A_51_P400366	2.86E-06	0.341	**Rhbg**	Rhesus blood group-associated B glycoprotein
A_51_P103975	2.31E-10	0.341	**Brp44**	brain protein 44
A_52_P305053	1.92E-05	0.341	**B330016D10Rik**	RIKEN cDNA B330016D10 gene
A_51_P257675	6.75E-05	0.341	**Tspyl4**	TSPY-like 4
A_55_P2181542	1.18E-06	0.341	**Sult1d1**	sulfotransferase family 1D, member 1
A_66_P119123	1.63E-07	0.341	**A1cf**	APOBEC1 complementation factor
A_51_P316553	5.48E-07	0.341	**Kdr**	kinase insert domain protein receptor
A_55_P2051455	3.26E-06	0.342	**D2hgdh**	D-2-hydroxyglutarate dehydrogenase
A_51_P104891	1.18E-08	0.342	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2169963	2.22E-07	0.342	**Gm13152**	predicted gene 13152
A_55_P1996583	1.05E-10	0.342	**Ppdpf**	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA 2700038C09 gene
A_51_P221132	1.70E-08	0.342	**L2hgdh**	L-2-hydroxyglutarate dehydrogenase
A_55_P2230638	5.87E-08	0.342	**Ece1**	endothelin converting enzyme 1
A_55_P1961760	0.00012059	0.343		
A_51_P521090	0.000379046	0.343		
A_51_P498388	5.25E-05	0.343	**Sbk1**	SH3-binding kinase 1
A_52_P408736	5.76E-06	0.343	**Slc16a7**	solute carrier family 16 (monocarboxylic acid transporters), member 7
A_55_P1999057	1.45E-06	0.343	**Cps1**	carbamoyl-phosphate synthetase 1
A_55_P2019751	1.12E-05	0.343	**Paox**	polyamine oxidase (exo-N4-amino)
A_55_P2177463	1.01E-05	0.343		
A_55_P2042698	5.35E-07	0.343	**Hsd17b10**	hydroxysteroid (17-beta) dehydrogenase 10
A_52_P24843	1.31E-08	0.343	**Pten**	phosphatase and tensin homolog
A_51_P474658	0.00036881	0.344	**Esr1**	estrogen receptor 1 (alpha)
A_55_P2392365	2.07E-09	0.344	**D930001B02**	hypothetical protein D930001B02
A_55_P2075731	5.24E-05	0.344		
A_55_P2007751	0.000887527	0.344		
A_55_P2113026	0.000276107	0.344	**Foxo4**	forkhead box O4
A_55_P2134004	0.000122335	0.344	**Gstm2**	glutathione S-transferase, mu 2
A_66_P102250	1.73E-06	0.345	**Gcsh**	glycine cleavage system protein H (aminomethyl carrier)
A_55_P2065050	0.000888826	0.345		
A_30_P0102154	0.000127774	0.345		
A_55_P2016014	0.000957799	0.345	**Cpsf4l**	cleavage and polyadenylation specific factor 4-like
A_52_P125485	4.10E-06	0.345	**Slc25a48**	solute carrier family 25, member 48
A_51_P104891	3.77E-08	0.345	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P116609	0.0001643	0.345	**Tex12**	testis expressed gene 12
A_51_P155843	2.38E-07	0.345	**Igsf10**	immunoglobulin superfamily, member 10
A_66_P101393	0.000341945	0.345	**A530001N23Rik**	RIKEN cDNA A530001N23 gene
A_55_P2152872	1.20E-05	0.346	**Fgfrl1**	fibroblast growth factor receptor-like 1
A_51_P139030	3.95E-06	0.346	**Slc38a3**	solute carrier family 38, member 3
A_51_P284486	0.000126302	0.346	**Gstm2**	glutathione S-transferase, mu 2
A_55_P2062737	7.67E-06	0.346	**Elovl2**	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2

A_51_P470414	6.24E-08	0.346	**Aldh7a1**	aldehyde dehydrogenase family 7, member A1
A_55_P2033580	0.000968355	0.346	**Mmab**	methylmalonic aciduria (cobalamin deficiency) type B homolog (human)
A_55_P2125947	1.95E-05	0.346	**Agpat2**	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
A_30_P0102000	0.000356707	0.346		
A_55_P2002309	1.07E-06	0.347	**Pip5kl1**	phosphatidylinositol-4-phosphate 5-kinase-like 1
A_52_P30920	2.19E-06	0.347	**Srr**	serine racemase
A_51_P213334	3.52E-05	0.347	**Hdac11**	histone deacetylase 11
A_52_P141628	1.51E-05	0.347	**Slc23a1**	solute carrier family 23 (nucleobase transporters), member 1
A_30_P0102558	0.0004022	0.347		
A_51_P355943	0.000994755	0.348	**Mvd**	mevalonate (diphospho) decarboxylase
A_55_P1989215	4.90E-08	0.348	**Entpd8**	ectonucleoside triphosphate diphosphohydrolase 8
A_55_P1997837	7.77E-06	0.348	**Osbp2**	oxysterol binding protein 2
A_52_P964651	0.000198938	0.348	**Fam65c**	family with sequence similarity 65, member C
A_30_P0102163	0.002005062	0.348		
A_55_P2426941	2.36E-05	0.348	**Gprin3**	GPRIN family member 3
A_55_P2176535	2.18E-06	0.348	**Cyp2j5**	cytochrome P450, family 2, subfamily j, polypeptide 5
A_55_P2059332	8.83E-08	0.348	**Pnkd**	paroxysmal nonkinesiogenic dyskinesia
A_52_P274028	2.96E-05	0.348	**Ssr1**	signal sequence receptor, alpha
A_55_P1979019	5.78E-07	0.349	**Etnk2**	ethanolamine kinase 2
A_52_P399677	5.26E-06	0.349	**Tprkb**	Tp53rk binding protein
A_55_P2085445	9.76E-07	0.349	**Acsm1**	acyl-CoA synthetase medium-chain family member 1
A_51_P178828	1.72E-07	0.349	**Mbl2**	mannose-binding lectin (protein C) 2
A_30_P0102408	0.000167817	0.349		
A_51_P488554	2.90E-07	0.350	**3010026O09Rik**	RIKEN cDNA 3010026O09 gene
A_55_P2037912	1.77E-07	0.350	**Cyp2d10**	cytochrome P450, family 2, subfamily d, polypeptide 10
A_52_P58181	4.30E-07	0.350	**Suclg2**	succinate-Coenzyme A ligase, GDP-forming, beta subunit
A_55_P2171788	0.000220691	0.350		
A_55_P2115955	4.52E-07	0.350	**Raet1e**	retinoic acid early transcript 1E
A_51_P443618	2.68E-09	0.350	**0610011F06Rik**	RIKEN cDNA 0610011F06 gene
A_55_P2046198	0.000255347	0.350	**Slc25a25**	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25
A_55_P1990505	1.86E-07	0.350	**Masp2**	mannan-binding lectin serine peptidase 2
A_30_P0102171	9.00E-05	0.351		
A_51_P104891	1.16E-08	0.351	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_52_P384574	2.11E-07	0.351	**Stard4**	StAR-related lipid transfer (START) domain containing 4
A_51_P477419	6.56E-06	0.351	**Nfic**	nuclear factor I/C
A_30_P0102641	3.74E-05	0.351		
A_51_P277336	4.13E-08	0.351	**Sdpr**	serum deprivation response
A_51_P172155	1.71E-07	0.352	**Hal**	histidine ammonia lyase
A_30_P0102156	0.001371585	0.352		
A_51_P239737	3.60E-07	0.352	**Pigr**	polymeric immunoglobulin receptor
A_30_P0102425	0.000358509	0.352		
A_55_P2067563	0.000379057	0.352		
A_51_P404193	0.001108165	0.352	**Sp5**	trans-acting transcription factor 5
A_51_P273684	5.03E-06	0.353	**Gbe1**	glucan (1,4-alpha-), branching enzyme 1
A_30_P0102338	1.58E-08	0.353		
A_30_P0102905	1.83E-07	0.353		
A_55_P2022123	6.89E-05	0.353	**Spata22**	spermatogenesis associated 22
A_30_P0102317	0.002653551	0.353		
A_30_P0102937	4.91E-05	0.353		
A_51_P515120	6.62E-06	0.353	**Hs3st3a1**	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1
A_55_P1974019	1.55E-08	0.354	**Dapk1**	death associated protein kinase 1
A_55_P2120662	7.26E-08	0.354		
A_55_P2097414	0.000577425	0.354	**Hs6st1**	heparan sulfate 6-O-sulfotransferase 1
A_55_P2152049	5.72E-06	0.354	**Xrcc3**	X-ray repair complementing defective repair in Chinese hamster cells 3
A_55_P2097508	4.97E-06	0.354	**Mcc**	mutated in colorectal cancers
A_30_P0103268	6.00E-07	0.354		
A_55_P2150976	0.002562599	0.354	**Fabp5l2**	fatty acid binding protein 5-like 2
A_55_P1961983	2.79E-08	0.354	**Uqcr11**	ubiquinol-cytochrome c reductase, complex III subunit XI
A_51_P104891	3.18E-09	0.354	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2217876	4.64E-05	0.355		
A_55_P2000938	8.22E-08	0.355	**Ahcy**	S-adenosylhomocysteine hydrolase
A_66_P118863	2.73E-06	0.355	**Ncald**	neurocalcin delta
A_55_P1969431	1.35E-08	0.355	**Lyrm5**	LYR motif containing 5
A_66_P117417	1.12E-06	0.355	**Pvrl3**	poliovirus receptor-related 3
A_51_P451588	8.60E-06	0.355	**Plekhb1**	pleckstrin homology domain containing, family B (evectins) member 1
A_55_P2255449	0.000547191	0.355	**AI663975**	expressed sequence AI663975
A_55_P2029846	1.65E-07	0.356	**BC031353**	cDNA sequence BC031353
A_55_P2088018	4.01E-06	0.356	**Fhod3**	formin homology 2 domain containing 3
A_52_P239536	6.80E-06	0.356	**Ppp1r9a**	protein phosphatase 1, regulatory (inhibitor) subunit 9A
A_51_P188795	6.23E-08	0.356	**Akr7a5**	aldo-keto reductase family 7, member A5 (aflatoxin aldehyde reductase)
A_30_P0102328	0.000331034	0.356		
A_52_P553316	2.93E-06	0.356	**Snrk**	SNF related kinase
A_52_P547662	4.60E-05	0.356	**P2ry1**	purinergic receptor P2Y, G-protein coupled 1
A_55_P2105181	1.69E-05	0.356	**Bhmt**	betaine-homocysteine methyltransferase
A_55_P2150901	5.79E-05	0.356	**Foxo4**	forkhead box O4
A_55_P1953894	5.71E-07	0.356	**Mccc2**	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
A_55_P1952714	4.23E-07	0.356	**Kctd2**	potassium channel tetramerisation domain containing 2
A_55_P1984307	7.24E-07	0.356	**Gpr116**	G protein-coupled receptor 116
A_52_P16419	7.03E-06	0.357	**Gpd1**	glycerol-3-phosphate dehydrogenase 1 (soluble)
A_51_P323812	1.07E-06	0.357	**Slc6a12**	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12
A_55_P2003393	9.02E-06	0.357		
A_30_P0103022	0.003072082	0.357		
A_30_P0102390	2.24E-07	0.357		
A_55_P2186584	1.87E-08	0.357	**Shmt1**	serine hydroxymethyltransferase 1 (soluble)
A_55_P2081805	1.94E-08	0.357	**Slc46a1**	solute carrier family 46, member 1
A_55_P2099610	3.63E-06	0.357	**Plekha6**	pleckstrin homology domain containing, family A member 6
A_55_P1959223	6.83E-05	0.357		
A_51_P286946	2.39E-07	0.358	**Lhpp**	phospholysine phosphohistidine inorganic pyrophosphate phosphatase
A_55_P2119633	4.83E-06	0.358	**Gnal**	guanine nucleotide binding protein, alpha stimulating, olfactory type
A_51_P103975	3.24E-08	0.358	**Brp44**	brain protein 44
A_55_P1963915	6.16E-05	0.358	**Gm7298**	predicted gene 7298
A_66_P128931	0.001437041	0.358		
A_55_P1963184	1.76E-05	0.359		
A_66_P124715	5.96E-06	0.359	**Ppard**	peroxisome proliferator activator receptor delta
A_55_P1973447	0.000161637	0.359	**Ybx2**	Y box protein 2
A_55_P1981544	1.46E-07	0.359	**Lactb**	lactamase, beta
A_55_P2121446	0.000418814	0.359		
A_51_P339540	4.01E-08	0.360	**Cdkn1c**	cyclin-dependent kinase inhibitor 1C (P57)
A_55_P2006693	9.35E-05	0.360	**Pstpip2**	proline-serine-threonine phosphatase-interacting protein 2
A_51_P104891	2.81E-08	0.360	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2278775	2.79E-07	0.360	**9130016M20Rik**	RIKEN cDNA 9130016M20 gene
A_55_P2144285	1.32E-10	0.360	**Nnt**	nicotinamide nucleotide transhydrogenase
A_52_P24365	0.000528935	0.360	**Lrriq3**	leucine-rich repeats and IQ motif containing 3
A_55_P2081273	0.000474061	0.360	**Gabbr2**	gamma-aminobutyric acid (GABA) B receptor, 2
A_30_P0101987	0.000145596	0.360		
A_51_P506045	2.61E-12	0.360	**Pgcp**	plasma glutamate carboxypeptidase
A_55_P2079009	2.78E-07	0.360	**Slco2b1**	solute carrier organic anion transporter family, member 2b1
A_55_P2205156	1.04E-07	0.360	**1810020D17Rik**	RIKEN cDNA 1810020D17 gene
A_55_P2046494	4.25E-06	0.362	**Anubl1**	AN1, ubiquitin-like, homolog (Xenopus laevis)

A_55_P2152014	4.49E-05	0.362		
A_52_P337259	2.61E-05	0.362	**Heyl**	hairy/enhancer-of-split related with YRPW motif-like
A_55_P2167501	1.84E-05	0.362	**Acsf2**	acyl-CoA synthetase family member 2
A_51_P104891	3.59E-09	0.362	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P346893	0.005511496	0.362	**Extl1**	exostoses (multiple)-like 1
A_55_P2079927	2.95E-05	0.362	**Ccdc68**	coiled-coil domain containing 68
A_55_P2128929	8.13E-06	0.363	**Cc2d2a**	coiled-coil and C2 domain containing 2A
A_51_P496309	1.42E-06	0.363	**Rfx4**	regulatory factor X, 4 (influences HLA class II expression)
A_30_P0103360	0.000580619	0.363		
A_51_P151484	1.72E-05	0.363	**Atp1b1**	ATPase, Na+/K+ transporting, beta 1 polypeptide
A_51_P104891	7.42E-09	0.363	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2035424	1.85E-07	0.363	**Hpgd**	hydroxyprostaglandin dehydrogenase 15 (NAD)
A_51_P212679	2.07E-06	0.363	**Cwf19l1**	CWF19-like 1, cell cycle control (S. pombe)
A_55_P2024290	1.56E-07	0.363	**Fam149a**	family with sequence similarity 149, member A
A_51_P422369	3.64E-05	0.364	**Odf3b**	outer dense fiber of sperm tails 3B
A_66_P138584	2.51E-09	0.364	**Mnd1**	meiotic nuclear divisions 1 homolog (S. cerevisiae)
A_51_P264634	1.82E-06	0.364	**Strbp**	spermatid perinuclear RNA binding protein
A_52_P18765	1.43E-05	0.364	**Hsbp1l1**	heat shock factor binding protein 1-like 1
A_30_P0102070	0.002752905	0.364		
A_30_P0101754	8.82E-07	0.364		
A_55_P1954758	2.75E-05	0.364	**Prickle1**	prickle homolog 1 (Drosophila)
A_51_P238183	1.33E-06	0.364	**Etnk2**	ethanolamine kinase 2
A_52_P239735	3.68E-06	0.365	**Sdf4**	stromal cell derived factor 4
A_55_P2419514	0.000317744	0.365	**Ccny**	cyclin Y
A_51_P217382	3.06E-10	0.365	**Kif1c**	kinesin family member 1C
A_55_P2113310	5.80E-06	0.365		
A_30_P0101960	2.41E-07	0.365		
A_51_P130110	3.67E-08	0.366	**Idh3b**	isocitrate dehydrogenase 3 (NAD+) beta
A_55_P2117164	2.28E-09	0.366	**Tmem106b**	transmembrane protein 106B
A_52_P132165	2.77E-08	0.366	**Hsd17b11**	hydroxysteroid (17-beta) dehydrogenase 11
A_55_P2128085	1.02E-08	0.366	**LOC674321**	glycine cleavage system H protein, mitochondrial-like
A_51_P101573	3.54E-09	0.366	**Klc4**	kinesin light chain 4
A_55_P1996504	2.00E-06	0.366	**Abcg2**	ATP-binding cassette, sub-family G (WHITE), member 2
A_55_P2109033	1.62E-05	0.366	**Hmgcs2**	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2
A_55_P1960043	4.21E-05	0.366	**Sec31b**	Sec31 homolog B (S. cerevisiae)
A_55_P2078285	5.18E-05	0.366	**Uck1**	uridine-cytidine kinase 1
A_66_P104815	4.83E-07	0.367	**Ecm1**	extracellular matrix protein 1
A_55_P1953387	0.004094145	0.367	**Fabp5**	fatty acid binding protein 5, epidermal
A_55_P2013465	1.82E-06	0.367	**L2hgdh**	L-2-hydroxyglutarate dehydrogenase
A_30_P0102413	8.25E-06	0.367		
A_52_P30451	3.54E-05	0.367	**Ppp1r3c**	protein phosphatase 1, regulatory (inhibitor) subunit 3C
A_51_P245789	0.000149003	0.367	**Pcolce2**	procollagen C-endopeptidase enhancer 2
A_55_P1971237	4.65E-07	0.367	**Mup3**	major urinary protein 3
A_51_P426276	2.97E-08	0.367	**Pdk2**	pyruvate dehydrogenase kinase, isoenzyme 2
A_55_P2413458	3.13E-05	0.367	**Tcfcp2l1**	transcription factor CP2-like 1
A_55_P2126192	9.50E-06	0.367	**Lgr5**	leucine rich repeat containing G protein coupled receptor 5
A_66_P111021	1.58E-06	0.367	**Nlrp6**	NLR family, pyrin domain containing 6
A_55_P2018549	1.41E-08	0.367	**Gcsh**	glycine cleavage system protein H (aminomethyl carrier)
A_55_P2090577	4.89E-05	0.367	**Abat**	4-aminobutyrate aminotransferase
A_55_P2165324	0.000224781	0.368	**Acsl3**	acyl-CoA synthetase long-chain family member 3
A_51_P116609	0.001343153	0.368	**Tex12**	testis expressed gene 12
A_66_P136099	5.67E-09	0.368	**Coasy**	Coenzyme A synthase
A_55_P2071834	2.82E-06	0.368	**Tln2**	talin 2
A_55_P2059352	7.55E-08	0.368	**Col18a1**	collagen, type XVIII, alpha 1
A_55_P1987694	6.66E-07	0.368	**Ptprd**	protein tyrosine phosphatase, receptor type, D
A_52_P341339	4.12E-05	0.368	**Sos1**	son of sevenless homolog 1 (Drosophila)
A_51_P411909	4.75E-05	0.369	**Sirt5**	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)
A_55_P2207342	1.99E-06	0.369	**1810059H22Rik**	RIKEN cDNA 1810059H22 gene
A_52_P185044	2.74E-07	0.369	**Adipor2**	adiponectin receptor 2
A_51_P198694	2.38E-06	0.369	**Gckr**	glucokinase regulatory protein
A_51_P106527	5.27E-07	0.369	**Fam195a**	family with sequence similarity 195, member A
A_52_P521882	5.26E-05	0.369	**Hddc3**	HD domain containing 3
A_66_P126640	1.37E-06	0.369	**Car8**	carbonic anhydrase 8
A_55_P2099700	1.75E-09	0.370		
A_55_P2288117	2.55E-07	0.370	**Ppp2ca**	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform
A_52_P661722	5.09E-08	0.370	**Mosc2**	MOCO sulphurase C-terminal domain containing 2
A_51_P418935	5.09E-05	0.370	**Neurl2**	neuralized-like 2 (Drosophila)
A_51_P280401	0.000929922	0.371	**Tcta**	T-cell leukemia translocation altered gene
A_55_P2370210	8.47E-06	0.371	**1700025K04Rik**	RIKEN cDNA 1700025K04 gene
A_51_P386503	3.35E-07	0.371	**Abhd15**	abhydrolase domain containing 15
A_52_P127325	4.74E-08	0.371	**AI182371**	expressed sequence AI182371
A_55_P2086687	3.50E-08	0.371	**Nfib**	nuclear factor I/B
A_51_P148612	1.77E-05	0.372	**Cox7a1**	cytochrome c oxidase, subunit VIIa 1
A_55_P2056995	8.12E-07	0.372	**Gcgr**	glucagon receptor
A_51_P308048	4.09E-08	0.372	**Cmtm8**	CKLF-like MARVEL transmembrane domain containing 8
A_30_P0102941	2.27E-07	0.372		
A_55_P2132512	4.44E-08	0.372	**Ngef**	neuronal guanine nucleotide exchange factor
A_30_P0103252	4.96E-08	0.372		
A_55_P2131428	0.000321187	0.372	**Tlr5**	toll-like receptor 5
A_51_P245156	1.83E-09	0.373	**Gdf2**	growth differentiation factor 2
A_55_P2136935	3.16E-05	0.373	**Rgs7bp**	regulator of G-protein signalling 7 binding protein
A_55_P2048767	2.30E-07	0.373	**Efemp1**	epidermal growth factor-containing fibulin-like extracellular matrix protein 1
A_51_P137388	1.41E-06	0.373	**Zadh2**	zinc binding alcohol dehydrogenase, domain containing 2
A_52_P474814	1.62E-05	0.373	**4921506M07Rik**	RIKEN cDNA 4921506M07 gene
A_51_P144581	5.25E-08	0.374	**Pgrmc1**	progesterone receptor membrane component 1
A_52_P660047	2.20E-05	0.374		
A_55_P2050622	1.41E-07	0.374	**Sh3d19**	SH3 domain protein D19
A_55_P2141068	3.47E-05	0.374	**Ccdc109a**	coiled-coil domain containing 109A
A_30_P0103277	1.45E-06	0.374		
A_66_P135372	1.17E-05	0.375		
A_51_P116609	4.06E-05	0.375	**Tex12**	testis expressed gene 12
A_55_P2122334	4.74E-06	0.375	**Nfic**	nuclear factor I/C
A_52_P579531	0.000737268	0.375	**Pdlim3**	PDZ and LIM domain 3
A_55_P2090519	2.01E-10	0.375	**Ppdpf**	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA 2700038C09 gene
A_30_P0101913	1.34E-07	0.375		
A_52_P609868	0.000221174	0.375	**Timd4**	T-cell immunoglobulin and mucin domain containing 4
A_55_P2029101	0.001922716	0.376	**Lcorl**	ligand dependent nuclear receptor corepressor-like
A_51_P463087	0.004341041	0.376	**Cenpm**	centromere protein M
A_55_P2000783	0.000256327	0.376	**Axin2**	axin2
A_55_P1954378	0.000403213	0.376		
A_52_P116134	1.62E-09	0.376	**Aldh2**	aldehyde dehydrogenase 2, mitochondrial
A_55_P2002572	2.03E-07	0.376	**Ephx2**	epoxide hydrolase 2, cytoplasmic
A_55_P2068723	1.08E-06	0.376	**Ccl27a**	chemokine (C-C motif) ligand 27A
A_55_P1970414	7.68E-08	0.376	**Mccc1**	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)
A_55_P2096967	8.10E-08	0.377	**Gjb1**	gap junction protein, beta 1
A_51_P295967	1.84E-08	0.377	**Proc**	protein C
A_55_P2093023	2.02E-06	0.377	**Xrcc6bp1**	XRCC6 binding protein 1
A_55_P1972104	2.68E-07	0.377	**Acsm3**	acyl-CoA synthetase medium-chain family member 3
A_55_P1975080	2.83E-07	0.377	**Ugt2b5**	UDP glucuronosyltransferase 2 family, polypeptide B5

A_52_P59579	1.28E-08	0.377	**Tmbim6**	transmembrane BAX inhibitor motif containing 6
A_52_P171212	5.10E-05	0.377	**Irs1**	insulin receptor substrate 1
A_51_P444052	4.79E-07	0.377	**Scp2**	sterol carrier protein 2, liver
A_30_P0102743	1.58E-08	0.377		
A_55_P1990383	0.001392182	0.377	**Car5b**	carbonic anhydrase 5b, mitochondrial
A_30_P0103340	6.74E-05	0.377		
A_55_P1960738	1.09E-05	0.377	**Gm4470**	predicted gene 4470
A_30_P0101977	9.05E-08	0.377		
A_55_P2079324	2.77E-07	0.378	**Sephs2**	selenophosphate synthetase 2
A_55_P2014169	5.36E-09	0.378	**Ppa2**	pyrophosphatase (inorganic) 2
A_55_P1969181	0.000171036	0.378	**Paox**	polyamine oxidase (exo-N4-amino)
A_30_P0102396	5.73E-07	0.378		
A_51_P104891	4.23E-09	0.378	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_55_P2021398	0.000307686	0.379		
A_51_P465161	3.52E-05	0.379	**Hoga1**	4-hydroxy-2-oxoglutarate aldolase 1
A_55_P2076545	1.00E-06	0.379	**F5**	coagulation factor V
A_55_P2419495	8.07E-05	0.379	**1110028F11Rik**	RIKEN cDNA 1110028F11 gene
A_51_P503654	1.64E-07	0.379	**Tmem205**	transmembrane protein 205
A_55_P2068734	4.16E-08	0.379	**Ccl27a**	chemokine (C-C motif) ligand 27A
A_52_P275678	0.001402561	0.379	**Gpr135**	G protein-coupled receptor 135
A_52_P592909	4.74E-06	0.380	**Dgat2**	diacylglycerol O-acyltransferase 2
A_51_P176387	2.27E-08	0.380	**Hook3**	hook homolog 3 (Drosophila)
A_55_P2116054	2.69E-06	0.380	**Caprin1**	cell cycle associated protein 1
A_55_P2146640	3.70E-06	0.380		
A_51_P124126	7.05E-08	0.380	**Cyp2d22**	cytochrome P450, family 2, subfamily d, polypeptide 22
A_51_P200667	9.58E-05	0.380	**Clmn**	calmin
A_51_P410949	6.24E-07	0.381	**Polr3g**	polymerase (RNA) III (DNA directed) polypeptide G
A_55_P2119772	0.002295818	0.381	**Scn3a**	sodium channel, voltage-gated, type III, alpha
A_66_P134405	0.001786572	0.381	**Axin2**	axin2
A_55_P1961241	9.78E-08	0.381		
A_55_P1970810	2.66E-05	0.381	**Agpat2**	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
A_52_P111145	0.00141946	0.381	**Gabbr2**	gamma-aminobutyric acid (GABA) B receptor, 2
A_51_P242859	2.42E-07	0.381	**Akr1c12**	aldo-keto reductase family 1, member C12
A_55_P2346644	0.002997724	0.381	**C730037M02Rik**	RIKEN cDNA C730037M02 gene
A_52_P388359	1.87E-06	0.381	**Prdx6**	peroxiredoxin 6
A_55_P1954356	2.83E-05	0.381	**Ttc23**	tetratricopeptide repeat domain 23
A_30_P0102636	0.000268587	0.382		
A_51_P419971	1.06E-08	0.382	**Tmem106b**	transmembrane protein 106B
A_52_P428735	2.33E-05	0.382	**Lrp2bp**	Lrp2 binding protein
A_51_P491504	5.11E-06	0.382	**Aldh5a1**	aldhehyde dehydrogenase family 5, subfamily A1
A_52_P412529	2.18E-09	0.382	**Fbxo3**	F-box protein 3
A_51_P125648	4.00E-06	0.382	**Vwce**	von Willebrand factor C and EGF domains
A_30_P0102178	3.00E-06	0.382		
A_30_P0102716	2.72E-07	0.382		
A_55_P1960366	9.74E-05	0.382	**Fam47e**	family with sequence similarity 47, member E
A_55_P1996578	1.58E-06	0.383	**Fgfr3**	fibroblast growth factor receptor 3
A_30_P0102472	4.20E-08	0.383		
A_65_P03022	1.04E-06	0.383	**Cdc14b**	CDC14 cell division cycle 14 homolog B (S. cerevisiae)
A_55_P2119927	1.09E-05	0.383		
A_52_P449871	0.001353057	0.383	**Id4**	inhibitor of DNA binding 4
A_55_P2045528	0.001042369	0.383		
A_52_P603038	0.0064645	0.383	**Olig1**	oligodendrocyte transcription factor 1
A_66_P108152	5.60E-08	0.384	**Cbr1**	carbonyl reductase 1
A_51_P249335	1.58E-06	0.384	**Sds**	serine dehydratase
A_55_P2058933	1.44E-09	0.384	**Kif1b**	kinesin family member 1B
A_52_P381430	2.76E-08	0.384	**Tbc1d4**	TBC1 domain family, member 4
A_55_P1995404	1.76E-05	0.384	**Cd59b**	CD59b antigen
A_55_P1985239	5.14E-05	0.384	**Necab1**	N-terminal EF-hand calcium binding protein 1
A_55_P1991295	3.06E-05	0.384	**BC029214**	cDNA sequence BC029214
A_55_P1966169	4.15E-11	0.385	**Ppdpf**	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA 2700038C09 gene
A_55_P2180086	0.000197127	0.385	**Lrrc28**	leucine rich repeat containing 28
A_55_P2181752	1.94E-05	0.385		
A_51_P385598	1.44E-05	0.385	**Slc37a4**	solute carrier family 37 (glucose-6-phosphate transporter), member 4
A_51_P207706	0.003262595	0.385	**Fam180a**	family with sequence similarity 180, member A
A_52_P534749	4.71E-05	0.385	**Npas2**	neuronal PAS domain protein 2
A_51_P104891	5.48E-09	0.386	**Ept1**	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
A_51_P461877	0.000135184	0.386	**Thbs2**	thrombospondin 2
A_66_P102879	1.76E-07	0.386	**Thra**	thyroid hormone receptor alpha
A_30_P0102347	0.000100739	0.386		
A_55_P1996314	3.53E-06	0.386	**Amy2a5**	amylase 2a5
A_51_P232399	7.23E-08	0.387	**Acy3**	aspartoacylase (aminoacylase) 3
A_55_P2117843	8.79E-09	0.387	**Coasy**	Coenzyme A synthase
A_55_P2148062	6.58E-05	0.387	**Apol7c**	apolipoprotein L 7c
A_52_P356068	1.13E-07	0.387	**Proz**	protein Z, vitamin K-dependent plasma glycoprotein
A_52_P137371	0.001962967	0.387	**Hmgcr**	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
A_51_P487175	4.29E-07	0.387	**Acsm3**	acyl-CoA synthetase medium-chain family member 3
A_55_P2168301	1.71E-08	0.387	**Slc46a1**	solute carrier family 46, member 1
A_55_P1993263	3.06E-06	0.387	**Chic1**	cysteine-rich hydrophobic domain 1
A_51_P428781	0.001030866	0.387	**Pbx4**	pre-B-cell leukemia homeobox 4
A_52_P515036	2.56E-07	0.388	**Htatip2**	HIV-1 tat interactive protein 2, homolog (human)
A_51_P512783	2.34E-07	0.388	**Fam82b**	family with sequence similarity 82, member B
A_55_P2003483	8.00E-06	0.388	**Gldc**	glycine decarboxylase
A_52_P171019	1.56E-06	0.388	**Man1a**	mannosidase 1, alpha
A_52_P582112	3.67E-07	0.388	**Hcfc1r1**	host cell factor C1 regulator 1 (XPO1-dependent)
A_55_P2130399	5.43E-07	0.389	**Rilp**	Rab interacting lysosomal protein
A_55_P2051885	7.73E-09	0.389	**Bco2**	beta-carotene oxygenase 2
A_55_P2047188	2.79E-06	0.389	**Fgf1**	fibroblast growth factor 1
A_51_P269078	2.78E-06	0.389	**Habp4**	hyaluronic acid binding protein 4
A_55_P2084910	5.16E-05	0.389	**Zfp385b**	zinc finger protein 385B
A_51_P193173	0.000213111	0.389	**Slc25a25**	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25
A_55_P1967659	7.80E-07	0.390	**Lactb**	lactamase, beta
A_51_P491227	2.19E-07	0.390	**Suclg1**	succinate-CoA ligase, GDP-forming, alpha subunit
A_51_P499816	1.16E-06	0.390	**Pbld1**	phenazine biosynthesis-like protein domain containing 1
A_52_P51548	1.92E-05	0.391	**Pard3**	par-3 (partitioning defective 3) homolog (C. elegans)
A_51_P372456	0.003521646	0.391	**Wdr86**	WD repeat domain 86
A_51_P435198	2.58E-06	0.391	**Cryz**	crystallin, zeta
A_51_P401964	6.63E-08	0.391	**Aph1a**	anterior pharynx defective 1a homolog (C. elegans)
A_51_P461429	6.26E-05	0.391	**Cyp7b1**	cytochrome P450, family 7, subfamily b, polypeptide 1
A_55_P2184009	0.000637603	0.391	**Rnd2**	Rho family GTPase 2
A_30_P0103118	0.000201586	0.391		
A_55_P2061690	1.90E-08	0.392	**Atp5d**	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
A_55_P2058122	2.36E-05	0.392	**Ccbl2**	cysteine conjugate-beta lyase 2
A_66_P114451	0.000324432	0.392	**Gpr126**	G protein-coupled receptor 126
A_51_P516615	3.45E-07	0.392	**Ndufb10**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10
A_55_P1970583	7.72E-08	0.392	**Ttc38**	tetratricopeptide repeat domain 38
A_51_P396917	1.66E-06	0.393	**Zfyve21**	zinc finger, FYVE domain containing 21
A_55_P1990500	9.97E-08	0.393	**Masp2**	mannan-binding lectin serine peptidase 2
A_66_P109800	4.97E-08	0.393	**Gcsh**	glycine cleavage system protein H (aminomethyl carrier)
A_55_P2163812	2.51E-06	0.393	**Sept4**	septin 4

A_55_P2072611	7.24E-07	0.393	**Mosc1**	MOCO sulphurase C-terminal domain containing 1
A_55_P1972991	3.36E-09	0.394	**Pcsk6**	proprotein convertase subtilisin/kexin type 6
A_52_P134141	1.68E-09	0.394	**Pigy**	phosphatidylinositol glycan anchor biosynthesis, class Y
A_51_P312437	4.32E-05	0.394	**Dhrs7**	dehydrogenase/reductase (SDR family) member 7
A_30_P0102225	0.000516727	0.394		
A_55_P2112225	1.34E-05	0.394		
A_51_P125648	1.19E-05	0.394	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2068350	7.66E-08	0.394	**Ido2**	indoleamine 2,3-dioxygenase 2
A_55_P2035029	1.54E-07	0.395		
A_51_P437144	1.19E-08	0.395	**Dynll2**	dynein light chain LC8-type 2
A_55_P2020128	5.51E-08	0.395	**Dhrs3**	dehydrogenase/reductase (SDR family) member 3
A_55_P1975315	0.000199002	0.395	**Crygs**	crystallin, gamma S
A_55_P2083481	0.004573151	0.395	**Lpin1**	lipin 1
A_55_P2065567	2.53E-09	0.395	**Chac2**	ChaC, cation transport regulator homolog 2 (E. coli)
A_51_P320481	1.79E-09	0.395	**Mcee**	methylmalonyl CoA epimerase
A_55_P1994942	2.36E-05	0.395	**Rorc**	RAR-related orphan receptor gamma
A_55_P1981836	1.34E-05	0.396	**BC020535**	cDNA sequence BC020535
A_55_P2016193	2.46E-05	0.396	**1110018J18Rik**	RIKEN cDNA 1110018J18 gene
A_51_P490023	0.001155633	0.396	**Tubb2a**	tubulin, beta 2A
A_55_P2302290	0.000281887	0.396	**E230012P03**	hypothetical protein E230012P03
A_55_P2112637	1.11E-06	0.396		
A_51_P110341	0.005512182	0.397	**Scgb3a1**	secretoglobin, family 3A, member 1
A_55_P2185504	3.22E-08	0.397	**Masp2**	mannan-binding lectin serine peptidase 2
A_51_P259750	1.76E-05	0.397		
A_52_P559557	5.01E-06	0.397	**BC026585**	cDNA sequence BC026585
A_55_P2427685	2.07E-07	0.397	**Agl**	amylo-1,6-glucosidase, 4-alpha-glucanotransferase
A_51_P112308	0.002099781	0.398	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_30_P0103282	4.08E-08	0.398		
A_30_P0103078	4.49E-05	0.398		
A_55_P2077048	0.001217839	0.398	**Itih5**	inter-alpha (globulin) inhibitor H5
A_55_P2176731	1.74E-09	0.398	**Prdx6**	peroxiredoxin 6
A_55_P2070766	0.00043475	0.398		
A_51_P399071	7.53E-07	0.398	**Anp32a**	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
A_51_P395111	2.85E-07	0.398	**Nme3**	non-metastatic cells 3, protein expressed in
A_51_P125648	3.46E-06	0.399	**Vwce**	von Willebrand factor C and EGF domains
A_51_P249118	9.22E-07	0.399	**Abcb4**	ATP-binding cassette, sub-family B (MDR/TAP), member 4
A_51_P472879	1.78E-06	0.399	**Masp1**	mannan-binding lectin serine peptidase 1
A_55_P1979743	1.00E-07	0.399	**Uqcr11**	ubiquinol-cytochrome c reductase, complex III subunit XI
A_52_P883557	5.81E-06	0.399	**Slc30a10**	solute carrier family 30, member 10
A_51_P125648	6.92E-06	0.399	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2394968	0.000195059	0.400	**C530030K21Rik**	RIKEN cDNA C530030K21 gene
A_55_P2143431	5.84E-10	0.400	**Nfib**	nuclear factor I/B
A_55_P2121913	4.86E-10	0.400	**Adi1**	acireductone dioxygenase 1
A_51_P116609	0.000767171	0.400	**Tex12**	testis expressed gene 12
A_55_P2161585	2.45E-08	0.401	**Coq10a**	coenzyme Q10 homolog A (yeast)
A_51_P125648	2.52E-06	0.401	**Vwce**	von Willebrand factor C and EGF domains
A_30_P0101756	2.49E-05	0.401		
A_51_P112308	0.003958422	0.401	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_30_P0101895	3.88E-07	0.401		
A_55_P2149500	1.68E-05	0.401	**Kifc2**	kinesin family member C2
A_55_P1968195	1.36E-06	0.402	**Cyp2d13**	cytochrome P450, family 2, subfamily d, polypeptide 13
A_55_P1957282	7.23E-05	0.402		
A_55_P2083929	0.00091862	0.402	**Robo2**	roundabout homolog 2 (Drosophila)
A_51_P389988	7.59E-05	0.402	**Slc40a1**	solute carrier family 40 (iron-regulated transporter), member 1
A_55_P2109932	3.49E-06	0.403	**Tmem63b**	transmembrane protein 63b
A_51_P338878	0.000297482	0.403	**P2ry12**	purinergic receptor P2Y, G-protein coupled 12
A_51_P116651	0.00073907	0.403	**Dpt**	dermatopontin
A_51_P125648	1.88E-06	0.403	**Vwce**	von Willebrand factor C and EGF domains
A_51_P204898	0.000180435	0.403	**1700008A04Rik**	RIKEN cDNA 1700008A04 gene
A_55_P2013586	0.006388867	0.403	**Prss8**	protease, serine, 8 (prostasin)
A_55_P1985015	1.51E-06	0.403	**Pard3**	par-3 (partitioning defective 3) homolog (C. elegans)
A_55_P2066559	0.002305245	0.404	**Endou**	endonuclease, polyU-specific
A_66_P136778	6.29E-06	0.404	**Mapk15**	mitogen-activated protein kinase 15
A_51_P112308	0.00230042	0.404	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P112308	0.002922714	0.404	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P317640	2.92E-05	0.404	**Tgfb2**	transforming growth factor, beta 2
A_51_P440238	4.35E-05	0.404	**Ggt6**	gamma-glutamyltransferase 6
A_51_P112308	0.002813246	0.404	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2183172	7.93E-09	0.405	**Rdx**	radixin
A_55_P1984366	4.95E-08	0.405	**Cdadc1**	cytidine and dCMP deaminase domain containing 1
A_55_P2095899	0.000217482	0.405	**2310057B04Rik**	RIKEN cDNA 2310057B04 gene
A_55_P1991109	2.25E-07	0.405	**D10Jhu81e**	DNA segment, Chr 10, Johns Hopkins University 81 expressed
A_55_P1998001	8.52E-05	0.405	**DXBay18**	DNA segment, Chr X, Baylor 18
A_55_P2074766	2.25E-05	0.405	**Mug2**	murinoglobulin 2
A_55_P2011410	1.34E-07	0.405	**Pdzk1**	PDZ domain containing 1
A_51_P458778	5.46E-07	0.405	**Hpgd**	hydroxyprostaglandin dehydrogenase 15 (NAD)
A_55_P2052485	4.29E-06	0.405	**Ushbp1**	Usher syndrome 1C binding protein 1
A_55_P2015032	1.07E-06	0.405	**Kazald1**	Kazal-type serine peptidase inhibitor domain 1
A_52_P348031	4.89E-06	0.406	**Syt9**	synaptotagmin IX
A_55_P2161465	2.82E-05	0.406	**Gm10516**	predicted gene 10516
A_55_P1992019	0.00012316	0.406	**Ptpru**	protein tyrosine phosphatase, receptor type, U
A_55_P1958137	2.73E-06	0.406		
A_65_P10195	0.002241401	0.406	**Myl7**	myosin, light polypeptide 7, regulatory
A_66_P123155	6.21E-08	0.406	**Ddo**	D-aspartate oxidase
A_51_P117995	8.26E-07	0.407	**Pfkm**	phosphofructokinase, muscle
A_55_P1979650	6.48E-08	0.407	**S100a1**	S100 calcium binding protein A1
A_51_P112308	0.002473013	0.407	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P368823	0.000136172	0.407	**Grb7**	growth factor receptor bound protein 7
A_55_P2013601	4.30E-07	0.407	**Ldb2**	LIM domain binding 2
A_55_P2079713	7.32E-06	0.407	**Gramd1c**	GRAM domain containing 1C
A_51_P260035	2.64E-07	0.407	**Sar1b**	SAR1 gene homolog B (S. cerevisiae)
A_51_P338600	1.12E-06	0.407	**Tmem14c**	transmembrane protein 14C
A_55_P2027701	1.94E-10	0.407		
A_51_P116609	3.80E-05	0.408	**Tex12**	testis expressed gene 12
A_51_P453963	2.28E-05	0.408	**9530008L14Rik**	RIKEN cDNA 9530008L14 gene
A_51_P491916	0.002366212	0.408	**Rassf6**	Ras association (RalGDS/AF-6) domain family member 6
A_55_P2386236	4.49E-08	0.408	**Ceacam2**	carcinoembryonic antigen-related cell adhesion molecule 2
A_55_P2048194	0.000189464	0.409	**Wscd1**	WSC domain containing 1
A_51_P449995	0.000285703	0.409	**C6**	complement component 6
A_55_P2061076	3.39E-05	0.409	**Gm3219**	B-cell CLL/lymphoma 7C pseudogene
A_30_P0102108	0.001186848	0.409		
A_51_P117995	2.39E-07	0.409	**Pfkm**	phosphofructokinase, muscle
A_55_P2091928	4.27E-06	0.409	**Raet1b**	retinoic acid early transcript beta
A_55_P2144090	1.15E-06	0.409		
A_55_P1998651	3.77E-05	0.409	**Entpd5**	ectonucleoside triphosphate diphosphohydrolase 5
A_51_P125648	2.99E-06	0.409	**Vwce**	von Willebrand factor C and EGF domains
A_55_P1970826	0.000525392	0.409	**Adamts5**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)
A_51_P117995	2.12E-07	0.409	**Pfkm**	phosphofructokinase, muscle
A_51_P348183	9.33E-07	0.410	**Tmem141**	transmembrane protein 141

A_51_P247873	8.10E-08	0.410	**Ndufb8**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8
A_55_P1959938	7.02E-05	0.410	**Pde7b**	phosphodiesterase 7B
A_51_P303089	3.63E-05	0.410	**Ttc28**	tetratricopeptide repeat domain 28
A_55_P2096827	1.13E-05	0.410	**Art3**	ADP-ribosyltransferase 3
A_51_P375987	4.13E-05	0.411	**Fign**	fidgetin
A_52_P338956	2.56E-06	0.411	**Aspg**	asparaginase homolog (S. cerevisiae)
A_55_P2051701	1.00E-09	0.411	**Pbx1**	pre B-cell leukemia transcription factor 1
A_52_P51078	6.83E-09	0.411	**Ctsh**	cathepsin H
A_51_P117995	1.59E-07	0.411	**Pfkm**	phosphofructokinase, muscle
A_55_P2077497	6.47E-05	0.411	**BC005624**	cDNA sequence BC005624
A_55_P1953899	9.01E-08	0.411	**Mccc1**	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)
A_55_P2198946	4.64E-08	0.412	**Gm10768**	predicted gene 10768
A_66_P105830	7.67E-08	0.412	**1700028B04Rik**	RIKEN cDNA 1700028B04 gene
A_55_P2330822	3.88E-07	0.412	**AU019278**	expressed sequence AU019278
A_51_P116651	0.001048707	0.412	**Dpt**	dermatopontin
A_51_P178735	1.10E-07	0.412	**Hibch**	3-hydroxyisobutyryl-Coenzyme A hydrolase
A_30_P0103088	0.001324574	0.413		
A_55_P1996518	7.92E-09	0.413	**Arhgap42**	Rho GTPase activating protein 42
A_51_P117995	3.37E-07	0.413	**Pfkm**	phosphofructokinase, muscle
A_55_P2092668	9.22E-05	0.413	**Ccbl2**	cysteine conjugate-beta lyase 2
A_52_P534235	0.000150086	0.413	**Srms**	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites
A_52_P423364	6.24E-05	0.413	**Fbxl7**	F-box and leucine-rich repeat protein 7
A_51_P116651	0.000267143	0.413	**Dpt**	dermatopontin
A_30_P0103032	1.56E-07	0.413		
A_55_P2164909	3.07E-07	0.413	**D10Jhu81e**	DNA segment, Chr 10, Johns Hopkins University 81 expressed
A_55_P1953972	3.36E-05	0.413	**Pdhb**	pyruvate dehydrogenase (lipoamide) beta
A_51_P117995	9.10E-07	0.413	**Pfkm**	phosphofructokinase, muscle
A_55_P1961129	0.000181292	0.413	**Egfem1**	EGF-like and EMI domain containing 1
A_52_P237077	2.91E-07	0.414	**Esr1**	estrogen receptor 1 (alpha)
A_65_P06147	4.63E-07	0.414	**Fgfr3**	fibroblast growth factor receptor 3
A_55_P1992617	4.09E-05	0.414	**Clec1b**	C-type lectin domain family 1, member b
A_55_P2066976	1.01E-06	0.414	**Acsm1**	acyl-CoA synthetase medium-chain family member 1
A_30_P0102126	1.07E-07	0.414		
A_51_P456721	1.07E-08	0.414	**Azgp1**	alpha-2-glycoprotein 1, zinc
A_30_P0102727	9.42E-09	0.414		
A_55_P1988433	4.01E-08	0.414	**Stard7**	START domain containing 7
A_52_P506529	1.20E-06	0.414	**Rabgap1l**	RAB GTPase activating protein 1-like
A_51_P287198	0.001076757	0.414	**Krt23**	keratin 23
A_55_P2033435	6.47E-08	0.415	**1300002K09Rik**	RIKEN cDNA 1300002K09 gene
A_51_P112308	0.002784998	0.415	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P116651	0.001279676	0.415	**Dpt**	dermatopontin
A_55_P2045802	2.56E-08	0.415	**Nelf**	nasal embryonic LHRH factor
A_51_P125648	4.54E-06	0.415	**Vwce**	von Willebrand factor C and EGF domains
A_55_P2063654	1.58E-05	0.415	**Mup20**	major urinary protein 20
A_30_P0103284	8.60E-07	0.415		
A_51_P140347	6.40E-07	0.415	**Slc4a9**	solute carrier family 4, sodium bicarbonate cotransporter, member 9
A_30_P0101998	9.45E-05	0.415		
A_51_P441914	6.26E-06	0.415	**Hsd17b2**	hydroxysteroid (17-beta) dehydrogenase 2
A_52_P302496	1.00E-08	0.415	**Fah**	fumarylacetoacetate hydrolase
A_55_P2129172	0.000299801	0.416	**Rab40b**	Rab40b, member RAS oncogene family
A_51_P212420	0.000125066	0.416	**Lama4**	laminin, alpha 4
A_55_P2008417	4.80E-09	0.416	**Mnd1**	meiotic nuclear divisions 1 homolog (S. cerevisiae)
A_51_P448971	5.17E-05	0.416	**Sncb**	synuclein, beta
A_51_P331207	1.41E-05	0.416	**Tmem218**	transmembrane protein 218
A_55_P2060996	3.10E-06	0.416		
A_55_P2039289	5.82E-06	0.416	**Hspb6**	heat shock protein, alpha-crystallin-related, B6
A_51_P112308	0.002383196	0.416	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_55_P2168663	1.99E-07	0.416	**Atp5k**	ATP synthase, H+ transporting, mitochondrial F1F0 complex, subunit e
A_51_P340355	4.39E-09	0.416	**Tarsl2**	threonyl-tRNA synthetase-like 2
A_51_P116651	0.000341297	0.416	**Dpt**	dermatopontin
A_55_P1966332	6.44E-07	0.416	**Plac9**	placenta specific 9
A_55_P2100928	0.002011962	0.417	**Ptgds**	prostaglandin D2 synthase (brain)
A_55_P1988413	0.005305902	0.417	**Dpysl4**	dihydropyrimidinase-like 4
A_55_P2185323	3.61E-06	0.417	**Gmps**	guanine monophosphate synthetase
A_51_P117995	6.17E-07	0.417	**Pfkm**	phosphofructokinase, muscle
A_51_P512627	3.04E-06	0.417	**Syngr4**	synaptogyrin 4
A_30_P0103343	0.00050649	0.417		
A_30_P0101827	0.00081447	0.417		
A_55_P2020497	0.000249448	0.417	**Dcaf12l1**	DDB1 and CUL4 associated factor 12-like 1
A_55_P2030155	1.26E-06	0.417	**Slco2b1**	solute carrier organic anion transporter family, member 2b1
A_55_P2006703	7.62E-08	0.417	**Bmp1**	bone morphogenetic protein 1
A_52_P476560	2.44E-06	0.417	**Tpcn1**	two pore channel 1
A_52_P471282	1.24E-06	0.417	**Fmo4**	flavin containing monooxygenase 4
A_66_P128446	8.77E-07	0.417	**Ttpa**	tocopherol (alpha) transfer protein
A_55_P2032823	3.29E-06	0.418	**Trim2**	tripartite motif-containing 2
A_55_P1989772	7.97E-07	0.418	**Sqrdl**	sulfide quinone reductase-like (yeast)
A_55_P2000022	0.002494654	0.418	**Ccdc151**	coiled-coil domain containing 151
A_51_P116609	0.000138735	0.418	**Tex12**	testis expressed gene 12
A_51_P257419	6.03E-07	0.418	**Lhx2**	LIM homeobox protein 2
A_55_P2074762	1.36E-05	0.418	**Lect2**	leukocyte cell-derived chemotaxin 2
A_52_P506316	7.46E-06	0.418	**Fbxo8**	F-box protein 8
A_52_P480088	1.64E-06	0.418	**Col27a1**	collagen, type XXVII, alpha 1
A_55_P2073526	2.23E-08	0.418	**H2-Ke6**	H2-K region expressed gene 6
A_55_P2151308	7.89E-07	0.419		
A_55_P2087399	2.11E-06	0.419	**Tex22**	testis expressed gene 22
A_51_P125260	1.57E-07	0.419	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_51_P432659	3.28E-08	0.419	**Pex7**	peroxisomal biogenesis factor 7
A_51_P483544	3.62E-06	0.419	**Aass**	aminoadipate-semialdehyde synthase
A_51_P125648	7.47E-06	0.419	**Vwce**	von Willebrand factor C and EGF domains
A_55_P1970105	0.000183519	0.419	**Ltbp2**	latent transforming growth factor beta binding protein 2
A_55_P2131473	1.06E-06	0.419	**Rmnd5a**	required for meiotic nuclear division 5 homolog A (S. cerevisiae)
A_55_P2035038	4.17E-05	0.419		
A_52_P456561	0.000141151	0.419	**Abcd1**	ATP-binding cassette, sub-family D (ALD), member 1
A_55_P2085880	8.66E-08	0.420	**Aco1**	aconitase 1
A_55_P2133125	3.91E-05	0.420	**D930015E06Rik**	RIKEN cDNA D930015E06 gene
A_55_P2006930	3.29E-07	0.420	**2610005L07Rik**	cadherin 11 pseudogene
A_55_P2074536	2.75E-07	0.420	**Ppm1b**	protein phosphatase 1B, magnesium dependent, beta isoform
A_30_P0102894	0.001964663	0.420		
A_30_P0102107	1.46E-07	0.420		
A_51_P220062	6.33E-06	0.420	**Mmp15**	matrix metallopeptidase 15
A_55_P1961993	1.32E-05	0.420		
A_55_P1978321	3.54E-09	0.420	**Fbxo8**	F-box protein 8
A_51_P431967	0.00566237	0.420	**Gfod1**	glucose-fructose oxidoreductase domain containing 1
A_55_P1984976	1.32E-05	0.420	**Wnt5b**	wingless-related MMTV integration site 5B
A_55_P1985544	0.001580584	0.420	**Kcnk10**	potassium channel, subfamily K, member 10
A_51_P386270	1.19E-08	0.420	**Cyp2d12**	cytochrome P450, family 2, subfamily d, polypeptide 12
A_51_P249193	0.001699572	0.421	**Gsg1l**	GSG1-like
A_55_P2042923	0.000184002	0.421	**Sgk2**	serum/glucocorticoid regulated kinase 2
A_55_P2149719	5.75E-08	0.421	**Atp5k**	ATP synthase, H+ transporting, mitochondrial F1F0 complex, subunit e

A_55_P2086954	0.000129659	0.421		
A_30_P0102736	5.76E-05	0.421		
A_51_P142046	8.45E-10	0.421	**1810049H13Rik**	RIKEN cDNA 1810049H13 gene
A_30_P0103081	0.000219212	0.422		
A_52_P602091	0.000211892	0.422	**Csf1r**	colony stimulating factor 1 receptor
A_51_P149373	9.14E-07	0.422	**Fbxl20**	F-box and leucine-rich repeat protein 20
A_52_P424778	0.003390972	0.422	**Adra1a**	adrenergic receptor, alpha 1a
A_55_P2079928	6.29E-06	0.423	**Ccdc68**	coiled-coil domain containing 68
A_55_P1961761	2.33E-05	0.423	**Dcc**	deleted in colorectal carcinoma
A_55_P1995133	6.97E-06	0.423		
A_30_P0103178	1.40E-08	0.423		
A_66_P135700	6.27E-09	0.423	**Cyp2d11**	cytochrome P450, family 2, subfamily d, polypeptide 11
A_51_P401987	2.72E-06	0.423	**Tmem37**	transmembrane protein 37
A_52_P322421	1.36E-06	0.424	**Mpzl2**	myelin protein zero-like 2
A_55_P2115467	9.21E-06	0.424	**Tmem63b**	transmembrane protein 63b
A_30_P0102648	1.43E-08	0.424		
A_55_P2010567	7.68E-05	0.424		
A_55_P2048334	6.85E-07	0.424	**Ubr3**	ubiquitin protein ligase E3 component n-recognin 3
A_55_P1994898	2.87E-07	0.424		
A_55_P2084807	1.29E-08	0.424	**Rarb**	retinoic acid receptor, beta
A_51_P385952	1.30E-07	0.424	**Man2a2**	mannosidase 2, alpha 2
A_55_P2154387	0.000100418	0.425	**Bmp4**	bone morphogenetic protein 4
A_55_P2031288	1.64E-07	0.425	**Abcg5**	ATP-binding cassette, sub-family G (WHITE), member 5
A_30_P0102345	0.002991003	0.425		
A_52_P130907	0.000275594	0.425	**Exph5**	exophilin 5
A_30_P0101892	2.72E-09	0.425		
A_55_P2093889	8.49E-07	0.425	**Arhgef19**	Rho guanine nucleotide exchange factor (GEF) 19
A_55_P2302577	3.24E-05	0.425	**AI426330**	expressed sequence AI426330
A_51_P125260	1.00E-07	0.425	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_52_P237077	1.05E-06	0.425	**Esr1**	estrogen receptor 1 (alpha)
A_51_P125648	1.63E-06	0.426	**Vwce**	von Willebrand factor C and EGF domains
A_51_P112308	0.00377089	0.426	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P112308	0.002610337	0.426	**1810011O10Rik**	RIKEN cDNA 1810011O10 gene
A_51_P125260	3.33E-07	0.426	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_55_P2086682	9.88E-10	0.426	**Nfib**	nuclear factor I/B
A_51_P269084	7.57E-07	0.426	**Chchd10**	coiled-coil-helix-coiled-coil-helix domain containing 10
A_55_P1969356	4.59E-05	0.426	**BC020535**	cDNA sequence BC020535
A_52_P177021	3.97E-07	0.426	**Pts**	6-pyruvoyl-tetrahydropterin synthase
A_51_P399853	1.05E-06	0.426	**Zfp704**	zinc finger protein 704
A_55_P2138159	0.001474788	0.426		
A_51_P357622	5.40E-05	0.426	**Olfr638**	olfactory receptor 638
A_55_P2051486	5.15E-06	0.426	**Mup20**	major urinary protein 20
A_66_P120472	7.56E-09	0.426	**Pglyrp2**	peptidoglycan recognition protein 2
A_51_P159352	3.04E-07	0.426	**Sub1**	SUB1 homolog (S. cerevisiae)
A_55_P2068289	0.000757694	0.427	**Slc17a2**	solute carrier family 17 (sodium phosphate), member 2
A_55_P1962284	0.00125368	0.427	**Klhl24**	kelch-like 24 (Drosophila)
A_52_P237077	5.06E-06	0.427	**Esr1**	estrogen receptor 1 (alpha)
A_55_P2052744	1.54E-07	0.427		
A_30_P0101939	3.82E-08	0.427		
A_51_P118885	1.10E-09	0.427	**Amacr**	alpha-methylacyl-CoA racemase
A_51_P423825	2.75E-07	0.427	**Morn1**	MORN repeat containing 1
A_65_P06872	2.57E-06	0.428	**4933403F05Rik**	RIKEN cDNA 4933403F05 gene
A_55_P2178317	5.10E-09	0.428	**Gm9199**	glycine cleavage system protein H (aminomethyl carrier) pseudogene
A_55_P2130393	5.06E-06	0.428	**Pnpla1**	patatin-like phospholipase domain containing 1
A_55_P2155499	2.96E-07	0.428	**Tmem9**	transmembrane protein 9
A_55_P2102095	0.000607067	0.428	**1810010H24Rik**	RIKEN cDNA 1810010H24 gene
A_51_P117995	2.70E-07	0.428	**Pfkm**	phosphofructokinase, muscle
A_55_P2083233	1.01E-06	0.428		
A_52_P526372	7.59E-05	0.428	**Zeb2**	zinc finger E-box binding homeobox 2
A_30_P0103003	6.06E-06	0.428		
A_55_P2058073	6.50E-05	0.428	**Ggt6**	gamma-glutamyltransferase 6
A_51_P414706	3.59E-07	0.429	**Ddt**	D-dopachrome tautomerase
A_51_P179919	0.00086459	0.429	**Ces2e**	carboxylesterase 2E
A_51_P125260	8.91E-08	0.429	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_55_P2027496	0.006457969	0.429	**Adck5**	aarF domain containing kinase 5
A_30_P0102798	2.91E-06	0.430		
A_30_P0103082	0.0001894	0.430		
A_52_P612137	6.80E-05	0.430	**Runx1t1**	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)
A_55_P2056070	9.32E-08	0.430	**Hfe**	hemochromatosis
A_55_P2003638	1.96E-06	0.430	**Stxbp6**	syntaxin binding protein 6 (amisyn)
A_66_P120832	0.000730032	0.430	**Gm5887**	predicted gene 5887
A_55_P2018482	1.83E-06	0.430	**Adh5**	alcohol dehydrogenase 5 (class III), chi polypeptide
A_52_P307749	0.000465729	0.430	**Slc35a5**	solute carrier family 35, member A5
A_51_P319070	7.40E-05	0.431	**Retsat**	retinol saturase (all trans retinol 13,14 reductase)
A_52_P27122	3.59E-06	0.431	**Eif2c4**	eukaryotic translation initiation factor 2C, 4
A_51_P358872	3.69E-05	0.431	**Disc1**	disrupted in schizophrenia 1
A_51_P125260	1.48E-07	0.431	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_30_P0103154	6.20E-06	0.431		
A_55_P1992049	7.24E-07	0.431	**Gucy1a3**	guanylate cyclase 1, soluble, alpha 3
A_52_P450934	4.18E-06	0.431	**Paqr9**	progestin and adipoQ receptor family member IX
A_51_P117995	4.97E-07	0.431	**Pfkm**	phosphofructokinase, muscle
A_51_P520936	6.81E-07	0.431	**Bcar3**	breast cancer anti-estrogen resistance 3
A_55_P2155848	1.97E-05	0.431	**Gm14207**	predicted gene 14207
A_52_P552832	1.73E-07	0.432	**Ndufa4**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4
A_51_P172502	8.24E-06	0.432	**Cxcl12**	chemokine (C-X-C motif) ligand 12
A_55_P2177658	0.000279846	0.432	**Mast1**	microtubule associated serine/threonine kinase 1
A_55_P2107468	1.79E-07	0.432	**Rab5b**	RAB5B, member RAS oncogene family
A_55_P2319035	6.51E-06	0.433	**AW011956**	expressed sequence AW011956
A_51_P480982	1.15E-07	0.433	**Glo1**	glyoxalase 1
A_55_P2057916	4.12E-06	0.433	**Pex5**	peroxisomal biogenesis factor 5
A_66_P116451	1.02E-05	0.433	**2210039B01Rik**	RIKEN cDNA 2210039B01 gene
A_51_P324651	5.51E-06	0.434	**Lphn1**	latrophilin 1
A_51_P125260	1.96E-07	0.434	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_52_P237077	2.42E-07	0.434	**Esr1**	estrogen receptor 1 (alpha)
A_55_P1978618	1.70E-09	0.434	**Grcc10**	gene rich cluster, C10 gene
A_55_P2137937	1.60E-07	0.434	**Fxyd1**	FXYD domain-containing ion transport regulator 1
A_52_P407796	2.14E-07	0.434	**Mdh1**	malate dehydrogenase 1, NAD (soluble)
A_52_P400224	1.05E-06	0.434	**Ccs**	copper chaperone for superoxide dismutase
A_55_P2173832	4.01E-05	0.434	**Gpr125**	G protein-coupled receptor 125
A_55_P2026530	3.47E-05	0.434	**Erc2**	ELKS/RAB6-interacting/CAST family member 2
A_52_P218379	6.59E-06	0.434	**Kif26a**	kinesin family member 26A
A_55_P1962011	3.73E-05	0.434	**Clec1b**	C-type lectin domain family 1, member b
A_30_P0102177	1.26E-07	0.434		
A_55_P2280821	9.79E-06	0.434	**Dlc1**	deleted in liver cancer 1
A_55_P2100149	8.15E-07	0.435	**Mapt**	microtubule-associated protein tau
A_52_P817257	2.26E-05	0.435	**Gm5480**	predicted gene 5480
A_55_P2063096	2.42E-06	0.435	**Txnrd3**	thioredoxin reductase 3
A_66_P138829	1.93E-07	0.435	**Ndufs8**	NADH dehydrogenase (ubiquinone) Fe-S protein 8
A_55_P2002517	0.000309355	0.435	**Fhl1**	four and a half LIM domains 1

A_55_P2058962	0.000272985	0.436	**Mcm10**	minichromosome maintenance deficient 10 (S. cerevisiae)
A_55_P2172440	4.31E-08	0.436	**Scarf2**	scavenger receptor class F, member 2
A_55_P2003158	1.59E-08	0.436	**Wwp1**	WW domain containing E3 ubiquitin protein ligase 1
A_51_P116651	0.003361396	0.436	**Dpt**	dermatopontin
A_51_P116651	0.001123544	0.436	**Dpt**	dermatopontin
A_66_P135165	2.96E-06	0.436	**Nfib**	nuclear factor I/B
A_51_P161890	4.91E-07	0.436	**Fcgrt**	Fc receptor, IgG, alpha chain transporter
A_55_P2289035	6.55E-06	0.436	**B230308N11Rik**	RIKEN cDNA B230308N11 gene
A_51_P118885	2.38E-08	0.436	**Amacr**	alpha-methylacyl-CoA racemase
A_52_P636427	3.76E-07	0.436	**Pglyrp2**	peptidoglycan recognition protein 2
A_55_P2073329	8.99E-08	0.437		
A_52_P533792	2.60E-08	0.437	**Sucla2**	succinate-Coenzyme A ligase, ADP-forming, beta subunit
A_51_P511680	3.39E-08	0.437	**Ttc38**	tetratricopeptide repeat domain 38
A_55_P2145833	1.65E-05	0.438	**Dmpk**	dystrophia myotonica-protein kinase
A_55_P2125633	2.70E-07	0.438	**Acbd5**	acyl-Coenzyme A binding domain containing 5
A_55_P2136373	3.97E-05	0.438		
A_55_P2115235	2.92E-07	0.438	**Bckdhb**	branched chain ketoacid dehydrogenase E1, beta polypeptide
A_55_P2219059	1.15E-06	0.438	**Lmnb2**	lamin B2
A_66_P132888	8.48E-07	0.438	**Dhfr**	dihydrofolate reductase
A_51_P125260	1.82E-07	0.438	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_55_P2181538	0.000574178	0.438	**Sult1d1**	sulfotransferase family 1D, member 1
A_51_P117995	3.97E-07	0.438	**Pfkm**	phosphofructokinase, muscle
A_30_P0101884	1.53E-06	0.438		
A_51_P468140	1.30E-06	0.438	**Serpind1**	serine (or cysteine) peptidase inhibitor, clade D, member 1
A_55_P2019833	0.000209122	0.438		
A_55_P1981197	6.14E-05	0.438		
A_51_P324303	2.99E-05	0.438	**Mylip**	myosin regulatory light chain interacting protein
A_51_P321341	1.06E-06	0.439	**Sult1a1**	sulfotransferase family 1A, phenol-preferring, member 1
A_55_P1952533	2.76E-06	0.439	**Fis1**	fission 1 (mitochondrial outer membrane) homolog (yeast)
A_30_P0103190	4.02E-06	0.439		
A_30_P0101873	2.11E-07	0.439		
A_55_P2073705	2.84E-06	0.439	**Tfdp2**	transcription factor Dp 2
A_55_P2035454	8.45E-10	0.439	**Oaz1**	ornithine decarboxylase antizyme 1
A_51_P414305	1.62E-05	0.439	**Acot12**	acyl-CoA thioesterase 12
A_52_P237077	1.20E-06	0.439	**Esr1**	estrogen receptor 1 (alpha)
A_55_P1989296	0.000114542	0.440	**Tnxb**	tenascin XB
A_51_P405397	1.39E-06	0.440	**Ecm1**	extracellular matrix protein 1
A_51_P349727	2.14E-05	0.440	**Slc25a45**	solute carrier family 25, member 45
A_52_P278354	7.37E-05	0.440	**Bmp7**	bone morphogenetic protein 7
A_55_P2138703	0.00345122	0.440		
A_51_P493886	0.000246894	0.440	**Gpt2**	glutamic pyruvate transaminase (alanine aminotransferase) 2
A_30_P0102252	0.004975497	0.440		
A_30_P0101767	0.000974965	0.440		
A_55_P2025123	0.003785649	0.440	**Proca1**	protein interacting with cyclin A1
A_51_P116651	0.000351196	0.441	**Dpt**	dermatopontin
A_55_P2071526	8.97E-05	0.441	**Papln**	papilin, proteoglycan-like sulfated glycoprotein
A_55_P2049752	1.58E-06	0.441	**Pamr1**	peptidase domain containing associated with muscle regeneration 1
A_30_P0103267	0.000367524	0.441		
A_52_P481182	2.52E-06	0.441	**Stard5**	StAR-related lipid transfer (START) domain containing 5
A_51_P217395	2.36E-06	0.441	**Cyp2d34**	cytochrome P450, family 2, subfamily d, polypeptide 34
A_55_P1968523	7.14E-07	0.441	**Btbd1**	BTB (POZ) domain containing 1
A_55_P2030160	5.61E-05	0.441	**Tcf7l2**	transcription factor 7-like 2, T-cell specific, HMG-box
A_55_P2072000	2.68E-06	0.441	**Pcmtd1**	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1
A_55_P2010093	8.71E-07	0.442	**Mup4**	major urinary protein 4
A_55_P2354531	8.57E-07	0.442	**2610029K11Rik**	RIKEN cDNA 2610029K11 gene
A_55_P2394490	0.000274543	0.442	**D630004K10Rik**	RIKEN cDNA D630004K10 gene
A_55_P2158946	1.58E-07	0.442	**Lama2**	laminin, alpha 2
A_51_P125260	9.99E-08	0.442	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_55_P2147160	1.19E-06	0.442		
A_52_P231292	8.06E-06	0.443	**Cyp2j6**	cytochrome P450, family 2, subfamily j, polypeptide 6
A_52_P265877	4.15E-07	0.443	**Aldh9a1**	aldehyde dehydrogenase 9, subfamily A1
A_55_P2115477	2.30E-06	0.443	**Parva**	parvin, alpha
A_52_P237077	1.18E-07	0.443	**Esr1**	estrogen receptor 1 (alpha)
A_51_P435339	1.08E-05	0.444	**Epor**	erythropoietin receptor
A_66_P134775	1.94E-05	0.444	**Pter**	phosphotriesterase related
A_30_P0103187	4.79E-08	0.444		
A_52_P489202	0.000320735	0.444		
A_55_P2120141	0.000121878	0.444		
A_55_P2010778	1.21E-05	0.444	**Il11ra1**	interleukin 11 receptor, alpha chain 1
A_55_P2033660	4.90E-08	0.444	**Crls1**	cardiolipin synthase 1
A_55_P2138183	0.000134985	0.444	**Psd3**	pleckstrin and Sec7 domain containing 3
A_51_P157255	1.98E-07	0.445	**Sdc2**	syndecan 2
A_55_P2163682	1.85E-08	0.445	**LOC386400**	carbonyl reductase [NADPH] 1-like
A_51_P284665	7.16E-07	0.445	**Plcb1**	phospholipase C, beta 1
A_51_P476481	1.63E-06	0.445	**Cyp2j13**	cytochrome P450, family 2, subfamily j, polypeptide 13
A_51_P454196	0.000336413	0.445	**Sh2d4a**	SH2 domain containing 4A
A_65_P15689	1.66E-07	0.445	**Mut**	methylmalonyl-Coenzyme A mutase
A_51_P208361	1.94E-08	0.445	**Ak3**	adenylate kinase 3
A_51_P394014	1.04E-06	0.445	**Qprt**	quinolinate phosphoribosyltransferase
A_30_P0103141	6.84E-08	0.445		
A_55_P2184541	2.71E-07	0.445	**Cdadc1**	cytidine and dCMP deaminase domain containing 1
A_66_P118093	2.57E-05	0.446		
A_55_P1971174	7.48E-06	0.446	**Cd1d2**	CD1d2 antigen
A_52_P14526	7.37E-07	0.446	**Zyg11b**	zyg-ll homolog B (C. elegans)
A_52_P639064	1.45E-06	0.446	**Strbp**	spermatid perinuclear RNA binding protein
A_51_P206824	2.00E-05	0.446	**Hfe2**	hemochromatosis type 2 (juvenile) (human homolog)
A_55_P2018047	1.85E-05	0.446	**Vps4b**	vacuolar protein sorting 4b (yeast)
A_51_P140211	2.54E-06	0.446	**Ndufv3**	NADH dehydrogenase (ubiquinone) flavoprotein 3
A_51_P118885	7.91E-08	0.446	**Amacr**	alpha-methylacyl-CoA racemase
A_51_P125260	1.11E-07	0.447	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_55_P1962516	0.004388577	0.447	**Fam19a2**	family with sequence similarity 19, member A2
A_55_P2105413	0.000439412	0.447	**Mug1**	murinoglobulin 1
A_55_P2187909	6.99E-05	0.447	**4930560O18Rik**	RIKEN cDNA 4930560O18 gene
A_55_P2392370	6.65E-06	0.447	**D930001B02**	hypothetical protein D930001B02
A_51_P122425	2.44E-07	0.447	**Ctf1**	cardiotrophin 1
A_30_P0102937	5.85E-08	0.448		
A_66_P137654	8.30E-07	0.448	**Smpd2**	sphingomyelin phosphodiesterase 2, neutral
A_52_P249856	2.93E-07	0.448	**Cc2d2a**	coiled-coil and C2 domain containing 2A
A_51_P192751	1.04E-08	0.448	**Mrpl14**	mitochondrial ribosomal protein L14
A_55_P2016252	0.003640089	0.448	**Ctnnal1**	catenin (cadherin associated protein), alpha-like 1
A_52_P553013	1.47E-06	0.448	**Cadm3**	cell adhesion molecule 3
A_51_P116651	0.001284801	0.448	**Dpt**	dermatopontin
A_55_P2094896	2.12E-08	0.448	**Phyhd1**	phytanoyl-CoA dioxygenase domain containing 1
A_55_P2157517	8.29E-06	0.448	**Fam20c**	family with sequence similarity 20, member C
A_66_P134265	0.00050119	0.449	**Fam47e**	family with sequence similarity 47, member E
A_51_P109835	4.41E-07	0.449	**Uqcrc1**	ubiquinol-cytochrome c reductase core protein 1
A_55_P2102126	3.83E-08	0.449	**Lamp2**	lysosomal-associated membrane protein 2
A_55_P2012974	6.05E-08	0.449	**Sdha**	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
A_51_P170562	2.19E-06	0.449	**Cpn2**	carboxypeptidase N, polypeptide 2

A_55_P1960556	1.08E-05	0.449	**Acox1**	acyl-Coenzyme A oxidase 1, palmitoyl
A_66_P105046	2.30E-05	0.449	**Il18**	interleukin 18
A_51_P122425	9.41E-07	0.450	**Ctf1**	cardiotrophin 1
A_55_P2115846	0.000888193	0.450		
A_52_P311297	2.13E-06	0.450	**Als2**	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)
A_55_P2146663	0.000364926	0.450	**Trim7**	tripartite motif-containing 7
A_51_P118885	2.45E-08	0.450	**Amacr**	alpha-methylacyl-CoA racemase
A_55_P1993168	0.000654062	0.450	**Ppargc1b**	peroxisome proliferative activated receptor, gamma, coactivator 1 beta
A_51_P116651	0.002563907	0.450	**Dpt**	dermatopontin
A_51_P220162	2.84E-05	0.450	**Notch3**	Notch gene homolog 3 (Drosophila)
A_52_P302345	7.90E-07	0.450	**Cyp4v3**	cytochrome P450, family 4, subfamily v, polypeptide 3
A_51_P403799	0.000112404	0.450	**Spnb3**	spectrin beta 3
A_55_P2082658	1.91E-06	0.450		
A_55_P2018191	5.38E-05	0.451	**BC020535**	cDNA sequence BC020535
A_51_P269166	9.00E-06	0.451	**Mmp19**	matrix metallopeptidase 19
A_52_P237077	3.52E-07	0.451	**Esr1**	estrogen receptor 1 (alpha)
A_30_P0102753	5.25E-08	0.451		
A_55_P1966204	7.88E-06	0.451	**Cxcl12**	chemokine (C-X-C motif) ligand 12
A_66_P100840	2.25E-06	0.451		
A_55_P2010871	1.29E-06	0.451	**Daam2**	dishevelled associated activator of morphogenesis 2
A_55_P2087528	3.21E-05	0.451	**D930015E06Rik**	RIKEN cDNA D930015E06 gene
A_55_P2120919	0.006370106	0.451		
A_55_P2077558	1.01E-05	0.451	**Sod3**	superoxide dismutase 3, extracellular
A_55_P1964213	0.000294485	0.451	**Tprkb**	Tp53rk binding protein
A_55_P2094197	1.57E-05	0.451	**Dnase1l3**	deoxyribonuclease 1-like 3
A_55_P1993636	2.31E-07	0.452	**Rab9**	RAB9, member RAS oncogene family
A_52_P159050	0.000297145	0.452		
A_51_P118885	2.33E-08	0.452	**Amacr**	alpha-methylacyl-CoA racemase
A_55_P2162910	5.48E-06	0.452	**Rtn1**	reticulon 1
A_30_P0102530	5.66E-05	0.452		
A_55_P2106645	0.00095737	0.452	**Adcy5**	adenylate cyclase 5
A_30_P0101755	0.00027472	0.452		
A_51_P122425	3.09E-06	0.453	**Ctf1**	cardiotrophin 1
A_55_P2079619	1.60E-05	0.453	**Rnf43**	ring finger protein 43
A_51_P314186	5.56E-07	0.453	**Syne1**	synaptic nuclear envelope 1
A_55_P2032272	7.42E-07	0.453	**Habp2**	hyaluronic acid binding protein 2
A_51_P309988	0.000294636	0.453	**Gprc5c**	G protein-coupled receptor, family C, group 5, member C
A_55_P1979904	4.88E-07	0.453	**Mup9**	major urinary protein 9
A_30_P0102602	0.000138491	0.453		
A_52_P320279	7.85E-06	0.453	**Inca1**	inhibitor of CDK, cyclin A1 interacting protein 1
A_55_P1965219	8.40E-07	0.454	**Syt6**	synaptotagmin VI
A_51_P409039	8.49E-07	0.454	**Echs1**	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial
A_55_P2099520	2.55E-05	0.454	**H2afv**	H2A histone family, member V
A_55_P2222870	1.81E-07	0.454	**Mylk**	myosin, light polypeptide kinase
A_52_P620898	0.00057416	0.454	**Ajap1**	adherens junction associated protein 1
A_55_P2013218	1.65E-06	0.454	**Paip1**	polyadenylate binding protein-interacting protein 1
A_55_P2141534	0.001702758	0.454		
A_55_P2123933	2.56E-06	0.454	**D2hgdh**	D-2-hydroxyglutarate dehydrogenase
A_52_P601958	8.02E-06	0.454	**Mtch2**	mitochondrial carrier homolog 2 (C. elegans)
A_30_P0102810	5.42E-07	0.455		
A_52_P175376	1.79E-06	0.455	**Tcfcp2l1**	transcription factor CP2-like 1
A_52_P137378	5.95E-08	0.455	**Prkaa2**	protein kinase, AMP-activated, alpha 2 catalytic subunit
A_51_P130666	9.90E-08	0.455	**Adk**	adenosine kinase
A_55_P2059890	5.10E-07	0.455	**Fdx1**	ferredoxin 1
A_55_P2121871	1.76E-05	0.455	**Fgfr4**	fibroblast growth factor receptor 4
A_51_P272106	0.000608248	0.455	**Cirbp**	cold inducible RNA binding protein
A_51_P407323	5.22E-06	0.455	**F5**	coagulation factor V
A_51_P383991	3.44E-06	0.455	**Sept4**	septin 4
A_55_P2186085	0.000121602	0.456	**Atp11c**	ATPase, class VI, type 11C
A_55_P2046403	3.70E-05	0.456	**Ucn3**	urocortin 3
A_51_P116609	0.000233445	0.456	**Tex12**	testis expressed gene 12
A_55_P2162002	1.20E-05	0.456	**Pkhd1**	polycystic kidney and hepatic disease 1
A_51_P118885	7.95E-08	0.456	**Amacr**	alpha-methylacyl-CoA racemase
A_52_P1016836	0.006046878	0.456		
A_30_P0102254	6.78E-05	0.456		
A_55_P2149122	5.85E-08	0.456	**Farp2**	FERM, RhoGEF and pleckstrin domain protein 2
A_51_P125260	2.63E-07	0.456	**Acaa2**	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)
A_52_P538447	3.34E-06	0.456	**Muted**	muted
A_66_P114333	6.17E-05	0.456	**Tlr12**	toll-like receptor 12
A_52_P473953	1.41E-05	0.457	**Ctdspl**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like
A_51_P177552	2.94E-08	0.457	**Ndufb9**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9
A_55_P1969776	4.46E-05	0.457	**Pdhb**	pyruvate dehydrogenase (lipoamide) beta
A_55_P2168664	1.78E-07	0.457	**Atp5k**	ATP synthase, H+ transporting, mitochondrial F1F0 complex, subunit e
A_51_P517430	9.16E-07	0.457	**Cd1d1**	CD1d1 antigen
A_55_P2112105	1.87E-06	0.457		
A_52_P877015	4.35E-08	0.457	**Thrb**	thyroid hormone receptor beta
A_30_P0102502	2.09E-10	0.457		
A_55_P1971179	1.33E-06	0.457	**Cd1d1**	CD1d1 antigen
A_55_P2232410	0.00068162	0.457	**AI195470**	expressed sequence AI195470
A_55_P1966664	2.50E-06	0.457	**Cdc14b**	CDC14 cell division cycle 14 homolog B (S. cerevisiae)
A_55_P2024054	0.002767494	0.458	**Slc16a5**	solute carrier family 16 (monocarboxylic acid transporters), member 5
A_55_P1968553	8.15E-09	0.458	**Btbd9**	BTB (POZ) domain containing 9
A_51_P318856	5.28E-07	0.458	**Glyat**	glycine-N-acyltransferase
A_51_P152845	0.003298875	0.458	**Trim24**	tripartite motif-containing 24
A_55_P2008422	1.71E-07	0.458	**Brp44l**	brain protein 44-like
A_52_P237077	1.75E-06	0.458	**Esr1**	estrogen receptor 1 (alpha)
A_55_P1974080	9.88E-07	0.458	**Mup19**	major urinary protein 19
A_51_P258409	0.001424191	0.458	**Hey1**	hairy/enhancer-of-split related with YRPW motif 1
A_55_P2165249	0.000281276	0.458	**Papln**	papilin, proteoglycan-like sulfated glycoprotein
A_52_P485850	2.56E-06	0.458	**Mgam**	maltase-glucoamylase
A_55_P2100290	0.003012758	0.458	**Adra1b**	adrenergic receptor, alpha 1b
A_30_P0101799	0.000321496	0.458		
A_30_P0102600	1.56E-05	0.458		
A_52_P38157	1.29E-07	0.458	**Lypla1**	lysophospholipase 1
A_51_P329332	4.50E-06	0.458	**Slc19a2**	solute carrier family 19 (thiamine transporter), member 2
A_51_P504588	3.58E-10	0.458	**Tm2d2**	TM2 domain containing 2
A_55_P2115875	0.002511934	0.459	**1700012D14Rik**	RIKEN cDNA 1700012D14 gene
A_55_P2081510	4.37E-10	0.459	**Atp5j2**	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2
A_55_P2079089	2.45E-08	0.459	**Fuca1**	fucosidase, alpha-L- 1, tissue
A_55_P2144736	0.00033553	0.459	**Prelp**	proline arginine-rich end leucine-rich repeat
A_55_P2033605	0.00032864	0.459		
A_51_P257156	2.72E-09	0.459	**Ddrgk1**	DDRGK domain containing 1
A_51_P136792	0.000104557	0.459	**Calcoco1**	calcium binding and coiled coil domain 1
A_51_P510437	9.49E-05	0.459	**Slc25a15**	solute carrier family 25 (mitochondrial carrier ornithine transporter), member 15
A_52_P657396	0.004294301	0.459	**4933406B17Rik**	RIKEN cDNA 4933406B17 gene
A_51_P155503	0.001131201	0.459	**Klk1b8**	kallikrein 1-related peptidase b8
A_66_P122883	6.51E-05	0.459	**Pde8a**	phosphodiesterase 8A
A_30_P0102720	0.000479992	0.459		
A_55_P2027698	7.32E-07	0.459	**Ndufa5**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5

A_55_P2452914	1.42E-05	0.459	**N4bp2**	NEDD4 binding protein 2
A_55_P2123942	2.94E-08	0.460	**Lmbrd1**	LMBR1 domain containing 1
A_52_P458870	2.45E-09	0.460	**Slc25a16**	solute carrier family 25 (mitochondrial carrier, Graves disease autoantigen), member 16
A_55_P1994132	8.42E-06	0.460	**Tmem184a**	transmembrane protein 184a
A_55_P2013296	9.33E-08	0.460	**Prkag2**	protein kinase, AMP-activated, gamma 2 non-catalytic subunit
A_55_P1980566	1.37E-07	0.460	**Ndufb11**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11
A_55_P1955039	3.16E-06	0.460	**Myo1b**	myosin IB
A_55_P1978052	5.53E-07	0.460	**Pet112l**	PET112-like (yeast)
A_55_P2016681	3.25E-08	0.460	**Alkbh7**	alkB, alkylation repair homolog 7 (E. coli)
A_52_P237077	1.93E-06	0.460	**Esr1**	estrogen receptor 1 (alpha)
A_51_P135654	4.50E-09	0.460	**Eif4ebp2**	eukaryotic translation initiation factor 4E binding protein 2
A_55_P2005475	2.00E-06	0.461	**Sult1a1**	sulfotransferase family 1A, phenol-preferring, member 1
A_66_P119884	9.81E-07	0.461	**Wdr91**	WD repeat domain 91
A_55_P2053459	3.38E-06	0.461	**Timd2**	T-cell immunoglobulin and mucin domain containing 2
A_51_P184796	1.96E-08	0.461	**Zfp101**	zinc finger protein 101
A_52_P444637	2.42E-05	0.461	**Rcbtb2**	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2
A_55_P2090817	8.82E-09	0.461	**Macrod2**	MACRO domain containing 2
A_51_P105589	3.26E-07	0.461	**Dci**	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenyme A isomerase)
A_51_P359800	8.04E-07	0.461	**Clec11a**	C-type lectin domain family 11, member a
A_51_P122425	7.18E-06	0.461	**Ctf1**	cardiotrophin 1
A_51_P108853	9.87E-06	0.461	**Lyplal1**	lysophospholipase-like 1
A_30_P0103050	0.000490275	0.461		
A_52_P267824	3.10E-06	0.462	**Ces2g**	carboxylesterase 2G
A_51_P122425	9.38E-07	0.462	**Ctf1**	cardiotrophin 1
A_55_P1983758	8.72E-08	0.462	**Sdhc**	succinate dehydrogenase complex, subunit C, integral membrane protein
A_30_P0102993	2.06E-07	0.462		
A_52_P475356	2.07E-06	0.462	**Sox6**	SRY-box containing gene 6
A_51_P122425	1.35E-07	0.462	**Ctf1**	cardiotrophin 1
A_55_P2152771	2.01E-05	0.462	**Lhfpl2**	lipoma HMGIC fusion partner-like 2
A_55_P2114427	3.45E-05	0.462	**Creb1**	cAMP responsive element binding protein 1
A_51_P474701	6.74E-07	0.462	**Fbp1**	fructose bisphosphatase 1
A_55_P2120080	5.57E-06	0.462		
A_51_P337269	4.46E-08	0.463	**Aldob**	aldolase B, fructose-bisphosphate
A_55_P2167999	9.99E-05	0.463	**Ldlr**	low density lipoprotein receptor
A_55_P2128511	0.000849971	0.463	**Ociad2**	OCIA domain containing 2
A_55_P2017689	2.13E-05	0.463	**Gprc5c**	G protein-coupled receptor, family C, group 5, member C
A_51_P108853	1.67E-05	0.463	**Lyplal1**	lysophospholipase-like 1
A_51_P138923	3.85E-05	0.463	**Peg12**	paternally expressed 12
A_51_P169047	8.47E-07	0.463	**Tdp2**	tyrosyl-DNA phosphodiesterase 2
A_52_P517063	6.33E-06	0.463	**Immp2l**	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae)
A_51_P362054	1.09E-08	0.463	**Atp5e**	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
A_52_P84901	0.000438815	0.464	**Slc44a1**	solute carrier family 44, member 1
A_55_P1990041	6.28E-08	0.464	**Nxt2**	nuclear transport factor 2-like export factor 2
A_51_P122425	3.96E-07	0.464	**Ctf1**	cardiotrophin 1
A_30_P0102260	0.000291078	0.464		
A_55_P2074226	2.80E-07	0.464	**Fbxo8**	F-box protein 8
A_55_P2068988	4.32E-08	0.464		
A_51_P507778	9.13E-06	0.464	**Sdr42e1**	short chain dehydrogenase/reductase family 42E, member 1
A_51_P130447	0.000435615	0.464	**C920006O11Rik**	RIKEN cDNA C920006O11 gene
A_52_P485971	3.55E-06	0.464	**Scap**	SREBF chaperone
A_55_P1962092	6.93E-07	0.464	**Brp44l**	brain protein 44-like
A_55_P2017302	4.99E-05	0.464	**Gnb1l**	guanine nucleotide binding protein (G protein), beta polypeptide 1-like
A_51_P228574	0.000936879	0.465	**Tat**	tyrosine aminotransferase
A_52_P551011	0.000249729	0.465	**1190007F08Rik**	RIKEN cDNA 1190007F08 gene
A_55_P2030756	3.17E-05	0.465	**Nedd4l**	neural precursor cell expressed, developmentally down-regulated gene 4-like
A_51_P118885	3.60E-08	0.465	**Amacr**	alpha-methylacyl-CoA racemase
A_55_P2004071	4.12E-07	0.465	**Gm2058**	predicted gene 2058
A_51_P327451	1.01E-05	0.465	**Alas2**	aminolevulinic acid synthase 2, erythroid
A_51_P201904	1.02E-07	0.465	**Ndufb5**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5
A_52_P674309	3.38E-08	0.465	**Mocs2**	molybdenum cofactor synthesis 2
A_52_P670188	0.000111132	0.465	**Sdr9c7**	4short chain dehydrogenase/reductase family 9C, member 7
A_55_P2105632	5.16E-06	0.465	**BC024139**	cDNA sequence BC024139
A_51_P247637	6.78E-06	0.466	**Rnf144a**	ring finger protein 144A
A_52_P419162	1.12E-06	0.466		
A_51_P464588	1.53E-05	0.466	**Dnajc28**	DnaJ (Hsp40) homolog, subfamily C, member 28
A_51_P108853	2.98E-05	0.466	**Lyplal1**	lysophospholipase-like 1
A_30_P0101799	6.30E-06	0.466		
A_51_P336161	8.15E-08	0.466	**Man2b1**	mannosidase 2, alpha B1
A_52_P52849	0.000285266	0.466	**Cpxm2**	carboxypeptidase X 2 (M14 family)
A_51_P483280	3.92E-05	0.467	**Prnp**	prion protein
A_55_P2112693	1.41E-06	0.467	**Sipa1l1**	signal-induced proliferation-associated 1 like 1
A_51_P462556	2.91E-06	0.467		
A_55_P2049061	2.32E-06	0.467		
A_66_P121774	2.52E-08	0.467	**Tmem59**	transmembrane protein 59
A_66_P112551	2.90E-05	0.467	**Shf**	Src homology 2 domain containing F
A_51_P293339	3.14E-05	0.468	**Tob1**	transducer of ErbB-2.1
A_30_P0101962	4.21E-06	0.468		
A_30_P0103339	4.44E-05	0.468		
A_66_P126504	0.001863456	0.468	**Gm12824**	predicted gene 12824
A_30_P0101849	3.78E-06	0.468		
A_55_P1975772	1.73E-07	0.468	**Ppp2r5a**	protein phosphatase 2, regulatory subunit B (B56), alpha isoform
A_55_P2355330	5.05E-06	0.468	**C1qtnf5**	C1q and tumor necrosis factor related protein 5
A_51_P173343	5.95E-08	0.468	**6530401N04Rik**	RIKEN cDNA 6530401N04 gene
A_55_P2009042	0.000122101	0.468	**LOC100503757**	putative transposase element L1Md-A101/L1Md-A102/L1Md-A2-like
A_30_P0102984	4.90E-05	0.468		
A_55_P2025523	3.97E-05	0.468	**Arhgap6**	Rho GTPase activating protein 6
A_30_P0102414	9.01E-06	0.468		
A_51_P108853	5.01E-06	0.468	**Lyplal1**	lysophospholipase-like 1
A_55_P1971734	1.43E-05	0.468	**Reck**	reversion-inducing-cysteine-rich protein with kazal motifs
A_51_P272123	5.06E-08	0.468	**Ndufa10**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 10
A_55_P1991475	8.24E-06	0.468	**Sesn1**	sestrin 1
A_51_P317505	0.000488261	0.468	**Nat1**	N-acetyl transferase 1
A_55_P2096917	6.46E-08	0.468	**Mreg**	melanoregulin
A_55_P2006940	7.51E-07	0.469	**Sfmbt1**	Scm-like with four mbt domains 1
A_52_P409746	3.56E-09	0.469	**Serpinc1**	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1
A_51_P313581	0.000326238	0.469	**Fabp2**	fatty acid binding protein 2, intestinal
A_52_P119350	2.77E-05	0.469	**4732419C18Rik**	RIKEN cDNA 4732419C18 gene
A_30_P0103029	0.001590239	0.469		
A_30_P0102612	0.00052645	0.469		
A_55_P1977653	0.000153389	0.469	**Palld**	palladin, cytoskeletal associated protein
A_51_P257743	1.34E-07	0.469	**Dnajc22**	DnaJ (Hsp40) homolog, subfamily C, member 22
A_55_P1971938	0.003140577	0.469	**Atp2b2**	ATPase, Ca++ transporting, plasma membrane 2
A_55_P2158227	0.005146785	0.469	**Angpt1**	angiopoietin 1
A_51_P155085	1.74E-06	0.469	**Dennd2a**	DENN/MADD domain containing 2A
A_52_P11441	0.000330863	0.469	**Rab6b**	RAB6B, member RAS oncogene family
A_55_P1968399	1.13E-07	0.470	**Rdh7**	retinol dehydrogenase 7
A_55_P2031045	3.92E-06	0.470	**Stat5b**	signal transducer and activator of transcription 5B
A_52_P467930	2.65E-08	0.470		
A_30_P0103189	0.00037574	0.470		

A_51_P108853	1.50E-05	0.470	**Lyplal1**	lysophospholipase-like 1
A_30_P0102378	9.80E-08	0.470		
A_66_P119421	9.67E-06	0.471	**Prdx1**	peroxiredoxin 1
A_55_P1953998	2.26E-07	0.471	**Pbx1**	pre B-cell leukemia transcription factor 1
A_55_P2033932	5.11E-06	0.471	**Zzz3**	zinc finger, ZZ domain containing 3
A_51_P183051	1.82E-05	0.471	**Upb1**	ureidopropionase, beta
A_30_P0103238	1.39E-07	0.471		
A_66_P127458	4.31E-07	0.471	**Zfp652**	zinc finger protein 652
A_51_P440210	5.36E-05	0.471	**Prkg1**	protein kinase, cGMP-dependent, type I
A_30_P0102976	9.10E-08	0.471		lincRNA:chr6:86425510-86450160 forward strand
A_51_P266774	1.42E-07	0.471	**Mfn2**	mitofusin 2
A_52_P641282	0.000182965	0.471	**Pdilt**	protein disulfide isomerase-like, testis expressed
A_51_P335419	5.86E-05	0.472	**Csl**	citrate synthase like
A_55_P1986900	5.05E-07	0.472		
A_51_P103780	3.75E-08	0.472	**Sft2d2**	SFT2 domain containing 2
A_55_P2008258	2.31E-06	0.472	**Larp1b**	La ribonucleoprotein domain family, member 1B
A_51_P101545	3.89E-07	0.472	**Hgfac**	hepatocyte growth factor activator
A_30_P0102910	1.72E-07	0.472		
A_55_P2207186	0.000212814	0.472	**Slc30a7**	solute carrier family 30 (zinc transporter), member 7
A_30_P0102121	0.00485235	0.472		
A_55_P2136765	2.15E-07	0.472	**Uqcr10**	ubiquinol-cytochrome c reductase, complex III subunit X
A_52_P110812	6.09E-07	0.473	**Ggcx**	gamma-glutamyl carboxylase
A_51_P104430	0.001248403	0.473	**Magee1**	melanoma antigen, family E, 1
A_55_P2369474	4.60E-08	0.473	**Nr1h4**	nuclear receptor subfamily 1, group H, member 4
A_55_P1960688	3.50E-07	0.473	**Tmem220**	transmembrane protein 220
A_55_P1958887	6.00E-05	0.473	**DXBay18**	DNA segment, Chr X, Baylor 18
A_30_P0102627	0.001841736	0.474		
A_52_P464003	3.90E-07	0.474	**Atg3**	autophagy-related 3 (yeast)
A_51_P262230	1.16E-05	0.474	**A2ld1**	AIG2-like domain 1
A_55_P2055369	1.07E-06	0.474		
A_30_P0102210	3.89E-07	0.475		
A_55_P2022104	8.14E-10	0.475	**Rfwd2**	ring finger and WD repeat domain 2
A_52_P129697	1.15E-06	0.475	**Stradb**	STE20-related kinase adaptor beta
A_55_P2060036	1.98E-06	0.475	**Ulk2**	Unc-51 like kinase 2 (C. elegans)
A_51_P230552	2.31E-05	0.475	**Rfng**	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_55_P2038682	0.001617357	0.475		
A_51_P122425	1.58E-06	0.475	**Ctf1**	cardiotrophin 1
A_55_P2090798	1.11E-07	0.475	**Mtus1**	mitochondrial tumor suppressor 1
A_55_P2003398	2.39E-07	0.475	**Fam82b**	family with sequence similarity 82, member B
A_51_P103780	3.54E-08	0.475	**Sft2d2**	SFT2 domain containing 2
A_30_P0103184	0.00144331	0.475		
A_55_P2116924	1.44E-06	0.475	**Dbi**	diazepam binding inhibitor
A_51_P103780	1.83E-08	0.475	**Sft2d2**	SFT2 domain containing 2
A_51_P118885	8.42E-08	0.475	**Amacr**	alpha-methylacyl-CoA racemase
A_51_P118885	1.20E-08	0.476	**Amacr**	alpha-methylacyl-CoA racemase
A_55_P2022444	1.87E-06	0.476	**Pdss2**	prenyl (solanesyl) diphosphate synthase, subunit 2
A_55_P2095394	3.34E-05	0.476	**Dhx37**	DEAH (Asp-Glu-Ala-His) box polypeptide 37
A_51_P393761	8.73E-09	0.476	**Ndufs2**	NADH dehydrogenase (ubiquinone) Fe-S protein 2
A_55_P2138792	6.83E-07	0.476	**Fdx1**	ferredoxin 1
A_55_P2041678	1.45E-06	0.476	**Ttc38**	tetratricopeptide repeat domain 38
A_30_P0102303	1.04E-08	0.476		
A_55_P2177445	7.13E-05	0.476		
A_30_P0102213	1.45E-07	0.476		
A_51_P394515	4.25E-05	0.476	**Tkt**	transketolase
A_30_P0102090	0.000679253	0.476		
A_30_P0101797	3.97E-05	0.477		
A_55_P2154536	2.71E-07	0.477	**Hagh**	hydroxyacyl glutathione hydrolase
A_55_P2087240	1.82E-06	0.477	**Mipep**	mitochondrial intermediate peptidase
A_55_P2025078	0.0003458	0.477	**Csf1r**	colony stimulating factor 1 receptor
A_55_P2072666	9.34E-07	0.477	**Cyp2d37-ps**	cytochrome P450, family 2, subfamily d, polypeptide 37, pseudogene
A_55_P2001963	8.73E-08	0.477		
A_55_P2333580	0.000152077	0.477	**BC020402**	cDNA sequence BC020402
A_51_P340947	1.64E-07	0.477	**1300018J18Rik**	RIKEN cDNA 1300018J18 gene
A_51_P379597	7.58E-08	0.477	**Ndufs1**	NADH dehydrogenase (ubiquinone) Fe-S protein 1
A_51_P339444	9.17E-07	0.477	**Rab9**	RAB9, member RAS oncogene family
A_55_P2038747	3.52E-08	0.477	**Ano1**	anoctamin 1, calcium activated chloride channel
A_51_P512820	3.61E-06	0.478	**Dera**	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)
A_65_P05358	4.18E-06	0.478	**ND1**	NADH dehydrogenase subunit 1
A_30_P0101825	1.37E-05	0.478		
A_55_P2003976	0.000449064	0.478	**Gm4980**	predicted gene 4980
A_55_P2163561	4.30E-05	0.478	**Sytl1**	synaptotagmin-like 1
A_55_P2177953	1.47E-06	0.478	**Aqp11**	aquaporin 11
A_55_P2109922	3.90E-07	0.478	**Gm2921**	predicted gene 2921
A_55_P2064328	8.41E-06	0.478	**Lama2**	laminin, alpha 2
A_51_P270364	4.74E-08	0.478	**Mmaa**	methylmalonic aciduria (cobalamin deficiency) type A
A_55_P2041340	1.70E-07	0.478	**Atp5a1**	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1
A_55_P2032538	4.10E-06	0.478	**Pde3b**	phosphodiesterase 3B, cGMP-inhibited
A_51_P103780	1.22E-08	0.478	**Sft2d2**	SFT2 domain containing 2
A_52_P362981	5.35E-05	0.478		
A_30_P0103253	1.04E-07	0.479		
A_52_P8685	3.32E-05	0.479	**Tmem183a**	transmembrane protein 183A
A_51_P216496	1.26E-05	0.479	**Tfpi2**	tissue factor pathway inhibitor 2
A_52_P282035	1.25E-08	0.479	**Rnf5**	ring finger protein 5
A_55_P2249942	0.000132082	0.479	**6330531I01Rik**	RIKEN cDNA 6330531I01 gene
A_65_P16483	1.13E-06	0.479	**Pdzk1**	PDZ domain containing 1
A_51_P229602	0.000275104	0.479	**Plxna2**	plexin A2
A_55_P2024337	6.41E-09	0.479	**Tmem53**	transmembrane protein 53
A_55_P2171047	9.46E-07	0.479	**Oaz1**	ornithine decarboxylase antizyme 1
A_55_P1978696	5.97E-05	0.479		
A_55_P2002864	2.37E-08	0.479	**Aifm1**	apoptosis-inducing factor, mitochondrion-associated 1
A_55_P2361647	0.000251068	0.479	**4831440E17Rik**	RIKEN cDNA 4831440E17 gene
A_55_P2120545	1.04E-05	0.479	**Wdtc1**	WD and tetratricopeptide repeats 1
A_55_P1962154	5.60E-08	0.480	**Rarb**	retinoic acid receptor, beta
A_51_P483261	6.93E-06	0.480	**Pomt1**	protein-O-mannosyltransferase 1
A_55_P2108903	2.21E-06	0.480		
A_55_P1969276	0.00052981	0.480	**Hhip**	Hedgehog-interacting protein
A_55_P1978502	0.003924757	0.480	**H2-Q1**	histocompatibility 2, Q region locus 1
A_55_P1984481	8.86E-08	0.480	**Mfn2**	mitofusin 2
A_55_P2063126	7.77E-06	0.480	**Inadl**	InaD-like (Drosophila)
A_55_P2436715	9.10E-09	0.480	**Paics**	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase
A_30_P0103217	9.95E-07	0.480		
A_52_P28651	7.94E-05	0.480	**Pvrl1**	poliovirus receptor-related 1
A_55_P2032818	5.35E-05	0.480	**Trim2**	tripartite motif-containing 2
A_30_P0103038	4.33E-07	0.480		
A_51_P276039	4.08E-08	0.480	**Txndc15**	thioredoxin domain containing 15
A_66_P126836	1.26E-05	0.481	**Zbtb44**	zinc finger and BTB domain containing 44
A_55_P2175400	1.50E-05	0.481	**Zfp467**	zinc finger protein 467
A_51_P104430	0.000800237	0.481	**Magee1**	melanoma antigen, family E, 1
A_55_P1952720	5.59E-07	0.481	**Kctd2**	potassium channel tetramerisation domain containing 2

A_51_P167048	5.62E-06	0.481	**Hs6st1**	heparan sulfate 6-O-sulfotransferase 1
A_55_P2053718	2.44E-07	0.481	**Pink1**	PTEN induced putative kinase 1
A_51_P381360	7.36E-09	0.481	**Ndufa13**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13
A_51_P103780	1.36E-08	0.482	**Sft2d2**	SFT2 domain containing 2
A_52_P655803	5.43E-06	0.482	**Chpt1**	choline phosphotransferase 1
A_30_P0103283	3.58E-05	0.482		
A_52_P246277	0.001793355	0.482	**LOC633417**	h-2 class I histocompatibility antigen, TLA(B) alpha chain-like
A_55_P1958374	2.22E-06	0.482		
A_51_P315042	3.78E-05	0.482	**Avpr1a**	arginine vasopressin receptor 1A
A_30_P0101866	5.92E-09	0.482		
A_55_P2128944	6.81E-06	0.482	**Bcl2l13**	BCL2-like 13 (apoptosis facilitator)
A_51_P309854	1.82E-06	0.483	**Kcnn2**	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2
A_51_P122425	3.00E-07	0.483	**Ctf1**	cardiotrophin 1
A_51_P173100	6.44E-09	0.483	**Pttg1ip**	pituitary tumor-transforming 1 interacting protein
A_52_P150236	2.96E-06	0.483	**Apom**	apolipoprotein M
A_30_P0103358	5.85E-06	0.483		
A_51_P430950	1.05E-08	0.483	**Rdx**	radixin
A_51_P476820	3.81E-05	0.483	**Calr3**	calreticulin 3
A_51_P482711	1.12E-05	0.484	**Dhcr24**	24-dehydrocholesterol reductase
A_55_P1980237	3.84E-07	0.484	**Acad11**	acyl-Coenzyme A dehydrogenase family, member 11
A_51_P116609	0.000977986	0.484	**Tex12**	testis expressed gene 12
A_30_P0102369	3.13E-07	0.484		
A_51_P172344	9.05E-08	0.484	**Foxn3**	forkhead box N3
A_55_P1963873	4.66E-09	0.484		
A_55_P2015675	0.00060621	0.484	**AU015836**	expressed sequence AU015836
A_30_P0102947	6.90E-07	0.484		
A_55_P2055597	0.001661193	0.484	**Enpp2**	ectonucleotide pyrophosphatase/phosphodiesterase 2
A_51_P251352	8.85E-07	0.484	**Slc25a13**	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 13
A_55_P2040425	1.52E-07	0.484	**Guf1**	GUF1 GTPase homolog (S. cerevisiae)
A_55_P1995092	1.39E-07	0.484	**H2-Q10**	histocompatibility 2, Q region locus 10
A_55_P2414909	0.000123993	0.485	**4933411B09Rik**	RIKEN cDNA 4933411B09 gene
A_30_P0102013	4.76E-06	0.485		
A_55_P2010076	0.000124495	0.485	**Fam73b**	family with sequence similarity 73, member B
A_55_P1963917	6.28E-05	0.485	**Gm7298**	predicted gene 7298
A_55_P2177539	1.90E-08	0.485	**Sod1**	superoxide dismutase 1, soluble
A_55_P2178553	5.45E-07	0.485	**Apoa2**	apolipoprotein A-II
A_66_P103511	1.10E-05	0.485	**Gm3289**	predicted gene 3289
A_30_P0103054	8.47E-05	0.485		
A_52_P571371	5.06E-05	0.485	**Tmem144**	transmembrane protein 144
A_30_P0102030	6.85E-07	0.486		
A_52_P18081	3.14E-08	0.486	**Tmem206**	transmembrane protein 206
A_55_P2037787	0.003194357	0.486		
A_51_P466221	0.000173654	0.486	**Amhr2**	anti-Mullerian hormone type 2 receptor
A_55_P1982668	2.42E-06	0.486	**Nadk**	NAD kinase
A_55_P1984391	0.000809517	0.486	**Depdc5**	DEP domain containing 5
A_30_P0101805	1.98E-06	0.486		
A_51_P108853	4.41E-05	0.487	**Lyplal1**	lysophospholipase-like 1
A_51_P268734	3.22E-05	0.487	**Kptn**	kaptin
A_51_P367780	8.99E-05	0.487	**Adamtsl2**	ADAMTS-like 2
A_55_P1991783	2.02E-05	0.487		
A_51_P397375	1.42E-08	0.487	**Pet112l**	PET112-like (yeast)
A_55_P2078428	0.004110103	0.487	**Tstd1**	thiosulfate sulfurtransferase (rhodanese)-like domain containing 1
A_55_P1989061	0.001228797	0.487	**Tsc22d3**	TSC22 domain family, member 3
A_55_P2061294	4.83E-06	0.487		
A_55_P2045859	1.21E-06	0.487		
A_52_P163515	5.28E-07	0.488		
A_55_P2022049	7.36E-05	0.488	**Klf15**	Kruppel-like factor 15
A_30_P0102345	2.28E-07	0.488		
A_51_P398260	9.24E-05	0.488	**Tppp**	tubulin polymerization promoting protein
A_30_P0102531	1.11E-05	0.488		
A_55_P2051094	0.000175751	0.488	**Rorc**	RAR-related orphan receptor gamma
A_55_P1973583	1.91E-07	0.488	**Hpn**	hepsin
A_51_P126626	0.00087582	0.488	**Zfp503**	zinc finger protein 503
A_55_P1969506	7.05E-07	0.488	**Slc17a1**	solute carrier family 17 (sodium phosphate), member 1
A_51_P109939	4.58E-06	0.488	**Apoa1bp**	apolipoprotein A-I binding protein
A_30_P0102051	0.000227056	0.488		
A_30_P0101846	2.85E-06	0.488		
A_55_P2086381	0.001385404	0.489		
A_55_P2081865	4.09E-06	0.489	**Slc2a8**	solute carrier family 2, (facilitated glucose transporter), member 8
A_55_P2008874	8.84E-05	0.489	**Dnmt3b**	DNA methyltransferase 3B
A_55_P2143885	1.55E-06	0.489	**Etl4**	enhancer trap locus 4
A_30_P0102361	7.09E-07	0.489		
A_52_P294123	1.68E-05	0.490	**D2hgdh**	D-2-hydroxyglutarate dehydrogenase
A_52_P350554	0.000384555	0.490	**Kcnb1**	potassium voltage gated channel, Shab-related subfamily, member 1
A_51_P293938	0.003187228	0.490	**Rasl11b**	RAS-like, family 11, member B
A_52_P201531	0.002809346	0.490	**Myo9a**	myosin IXa
A_51_P122425	6.89E-07	0.490	**Ctf1**	cardiotrophin 1
A_55_P2064507	1.88E-08	0.490	**Msra**	methionine sulfoxide reductase A
A_55_P2049979	1.18E-06	0.490	**Dbi**	diazepam binding inhibitor
A_51_P257892	0.000395205	0.490	**Adam25**	a disintegrin and metallopeptidase domain 25 (testase 2)
A_51_P243122	2.85E-07	0.490	**Sec14l3**	SEC14-like 3 (S. cerevisiae)
A_52_P574945	6.13E-06	0.490	**1500026H17Rik**	RIKEN cDNA 1500026H17 gene
A_52_P671700	5.79E-06	0.490	**9330129D05Rik**	RIKEN cDNA 9330129D05 gene
A_51_P418259	1.11E-05	0.490	**Pccb**	propionyl Coenzyme A carboxylase, beta polypeptide
A_55_P2167955	3.96E-05	0.490		
A_55_P1954006	8.53E-06	0.490	**Ldhb**	lactate dehydrogenase B
A_55_P2146783	0.001159009	0.491	**Ropn1l**	ropporin 1-like
A_51_P430383	1.41E-08	0.491	**Dnajc30**	DnaJ (Hsp40) homolog, subfamily C, member 30
A_55_P2113071	9.41E-06	0.491	**Eif2c4**	eukaryotic translation initiation factor 2C, 4
A_51_P103780	2.05E-08	0.491	**Sft2d2**	SFT2 domain containing 2
A_66_P135179	2.24E-05	0.491		
A_55_P2064171	3.97E-06	0.491		
A_55_P1988148	0.00015743	0.491		
A_51_P366227	0.000206765	0.491	**Zfp799**	zinc finger protein 799
A_55_P2086692	9.50E-08	0.491	**Nfib**	nuclear factor I/B
A_55_P1999953	3.95E-05	0.491	**Pik3c2g**	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide
A_52_P217474	8.86E-10	0.491	**Ndufa6**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6 (B14)
A_55_P2144914	0.001580419	0.491	**Csnk1g3**	casein kinase 1, gamma 3
A_51_P277745	1.59E-06	0.491	**Abcc2**	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
A_51_P103780	4.71E-08	0.491	**Sft2d2**	SFT2 domain containing 2
A_55_P1957267	1.38E-07	0.491	**Rab9**	RAB9, member RAS oncogene family
A_30_P0102179	0.000352044	0.491		
A_55_P2086835	9.41E-05	0.492		
A_51_P125205	0.000132652	0.492	**Aqp1**	aquaporin 1
A_55_P2015232	1.41E-07	0.492		
A_51_P103780	1.54E-09	0.492	**Sft2d2**	SFT2 domain containing 2
A_52_P8227	3.25E-05	0.492	**Lypla1**	lysophospholipase 1
A_55_P2136763	1.49E-06	0.492		
A_51_P108853	2.29E-05	0.492	**Lyplal1**	lysophospholipase-like 1

A_51_P160408	0.00017072	0.492	**Lcorl**	ligand dependent nuclear receptor corepressor-like
A_30_P0103220	9.54E-07	0.492		
A_66_P115996	3.12E-06	0.493	**Ccbl1**	cysteine conjugate-beta lyase 1
A_51_P103780	1.52E-08	0.493	**Sft2d2**	SFT2 domain containing 2
A_55_P2040090	0.005069415	0.493	**Fn3k**	fructosamine 3 kinase
A_55_P2103351	5.94E-07	0.493	**Ndufa5**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5
A_55_P2105416	0.000671262	0.493	**Gm10319**	predicted pseudogene 10319
A_51_P343323	1.59E-07	0.493	**Cox6c**	cytochrome c oxidase, subunit VIc
A_52_P413646	0.00138008	0.493	**Bmp6**	bone morphogenetic protein 6
A_52_P367745	1.84E-07	0.494	**Acads**	acyl-Coenzyme A dehydrogenase, short chain
A_65_P19832	6.79E-08	0.494	**Ttr**	transthyretin
A_55_P1982451	6.53E-06	0.494	**Hmgn5**	high-mobility group nucleosome binding domain 5
A_55_P1962084	8.59E-06	0.494	**Hist2h2aa1**	histone cluster 2, H2aa1
A_55_P2148531	1.11E-05	0.494	**1110049F12Rik**	RIKEN cDNA 1110049F12 gene
A_52_P134083	1.65E-07	0.494	**Cyhr1**	cysteine and histidine rich 1
A_51_P317191	0.000321964	0.494	**Eepd1**	endonuclease/exonuclease/phosphatase family domain containing 1
A_65_P09032	2.04E-05	0.494	**Rab43**	RAB43, member RAS oncogene family
A_55_P2176729	9.13E-08	0.494	**Prdx6**	peroxiredoxin 6
A_51_P130095	0.000105827	0.495	**Fcgr2b**	Fc receptor, IgG, low affinity IIb
A_55_P1997105	5.69E-06	0.495	**Gyltl1b**	glycosyltransferase-like 1B
A_51_P482503	3.09E-05	0.495	**Tpd52l1**	tumor protein D52-like 1
A_55_P2371801	6.68E-05	0.495	**LOC100502705**	hypothetical LOC100502705
A_52_P237077	1.66E-05	0.495	**Esr1**	estrogen receptor 1 (alpha)
A_30_P0102653	3.09E-05	0.495		
A_51_P433127	2.56E-06	0.496	**Rdm1**	RAD52 motif 1
A_51_P189442	0.000207605	0.496	**Adh4**	alcohol dehydrogenase 4 (class II), pi polypeptide
A_66_P122621	9.93E-05	0.496		
A_55_P2303717	0.000334357	0.496	**AW413774**	expressed sequence AW413774
A_55_P2055442	4.07E-05	0.496	**Pafah2**	platelet-activating factor acetylhydrolase 2
A_52_P417859	1.10E-07	0.496	**4933439F18Rik**	RIKEN cDNA 4933439F18 gene
A_55_P2013858	3.10E-06	0.496	**Acad8**	acyl-Coenzyme A dehydrogenase family, member 8
A_55_P2175942	1.70E-08	0.496		
A_52_P583973	1.23E-06	0.496	**Lrpap1**	low density lipoprotein receptor-related protein associated protein 1
A_55_P1970214	2.94E-05	0.496		
A_51_P457331	1.58E-07	0.497	**Hmgn5**	high-mobility group nucleosome binding domain 5
A_30_P0103167	0.00077934	0.497		
A_55_P1971006	3.91E-07	0.497	**1190003J15Rik**	RIKEN cDNA 1190003J15 gene
A_30_P0102430	6.61E-08	0.497		
A_55_P1966420	5.60E-07	0.497	**Scrn2**	secernin 2
A_52_P136709	0.000202583	0.497	**Pctp**	phosphatidylcholine transfer protein
A_55_P2167999	0.000220803	0.497	**Ldlr**	low density lipoprotein receptor
A_52_P388836	4.02E-05	0.497	**Sec16b**	SEC16 homolog B (S. cerevisiae)
A_52_P225570	4.23E-09	0.498	**Parva**	parvin, alpha
A_55_P1973829	3.40E-06	0.498		
A_52_P205255	0.00027364	0.498	**Adam11**	a disintegrin and metallopeptidase domain 11
A_30_P0103052	9.95E-07	0.498		
A_51_P335900	1.15E-07	0.498	**Cox5a**	cytochrome c oxidase, subunit Va
A_30_P0102743	2.00E-05	0.498		
A_52_P541270	7.09E-07	0.498	**Crebl2**	cAMP responsive element binding protein-like 2
A_51_P317941	9.69E-07	0.498	**Perp**	PERP, TP53 apoptosis effector
A_30_P0101838	2.88E-05	0.498		
A_55_P1996683	2.18E-05	0.498	**Itih1**	inter-alpha trypsin inhibitor, heavy chain 1
A_51_P191520	1.66E-08	0.498	**Stard10**	START domain containing 10
A_55_P2079054	1.56E-08	0.499	**Ndufv1**	NADH dehydrogenase (ubiquinone) flavoprotein 1
A_55_P2032388	0.006114055	0.499	**Trim24**	tripartite motif-containing 24
A_51_P220343	0.004348874	0.499	**Wisp1**	WNT1 inducible signaling pathway protein 1
A_51_P136022	3.25E-06	0.499	**Ube2v2**	ubiquitin-conjugating enzyme E2 variant 2
A_55_P2089780	2.78E-08	0.499	**Fam54b**	family with sequence similarity 54, member B
A_55_P2417003	0.000323092	0.499		
A_55_P2035824	4.04E-05	0.499	**Nr1i3**	nuclear receptor subfamily 1, group I, member 3
A_55_P2012206	6.50E-08	0.499	**Ndufb11**	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11
A_55_P2021285	1.08E-06	0.500	**Cpped1**	calcineurin-like phosphoesterase domain containing 1
A_52_P495869	0.000894454	0.500	**Mafb**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)
A_55_P2154709	7.71E-05	0.500	**Pter**	phosphotriesterase related
A_51_P443293	0.000130527	0.500	**Decr2**	2-4-dienoyl-Coenzyme A reductase 2, peroxisomal
A_55_P1999841	3.11E-07	0.500	**Cox7c**	cytochrome c oxidase, subunit VIIc
A_55_P2050273	0.000627072	0.500	**Cct6b**	chaperonin containing Tcp1, subunit 6b (zeta)
A_51_P516637	3.64E-06	0.500	**Bmp5**	bone morphogenetic protein 5

Genes that increased by more than 2 fold in livers of mice treated with Con A and vehicle for 24 hours compared with livers without any treatment.

ProbeID	pvalue	Fold Change	GeneSymbol	GeneName
A_55_P2119257	1.42E-05	975.74	**Serpine1**	serine (or cysteine) peptidase inhibitor, clade E, member 1
A_51_P183812	0.000153	710.59	**Slfn4**	schlafen 4
A_52_P338066	4.71E-05	659.70	**Ubd**	ubiquitin D
A_55_P2008987	1.90E-05	438.55	**Ch25h**	cholesterol 25-hydroxylase
A_55_P2137049	5.03E-06	435.76	**AA467197**	expressed sequence AA467197
A_55_P1953169	1.37E-07	347.84	**Saa3**	serum amyloid A 3
A_51_P436652	3.52E-05	320.71	**Ccl7**	chemokine (C-C motif) ligand 7
A_51_P256827	1.33E-05	292.43	**S100a8**	S100 calcium binding protein A8 (calgranulin A)
A_51_P470079	5.76E-05	285.95	**Il1r2**	interleukin 1 receptor, type II
A_55_P1998471	1.48E-05	267.74	**S100a9**	S100 calcium binding protein A9 (calgranulin B)
A_55_P2459897	0.005741	244.06	**A2m**	alpha-2-macroglobulin
A_51_P123625	8.74E-05	223.97	**Irg1**	immunoresponsive gene 1
A_51_P123625	4.75E-05	223.09	**Irg1**	immunoresponsive gene 1
A_51_P217463	0.000192	220.35	**Cxcl2**	chemokine (C-X-C motif) ligand 2
A_51_P123625	6.54E-05	219.89	**Irg1**	immunoresponsive gene 1
A_51_P123625	3.46E-05	211.04	**Irg1**	immunoresponsive gene 1
A_51_P286737	0.000236	210.54	**Ccl2**	chemokine (C-C motif) ligand 2
A_66_P109681	0.000988	208.34		
A_51_P286737	0.000276	206.86	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P123625	0.000105	206.49	**Irg1**	immunoresponsive gene 1
A_51_P462192	0.004648	203.46	**Olr1**	oxidized low density lipoprotein (lectin-like) receptor 1
A_51_P123625	4.81E-05	202.82	**Irg1**	immunoresponsive gene 1
A_51_P286737	0.000288	202.14	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000153	201.99	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000248	200.56	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000239	198.04	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000308	195.95	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000246	195.88	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P286737	0.000262	194.91	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P123625	3.18E-05	191.40	**Irg1**	immunoresponsive gene 1
A_51_P286737	0.000255	191.36	**Ccl2**	chemokine (C-C motif) ligand 2
A_51_P123625	3.07E-05	183.73	**Irg1**	immunoresponsive gene 1
A_52_P425839	1.38E-06	183.09	**Retnlg**	resistin like gamma
A_51_P123625	5.86E-05	173.26	**Irg1**	immunoresponsive gene 1
A_30_P01022682	5.03E-07	172.33		
A_51_P401907	7.79E-06	166.45	**Gm5483**	predicted gene 5483
A_51_P123625	2.09E-05	164.14	**Irg1**	immunoresponsive gene 1
A_55_P2105140	1.50E-07	159.04	**Mrap2**	melanocortin 2 receptor accessory protein 2
A_55_P2070869	1.22E-10	154.94	**Lcn2**	lipocalin 2
A_55_P1985850	5.24E-07	152.36	**Timp1**	tissue inhibitor of metalloproteinase 1
A_55_P1983921	2.39E-07	140.86	**Crybb3**	crystallin, beta B3
A_52_P398925	5.23E-07	132.59	**Stfa2l1**	stefin A2 like 1
A_51_P231320	8.35E-06	129.19	**Mmp8**	matrix metallopeptidase 8
A_52_P161488	0.000123	128.27	**Clec4e**	C-type lectin domain family 4, member e
A_55_P2048759	4.09E-06	125.57	**4930583H14Rik**	RIKEN cDNA 4930583H14 gene
A_51_P454873	0.000712	121.84	**Npy**	neuropeptide Y
A_51_P254855	0.000701	121.42	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P1977038	5.43E-07	121.03	**Cxcl9**	chemokine (C-X-C motif) ligand 9
A_51_P254855	0.000323	117.28	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2073024	2.54E-05	116.43	**Gm4841**	predicted gene 4841
A_30_P01029955	2.23E-08	115.21		
A_55_P2142232	8.61E-05	107.85	**Serpina3i**	serine (or cysteine) peptidase inhibitor, clade A, member 3I
A_51_P254855	0.000639	104.97	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P461665	8.26E-07	100.58	**Cxcl9**	chemokine (C-X-C motif) ligand 9
A_30_P01033187	6.57E-07	96.34		
A_52_P559975	9.25E-05	95.79	**Cxcr2**	chemokine (C-X-C motif) receptor 2
A_51_P254855	0.000705	95.74	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000341	95.08	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000657	93.73	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P173678	0.003697	93.69	**Slc10a6**	solute carrier family 10 (sodium/bile acid cotransporter family), member 6
A_51_P254855	0.000339	92.62	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_65_P01991	0.000195	92.61	**Prrg4**	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)
A_30_P01020131	4.47E-05	91.85		
A_52_P425092	1.67E-06	91.72		
A_52_P487686	6.70E-06	89.98	**BC100530**	cDNA sequence BC100530
A_51_P254855	0.000268	89.52	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_51_P254855	0.000822	87.79	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P2006494	1.62E-05	87.78	**Apol10b**	apolipoprotein L 10b
A_55_P2107374	0.000326	86.71	**Duoxa2**	dual oxidase maturation factor 2
A_51_P167292	5.59E-08	86.50	**Chi3l3**	chitinase 3-like 3
A_51_P203955	8.92E-06	84.58	**Gbp2**	guanylate binding protein 2
A_51_P363187	3.51E-05	83.18	**Cxcl1**	chemokine (C-X-C motif) ligand 1
A_55_P2067505	1.50E-06	80.45	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_55_P1955778	5.38E-06	79.14	**Adamts4**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
A_51_P254855	0.00064	76.04	**Ptgs2**	prostaglandin-endoperoxide synthase 2
A_55_P1959425	3.39E-06	73.32	**Slc16a3**	solute carrier family 16 (monocarboxylic acid transporters), member 3
A_52_P232813	6.62E-05	71.70	**Cxcl3**	chemokine (C-X-C motif) ligand 3
A_51_P331752	0.00021	70.09	**Ccl11**	chemokine (C-C motif) ligand 11
A_51_P383032	0.000133	69.09	**Clec4d**	C-type lectin domain family 4, member d
A_51_P286488	9.29E-06	69.08	**Ier3**	immediate early response 3
A_55_P1990032	6.85E-05	68.64	**Cxcl5**	chemokine (C-X-C motif) ligand 5
A_55_P2079535	1.95E-05	68.37		
A_51_P228768	3.18E-05	67.29	**Slfn3**	schlafen 3
A_55_P1984556	4.33E-05	67.06	**Ccl12**	chemokine (C-C motif) ligand 12
A_30_P01022435	1.11E-05	67.02		
A_51_P426096	0.00164	65.92	**Mmp7**	matrix metallopeptidase 7
A_55_P2016462	4.95E-05	65.73	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_51_P172853	0.000651	64.27	**Cd14**	CD14 antigen
A_30_P01019474	4.17E-07	61.52		
A_51_P255699	2.13E-05	60.47	**Mmp3**	matrix metallopeptidase 3
A_51_P267783	3.42E-05	59.76	**Il11**	interleukin 11
A_55_P2187918	5.51E-07	58.46	**Cep55**	centrosomal protein 55
A_52_P681310	8.70E-07	58.19	**Plaur**	plasminogen activator, urokinase receptor

A_51_P488739	0.000667	57.58	**Niacr1**	niacin receptor 1
A_55_P2104975	3.44E-05	55.54	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_66_P101942	1.75E-05	54.11	**Gm9706**	predicted gene 9706
A_66_P119283	0.000223	54.00	**LOC675594**	hypothetical LOC675594
A_51_P382152	3.42E-05	53.33	**Procr**	protein C receptor, endothelial
A_55_P2142226	6.70E-05	52.97	**Serpina3f**	serine (or cysteine) peptidase inhibitor, clade A, member 3F
A_51_P333274	8.78E-06	52.36	**Gzmb**	granzyme B
A_55_P2025765	8.21E-05	51.68	**Adam8**	a disintegrin and metallopeptidase domain 8
A_51_P464703	0.00089	50.73	**Ccl8**	chemokine (C-C motif) ligand 8
A_51_P279606	1.57E-05	50.65	**Socs1**	suppressor of cytokine signaling 1
A_51_P184484	0.002078	50.64	**Mmp13**	matrix metallopeptidase 13
A_55_P1962400	1.96E-05	49.12	**Il1rn**	interleukin 1 receptor antagonist
A_55_P2016459	0.000181	49.06	**Cxcl10**	chemokine (C-X-C motif) ligand 10
A_52_P429450	0.000679	48.08	**Ngp**	neutrophilic granule protein
A_55_P2045136	1.93E-05	47.61	**I830127L07Rik**	RIKEN cDNA I830127L07 gene
A_51_P500082	1.71E-06	47.46	**Gm14446**	predicted gene 14446
A_51_P361448	0.000158	46.47	**Scara5**	scavenger receptor class A, member 5 (putative)
A_55_P2103097	4.01E-06	46.45	**Ccr8**	chemokine (C-C motif) receptor 8
A_55_P2010152	1.13E-06	46.21	**Sell**	selectin, lymphocyte
A_51_P478722	2.11E-05	46.08	**Tgtp1**	T-cell specific GTPase 1
A_51_P499698	0.000142	45.74	**Asprv1**	aspartic peptidase, retroviral-like 1
A_55_P2114187	4.04E-07	44.70	**Gm6522**	predicted gene 6522
A_52_P482897	0.000367	44.20	**Areg**	amphiregulin
A_55_P1997756	6.73E-07	44.13	**Il6**	interleukin 6
A_52_P374897	0.000106	43.73	**Arg2**	arginase type II
A_51_P509573	3.49E-05	43.46	**Ccl4**	chemokine (C-C motif) ligand 4
A_55_P1997756	4.97E-06	43.21	**Il6**	interleukin 6
A_55_P2092310	3.94E-05	42.94		
A_52_P15388	0.000426	42.32	**Ltf**	lactotransferrin
A_52_P452689	0.000346	41.86	**Atf3**	activating transcription factor 3
A_55_P2087182	0.005287	41.74	**Car4**	carbonic anhydrase 4
A_51_P195153	1.36E-05	41.50	**Gtse1**	G two S phase expressed protein 1
A_51_P161021	0.001281	41.35	**Ifit2**	interferon-induced protein with tetratricopeptide repeats 2
A_30_P01031797	2.86E-06	40.96		
A_55_P2000409	0.000143	40.38	**Rab44**	RAB44, member RAS oncogene family
A_55_P1970385	4.41E-06	40.35		
A_52_P507214	0.000564	40.22	**Mmp9**	matrix metallopeptidase 9
A_51_P362066	0.000774	40.03	**Chi3l1**	chitinase 3-like 1
A_55_P2025248	8.41E-07	40.03	**Mxd1**	MAX dimerization protein 1
A_55_P2081488	6.33E-06	39.68	**Pglyrp1**	peptidoglycan recognition protein 1
A_30_P01017522	2.73E-06	39.53		
A_55_P2318934	1.24E-06	39.46		
A_55_P1973995	3.22E-05	39.22		
A_55_P1976655	3.75E-05	39.19	**Fgf23**	fibroblast growth factor 23
A_55_P1960202	3.61E-05	38.84	**Vcan**	versican
A_51_P209327	3.30E-05	38.76	**Apln**	apelin
A_55_P2186928	0.000154	38.65		
A_52_P507214	0.000478	38.63	**Mmp9**	matrix metallopeptidase 9
A_55_P2015074	0.002752	38.14	**Slc10a6**	solute carrier family 10 (sodium/bile acid cotransporter family), member 6
A_55_P1983708	1.16E-05	38.09	**Insrr**	insulin receptor-related receptor
A_51_P508838	0.000195	37.98	**Kcne4**	potassium voltage-gated channel, Isk-related subfamily, gene 4
A_55_P2044242	8.72E-07	37.62	**Slc13a5**	solute carrier family 13 (sodium-dependent citrate transporter), member 5
A_55_P2071176	0.000485	37.44	**Il1f9**	interleukin 1 family, member 9
A_52_P507214	0.001157	37.37	**Mmp9**	matrix metallopeptidase 9
A_55_P2082180	1.31E-06	37.31	**Tnfrsf9**	tumor necrosis factor receptor superfamily, member 9
A_55_P1963508	5.70E-07	37.25	**Slc13a5**	solute carrier family 13 (sodium-dependent citrate transporter), member 5
A_55_P2183438	1.16E-06	37.18	**Runx1**	runt related transcription factor 1
A_52_P507214	0.00033	37.11	**Mmp9**	matrix metallopeptidase 9
A_51_P385099	0.000528	37.04	**Tnf**	tumor necrosis factor
A_52_P507214	0.000582	36.97	**Mmp9**	matrix metallopeptidase 9
A_52_P318673	5.98E-10	36.87	**Saa1**	serum amyloid A 1
A_51_P507801	3.60E-06	36.52	**F13a1**	coagulation factor XIII, A1 subunit
A_52_P410765	8.12E-06	36.43	**Sema7a**	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A
A_51_P424272	0.000498	35.97	**Mt4**	metallothionein 4
A_55_P2159555	2.87E-05	35.53	**Adamts4**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
A_55_P1984416	2.12E-05	35.43		
A_30_P01031049	0.000509	34.96		
A_51_P248666	7.07E-05	34.77	**Cd274**	CD274 antigen
A_30_P01031137	1.35E-06	34.71		
A_51_P308796	2.63E-07	34.66	**Fosl1**	fos-like antigen 1
A_55_P2023912	3.99E-05	34.65		
A_55_P1989225	6.47E-05	34.60	**Tgtp2**	T-cell specific GTPase 2
A_66_P139683	1.13E-05	34.56	**Zbp1**	Z-DNA binding protein 1
A_52_P184149	2.85E-07	34.46	**Mthfd2**	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase
A_55_P2062246	5.71E-06	34.40	**Tgtp2**	T-cell specific GTPase 2
A_51_P226269	5.21E-05	34.06	**1190002H23Rik**	RIKEN cDNA 1190002H23 gene
A_55_P2086334	9.17E-06	33.76	**Krt85**	keratin 85
A_55_P1977008	1.96E-05	33.71	**Gfi1**	growth factor independent 1
A_52_P670026	0.00185	33.68	**Rsad2**	radical S-adenosyl methionine domain containing 2
A_55_P2192961	0.000189	33.35	**A530023O14Rik**	RIKEN cDNA A530023O14 gene
A_52_P507214	0.000301	33.10	**Mmp9**	matrix metallopeptidase 9
A_52_P608322	1.82E-05	32.92	**Maff**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)
A_55_P2118441	0.001787	32.81	**Mx1**	myxovirus (influenza virus) resistance 1
A_30_P01025587	1.10E-06	32.80		
A_30_P01024838	2.33E-05	32.66		
A_55_P1993503	9.84E-06	32.63	**Adora2b**	adenosine A2b receptor
A_52_P507214	0.000578	32.49	**Mmp9**	matrix metallopeptidase 9
A_52_P68893	7.62E-05	32.28	**Ifng**	interferon gamma
A_30_P01026855	2.10E-06	31.93		
A_51_P484158	7.86E-09	31.65	**Steap1**	six transmembrane epithelial antigen of the prostate 1
A_55_P2041828	1.76E-06	31.52	**Tubb3**	tubulin, beta 3
A_51_P385099	0.000218	31.27	**Tnf**	tumor necrosis factor
A_51_P385099	0.000342	30.96	**Tnf**	tumor necrosis factor
A_55_P2033362	2.00E-05	30.94	**Egr2**	early growth response 2
A_51_P385099	0.00017	30.93	**Tnf**	tumor necrosis factor

A_51_P147064	8.09E-06	30.85	**1600014C23Rik**	RIKEN cDNA 1600014C23 gene
A_55_P1994807	8.28E-10	30.69	**Saa2**	serum amyloid A 2
A_51_P385099	0.000211	30.65	**Tnf**	tumor necrosis factor
A_51_P203675	1.84E-05	30.40	**Trem3**	triggering receptor expressed on myeloid cells 3
A_55_P1988368	1.84E-05	30.37	**Upp1**	uridine phosphorylase 1
A_52_P507214	0.000486	30.18	**Mmp9**	matrix metallopeptidase 9
A_52_P327664	0.000105	30.18	**Gbp5**	guanylate binding protein 5
A_55_P2032775	1.08E-06	30.11		
A_55_P2156855	5.43E-06	29.70	**Car13**	carbonic anhydrase 13
A_51_P275101	2.93E-05	29.64	**Chst11**	carbohydrate sulfotransferase 11
A_52_P507214	0.000275	29.41	**Mmp9**	matrix metallopeptidase 9
A_52_P472324	2.36E-06	29.21	**Slpi**	secretory leukocyte peptidase inhibitor
A_66_P128537	9.52E-05	29.19	**Isg15**	ISG15 ubiquitin-like modifier
A_55_P1972872	0.002943	28.94	**I830012O16Rik**	RIKEN cDNA I830012O16 gene
A_51_P385099	0.000279	28.73	**Tnf**	tumor necrosis factor
A_55_P2052290	4.26E-07	28.55	**Psat1**	phosphoserine aminotransferase 1
A_55_P2186005	1.81E-06	28.47	**Sphk1**	sphingosine kinase 1
A_55_P2010038	1.10E-05	28.33	**Tnfsf9**	tumor necrosis factor (ligand) superfamily, member 9
A_52_P507214	0.000323	27.93	**Mmp9**	matrix metallopeptidase 9
A_55_P2000284	0.000134	27.67	**Phox2a**	paired-like homeobox 2a
A_51_P485756	0.001175	27.46	**Nts**	neurotensin
A_55_P2017116	8.66E-07	27.43		
A_30_P01032078	1.51E-07	27.43		
A_55_P1961499	1.47E-06	27.40	**Ly6c1**	lymphocyte antigen 6 complex, locus C1
A_51_P385099	0.000105	27.32	**Tnf**	tumor necrosis factor
A_30_P01024637	3.61E-07	27.16		
A_51_P499838	1.66E-06	27.14	**Bst1**	bone marrow stromal cell antigen 1
A_51_P385099	0.000188	26.52	**Tnf**	tumor necrosis factor
A_66_P140121	1.64E-05	26.39		
A_51_P501248	9.38E-06	26.37	**Sphk1**	sphingosine kinase 1
A_51_P517695	3.73E-05	26.04	**Ly6f**	lymphocyte antigen 6 complex, locus F
A_51_P140710	0.000113	25.84	**Ccl3**	chemokine (C-C motif) ligand 3
A_52_P56397	0.000223	25.64	**2610002D18Rik**	RIKEN cDNA 2610002D18 gene
A_51_P438967	3.76E-06	25.59	**Gpnmb**	glycoprotein (transmembrane) nmb
A_55_P2429225	1.91E-06	25.52	**Psrc1**	proline/serine-rich coiled-coil 1
A_55_P2103698	6.14E-06	25.48	**Isg15**	ISG15 ubiquitin-like modifier
A_51_P408703	0.000239	25.47	**1700045I19Rik**	ring finger protein 138 pseudogene
A_51_P511315	6.07E-05	25.32	**Pstpip1**	proline-serine-threonine phosphatase-interacting protein 1
A_51_P325223	4.16E-07	25.30	**Lin7b**	lin-7 homolog B (C. elegans)
A_51_P385099	0.000273	25.10	**Tnf**	tumor necrosis factor
A_51_P429252	0.000121	24.57	**Prok2**	prokineticin 2
A_66_P133404	0.000112	24.40	**2810417H13Rik**	RIKEN cDNA 2810417H13 gene
A_51_P170807	3.18E-05	24.37	**Map3k6**	mitogen-activated protein kinase kinase kinase 6
A_51_P302738	2.84E-05	24.33	**Upp1**	uridine phosphorylase 1
A_52_P68893	9.87E-05	24.29	**Ifng**	interferon gamma
A_55_P2168823	2.26E-05	24.29		
A_66_P117933	0.002845	24.29	**I830012O16Rik**	RIKEN cDNA I830012O16 gene
A_30_P01027366	0.000887	24.28		
A_55_P2068459	0.000151	24.27	**Hspa1a**	heat shock protein 1A
A_55_P1974243	2.25E-06	24.17	**Dbh**	dopamine beta hydroxylase
A_51_P387123	0.000292	24.15	**Oasl2**	2'-5' oligoadenylate synthetase-like 2
A_55_P2017347	5.89E-07	23.95	**Krtap11-1**	keratin associated protein 11-1
A_52_P354744	0.001131	23.91	**Slc2a3**	solute carrier family 2 (facilitated glucose transporter), member 3
A_52_P226348	6.92E-05	23.89		
A_55_P2121275	6.70E-09	23.68	**Gm4907**	predicted gene 4907
A_51_P311958	3.80E-07	23.67	**Orm3**	orosomucoid 3
A_55_P2050722	3.58E-06	23.56		
A_55_P1980796	1.98E-05	23.53	**Il2ra**	interleukin 2 receptor, alpha chain
A_30_P01033671	2.07E-05	23.53		
A_55_P2106180	0.002517	23.22	**Dnahc2**	dynein, axonemal, heavy chain 2
A_51_P137419	2.44E-05	23.18	**Cst7**	cystatin F (leukocystatin)
A_66_P106388	3.39E-07	23.13	**Ms4a4c**	membrane-spanning 4-domains, subfamily A, member 4C
A_55_P2090172	3.88E-06	22.94		
A_55_P2058783	5.05E-05	22.84	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_30_P01021483	0.000314	22.77		
A_52_P250644	0.003291	22.67		
A_51_P105380	9.65E-07	22.67	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P489996	1.58E-05	22.66		
A_55_P1960238	0.000103	22.61	**Slc2a6**	solute carrier family 2 (facilitated glucose transporter), member 6
A_51_P439085	5.92E-05	22.34	**2310016C08Rik**	RIKEN cDNA 2310016C08 gene
A_51_P385099	0.000318	22.24	**Tnf**	tumor necrosis factor
A_55_P2181386	5.05E-06	22.15	**Adm2**	adrenomedullin 2
A_55_P2004786	0.000708	22.14	**Ccr1l1**	chemokine (C-C motif) receptor 1-like 1
A_66_P108380	2.01E-06	21.98	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P1994042	8.17E-09	21.85	**Zbp1**	Z-DNA binding protein 1
A_51_P474459	8.16E-09	21.80	**Socs3**	suppressor of cytokine signaling 3
A_52_P167278	5.18E-07	21.57	**Mthfd1l**	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_55_P2056973	1.39E-06	21.47	**Treml2**	triggering receptor expressed on myeloid cells-like 2
A_55_P2135035	9.57E-05	21.42	**Hist1h4m**	histone cluster 1, H4m
A_51_P105380	2.22E-06	21.32	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_52_P494730	0.000338	21.04	**Gm12185**	predicted gene 12185
A_66_P131979	0.000103	21.04	**Cdc6**	cell division cycle 6 homolog (S. cerevisiae)
A_55_P2157307	6.60E-06	21.00		
A_30_P01033054	0.000116	20.99		
A_55_P1998892	2.75E-06	20.96	**Smox**	spermine oxidase
A_55_P2472435	2.07E-06	20.88	**Gbp3**	guanylate binding protein 3
A_66_P138929	2.95E-05	20.69	**Lox**	lysyl oxidase
A_55_P2172001	5.58E-06	20.66	**Mrgpra2a**	MAS-related GPR, member A2A
A_55_P2011341	9.12E-07	20.62		
A_30_P01030466	5.34E-08	20.54		
A_55_P1996746	7.50E-05	20.44	**Gm3142**	predicted gene 3142
A_52_P422494	9.30E-05	20.44	**Cd300lf**	CD300 antigen like family member F
A_55_P2068812	3.53E-06	20.33		
A_51_P487690	0.000581	20.19	**Ifi44**	interferon-induced protein 44
A_52_P101487	1.15E-06	20.15	**Ddn**	dendrin

A_51_P378856	2.86E-05	20.08	**Pfkp**	phosphofructokinase, platelet
A_55_P1958464	2.58E-05	19.99		
A_55_P1966774	3.46E-06	19.79	**Serpina3i**	serine (or cysteine) peptidase inhibitor, clade A, member 3I
A_55_P1998011	4.95E-06	19.69	**Klra23**	killer cell lectin-like receptor subfamily A, member 23
A_51_P201982	5.56E-05	19.66	**Angpt2**	angiopoietin 2
A_51_P123405	3.59E-05	19.64	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_55_P2154252	9.72E-07	19.62	**Gfpt2**	glutamine fructose-6-phosphate transaminase 2
A_55_P2143041	3.01E-05	19.55	**Phgdh**	3-phosphoglycerate dehydrogenase
A_52_P63343	6.35E-05	19.55	**Gm129**	predicted gene 129
A_30_P01024207	4.26E-07	19.53		
A_55_P1959748	2.52E-06	19.40	**Asns**	asparagine synthetase
A_55_P2094060	5.35E-07	19.39	**Gzma**	granzyme A
A_52_P139650	0.000127	19.38	**Ska1**	spindle and kinetochore associated complex subunit 1
A_30_P01021837	1.31E-08	19.34		
A_51_P176086	0.000277	19.33	**Ffar2**	free fatty acid receptor 2
A_55_P2137828	1.19E-05	19.32	**Gprc5b**	G protein-coupled receptor, family C, group 5, member B
A_55_P2158741	0.000409	19.27	**Nos2**	nitric oxide synthase 2, inducible
A_55_P1998942	8.95E-06	19.27	**Oas1a**	2'-5' oligoadenylate synthetase 1A
A_55_P2023037	6.19E-06	19.26	**Gm4759**	GTPase, very large interferon inducible 1 pseudogene
A_51_P518621	1.19E-05	19.24	**Hist1h3a**	histone cluster 1, H3a
A_51_P254656	1.02E-05	19.22	**Hdc**	histidine decarboxylase
A_52_P354682	5.40E-09	19.21	**Elovl7**	ELOVL family member 7, elongation of long chain fatty acids (yeast)
A_55_P2161595	2.03E-05	19.17	**Hpca**	hippocalcin
A_55_P2085012	0.000102	19.15		
A_66_P107703	3.18E-05	19.09	**Smox**	spermine oxidase
A_51_P163953	0.002118	19.05	**Nsg2**	neuron specific gene family member 2
A_51_P456208	0.000746	19.05	**Tff3**	trefoil factor 3, intestinal
A_51_P359570	0.001813	18.98	**Ifit3**	interferon-induced protein with tetratricopeptide repeats 3
A_51_P419117	1.03E-05	18.87	**Rab15**	RAB15, member RAS oncogene family
A_55_P2128203	1.21E-05	18.80		
A_51_P263246	0.000333	18.76	**Dusp8**	dual specificity phosphatase 8
A_51_P323180	0.000109	18.74	**Gbp9**	guanylate-binding protein 9
A_55_P1961320	2.57E-07	18.70	**Tes**	testis derived transcript
A_55_P2012979	0.000897	18.69	**Itgb2l**	integrin beta 2-like
A_55_P2096947	9.31E-05	18.69	**Ereg**	epiregulin
A_55_P2147081	4.12E-05	18.69	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_51_P131408	9.07E-07	18.63	**Tnfrsf12a**	tumor necrosis factor receptor superfamily, member 12a
A_55_P2060107	1.91E-06	18.61	**Pkm2**	pyruvate kinase, muscle
A_55_P1967443	2.28E-05	18.52		
A_55_P2106039	3.86E-05	18.47	**Map3k6**	mitogen-activated protein kinase kinase kinase 6
A_55_P2125208	1.04E-06	18.37	**Arid5a**	AT rich interactive domain 5A (MRF1-like)
A_55_P2120219	0.000246	18.35	**Rad51l1**	RAD51-like 1 (S. cerevisiae)
A_51_P165182	0.000174	18.34	**Batf2**	basic leucine zipper transcription factor, ATF-like 2
A_30_P01022711	6.56E-07	18.33		
A_55_P2186929	2.59E-05	18.28		
A_55_P2158741	0.000451	18.24	**Nos2**	nitric oxide synthase 2, inducible
A_51_P233797	1.04E-06	18.23	**Adh7**	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
A_51_P187750	0.000234	18.23	**Neurl3**	neuralized homolog 3 homolog (Drosophila)
A_52_P520607	0.000466	18.22	**Ankrd22**	ankyrin repeat domain 22
A_55_P2066463	2.61E-06	18.16	**Enah**	enabled homolog (Drosophila)
A_55_P1962918	2.33E-05	18.11	**Mnda**	myeloid cell nuclear differentiation antigen
A_51_P105380	6.34E-07	18.06	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P1958480	1.51E-06	18.03	**LOC545005**	hypothetical protein LOC545005
A_55_P2011620	5.14E-05	17.96	**Gpr141**	G protein-coupled receptor 141
A_30_P01019529	4.87E-07	17.96		
A_52_P383653	1.15E-05	17.91	**Cpne8**	copine VIII
A_30_P01032196	2.86E-05	17.90		
A_55_P2010271	1.45E-05	17.89	**Samsn1**	SAM domain, SH3 domain and nuclear localization signals, 1
A_55_P2025490	1.51E-05	17.89	**Tnfrsf18**	tumor necrosis factor receptor superfamily, member 18
A_30_P01028374	6.48E-05	17.87		
A_55_P2103706	0.000316	17.81		
A_55_P2001553	0.000156	17.71	**Igdcc4**	immunoglobulin superfamily, DCC subclass, member 4
A_55_P2103837	0.000138	17.69	**Gbp4**	guanylate binding protein 4
A_30_P01024045	1.44E-06	17.64		
A_51_P262515	3.13E-05	17.58	**Phf11**	PHD finger protein 11
A_51_P234253	3.99E-05	17.53	**Sdcbp2**	syndecan binding protein (syntenin) 2
A_55_P2048855	0.001112	17.46	**Sprr2a2**	small proline-rich protein 2A2
A_55_P2168990	1.76E-07	17.34	**Tmsb10**	thymosin, beta 10
A_51_P355434	0.000403	17.33		
A_55_P2022629	9.73E-07	17.33	**Oxct2b**	3-oxoacid CoA transferase 2B
A_55_P1997997	6.13E-07	17.30	**Klra23**	killer cell lectin-like receptor subfamily A, member 23
A_55_P2169356	1.17E-05	17.29		
A_55_P2042813	0.00111	17.22	**Gbp11**	guanylate binding protein 11
A_66_P133397	8.80E-07	17.11	**Chi3l4**	chitinase 3-like 4
A_55_P2017826	4.81E-06	17.03	**Myb**	myeloblastosis oncogene
A_30_P01018914	1.90E-06	17.01		
A_55_P2082319	9.35E-05	17.00	**BC094916**	cDNA sequence BC094916
A_51_P139678	0.000454	16.99	**Sprr1a**	small proline-rich protein 1A
A_55_P2130895	3.86E-05	16.98	**Runx3**	runt related transcription factor 3
A_55_P2008860	5.31E-05	16.98		
A_55_P2052385	0.000139	16.97	**Mpa2l**	macrophage activation 2 like
A_51_P294555	1.85E-07	16.97	**Ifitm6**	interferon induced transmembrane protein 6
A_51_P302358	0.000179	16.94	**Ltb**	lymphotoxin B
A_51_P105380	6.15E-07	16.93	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P491667	1.30E-06	16.93	**Derl3**	Der1-like domain family, member 3
A_55_P1990891	1.87E-06	16.92		
A_51_P154842	7.83E-06	16.86	**Oas1f**	2'-5' oligoadenylate synthetase 1F
A_55_P2025790	4.59E-05	16.83	**Fanci**	Fanconi anemia, complementation group I
A_55_P2035286	1.42E-05	16.83	**Uhrf1**	ubiquitin-like, containing PHD and RING finger domains, 1
A_55_P1996973	2.47E-05	16.74	**Gvin1**	GTPase, very large interferon inducible 1
A_51_P123405	6.86E-05	16.70	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_51_P237668	2.27E-05	16.60	**Bex2**	brain expressed X-linked 2
A_51_P123405	5.32E-05	16.52	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_55_P2015687	4.87E-05	16.50	**D14Ertd668e**	DNA segment, Chr 14, ERATO Doi 668, expressed
A_55_P2081164	0.000126	16.42	**Cd300lf**	CD300 antigen like family member F

A_30_P01027032	9.37E-07	16.41		
A_51_P327751	0.000536	16.41	**Ifit1**	interferon-induced protein with tetratricopeptide repeats 1
A_55_P1986282	6.21E-06	16.41	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P1964413	0.000389	16.39	**Olfr854**	olfactory receptor 854
A_51_P513568	6.98E-05	16.35	**Stx11**	syntaxin 11
A_51_P464918	0.000205	16.34	**Mefv**	Mediterranean fever
A_55_P2000224	2.26E-08	16.29	**Cd63**	CD63 antigen
A_55_P2034033	2.20E-06	16.29	**Il12rb1**	interleukin 12 receptor, beta 1
A_55_P2149011	2.60E-05	16.25	**Hif1a**	hypoxia inducible factor 1, alpha subunit
A_55_P2056789	0.000143	16.21	**Cmtm2a**	CKLF-like MARVEL transmembrane domain containing 2A
A_55_P2035509	3.60E-05	16.15	**Pyhin1**	pyrin and HIN domain family, member 1
A_55_P1998943	1.04E-05	16.09	**Oas1a**	2'-5' oligoadenylate synthetase 1A
A_51_P159453	1.28E-07	16.09	**Serpina3n**	serine (or cysteine) peptidase inhibitor, clade A, member 3N
A_55_P1995537	6.97E-05	16.08	**Mpo**	myeloperoxidase
A_55_P2036693	0.000598	16.07	**Cd40**	CD40 antigen
A_55_P2057936	8.64E-05	16.04	**Gm12250**	predicted gene 12250
A_55_P2043942	0.000243	15.93		
A_55_P2092085	1.60E-07	15.92	**Tmsb10**	thymosin, beta 10
A_52_P799815	0.000212	15.90	**Tmem171**	transmembrane protein 171
A_51_P116601	5.21E-06	15.86	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P1972582	0.000127	15.82		
A_55_P2011106	0.000117	15.81	**Junb**	Jun-B oncogene
A_55_P1956593	0.000628	15.80	**Plekha4**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4
A_51_P116601	5.92E-05	15.78	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2122619	0.000362	15.74	**Asb11**	ankyrin repeat and SOCS box-containing 11
A_55_P2161746	1.21E-05	15.73		
A_51_P116601	9.30E-06	15.71	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P105380	1.17E-06	15.71	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_30_P01030277	0.000127	15.70		
A_55_P2004541	1.05E-06	15.70	**Klra7**	killer cell lectin-like receptor, subfamily A, member 7
A_30_P01025986	3.46E-06	15.66		
A_52_P679860	0.00047	15.65	**Herc6**	hect domain and RLD 6
A_52_P480044	0.000194	15.64	**BC023105**	cDNA sequence BC023105
A_51_P132388	4.43E-06	15.63	**Akt3**	thymoma viral proto-oncogene 3
A_51_P378903	2.80E-09	15.63	**Olfr1260**	olfactory receptor 1260
A_55_P2082880	3.41E-05	15.62		
A_51_P162955	1.28E-06	15.60	**Serpina7**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7
A_30_P01026993	0.000411	15.54		
A_55_P2204804	5.49E-07	15.53	**Dclk1**	doublecortin-like kinase 1
A_55_P2141786	4.81E-06	15.53	**Pard6g**	par-6 partitioning defective 6 homolog gamma (C. elegans)
A_55_P2172396	1.81E-06	15.53	**A530064D06Rik**	RIKEN cDNA A530064D06 gene
A_30_P01017852	8.54E-05	15.52		
A_55_P2081656	1.53E-05	15.52		
A_30_P01028145	3.15E-07	15.47		
A_30_P01023508	0.000237	15.38		
A_55_P2169234	2.21E-07	15.33	**Pycr1**	pyrroline-5-carboxylate reductase 1
A_51_P105380	5.63E-06	15.32	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_51_P329928	8.09E-07	15.31	**Phlda3**	pleckstrin homology-like domain, family A, member 3
A_55_P2179587	3.43E-05	15.29	**Celsr3**	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)
A_51_P480241	0.000192	15.29	**Elf3**	E74-like factor 3
A_55_P2170394	9.55E-10	15.27	**Gm2518**	interferon induced transmembrane protein 2 pseudogene
A_55_P2135200	0.000103	15.22	**Slfn10-ps**	schlafen 10, pseudogene
A_51_P105380	6.42E-06	15.17	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2185900	2.80E-05	15.17	**Nrg4**	neuregulin 4
A_51_P116601	3.88E-05	15.15	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2011084	8.58E-06	15.15		
A_30_P01027958	2.10E-07	15.15		
A_55_P2000280	2.89E-06	15.10	**Mthfd1l**	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_51_P116601	2.53E-05	15.06	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P148037	1.93E-06	15.03	**Sh3pxd2b**	SH3 and PX domains 2B
A_30_P01029182	3.65E-06	14.99		
A_55_P2055055	7.41E-05	14.99	**4930547M16Rik**	RIKEN cDNA 4930547M16 gene
A_66_P105585	3.71E-06	14.96	**Slfn8**	schlafen 8
A_52_P386627	4.41E-05	14.95	**Irak3**	interleukin-1 receptor-associated kinase 3
A_51_P382849	3.14E-06	14.90	**Emb**	embigin
A_55_P2168140	2.17E-05	14.84	**Gm5958**	predicted pseudogene 5958
A_55_P1995205	0.000292	14.78	**Top2a**	topoisomerase (DNA) II alpha
A_55_P2151638	1.89E-05	14.77	**Klra15**	killer cell lectin-like receptor, subfamily A, member 15
A_55_P2041784	0.000119	14.77	**Gna13**	guanine nucleotide binding protein, alpha 13
A_55_P2144126	1.86E-07	14.77		
A_55_P2098398	0.000277	14.73	**Trim30c**	tripartite motif-containing 30C
A_51_P123405	0.000367	14.72	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_55_P1991812	0.001321	14.70	**Gm5431**	predicted gene 5431
A_55_P2038882	0.000373	14.69	**Niacr1**	niacin receptor 1
A_52_P514407	8.27E-06	14.65	**Klra15**	killer cell lectin-like receptor, subfamily A, member 15
A_52_P64514	0.000193	14.63	**Herc6**	hect domain and RLD 6
A_55_P1985337	1.10E-05	14.59	**Sytl3**	synaptotagmin-like 3
A_30_P01028549	3.12E-08	14.57		
A_51_P369200	3.33E-06	14.52	**Tpx2**	TPX2, microtubule-associated protein homolog (Xenopus laevis)
A_30_P01024661	5.93E-05	14.44		
A_52_P443334	0.002062	14.43	**Cd8a**	CD8 antigen, alpha chain
A_51_P265571	0.000205	14.43	**Adm**	adrenomedullin
A_30_P01020327	3.65E-08	14.41		
A_30_P01021163	1.35E-08	14.37		
A_30_P01022068	1.71E-06	14.37		
A_51_P123405	0.000165	14.35	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_30_P01029020	1.20E-06	14.31		
A_55_P1973563	2.35E-05	14.28	**5730559C18Rik**	RIKEN cDNA 5730559C18 gene
A_51_P167360	1.86E-05	14.28	**Ptpn7**	protein tyrosine phosphatase, non-receptor type 7
A_55_P2044932	2.73E-05	14.26	**Gpr84**	G protein-coupled receptor 84
A_51_P116601	3.09E-05	14.23	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P1988010	3.36E-05	14.23	**Gm10406**	predicted gene 10406
A_55_P2187141	9.20E-05	14.19	**Pdcd1lg2**	programmed cell death 1 ligand 2
A_51_P105380	4.83E-07	14.14	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2157093	0.00483	14.09	**Bcl2l14**	BCL2-like 14 (apoptosis facilitator)

A_66_P126293	2.16E-06	14.07	**Itgb3**	integrin beta 3
A_52_P466090	1.05E-05	14.04	**Samhd1**	SAM domain and HD domain, 1
A_52_P312102	2.80E-05	14.02	**Sema3g**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G
A_30_P01032402	2.99E-05	14.01		
A_55_P2111264	7.64E-07	14.01	**Lhx9**	LIM homeobox protein 9
A_51_P463846	7.87E-05	13.99	**Gbp6**	guanylate binding protein 6
A_55_P2019312	0.00012	13.96	**Car12**	carbonic anyhydrase 12
A_55_P2004536	1.26E-06	13.93	**Klra4**	killer cell lectin-like receptor, subfamily A, member 4
A_55_P2111478	6.18E-06	13.91	**Polq**	polymerase (DNA directed), theta
A_55_P2147487	1.91E-07	13.85	**Cyth3**	cytohesin 3
A_55_P1966369	2.91E-06	13.85	**Mybl1**	myeloblastosis oncogene-like 1
A_51_P116601	5.10E-06	13.84	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_30_P01025723	8.97E-06	13.81		
A_55_P2106121	0.000543	13.78	**Il21**	interleukin 21
A_55_P1977431	1.03E-08	13.78	**Cck**	cholecystokinin
A_52_P1197913	8.50E-06	13.77	**Gadd45b**	growth arrest and DNA-damage-inducible 45 beta
A_55_P2038489	9.24E-05	13.72		
A_51_P206585	2.89E-06	13.64	**Runx1**	runt related transcription factor 1
A_55_P2038262	2.49E-05	13.60	**Gm4902**	predicted gene 4902
A_30_P01029305	1.38E-05	13.59		
A_52_P186937	0.001128	13.53	**Cmpk2**	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial
A_51_P452629	5.08E-05	13.52	**Tlr2**	toll-like receptor 2
A_55_P2114724	4.75E-09	13.50	**Mospd4**	motile sperm domain containing 4
A_55_P1988384	6.89E-06	13.47	**Slc7a3**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3
A_55_P2036083	8.06E-06	13.44	**Gm5797**	predicted gene 5797
A_51_P332652	2.94E-05	13.42	**Pqlc3**	PQ loop repeat containing
A_55_P2013336	1.51E-05	13.42	**Melk**	maternal embryonic leucine zipper kinase
A_30_P01021869	0.00012	13.40		
A_52_P174915	5.14E-05	13.37	**Gja1**	gap junction protein, alpha 1
A_55_P2005838	0.000121	13.33	**5730590G19Rik**	RIKEN cDNA 5730590G19 gene
A_30_P01028201	0.000158	13.31		
A_30_P01020928	0.000286	13.30		
A_51_P116601	1.23E-05	13.28	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_55_P2020538	0.000191	13.22		
A_55_P2050828	2.14E-06	13.19	**Olfr469**	olfactory receptor 469
A_55_P2173892	2.50E-06	13.16	**Isg20**	interferon-stimulated protein
A_51_P452629	7.32E-05	13.16	**Tlr2**	toll-like receptor 2
A_51_P116601	1.46E-05	13.15	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_30_P01027580	0.001152	13.13		
A_52_P520495	0.000642	13.11	**Vcam1**	vascular cell adhesion molecule 1
A_55_P1954718	7.06E-08	13.08	**Cyb561**	cytochrome b-561
A_55_P2039320	3.87E-05	13.07	**Zfp365**	zinc finger protein 365
A_51_P173709	3.05E-05	13.05	**Gprc5b**	G protein-coupled receptor, family C, group 5, member B
A_51_P123405	0.000173	13.01	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_51_P492830	6.99E-05	13.01	**Cenph**	centromere protein H
A_55_P1958146	0.000376	12.96	**Sh2d1a**	SH2 domain protein 1A
A_55_P1983768	0.000472	12.93	**Birc5**	baculoviral IAP repeat-containing 5
A_52_P431615	9.05E-05	12.92	**Gm1966**	predicted gene 1966
A_51_P105380	3.58E-06	12.90	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2147083	0.000123	12.88	**Tnfaip6**	tumor necrosis factor alpha induced protein 6
A_55_P2097789	5.69E-08	12.88	**H2-T18**	histocompatibility 2, T region locus 18
A_52_P199633	0.000145	12.85	**Trim30d**	tripartite motif-containing 30D
A_30_P01019660	8.29E-07	12.83		
A_30_P01025339	5.14E-05	12.83		
A_55_P2116165	4.66E-05	12.83	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P265495	8.50E-05	12.82	**Ly6a**	lymphocyte antigen 6 complex, locus A
A_51_P285206	8.84E-05	12.82	**Cd3d**	CD3 antigen, delta polypeptide
A_55_P1984168	3.12E-05	12.80	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_55_P2060604	5.83E-06	12.76	**Gm5797**	predicted gene 5797
A_30_P01019523	1.35E-05	12.76		
A_52_P425890	0.000118	12.74	**Slfn1**	schlafen 1
A_55_P2062495	5.56E-06	12.73	**Smyd1**	SET and MYND domain containing 1
A_55_P2124586	0.000617	12.72	**Xlr4a**	X-linked lymphocyte-regulated 4A
A_30_P01025357	0.000231	12.72		
A_55_P1960735	0.000112	12.71	**Gdf15**	growth differentiation factor 15
A_52_P621588	3.71E-05	12.67	**Il28ra**	interleukin 28 receptor alpha
A_55_P1963017	7.96E-06	12.67	**Stfa1**	stefin A1
A_55_P2051721	0.000125	12.66	**Psg22**	pregnancy-specific glycoprotein 22
A_55_P2115401	1.78E-05	12.62	**Bst1**	bone marrow stromal cell antigen 1
A_55_P1998843	4.17E-05	12.58	**Ifi203**	interferon activated gene 203
A_55_P2094868	2.30E-06	12.58	**Ly75**	lymphocyte antigen 75
A_51_P519251	0.000345	12.53	**Nupr1**	nuclear protein 1
A_55_P2359797	7.51E-05	12.52	**Nod2**	nucleotide-binding oligomerization domain containing 2
A_55_P2145136	0.000178	12.52		
A_51_P444290	0.000663	12.51	**Slamf8**	SLAM family member 8
A_55_P2071447	1.14E-05	12.51	**Il21r**	interleukin 21 receptor
A_55_P2101757	3.04E-05	12.51	**Dscc1**	defective in sister chromatid cohesion 1 homolog (S. cerevisiae)
A_55_P2114953	0.000153	12.49	**Usp18**	ubiquitin specific peptidase 18
A_52_P40954	1.50E-05	12.46	**5330426P16Rik**	RIKEN cDNA 5330426P16 gene
A_55_P2032440	5.86E-07	12.44	**Gm8378**	predicted gene 8378
A_30_P01030851	0.00033	12.44		
A_55_P2088145	0.000762	12.44		
A_30_P01019832	0.000324	12.43		
A_55_P2186080	2.08E-05	12.40		
A_55_P2091461	4.16E-05	12.39	**Casp4**	caspase 4, apoptosis-related cysteine peptidase
A_55_P1959496	1.16E-06	12.37		
A_55_P2089913	0.000725	12.37	**Cd6**	CD6 antigen
A_51_P275454	1.85E-05	12.37	**Trim30a**	tripartite motif-containing 30A
A_55_P2077664	9.86E-05	12.35	**Gm5458**	predicted gene 5458
A_55_P1997421	1.67E-06	12.30	**Gm5416**	predicted gene 5416
A_55_P2179599	0.001828	12.22	**Gbp8**	guanylate-binding protein 8
A_55_P2051596	4.54E-06	12.22		
A_51_P230098	0.000264	12.20	**Pbk**	PDZ binding kinase
A_55_P2036357	2.53E-05	12.19	**Pyhin1**	pyrin and HIN domain family, member 1
A_51_P472867	1.85E-05	12.18	**Oas3**	2'-5' oligoadenylate synthetase 3

A_55_P2050044	3.57E-06	12.15		
A_55_P2030282	7.21E-06	12.15	**ENSMUSG00000068**	predicted gene, ENSMUSG00000068790
A_55_P2065562	0.002378	12.14	**Aldh3a1**	aldehyde dehydrogenase family 3, subfamily A1
A_55_P1957353	0.000294	12.14		
A_55_P1971244	3.55E-05	12.12	**Ndufa4l2**	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2
A_52_P31543	5.74E-06	12.10	**Btg2**	B-cell translocation gene 2, anti-proliferative
A_66_P121495	5.99E-05	12.09	**Psat1**	phosphoserine aminotransferase 1
A_30_P01023276	0.00115	12.09		
A_51_P392291	5.50E-10	12.06	**Pdk3**	pyruvate dehydrogenase kinase, isoenzyme 3
A_52_P443334	0.001221	12.06	**Cd8a**	CD8 antigen, alpha chain
A_51_P452629	4.49E-05	12.06	**Tlr2**	toll-like receptor 2
A_55_P2159485	3.35E-06	12.05		
A_51_P247249	1.43E-05	12.01	**Alox5**	arachidonate 5-lipoxygenase
A_52_P613241	1.68E-05	12.00	**Icam1**	intercellular adhesion molecule 1
A_52_P362917	0.00018	11.96	**Pfkfb3**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_51_P343833	4.26E-05	11.95	**Traf1**	TNF receptor-associated factor 1
A_52_P463962	3.90E-05	11.94	**Krtap16-10**	keratin associated protein 16-10
A_66_P119915	6.40E-08	11.92		
A_55_P2037697	0.001572	11.90	**Gm9733**	predicted gene 9733
A_55_P1964717	2.22E-07	11.87	**Gm10398**	predicted gene 10398
A_52_P174915	1.24E-05	11.86	**Gja1**	gap junction protein, alpha 1
A_55_P1983769	0.000431	11.85	**Birc5**	baculoviral IAP repeat-containing 5
A_51_P452629	8.94E-05	11.85	**Tlr2**	toll-like receptor 2
A_52_P591310	0.001548	11.85	**Hoxd13**	homeobox D13
A_30_P01025511	1.94E-06	11.83		
A_30_P01033540	0.00041	11.83		
A_30_P01025572	0.000264	11.83		
A_51_P452629	4.04E-05	11.80	**Tlr2**	toll-like receptor 2
A_52_P65237	0.003717	11.78	**Zbtb7c**	zinc finger and BTB domain containing 7C
A_51_P123405	0.000167	11.76	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_51_P488196	0.002891	11.74	**Bmper**	BMP-binding endothelial regulator
A_55_P1962723	0.001695	11.70		
A_30_P01022938	1.38E-06	11.70		
A_55_P1988009	3.11E-05	11.69		
A_55_P2171116	4.64E-05	11.68	**Lgals3**	lectin, galactose binding, soluble 3
A_52_P399934	2.19E-05	11.68	**Dusp2**	dual specificity phosphatase 2
A_30_P01026240	6.92E-08	11.68		
A_55_P2071132	4.21E-06	11.68	**Tnfrsf23**	tumor necrosis factor receptor superfamily, member 23
A_51_P452629	6.78E-05	11.67	**Tlr2**	toll-like receptor 2
A_55_P2032678	4.95E-08	11.66	**Lox**	lysyl oxidase
A_55_P2103011	6.79E-05	11.64	**Sema4d**	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema
A_55_P1975310	1.15E-05	11.63	**Tgif2lx2**	TGFB-induced factor homeobox 2-like, X-linked 2
A_51_P185757	1.08E-05	11.60	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_55_P2079669	0.000184	11.59	**Bcat1**	branched chain aminotransferase 1, cytosolic
A_51_P452629	3.47E-05	11.58	**Tlr2**	toll-like receptor 2
A_30_P01021129	3.02E-05	11.55		
A_52_P443334	0.000812	11.55	**Cd8a**	CD8 antigen, alpha chain
A_55_P2077623	3.08E-05	11.53		
A_51_P344566	0.000129	11.51	**Plk1**	polo-like kinase 1 (Drosophila)
A_30_P01029572	0.000213	11.49		
A_52_P174915	6.29E-05	11.49	**Gja1**	gap junction protein, alpha 1
A_55_P2167763	0.001417	11.49		
A_51_P452629	6.26E-05	11.48	**Tlr2**	toll-like receptor 2
A_51_P484289	3.12E-05	11.47	**Slc7a6**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6
A_30_P01027135	0.000134	11.46		
A_55_P2066219	6.57E-08	11.44	**Gm3455**	predicted gene 3455
A_55_P2098727	4.03E-06	11.42		
A_55_P2046101	0.000189	11.42	**Xlr4b**	X-linked lymphocyte-regulated 4B
A_52_P174915	5.43E-05	11.39	**Gja1**	gap junction protein, alpha 1
A_30_P01020873	1.84E-05	11.31		
A_55_P2077901	0.000448	11.31	**Cd2**	CD2 antigen
A_51_P122055	2.85E-05	11.30	**D17H6S56E-3**	DNA segment, Chr 17, human D6S56E 3
A_55_P2011385	0.000324	11.30		
A_51_P499195	2.26E-05	11.30	**Nkg7**	natural killer cell group 7 sequence
A_51_P126067	0.001133	11.28	**Cd2**	CD2 antigen
A_52_P535484	3.73E-05	11.28	**Gvin1**	GTPase, very large interferon inducible 1
A_52_P262219	9.52E-05	11.26	**Fos**	FBJ osteosarcoma oncogene
A_51_P452629	4.46E-05	11.25	**Tlr2**	toll-like receptor 2
A_55_P2180176	1.32E-06	11.24	**Ms4a6b**	membrane-spanning 4-domains, subfamily A, member 6B
A_51_P126067	0.001175	11.23	**Cd2**	CD2 antigen
A_51_P348433	2.81E-06	11.21	**Rasal1**	RAS protein activator like 1 (GAP1 like)
A_55_P1999902	1.05E-08	11.19		
A_55_P2063381	3.31E-05	11.19	**5430405G05Rik**	RIKEN cDNA 5430405G05 gene
A_51_P448147	5.31E-05	11.19	**Gimap7**	GTPase, IMAP family member 7
A_55_P1998979	8.62E-05	11.16	**Oas1g**	2'-5' oligoadenylate synthetase 1G
A_51_P116601	1.09E-05	11.16	**A330021E22Rik**	RIKEN cDNA A330021E22 gene
A_51_P505907	9.60E-08	11.15	**Tcl1b2**	T-cell leukemia/lymphoma 1B, 2
A_51_P396570	1.57E-05	11.13	**Plod2**	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2
A_55_P1955656	2.52E-05	11.12	**Ctla2a**	cytotoxic T lymphocyte-associated protein 2 alpha
A_55_P2036240	2.08E-06	11.08	**LOC100503637**	envelope glycoprotein-like
A_55_P2085779	2.05E-09	11.08	**Ifi27l2b**	interferon, alpha-inducible protein 27 like 2B
A_55_P2110245	7.39E-06	11.07	**Fignl1**	fidgetin-like 1
A_52_P262219	8.33E-05	11.06	**Fos**	FBJ osteosarcoma oncogene
A_51_P452629	4.35E-05	11.06	**Tlr2**	toll-like receptor 2
A_66_P130024	0.001791	11.06		
A_52_P174915	5.97E-05	11.06	**Gja1**	gap junction protein, alpha 1
A_55_P2053838	7.61E-05	11.04	**Tnfaip3**	tumor necrosis factor, alpha-induced protein 3
A_55_P2094925	2.46E-05	11.02	**Srgn**	serglycin
A_51_P455326	0.000205	11.01	**Sele**	selectin, endothelial cell
A_55_P2181963	4.33E-05	11.01	**Gm8369**	predicted gene 8369
A_55_P1998811	4.99E-06	11.00		
A_55_P1987059	4.34E-06	10.98		
A_51_P441983	4.77E-06	10.97	**Itga2**	integrin alpha 2
A_55_P2103952	0.000122	10.95		
A_55_P2014149	1.40E-06	10.93		

A_51_P136294	3.13E-05	10.93	**Ms4a4b**	membrane-spanning 4-domains, subfamily A, member 4B
A_30_P01021177	8.37E-10	10.92		
A_55_P2067947	0.000414	10.91		
A_30_P01024344	5.17E-06	10.90		
A_30_P01028308	0.000502	10.89		
A_55_P2004007	0.000171	10.89		
A_51_P100852	0.000329	10.87	**Fam26f**	family with sequence similarity 26, member F
A_55_P2086659	1.86E-05	10.86	**Rad54l**	RAD54 like (S. cerevisiae)
A_51_P208922	7.24E-05	10.85	**Stc2**	stanniocalcin 2
A_30_P01017848	5.73E-06	10.85		
A_55_P1993851	2.83E-05	10.83		
A_51_P464738	1.65E-05	10.81	**Slc2a1**	solute carrier family 2 (facilitated glucose transporter), member 1
A_55_P2158404	0.000969	10.81	**Cmpk2**	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial
A_55_P2101055	0.000124	10.79	**Alpk1**	alpha-kinase 1
A_30_P01026610	0.000503	10.77		
A_52_P262219	0.000107	10.77	**Fos**	FBJ osteosarcoma oncogene
A_51_P486239	5.31E-06	10.76	**Clec3b**	C-type lectin domain family 3, member b
A_55_P2046262	3.82E-05	10.76	**Phgdh**	3-phosphoglycerate dehydrogenase
A_55_P1957459	0.000505	10.73	**Lilrb4**	leukocyte immunoglobulin-like receptor, subfamily B, member 4
A_52_P262219	4.13E-05	10.72	**Fos**	FBJ osteosarcoma oncogene
A_55_P2031851	0.000536	10.71		
A_52_P174915	4.35E-05	10.70	**Gja1**	gap junction protein, alpha 1
A_30_P01027922	0.000464	10.67		
A_51_P105380	3.41E-06	10.65	**2010005H15Rik**	RIKEN cDNA 2010005H15 gene
A_55_P2156653	0.001066	10.65	**Gpr174**	G protein-coupled receptor 174
A_52_P398989	0.000103	10.65	**Cytip**	cytohesin 1 interacting protein
A_51_P408071	0.000541	10.63	**Kntc1**	kinetochore associated 1
A_55_P2179266	0.001978	10.62		
A_51_P385718	0.000531	10.61	**Cd177**	CD177 antigen
A_52_P246703	0.002172	10.58	**Ak7**	adenylate kinase 7
A_30_P01027576	0.000571	10.58		
A_30_P01032427	0.002683	10.57		
A_52_P380369	3.74E-05	10.56	**D14Ertd668e**	DNA segment, Chr 14, ERATO Doi 668, expressed
A_55_P2011937	6.99E-05	10.55	**Fignl1**	fidgetin-like 1
A_52_P174915	9.77E-05	10.54	**Gja1**	gap junction protein, alpha 1
A_55_P2063736	0.000526	10.53	**Gp49a**	glycoprotein 49 A
A_30_P01032129	3.67E-06	10.50		
A_55_P2135986	1.12E-06	10.48	**Ms4a4c**	membrane-spanning 4-domains, subfamily A, member 4C
A_55_P1981455	4.32E-05	10.46		
A_55_P2026238	0.000213	10.45		
A_51_P193336	9.54E-06	10.44	**Nucb2**	nucleobindin 2
A_55_P2157627	1.66E-05	10.44		
A_30_P01021824	1.47E-06	10.39		
A_52_P162298	3.22E-07	10.39	**Ydjc**	YdjC homolog (bacterial)
A_51_P241457	0.000777	10.38	**Lilrb4**	leukocyte immunoglobulin-like receptor, subfamily B, member 4
A_51_P419656	8.22E-05	10.37	**Klk1b27**	kallikrein 1-related peptidase b27
A_55_P2067362	8.10E-06	10.36		
A_52_P262219	9.92E-05	10.35	**Fos**	FBJ osteosarcoma oncogene
A_30_P01022715	1.28E-06	10.35		
A_51_P167263	0.000649	10.32	**Cd5**	CD5 antigen
A_55_P1982559	0.000342	10.31	**1700007K13Rik**	RIKEN cDNA 1700007K13 gene
A_55_P2012989	0.000544	10.30	**Slamf7**	SLAM family member 7
A_51_P423578	5.46E-06	10.29	**Slfn2**	schlafen 2
A_55_P2036967	6.11E-06	10.28	**Cox17**	cytochrome c oxidase, subunit XVII assembly protein homolog (yeast)
A_52_P443334	0.000958	10.25	**Cd8a**	CD8 antigen, alpha chain
A_30_P01024622	1.06E-06	10.25		
A_55_P2072120	0.000268	10.25	**AW011738**	expressed sequence AW011738
A_55_P2004224	5.40E-05	10.22		
A_51_P100852	0.000375	10.22	**Fam26f**	family with sequence similarity 26, member F
A_55_P2004526	4.59E-06	10.20	**Klra8**	killer cell lectin-like receptor, subfamily A, member 8
A_55_P2110713	1.50E-08	10.19	**Anxa2**	annexin A2
A_55_P1974189	4.04E-05	10.19	**Ptges**	prostaglandin E synthase
A_51_P258721	8.50E-06	10.19	**Tpsg1**	tryptase gamma 1
A_51_P501364	2.49E-05	10.17	**Tbx21**	T-box 21
A_51_P100852	0.000125	10.17	**Fam26f**	family with sequence similarity 26, member F
A_55_P2177073	7.47E-05	10.16		
A_51_P228658	7.60E-06	10.16	**Isyna1**	myo-inositol 1-phosphate synthase A1
A_52_P120803	0.000115	10.15	**Ankrd1**	ankyrin repeat domain 1 (cardiac muscle)
A_55_P2167714	3.56E-08	10.14	**Klra12**	killer cell lectin-like receptor subfamily A, member 12
A_55_P2004527	6.43E-07	10.14	**Klra8**	killer cell lectin-like receptor, subfamily A, member 8
A_55_P2019557	4.23E-06	10.14	**Mrgpra2b**	MAS-related GPR, member A2B
A_52_P443334	0.001962	10.13	**Cd8a**	CD8 antigen, alpha chain
A_51_P347240	1.40E-05	10.12	**Ppil5**	peptidylprolyl isomerase (cyclophilin) like 5
A_66_P106661	8.92E-07	10.12	**Slc7a1**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
A_51_P123405	2.47E-05	10.12	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_52_P262219	0.000119	10.12	**Fos**	FBJ osteosarcoma oncogene
A_51_P518051	1.43E-06	10.10	**Dusp4**	dual specificity phosphatase 4
A_51_P100852	0.000417	10.09	**Fam26f**	family with sequence similarity 26, member F
A_52_P174915	8.82E-05	10.09	**Gja1**	gap junction protein, alpha 1
A_52_P262219	8.62E-05	10.09	**Fos**	FBJ osteosarcoma oncogene
A_55_P1996941	0.000161	10.08	**Ube2c**	ubiquitin-conjugating enzyme E2C
A_52_P319438	2.52E-05	10.08	**Ankrd37**	ankyrin repeat domain 37
A_55_P2032946	2.42E-06	10.06	**Gsta1**	glutathione S-transferase, alpha 1 (Ya)
A_52_P279425	0.000191	10.06	**Cd96**	CD96 antigen
A_30_P01025783	8.67E-06	10.05		
A_51_P381260	4.01E-06	10.04	**Fxyd5**	FXYD domain-containing ion transport regulator 5
A_51_P286496	3.43E-06	10.04	**Il2rb**	interleukin 2 receptor, beta chain
A_55_P1991688	1.95E-05	10.03	**Rad51ap1**	RAD51 associated protein 1
A_55_P2076871	0.000514	10.02	**Lef1**	lymphoid enhancer binding factor 1
A_55_P2007496	1.94E-06	10.02		
A_55_P2017115	1.07E-07	10.01		
A_51_P100852	0.000372	9.98	**Fam26f**	family with sequence similarity 26, member F
A_51_P391955	0.001022	9.98	**Dapl1**	death associated protein-like 1
A_51_P326191	0.000526	9.97	**Serpina3g**	serine (or cysteine) peptidase inhibitor, clade A, member 3G
A_52_P533280	0.00018	9.96	**Prm1**	protamine 1

A_51_P181565	0.000207	9.95	**Hbegf**	heparin-binding EGF-like growth factor
A_55_P2142662	0.000118	9.93		
A_30_P01028766	2.25E-06	9.93		
A_55_P2096422	3.69E-05	9.92	**Inhbb**	inhibin beta-B
A_52_P150683	0.000678	9.92	**Grap2**	GRB2-related adaptor protein 2
A_51_P100852	0.000252	9.91	**Fam26f**	family with sequence similarity 26, member F
A_55_P2023449	1.10E-05	9.90	**Gm6337**	predicted gene 6337
A_30_P01028744	1.45E-06	9.89		
A_51_P100852	0.000192	9.89	**Fam26f**	family with sequence similarity 26, member F
A_55_P1979491	2.21E-05	9.88	**Cd28**	CD28 antigen
A_55_P2071952	6.73E-07	9.87	**Wdr92**	WD repeat domain 92
A_55_P2023523	4.65E-05	9.84	**Aloxe3**	arachidonate lipoxygenase 3
A_51_P204080	0.000205	9.84	**Hk2**	hexokinase 2
A_52_P262219	9.62E-05	9.82	**Fos**	FBJ osteosarcoma oncogene
A_55_P1958039	4.76E-07	9.82	**Klra16**	killer cell lectin-like receptor, subfamily A, member 16
A_52_P262219	0.000166	9.81	**Fos**	FBJ osteosarcoma oncogene
A_52_P110070	0.000186	9.80	**5730416F02Rik**	RIKEN cDNA 5730416F02 gene
A_30_P01031737	1.36E-06	9.80		
A_51_P282508	1.19E-06	9.80	**Rhoc**	ras homolog gene family, member C
A_52_P503663	7.36E-05	9.80	**Gpr120**	G protein-coupled receptor 120
A_51_P510900	2.62E-05	9.79	**Serpini2**	serine (or cysteine) peptidase inhibitor, clade I, member 2
A_52_P91274	2.25E-05	9.78	**1700018G05Rik**	RIKEN cDNA 1700018G05 gene
A_55_P2016623	8.45E-09	9.78	**Gm5068**	predicted gene 5068
A_55_P2027836	1.67E-05	9.77	**Tnfrsf10b**	tumor necrosis factor receptor superfamily, member 10b
A_51_P239984	7.50E-05	9.76	**Exo1**	exonuclease 1
A_51_P500090	1.20E-05	9.74	**Klra7**	killer cell lectin-like receptor, subfamily A, member 7
A_51_P100852	0.000447	9.73	**Fam26f**	family with sequence similarity 26, member F
A_52_P443334	0.000375	9.71	**Cd8a**	CD8 antigen, alpha chain
A_30_P01031029	8.95E-07	9.70		
A_51_P187262	7.19E-05	9.69	**Mmp25**	matrix metallopeptidase 25
A_55_P2011387	0.000416	9.69	**Tifa**	TRAF-interacting protein with forkhead-associated domain
A_55_P2072035	3.09E-05	9.67	**Thy1**	thymus cell antigen 1, theta
A_52_P438919	1.85E-06	9.67	**Olfr524**	olfactory receptor 524
A_55_P2129614	2.44E-06	9.65	**Itprip**	inositol 1,4,5-triphosphate receptor interacting protein
A_55_P2027999	4.97E-05	9.65	**Hk1**	hexokinase 1
A_55_P1965659	2.25E-06	9.64	**Havcr2**	hepatitis A virus cellular receptor 2
A_55_P2095010	3.71E-07	9.64		
A_51_P149714	0.000128	9.63	**Ms4a6d**	membrane-spanning 4-domains, subfamily A, member 6D
A_55_P2117656	0.000252	9.63	**Slfn8**	schlafen 8
A_52_P585124	0.000158	9.62	**Cxcr4**	chemokine (C-X-C motif) receptor 4
A_55_P2095754	0.000668	9.61	**Mrgpra5**	MAS-related GPR, member A5
A_30_P01019383	0.000126	9.59		
A_30_P01024377	8.48E-09	9.56		
A_52_P112591	0.002838	9.55		
A_52_P186033	8.79E-06	9.54	**Spn**	sialophorin
A_52_P925277	0.004346	9.54	**Bcl11b**	B-cell leukemia/lymphoma 11B
A_55_P2149083	0.000144	9.53	**Fpr-rs6**	formyl peptide receptor, related sequence 6
A_55_P2171493	0.000158	9.52	**BC030867**	cDNA sequence BC030867
A_55_P2281818	0.00014	9.52	**LOC433347**	hypothetical LOC433347
A_55_P2107542	0.00011	9.52		
A_55_P2017636	1.31E-05	9.51	**Thbs1**	thrombospondin 1
A_55_P2010364	1.09E-06	9.51	**Gm5116**	predicted gene 5116
A_55_P2065991	6.84E-08	9.50	**S100a11**	S100 calcium binding protein A11 (calgizzarin)
A_55_P2184459	2.48E-06	9.50		
A_55_P2087628	1.44E-05	9.50	**LOC640793**	schlafen family member 13-like
A_30_P01023554	1.41E-07	9.50		
A_51_P351015	0.00052	9.48	**Lta**	lymphotoxin A
A_55_P1973573	4.50E-05	9.48	**Spn**	sialophorin
A_55_P2063237	3.41E-06	9.47	**Dusp5**	dual specificity phosphatase 5
A_52_P616356	0.001604	9.47	**Ccr1**	chemokine (C-C motif) receptor 1
A_30_P01026716	4.12E-05	9.46		
A_55_P2133248	0.000236	9.46	**Gm8995**	predicted gene 8995
A_66_P125327	7.07E-06	9.46	**Ccne1**	cyclin E1
A_52_P262219	0.000172	9.44	**Fos**	FBJ osteosarcoma oncogene
A_51_P242967	2.19E-05	9.43	**Piwil2**	piwi-like homolog 2 (Drosophila)
A_55_P2069641	4.53E-09	9.43		
A_51_P100852	0.000201	9.43	**Fam26f**	family with sequence similarity 26, member F
A_55_P2052380	0.000196	9.41	**Mpa2l**	macrophage activation 2 like
A_55_P2084739	0.000177	9.41	**Gcnt1**	glucosaminyl (N-acetyl) transferase 1, core 2
A_30_P01028633	4.17E-06	9.41		
A_51_P324228	7.53E-05	9.38	**Satb1**	special AT-rich sequence binding protein 1
A_30_P01020172	1.66E-06	9.37		
A_51_P112355	6.45E-06	9.37	**Igtp**	interferon gamma induced GTPase
A_55_P2187217	1.00E-05	9.36		
A_51_P100852	0.000597	9.36	**Fam26f**	family with sequence similarity 26, member F
A_51_P135340	1.42E-05	9.35	**Panx1**	pannexin 1
A_55_P2399688	8.63E-06	9.35	**Glipr2**	GLI pathogenesis-related 2
A_52_P467449	0.000368	9.33	**Alox12**	arachidonate 12-lipoxygenase
A_66_P106789	5.22E-05	9.32		
A_55_P1960157	0.000631	9.27	**Bcat1**	branched chain aminotransferase 1, cytosolic
A_55_P2345853	3.22E-05	9.27	**3830612M24**	hypothetical protein 3830612M24
A_55_P2128229	9.20E-06	9.26		
A_51_P125135	8.14E-05	9.25	**Cdca5**	cell division cycle associated 5
A_66_P112573	2.21E-06	9.24	**Isg20**	interferon-stimulated protein
A_55_P2029523	5.36E-06	9.24		
A_51_P477121	0.000379	9.21	**Pmaip1**	phorbol-12-myristate-13-acetate-induced protein 1
A_51_P112355	1.37E-05	9.21	**Igtp**	interferon gamma induced GTPase
A_52_P174915	6.90E-05	9.21	**Gja1**	gap junction protein, alpha 1
A_52_P162099	8.49E-05	9.20	**Ckap2**	cytoskeleton associated protein 2
A_55_P2109445	9.13E-05	9.20	**Irf4**	interferon regulatory factor 4
A_52_P108346	2.65E-05	9.20	**Myc**	myelocytomatosis oncogene
A_55_P1985433	0.003466	9.20	**Nrg1**	neuregulin 1
A_55_P2015405	9.69E-05	9.18	**9930111J21Rik1**	RIKEN cDNA 9930111J21 gene 1
A_30_P01025012	3.34E-06	9.18		
A_52_P174915	3.57E-05	9.18	**Gja1**	gap junction protein, alpha 1

A_55_P2022114	4.31E-07	9.17		
A_30_P01028842	2.26E-06	9.16		
A_66_P133269	0.000643	9.15	**Hesx1**	homeobox gene expressed in ES cells
A_55_P1955950	2.45E-08	9.15	**Gm8437**	predicted gene 8437
A_55_P2320283	1.69E-05	9.15	**Hmga2-ps1**	high mobility group AT-hook 2, pseudogene 1
A_55_P2010547	2.14E-06	9.14		
A_55_P2111563	2.04E-06	9.14		
A_55_P1962305	1.73E-05	9.14	**Plac8**	placenta-specific 8
A_52_P74680	0.001252	9.14	**Gm6273**	predicted gene 6273
A_51_P364210	5.76E-07	9.12	**Ms4a3**	membrane-spanning 4-domains, subfamily A, member 3
A_30_P01025000	0.000349	9.10		
A_55_P1956588	0.000522	9.10		
A_55_P2372228	6.72E-06	9.08	**A430104N18Rik**	RIKEN cDNA A430104N18 gene
A_51_P100327	4.87E-06	9.08	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P126067	0.000365	9.07	**Cd2**	CD2 antigen
A_52_P443334	0.001825	9.07	**Cd8a**	CD8 antigen, alpha chain
A_55_P2036883	4.41E-05	9.07	**Hist2h2bb**	histone cluster 2, H2bb
A_51_P408946	3.72E-08	9.07	**Ccne1**	cyclin E1
A_51_P100327	7.28E-06	9.05	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_66_P124254	6.54E-07	9.04		
A_52_P443334	0.002479	9.03	**Cd8a**	CD8 antigen, alpha chain
A_55_P1956083	0.000101	9.02	**Gpr68**	G protein-coupled receptor 68
A_30_P01017570	0.000185	9.02		
A_51_P100327	3.43E-06	9.01	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_55_P2057976	9.14E-09	9.01		
A_52_P550173	0.003989	8.99	**Slamf1**	signaling lymphocytic activation molecule family member 1
A_52_P605812	6.44E-08	8.98	**Ptrh1**	peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)
A_30_P01029999	3.24E-07	8.97		
A_51_P112355	1.03E-05	8.97	**Igtp**	interferon gamma induced GTPase
A_51_P112355	1.14E-05	8.96	**Igtp**	interferon gamma induced GTPase
A_51_P112355	9.80E-06	8.96	**Igtp**	interferon gamma induced GTPase
A_66_P123603	3.17E-08	8.95		
A_51_P100327	3.84E-06	8.94	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_52_P104824	1.56E-05	8.93	**Diap3**	diaphanous homolog 3 (Drosophila)
A_55_P2155504	5.01E-05	8.92	**Lck**	lymphocyte protein tyrosine kinase
A_55_P2112787	2.05E-05	8.91	**Iigp1b**	interferon inducible GTPase 1B
A_51_P100327	3.24E-06	8.91	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P112355	1.20E-05	8.91	**Igtp**	interferon gamma induced GTPase
A_51_P123134	0.000146	8.91	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_55_P1969128	0.004798	8.91	**Cidec**	cell death-inducing DFFA-like effector c
A_51_P100327	3.85E-06	8.90	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P126067	0.001873	8.88	**Cd2**	CD2 antigen
A_55_P1964812	6.08E-06	8.88	**Tcfap2a**	transcription factor AP-2, alpha
A_66_P126819	0.005443	8.86		
A_51_P151902	4.84E-06	8.86	**Spon1**	spondin 1, (f-spondin) extracellular matrix protein
A_55_P1953533	2.12E-06	8.84	**Spon1**	spondin 1, (f-spondin) extracellular matrix protein
A_55_P2101340	2.57E-05	8.83	**Ramp3**	receptor (calcitonin) activity modifying protein 3
A_51_P343350	1.43E-06	8.83	**Amn**	amnionless
A_55_P2153131	1.39E-07	8.83	**Ldhc**	lactate dehydrogenase C
A_51_P112355	1.69E-05	8.83	**Igtp**	interferon gamma induced GTPase
A_30_P01024629	6.47E-05	8.83		
A_55_P1954835	3.14E-05	8.82	**Ramp3**	receptor (calcitonin) activity modifying protein 3
A_55_P2094173	7.32E-05	8.79	**Gm626**	predicted gene 626
A_51_P100327	6.22E-06	8.79	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_51_P100327	4.57E-06	8.78	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_30_P01029942	4.77E-07	8.78		
A_52_P340669	0.005359	8.77	**Bhlha15**	basic helix-loop-helix family, member a15
A_30_P01030594	0.000498	8.77		
A_55_P1973352	1.70E-05	8.77	**LOC100503910**	hypothetical LOC100503910
A_30_P01023452	4.18E-07	8.76		
A_55_P2020090	2.37E-07	8.75	**Mum1l1**	melanoma associated antigen (mutated) 1-like 1
A_55_P2090060	0.001751	8.74	**BC037703**	cDNA sequence BC037703
A_55_P1970002	6.68E-07	8.73	**Sh3kbp1**	SH3-domain kinase binding protein 1
A_55_P2046092	0.000788	8.72	**Xlr4d-ps**	X-linked lymphocyte-regulated 4D, pseudogene
A_55_P2115225	0.000344	8.72	**Fap**	fibroblast activation protein
A_55_P2097072	3.39E-08	8.71		
A_51_P125135	6.33E-05	8.71	**Cdca5**	cell division cycle associated 5
A_55_P2121294	0.000398	8.70		
A_55_P2021735	1.48E-05	8.70	**Tsga10ip**	testis specific 10 interacting protein
A_51_P490795	3.46E-06	8.70	**Mxd1**	MAX dimerization protein 1
A_51_P303749	4.83E-05	8.69	**Depdc1b**	DEP domain containing 1B
A_51_P100327	1.45E-06	8.69	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_30_P01029002	7.02E-06	8.68		
A_52_P108346	3.80E-05	8.67	**Myc**	myelocytomatosis oncogene
A_51_P319460	5.28E-08	8.67	**Osmr**	oncostatin M receptor
A_51_P389751	1.15E-05	8.66	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_51_P112355	8.96E-06	8.66	**Igtp**	interferon gamma induced GTPase
A_30_P01017626	5.51E-05	8.64		
A_30_P01026746	3.88E-06	8.63		
A_55_P2087118	0.000347	8.62	**Ly6i**	lymphocyte antigen 6 complex, locus I
A_30_P01018694	5.84E-05	8.62		
A_51_P100327	5.23E-06	8.62	**Tap1**	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
A_30_P01024775	0.001533	8.62		
A_52_P552589	7.31E-05	8.62	**Map4k1**	mitogen-activated protein kinase kinase kinase kinase 1
A_55_P1988228	0.000106	8.61	**Aspm**	asp (abnormal spindle)-like, microcephaly associated (Drosophila)
A_55_P1983773	5.69E-05	8.61	**Birc5**	baculoviral IAP repeat-containing 5
A_51_P204402	0.000229	8.58	**Shcbp1**	Shc SH2-domain binding protein 1
A_55_P2048448	2.50E-05	8.56	**Klra23**	killer cell lectin-like receptor subfamily A, member 23
A_51_P123405	0.000549	8.56	**Bub1**	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)
A_51_P369252	6.48E-05	8.55	**4632434I11Rik**	RIKEN cDNA 4632434I11 gene
A_55_P1966833	1.58E-06	8.53	**Xaf1**	XIAP associated factor 1
A_55_P2046802	6.68E-07	8.52	**Mlkl**	mixed lineage kinase domain-like
A_55_P2062543	5.12E-08	8.51	**Kifc1**	kinesin family member C1
A_55_P2149107	2.91E-05	8.51	**BC055324**	cDNA sequence BC055324
A_51_P309158	5.10E-05	8.50	**Snx20**	sorting nexin 20

A_55_P1954221	1.42E-09	8.50	**Emp1**	epithelial membrane protein 1
A_55_P2115330	5.69E-05	8.50	**Nrg4**	neuregulin 4
A_30_P01031855	0.002646	8.49		
A_51_P480119	4.87E-07	8.48	**Prelid2**	PRELI domain containing 2
A_30_P01020218	5.81E-08	8.46		
A_55_P2164534	0.000347	8.46	**Dtl**	denticleless homolog (Drosophila)
A_51_P481398	7.96E-05	8.46	**Kif11**	kinesin family member 11
A_51_P112355	5.05E-06	8.45	**Igtp**	interferon gamma induced GTPase
A_51_P288876	3.46E-05	8.43	**Tmem45a**	transmembrane protein 45a
A_51_P112355	7.63E-06	8.43	**Igtp**	interferon gamma induced GTPase
A_30_P01022335	0.000993	8.43		
A_52_P483799	0.001077	8.42	**Pydc4**	pyrin domain containing 4
A_55_P2068260	4.24E-05	8.42	**Hist1h3g**	histone cluster 1, H3g
A_52_P663413	9.71E-06	8.41	**P4ha2**	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide
A_55_P2104689	8.86E-05	8.41		
A_55_P1953788	7.96E-05	8.40	**Itk**	IL2-inducible T-cell kinase
A_51_P420400	0.000403	8.40	**Lef1**	lymphoid enhancer binding factor 1
A_55_P1962304	1.52E-05	8.39	**Plac8**	placenta-specific 8
A_55_P2077958	0.000142	8.38	**Klra5**	killer cell lectin-like receptor, subfamily A, member 5
A_55_P2378486	0.001345	8.38	**Kcnma1**	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
A_30_P01019306	1.44E-07	8.37		
A_51_P495242	0.000141	8.36	**Lat**	linker for activation of T cells
A_30_P01021678	9.15E-07	8.35		
A_52_P458000	3.56E-05	8.34	**AI467606**	expressed sequence AI467606
A_52_P232580	8.24E-07	8.33	**Dyrk3**	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
A_55_P2090505	9.58E-07	8.33		
A_51_P123134	0.000593	8.33	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_30_P01023340	3.80E-07	8.32		
A_52_P604629	9.55E-06	8.31	**Csrnp1**	cysteine-serine-rich nuclear protein 1
A_66_P108965	1.31E-05	8.31	**Smpdl3b**	sphingomyelin phosphodiesterase, acid-like 3B
A_66_P126336	1.05E-06	8.30	**4930563M20Rik**	RIKEN cDNA 4930563M20 gene
A_51_P130727	0.00022	8.30	**Fkbp11**	FK506 binding protein 11
A_30_P01029022	0.000295	8.30		
A_52_P354823	0.000538	8.29	**Irf8**	interferon regulatory factor 8
A_30_P01028377	9.45E-08	8.29		
A_55_P2091193	1.71E-05	8.28		
A_55_P1971076	1.68E-05	8.27	**Atp11a**	ATPase, class VI, type 11A
A_55_P2023542	0.000785	8.26	**Ccr7**	chemokine (C-C motif) receptor 7
A_30_P01017898	4.24E-08	8.26		
A_30_P01024706	2.04E-06	8.25		
A_55_P2117614	0.003958	8.25	**Tnfrsf13c**	tumor necrosis factor receptor superfamily, member 13c
A_55_P2103249	0.000599	8.25	**Cxcr1**	chemokine (C-X-C motif) receptor 1
A_55_P2430367	0.004007	8.24	**Zbtb8b**	zinc finger and BTB domain containing 8b
A_30_P01023737	2.64E-07	8.24		
A_55_P2154982	0.000185	8.23	**Cd8b1**	CD8 antigen, beta chain 1
A_30_P01021705	7.17E-07	8.22		
A_55_P2117677	4.05E-07	8.21		
A_55_P2158990	2.96E-06	8.21	**Jun**	Jun oncogene
A_51_P325856	1.01E-05	8.21	**1810033B17Rik**	RIKEN cDNA 1810033B17 gene
A_55_P1971619	2.85E-05	8.21		
A_55_P2098971	0.000195	8.20	**Gm14085**	predicted gene 14085
A_55_P1953353	0.000575	8.20	**Triobp**	TRIO and F-actin binding protein
A_55_P2124319	1.28E-07	8.20		
A_55_P2003048	0.000732	8.19		
A_55_P2158592	3.59E-05	8.18	**Sirpb1a**	signal-regulatory protein beta 1A
A_55_P1955103	1.54E-05	8.17		
A_51_P208680	2.06E-05	8.16	**Chtf18**	CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)
A_51_P125135	0.000104	8.16	**Cdca5**	cell division cycle associated 5
A_55_P2056205	3.93E-06	8.15	**Fpr3**	formyl peptide receptor 3
A_55_P2108773	5.05E-05	8.15	**4930427A07Rik**	RIKEN cDNA 4930427A07 gene
A_51_P123134	1.56E-06	8.14	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_52_P330214	1.97E-06	8.14	**Fanca**	Fanconi anemia, complementation group A
A_55_P2066505	0.000398	8.14	**Mpo**	myeloperoxidase
A_30_P01021913	3.90E-08	8.13		
A_52_P354373	0.000291	8.12	**1190002F15Rik**	RIKEN cDNA 1190002F15 gene
A_52_P291428	3.97E-05	8.12	**Gm5458**	predicted gene 5458
A_30_P01018204	5.87E-06	8.11		
A_55_P2053181	2.61E-05	8.10	**Nefh**	neurofilament, heavy polypeptide
A_55_P2186822	5.56E-08	8.08	**Gm7896**	predicted gene 7896
A_55_P1958227	3.57E-09	8.08		
A_55_P2095513	0.004131	8.08	**Try5**	trypsin 5
A_55_P2041868	0.000571	8.07	**Ptafr**	platelet-activating factor receptor
A_52_P628590	1.72E-06	8.07	**Pvr**	poliovirus receptor
A_55_P2017681	2.29E-05	8.06	**C5ar1**	complement component 5a receptor 1
A_55_P2038152	2.80E-07	8.05	**Ankrd43**	ankyrin repeat domain 43
A_51_P393305	3.98E-08	8.05	**Sidt1**	SID1 transmembrane family, member 1
A_52_P403246	0.001914	8.05	**B230217C12Rik**	RIKEN cDNA B230217C12 gene
A_52_P443334	0.000458	8.05	**Cd8a**	CD8 antigen, alpha chain
A_52_P534583	0.002259	8.04	**Ahsp**	alpha hemoglobin stabilizing protein
A_55_P2143522	3.14E-07	8.02	**Fstl3**	follistatin-like 3
A_55_P1998416	7.61E-06	8.02	**Ifi47**	interferon gamma inducible protein 47
A_55_P2004547	0.000585	7.99	**Klra6**	killer cell lectin-like receptor, subfamily A, member 6
A_52_P322141	1.65E-05	7.96	**Ccdc88b**	coiled-coil domain containing 88B
A_66_P119034	3.47E-05	7.95	**Pla2g7**	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
A_55_P2052016	1.13E-05	7.95	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_30_P01018343	4.79E-06	7.94		
A_51_P359603	1.29E-05	7.93	**Itgb7**	integrin beta 7
A_51_P285736	4.14E-05	7.91	**Pdcd1**	programmed cell death 1
A_51_P176156	5.50E-06	7.91	**LOC100038947**	signal-regulatory protein beta 1-like
A_51_P125135	0.000136	7.91	**Cdca5**	cell division cycle associated 5
A_51_P484880	1.87E-06	7.90	**Bcl2l11**	BCL2-like 11 (apoptosis facilitator)
A_51_P125135	0.00013	7.90	**Cdca5**	cell division cycle associated 5
A_52_P645410	7.85E-05	7.90	**Apobec3**	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3
A_51_P519791	4.31E-05	7.90	**F630043A04Rik**	RIKEN cDNA F630043A04 gene
A_52_P403484	9.86E-05	7.89	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2

A_30_P01023083	1.37E-05	7.88		
A_55_P2118570	2.36E-11	7.87	**Cd37**	CD37 antigen
A_55_P1977426	8.60E-06	7.86	**Oscar**	osteoclast associated receptor
A_30_P01028898	2.54E-07	7.84		
A_55_P2121697	1.19E-05	7.83		
A_30_P01022725	9.96E-06	7.82		
A_51_P483118	2.07E-07	7.81	**Hmga1**	high mobility group AT-hook 1
A_52_P496726	0.000305	7.81	**Rasd1**	RAS, dexamethasone-induced 1
A_55_P2034110	5.26E-08	7.80	**Tgm2**	transglutaminase 2, C polypeptide
A_55_P2034311	3.35E-05	7.79		
A_30_P01031203	1.08E-06	7.78		
A_55_P2153431	8.03E-05	7.78	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_51_P126067	0.000288	7.77	**Cd2**	CD2 antigen
A_55_P2122075	7.69E-05	7.77	**Pdcd1lg2**	programmed cell death 1 ligand 2
A_52_P577384	2.64E-11	7.76	**Il18bp**	interleukin 18 binding protein
A_51_P125135	7.95E-05	7.75	**Cdca5**	cell division cycle associated 5
A_55_P1984566	0.000131	7.75		
A_52_P354123	8.76E-06	7.74	**Rhebl1**	Ras homolog enriched in brain like 1
A_30_P01020833	9.09E-07	7.74		
A_51_P493649	0.001535	7.74	**Sult1e1**	sulfotransferase family 1E, member 1
A_66_P109986	6.47E-05	7.73	**Cd33**	CD33 antigen
A_55_P1966194	2.03E-05	7.73	**Plek**	pleckstrin
A_52_P420466	5.04E-06	7.72	**Hist1h2ab**	histone cluster 1, H2ab
A_55_P1999715	0.000237	7.71		
A_55_P2163729	0.000774	7.70	**Fam18a**	family with sequence similarity 18, member A
A_55_P2418824	0.001452	7.70	**4930527F14Rik**	RIKEN cDNA 4930527F14 gene
A_55_P2051229	3.34E-05	7.70	**Gpr132**	G protein-coupled receptor 132
A_51_P103541	2.74E-07	7.69	**Cacna1s**	calcium channel, voltage-dependent, L type, alpha 1S subunit
A_55_P1955681	7.78E-05	7.69	**Chrm3**	cholinergic receptor, muscarinic 3, cardiac
A_55_P2382105	8.04E-06	7.69	**BC035044**	cDNA sequence BC035044
A_51_P125135	0.000101	7.68	**Cdca5**	cell division cycle associated 5
A_30_P01032083	2.49E-06	7.67		
A_51_P143200	9.39E-06	7.67	**Tcstv3**	2-cell-stage, variable group, member 3
A_55_P2028171	0.000187	7.66	**Dppa5a**	developmental pluripotency associated 5A
A_30_P01019130	1.07E-05	7.66		
A_51_P513530	0.001303	7.66	**Spag5**	sperm associated antigen 5
A_51_P291417	1.20E-06	7.65	**Thbd**	thrombomodulin
A_30_P01020285	0.005322	7.64		
A_52_P24308	1.28E-07	7.63	**Uchl1**	ubiquitin carboxy-terminal hydrolase L1
A_55_P2353853	3.94E-07	7.63	**4933402C06Rik**	RIKEN cDNA 4933402C06 gene
A_51_P125135	5.91E-05	7.63	**Cdca5**	cell division cycle associated 5
A_66_P109183	0.000176	7.62	**Apold1**	apolipoprotein L domain containing 1
A_51_P478172	0.000402	7.62		
A_51_P408227	0.000294	7.62	**9130017N09Rik**	RIKEN cDNA 9130017N09 gene
A_55_P2002968	6.25E-06	7.61	**Coro2a**	coronin, actin binding protein 2A
A_55_P2118794	8.36E-07	7.60	**Otop2**	otopetrin 2
A_51_P159610	8.67E-06	7.60	**Ccdc120**	coiled-coil domain containing 120
A_55_P2049398	4.10E-08	7.59	**1700013N18Rik**	ubiquitin-conjugating enzyme E2D 2 pseudogene
A_51_P481920	6.16E-05	7.58	**Ccna2**	cyclin A2
A_55_P1978424	5.91E-05	7.57	**Bcl2a1d**	B-cell leukemia/lymphoma 2 related protein A1d
A_55_P2244112	2.97E-06	7.56	**Amotl1**	angiomotin-like 1
A_51_P514085	0.00012	7.56	**Mx2**	myxovirus (influenza virus) resistance 2
A_55_P2091191	4.41E-06	7.55	**Slc28a2**	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2
A_55_P2048164	3.94E-05	7.55	**5730528L13Rik**	RIKEN cDNA 5730528L13 gene
A_55_P2073099	1.41E-05	7.54	**Trex1**	three prime repair exonuclease 1
A_51_P240453	0.000165	7.54	**Nusap1**	nucleolar and spindle associated protein 1
A_55_P1992884	1.12E-08	7.54		
A_55_P1998932	5.93E-05	7.52	**Tmem154**	transmembrane protein 154
A_55_P2104884	4.09E-06	7.52	**5430425K12Rik**	RIKEN cDNA 5430425K12 gene
A_51_P351015	0.000571	7.51	**Lta**	lymphotoxin A
A_55_P2143042	7.27E-06	7.49	**Gm8096**	3-phosphoglycerate dehydrogenase pseudogene
A_30_P01030726	1.61E-06	7.48		
A_55_P1969800	5.01E-06	7.48		
A_55_P2075213	2.57E-06	7.48	**Kbtbd11**	kelch repeat and BTB (POZ) domain containing 11
A_55_P2030938	0.000207	7.47	**Trim59**	tripartite motif-containing 59
A_51_P125135	0.000102	7.47	**Cdca5**	cell division cycle associated 5
A_51_P181286	0.000181	7.46	**Cd69**	CD69 antigen
A_51_P520306	0.001902	7.44	**Alox12**	arachidonate 12-lipoxygenase
A_51_P431046	0.000277	7.44	**St8sia3**	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3
A_51_P123134	0.002746	7.43	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_55_P2125059	6.73E-06	7.43		
A_66_P113749	0.000267	7.42	**Il2rg**	interleukin 2 receptor, gamma chain
A_30_P01019819	1.88E-06	7.41		
A_52_P559748	0.00045	7.41	**Hist1h2bq**	histone cluster 1, H2bq
A_55_P2114342	8.49E-07	7.41		
A_51_P215489	3.48E-08	7.40	**Slc37a1**	solute carrier family 37 (glycerol-3-phosphate transporter), member 1
A_30_P01033266	0.003955	7.40		
A_51_P238722	3.53E-06	7.39	**Cd93**	CD93 antigen
A_52_P522427	0.00011	7.38	**Hsh2d**	hematopoietic SH2 domain containing
A_52_P318073	6.71E-05	7.37		
A_55_P1994289	7.41E-05	7.37		
A_55_P1955159	1.61E-07	7.37	**4933415F23Rik**	RIKEN cDNA 4933415F23 gene
A_51_P489522	5.21E-05	7.36	**Ctla2b**	cytotoxic T lymphocyte-associated protein 2 beta
A_51_P126067	0.000511	7.36	**Cd2**	CD2 antigen
A_55_P2100194	0.002332	7.36		
A_30_P01023122	9.92E-08	7.35		
A_55_P2185905	3.18E-05	7.35	**Nrg4**	neuregulin 4
A_55_P2000943	5.46E-07	7.34	**Nrip3**	nuclear receptor interacting protein 3
A_55_P2159870	5.40E-05	7.34	**Tead4**	TEA domain family member 4
A_51_P253803	4.55E-05	7.33	**Mki67**	antigen identified by monoclonal antibody Ki 67
A_30_P01018018	3.23E-06	7.33		
A_30_P01029642	7.73E-08	7.32		
A_55_P2022519	0.000941	7.32	**Tmem108**	transmembrane protein 108
A_51_P317031	3.04E-05	7.32	**Ccdc109b**	coiled-coil domain containing 109B
A_51_P508959	3.23E-05	7.32	**Prr15**	proline rich 15

A_51_P288138	0.000482	7.32	**Fpr2**	formyl peptide receptor 2
A_55_P2168736	1.21E-05	7.29	**Relb**	avian reticuloendotheliosis viral (v-rel) oncogene related B
A_55_P2127672	1.77E-08	7.28		
A_51_P190111	2.59E-05	7.28	**Mcm5**	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)
A_52_P567228	1.04E-05	7.28	**Cyp2w1**	cytochrome P450, family 2, subfamily w, polypeptide 1
A_30_P01025287	0.000201	7.28		
A_55_P2076048	0.000941	7.27	**Nuf2**	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae)
A_55_P1966721	0.000142	7.26	**9930105H17Rik**	RIKEN cDNA 9930105H17 gene
A_51_P159503	9.48E-06	7.26		
A_30_P01022169	2.50E-05	7.25		
A_55_P2185667	3.48E-06	7.25		
A_66_P120380	1.31E-05	7.25	**Apol10b**	apolipoprotein L 10b
A_30_P01020683	1.42E-07	7.24		
A_55_P2065671	0.000104	7.24	**Ccnb1**	cyclin B1
A_52_P200458	6.70E-06	7.24	**Fut4**	fucosyltransferase 4
A_51_P260740	4.14E-05	7.24	**Pcdh7**	protocadherin 7
A_51_P123134	1.12E-07	7.23	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_52_P275259	2.75E-05	7.23	**4930525M21Rik**	RIKEN cDNA 4930525M21 gene
A_51_P209818	0.000478	7.22	**Prtn3**	proteinase 3
A_55_P1999102	6.58E-08	7.22	**Pi16**	peptidase inhibitor 16
A_55_P2037662	6.86E-05	7.21	**Atp1a3**	ATPase, Na+/K+ transporting, alpha 3 polypeptide
A_55_P1960237	0.000323	7.21	**Slc2a6**	solute carrier family 2 (facilitated glucose transporter), member 6
A_55_P2063336	5.02E-05	7.19	**4930427A07Rik**	RIKEN cDNA 4930427A07 gene
A_55_P2070059	6.43E-05	7.18		
A_55_P2071291	0.000193	7.18		
A_55_P2013236	0.00019	7.17	**S100g**	S100 calcium binding protein G
A_51_P444447	9.58E-05	7.16	**Cebpd**	CCAAT/enhancer binding protein (C/EBP), delta
A_52_P517098	9.71E-05	7.16	**Il18rap**	interleukin 18 receptor accessory protein
A_51_P270949	2.35E-05	7.16	**Hist1h1b**	histone cluster 1, H1b
A_52_P220879	5.51E-07	7.14	**Tgm2**	transglutaminase 2, C polypeptide
A_55_P2115270	0.002736	7.14		
A_51_P177092	5.43E-06	7.14	**Stat4**	signal transducer and activator of transcription 4
A_51_P111962	1.14E-05	7.13	**Bean1**	brain expressed, associated with Nedd4, 1
A_51_P171772	0.000739	7.12	**Bcl11b**	B-cell leukemia/lymphoma 11B
A_30_P01032002	4.14E-08	7.12		
A_55_P1999992	1.23E-05	7.11	**Galnt12**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12
A_55_P2361652	6.04E-05	7.10	**C230085N15Rik**	RIKEN cDNA C230085N15 gene
A_55_P1979330	1.04E-05	7.07	**Dapp1**	dual adaptor for phosphotyrosine and 3-phosphoinositides 1
A_55_P2099910	0.000278	7.07	**F730043M19Rik**	RIKEN cDNA F730043M19 gene
A_51_P125056	2.64E-06	7.07	**Oxct2a**	3-oxoacid CoA transferase 2A
A_51_P351015	0.000979	7.07	**Lta**	lymphotoxin A
A_55_P2073377	2.11E-05	7.06	**Mki67**	antigen identified by monoclonal antibody Ki 67
A_30_P01033599	2.85E-07	7.06		
A_55_P2067583	0.000127	7.06	**Cd68**	CD68 antigen
A_51_P351015	0.001472	7.05	**Lta**	lymphotoxin A
A_30_P01022005	2.92E-06	7.05		
A_30_P01030985	0.000395	7.05		
A_55_P2148746	1.08E-06	7.04	**Ptma**	prothymosin alpha
A_55_P2171658	7.64E-06	7.04	**Stx3**	syntaxin 3
A_51_P126067	0.001457	7.04	**Cd2**	CD2 antigen
A_30_P01028787	4.30E-05	7.04		
A_51_P123134	1.99E-05	7.03	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_55_P2163549	4.93E-06	7.03		
A_55_P2174633	1.63E-07	7.03		
A_55_P2049867	0.00033	7.03	**Ccrl2**	chemokine (C-C motif) receptor-like 2
A_51_P448127	3.33E-06	7.02	**2410004A20Rik**	RIKEN cDNA 2410004A20 gene
A_55_P2137325	3.04E-07	7.01		
A_66_P129263	0.000187	7.01	**Lekr1**	leucine, glutamate and lysine rich 1
A_55_P1956147	0.000546	7.00	**B4galnt2**	beta-1,4-N-acetyl-galactosaminyl transferase 2
A_30_P01025944	2.06E-07	6.99		
A_52_P445253	1.06E-06	6.97	**Dst**	dystonin
A_51_P194609	6.86E-07	6.97	**Prss34**	protease, serine, 34
A_51_P481693	0.000379	6.97	**Ero1l**	ERO1-like (S. cerevisiae)
A_55_P2134616	1.73E-06	6.97		
A_30_P01027276	2.34E-07	6.96		
A_51_P148105	1.62E-05	6.96	**Rad51**	RAD51 homolog (S. cerevisiae)
A_30_P01019079	2.26E-06	6.96		
A_55_P1958038	1.11E-05	6.96	**Klra16**	killer cell lectin-like receptor, subfamily A, member 16
A_52_P359257	9.12E-05	6.95	**5830408C22Rik**	RIKEN cDNA 5830408C22 gene
A_30_P01026125	1.78E-05	6.95		
A_66_P125389	3.26E-05	6.93	**F830016B08Rik**	RIKEN cDNA F830016B08 gene
A_55_P2290914	0.000203	6.93	**Trav3n-3**	T cell receptor alpha variable 3N-3
A_30_P01032467	0.000105	6.93		
A_55_P2056719	9.76E-07	6.93	**AF067061**	cDNA sequence AF067061
A_51_P424959	0.000108	6.92	**Bcl6b**	B-cell CLL/lymphoma 6, member B
A_55_P2042833	0.005066	6.92		
A_52_P300730	9.88E-06	6.91	**Hmga2**	high mobility group AT-hook 2
A_51_P351015	0.000129	6.91	**Lta**	lymphotoxin A
A_55_P2164492	5.64E-05	6.90		
A_30_P01023429	0.000108	6.90		
A_66_P108603	0.001237	6.89	**E030018B13Rik**	RIKEN cDNA E030018B13 gene
A_51_P451346	9.34E-08	6.89	**Klf6**	Kruppel-like factor 6
A_30_P01023590	3.16E-06	6.89		
A_51_P111532	2.28E-05	6.88	**Ubash3a**	ubiquitin associated and SH3 domain containing, A
A_52_P654703	3.85E-05	6.88	**Trim69**	tripartite motif-containing 69
A_51_P367866	1.97E-05	6.88	**Egr1**	early growth response 1
A_55_P1994862	4.25E-06	6.88	**Ddx60**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60
A_30_P01024151	4.72E-06	6.86		
A_55_P1956488	5.90E-07	6.86	**Epb4.9**	erythrocyte protein band 4.9
A_55_P2179463	0.000243	6.86	**Tnfsf8**	tumor necrosis factor (ligand) superfamily, member 8
A_66_P108088	1.68E-07	6.85		
A_51_P126067	0.000624	6.85	**Cd2**	CD2 antigen
A_55_P2123502	0.000127	6.85	**Jam2**	junction adhesion molecule 2
A_51_P363947	8.62E-09	6.84	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P1988975	7.04E-06	6.84		

A_30_P01027393	4.40E-08	6.84		
A_51_P418116	0.000388	6.84	**Tmem119**	transmembrane protein 119
A_51_P125135	0.000108	6.84	**Cdca5**	cell division cycle associated 5
A_66_P128761	0.000386	6.84	**Pydc3**	pyrin domain containing 3
A_51_P199168	0.0021	6.83	**Cidea**	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A
A_55_P1971378	0.000193	6.83	**Nlrp12**	NLR family, pyrin domain containing 12
A_55_P2036627	0.000107	6.83	**Pydc3**	pyrin domain containing 3
A_66_P119518	0.000195	6.82	**Tuba8**	tubulin, alpha 8
A_55_P2266178	2.01E-05	6.82	**AI790276**	expressed sequence AI790276
A_55_P2059110	0.00023	6.81	**Skap1**	src family associated phosphoprotein 1
A_55_P1974005	9.05E-08	6.80	**Tnfrsf23**	tumor necrosis factor receptor superfamily, member 23
A_51_P123134	3.01E-05	6.80	**Ercc6l**	excision repair cross-complementing rodent repair deficiency complementation group 6 - like
A_52_P297176	5.13E-06	6.79		
A_55_P2166501	4.75E-05	6.79	**Cd44**	CD44 antigen
A_55_P2066578	1.76E-05	6.79	**Ifi204**	interferon activated gene 204
A_55_P2048588	5.79E-05	6.79	**Cdk1**	cyclin-dependent kinase 1
A_51_P126067	0.000945	6.79	**Cd2**	CD2 antigen
A_30_P01030356	1.20E-05	6.78		
A_55_P2033041	1.20E-05	6.77	**Sirpb1b**	signal-regulatory protein beta 1B
A_55_P2097384	0.001185	6.77	**ENSMUSG00000068**	predicted gene, ENSMUSG00000068790
A_51_P421876	1.82E-05	6.76	**Irf7**	interferon regulatory factor 7
A_30_P01025923	9.95E-07	6.76		
A_51_P263965	2.59E-05	6.75	**Hmox1**	heme oxygenase (decycling) 1
A_55_P1952256	0.000576	6.74	**Ccnb1**	cyclin B1
A_55_P1961395	0.000226	6.73	**Pdpn**	podoplanin
A_55_P1970274	7.84E-06	6.73	**Zscan10**	zinc finger and SCAN domain containing 10
A_30_P01028150	5.39E-05	6.73		
A_55_P2175180	0.00377	6.73	**Gm2379**	predicted gene 2379
A_51_P143893	2.62E-05	6.72	**Steap4**	STEAP family member 4
A_55_P2002963	6.44E-05	6.72	**Coro1a**	coronin, actin binding protein 1A
A_55_P2152364	2.14E-06	6.72		
A_55_P2084308	5.44E-07	6.71	**Nid1**	nidogen 1
A_55_P1983448	0.000152	6.71	**S100a4**	S100 calcium binding protein A4
A_55_P2080016	3.57E-05	6.71	**Gm10649**	predicted gene 10649
A_30_P01018827	1.45E-05	6.71		
A_55_P2319468	1.83E-06	6.70	**9430076C15Rik**	RIKEN cDNA 9430076C15 gene
A_55_P2186648	1.22E-05	6.70	**Bard1**	BRCA1 associated RING domain 1
A_30_P01023338	0.0001	6.70		
A_52_P61697	0.001195	6.70	**9930111J21Rik2**	RIKEN cDNA 9930111J21 gene 2
A_51_P351015	0.001013	6.69	**Lta**	lymphotoxin A
A_55_P1954034	0.000885	6.69	**Jakmip1**	janus kinase and microtubule interacting protein 1
A_30_P01017912	9.64E-07	6.69		
A_66_P126313	0.000153	6.68	**Rhof**	ras homolog gene family, member f
A_30_P01023832	8.58E-05	6.68		
A_51_P511015	0.000431	6.68	**Fzd9**	frizzled homolog 9 (Drosophila)
A_55_P2178818	1.30E-05	6.68	**Itk**	IL2-inducible T-cell kinase
A_55_P2188862	9.73E-06	6.68	**C030034E14Rik**	RIKEN cDNA C030034E14 gene
A_55_P2077313	4.18E-07	6.67	**Ddr1**	discoidin domain receptor family, member 1
A_55_P2088033	0.001371	6.67	**Gm6904**	predicted gene 6904
A_52_P16873	7.41E-05	6.67	**Rasal3**	RAS protein activator like 3
A_55_P2168321	3.88E-08	6.66		
A_55_P2007601	0.003219	6.66	**Sftpd**	surfactant associated protein D
A_55_P2042486	0.00034	6.66	**Dpysl3**	dihydropyrimidinase-like 3
A_30_P01021300	6.38E-08	6.66		
A_55_P1952900	6.68E-06	6.66	**Gm833**	predicted gene 833
A_30_P01018299	9.63E-08	6.65		
A_55_P1994290	0.000107	6.65		
A_52_P514061	6.53E-05	6.65	**Padi4**	peptidyl arginine deiminase, type IV
A_55_P2148370	1.31E-05	6.65		
A_55_P2212733	6.86E-05	6.64	**C80012**	expressed sequence C80012
A_55_P2113498	9.32E-06	6.64	**Klrd1**	killer cell lectin-like receptor, subfamily D, member 1
A_51_P114616	2.25E-05	6.64	**Batf**	basic leucine zipper transcription factor, ATF-like
A_52_P638459	0.00013	6.64	**Ccl5**	chemokine (C-C motif) ligand 5
A_51_P111532	2.52E-05	6.62	**Ubash3a**	ubiquitin associated and SH3 domain containing, A
A_55_P2040485	0.000101	6.62	**Ms4a4a**	membrane-spanning 4-domains, subfamily A, member 4A
A_51_P281089	3.58E-05	6.62	**S100a6**	S100 calcium binding protein A6 (calcyclin)
A_51_P389636	0.000129	6.61	**Kcnn4**	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
A_52_P496924	0.000118	6.61	**Mgat4a**	mannoside acetylglucosaminyltransferase 4, isoenzyme A
A_51_P424722	1.43E-05	6.60	**Wdr54**	WD repeat domain 54
A_30_P01021597	3.90E-05	6.60		
A_30_P01021222	1.04E-07	6.59		
A_55_P1994309	5.66E-07	6.59	**Ptgir**	prostaglandin I receptor (IP)
A_51_P363947	1.49E-08	6.58	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_51_P126067	0.001134	6.58	**Cd2**	CD2 antigen
A_55_P2015122	4.04E-05	6.57		
A_51_P120589	0.000647	6.57	**Olfr181**	olfactory receptor 181
A_52_P117408	0.000235	6.57	**Tg**	thyroglobulin
A_30_P01024078	5.59E-06	6.56		
A_52_P117393	5.52E-05	6.55	**Tlr6**	toll-like receptor 6
A_55_P1972322	0.000433	6.55	**Btg3**	B-cell translocation gene 3
A_51_P521052	0.000986	6.54	**Ly6k**	lymphocyte antigen 6 complex, locus K
A_51_P363947	1.27E-08	6.54	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_52_P308875	0.000213	6.53		
A_55_P2011026	0.000143	6.52	**Zfp296**	zinc finger protein 296
A_51_P447866	0.000227	6.52	**Sash3**	SAM and SH3 domain containing 3
A_52_P594756	4.36E-05	6.52	**Asb4**	ankyrin repeat and SOCS box-containing 4
A_51_P473498	2.16E-05	6.52	**Gpr171**	G protein-coupled receptor 171
A_65_P13459	0.0007	6.50	**Cd300lb**	CD300 antigen like family member B
A_55_P1970536	4.50E-08	6.50		
A_51_P372550	5.89E-05	6.50	**Cgref1**	cell growth regulator with EF hand domain 1
A_55_P1989663	2.29E-05	6.50	**Slco3a1**	solute carrier organic anion transporter family, member 3a1
A_55_P2064333	0.004162	6.49	**Lama3**	laminin, alpha 3
A_55_P1971074	7.92E-06	6.49	**Atp11a**	ATPase, class VI, type 11A
A_52_P353905	0.002066	6.48	**Fam83a**	family with sequence similarity 83, member A
A_55_P2029558	0.00104	6.48	**Adrb2**	adrenergic receptor, beta 2

A_55_P2058928	0.000196	6.48	**Ralgds**	ral guanine nucleotide dissociation stimulator
A_30_P01021884	5.19E-05	6.48		
A_30_P01021252	8.65E-10	6.48		
A_55_P1988083	3.23E-06	6.47	**Prc1**	protein regulator of cytokinesis 1
A_51_P454217	2.25E-06	6.47	**Nfkb2**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100
A_55_P2062469	0.000465	6.47	**Col12a1**	collagen, type XII, alpha 1
A_51_P150120	3.81E-05	6.47	**Mgst2**	microsomal glutathione S-transferase 2
A_55_P2164694	3.59E-06	6.46		
A_55_P2070546	2.43E-05	6.45	**1700037C18Rik**	RIKEN cDNA 1700037C18 gene
A_51_P487999	0.00021	6.45	**Sgol1**	shugoshin-like 1 (S. pombe)
A_51_P345367	4.72E-06	6.45	**Psmb8**	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)
A_55_P2006250	2.66E-07	6.45	**Myo5a**	myosin VA
A_51_P491987	5.50E-05	6.45	**Ripk3**	receptor-interacting serine-threonine kinase 3
A_66_P113262	3.19E-06	6.45	**Galnt14**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14
A_55_P1970454	2.09E-06	6.45		
A_55_P2038757	1.33E-07	6.44	**Fblim1**	filamin binding LIM protein 1
A_30_P01018521	2.54E-05	6.44		
A_55_P2127179	7.43E-08	6.44		
A_30_P01018415	1.06E-05	6.44		
A_30_P01023224	1.41E-07	6.44		
A_30_P01017679	1.32E-08	6.42		
A_51_P363947	1.89E-08	6.42	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P2076057	1.22E-08	6.42	**Hmga1**	high mobility group AT-hook 1
A_55_P2072906	1.72E-10	6.41	**Gm6788**	predicted gene 6788
A_55_P2007495	8.31E-06	6.41		
A_30_P01018941	5.69E-05	6.41		
A_55_P2044684	1.56E-06	6.41	**Rsph1**	radial spoke head 1 homolog (Chlamydomonas)
A_51_P164014	1.73E-05	6.41	**Cenpe**	centromere protein E
A_30_P01026655	3.79E-05	6.40		
A_51_P146149	1.20E-05	6.39	**Napsa**	napsin A aspartic peptidase
A_55_P2139713	0.000935	6.39	**Phf13**	PHD finger protein 13
A_55_P2111163	9.79E-05	6.38	**S100g**	S100 calcium binding protein G
A_52_P150547	0.001878	6.38	**Cd8a**	CD8 antigen, alpha chain
A_55_P1979684	1.91E-06	6.38	**Rhoc**	ras homolog gene family, member C
A_51_P363947	6.28E-09	6.38	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P2072115	0.000204	6.38	**AW011738**	expressed sequence AW011738
A_66_P135986	4.83E-06	6.37		
A_51_P430766	0.002253	6.37	**Il10**	interleukin 10
A_52_P460929	1.20E-10	6.37	**BC048507**	cDNA sequence BC048507
A_51_P444954	0.004926	6.37	**Serpina5**	serine (or cysteine) peptidase inhibitor, clade A, member 5
A_55_P2050439	0.00105	6.37	**Dlgap5**	discs, large (Drosophila) homolog-associated protein 5
A_51_P363947	5.20E-09	6.37	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P2064984	0.00027	6.37	**Cenpi**	centromere protein I
A_51_P363947	1.18E-08	6.37	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_51_P363947	4.91E-09	6.36	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_51_P354165	5.71E-08	6.35	**Apcs**	serum amyloid P-component
A_52_P239086	0.000696	6.34	**Apol10a**	apolipoprotein L 10a
A_55_P2006722	0.001465	6.34	**Cxcl17**	chemokine (C-X-C motif) ligand 17
A_55_P2032081	5.19E-05	6.34	**Dbp**	D site albumin promoter binding protein
A_30_P01027543	6.65E-05	6.33		
A_55_P2182437	1.19E-06	6.33		
A_30_P01032120	4.97E-05	6.32		
A_52_P46085	7.14E-07	6.32	**Mvp**	major vault protein
A_30_P01025047	0.000332	6.32		
A_30_P01020152	5.03E-05	6.32		
A_51_P363947	2.67E-08	6.31	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_66_P114335	1.70E-06	6.31	**Olfr1168**	olfactory receptor 1168
A_55_P2422164	0.000555	6.30	**C130093G08Rik**	RIKEN cDNA C130093G08 gene
A_51_P451151	6.97E-05	6.29	**Ube2c**	ubiquitin-conjugating enzyme E2C
A_30_P01017894	7.70E-05	6.29		
A_51_P122246	8.11E-08	6.29	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2129469	1.02E-06	6.29		
A_55_P2072771	0.000201	6.28	**Cd3g**	CD3 antigen, gamma polypeptide
A_66_P128525	3.06E-05	6.28	**Slfn5**	schlafen 5
A_55_P1958140	1.10E-05	6.27	**B9d1**	B9 protein domain 1
A_55_P2029746	1.38E-07	6.27		
A_52_P658437	9.75E-05	6.27	**Espl1**	extra spindle poles-like 1 (S. cerevisiae)
A_30_P01023738	0.00075	6.26		
A_51_P369803	9.35E-06	6.26	**Psmb9**	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)
A_55_P2062108	1.79E-06	6.25	**Apold1**	apolipoprotein L domain containing 1
A_51_P421140	7.60E-08	6.24	**Tubb6**	tubulin, beta 6
A_51_P363947	3.16E-08	6.24	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_52_P533146	4.83E-07	6.24	**Ddit3**	DNA-damage inducible transcript 3
A_51_P212782	0.000789	6.24	**Il1b**	interleukin 1 beta
A_51_P122246	4.05E-07	6.23	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2147712	0.001342	6.23	**Ctla4**	cytotoxic T-lymphocyte-associated protein 4
A_51_P114616	2.07E-05	6.22	**Batf**	basic leucine zipper transcription factor, ATF-like
A_30_P01023358	1.65E-06	6.22		
A_55_P2124871	4.42E-07	6.22	**Npw**	neuropeptide W
A_55_P1961943	0.000324	6.21		
A_55_P2115713	1.44E-06	6.21	**Nid1**	nidogen 1
A_55_P2142858	1.75E-05	6.21		
A_52_P223809	0.000131	6.20	**Dhx58**	DEXH (Asp-Glu-X-His) box polypeptide 58
A_51_P126437	7.28E-07	6.20	**Enc1**	ectodermal-neural cortex 1
A_55_P2023607	8.79E-06	6.20		
A_55_P2029420	3.30E-05	6.20	**2610318N02Rik**	RIKEN cDNA 2610318N02 gene
A_55_P1999389	0.000172	6.20	**1500009C09Rik**	RIKEN cDNA 1500009C09 gene
A_55_P2156638	4.34E-05	6.18	**Gpr114**	G protein-coupled receptor 114
A_51_P114616	9.10E-06	6.18	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P126437	4.68E-07	6.18	**Enc1**	ectodermal-neural cortex 1
A_55_P2113256	0.000115	6.18	**Parp11**	poly (ADP-ribose) polymerase family, member 11
A_55_P2054437	5.17E-05	6.18	**Ttpal**	tocopherol (alpha) transfer protein-like
A_55_P2118784	2.74E-06	6.17	**Rcor2**	REST corepressor 2
A_51_P114616	4.29E-05	6.17	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P194249	5.63E-05	6.17	**Stmn4**	stathmin-like 4

A_51_P122246	5.33E-08	6.17	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2120155	0.0001	6.17	**Ccdc88b**	coiled-coil domain containing 88B
A_55_P2119035	1.65E-05	6.17		
A_55_P2070492	1.04E-05	6.17	**Vmn2r59**	vomeronasal 2, receptor 59
A_52_P104961	2.59E-08	6.16		
A_55_P2044433	3.08E-09	6.16	**LOC100504017**	hypothetical LOC100504017
A_66_P116077	0.000846	6.16	**2410088K16Rik**	RIKEN cDNA 2410088K16 gene
A_55_P2091831	1.73E-07	6.16	**Krtap1-4**	keratin associated protein 1-4
A_30_P01019827	3.42E-06	6.16		
A_66_P108451	0.004022	6.16		
A_55_P2011051	7.17E-08	6.15	**Pa2g4**	proliferation-associated 2G4
A_55_P2035757	0.000208	6.15	**Gm8884**	predicted gene 8884
A_55_P2170349	5.18E-07	6.14	**Klra22**	killer cell lectin-like receptor subfamily A, member 22
A_66_P130560	4.96E-06	6.14		
A_66_P138212	0.000354	6.13	**Dock2**	dedicator of cyto-kinesis 2
A_55_P1984362	0.003892	6.13		
A_55_P2092153	0.000109	6.13		
A_51_P303424	0.000349	6.12	**Itgax**	integrin alpha X
A_55_P2090194	5.86E-06	6.12	**Plp2**	proteolipid protein 2
A_55_P2068607	7.15E-06	6.12	**Rnf19b**	ring finger protein 19B
A_55_P1981994	3.85E-05	6.11	**Krt17**	keratin 17
A_51_P126437	1.82E-06	6.10	**Enc1**	ectodermal-neural cortex 1
A_55_P2050526	8.77E-06	6.10		
A_51_P146044	1.07E-05	6.09	**Ccdc92**	coiled-coil domain containing 92
A_55_P2019719	0.000377	6.09	**Oas2**	2'-5' oligoadenylate synthetase 2
A_55_P2105152	0.00015	6.09	**Trim59**	tripartite motif-containing 59
A_30_P01030211	0.001423	6.09		
A_51_P126437	2.04E-07	6.09	**Enc1**	ectodermal-neural cortex 1
A_55_P2051566	0.000187	6.08		
A_30_P01031408	0.006566	6.07		
A_30_P01033179	8.61E-09	6.06		
A_51_P141546	2.75E-09	6.06	**Orm2**	orosomucoid 2
A_55_P2087900	5.05E-07	6.06		
A_51_P122246	3.45E-07	6.06	**Creld2**	cysteine-rich with EGF-like domains 2
A_30_P01022299	0.00096	6.06		
A_51_P294643	5.33E-05	6.05	**Cdr2**	cerebellar degeneration-related 2
A_51_P122246	3.28E-07	6.05	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2033725	1.85E-06	6.04	**Ascl2**	achaete-scute complex homolog 2 (Drosophila)
A_55_P2019699	3.00E-05	6.04	**Samhd1**	SAM domain and HD domain, 1
A_51_P425847	9.13E-05	6.04	**Ulbp1**	UL16 binding protein 1
A_55_P1966731	5.45E-05	6.04	**Ifi203**	interferon activated gene 203
A_55_P2103811	3.63E-07	6.04		
A_55_P2101191	0.000171	6.04	**Arrdc4**	arrestin domain containing 4
A_30_P01025137	2.14E-05	6.03		
A_55_P1979498	0.00014	6.02		
A_30_P01024464	8.88E-06	6.02		
A_30_P01028177	3.79E-05	6.02		
A_51_P161315	8.54E-06	6.02	**4930448F12Rik**	RIKEN cDNA 4930448F12 gene
A_51_P150302	0.000577	6.01	**Crtam**	cytotoxic and regulatory T cell molecule
A_30_P01029964	2.95E-06	6.01		
A_55_P1962503	0.000569	6.00	**Nup62cl**	nucleoporin 62 C-terminal like
A_66_P100853	1.31E-05	6.00		
A_51_P126437	4.27E-07	5.99	**Enc1**	ectodermal-neural cortex 1
A_55_P2085776	1.46E-07	5.99	**Ifi27l2b**	interferon, alpha-inducible protein 27 like 2B
A_55_P2014249	1.48E-05	5.98	**Sema3a**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
A_55_P2005525	3.48E-07	5.97	**Krtap12-1**	keratin associated protein 12-1
A_51_P122246	6.66E-07	5.97	**Creld2**	cysteine-rich with EGF-like domains 2
A_51_P114616	1.49E-05	5.97	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P240801	9.74E-06	5.96	**Tmem173**	transmembrane protein 173
A_55_P2066697	8.61E-06	5.96	**Trim47**	tripartite motif-containing 47
A_51_P377179	1.97E-05	5.96	**1700018A14Rik**	RIKEN cDNA 1700018A14 gene
A_55_P1977929	1.82E-05	5.96	**Itgam**	integrin alpha M
A_51_P114616	1.30E-05	5.96	**Batf**	basic leucine zipper transcription factor, ATF-like
A_51_P126437	7.40E-07	5.96	**Enc1**	ectodermal-neural cortex 1
A_55_P2082688	8.65E-07	5.96	**Ak1**	adenylate kinase 1
A_66_P133148	0.000473	5.96	**Aoah**	acyloxyacyl hydrolase
A_51_P230624	2.01E-07	5.95	**2010109K11Rik**	RIKEN cDNA 2010109K11 gene
A_51_P495730	3.60E-07	5.95	**1700049L16Rik**	hematological and neurological expressed 1-like pseudogene
A_51_P122246	1.45E-07	5.95	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2088720	6.01E-07	5.94		
A_55_P2022631	1.76E-07	5.94	**Oxct2b**	3-oxoacid CoA transferase 2B
A_51_P122246	4.88E-07	5.94	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2004016	1.49E-05	5.94	**Crispld2**	cysteine-rich secretory protein LCCL domain containing 2
A_51_P234956	0.000549	5.94	**Xcl1**	chemokine (C motif) ligand 1
A_51_P297925	1.18E-05	5.93	**Zc3h12a**	zinc finger CCCH type containing 12A
A_55_P1975560	3.61E-05	5.93	**Ifi204**	interferon activated gene 204
A_30_P01032739	3.89E-05	5.92		
A_51_P122246	3.67E-07	5.92	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P2144526	9.62E-07	5.91	**Fam65b**	family with sequence similarity 65, member B
A_51_P126437	6.56E-07	5.91	**Enc1**	ectodermal-neural cortex 1
A_55_P1965363	3.78E-06	5.91	**Serpinb6e**	serine (or cysteine) peptidase inhibitor, clade B, member 6e
A_30_P01032405	4.97E-05	5.90		
A_55_P1998631	2.08E-05	5.90	**Capg**	capping protein (actin filament), gelsolin-like
A_52_P511821	0.003222	5.90	**Wdfy1**	WD repeat and FYVE domain containing 1
A_51_P122246	2.52E-07	5.89	**Creld2**	cysteine-rich with EGF-like domains 2
A_55_P1960916	8.14E-06	5.89	**Egln3**	EGL nine homolog 3 (C. elegans)
A_55_P1974178	1.38E-05	5.89	**Pyhin1**	pyrin and HIN domain family, member 1
A_55_P1954608	1.85E-05	5.89	**Lekr1**	leucine, glutamate and lysine rich 1
A_51_P404110	0.000415	5.88	**Fmnl1**	formin-like 1
A_30_P01019491	1.25E-05	5.88		
A_30_P01021838	5.69E-05	5.88		
A_51_P114616	2.53E-05	5.88	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2140212	9.59E-07	5.87		
A_30_P01026755	0.000396	5.87		
A_55_P2053988	7.09E-05	5.87	**Epas1**	endothelial PAS domain protein 1

A_51_P126437	6.98E-07	5.86	**Enc1**	ectodermal-neural cortex 1
A_51_P126437	3.01E-07	5.85	**Enc1**	ectodermal-neural cortex 1
A_55_P2049261	7.41E-05	5.85		
A_55_P2081432	2.51E-06	5.85		
A_30_P01019496	6.31E-06	5.85		
A_52_P499028	2.42E-05	5.85	**9130008F23Rik**	RIKEN cDNA 9130008F23 gene
A_52_P332788	0.000232	5.84	**C130026I21Rik**	RIKEN cDNA C130026I21 gene
A_52_P601688	5.08E-05	5.84	**Abcc1**	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
A_30_P01019557	6.82E-08	5.84		
A_30_P01025491	1.85E-06	5.84		
A_30_P01018884	0.006117	5.82		
A_51_P114616	9.19E-06	5.82	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2089233	0.004591	5.82	**Pou2af1**	POU domain, class 2, associating factor 1
A_30_P01022496	2.25E-06	5.81		
A_30_P01021136	5.55E-07	5.81		
A_30_P01018824	3.97E-05	5.80		
A_55_P2091561	4.83E-05	5.80	**Olfr139**	olfactory receptor 139
A_66_P103232	8.07E-07	5.80		
A_55_P1982733	6.49E-05	5.80	**Dnajc5**	DnaJ (Hsp40) homolog, subfamily C, member 5
A_30_P01018930	0.000204	5.80		
A_51_P351015	0.000522	5.80	**Lta**	lymphotoxin A
A_52_P527800	0.000355	5.80	**Emilin2**	elastin microfibril interfacer 2
A_55_P2103206	0.000131	5.79		
A_55_P2131433	3.81E-08	5.79		
A_30_P01024094	3.52E-05	5.78		
A_52_P672689	3.94E-06	5.78	**Btc**	betacellulin, epidermal growth factor family member
A_55_P2166049	0.00024	5.77	**Vmn1r65**	vomeronasal 1 receptor 65
A_51_P330213	4.40E-05	5.77	**Asf1b**	ASF1 anti-silencing function 1 homolog B (S. cerevisiae)
A_30_P01018981	9.21E-06	5.77		
A_55_P2177911	1.81E-07	5.76	**Lepr**	leptin receptor
A_52_P29953	0.000403	5.76	**6530418L21Rik**	RIKEN cDNA 6530418L21 gene
A_55_P2086433	0.000597	5.75	**Oasl1**	2'-5' oligoadenylate synthetase-like 1
A_55_P2105843	1.03E-06	5.75		
A_55_P2034784	4.75E-06	5.75	**9430008C03Rik**	RIKEN cDNA 9430008C03 gene
A_55_P2152566	3.13E-06	5.74	**Sp110**	Sp110 nuclear body protein
A_30_P01022079	0.000211	5.74		
A_55_P1955015	4.15E-05	5.74	**Myo1g**	myosin IG
A_30_P01023930	0.000286	5.74		
A_30_P01018854	4.66E-06	5.74		
A_51_P346938	1.02E-07	5.74	**Lrg1**	leucine-rich alpha-2-glycoprotein 1
A_55_P2025937	1.63E-05	5.73		
A_51_P155142	4.80E-06	5.73	**Cdca8**	cell division cycle associated 8
A_30_P01018494	6.12E-05	5.73		
A_30_P01028791	4.56E-05	5.72		
A_55_P1956160	1.75E-08	5.72	**Gm8909**	predicted gene 8909
A_55_P1955308	1.12E-05	5.72	**Sirpb1a**	signal-regulatory protein beta 1A
A_30_P01027265	0.000348	5.72		
A_52_P411376	9.30E-05	5.71	**Sptlc3**	serine palmitoyltransferase, long chain base subunit 3
A_30_P01032495	0.00019	5.71		
A_51_P483324	0.000367	5.71	**Ptpn22**	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
A_30_P01031526	6.34E-05	5.70		
A_30_P01032220	3.14E-07	5.69		
A_51_P215887	1.41E-05	5.69	**Aldh18a1**	aldehyde dehydrogenase 18 family, member A1
A_55_P1979833	0.000225	5.69	**Cited1**	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1
A_51_P270904	0.00153	5.68	**9930023K05Rik**	RIKEN cDNA 9930023K05 gene
A_55_P2041728	0.001992	5.68	**Gm590**	predicted gene 590
A_52_P120612	0.000379	5.68	**Grap2**	GRB2-related adaptor protein 2
A_51_P198775	1.56E-07	5.67	**BC055324**	cDNA sequence BC055324
A_30_P01023379	6.24E-05	5.67		
A_55_P2026233	1.36E-06	5.67	**Uba7**	ubiquitin-like modifier activating enzyme 7
A_51_P100298	3.04E-05	5.67	**Stx3**	syntaxin 3
A_51_P416546	1.36E-05	5.66	**Ctsg**	cathepsin G
A_51_P161037	3.73E-05	5.66	**Cep170**	centrosomal protein 170
A_55_P2135621	0.000199	5.66	**2410017P09Rik**	RIKEN cDNA 2410017P09 gene
A_55_P2069083	3.96E-06	5.66	**Galnt12**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12
A_30_P01024007	1.07E-09	5.66		
A_30_P01030879	0.000211	5.65		
A_30_P01030955	8.87E-07	5.65		
A_51_P392687	1.56E-05	5.65	**Vim**	vimentin
A_55_P1988246	7.53E-05	5.65		
A_55_P2069999	5.27E-06	5.65	**1700023A16Rik**	RIKEN cDNA 1700023A16 gene
A_55_P2038983	0.000191	5.64		
A_51_P320022	3.81E-07	5.64	**Atp10a**	ATPase, class V, type 10A
A_55_P2085165	4.94E-06	5.64		
A_55_P1972436	6.98E-05	5.63	**Themis**	thymocyte selection associated
A_55_P2166148	7.38E-09	5.63	**H2-M9**	histocompatibility 2, M region locus 9
A_51_P233160	1.73E-06	5.63	**Lysmd2**	LysM, putative peptidoglycan-binding, domain containing 2
A_51_P110672	2.21E-06	5.63	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2041976	1.21E-05	5.63	**Akap4**	A kinase (PRKA) anchor protein 4
A_55_P1964628	2.49E-06	5.63		
A_55_P2114318	7.68E-06	5.63		
A_55_P2149942	1.20E-07	5.63	**Ninj2**	ninjurin 2
A_55_P2142934	8.49E-05	5.63		
A_52_P1026777	9.45E-05	5.62	**Ecscr**	endothelial cell-specific chemotaxis regulator
A_55_P2444515	1.49E-06	5.62	**Akap2**	A kinase (PRKA) anchor protein 2
A_51_P340829	0.002834	5.62	**AA986860**	expressed sequence AA986860
A_51_P110672	7.51E-07	5.61	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P1981479	7.90E-06	5.61	**Irgm1**	immunity-related GTPase family M member 1
A_52_P290799	0.000171	5.61	**Gpr35**	G protein-coupled receptor 35
A_66_P102090	3.38E-06	5.60	**Pkmyt1**	protein kinase, membrane associated tyrosine/threonine 1
A_55_P2025038	1.10E-05	5.60	**Cpe**	carboxypeptidase E
A_55_P2035519	0.000218	5.59	**Kif9**	kinesin family member 9
A_55_P2124582	0.000376	5.59	**Xlr4a**	X-linked lymphocyte-regulated 4A
A_51_P114616	4.70E-05	5.58	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2081615	1.08E-05	5.58	**Timeless**	timeless homolog (Drosophila)

A_51_P351970	3.20E-05	5.58	**Hells**	helicase, lymphoid specific
A_52_P299771	0.000367	5.58	**Bcl2a1c**	B-cell leukemia/lymphoma 2 related protein A1c
A_66_P104422	1.46E-07	5.58	**Ckap4**	cytoskeleton-associated protein 4
A_30_P01022549	0.000113	5.56		
A_55_P2071846	1.61E-05	5.56		
A_30_P01023844	1.75E-07	5.56		
A_30_P01026496	3.84E-08	5.56		
A_51_P495780	0.002419	5.55	**Plin4**	perilipin 4
A_55_P2075200	4.98E-05	5.55	**Tor3a**	torsin family 3, member A
A_55_P2070105	3.36E-05	5.55	**Gm3908**	predicted gene 3908
A_55_P2035524	1.84E-05	5.54	**Kif9**	kinesin family member 9
A_51_P337675	0.000168	5.54	**Cd53**	CD53 antigen
A_52_P473966	8.90E-06	5.54	**Kdelr3**	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3
A_55_P1959521	9.70E-06	5.54	**Etv4**	ets variant gene 4 (E1A enhancer binding protein, E1AF)
A_51_P246317	1.01E-07	5.54	**Mt2**	metallothionein 2
A_51_P229676	1.21E-06	5.54	**Plscr1**	phospholipid scramblase 1
A_30_P01019611	8.54E-06	5.54		
A_55_P1973941	3.94E-06	5.53	**Slc7a5**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5
A_30_P01033318	1.01E-05	5.53		
A_55_P2104026	5.71E-05	5.53		
A_55_P2154027	2.80E-06	5.53	**Ptgis**	prostaglandin I2 (prostacyclin) synthase
A_55_P2016034	1.00E-05	5.53	**Nlrc5**	NLR family, CARD domain containing 5
A_55_P2039230	9.75E-05	5.53	**Pydc4**	pyrin domain containing 4
A_30_P01024372	3.48E-06	5.53		
A_51_P136803	0.000143	5.52	**Kif9**	kinesin family member 9
A_51_P131358	2.44E-05	5.51	**Selplg**	selectin, platelet (p-selectin) ligand
A_52_P526379	0.000204	5.51	**Stx3**	syntaxin 3
A_55_P2038559	0.000152	5.51	**Gm9962**	predicted gene 9962
A_52_P282500	7.59E-06	5.51	**Kif21b**	kinesin family member 21B
A_55_P2186220	0.001634	5.51		
A_51_P507622	2.60E-06	5.51	**Itpkc**	inositol 1,4,5-trisphosphate 3-kinase C
A_55_P1967978	2.59E-05	5.50	**Nfatc2**	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
A_55_P2050268	3.48E-05	5.50	**Nfkbid**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta
A_55_P2136880	4.98E-06	5.50	**Ppp1r15a**	protein phosphatase 1, regulatory (inhibitor) subunit 15A
A_65_P20683	1.82E-05	5.50		
A_51_P271503	2.04E-05	5.50	**Il1r1**	interleukin 1 receptor, type I
A_52_P570240	6.31E-05	5.49	**Kbtbd11**	kelch repeat and BTB (POZ) domain containing 11
A_51_P114616	3.92E-05	5.49	**Batf**	basic leucine zipper transcription factor, ATF-like
A_55_P2026223	3.97E-05	5.48	**St6galnac4**	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransfer
A_51_P242930	9.22E-06	5.48	**Lat2**	linker for activation of T cells family, member 2
A_55_P2364516	0.001307	5.48	**AA060545**	EST AA060545
A_55_P2108943	0.005095	5.48	**Ccr6**	chemokine (C-C motif) receptor 6
A_30_P01023438	8.88E-07	5.47		
A_52_P836852	2.70E-05	5.47	**Txk**	TXK tyrosine kinase
A_55_P2063146	8.15E-05	5.47		
A_55_P1996946	0.000203	5.46	**Cdc20**	cell division cycle 20 homolog (S. cerevisiae)
A_51_P110672	1.01E-07	5.45	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2158314	3.53E-06	5.45		
A_51_P110672	6.00E-07	5.45	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2105963	0.000168	5.45	**P2ry10**	purinergic receptor P2Y, G-protein coupled 10
A_55_P2076555	1.95E-05	5.44	**Hsd17b13**	hydroxysteroid (17-beta) dehydrogenase 13
A_51_P377171	6.86E-05	5.44	**5830405N20Rik**	RIKEN cDNA 5830405N20 gene
A_51_P126437	3.47E-07	5.44	**Enc1**	ectodermal-neural cortex 1
A_30_P01020922	2.03E-06	5.44		
A_30_P01019382	1.66E-05	5.43		
A_51_P357341	4.25E-07	5.43	**Clic1**	chloride intracellular channel 1
A_55_P2024391	5.51E-05	5.43		
A_52_P267391	7.22E-06	5.43	**Trim12a**	tripartite motif-containing 12A
A_55_P2094524	0.0012	5.43	**Gm14005**	predicted gene 14005
A_55_P2109717	1.80E-05	5.42	**Kif20b**	kinesin family member 20B
A_55_P2182867	4.19E-06	5.41	**Sgcb**	sarcoglycan, beta (dystrophin-associated glycoprotein)
A_51_P115005	0.000158	5.41	**Edn1**	endothelin 1
A_55_P2071716	3.48E-06	5.41	**Klre1**	killer cell lectin-like receptor family E member 1
A_51_P133612	1.90E-06	5.40	**Cdt1**	chromatin licensing and DNA replication factor 1
A_30_P01027928	1.28E-06	5.40		
A_51_P360492	3.73E-06	5.39	**Mcm6**	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)
A_51_P390538	2.29E-06	5.39	**Mpeg1**	macrophage expressed gene 1
A_30_P01023623	4.68E-06	5.39		
A_55_P2036022	8.26E-06	5.38		
A_30_P01029545	1.08E-05	5.38		
A_30_P01023809	0.000191	5.37		
A_55_P2121096	1.10E-09	5.37	**Fbn2**	fibrillin 2
A_51_P212782	0.001589	5.37	**Il1b**	interleukin 1 beta
A_51_P351015	0.000787	5.37	**Lta**	lymphotoxin A
A_55_P1989653	3.11E-05	5.37	**Slco4a1**	solute carrier organic anion transporter family, member 4a1
A_55_P2042331	9.09E-05	5.36		
A_30_P01028951	0.000445	5.36		
A_30_P01028188	0.004478	5.35		
A_51_P156857	3.25E-07	5.35	**2010002N04Rik**	RIKEN cDNA 2010002N04 gene
A_51_P245989	0.000508	5.35	**Ccr2**	chemokine (C-C motif) receptor 2
A_55_P2158011	2.68E-05	5.35	**D2Ertd750e**	DNA segment, Chr 2, ERATO Doi 750, expressed
A_55_P2064652	3.41E-05	5.34	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_55_P2064412	3.54E-08	5.34		
A_55_P1962771	2.56E-05	5.34	**Cyfip2**	cytoplasmic FMR1 interacting protein 2
A_51_P301809	5.79E-05	5.34	**Slit3**	slit homolog 3 (Drosophila)
A_51_P490509	0.000228	5.34	**Bub1b**	budding uninhibited by benzimidazoles 1 homolog, beta (S. cerevisiae)
A_55_P2021455	3.51E-06	5.33		
A_51_P212782	0.001564	5.33	**Il1b**	interleukin 1 beta
A_30_P01026839	3.09E-06	5.33		
A_55_P2129972	1.32E-06	5.33		
A_30_P01024238	1.88E-06	5.32		
A_55_P2072872	0.001389	5.32		
A_55_P1957413	6.37E-05	5.31	**Lsp1**	lymphocyte specific 1
A_55_P2103075	0.000109	5.31		
A_55_P2182467	0.000529	5.31	**Slamf6**	SLAM family member 6

A_30_P01023811	0.001433	5.30		
A_55_P1985143	4.65E-05	5.30		
A_55_P1958840	0.000121	5.30		
A_55_P2084303	9.10E-07	5.30	**Nid1**	nidogen 1
A_55_P1994939	9.41E-05	5.30	**Hmgb2**	high mobility group box 2
A_55_P2337074	9.95E-06	5.29	**Mid1**	midline 1
A_55_P2153404	0.000647	5.29	**Crybb2**	crystallin, beta B2
A_55_P2028259	2.45E-06	5.29	**Rhbdf2**	rhomboid 5 homolog 2 (Drosophila)
A_30_P01023900	3.93E-06	5.29		
A_55_P1981110	0.000287	5.28	**Lman1l**	lectin, mannose-binding 1 like
A_55_P2020050	7.74E-05	5.28	**Gm8120**	predicted gene 8120
A_55_P2083654	7.80E-07	5.28	**Prmt2**	protein arginine N-methyltransferase 2
A_55_P2078735	2.54E-07	5.28	**AI662270**	expressed sequence AI662270
A_51_P430766	0.000188	5.28	**Il10**	interleukin 10
A_30_P01022806	2.95E-05	5.27		
A_55_P2023294	0.000792	5.26	**Il20rb**	interleukin 20 receptor beta
A_55_P1999203	2.30E-07	5.26	**Vmn1r217**	vomeronasal 1 receptor 217
A_30_P01024163	3.40E-05	5.25		
A_52_P263518	3.86E-05	5.25	**Gng2**	guanine nucleotide binding protein (G protein), gamma 2
A_55_P2158156	3.96E-07	5.25		
A_30_P01017895	3.03E-05	5.25		
A_52_P387009	9.65E-06	5.25	**Egln3**	EGL nine homolog 3 (C. elegans)
A_51_P151126	7.13E-06	5.25	**Cd52**	CD52 antigen
A_30_P01020292	0.000127	5.24		
A_51_P212782	0.001502	5.24	**Il1b**	interleukin 1 beta
A_55_P2071466	0.000196	5.23	**Ncf1**	neutrophil cytosolic factor 1
A_52_P138926	0.000779	5.23	**Slc32a1**	solute carrier family 32 (GABA vesicular transporter), member 1
A_55_P2237915	0.000107	5.23	**Tsc22d2**	TSC22 domain family, member 2
A_30_P01029700	0.001052	5.22		
A_55_P1973062	0.00013	5.22		
A_55_P2017645	1.64E-06	5.22	**Tap2**	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
A_55_P2006277	9.35E-09	5.22	**Ogdh**	oxoglutarate dehydrogenase (lipoamide)
A_55_P2009861	2.56E-06	5.22		
A_51_P212782	0.001397	5.22	**Il1b**	interleukin 1 beta
A_55_P2113703	0.003728	5.22	**Spib**	Spi-B transcription factor (Spi-1/PU.1 related)
A_55_P1980636	2.91E-06	5.21	**Aurka**	aurora kinase A
A_55_P2060333	1.51E-07	5.20	**S100a5**	S100 calcium binding protein A5
A_55_P1955305	1.40E-05	5.20	**Sirpb1a**	signal-regulatory protein beta 1A
A_55_P2176145	0.000314	5.20	**Rgs17**	regulator of G-protein signaling 17
A_55_P2106058	0.001102	5.20	**Gm11110**	predicted gene 11110
A_51_P110672	8.88E-06	5.19	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2173210	5.94E-05	5.19		
A_55_P2074165	9.38E-06	5.19		
A_55_P2027737	0.000288	5.19	**Il1rl1**	interleukin 1 receptor-like 1
A_55_P2184796	1.01E-05	5.19	**Pcdhb18**	protocadherin beta 18
A_30_P01024815	0.002096	5.19		
A_55_P1980771	6.48E-07	5.19	**Olfr536**	olfactory receptor 536
A_51_P158210	9.52E-06	5.19	**Mcm2**	minichromosome maintenance deficient 2 mitotin (S. cerevisiae)
A_55_P2074801	5.20E-05	5.18	**Ptpn14**	protein tyrosine phosphatase, non-receptor type 14
A_51_P212782	0.00178	5.18	**Il1b**	interleukin 1 beta
A_55_P2145800	1.54E-06	5.18		
A_55_P2065529	1.28E-05	5.17	**Stk30**	serine/threonine kinase 30
A_30_P01026529	1.54E-06	5.17		
A_52_P584335	9.75E-06	5.16	**Folr1**	folate receptor 1 (adult)
A_30_P01019537	4.90E-05	5.16		
A_55_P1997509	0.000277	5.16	**Zbtb32**	zinc finger and BTB domain containing 32
A_51_P176365	0.001111	5.16	**Gimap5**	GTPase, IMAP family member 5
A_55_P2084601	0.000148	5.15		
A_66_P111689	7.33E-07	5.15	**Gm9372**	predicted gene 9372
A_51_P110672	2.58E-07	5.15	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2081105	4.95E-05	5.15	**AI607873**	expressed sequence AI607873
A_30_P01026947	3.19E-07	5.15		
A_51_P232281	1.46E-06	5.14	**Pla2g2d**	phospholipase A2, group IID
A_55_P2048937	4.75E-05	5.14	**Kif5c**	kinesin family member 5C
A_55_P2231747	4.92E-07	5.14	**AW742560**	expressed sequence AW742560
A_30_P01028807	2.90E-07	5.14		
A_55_P2025730	6.57E-05	5.14	**Hif3a**	hypoxia inducible factor 3, alpha subunit
A_30_P01023436	2.31E-06	5.14		
A_55_P2027230	5.08E-08	5.13		
A_55_P2000062	3.72E-05	5.13	**Irf1**	interferon regulatory factor 1
A_52_P257625	6.49E-05	5.13	**Esm1**	endothelial cell-specific molecule 1
A_30_P01033298	0.000277	5.13		
A_51_P520966	1.44E-05	5.13	**Icosl**	icos ligand
A_51_P287069	6.90E-06	5.13	**Serpinh1**	serine (or cysteine) peptidase inhibitor, clade H, member 1
A_55_P2034049	9.73E-12	5.13		
A_55_P1978674	0.000227	5.13		
A_52_P530291	1.71E-05	5.12	**Pim1**	proviral integration site 1
A_30_P01029709	4.49E-09	5.12		
A_52_P498193	0.003111	5.12	**Aldh1l2**	aldehyde dehydrogenase 1 family, member L2
A_55_P1960768	0.000292	5.12	**Kif9**	kinesin family member 9
A_55_P2187038	2.56E-05	5.12	**Tpm1**	tropomyosin 1, alpha
A_51_P225592	4.05E-06	5.12	**Tpm4**	tropomyosin 4
A_55_P2164144	2.89E-06	5.12	**Gm8556**	predicted gene 8556
A_55_P1981265	1.01E-05	5.12		
A_51_P219505	2.27E-06	5.11	**Slc41a2**	solute carrier family 41, member 2
A_51_P295237	1.51E-05	5.11	**Lrp11**	low density lipoprotein receptor-related protein 11
A_30_P01027809	0.000179	5.11		
A_55_P2084568	1.51E-07	5.10		
A_30_P01025471	3.20E-05	5.10		
A_51_P110672	6.53E-07	5.10	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_52_P302433	0.002387	5.10	**Plau**	plasminogen activator, urokinase
A_55_P2057040	0.001209	5.10	**Ppp1r16b**	protein phosphatase 1, regulatory (inhibitor) subunit 16B
A_30_P01021447	6.26E-05	5.10		
A_55_P1961165	7.09E-07	5.09		
A_51_P322972	0.000314	5.09	**Hkdc1**	hexokinase domain containing 1

A_55_P2006983	4.13E-07	5.09	**Plec**	plectin
A_55_P2149921	0.000675	5.09		
A_55_P2033347	0.000656	5.09	**Nkain2**	Na+/K+ transporting ATPase interacting 2
A_55_P2156274	1.99E-05	5.09	**Plekha2**	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2
A_51_P342567	1.23E-05	5.09	**Akap12**	A kinase (PRKA) anchor protein (gravin) 12
A_30_P01023350	3.92E-05	5.08		
A_66_P107483	0.000143	5.08	**Treml2**	triggering receptor expressed on myeloid cells-like 2
A_51_P514584	6.21E-07	5.07	**Tbata**	thymus, brain and testes associated
A_51_P262171	6.35E-06	5.07	**Irgm1**	immunity-related GTPase family M member 1
A_30_P01030976	1.40E-05	5.07		
A_55_P2177741	6.88E-05	5.07	**Gm7166**	predicted gene 7166
A_55_P2266295	1.68E-07	5.07	**Fzd3**	frizzled homolog 3 (Drosophila)
A_55_P2053647	1.55E-05	5.07		
A_51_P212782	0.001491	5.07	**Il1b**	interleukin 1 beta
A_55_P2233373	4.19E-05	5.06	**D930023I05Rik**	RIKEN cDNA D930023I05 gene
A_51_P259214	1.20E-08	5.06	**Slc39a6**	solute carrier family 39 (metal ion transporter), member 6
A_55_P2157522	2.01E-05	5.05		
A_51_P336325	2.67E-08	5.05	**Orm1**	orosomucoid 1
A_55_P2097279	1.23E-05	5.05	**Lilrb3**	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
A_51_P367060	2.13E-05	5.04	**Ifrd1**	interferon-related developmental regulator 1
A_55_P2016114	1.18E-07	5.04	**Fasl**	Fas ligand (TNF superfamily, member 6)
A_52_P18236	0.000606	5.03	**Pira6**	paired-Ig-like receptor A6
A_51_P174143	2.32E-05	5.03	**Pip**	prolactin induced protein
A_51_P212782	0.001545	5.03	**Il1b**	interleukin 1 beta
A_55_P1979986	1.03E-05	5.03	**Crcp**	calcitonin gene-related peptide-receptor component protein
A_30_P01028521	2.83E-07	5.02		
A_51_P247359	6.44E-05	5.02	**Ptprcap**	protein tyrosine phosphatase, receptor type, C polypeptide-associated protein
A_51_P212782	0.001894	5.02	**Il1b**	interleukin 1 beta
A_55_P2042046	9.81E-06	5.02	**5430427O19Rik**	RIKEN cDNA 5430427O19 gene
A_51_P111532	0.002126	5.02	**Ubash3a**	ubiquitin associated and SH3 domain containing, A
A_55_P2159895	3.52E-05	5.01	**Zfp52**	zinc finger protein 52
A_55_P2079269	1.19E-05	5.01		
A_55_P2003221	0.000345	5.01	**Gimap3**	GTPase, IMAP family member 3
A_30_P01021573	7.39E-05	5.01		
A_55_P1980308	4.13E-05	5.00	**Stap1**	signal transducing adaptor family member 1
A_55_P2097206	3.38E-05	5.00	**Camk4**	calcium/calmodulin-dependent protein kinase IV
A_51_P507053	5.62E-06	4.99	**Slc38a1**	solute carrier family 38, member 1
A_55_P2321468	0.000128	4.99	**C130030J05**	hypothetical protein C130030J05
A_51_P104418	1.19E-05	4.99	**Dusp10**	dual specificity phosphatase 10
A_30_P01032184	0.000167	4.99		
A_30_P01026520	0.000192	4.98		
A_51_P472888	8.66E-07	4.97	**E130303B06Rik**	RIKEN cDNA E130303B06 gene
A_30_P01026436	2.27E-08	4.97		
A_55_P2158697	3.94E-05	4.96	**Hist1h4i**	histone cluster 1, H4i
A_30_P01021303	4.39E-09	4.96		
A_52_P148514	2.33E-05	4.96	**Hpse**	heparanase
A_51_P204740	0.000124	4.95	**Cd34**	CD34 antigen
A_30_P01021800	4.25E-07	4.95		
A_30_P01017632	0.000133	4.95		
A_52_P616392	1.63E-06	4.95	**Sbno2**	strawberry notch homolog 2 (Drosophila)
A_55_P2171196	6.73E-06	4.94		
A_30_P01033397	1.23E-05	4.94		
A_52_P180373	5.46E-07	4.94	**Mpeg1**	macrophage expressed gene 1
A_66_P117477	0.000288	4.94	**Dlk1**	delta-like 1 homolog (Drosophila)
A_52_P418644	1.93E-05	4.94	**Plp2**	proteolipid protein 2
A_55_P2051322	5.16E-07	4.94	**Efhd2**	EF hand domain containing 2
A_55_P2105256	2.39E-05	4.93		
A_55_P2143388	1.94E-05	4.93		
A_55_P1953823	0.000443	4.93		
A_55_P2181222	4.42E-05	4.93	**Pydc3**	pyrin domain containing 3
A_55_P1990866	3.42E-05	4.93	**Mylk3**	myosin light chain kinase 3
A_30_P01032358	0.000181	4.93		
A_55_P2157814	2.75E-05	4.92	**Gmds**	GDP-mannose 4, 6-dehydratase
A_51_P187842	3.01E-05	4.92	**Eif4e3**	eukaryotic translation initiation factor 4E member 3
A_66_P127969	0.002132	4.92	**Bcat1**	branched chain aminotransferase 1, cytosolic
A_51_P237865	0.000667	4.91	**Il4**	interleukin 4
A_55_P2093720	2.86E-05	4.91	**Dnajc5**	DnaJ (Hsp40) homolog, subfamily C, member 5
A_55_P2030536	0.000128	4.91	**Ccnyl1**	cyclin Y-like 1
A_52_P1093529	8.59E-06	4.91	**Pik3r5**	phosphoinositide-3-kinase, regulatory subunit 5, p101
A_66_P121053	0.001311	4.91	**Sftpd**	surfactant associated protein D
A_55_P2083014	0.000452	4.90		
A_55_P2034032	4.09E-06	4.90	**Il12rb1**	interleukin 12 receptor, beta 1
A_55_P2091359	2.94E-06	4.89	**Padi2**	peptidyl arginine deiminase, type II
A_55_P2011482	4.02E-05	4.89		
A_55_P2053823	0.005069	4.89	**Iqcf4**	IQ motif containing F4
A_66_P106060	0.000105	4.89	**Dtx3l**	deltex 3-like (Drosophila)
A_55_P2125149	1.13E-10	4.88	**Tulp1**	tubby like protein 1
A_55_P1975837	5.05E-07	4.88		
A_51_P442284	4.71E-08	4.88	**Dnajc12**	DnaJ (Hsp40) homolog, subfamily C, member 12
A_55_P1986296	1.49E-06	4.88	**Tagln2**	transgelin 2
A_55_P2143376	0.000697	4.88		
A_51_P110672	4.78E-06	4.87	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_55_P2023314	0.000296	4.87	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_52_P390127	8.65E-06	4.86	**Klrc1**	killer cell lectin-like receptor subfamily C, member 1
A_55_P2273232	0.000245	4.86	**C79296**	expressed sequence C79296
A_30_P01022945	2.73E-06	4.86		
A_55_P2040838	3.31E-05	4.86	**Gm14548**	predicted gene 14548
A_51_P377452	5.61E-05	4.86	**Ncf4**	neutrophil cytosolic factor 4
A_55_P2130870	5.85E-06	4.86		
A_55_P2093433	3.82E-07	4.86	**Kcnk12**	potassium channel, subfamily K, member 12
A_55_P1989947	1.13E-08	4.86		
A_30_P01031282	0.001418	4.86		
A_30_P01026872	8.08E-08	4.86		
A_30_P01025708	1.71E-06	4.85		
A_30_P01028795	3.46E-05	4.85		

A_51_P470630	0.000724	4.85	**2310014L17Rik**	RIKEN cDNA 2310014L17 gene
A_55_P1974967	0.000335	4.85	**Hist2h4**	histone cluster 2, H4
A_51_P146753	0.000179	4.84	**Csf2rb2**	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)
A_30_P01033384	1.92E-06	4.84		
A_55_P2132626	6.12E-07	4.84		
A_51_P436878	8.67E-07	4.83	**Sertad1**	SERTA domain containing 1
A_30_P01023168	4.01E-08	4.83		
A_30_P01023449	9.60E-06	4.83		
A_55_P2112569	0.002093	4.83		
A_55_P1991079	1.97E-06	4.82	**Phf21b**	PHD finger protein 21B
A_51_P110672	8.57E-06	4.82	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_51_P430766	0.000137	4.82	**Il10**	interleukin 10
A_51_P325281	1.04E-05	4.82		
A_51_P417701	1.18E-05	4.81	**Apaf1**	apoptotic peptidase activating factor 1
A_30_P01019123	0.000104	4.81		
A_52_P649296	1.98E-08	4.81	**Nras**	neuroblastoma ras oncogene
A_55_P2161545	1.33E-08	4.81	**Ddx21**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
A_51_P212782	0.002434	4.81	**Il1b**	interleukin 1 beta
A_30_P01018653	7.11E-06	4.81		
A_51_P235687	1.31E-06	4.80	**Alox5ap**	arachidonate 5-lipoxygenase activating protein
A_55_P2106603	0.000492	4.80		
A_52_P269942	5.37E-05	4.80	**Cpt1c**	carnitine palmitoyltransferase 1c
A_30_P01019800	8.44E-08	4.80		
A_55_P1965079	0.000517	4.80	**Gm10499**	predicted gene 10499
A_66_P134808	5.38E-06	4.80	**Nos1ap**	nitric oxide synthase 1 (neuronal) adaptor protein
A_55_P1973229	1.12E-05	4.79		
A_51_P273538	1.07E-05	4.79	**Syce2**	synaptonemal complex central element protein 2
A_55_P2021109	2.32E-06	4.79	**Ier5**	immediate early response 5
A_55_P2186051	0.000321	4.79		
A_55_P1964960	0.002108	4.78	**Il33**	interleukin 33
A_51_P165504	1.94E-05	4.78	**Twist2**	twist homolog 2 (Drosophila)
A_55_P2110076	0.000923	4.78	**C1qtnf6**	C1q and tumor necrosis factor related protein 6
A_55_P2024704	7.61E-06	4.78	**Cpe**	carboxypeptidase E
A_55_P2047285	1.16E-06	4.78	**Lcn6**	lipocalin 6
A_52_P236233	0.006133	4.77	**Gast**	gastrin
A_52_P183038	2.23E-06	4.77	**Impdh1**	inosine 5'-phosphate dehydrogenase 1
A_55_P2180551	6.79E-07	4.77	**Fam60a**	family with sequence similarity 60, member A
A_55_P2065169	2.21E-05	4.77		
A_55_P1971468	2.81E-05	4.76		
A_55_P2109559	0.00038	4.76	**Trim6**	tripartite motif-containing 6
A_66_P134674	1.38E-05	4.75	**Far1**	fatty acyl CoA reductase 1
A_55_P2150717	0.000161	4.75	**Eomes**	eomesodermin homolog (Xenopus laevis)
A_30_P01030698	0.000688	4.74		
A_55_P2216536	8.73E-05	4.74	**2610209C05Rik**	RIKEN cDNA 2610209C05 gene
A_55_P2160451	0.000288	4.74	**2610018G03Rik**	RIKEN cDNA 2610018G03 gene
A_30_P01031121	3.35E-05	4.74		
A_51_P472217	0.000129	4.73	**2010317E24Rik**	RIKEN cDNA 2010317E24 gene
A_51_P461108	2.28E-05	4.73	**Osbpl10**	oxysterol binding protein-like 10
A_52_P49321	1.19E-05	4.73	**Adamts9**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9
A_55_P2090764	0.000111	4.73	**Olfr1459**	olfactory receptor 1459
A_51_P505617	0.000137	4.72	**Il18r1**	interleukin 18 receptor 1
A_55_P2135526	0.000211	4.72	**Gzmc**	granzyme C
A_30_P01032599	1.61E-08	4.72		
A_51_P235123	1.57E-05	4.72	**Nfkbie**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon
A_51_P211765	0.000343	4.72	**Rin1**	Ras and Rab interactor 1
A_52_P554536	0.000138	4.72	**Tnfrsf26**	tumor necrosis factor receptor superfamily, member 26
A_30_P01025414	3.35E-08	4.71		
A_55_P2009988	1.80E-06	4.71	**Trib3**	tribbles homolog 3 (Drosophila)
A_55_P2026315	5.90E-05	4.71	**Gys1**	glycogen synthase 1, muscle
A_55_P2039250	0.000234	4.71	**Mboat2**	membrane bound O-acyltransferase domain containing 2
A_55_P2036475	2.53E-07	4.71	**Ifna11**	interferon alpha 11
A_51_P374137	0.000101	4.70	**Bcmo1**	beta-carotene 15,15'-monooxygenase
A_52_P553890	4.38E-05	4.70	**Itgb3**	integrin beta 3
A_30_P01030142	5.07E-08	4.70		
A_55_P2142064	0.000122	4.70	**Synj2**	synaptojanin 2
A_51_P131335	5.74E-05	4.70	**Lrrc66**	leucine rich repeat containing 66
A_30_P01031911	5.21E-06	4.70		
A_30_P01024980	8.95E-06	4.70		
A_66_P135106	0.00075	4.70	**Slco3a1**	solute carrier organic anion transporter family, member 3a1
A_51_P514712	1.57E-05	4.70	**Parp14**	poly (ADP-ribose) polymerase family, member 14
A_30_P01030522	6.22E-05	4.69		
A_51_P453475	7.92E-06	4.69	**Slc1a5**	solute carrier family 1 (neutral amino acid transporter), member 5
A_51_P413910	0.000496	4.69	**Hmx3**	H6 homeobox 3
A_55_P2226675	0.000409	4.68	**B930078G14Rik**	RIKEN cDNA B930078G14 gene
A_55_P2077806	0.004069	4.68		
A_52_P350537	4.83E-07	4.68	**Mtmr11**	myotubularin related protein 11
A_55_P2072908	1.13E-08	4.68		
A_55_P2056654	2.98E-05	4.67	**Kif22**	kinesin family member 22
A_55_P1995135	2.32E-06	4.67	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_55_P1964347	2.06E-06	4.67		
A_55_P2018106	3.61E-06	4.67	**Gm14085**	predicted gene 14085
A_55_P2187043	1.95E-05	4.67	**Tpm1**	tropomyosin 1, alpha
A_55_P2034300	9.16E-05	4.66	**Tmem40**	transmembrane protein 40
A_55_P2176260	1.47E-09	4.66		
A_55_P2100884	1.61E-05	4.66	**Fjx1**	four jointed box 1 (Drosophila)
A_52_P502754	0.000337	4.66	**Ampd3**	adenosine monophosphate deaminase 3
A_51_P254045	4.06E-05	4.65	**Traip**	TRAF-interacting protein
A_55_P2107207	8.28E-05	4.65		
A_55_P2141884	3.98E-06	4.65	**Tagln2**	transgelin 2
A_30_P01029550	3.08E-06	4.65		
A_55_P2073313	1.55E-05	4.65	**Unc79**	unc-79 homolog (C. elegans)
A_55_P1973156	4.57E-08	4.64		
A_51_P100298	7.08E-05	4.64	**Stx3**	syntaxin 3
A_52_P456640	6.72E-06	4.64	**Fgr**	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog
A_55_P1966719	0.000487	4.64		

A_30_P01029579	1.53E-05	4.64		
A_51_P123676	1.52E-06	4.64	**Synpo**	synaptopodin
A_55_P2249556	4.50E-06	4.63	**A630081D01Rik**	RIKEN cDNA A630081D01 gene
A_30_P01019226	0.000176	4.63		
A_55_P2112702	2.79E-05	4.63		
A_55_P2120946	0.000574	4.62	**Mefv**	Mediterranean fever
A_66_P133255	2.97E-06	4.62	**Prkch**	protein kinase C, eta
A_55_P2029687	6.65E-05	4.62	**Hmox1**	heme oxygenase (decycling) 1
A_55_P1995195	3.26E-06	4.61	**Fosl2**	fos-like antigen 2
A_52_P171178	4.99E-05	4.61	**Ccdc33**	coiled-coil domain containing 33
A_55_P2137121	0.000114	4.61	**Sp140**	Sp140 nuclear body protein
A_55_P1991416	3.61E-05	4.61		
A_52_P216613	0.000459	4.61	**Gpr18**	G protein-coupled receptor 18
A_51_P139096	0.000387	4.60	**1700122O11Rik**	RIKEN cDNA 1700122O11 gene
A_51_P307964	1.04E-06	4.60	**Krt13**	keratin 13
A_30_P01022953	1.85E-08	4.60		
A_52_P244193	9.52E-06	4.60	**Cd24a**	CD24a antigen
A_51_P430766	0.000313	4.59	**Il10**	interleukin 10
A_51_P196695	0.000699	4.59	**Il7r**	interleukin 7 receptor
A_51_P481482	0.000103	4.59	**Dram1**	DNA-damage regulated autophagy modulator 1
A_55_P2085586	1.27E-05	4.59		
A_51_P487073	0.000199	4.59	**Wfdc12**	WAP four-disulfide core domain 12
A_51_P243808	0.000305	4.59	**Traf3ip3**	TRAF3 interacting protein 3
A_66_P130634	2.78E-05	4.58	**Tyms**	thymidylate synthase
A_51_P360004	1.01E-07	4.58	**4833422F24Rik**	RIKEN cDNA 4833422F24 gene
A_51_P351015	0.003728	4.58	**Lta**	lymphotoxin A
A_51_P123676	5.56E-06	4.57	**Synpo**	synaptopodin
A_55_P2163857	3.85E-05	4.57	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_51_P304170	9.20E-06	4.57	**Rtp4**	receptor transporter protein 4
A_51_P121891	0.000124	4.57	**Rac2**	RAS-related C3 botulinum substrate 2
A_51_P370510	1.45E-06	4.56	**BC022687**	cDNA sequence BC022687
A_55_P2026218	4.77E-05	4.55	**Igsf8**	immunoglobulin superfamily, member 8
A_55_P2160825	8.64E-06	4.55		
A_30_P01028287	7.52E-07	4.55		
A_52_P675395	1.93E-05	4.54	**Cxcr7**	chemokine (C-X-C motif) receptor 7
A_55_P2141820	2.79E-05	4.54		
A_55_P1970474	6.96E-05	4.54	**Tmem67**	transmembrane protein 67
A_30_P01033434	2.37E-05	4.54		
A_55_P2086810	9.11E-06	4.53	**Sp140**	Sp140 nuclear body protein
A_30_P01030769	1.01E-09	4.53		
A_51_P302520	0.000103	4.53	**Myom1**	myomesin 1
A_55_P1988373	0.000379	4.53	**Mlf1ip**	myeloid leukemia factor 1 interacting protein
A_55_P1965681	1.00E-06	4.53		
A_51_P121891	9.16E-05	4.53	**Rac2**	RAS-related C3 botulinum substrate 2
A_55_P2089020	5.06E-05	4.52	**Tmem22**	transmembrane protein 22
A_55_P2033278	0.001856	4.52	**Speer5-ps1**	spermatogenesis associated glutamate (E)-rich protein 5, pseudogene 1
A_30_P01020440	1.99E-05	4.52		
A_66_P114784	0.000112	4.52	**Pla2g7**	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
A_51_P417074	5.72E-06	4.52	**Arhgap8**	Rho GTPase activating protein 8
A_52_P321140	1.31E-05	4.52	**Defb1**	defensin beta 1
A_55_P2108012	0.000642	4.51	**Fam78b**	family with sequence similarity 78, member B
A_55_P2067161	0.000149	4.51	**Usp26**	ubiquitin specific peptidase 26
A_51_P193146	8.37E-06	4.51	**Ms4a6c**	membrane-spanning 4-domains, subfamily A, member 6C
A_52_P489295	8.64E-06	4.51	**Adamts1**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1
A_55_P1973553	1.00E-05	4.50	**Bbs12**	Bardet-Biedl syndrome 12 (human)
A_52_P586004	0.000715	4.50	**Hk3**	hexokinase 3
A_55_P2015199	1.59E-05	4.50		
A_55_P2136318	2.17E-05	4.50	**Slc1a5**	solute carrier family 1 (neutral amino acid transporter), member 5
A_30_P01027120	0.003649	4.50		
A_30_P01018927	2.02E-05	4.50		
A_66_P111430	4.73E-05	4.50	**2410006H16Rik**	RIKEN cDNA 2410006H16 gene
A_30_P01022562	0.000173	4.49		
A_55_P1954448	0.000173	4.49	**Myh14**	myosin, heavy polypeptide 14
A_30_P01024184	3.94E-05	4.49		
A_55_P2127617	1.07E-05	4.49	**6330403A02Rik**	RIKEN cDNA 6330403A02 gene
A_55_P2140745	5.84E-05	4.49		
A_51_P121891	7.78E-05	4.48	**Rac2**	RAS-related C3 botulinum substrate 2
A_55_P2243431	0.000118	4.48	**Gdap10**	ganglioside-induced differentiation-associated-protein 10
A_55_P2077546	1.97E-09	4.48		
A_55_P1962568	7.75E-08	4.48		
A_30_P01031934	0.000275	4.48		
A_30_P01028457	1.50E-05	4.48		
A_55_P2092909	2.90E-07	4.48	**Rassf1**	Ras association (RalGDS/AF-6) domain family member 1
A_51_P100298	3.87E-05	4.48	**Stx3**	syntaxin 3
A_55_P2125613	1.91E-06	4.47	**Fam71f2**	family with sequence similarity 71, member F2
A_55_P2170405	8.77E-06	4.47		
A_30_P01032288	9.03E-08	4.47		
A_55_P2004821	9.16E-05	4.47	**Olfr1417**	olfactory receptor 1417
A_51_P511482	3.82E-07	4.47	**Ift57**	intraflagellar transport 57 homolog (Chlamydomonas)
A_55_P2016119	4.47E-06	4.46	**Sgcb**	sarcoglycan, beta (dystrophin-associated glycoprotein)
A_30_P01023245	1.37E-06	4.46		
A_55_P2020378	6.30E-05	4.46	**Ehd4**	EH-domain containing 4
A_51_P128987	3.75E-05	4.46	**Akr1b8**	aldo-keto reductase family 1, member B8
A_51_P430766	0.00064	4.45	**Il10**	interleukin 10
A_55_P2041614	0.000479	4.45	**Cerkl**	ceramide kinase-like
A_55_P2023200	0.000393	4.45	**Miox**	myo-inositol oxygenase
A_55_P2077681	1.90E-08	4.45	**Prkag3**	protein kinase, AMP-activated, gamma 3 non-catatlytic subunit
A_51_P120589	0.000299	4.45	**Olfr181**	olfactory receptor 181
A_55_P2078675	2.66E-05	4.45		
A_55_P2226660	0.000275	4.44	**5033418A18Rik**	RIKEN cDNA 5033418A18 gene
A_55_P2096978	0.000815	4.44		
A_30_P01027748	8.62E-09	4.44		
A_30_P01023046	1.53E-07	4.44		
A_55_P1989514	5.78E-05	4.44	**2010016I18Rik**	RIKEN cDNA 2010016I18 gene
A_55_P1961730	0.000104	4.44	**Kcnt2**	potassium channel, subfamily T, member 2

A_55_P2195157	1.66E-06	4.44	**Dbn1**	drebrin 1
A_52_P306305	2.54E-07	4.44	**Akap2**	A kinase (PRKA) anchor protein 2
A_52_P560146	7.31E-06	4.43	**Gm22**	predicted gene 22
A_51_P110672	9.66E-06	4.43	**Mst1r**	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
A_30_P01032222	2.54E-06	4.43		
A_51_P475342	0.000551	4.43	**Chrnb1**	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)
A_55_P2001764	0.000607	4.43		
A_51_P446131	0.002783	4.43	**Gipc2**	GIPC PDZ domain containing family, member 2
A_55_P2126448	0.000169	4.43	**1810032O08Rik**	RIKEN cDNA 1810032O08 gene
A_55_P1954604	8.95E-07	4.42		
A_30_P01017973	0.000152	4.42		
A_30_P01026503	0.000512	4.42		
A_51_P123676	1.15E-05	4.42	**Synpo**	synaptopodin
A_55_P2394308	6.89E-06	4.41	**Fst**	follistatin
A_51_P237865	0.000108	4.41	**Il4**	interleukin 4
A_51_P115005	5.73E-05	4.41	**Edn1**	endothelin 1
A_30_P01031815	6.15E-07	4.41		
A_52_P78257	3.77E-05	4.41	**Plekha2**	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2
A_55_P1971137	1.48E-08	4.40		
A_51_P120589	0.000164	4.40	**Olfr181**	olfactory receptor 181
A_51_P120093	6.49E-06	4.40	**Snx10**	sorting nexin 10
A_51_P371051	0.000266	4.40	**Glipr1**	GLI pathogenesis-related 1 (glioma)
A_55_P2056606	1.92E-06	4.40		
A_30_P01022857	1.58E-07	4.39		
A_52_P621691	2.65E-06	4.39	**Clrn1**	clarin 1
A_55_P2078403	2.76E-05	4.39	**Rgs19**	regulator of G-protein signaling 19
A_55_P2139341	0.000416	4.39	**Gm5595**	predicted gene 5595
A_55_P1992839	2.11E-05	4.39	**Dsn1**	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)
A_55_P2064659	2.95E-05	4.38	**Trim12a**	tripartite motif-containing 12A
A_51_P121891	8.75E-05	4.38	**Rac2**	RAS-related C3 botulinum substrate 2
A_55_P2018636	0.001937	4.38	**9530077C05Rik**	RIKEN cDNA 9530077C05 gene
A_30_P01022743	1.63E-07	4.38		
A_51_P292008	0.000476	4.38	**Gpx3**	glutathione peroxidase 3
A_52_P85174	0.001966	4.38	**Tlr3**	toll-like receptor 3
A_30_P01026736	2.72E-05	4.38		
A_51_P121891	5.34E-05	4.38	**Rac2**	RAS-related C3 botulinum substrate 2
A_55_P2153633	8.89E-06	4.38	**Snrpc**	U1 small nuclear ribonucleoprotein C
A_51_P128987	8.67E-05	4.37	**Akr1b8**	aldo-keto reductase family 1, member B8
A_52_P183181	5.76E-06	4.37	**Adar**	adenosine deaminase, RNA-specific
A_55_P2127702	7.70E-05	4.37	**Racgap1**	Rac GTPase-activating protein 1
A_55_P2140842	0.000198	4.37		
A_30_P01020317	1.67E-05	4.36		
A_55_P2075294	6.21E-06	4.36		
A_51_P430766	0.000596	4.36	**Il10**	interleukin 10
A_51_P394802	0.000105	4.36	**Fam111a**	family with sequence similarity 111, member A
A_55_P1964648	0.002795	4.36	**Btla**	B and T lymphocyte associated
A_52_P19532	6.59E-06	4.36	**Fgd3**	FYVE, RhoGEF and PH domain containing 3
A_52_P512817	1.84E-06	4.36	**Shisa5**	shisa homolog 5 (Xenopus laevis)
A_30_P01027572	0.00041	4.35		
A_51_P477736	0.005228	4.35	**4932415M13Rik**	RIKEN cDNA 4932415M13 gene
A_30_P01025331	2.33E-07	4.35		
A_51_P291361	3.86E-05	4.35	**Osm**	oncostatin M
A_51_P100309	0.000508	4.35	**Oprm1**	opioid receptor, mu 1
A_66_P125709	1.22E-06	4.35	**D930032P07Rik**	RIKEN cDNA D930032P07 gene
A_55_P2093520	5.47E-06	4.35	**LOC641136**	eukaryotic translation initiation factor 1A-like
A_55_P2124273	0.000308	4.34	**Myo1f**	myosin IF
A_55_P1990740	4.01E-07	4.34		
A_30_P01025336	0.002738	4.34		
A_52_P238044	6.70E-05	4.34	**Psmc3ip**	proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein
A_55_P1957213	1.04E-06	4.34	**3930401B19Rik**	RIKEN cDNA 3930401B19 gene
A_65_P17476	0.000136	4.34	**Gse1**	genetic suppressor element 1
A_66_P110742	5.25E-05	4.34		
A_51_P120093	3.35E-06	4.34	**Snx10**	sorting nexin 10
A_51_P237865	0.000491	4.34	**Il4**	interleukin 4
A_55_P2003991	0.000292	4.34	**H2-T24**	histocompatibility 2, T region locus 24
A_30_P01020300	2.84E-06	4.34		
A_55_P2109107	2.38E-08	4.33		
A_55_P2055299	1.28E-06	4.33		
A_55_P2020532	3.72E-08	4.33	**BC089491**	cDNA sequence BC089491
A_55_P2452259	1.49E-05	4.33	**Gls**	glutaminase
A_55_P1978866	2.73E-06	4.32		
A_51_P114062	0.000105	4.32	**Ncs1**	neuronal calcium sensor 1
A_55_P2170599	3.68E-06	4.32		
A_55_P1954476	1.06E-06	4.32		
A_55_P2180216	1.74E-05	4.32		
A_52_P409833	1.62E-05	4.31	**Plat**	plasminogen activator, tissue
A_30_P01025061	4.84E-05	4.31		
A_51_P245368	2.40E-06	4.31	**Abcb1b**	ATP-binding cassette, sub-family B (MDR/TAP), member 1B
A_55_P2130388	0.000137	4.31	**Mical1**	microtubule associated monoxygenase, calponin and LIM domain containing 1
A_55_P2038452	1.63E-05	4.30		
A_55_P2395911	0.000109	4.30	**D2Ertd295e**	DNA segment, Chr 2, ERATO Doi 295, expressed
A_55_P2170737	1.08E-05	4.30	**Igf2bp2**	insulin-like growth factor 2 mRNA binding protein 2
A_30_P01029670	1.54E-06	4.30		
A_52_P90363	1.42E-05	4.30	**Ifi27l2a**	interferon, alpha-inducible protein 27 like 2A
A_55_P2169539	1.06E-07	4.30		
A_52_P35057	5.10E-09	4.30	**Kctd17**	potassium channel tetramerisation domain containing 17
A_30_P01030473	0.000208	4.30		
A_55_P2085955	0.002548	4.30	**Dnajb11**	DnaJ (Hsp40) homolog, subfamily B, member 11
A_55_P2185407	2.69E-06	4.29	**Gm5258**	predicted gene 5258
A_66_P124139	0.000347	4.29	**Ikzf1**	IKAROS family zinc finger 1
A_55_P2028734	1.96E-06	4.29	**Klra16**	killer cell lectin-like receptor, subfamily A, member 16
A_30_P01022952	2.16E-05	4.29		
A_55_P2023637	1.41E-07	4.28	**Prg4**	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)
A_30_P01029083	2.12E-07	4.28		
A_51_P128987	5.36E-05	4.28	**Akr1b8**	aldo-keto reductase family 1, member B8

A_51_P446045	0.0009	4.28	**Scd3**	stearoyl-coenzyme A desaturase 3
A_51_P389957	0.000137	4.28	**Rgs14**	regulator of G-protein signaling 14
A_51_P324934	1.57E-05	4.28	**Mcm3**	minichromosome maintenance deficient 3 (S. cerevisiae)
A_30_P01025493	1.92E-05	4.27		
A_30_P01024894	2.61E-07	4.27		
A_30_P01030626	1.87E-05	4.27		
A_55_P1972275	8.38E-06	4.27	**Wars**	tryptophanyl-tRNA synthetase
A_66_P140742	7.53E-06	4.27	**Adc**	arginine decarboxylase
A_55_P2035951	2.05E-08	4.27	**Haus8**	4HAUS augmin-like complex, subunit 8
A_55_P2111459	1.96E-06	4.26	**Trpv2**	transient receptor potential cation channel, subfamily V, member 2
A_55_P2122195	1.07E-05	4.26	**Kcnk9**	potassium channel, subfamily K, member 9
A_30_P01033070	7.21E-05	4.26		
A_51_P121891	0.000107	4.26	**Rac2**	RAS-related C3 botulinum substrate 2
A_51_P430766	0.003066	4.26	**Il10**	interleukin 10
A_51_P123676	2.01E-05	4.26	**Synpo**	synaptopodin
A_51_P120093	6.07E-06	4.26	**Snx10**	sorting nexin 10
A_30_P01020559	1.72E-07	4.26		
A_55_P1959818	0.000133	4.26	**Tmem40**	transmembrane protein 40
A_51_P489736	0.000206	4.26	**Tmem194b**	transmembrane protein 194B
A_55_P2185347	5.38E-09	4.25		
A_52_P392674	2.00E-06	4.25	**Acot9**	acyl-CoA thioesterase 9
A_66_P112855	3.02E-06	4.25	**AI413582**	expressed sequence AI413582
A_65_P09285	2.57E-06	4.25	**2610524H06Rik**	RIKEN cDNA 2610524H06 gene
A_55_P2022699	1.14E-08	4.25		
A_30_P01024801	1.13E-05	4.25		
A_30_P01018740	1.55E-07	4.24		
A_55_P2428968	4.97E-05	4.24	**Lrrc2**	leucine rich repeat containing 2
A_30_P01025648	0.00285	4.24		
A_55_P2039086	1.42E-05	4.24	**Nfkbiz**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
A_55_P1975665	6.54E-05	4.24	**Rhox4e**	reproductive homeobox 4E
A_51_P128987	5.13E-05	4.24	**Akr1b8**	aldo-keto reductase family 1, member B8
A_30_P01029470	0.000155	4.23		
A_55_P2013043	0.00011	4.23	**Serpinb6b**	serine (or cysteine) peptidase inhibitor, clade B, member 6b
A_51_P128987	3.79E-05	4.23	**Akr1b8**	aldo-keto reductase family 1, member B8
A_55_P2010912	8.51E-06	4.23	**Jak3**	Janus kinase 3
A_30_P01026259	1.29E-05	4.23		
A_51_P120093	1.41E-05	4.23	**Snx10**	sorting nexin 10
A_55_P1979427	1.45E-07	4.23	**Il9r**	interleukin 9 receptor
A_55_P2169909	0.000111	4.23		
A_51_P123676	1.57E-05	4.23	**Synpo**	synaptopodin
A_55_P2078093	3.24E-07	4.22	**Foxl2os**	forkhead box L2 opposite strand transcript
A_51_P100298	1.60E-05	4.22	**Stx3**	syntaxin 3
A_51_P120093	3.56E-06	4.22	**Snx10**	sorting nexin 10
A_51_P120093	8.63E-06	4.22	**Snx10**	sorting nexin 10
A_30_P01023013	2.06E-05	4.22		
A_51_P207988	3.06E-05	4.22	**Ptger4**	prostaglandin E receptor 4 (subtype EP4)
A_55_P2036180	0.003879	4.22	**Mcf2l**	mcf.2 transforming sequence-like
A_51_P120589	5.28E-05	4.22	**Olfr181**	olfactory receptor 181
A_55_P2137406	8.96E-07	4.22	**Bax**	BCL2-associated X protein
A_55_P2105944	5.76E-05	4.22	**Olfr224**	olfactory receptor 224
A_52_P667287	9.84E-05	4.22	**Lass6**	LAG1 homolog, ceramide synthase 6
A_55_P2079079	0.003149	4.22	**Cd19**	CD19 antigen
A_55_P2122020	8.69E-06	4.21	**Klf4**	Kruppel-like factor 4 (gut)
A_52_P604195	8.88E-05	4.21	**Mbp**	myelin basic protein
A_51_P121891	0.000115	4.21	**Rac2**	RAS-related C3 botulinum substrate 2
A_55_P2012101	0.00167	4.21	**Bmp8b**	bone morphogenetic protein 8b
A_30_P01024869	7.95E-07	4.20		
A_55_P2079732	0.00042	4.20	**Myo1h**	myosin 1H
A_55_P2152248	1.04E-05	4.20	**Cpe**	carboxypeptidase E
A_30_P01019625	2.33E-06	4.20		
A_55_P2008538	6.15E-07	4.20	**Chmp4b**	chromatin modifying protein 4B
A_55_P2083619	2.21E-07	4.20	**Rab8b**	RAB8B, member RAS oncogene family
A_55_P2124233	0.003308	4.20	**Vsig8**	V-set and immunoglobulin domain containing 8
A_52_P571746	5.12E-06	4.19	**Sh2d5**	SH2 domain containing 5
A_51_P211854	3.00E-06	4.19	**Selp**	selectin, platelet
A_55_P2056403	8.95E-05	4.19	**Speer4f**	spermatogenesis associated glutamate (E)-rich protein 4f
A_51_P128987	7.21E-05	4.19	**Akr1b8**	aldo-keto reductase family 1, member B8
A_51_P163261	1.12E-05	4.19	**Gm6985**	predicted pseudogene 6985
A_51_P128987	0.000108	4.19	**Akr1b8**	aldo-keto reductase family 1, member B8
A_52_P297332	4.21E-06	4.19	**Aida**	axin interactor, dorsalization associated
A_51_P121891	7.28E-05	4.19	**Rac2**	RAS-related C3 botulinum substrate 2
A_51_P100298	7.24E-05	4.19	**Stx3**	syntaxin 3
A_66_P139618	1.76E-07	4.18	**Stfa2**	stefin A2
A_51_P123676	8.20E-06	4.18	**Synpo**	synaptopodin
A_52_P266132	0.00012	4.18	**Fgl2**	fibrinogen-like protein 2
A_52_P548202	1.50E-06	4.18	**Gm10030**	predicted gene 10030
A_51_P114910	1.53E-07	4.18	**Cstb**	cystatin B
A_55_P2074656	2.99E-07	4.18	**Padi2**	peptidyl arginine deiminase, type II
A_55_P2054013	7.10E-06	4.18	**Sema3a**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
A_51_P121891	5.33E-05	4.17	**Rac2**	RAS-related C3 botulinum substrate 2
A_51_P120093	1.93E-06	4.17	**Snx10**	sorting nexin 10
A_30_P01017931	5.19E-09	4.17		
A_51_P121891	5.74E-05	4.17	**Rac2**	RAS-related C3 botulinum substrate 2
A_51_P260683	0.002547	4.17	**Rgs1**	regulator of G-protein signaling 1
A_51_P120093	4.37E-06	4.17	**Snx10**	sorting nexin 10
A_55_P2276224	0.000324	4.17	**9330175E14Rik**	RIKEN cDNA 9330175E14 gene
A_51_P115005	7.16E-05	4.17	**Edn1**	endothelin 1
A_55_P2033705	3.52E-05	4.17	**Pax3**	paired box gene 3
A_52_P381303	8.37E-05	4.16	**Gins2**	GINS complex subunit 2 (Psf2 homolog)
A_55_P1966823	7.85E-08	4.16	**LOC674392**	zinc finger protein 665-like
A_51_P123676	2.67E-06	4.16	**Synpo**	synaptopodin
A_51_P430766	0.000389	4.16	**Il10**	interleukin 10
A_52_P602669	2.80E-06	4.16	**Serpinb6d**	serine (or cysteine) peptidase inhibitor, clade B, member 6d
A_55_P2043554	2.41E-07	4.15	**Slc12a4**	solute carrier family 12, member 4
A_51_P367310	4.65E-06	4.15	**Chaf1b**	chromatin assembly factor 1, subunit B (p60)

A_30_P01024568	0.00013	4.15		
A_66_P121787	0.000344	4.15	**Samd9l**	sterile alpha motif domain containing 9-like
A_51_P295816	3.53E-05	4.15	**Cep192**	centrosomal protein 192
A_51_P215896	0.000323	4.15	**Tsc22d4**	TSC22 domain family, member 4
A_55_P2139546	0.000479	4.15	**B3gnt3**	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3
A_55_P2043013	0.000158	4.15	**A930007A09Rik**	RIKEN cDNA A930007A09 gene
A_51_P128987	0.000144	4.14	**Akr1b8**	aldo-keto reductase family 1, member B8
A_51_P196444	0.000646	4.14	**Foxc2**	forkhead box C2
A_51_P387235	0.000201	4.14	**Nampt**	nicotinamide phosphoribosyltransferase
A_30_P01028538	3.61E-05	4.14		
A_51_P109449	0.000138	4.14	**Ltb4r1**	leukotriene B4 receptor 1
A_30_P01027797	1.37E-05	4.14		
A_55_P1997225	5.66E-06	4.14	**Agap2**	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2
A_51_P341130	6.20E-06	4.14	**Iqgap1**	IQ motif containing GTPase activating protein 1
A_55_P1992247	8.75E-08	4.14	**Rergl**	RERG/RAS-like
A_55_P2011862	1.71E-05	4.14	**Mybpc3**	myosin binding protein C, cardiac
A_55_P2030275	1.44E-05	4.13	**ENSMUSG00000068**	predicted gene, ENSMUSG00000068790
A_30_P01018586	2.13E-08	4.13		
A_55_P1985890	0.000797	4.13	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_51_P128987	2.99E-05	4.13	**Akr1b8**	aldo-keto reductase family 1, member B8
A_30_P01027703	3.48E-06	4.13		
A_55_P2150896	4.94E-05	4.13	**Foxo3**	forkhead box O3
A_30_P01028458	4.14E-07	4.13		
A_30_P01024453	4.26E-05	4.13		
A_51_P211854	6.94E-05	4.13	**Selp**	selectin, platelet
A_30_P01022990	0.0003	4.12		
A_51_P340699	7.40E-06	4.12	**Rasl11a**	RAS-like, family 11, member A
A_51_P123676	4.52E-05	4.12	**Synpo**	synaptopodin
A_52_P496628	2.38E-05	4.12	**2700081O15Rik**	RIKEN cDNA 2700081O15 gene
A_55_P1988872	0.002005	4.11	**LOC100503813**	hypothetical protein LOC100503813
A_51_P209807	4.88E-07	4.11	**Ccnyl1**	cyclin Y-like 1
A_30_P01030026	3.85E-05	4.11		
A_55_P1986608	0.001479	4.11		
A_55_P2114133	1.10E-06	4.11	**Garnl3**	GTPase activating RANGAP domain-like 3
A_55_P2079560	0.000568	4.11	**Lilra6**	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6
A_51_P120093	1.16E-05	4.11	**Snx10**	sorting nexin 10
A_51_P237865	0.000309	4.11	**Il4**	interleukin 4
A_55_P2146214	3.84E-06	4.11	**Zcchc18**	zinc finger, CCHC domain containing 18
A_52_P679699	0.00051	4.11		
A_30_P01022472	0.001158	4.11		
A_55_P2148285	0.000199	4.10		
A_30_P01020325	3.63E-05	4.10		
A_55_P1999162	0.001813	4.10		
A_52_P302395	2.44E-06	4.10	**Lnpep**	leucyl/cystinyl aminopeptidase
A_52_P21550	4.60E-05	4.10	**Gcnt1**	glucosaminyl (N-acetyl) transferase 1, core 2
A_30_P01021658	1.52E-06	4.10		
A_55_P2080151	1.83E-05	4.10	**Hspa2**	heat shock protein 2
A_55_P1973046	9.24E-07	4.09	**Cttnbp2nl**	CTTNBP2 N-terminal like
A_51_P120093	1.21E-05	4.09	**Snx10**	sorting nexin 10
A_55_P2472735	0.000114	4.09	**A530032D15Rik**	RIKEN cDNA A530032D15Rik gene
A_30_P01019012	4.14E-06	4.09		
A_66_P110343	6.04E-07	4.09	**Snx10**	sorting nexin 10
A_51_P507290	7.85E-05	4.08	**Klf5**	Kruppel-like factor 5
A_55_P1953991	9.68E-07	4.08	**Lhb**	luteinizing hormone beta
A_55_P1982883	2.34E-05	4.08	**Gys1**	glycogen synthase 1, muscle
A_55_P2154933	0.001416	4.08	**Cd200r4**	CD200 receptor 4
A_66_P137943	2.78E-07	4.08	**Tctn2**	tectonic family member 2
A_51_P120589	0.000324	4.07	**Olfr181**	olfactory receptor 181
A_55_P2171528	1.33E-06	4.07	**3110082I17Rik**	RIKEN cDNA 3110082I17 gene
A_66_P118091	9.60E-05	4.07	**Tor3a**	torsin family 3, member A
A_55_P2035976	4.96E-07	4.07		
A_51_P469968	3.26E-06	4.07	**H2-M3**	histocompatibility 2, M region locus 3
A_51_P143712	1.16E-06	4.07	**Tdh**	L-threonine dehydrogenase
A_30_P01021989	1.86E-05	4.07		
A_55_P2073169	9.56E-07	4.07	**Padi4**	peptidyl arginine deiminase, type IV
A_55_P1986228	0.000133	4.06		
A_55_P1960989	0.000137	4.06	**Nlgn2**	neuroligin 2
A_55_P2117791	0.001602	4.06	**Rabggtb**	RAB geranylgeranyl transferase, b subunit
A_52_P531651	0.000103	4.06	**Parvg**	parvin, gamma
A_51_P324351	1.24E-06	4.05	**Mfi2**	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
A_30_P01021033	2.15E-05	4.05		
A_51_P315682	2.79E-06	4.05	**Igf2bp2**	insulin-like growth factor 2 mRNA binding protein 2
A_30_P01021642	5.57E-07	4.04		
A_55_P2094489	1.11E-06	4.04		
A_55_P1975155	4.85E-05	4.04	**Galnt6**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6
A_30_P01026333	3.10E-07	4.04		
A_30_P01026264	0.000147	4.04		
A_30_P01017727	9.06E-06	4.04		
A_55_P2137611	1.95E-05	4.04	**Irgm2**	immunity-related GTPase family M member 2
A_55_P2109152	0.002491	4.04	**Hist1h2bg**	histone cluster 1, H2bg
A_51_P346165	2.09E-05	4.04	**Agpat4**	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)
A_30_P01025650	1.08E-05	4.04		
A_51_P257934	7.25E-05	4.04	**Tnfsf13b**	tumor necrosis factor (ligand) superfamily, member 13b
A_30_P01022010	6.94E-06	4.04		
A_30_P01018558	3.42E-06	4.03		
A_51_P100298	0.000202	4.03	**Stx3**	syntaxin 3
A_55_P2099760	5.70E-05	4.03		
A_51_P280446	3.76E-07	4.03	**Sdf2l1**	stromal cell-derived factor 2-like 1
A_55_P2069974	0.000352	4.03	**Kctd1**	potassium channel tetramerisation domain containing 1
A_55_P2061333	5.52E-08	4.03		
A_55_P2176585	1.61E-05	4.03	**Donson**	downstream neighbor of SON
A_51_P380005	0.000695	4.02	**Galnt3**	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3
A_52_P334562	0.001	4.02	**Vdr**	vitamin D receptor
A_52_P515247	3.94E-05	4.02	**Arhgdib**	Rho, GDP dissociation inhibitor (GDI) beta
A_51_P415688	9.34E-07	4.02	**Gng12**	guanine nucleotide binding protein (G protein), gamma 12

A_30_P01017530	0.000113	4.02		
A_30_P01030969	1.89E-06	4.02		
A_55_P1954724	1.10E-06	4.02	**A130040M12Rik**	RIKEN cDNA A130040M12 gene
A_52_P98625	0.000667	4.02	**Ankrd57**	ankyrin repeat domain 57
A_55_P2187225	3.54E-05	4.02		
A_30_P01028014	2.43E-08	4.02		
A_55_P2049976	2.32E-07	4.01		
A_51_P208240	4.46E-05	4.01	**Tnfsf14**	tumor necrosis factor (ligand) superfamily, member 14
A_55_P1972605	9.75E-07	4.01	**Adora3**	adenosine A3 receptor
A_30_P01033392	4.61E-06	4.01		
A_55_P2004801	1.29E-05	4.00	**Tacc3**	transforming, acidic coiled-coil containing protein 3
A_66_P120425	5.90E-05	4.00		
A_55_P2021187	2.40E-05	4.00	**Malat1**	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)
A_51_P406306	4.58E-05	4.00	**Hecw2**	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
A_55_P2082539	0.000653	4.00	**Vmn1r234**	vomeronasal 1 receptor 234
A_30_P01022329	3.73E-06	4.00		
A_51_P128575	7.52E-07	4.00	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_55_P2018904	0.000882	4.00	**Gm5465**	predicted gene 5465
A_51_P336833	0.000283	4.00	**Fabp4**	fatty acid binding protein 4, adipocyte
A_55_P2072373	3.44E-07	3.99	**Msn**	moesin
A_55_P1953241	4.75E-05	3.99	**Mafk**	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)
A_51_P214747	2.51E-05	3.99	**Parp12**	poly (ADP-ribose) polymerase family, member 12
A_55_P2120706	0.000111	3.98		
A_52_P1082736	0.000241	3.98	**Gm4532**	predicted gene 4532
A_51_P191649	0.002519	3.98	**Ndc80**	NDC80 homolog, kinetochore complex component (S. cerevisiae)
A_51_P506201	3.35E-05	3.98	**Cckbr**	cholecystokinin B receptor
A_30_P01019365	0.00012	3.98		
A_52_P236528	6.12E-07	3.98	**4930431P19Rik**	RIKEN cDNA 4930431P19 gene
A_52_P570266	1.49E-07	3.98	**Psmb10**	proteasome (prosome, macropain) subunit, beta type 10
A_30_P01026422	1.41E-05	3.98		
A_30_P01027893	5.24E-05	3.98		
A_55_P1952502	4.93E-07	3.98	**Mapk7**	mitogen-activated protein kinase 7
A_51_P128987	6.21E-05	3.98	**Akr1b8**	aldo-keto reductase family 1, member B8
A_30_P01023734	2.59E-06	3.98		
A_30_P01023719	4.05E-06	3.97		
A_52_P294510	8.20E-08	3.97	**Fgl1**	fibrinogen-like protein 1
A_55_P2132099	0.000171	3.97		
A_66_P128058	2.28E-07	3.97	**Mtap7d2**	MAP7 domain containing 2
A_55_P2063396	2.76E-06	3.97	**Zfand2a**	zinc finger, AN1-type domain 2A
A_51_P351015	0.004503	3.97	**Lta**	lymphotoxin A
A_55_P2004797	0.000421	3.97	**Tacc2**	transforming, acidic coiled-coil containing protein 2
A_55_P2100065	9.03E-07	3.97	**Fsd1l**	fibronectin type III and SPRY domain containing 1-like
A_55_P1973578	0.000124	3.96	**Foxh1**	forkhead box H1
A_55_P1976928	5.12E-05	3.96	**Unc13d**	unc-13 homolog D (C. elegans)
A_51_P123676	2.69E-05	3.96	**Synpo**	synaptopodin
A_30_P01022357	7.20E-06	3.96		
A_55_P1981739	1.78E-05	3.96	**Donson**	downstream neighbor of SON
A_51_P115005	3.65E-05	3.96	**Edn1**	endothelin 1
A_55_P2003753	2.05E-05	3.95	**Sh2d5**	SH2 domain containing 5
A_52_P371949	1.31E-07	3.95	**Eif6**	eukaryotic translation initiation factor 6
A_55_P1952166	1.21E-05	3.95	**Arid3a**	AT rich interactive domain 3A (BRIGHT-like)
A_30_P01023772	0.000118	3.95		
A_55_P2086605	1.89E-07	3.95	**Gpr137c**	G protein-coupled receptor 137C
A_55_P1993544	2.17E-08	3.94	**Polr2h**	polymerase (RNA) II (DNA directed) polypeptide H
A_52_P360112	5.61E-05	3.94	**Clip2**	CAP-GLY domain containing linker protein 2
A_66_P108733	2.11E-06	3.94		
A_51_P123676	5.93E-05	3.94	**Synpo**	synaptopodin
A_30_P01031858	0.000257	3.94		
A_51_P211854	6.41E-06	3.94	**Selp**	selectin, platelet
A_51_P115005	2.91E-05	3.93	**Edn1**	endothelin 1
A_51_P262208	3.69E-05	3.93	**Itgb2**	integrin beta 2
A_30_P01033499	4.30E-08	3.93		
A_55_P1998169	7.90E-05	3.93	**Spef2**	sperm flagellar 2
A_51_P111532	5.26E-05	3.93	**Ubash3a**	ubiquitin associated and SH3 domain containing, A
A_55_P1954092	5.71E-07	3.93	**LOC100503637**	envelope glycoprotein-like
A_66_P111426	2.13E-07	3.93	**Lce1a2**	late cornified envelope 1A2
A_51_P239203	2.64E-06	3.93	**Mapk13**	mitogen-activated protein kinase 13
A_30_P01028123	0.002033	3.93		
A_55_P2088497	8.24E-06	3.92	**LOC641235**	h-2 class I histocompatibility antigen, D-37 alpha chain-like
A_51_P269687	0.000286	3.92	**Pole2**	polymerase (DNA directed), epsilon 2 (p59 subunit)
A_30_P01027773	3.08E-06	3.92		
A_30_P01018496	2.92E-08	3.92		
A_30_P01021878	0.003986	3.92		
A_52_P75465	0.000696	3.92	**Gdpd1**	glycerophosphodiester phosphodiesterase domain containing 1
A_55_P1979526	0.000223	3.92	**Cdkn2b**	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
A_55_P2125491	2.03E-05	3.92	**Tnfrsf4**	tumor necrosis factor receptor superfamily, member 4
A_52_P433828	1.06E-05	3.92	**Tctn3**	tectonic family member 3
A_51_P117165	1.17E-05	3.92		
A_55_P1978905	5.68E-08	3.91	**Rpl26-ps2**	ribosomal protein L26, pseudogene 2
A_55_P1990324	0.000102	3.91	**Ptprc**	protein tyrosine phosphatase, receptor type, C
A_55_P2121364	5.27E-09	3.91	**Tdg**	thymine DNA glycosylase
A_51_P293781	9.42E-06	3.91	**Fkbp1b**	FK506 binding protein 1b
A_55_P1974088	1.49E-05	3.91	**Stard6**	StAR-related lipid transfer (START) domain containing 6
A_30_P01024960	0.001656	3.91		
A_51_P419246	0.00178	3.91	**5830416P10Rik**	RIKEN cDNA 5830416P10 gene
A_66_P134441	1.18E-05	3.91	**Pcnxl3**	pecanex-like 3 (Drosophila)
A_55_P2368098	3.58E-07	3.91	**1110002J07Rik**	RIKEN cDNA 1110002J07 gene
A_51_P115005	9.06E-05	3.90	**Edn1**	endothelin 1
A_55_P1990633	6.47E-05	3.90	**Iigp1**	interferon inducible GTPase 1
A_30_P01031588	9.85E-06	3.90		
A_66_P112305	0.000381	3.90	**Myo1f**	myosin IF
A_66_P137605	8.14E-07	3.90	**E330016A19Rik**	RIKEN cDNA E330016A19 gene
A_55_P2002460	1.33E-05	3.90		
A_30_P01027577	0.000325	3.90		
A_55_P2009882	8.05E-05	3.90	**Ccbe1**	collagen and calcium binding EGF domains 1

A_30_P01022046	3.02E-05	3.90		
A_51_P110888	1.19E-05	3.89	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_55_P2290388	6.16E-06	3.89	**Rorb**	RAR-related orphan receptor beta
A_51_P507242	6.27E-05	3.89	**Fosl2**	fos-like antigen 2
A_55_P2400101	0.00017	3.89	**4933430A20Rik**	RIKEN cDNA 4933430A20 gene
A_55_P2148748	1.31E-05	3.89	**Dclk1**	doublecortin-like kinase 1
A_51_P361830	0.000146	3.89	**Lgi2**	leucine-rich repeat LGI family, member 2
A_52_P30989	6.21E-05	3.89	**Cdkn3**	cyclin-dependent kinase inhibitor 3
A_30_P01023635	1.37E-07	3.89		
A_30_P01022390	0.000212	3.89		
A_55_P2105271	8.07E-06	3.89	**Pdlim7**	PDZ and LIM domain 7
A_30_P01024472	3.94E-05	3.89		
A_52_P150114	1.02E-08	3.88		
A_52_P467389	8.41E-05	3.88	**Slc15a3**	solute carrier family 15, member 3
A_30_P01021341	7.67E-05	3.88		
A_51_P128575	1.14E-05	3.87	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_51_P430766	6.96E-05	3.87	**Il10**	interleukin 10
A_51_P286665	6.97E-05	3.87	**Rbl1**	retinoblastoma-like 1 (p107)
A_51_P115005	0.000107	3.87	**Edn1**	endothelin 1
A_52_P75348	0.000784	3.86	**Ccdc99**	coiled-coil domain containing 99
A_30_P01032985	3.66E-05	3.86		
A_55_P2105517	2.52E-06	3.86		
A_55_P2003043	7.74E-05	3.86	**P4ha1**	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide
A_55_P2114903	0.000727	3.86		
A_52_P214630	4.21E-07	3.86	**Sox9**	SRY-box containing gene 9
A_55_P1985351	2.29E-05	3.86	**Slc35f2**	solute carrier family 35, member F2
A_55_P2081437	4.51E-08	3.86		
A_55_P1993940	2.59E-05	3.86	**Sh3bgrl3**	SH3 domain binding glutamic acid-rich protein-like 3
A_30_P01029874	4.88E-05	3.86		
A_30_P01022129	1.59E-05	3.86		
A_55_P2020338	1.67E-05	3.85	**Scml4**	sex comb on midleg-like 4 (Drosophila)
A_30_P01031419	5.52E-07	3.85		
A_66_P100586	0.000338	3.85		
A_51_P115005	1.34E-05	3.85	**Edn1**	endothelin 1
A_51_P139108	0.004131	3.85	**Cpxm1**	carboxypeptidase X 1 (M14 family)
A_55_P2132888	0.000314	3.85		
A_52_P423810	0.001383	3.85		
A_55_P2038007	8.71E-07	3.85	**Csrp1**	cysteine and glycine-rich protein 1
A_55_P2141943	4.42E-07	3.85		
A_51_P100298	9.91E-05	3.85	**Stx3**	syntaxin 3
A_55_P1999167	5.19E-06	3.84	**LOC546061**	interferon-induced protein 75-like
A_55_P1988183	0.000108	3.84	**Cdkn2b**	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
A_55_P2137319	3.90E-06	3.84		
A_51_P207591	0.003938	3.84	**Anxa8**	annexin A8
A_52_P214630	1.29E-06	3.84	**Sox9**	SRY-box containing gene 9
A_30_P01022708	5.01E-05	3.84		
A_55_P1985181	2.02E-06	3.83		
A_51_P275751	6.78E-07	3.83	**D17H6S53E**	DNA segment, Chr 17, human D6S53E
A_51_P458584	0.000229	3.83	**Fpr-rs3**	formyl peptide receptor, related sequence 3
A_55_P2410304	7.47E-05	3.83	**Iigp1**	interferon inducible GTPase 1
A_51_P237865	0.000145	3.83	**Il4**	interleukin 4
A_55_P2117710	4.36E-05	3.83	**Snhg1**	small nucleolar RNA host gene (non-protein coding) 1
A_52_P214630	2.28E-06	3.83	**Sox9**	SRY-box containing gene 9
A_55_P2026054	1.75E-06	3.83	**Usp37**	ubiquitin specific peptidase 37
A_55_P2075065	2.01E-08	3.82	**Gm10471**	predicted gene 10471
A_52_P214630	4.01E-06	3.82	**Sox9**	SRY-box containing gene 9
A_55_P2065899	0.000155	3.82	**Sebox**	SEBOX homeobox
A_66_P110167	0.000381	3.82	**Trim38**	tripartite motif-containing 38
A_51_P501453	0.001177	3.82	**Ms4a8a**	membrane-spanning 4-domains, subfamily A, member 8A
A_30_P01032725	0.001906	3.82		
A_30_P01032050	0.00016	3.82		
A_55_P2037930	1.73E-10	3.82		
A_55_P2050453	0.000955	3.81	**Hemt1**	hematopoietic cell transcript 1
A_55_P2049567	1.33E-06	3.81		
A_55_P2031272	0.000221	3.81	**Lhx3**	LIM homeobox protein 3
A_30_P01030620	2.43E-05	3.81		
A_55_P2017491	5.44E-06	3.81	**Rbm43**	RNA binding motif protein 43
A_55_P2227335	4.53E-05	3.81	**Ptpre**	protein tyrosine phosphatase, receptor type, E
A_52_P214630	3.75E-06	3.81	**Sox9**	SRY-box containing gene 9
A_30_P01021879	0.000113	3.81		
A_55_P2070843	7.18E-06	3.81		
A_30_P01026178	3.44E-05	3.81		
A_55_P2120843	1.46E-06	3.81		
A_55_P2026848	0.000189	3.80	**Trim72**	tripartite motif-containing 72
A_30_P01029479	0.005417	3.80		
A_55_P2048279	7.08E-07	3.80	**Tlr13**	toll-like receptor 13
A_51_P105709	6.46E-06	3.80	**Trip13**	thyroid hormone receptor interactor 13
A_66_P105689	0.00015	3.80	**Trim34a**	tripartite motif-containing 34A
A_55_P2030721	0.000234	3.80	**Ankle1**	ankyrin repeat and LEM domain containing 1
A_30_P01022344	1.52E-06	3.80		
A_30_P01022352	6.68E-05	3.80		
A_52_P51429	0.000286	3.79	**Dennd1c**	DENN/MADD domain containing 1C
A_55_P2083411	8.84E-06	3.79	**Cyp4f18**	cytochrome P450, family 4, subfamily f, polypeptide 18
A_51_P181517	7.21E-05	3.79	**Fcgr4**	Fc receptor, IgG, low affinity IV
A_30_P01019072	0.00118	3.79		
A_55_P1960936	1.66E-07	3.79		
A_51_P140237	8.95E-06	3.79	**Fhl2**	four and a half LIM domains 2
A_55_P2178784	8.75E-05	3.79		
A_55_P2055487	2.66E-05	3.79	**Parp3**	poly (ADP-ribose) polymerase family, member 3
A_30_P01026001	1.76E-05	3.79		
A_51_P208152	0.001364	3.79	**3930402G23Rik**	RIKEN cDNA 3930402G23 gene
A_55_P2029051	0.000128	3.79	**Fgd3**	FYVE, RhoGEF and PH domain containing 3
A_55_P2012679	5.59E-06	3.79	**Kcnh8**	potassium voltage-gated channel, subfamily H (eag-related), member 8
A_51_P237865	0.000218	3.79	**Il4**	interleukin 4
A_55_P2037186	2.21E-08	3.79	**Alkbh2**	alkB, alkylation repair homolog 2 (E. coli)

A_30_P01018948	6.68E-06	3.79		
A_55_P2059854	2.74E-05	3.78	**Cd101**	CD101 antigen
A_51_P195506	6.57E-06	3.78	**Csf1**	colony stimulating factor 1 (macrophage)
A_30_P01022908	4.39E-07	3.78		
A_55_P2034663	0.000116	3.78	**Csf2rb2**	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)
A_66_P111011	1.49E-06	3.78	**Gata3**	GATA binding protein 3
A_55_P2107785	3.48E-06	3.78		
A_30_P01031278	1.57E-05	3.78		
A_51_P115005	4.54E-05	3.77	**Edn1**	endothelin 1
A_55_P2178653	0.002251	3.77		
A_55_P2027022	6.10E-05	3.77	**Prdm1**	PR domain containing 1, with ZNF domain
A_30_P01021258	7.67E-07	3.77		
A_55_P2085060	3.56E-05	3.77	**Vgf**	VGF nerve growth factor inducible
A_51_P427663	1.95E-05	3.77	**Cnn2**	calponin 2
A_30_P01029438	1.97E-05	3.77		
A_55_P1969058	0.000118	3.77	**Epha7**	Eph receptor A7
A_55_P2110758	0.000309	3.76	**B430306N03Rik**	RIKEN cDNA B430306N03 gene
A_55_P1999972	0.000166	3.76	**Gm3366**	predicted gene 3366
A_52_P555235	0.000184	3.76	**Rgs19**	regulator of G-protein signaling 19
A_30_P01021701	1.34E-05	3.76		
A_55_P2032723	0.000333	3.76	**Dnajc10**	DnaJ (Hsp40) homolog, subfamily C, member 10
A_52_P100381	1.02E-06	3.76	**Zbtb42**	zinc finger and BTB domain containing 42
A_55_P1955548	6.82E-06	3.76	**Ezr**	ezrin
A_51_P251357	1.23E-05	3.76	**Ctps**	cytidine 5'-triphosphate synthase
A_55_P2118674	2.10E-05	3.76	**Tnip1**	TNFAIP3 interacting protein 1
A_51_P211854	1.03E-05	3.76	**Selp**	selectin, platelet
A_30_P01029907	1.29E-05	3.76		
A_55_P2105262	0.00046	3.76		
A_52_P343856	9.92E-07	3.75	**Creb3l2**	cAMP responsive element binding protein 3-like 2
A_30_P01023726	1.41E-06	3.75		
A_55_P2142172	1.19E-08	3.75	**Olfr1229**	olfactory receptor 1229
A_51_P105709	2.66E-05	3.75	**Trip13**	thyroid hormone receptor interactor 13
A_51_P266248	8.03E-05	3.75		
A_51_P196973	9.24E-05	3.75	**Chaf1a**	chromatin assembly factor 1, subunit A (p150)
A_51_P207591	0.004583	3.75	**Anxa8**	annexin A8
A_30_P01029869	0.000906	3.75		
A_51_P114062	3.46E-05	3.75	**Ncs1**	neuronal calcium sensor 1
A_51_P114062	3.17E-06	3.75	**Ncs1**	neuronal calcium sensor 1
A_51_P211854	1.03E-05	3.74	**Selp**	selectin, platelet
A_30_P01025507	5.21E-09	3.74		
A_51_P210956	0.000212	3.74	**Vcam1**	vascular cell adhesion molecule 1
A_30_P01022430	2.91E-05	3.74		
A_51_P207591	0.002399	3.74	**Anxa8**	annexin A8
A_30_P01031197	2.27E-05	3.74		
A_52_P42245	5.12E-06	3.74	**Klrb1a**	killer cell lectin-like receptor subfamily B member 1A
A_30_P01020672	0.000252	3.74		
A_30_P01020827	1.88E-08	3.74		
A_55_P1978201	3.32E-05	3.74	**Incenp**	inner centromere protein
A_51_P195506	9.31E-06	3.74	**Csf1**	colony stimulating factor 1 (macrophage)
A_51_P267314	0.000766	3.74	**Tbc1d10c**	TBC1 domain family, member 10c
A_51_P319022	0.003358	3.74	**Cxcr3**	chemokine (C-X-C motif) receptor 3
A_30_P01031568	0.000198	3.74		
A_55_P2115136	0.000589	3.74	**4632428N05Rik**	RIKEN cDNA 4632428N05 gene
A_30_P01033359	0.002023	3.73		
A_55_P2007196	1.41E-06	3.73	**Aldoa**	aldolase A, fructose-bisphosphate
A_66_P124677	0.000105	3.73	**Ipcef1**	interaction protein for cytohesin exchange factors 1
A_51_P212038	7.81E-06	3.73	**Atp6v0e2**	ATPase, H+ transporting, lysosomal V0 subunit E2
A_55_P2118675	2.19E-05	3.73	**Tnip1**	TNFAIP3 interacting protein 1
A_55_P2081283	0.004275	3.73	**Dlx4**	distal-less homeobox 4
A_51_P133137	0.000246	3.73	**Kif20a**	kinesin family member 20A
A_30_P01027010	0.001794	3.73		
A_52_P179785	0.000309	3.73	**Ripk2**	receptor (TNFRSF)-interacting serine-threonine kinase 2
A_30_P01023736	0.000541	3.73		
A_51_P211854	1.07E-05	3.73	**Selp**	selectin, platelet
A_30_P01031780	8.28E-07	3.73		
A_55_P2180861	3.42E-06	3.73		
A_55_P1958400	2.54E-05	3.73	**LOC236220**	hypothetical protein LOC236220
A_30_P01030450	0.000579	3.73		
A_30_P01023905	9.51E-08	3.72		
A_55_P2052563	0.000327	3.72	**Id1**	inhibitor of DNA binding 1
A_51_P128575	7.14E-08	3.72	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_55_P1966352	6.45E-05	3.72		
A_51_P195506	4.24E-06	3.72	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2130834	2.42E-07	3.71		
A_30_P01027712	6.68E-06	3.71		
A_30_P01027623	0.00175	3.71		
A_52_P56682	8.53E-05	3.71	**Sla2**	Src-like-adaptor 2
A_52_P491544	8.01E-05	3.71	**Nedd9**	neural precursor cell expressed, developmentally down-regulated gene 9
A_55_P1953087	1.16E-05	3.71	**Mcm3**	minichromosome maintenance deficient 3 (S. cerevisiae)
A_55_P2046348	1.45E-05	3.71	**Itpripl2**	inositol 1,4,5-triphosphate receptor interacting protein-like 2
A_55_P2099418	5.98E-07	3.71	**Neil2**	nei like 2 (E. coli)
A_55_P1971679	1.05E-05	3.71		
A_52_P578043	2.60E-05	3.71		
A_51_P211854	1.53E-05	3.71	**Selp**	selectin, platelet
A_52_P476189	1.53E-05	3.70	**Gm3604**	predicted gene 3604
A_51_P316042	0.00036	3.70	**Card11**	caspase recruitment domain family, member 11
A_55_P2128668	0.001823	3.70	**Ccnb1**	cyclin B1
A_30_P01020587	2.62E-06	3.70		
A_30_P01018098	5.46E-05	3.70		
A_52_P216672	0.000432	3.70	**Klk8**	kallikrein related-peptidase 8
A_51_P100298	1.50E-05	3.70	**Stx3**	syntaxin 3
A_51_P237865	0.00013	3.70	**Il4**	interleukin 4
A_55_P2230913	7.42E-06	3.70	**Etv6**	ets variant gene 6 (TEL oncogene)
A_51_P237865	0.000842	3.70	**Il4**	interleukin 4
A_55_P2126925	9.44E-06	3.70	**5730528L13Rik**	RIKEN cDNA 5730528L13 gene

A_55_P1957478	1.29E-05	3.70		
A_30_P01021524	2.47E-07	3.70		
A_52_P214630	1.03E-05	3.70	**Sox9**	SRY-box containing gene 9
A_52_P214630	4.93E-06	3.69	**Sox9**	SRY-box containing gene 9
A_51_P115005	1.65E-05	3.69	**Edn1**	endothelin 1
A_55_P2023384	2.77E-07	3.69		
A_30_P01023359	3.75E-05	3.69		
A_66_P135885	0.001743	3.69	**Olfr671**	olfactory receptor 671
A_55_P2022258	2.42E-05	3.69	**LOC100046023**	t-cell receptor alpha chain V region CTL-L17-like
A_51_P275949	0.000173	3.69	**Loxl2**	lysyl oxidase-like 2
A_55_P2182358	8.94E-05	3.69	**Arid3a**	AT rich interactive domain 3A (BRIGHT-like)
A_30_P01024606	8.02E-06	3.69		
A_51_P293982	0.000541	3.69	**Plekho2**	pleckstrin homology domain containing, family O member 2
A_52_P250555	1.32E-06	3.68	**Dynll1**	dynein light chain LC8-type 1
A_30_P01030798	0.000453	3.68		
A_55_P2032703	7.77E-05	3.68	**Foxp3**	forkhead box P3
A_55_P2132697	7.89E-05	3.68		
A_55_P2040743	4.04E-05	3.68	**Zwilch**	Zwilch, kinetochore associated, homolog (Drosophila)
A_51_P100298	0.000509	3.68	**Stx3**	syntaxin 3
A_55_P2117243	4.89E-07	3.68	**LOC633387**	nucleophosmin-like
A_55_P2151956	0.00283	3.68		
A_52_P31814	2.19E-06	3.68	**1110038B12Rik**	RIKEN cDNA 1110038B12 gene
A_55_P2089530	6.90E-08	3.68	**Fkbp10**	FK506 binding protein 10
A_55_P2013326	3.12E-05	3.68	**Gm9573**	predicted gene 9573
A_30_P01026617	0.000338	3.67		
A_30_P01023511	4.41E-05	3.67		
A_55_P2164139	2.40E-07	3.67		
A_55_P2002657	2.80E-07	3.67	**Trim46**	tripartite motif-containing 46
A_55_P1960049	6.75E-08	3.67	**2810408A11Rik**	RIKEN cDNA 2810408A11 gene
A_30_P01020009	2.42E-06	3.67		
A_51_P412835	8.61E-05	3.67	**Daxx**	Fas death domain-associated protein
A_55_P2078433	0.000346	3.67	**Mcoln2**	mucolipin 2
A_30_P01025311	2.97E-05	3.67		
A_55_P2092717	1.95E-06	3.66	**Trim43b**	tripartite motif-containing 43B
A_66_P138053	3.50E-05	3.66		
A_30_P01023161	7.79E-07	3.66		
A_30_P01031604	1.09E-06	3.66		
A_51_P296608	3.24E-05	3.66	**Gadd45a**	growth arrest and DNA-damage-inducible 45 alpha
A_55_P2109655	0.000211	3.66		
A_55_P2127977	2.47E-07	3.66		
A_55_P2047024	0.000159	3.66		
A_52_P76034	1.02E-08	3.66	**Rcc2**	regulator of chromosome condensation 2
A_51_P240723	6.77E-07	3.66	**1700022A21Rik**	glycerol-3-phosphate dehydrogenase 1-like pseudogene
A_55_P2026688	2.06E-05	3.66		
A_66_P123683	4.69E-09	3.66	**Obfc2a**	oligonucleotide/oligosaccharide-binding fold containing 2A
A_55_P2087295	2.05E-05	3.65	**Gm4022**	predicted gene 4022
A_30_P01022014	3.18E-07	3.65		
A_55_P2022241	0.000247	3.65	**Uncx**	UNC homeobox
A_55_P1991605	0.000265	3.65	**Aplp1**	amyloid beta (A4) precursor-like protein 1
A_51_P114634	0.001001	3.65	**Amz1**	archaelysin family metallopeptidase 1
A_52_P490071	8.75E-06	3.65	**Olfr810**	olfactory receptor 810
A_55_P2005605	6.58E-07	3.65	**Olfr576**	olfactory receptor 576
A_55_P1975330	4.44E-07	3.65		
A_52_P538470	0.000237	3.65	**Spats2l**	spermatogenesis associated, serine-rich 2-like
A_51_P432199	4.85E-05	3.65	**Sap30**	sin3 associated polypeptide
A_30_P01030674	4.01E-08	3.64		
A_66_P104554	0.000163	3.64	**Inpp1**	inositol polyphosphate-1-phosphatase
A_55_P2202539	5.65E-07	3.64	**BC028789**	cDNA sequence BC028789
A_55_P2026734	0.000275	3.64	**Rgs4**	regulator of G-protein signaling 4
A_30_P01028909	6.78E-07	3.64		
A_55_P2079855	3.38E-08	3.64	**Prl6a1**	prolactin family 6, subfamily a, member 1
A_55_P2054280	1.07E-07	3.64	**Fam178b**	family with sequence similarity 178, member B
A_52_P463977	1.07E-05	3.64	**Tmem140**	transmembrane protein 140
A_30_P01024734	0.000611	3.64		
A_55_P2126269	0.00022	3.63	**Nmb**	neuromedin B
A_30_P01029703	9.94E-07	3.63		
A_55_P2101857	3.81E-06	3.63		
A_51_P331809	5.13E-06	3.63	**Tcl1b4**	T-cell leukemia/lymphoma 1B, 4
A_51_P392776	0.000463	3.63	**Eml6**	echinoderm microtubule associated protein like 6
A_30_P01025657	3.03E-05	3.63		
A_55_P2006366	5.99E-07	3.63		
A_30_P01030126	3.29E-06	3.63		
A_55_P1968340	0.000206	3.63	**Plekhh1**	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1
A_55_P2090050	2.34E-08	3.63		
A_30_P01018032	0.000438	3.63		
A_52_P513177	8.15E-05	3.62	**Sla**	src-like adaptor
A_55_P2183955	3.01E-07	3.62	**Olfr97**	olfactory receptor 97
A_51_P128575	1.01E-05	3.62	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_30_P01022622	7.17E-05	3.62		
A_55_P2275402	0.000221	3.62	**9330177L23Rik**	RIKEN cDNA 9330177L23 gene
A_51_P270519	0.001006	3.62	**Apitd1**	apoptosis-inducing, TAF9-like domain 1
A_30_P01032988	1.06E-07	3.62		
A_55_P2114994	8.16E-06	3.62		
A_55_P1958457	6.35E-06	3.62	**Nbeal2**	neurobeachin-like 2
A_51_P120589	0.000436	3.62	**Olfr181**	olfactory receptor 181
A_51_P324742	3.42E-05	3.62	**1700013G24Rik**	RIKEN cDNA 1700013G24 gene
A_51_P128575	1.38E-06	3.61	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_52_P303891	0.002659	3.61	**Nr1d2**	nuclear receptor subfamily 1, group D, member 2
A_51_P286748	0.000141	3.61	**Frzb**	frizzled-related protein
A_55_P2214348	0.00063	3.61	**4930469K13Rik**	RIKEN cDNA 4930469K13 gene
A_55_P2086933	0.000301	3.60	**Gm4368**	predicted gene 4368
A_52_P222230	1.14E-05	3.60		
A_55_P2037072	1.34E-06	3.60	**Zfp600**	zinc finger protein 600
A_30_P01031072	0.000108	3.60		
A_52_P207509	2.33E-05	3.60	**C230081A13Rik**	RIKEN cDNA C230081A13 gene

A_52_P632742	1.10E-05	3.60	**Shisa5**	shisa homolog 5 (Xenopus laevis)
A_55_P1966445	1.72E-06	3.60	**Krt81**	keratin 81
A_52_P219089	3.26E-05	3.60		
A_52_P398211	1.65E-07	3.60		
A_52_P496956	0.00185	3.60	**Acsbg1**	acyl-CoA synthetase bubblegum family member 1
A_30_P01019435	2.65E-05	3.60		
A_55_P2080268	0.00047	3.60		
A_55_P2064741	6.27E-05	3.59	**Nmb**	neuromedin B
A_51_P310896	1.95E-07	3.59	**Pfkl**	phosphofructokinase, liver, B-type
A_55_P1967186	6.41E-07	3.59	**Gm4633**	predicted gene 4633
A_55_P2125229	1.70E-05	3.59	**Arhgef2**	rho/rac guanine nucleotide exchange factor (GEF) 2
A_51_P254646	5.65E-05	3.59	**Jdp2**	Jun dimerization protein 2
A_66_P121059	0.001325	3.59	**Mirg**	miRNA containing gene
A_55_P2391674	2.85E-06	3.59	**4931407E12Rik**	RIKEN cDNA 4931407E12 gene
A_55_P2008497	1.46E-07	3.59		
A_30_P01031310	1.73E-05	3.59		
A_51_P427530	8.66E-08	3.59	**Pgm1**	phosphoglucomutase 1
A_30_P01019221	4.18E-05	3.59		
A_55_P1991016	9.36E-05	3.59	**Basp1**	brain abundant, membrane attached signal protein 1
A_55_P2137867	1.21E-07	3.58	**Mpp3**	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)
A_55_P2118067	1.08E-09	3.58	**4930404H24Rik**	RIKEN cDNA 4930404H24 gene
A_30_P01025575	4.33E-07	3.58		
A_55_P2085181	1.29E-06	3.58	**Chaf1b**	chromatin assembly factor 1, subunit B (p60)
A_30_P01024154	0.000405	3.58		
A_30_P01031022	0.000677	3.58		
A_55_P1980401	0.000704	3.58	**Cbx7**	chromobox homolog 7
A_30_P01032889	3.94E-06	3.58		
A_52_P416327	0.00037	3.57	**Cd226**	CD226 antigen
A_55_P1959550	9.00E-08	3.57	**Rltpr**	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing
A_30_P01031925	4.55E-06	3.57		
A_55_P2380033	5.42E-07	3.57	**4933433H22Rik**	RIKEN cDNA 4933433H22 gene
A_55_P2094064	7.67E-05	3.57		
A_51_P207591	0.005838	3.57	**Anxa8**	annexin A8
A_51_P111164	0.001324	3.57	**Rnd1**	Rho family GTPase 1
A_66_P108474	3.87E-09	3.57		
A_55_P2408355	3.58E-05	3.57	**BB166591**	expressed sequence BB166591
A_55_P2183217	2.77E-07	3.57		
A_66_P133993	1.17E-08	3.57	**Gm5093**	predicted gene 5093
A_51_P195506	4.00E-06	3.57	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2162543	2.75E-05	3.57		
A_55_P2163263	2.27E-06	3.57		
A_30_P01018862	3.80E-06	3.57		
A_30_P01032721	8.52E-07	3.57		
A_55_P1987914	4.21E-06	3.56	**Map4k4**	mitogen-activated protein kinase kinase kinase kinase 4
A_55_P2002585	5.42E-07	3.56		
A_52_P178904	0.000134	3.56	**Seh1l**	SEH1-like (S. cerevisiae
A_55_P2075429	1.25E-06	3.56	**Ttll4**	tubulin tyrosine ligase-like family, member 4
A_55_P1967840	1.19E-05	3.56	**Kctd10**	potassium channel tetramerisation domain containing 10
A_55_P2103284	1.79E-06	3.56	**Twf2**	twinfilin, actin-binding protein, homolog 2 (Drosophila)
A_52_P559919	0.000143	3.56	**Eif2ak2**	eukaryotic translation initiation factor 2-alpha kinase 2
A_66_P112461	1.95E-08	3.56		
A_51_P324535	0.000305	3.56	**B4galt5**	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5
A_30_P01032470	0.001142	3.56		
A_55_P2148041	0.000101	3.56		
A_55_P2140843	1.96E-09	3.56		
A_51_P275268	7.01E-05	3.56	**4933421I07Rik**	RIKEN cDNA 4933421I07 gene
A_51_P195506	5.32E-06	3.56	**Csf1**	colony stimulating factor 1 (macrophage)
A_51_P363642	1.71E-06	3.55	**1700088E04Rik**	RIKEN cDNA 1700088E04 gene
A_66_P128909	1.81E-05	3.55	**Numbl**	numb-like
A_55_P2055819	9.54E-10	3.55	**Adam15**	a disintegrin and metallopeptidase domain 15 (metargidin)
A_55_P2000039	2.71E-06	3.55	**Prf1**	perforin 1 (pore forming protein)
A_55_P2081530	1.42E-05	3.55	**Sh3bgrl3**	SH3 domain binding glutamic acid-rich protein-like 3
A_55_P2092526	7.65E-05	3.55	**Tgif1**	TGFB-induced factor homeobox 1
A_55_P1979639	0.002504	3.55		
A_55_P2057283	0.003551	3.55		
A_55_P2383248	4.96E-05	3.55	**4930422N03Rik**	RIKEN cDNA 4930422N03 gene
A_55_P2102833	8.76E-07	3.55		
A_52_P185343	4.62E-05	3.55		
A_52_P214630	1.25E-05	3.55	**Sox9**	SRY-box containing gene 9
A_30_P01026072	0.000385	3.55		
A_30_P01019506	8.60E-05	3.55		
A_55_P2148504	1.78E-07	3.55	**Krt2**	keratin 2
A_55_P1974432	2.11E-05	3.55	**Gm5067**	predicted gene 5067
A_30_P01030215	1.73E-06	3.55		
A_52_P597461	0.000112	3.54	**Skil**	SKI-like
A_51_P399845	6.51E-06	3.54	**Fgf2**	fibroblast growth factor 2
A_65_P05396	6.90E-05	3.54	**Rad18**	RAD18 homolog (S. cerevisiae)
A_51_P195506	2.03E-05	3.54	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2140870	1.60E-07	3.53	**Gm6034**	predicted gene 6034
A_55_P2074591	4.28E-06	3.53	**Ppm1h**	protein phosphatase 1H (PP2C domain containing)
A_55_P2069221	0.000607	3.53	**Prr11**	proline rich 11
A_52_P81478	0.000227	3.53	**Ttc26**	tetratricopeptide repeat domain 26
A_55_P1994284	4.05E-06	3.53	**Catsper4**	cation channel, sperm associated 4
A_55_P2067425	2.29E-05	3.53	**Dpf1**	D4, zinc and double PHD fingers family 1
A_52_P233811	0.000559	3.53	**B430306N03Rik**	RIKEN cDNA B430306N03 gene
A_30_P01028208	2.40E-06	3.53		
A_55_P2014259	6.87E-07	3.53	**Zfp82**	zinc finger protein 82
A_55_P2192819	0.00023	3.53	**BB157357**	expressed sequence BB157357
A_55_P2074631	7.43E-06	3.52	**Cpeb1**	cytoplasmic polyadenylation element binding protein 1
A_30_P01026507	6.63E-10	3.52		
A_30_P01029444	8.76E-05	3.52		
A_55_P2068663	9.20E-05	3.52	**Stmn1**	stathmin 1
A_30_P01019417	2.19E-06	3.52		
A_52_P375312	1.38E-07	3.52	**Amica1**	adhesion molecule, interacts with CXADR antigen 1
A_51_P301394	6.52E-07	3.52	**Gspt2**	G1 to S phase transition 2

A_55_P1966838	3.36E-05	3.52	**Xaf1**	XIAP associated factor 1
A_55_P2034864	1.08E-05	3.52	**Tubb2b**	tubulin, beta 2B
A_51_P195506	5.18E-06	3.52	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2054435	5.69E-06	3.52	**Ttpal**	tocopherol (alpha) transfer protein-like
A_55_P2034227	3.95E-05	3.52		
A_51_P227662	0.001522	3.52	**Dnahc7b**	dynein, axonemal, heavy chain 7B
A_51_P224980	6.85E-05	3.52	**BC027231**	cDNA sequence BC027231
A_30_P01018566	0.000398	3.51		
A_55_P2003996	0.00018	3.51	**H2-T24**	histocompatibility 2, T region locus 24
A_55_P2081616	1.54E-07	3.51	**Timeless**	timeless homolog (Drosophila)
A_30_P01027468	0.000178	3.51		
A_66_P134428	0.003657	3.51	**Sfrp1**	secreted frizzled-related protein 1
A_55_P1979341	2.39E-05	3.51	**Cyba**	cytochrome b-245, alpha polypeptide
A_30_P01032259	6.64E-07	3.51		
A_51_P276479	0.000512	3.51	**4930486L24Rik**	RIKEN cDNA 4930486L24 gene
A_66_P133328	4.28E-09	3.51	**Tpd52**	tumor protein D52
A_51_P279955	5.77E-06	3.51	**E330017A01Rik**	RIKEN cDNA E330017A01 gene
A_55_P2181216	1.37E-05	3.51		
A_51_P312121	1.42E-06	3.51	**Xdh**	xanthine dehydrogenase
A_51_P471659	0.002086	3.50	**Alox12e**	arachidonate lipoxygenase, epidermal
A_66_P111660	3.10E-07	3.50	**Mt1**	metallothionein 1
A_55_P2117380	4.94E-07	3.50	**Asb4**	ankyrin repeat and SOCS box-containing 4
A_30_P01032273	2.29E-05	3.50		
A_52_P214630	1.98E-06	3.50	**Sox9**	SRY-box containing gene 9
A_66_P118513	1.06E-06	3.50	**Sept11**	septin 11
A_30_P01024702	0.00012	3.50		
A_55_P2038252	2.19E-06	3.50	**Tyro3**	TYRO3 protein tyrosine kinase 3
A_30_P01027310	0.000916	3.50		
A_55_P2131060	0.000188	3.50	**9530053H05Rik**	RIKEN cDNA 9530053H05 gene
A_51_P460954	3.03E-05	3.50	**Ccl6**	chemokine (C-C motif) ligand 6
A_51_P195506	4.55E-06	3.50	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2052897	0.000128	3.50	**Arhgap30**	Rho GTPase activating protein 30
A_55_P2062314	1.41E-06	3.50	**2900041M22Rik**	RIKEN cDNA 2900041M22 gene
A_55_P2136612	3.60E-06	3.50		
A_30_P01033039	2.01E-05	3.50		
A_55_P2014665	0.000106	3.49	**Racgap1**	Rac GTPase-activating protein 1
A_30_P01023982	1.22E-05	3.49		
A_51_P324814	5.92E-07	3.49	**Krt18**	keratin 18
A_30_P01022964	2.17E-09	3.49		
A_51_P195506	6.47E-06	3.49	**Csf1**	colony stimulating factor 1 (macrophage)
A_30_P01028815	1.30E-05	3.49		
A_30_P01033134	0.001046	3.49		
A_55_P2167913	0.000444	3.49	**Dmd**	dystrophin, muscular dystrophy
A_51_P114634	0.001571	3.49	**Amz1**	archaelysin family metallopeptidase 1
A_55_P2099790	0.001599	3.49	**Nefh**	neurofilament, heavy polypeptide
A_55_P2021615	9.18E-08	3.48	**Gm13931**	predicted gene 13931
A_55_P2145224	0.006289	3.48		
A_55_P2004447	5.83E-07	3.48	**Fgl1**	fibrinogen-like protein 1
A_51_P215097	3.07E-06	3.48	**Klf16**	Kruppel-like factor 16
A_66_P135742	9.38E-09	3.48	**Wdr1**	WD repeat domain 1
A_30_P01031767	0.000646	3.48		
A_55_P2126281	7.62E-07	3.48		
A_55_P1994047	3.57E-05	3.48		
A_51_P223709	8.95E-06	3.48	**Pask**	PAS domain containing serine/threonine kinase
A_55_P2011436	4.01E-05	3.48	**Gm11223**	stathmin 1 pseudogene
A_55_P2142425	0.000989	3.48	**LOC100502708**	hypothetical LOC100502708
A_51_P211854	7.94E-05	3.48	**Selp**	selectin, platelet
A_66_P118906	3.68E-06	3.48	**Adora2b**	adenosine A2b receptor
A_51_P127681	4.31E-06	3.48	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2374337	0.000336	3.48	**A130071D04Rik**	RIKEN cDNA A130071D04 gene
A_55_P2184284	0.000126	3.48	**E230019M04Rik**	RIKEN cDNA E230019M04 gene
A_55_P2151601	0.000358	3.48	**Samd9l**	sterile alpha motif domain containing 9-like
A_55_P2066230	5.78E-05	3.47	**Hck**	hemopoietic cell kinase
A_30_P01017455	2.35E-07	3.47		
A_55_P2340101	9.61E-06	3.47	**BC062258**	cDNA sequence BC062258
A_55_P2304602	1.99E-06	3.47	**AA414903**	expressed sequence AA414903
A_55_P2108708	0.00029	3.47	**Kcne3**	potassium voltage-gated channel, Isk-related subfamily, gene 3
A_55_P2257251	3.40E-05	3.47	**4930455D15Rik**	RIKEN cDNA 4930455D15 gene
A_66_P110161	4.81E-08	3.46	**Eppk1**	epiplakin 1
A_55_P2429480	1.58E-05	3.46	**Atad2**	ATPase family, AAA domain containing 2
A_52_P214630	1.23E-06	3.46	**Sox9**	SRY-box containing gene 9
A_55_P2109782	0.000267	3.46	**Psg17**	pregnancy specific glycoprotein 17
A_55_P2108784	2.79E-05	3.46	**Arhgap22**	Rho GTPase activating protein 22
A_55_P2052062	0.00016	3.46	**Cd200**	CD200 antigen
A_30_P01021240	0.000637	3.46		
A_52_P99848	8.91E-06	3.46	**Pik3cd**	phosphatidylinositol 3-kinase catalytic delta polypeptide
A_55_P2024773	4.60E-07	3.45	**Rbl1**	retinoblastoma-like 1 (p107)
A_55_P2164977	1.92E-05	3.45		
A_30_P01024444	3.56E-07	3.45		
A_55_P2066543	1.83E-08	3.45	**Orai2**	ORAI calcium release-activated calcium modulator 2
A_55_P2152427	0.00031	3.45	**Zwilch**	Zwilch, kinetochore associated, homolog (Drosophila)
A_51_P114634	0.000787	3.45	**Amz1**	archaelysin family metallopeptidase 1
A_55_P2162797	2.64E-05	3.44		
A_30_P01031242	5.67E-06	3.44		
A_51_P455807	4.20E-05	3.44	**Ehd4**	EH-domain containing 4
A_52_P211223	0.000286	3.44	**Cdca2**	cell division cycle associated 2
A_55_P1974650	6.56E-06	3.44	**Npdc1**	neural proliferation, differentiation and control gene 1
A_55_P2180301	2.34E-05	3.44	**Clcn5**	chloride channel 5
A_51_P127681	2.02E-06	3.44	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2127357	1.05E-07	3.44		
A_52_P87964	2.37E-07	3.44	**Pla2g12a**	phospholipase A2, group XIIA
A_55_P2076253	7.06E-06	3.43		
A_55_P2130129	4.03E-06	3.43	**Kcnab1**	potassium voltage-gated channel, shaker-related subfamily, beta member 1
A_55_P2336173	0.003355	3.43	**Mirg**	miRNA containing gene
A_51_P113058	9.45E-06	3.43	**Olfr1131**	olfactory receptor 1131

A_51_P123510	0.001632	3.43	**Vmn1r58**	vomeronasal 1 receptor 58
A_55_P2138306	7.18E-05	3.43		
A_52_P279557	0.00079	3.43	**Fbxo40**	F-box protein 40
A_55_P2183884	0.005659	3.43	**Mc4r**	melanocortin 4 receptor
A_55_P2104343	0.000155	3.43	**Gm6420**	predicted gene 6420
A_55_P2258832	2.34E-05	3.43	**LOC100502767**	hypothetical LOC100502767
A_55_P2039622	0.000403	3.43	**Clec4a2**	C-type lectin domain family 4, member a2
A_51_P296866	1.41E-06	3.43	**Msi1**	Musashi homolog 1(Drosophila)
A_55_P2167776	6.90E-05	3.43	**Peci**	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase
A_55_P2183010	0.000295	3.43	**P2rx7**	purinergic receptor P2X, ligand-gated ion channel, 7
A_30_P01018532	2.27E-06	3.42		
A_55_P2161824	2.97E-08	3.42	**Arr3**	arrestin 3, retinal
A_55_P1976212	6.98E-06	3.42	**Selplg**	selectin, platelet (p-selectin) ligand
A_55_P2183692	0.000255	3.42	**Rgs19**	regulator of G-protein signaling 19
A_30_P01018924	1.01E-05	3.42		
A_55_P2023480	5.16E-10	3.42		
A_51_P127681	8.72E-07	3.42	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P1969977	0.000318	3.42	**Myo15**	myosin XV
A_55_P2164428	1.03E-05	3.42	**Cd27**	CD27 antigen
A_30_P01028161	0.000309	3.42		
A_55_P1955906	0.000137	3.41	**Stat1**	signal transducer and activator of transcription 1
A_52_P211185	5.79E-05	3.41	**Gnat1**	guanine nucleotide binding protein, alpha transducing 1
A_55_P2178583	4.87E-06	3.41		
A_30_P01028572	7.88E-05	3.41		
A_30_P01020103	4.48E-05	3.41		
A_51_P114634	0.001775	3.41	**Amz1**	archaelysin family metallopeptidase 1
A_52_P148289	4.52E-06	3.41	**D030028A08Rik**	RIKEN cDNA D030028A08 gene
A_55_P2128238	4.75E-05	3.41		
A_55_P1975475	3.96E-07	3.41	**Mdm2**	transformed mouse 3T3 cell double minute 2
A_55_P2184189	0.000143	3.41	**Ncf2**	neutrophil cytosolic factor 2
A_55_P2079860	2.01E-06	3.41	**Asap3**	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3
A_30_P01018376	1.37E-06	3.41		
A_51_P127681	3.41E-06	3.40	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P1960286	0.00221	3.40	**Spns3**	spinster homolog 3 (Drosophila)
A_55_P2043171	0.000575	3.40	**Lilra6**	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6
A_55_P2060991	3.09E-06	3.40	**BC005764**	cDNA sequence BC005764
A_51_P395373	5.84E-06	3.40	**Ptprt**	protein tyrosine phosphatase, receptor type, T
A_51_P317225	1.29E-05	3.40	**Cmtm2a**	CKLF-like MARVEL transmembrane domain containing 2A
A_52_P238902	5.33E-05	3.40	**1200011M11Rik**	RIKEN cDNA 1200011M11 gene
A_51_P285779	1.37E-05	3.40	**Asphd2**	aspartate beta-hydroxylase domain containing 2
A_55_P2093749	0.000415	3.40		
A_52_P577748	2.40E-05	3.40	**Lpxn**	leupaxin
A_51_P127681	3.79E-06	3.40	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_51_P203182	0.000388	3.40	**Apob48r**	apolipoprotein B48 receptor
A_51_P127681	2.04E-06	3.39	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P1985633	1.13E-05	3.39	**Lrp1**	low density lipoprotein receptor-related protein 1
A_30_P01023273	0.000925	3.39		
A_55_P2039061	0.000325	3.39	**9230105E10Rik**	RIKEN cDNA 9230105E10 gene
A_55_P2170681	0.000232	3.39	**Cdca8**	cell division cycle associated 8
A_55_P2174541	3.41E-05	3.39	**Dtx3l**	deltex 3-like (Drosophila)
A_30_P01025302	9.82E-06	3.39		
A_55_P2037827	8.91E-05	3.39	**Bmp10**	bone morphogenetic protein 10
A_30_P01018710	1.76E-06	3.39		
A_55_P2093665	1.28E-05	3.39		
A_51_P127681	2.74E-06	3.39	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2032718	0.000337	3.39	**Klra9**	killer cell lectin-like receptor subfamily A, member 9
A_66_P125925	1.83E-05	3.39	**Cntn2**	contactin 2
A_55_P2136813	7.68E-05	3.38		
A_55_P2170515	0.000507	3.38		
A_55_P1979616	2.92E-06	3.38	**Tmem189**	transmembrane protein 189
A_52_P604613	2.16E-05	3.38	**S1pr2**	sphingosine-1-phosphate receptor 2
A_55_P2019684	0.001751	3.38	**Bspry**	B-box and SPRY domain containing
A_52_P138110	1.97E-08	3.38	**1110032A03Rik**	RIKEN cDNA 1110032A03 gene
A_51_P114634	0.001559	3.38	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1962781	6.11E-05	3.38		
A_30_P01030772	4.62E-05	3.38		
A_55_P1986823	0.000202	3.38	**Gm8075**	predicted gene 8075
A_30_P01024370	1.45E-07	3.38		
A_55_P2046368	1.30E-05	3.38	**Mapkap1**	mitogen-activated protein kinase associated protein 1
A_55_P2130408	2.72E-05	3.38		
A_30_P01028550	3.73E-06	3.38		
A_51_P114634	0.002091	3.37	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1953819	0.000278	3.37	**Btk**	Bruton agammaglobulinemia tyrosine kinase
A_51_P128463	0.000102	3.37	**Grrp1**	glycine/arginine rich protein 1
A_66_P132218	2.14E-06	3.37	**Gm4430**	predicted gene 4430
A_30_P01030997	0.000255	3.37		
A_30_P01019001	6.49E-06	3.37		
A_51_P255456	0.000106	3.37	**Cyp1b1**	cytochrome P450, family 1, subfamily b, polypeptide 1
A_55_P2022778	9.00E-07	3.37	**Trpc2**	transient receptor potential cation channel, subfamily C, member 2
A_51_P320852	4.51E-05	3.37	**Cd9**	CD9 antigen
A_52_P552550	6.74E-05	3.37	**Agtrap**	angiotensin II, type I receptor-associated protein
A_55_P1964173	0.001041	3.36		
A_51_P325664	0.000427	3.36	**Olfr799**	olfactory receptor 799
A_51_P127681	8.51E-07	3.36	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_30_P01027955	0.00078	3.36		
A_55_P2178127	0.000258	3.36	**Sept1**	septin 1
A_30_P01020436	1.74E-05	3.36		
A_55_P2000688	2.06E-06	3.36	**Gm6958**	predicted gene 6958
A_30_P01019318	0.00021	3.36		
A_55_P2141479	0.000629	3.36	**Rnu2**	U2 small nuclear RNA
A_51_P208722	1.93E-05	3.36	**Gm7544**	predicted gene 7544
A_55_P2061909	2.89E-07	3.36	**Wbp5**	WW domain binding protein 5
A_51_P256246	1.26E-05	3.36	**Tspan13**	tetraspanin 13
A_55_P1957453	0.000198	3.35	**Best3**	bestrophin 3
A_55_P2021981	1.94E-05	3.35	**Ctsw**	cathepsin W

A_55_P2083889	3.73E-06	3.35	**Pea15a**	phosphoprotein enriched in astrocytes 15A
A_55_P2021099	2.01E-06	3.35	**Tmem181a**	transmembrane protein 181A
A_30_P01019999	0.000481	3.35		
A_55_P2131844	0.001197	3.35		
A_51_P401263	1.62E-05	3.35	**Eme1**	essential meiotic endonuclease 1 homolog 1 (S. pombe)
A_55_P1978465	5.25E-06	3.35	**H2-Q8**	histocompatibility 2, Q region locus 8
A_30_P01031323	1.06E-07	3.35		
A_55_P2034320	7.76E-05	3.35		
A_30_P01027502	7.46E-06	3.35		
A_30_P01022646	8.74E-07	3.35		
A_51_P127681	2.59E-06	3.35	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_30_P01032670	2.70E-05	3.34		
A_55_P2244871	0.001716	3.34	**AI574175**	expressed sequence AI574175
A_30_P01018161	1.96E-06	3.34		
A_51_P348280	1.23E-06	3.34	**Il17ra**	interleukin 17 receptor A
A_55_P2037066	5.39E-06	3.34	**Gm13138**	predicted gene 13138
A_55_P2100899	0.000131	3.34	**Arnt**	aryl hydrocarbon receptor nuclear translocator
A_55_P2075136	7.40E-05	3.34		
A_51_P114634	0.000914	3.34	**Amz1**	archaelysin family metallopeptidase 1
A_55_P2044468	2.32E-08	3.34	**4921513D23Rik**	RIKEN cDNA 4921513D23 gene
A_52_P89567	1.72E-05	3.34	**Rhob**	ras homolog gene family, member B
A_55_P2057336	2.29E-06	3.34		
A_55_P2122564	3.99E-05	3.34	**Dcp2**	DCP2 decapping enzyme homolog (S. cerevisiae)
A_51_P169714	9.60E-06	3.34	**Shc2**	SHC (Src homology 2 domain containing) transforming protein 2
A_52_P659762	0.000443	3.33	**Eid2**	EP300 interacting inhibitor of differentiation 2
A_51_P158018	0.001662	3.33	**Bend5**	BEN domain containing 5
A_55_P1990944	0.000287	3.33	**Casp1**	caspase 1
A_30_P01033084	0.000421	3.33		
A_51_P267180	4.92E-05	3.33		
A_30_P01033321	1.46E-05	3.33		
A_55_P1984655	7.64E-05	3.33	**Smtnl2**	smoothelin-like 2
A_51_P414889	4.03E-06	3.33	**Ifi35**	interferon-induced protein 35
A_51_P509669	9.32E-06	3.33	**Uap1l1**	UDP-N-acteylglucosamine pyrophosphorylase 1-like 1
A_30_P01022083	1.14E-05	3.33		
A_51_P211854	5.61E-06	3.33	**Selp**	selectin, platelet
A_30_P01023304	2.62E-06	3.33		
A_30_P01023254	1.55E-07	3.33		
A_51_P127681	1.53E-06	3.33	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2176275	0.000111	3.33	**Gucy2e**	guanylate cyclase 2e
A_55_P1997141	2.20E-05	3.33	**Mybl2**	myeloblastosis oncogene-like 2
A_55_P2140751	4.43E-05	3.33		
A_51_P219325	0.000343	3.33	**Ddx28**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28
A_51_P236864	0.000128	3.33	**Parp8**	poly (ADP-ribose) polymerase family, member 8
A_51_P237865	0.004521	3.33	**Il4**	interleukin 4
A_30_P01022724	9.99E-05	3.33		
A_30_P01032951	8.64E-06	3.33		
A_52_P664506	0.000443	3.33	**Abhd2**	abhydrolase domain containing 2
A_55_P2008244	9.66E-05	3.33		
A_30_P01025847	2.93E-05	3.32		
A_30_P01028115	9.52E-06	3.32		
A_55_P2028852	3.41E-05	3.32		
A_55_P1959430	0.006349	3.32	**Chat**	choline acetyltransferase
A_55_P2008277	3.84E-08	3.32	**Gm9880**	predicted gene 9880
A_51_P366061	5.42E-08	3.32	**Fscn1**	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)
A_55_P2028054	0.000105	3.32	**Incenp**	inner centromere protein
A_66_P107129	2.94E-06	3.32	**3300005D01Rik**	RIKEN cDNA 3300005D01 gene
A_51_P114634	0.000909	3.32	**Amz1**	archaelysin family metallopeptidase 1
A_55_P2091736	1.96E-06	3.32	**Rassf2**	Ras association (RalGDS/AF-6) domain family member 2
A_55_P2319730	1.72E-05	3.32	**4930414F18Rik**	RIKEN cDNA 4930414F18 gene
A_55_P1963920	0.001525	3.32	**A430084P05Rik**	RIKEN cDNA A430084P05 gene
A_55_P2072656	1.43E-07	3.32	**Ckmt1**	creatine kinase, mitochondrial 1, ubiquitous
A_55_P2137309	1.42E-05	3.32	**Kctd11**	potassium channel tetramerisation domain containing 11
A_55_P2082902	0.000222	3.32	**Wars**	tryptophanyl-tRNA synthetase
A_51_P399845	0.000416	3.32	**Fgf2**	fibroblast growth factor 2
A_30_P01020422	7.77E-06	3.32		
A_30_P01023206	4.04E-05	3.32		
A_55_P2130565	3.57E-07	3.31	**Prdm11**	PR domain containing 11
A_55_P2179413	3.12E-06	3.31	**Lgals3bp**	lectin, galactoside-binding, soluble, 3 binding protein
A_30_P01025960	1.83E-05	3.31		
A_30_P01024596	0.000244	3.31		
A_55_P2023076	3.52E-08	3.31	**Arpc1b**	actin related protein 2/3 complex, subunit 1B
A_30_P01020759	2.61E-05	3.31		
A_55_P2015670	1.55E-08	3.31	**Itga6**	integrin alpha 6
A_55_P1952644	2.96E-06	3.31		
A_52_P32353	0.000103	3.31		
A_55_P2287910	6.87E-07	3.31	**Rragd**	Ras-related GTP binding D
A_55_P2124461	6.10E-07	3.31		
A_30_P01021020	1.59E-06	3.31		
A_55_P2148554	3.51E-05	3.31		
A_55_P2117187	4.94E-05	3.30	**Olfr1243**	olfactory receptor 1243
A_55_P2210011	0.000145	3.30		
A_30_P01019590	0.000664	3.30		
A_55_P2141008	0.000157	3.30	**Siglech**	sialic acid binding Ig-like lectin H
A_52_P585652	1.86E-08	3.30	**Fndc3b**	fibronectin type III domain containing 3B
A_30_P01022744	2.17E-05	3.30		
A_30_P01029095	2.74E-05	3.30		
A_66_P123812	3.21E-06	3.30	**Olfr168**	olfactory receptor 168
A_55_P2109608	9.03E-06	3.30		
A_55_P2184146	2.40E-06	3.30		
A_55_P2150351	0.002362	3.30		
A_30_P01017971	0.000306	3.30		
A_30_P01028506	1.03E-05	3.30		
A_51_P435321	3.03E-05	3.29	**Ap1s2**	adaptor-related protein complex 1, sigma 2 subunit
A_55_P1993723	0.000457	3.29	**Acsbg2**	acyl-CoA synthetase bubblegum family member 2
A_55_P2035102	2.36E-06	3.29	**Odc1**	ornithine decarboxylase, structural 1

A_51_P229664	0.00204	3.29	**Cd27**	CD27 antigen
A_65_P17218	0.000236	3.29	**Mndal**	myeloid nuclear differentiation antigen like
A_51_P314907	7.08E-07	3.29	**Dbf4**	DBF4 homolog (S. cerevisiae)
A_30_P01020186	0.001942	3.29		
A_55_P1985815	1.98E-05	3.29		
A_30_P01026331	6.08E-07	3.29		
A_51_P439299	3.75E-05	3.29	**Relt**	RELT tumor necrosis factor receptor
A_55_P2149951	9.83E-05	3.29	**Prx**	periaxin
A_30_P01022457	0.000885	3.29		
A_52_P141338	2.31E-05	3.29	**Acot10**	acyl-CoA thioesterase 10
A_30_P01033020	3.79E-07	3.29		
A_52_P213889	0.001353	3.29	**Tmc7**	transmembrane channel-like gene family 7
A_55_P1971840	2.37E-06	3.29	**Muc13**	mucin 13, epithelial transmembrane
A_55_P2039992	0.000827	3.29	**Grik2**	glutamate receptor, ionotropic, kainate 2 (beta 2)
A_55_P1973854	2.08E-07	3.28	**Sema6b**	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B
A_52_P17112	1.43E-05	3.28	**Znrf1**	zinc and ring finger 1
A_66_P112006	8.33E-07	3.28	**H2-T10**	histocompatibility 2, T region locus 10
A_30_P01019921	1.35E-05	3.28		
A_55_P1955172	0.000666	3.28	**Camk2d**	calcium/calmodulin-dependent protein kinase II, delta
A_30_P01025040	0.000243	3.28		
A_55_P2005783	0.000912	3.28	**Ifih1**	interferon induced with helicase C domain 1
A_55_P2166555	1.74E-07	3.28	**Gm5637**	predicted pseudogene 5637
A_55_P2013760	1.24E-06	3.28	**Slc39a14**	solute carrier family 39 (zinc transporter), member 14
A_30_P01019262	0.000647	3.27		
A_51_P114634	0.000906	3.27	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1999561	0.000537	3.27	**Pram1**	PML-RAR alpha-regulated adaptor molecule 1
A_51_P453736	0.000264	3.27	**Apol11b**	apolipoprotein L 11b
A_55_P2029721	1.56E-05	3.27		
A_52_P315423	0.00141	3.27		
A_55_P2099742	0.000238	3.27	**Ccl19**	chemokine (C-C motif) ligand 19
A_52_P255304	7.72E-05	3.27	**Fam123c**	family with sequence similarity 123, member C
A_51_P165087	1.14E-05	3.27	**Snai1**	snail homolog 1 (Drosophila)
A_55_P1969745	1.01E-07	3.27	**Pitpnm1**	phosphatidylinositol transfer protein, membrane-associated 1
A_55_P2066116	1.17E-05	3.27	**Bcl3**	B-cell leukemia/lymphoma 3
A_55_P2000354	3.14E-05	3.27	**Rgs11**	regulator of G-protein signaling 11
A_30_P01028024	0.005815	3.27		
A_30_P01027661	4.28E-06	3.27		
A_52_P537545	0.00014	3.27	**Smpd3**	sphingomyelin phosphodiesterase 3, neutral
A_30_P01026313	8.43E-06	3.27		
A_51_P309589	0.001471	3.27	**2700099C18Rik**	NDC80 homolog, kinetochore complex component pseudogene
A_30_P01021617	5.36E-07	3.27		
A_52_P283628	6.48E-07	3.27	**Rps6ka3**	ribosomal protein S6 kinase polypeptide 3
A_51_P260300	1.07E-11	3.27	**Ikbkg**	inhibitor of kappaB kinase gamma
A_30_P01026037	0.000554	3.27		
A_55_P1974367	0.001889	3.27	**Fabp3**	fatty acid binding protein 3, muscle and heart
A_30_P01017730	9.32E-07	3.26		
A_55_P2162394	9.73E-06	3.26	**Pdp1**	pyruvate dehyrogenase phosphatase catalytic subunit 1
A_51_P191469	4.06E-07	3.26	**Rnf31**	ring finger protein 31
A_30_P01028687	1.76E-07	3.26		
A_30_P01019184	0.000995	3.26		
A_51_P297679	8.52E-05	3.26	**Hcls1**	hematopoietic cell specific Lyn substrate 1
A_55_P2026738	0.000447	3.26	**Rgs4**	regulator of G-protein signaling 4
A_55_P2092262	2.00E-05	3.26	**Gm7694**	predicted gene 7694
A_30_P01033032	3.09E-05	3.26		
A_55_P2040026	1.58E-05	3.26	**Itga4**	integrin alpha 4
A_66_P123186	3.12E-06	3.26	**Mapk1ip1l**	mitogen-activated protein kinase 1 interacting protein 1-like
A_51_P211854	9.05E-06	3.25	**Selp**	selectin, platelet
A_55_P2085370	1.28E-06	3.25	**Traf7**	TNF receptor-associated factor 7
A_51_P123510	0.000806	3.25	**Vmn1r58**	vomeronasal 1 receptor 58
A_55_P2169953	1.19E-05	3.25		
A_30_P01017933	3.17E-07	3.25		
A_55_P2018847	7.76E-07	3.25	**Crlf2**	cytokine receptor-like factor 2
A_51_P375509	0.000123	3.25	**Spty2d1**	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)
A_30_P01025202	5.95E-06	3.25		
A_52_P282762	4.12E-06	3.25	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2149763	4.33E-07	3.25	**Tapbp**	TAP binding protein
A_51_P100174	0.000259	3.25	**Mns1**	meiosis-specific nuclear structural protein 1
A_55_P1953194	9.17E-05	3.25		
A_51_P171200	0.000107	3.25	**Golm1**	golgi membrane protein 1
A_55_P2032750	0.000165	3.25	**Cpt1c**	carnitine palmitoyltransferase 1c
A_51_P467837	1.02E-05	3.24	**Ap3m2**	adaptor-related protein complex 3, mu 2 subunit
A_30_P01021756	3.74E-08	3.24		
A_51_P483576	0.004415	3.24		
A_51_P359636	7.14E-06	3.24	**Lgals3bp**	lectin, galactoside-binding, soluble, 3 binding protein
A_51_P518841	2.00E-09	3.24	**Fev**	FEV (ETS oncogene family)
A_51_P514961	0.002445	3.24	**Tiparp**	TCDD-inducible poly(ADP-ribose) polymerase
A_30_P01018472	0.000446	3.24		
A_52_P38639	0.000704	3.24	**Fermt3**	fermitin family homolog 3 (Drosophila)
A_52_P628067	0.000409	3.24	**Cdca3**	cell division cycle associated 3
A_55_P2099363	6.66E-06	3.24	**Stac2**	SH3 and cysteine rich domain 2
A_51_P195506	1.82E-05	3.24	**Csf1**	colony stimulating factor 1 (macrophage)
A_55_P2168383	0.001981	3.24	**Myo18b**	myosin XVIIIb
A_55_P1972792	2.75E-07	3.24	**Stil**	Scl/Tal1 interrupting locus
A_66_P131754	2.58E-07	3.24	**Vwa5a**	von Willebrand factor A domain containing 5A
A_30_P01028662	1.50E-05	3.24		
A_55_P2005908	2.17E-06	3.24	**Lin9**	lin-9 homolog (C. elegans)
A_51_P258372	0.000356	3.23	**Igsf6**	immunoglobulin superfamily, member 6
A_55_P1963221	0.000448	3.23		
A_55_P1993184	1.01E-07	3.23		
A_30_P01021311	0.000138	3.23		
A_55_P2113165	8.75E-05	3.23	**Camkk1**	calcium/calmodulin-dependent protein kinase kinase 1, alpha
A_55_P2009787	2.52E-05	3.23	**Atp1a4**	ATPase, Na+/K+ transporting, alpha 4 polypeptide
A_30_P01032897	1.41E-06	3.23		
A_55_P2015541	6.59E-06	3.23	**Hif3a**	hypoxia inducible factor 3, alpha subunit
A_51_P286978	9.45E-08	3.23	**1700034O15Rik**	RIKEN cDNA 1700034O15 gene

A_55_P2002846	9.98E-07	3.23	**0610010O12Rik**	RIKEN cDNA 0610010O12 gene
A_55_P2019009	0.000625	3.23	**Ncoa7**	nuclear receptor coactivator 7
A_30_P01028231	7.24E-06	3.23		
A_55_P2173358	1.48E-05	3.23		
A_51_P487918	1.94E-05	3.22	**Rinl**	Ras and Rab interactor-like
A_55_P1986722	0.004382	3.22	**Card9**	caspase recruitment domain family, member 9
A_55_P1961873	0.000141	3.22	**Akt3**	thymoma viral proto-oncogene 3
A_55_P1952842	2.28E-05	3.22	**Ceacam20**	carcinoembryonic antigen-related cell adhesion molecule 20
A_55_P2085412	0.000304	3.22	**Ankle1**	ankyrin repeat and LEM domain containing 1
A_52_P598835	4.16E-06	3.22	**2010109K11Rik**	RIKEN cDNA 2010109K11 gene
A_55_P2023306	6.12E-05	3.22	**Pcdha9**	protocadherin alpha 9
A_66_P134984	2.59E-05	3.22		
A_51_P105709	1.50E-05	3.22	**Trip13**	thyroid hormone receptor interactor 13
A_52_P322927	0.000878	3.22		
A_51_P131800	0.000216	3.22	**Cyba**	cytochrome b-245, alpha polypeptide
A_55_P1983358	0.001586	3.22	**Gm4593**	predicted gene 4593
A_51_P124254	1.27E-05	3.22	**Col4a1**	collagen, type IV, alpha 1
A_30_P01023472	2.35E-05	3.22		
A_55_P2079579	0.000241	3.22	**Pira7**	paired-Ig-like receptor A7
A_30_P01021361	0.000293	3.22		
A_52_P655265	0.001196	3.21	**6720463M24Rik**	RIKEN cDNA 6720463M24 gene
A_55_P2024220	0.001318	3.21		
A_55_P2008016	0.000268	3.21	**Armc3**	armadillo repeat containing 3
A_55_P2315921	0.000164	3.21	**5330431K02Rik**	RIKEN cDNA 5330431K02 gene
A_55_P1988481	1.35E-08	3.21		
A_55_P2248315	2.15E-05	3.21	**2310043M15Rik**	RIKEN cDNA 2310043M15 gene
A_52_P517730	2.75E-06	3.21	**Creb1**	cAMP responsive element binding protein 1
A_51_P114634	0.003612	3.21	**Amz1**	archaelysin family metallopeptidase 1
A_55_P1989534	2.14E-05	3.21	**Cklf**	chemokine-like factor
A_55_P2067366	4.74E-05	3.21		
A_55_P2132604	0.003177	3.21	**Gm2447**	predicted gene 2447
A_55_P1984830	5.60E-07	3.21	**Fgl1**	fibrinogen-like protein 1
A_52_P631547	0.000115	3.21	**Cytl1**	cytokine-like 1
A_51_P517952	0.000615	3.21	**Tpcn2**	two pore segment channel 2
A_51_P128575	8.21E-06	3.21	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_30_P01020312	7.51E-05	3.21		
A_30_P01024749	0.000589	3.21		
A_55_P2007423	8.55E-06	3.20	**Ppp1r12a**	protein phosphatase 1, regulatory (inhibitor) subunit 12A
A_52_P282762	5.64E-06	3.20	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2408968	4.59E-06	3.20		
A_55_P2055762	8.63E-05	3.20	**Gm5878**	predicted gene 5878
A_52_P364130	5.30E-06	3.20	**Map3k14**	mitogen-activated protein kinase kinase kinase 14
A_30_P01018071	0.000156	3.20		
A_52_P236398	1.26E-06	3.20		
A_55_P2116621	0.000133	3.20	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_55_P2092750	9.58E-05	3.20	**Car9**	carbonic anhydrase 9
A_55_P2219189	0.00022	3.20	**D3Ertd711e**	DNA segment, Chr 3, ERATO Doi 711, expressed
A_55_P1961009	0.000851	3.20	**Apbb1ip**	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein
A_30_P01031128	0.000118	3.20		
A_66_P108979	0.000101	3.20	**Olfr1535**	olfactory receptor 1535
A_52_P282762	2.32E-06	3.20	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2007470	9.19E-06	3.19	**Pdgfa**	platelet derived growth factor, alpha
A_55_P2115057	0.000101	3.19	**Tuba1a**	tubulin, alpha 1A
A_52_P93933	4.04E-07	3.19	**Mcl1**	myeloid cell leukemia sequence 1
A_51_P336599	0.000353	3.19	**Kcne3**	potassium voltage-gated channel, Isk-related subfamily, gene 3
A_55_P2122618	0.000785	3.19		
A_55_P2120906	4.47E-06	3.19		
A_55_P2156464	7.11E-06	3.19	**Nt5c3l**	5'-nucleotidase, cytosolic III-like
A_30_P01021593	1.66E-05	3.19		
A_51_P393958	7.68E-05	3.19	**Fbxo5**	F-box protein 5
A_55_P2150781	2.57E-06	3.19		
A_30_P01028838	2.29E-05	3.19		
A_30_P01019030	1.21E-06	3.19		
A_55_P2072915	0.000166	3.19		
A_51_P123510	1.05E-06	3.19	**Vmn1r58**	vomeronasal 1 receptor 58
A_51_P128575	2.02E-05	3.19	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_51_P476601	0.000528	3.19	**Ly96**	lymphocyte antigen 96
A_55_P1992959	3.70E-05	3.19	**Pfkfb4**	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
A_55_P2086811	0.000151	3.19	**Sp140**	Sp140 nuclear body protein
A_52_P417727	5.94E-05	3.18	**Olfr1170**	olfactory receptor 1170
A_55_P2019457	2.17E-05	3.18	**Eno2**	enolase 2, gamma neuronal
A_55_P2240161	6.59E-05	3.18	**A730090H04Rik**	RIKEN cDNA A730090H04 gene
A_30_P01018209	0.001776	3.18		
A_55_P1969746	2.07E-06	3.18	**Pitpnm1**	phosphatidylinositol transfer protein, membrane-associated 1
A_55_P1967291	0.000103	3.18	**Ncaph**	non-SMC condensin I complex, subunit H
A_55_P1990265	0.000382	3.18		
A_51_P467224	0.000336	3.18	**Fbn1**	fibrillin 1
A_30_P01022869	8.27E-06	3.18		
A_55_P2078680	4.64E-09	3.18	**Tpm1**	tropomyosin 1, alpha
A_55_P2059591	3.90E-05	3.18		
A_51_P438821	1.31E-06	3.17	**Pycard**	PYD and CARD domain containing
A_55_P2347756	2.07E-07	3.17	**AU040972**	expressed sequence AU040972
A_30_P01032373	5.74E-07	3.17		
A_30_P01022924	2.42E-06	3.17		
A_55_P1977245	8.33E-08	3.17	**Slc22a13**	solute carrier family 22 (organic cation transporter), member 13
A_52_P117352	0.000323	3.17	**Gja4**	gap junction protein, alpha 4
A_55_P1968381	1.45E-07	3.17	**Cast**	calpastatin
A_55_P1970650	1.04E-07	3.17	**Dgkh**	diacylglycerol kinase, eta
A_55_P2054897	0.002697	3.17	**Rnd1**	Rho family GTPase 1
A_55_P2076757	0.000796	3.16	**Znfx1**	zinc finger, NFX1-type containing 1
A_30_P01026785	5.35E-05	3.16		
A_51_P399175	0.000188	3.16	**Ppm1j**	protein phosphatase 1J
A_66_P123294	1.27E-07	3.16		
A_30_P01019853	0.000117	3.16		
A_55_P2141093	0.006455	3.16	**Eya2**	eyes absent 2 homolog (Drosophila)

A_51_P154780	0.000347	3.16	**Vav1**	vav 1 oncogene
A_30_P01025684	2.84E-05	3.16		
A_51_P206134	0.000217	3.16	**Akna**	AT-hook transcription factor
A_51_P459489	6.72E-05	3.16	**Tmco5**	transmembrane and coiled-coil domains 5
A_30_P01021888	2.98E-05	3.16		
A_51_P155458	0.000957	3.16		
A_55_P2205638	0.000122	3.16	**D17H6S56E-5**	DNA segment, Chr 17, human D6S56E 5
A_55_P2148182	4.09E-09	3.15		
A_52_P537566	3.09E-09	3.15	**Cenpt**	centromere protein T
A_55_P2121856	2.06E-05	3.15	**Ier5l**	immediate early response 5-like
A_30_P01033549	4.20E-07	3.15		
A_55_P2121563	4.53E-06	3.15	**Ankfy1**	ankyrin repeat and FYVE domain containing 1
A_55_P2147791	0.001617	3.15	**Fam129c**	family with sequence similarity 129, member C
A_55_P2423616	1.23E-05	3.15	**2900057C01Rik**	RIKEN cDNA 2900057C01 gene
A_55_P2126578	4.10E-06	3.15		
A_55_P1954196	2.93E-05	3.15	**C1ql3**	C1q-like 3
A_55_P1995055	3.27E-05	3.15	**Prr7**	proline rich 7 (synaptic)
A_55_P2047529	5.39E-05	3.15	**Oog4**	oogenesin 4
A_55_P2082733	0.000117	3.15	**Cybb**	cytochrome b-245, beta polypeptide
A_51_P398878	6.60E-07	3.15	**Uck2**	uridine-cytidine kinase 2
A_55_P2183408	0.003324	3.15	**D430050E20Rik**	RIKEN cDNA D430050E20 gene
A_52_P99807	1.49E-05	3.15	**Dpy19l3**	dpy-19-like 3 (C. elegans)
A_55_P2114995	3.94E-05	3.15		
A_55_P2159512	0.00024	3.15	**Plekha4**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4
A_55_P2116650	3.98E-05	3.15	**A130040M12Rik**	RIKEN cDNA A130040M12 gene
A_55_P1995007	0.000149	3.15	**Arhgap11a**	Rho GTPase activating protein 11A
A_55_P1991960	4.15E-05	3.15	**Nwd1**	NACHT and WD repeat domain containing 1
A_51_P342906	1.38E-05	3.15	**Sh3bp1**	SH3-domain binding protein 1
A_55_P1969311	0.000228	3.14	**Gramd1b**	GRAM domain containing 1B
A_30_P01024250	2.92E-06	3.14		
A_52_P556099	0.00017	3.14	**Oip5**	Opa interacting protein 5
A_30_P01030574	1.22E-05	3.14		
A_55_P2073208	2.70E-05	3.14		
A_55_P2314657	0.001738	3.14	**4931403G20Rik**	RIKEN cDNA 4931403G20 gene
A_30_P01030723	0.003124	3.14		
A_55_P2053404	0.000624	3.14		
A_55_P1952882	9.08E-06	3.14	**Cyp4f18**	cytochrome P450, family 4, subfamily f, polypeptide 18
A_30_P01019834	6.36E-06	3.14		
A_66_P113868	1.16E-05	3.14	**Cdh3**	cadherin 3
A_55_P2328915	9.96E-08	3.14	**LOC552877**	hypothetical LOC552877
A_55_P1963573	0.000129	3.14	**Gm11595**	predicted gene 11595
A_55_P2110351	1.92E-07	3.14	**Eppk1**	epiplakin 1
A_55_P2121521	3.51E-06	3.14	**Hist1h3i**	histone cluster 1, H3i
A_66_P121086	0.000672	3.14	**Map3k8**	mitogen-activated protein kinase kinase kinase 8
A_55_P2106975	3.15E-06	3.13	**Clcn5**	chloride channel 5
A_52_P598309	5.22E-06	3.13	**1500012F01Rik**	RIKEN cDNA 1500012F01 gene
A_51_P324287	0.000493	3.13	**Kif23**	kinesin family member 23
A_51_P105709	3.83E-05	3.13	**Trip13**	thyroid hormone receptor interactor 13
A_30_P01024421	0.000671	3.13		
A_55_P2072801	1.85E-06	3.13	**Lypd5**	Ly6/Plaur domain containing 5
A_55_P2021393	0.000102	3.13	**Vmn2r65**	vomeronasal 2, receptor 65
A_51_P100298	0.000404	3.13	**Stx3**	syntaxin 3
A_55_P2062722	0.000245	3.13		
A_30_P01024542	2.38E-05	3.13		
A_30_P01033113	8.87E-05	3.13		
A_55_P2154809	0.001915	3.13	**Morn3**	MORN repeat containing 3
A_30_P01025641	9.50E-09	3.13		
A_55_P2035504	0.000212	3.13	**Nt5c3**	5'-nucleotidase, cytosolic III
A_30_P01017723	4.73E-08	3.13		
A_66_P128733	7.50E-06	3.13	**BC106175**	cDNA sequence BC106175
A_30_P01018245	7.24E-06	3.12		
A_51_P491976	4.51E-06	3.12	**Fbxw17**	F-box and WD-40 domain protein 17
A_55_P2088315	3.37E-05	3.12	**Vmn1r87**	vomeronasal 1 receptor 87
A_30_P01025038	0.000122	3.12		
A_30_P01030730	1.59E-06	3.12		
A_52_P282762	3.31E-05	3.12	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2044659	0.000657	3.12		
A_30_P01027248	1.27E-06	3.12		
A_30_P01018526	0.00112	3.12		
A_55_P2123234	1.67E-07	3.12		
A_55_P1976077	2.41E-05	3.12	**1700071K01Rik**	RIKEN cDNA 1700071K01 gene
A_55_P1955437	1.48E-07	3.12	**Cmtm5**	CKLF-like MARVEL transmembrane domain containing 5
A_52_P529570	0.000116	3.12	**Nsl1**	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)
A_55_P2068570	1.47E-08	3.12		
A_52_P663704	4.57E-05	3.12	**Podnl1**	podocan-like 1
A_55_P2038101	0.000479	3.12	**Dock11**	dedicator of cytokinesis 11
A_55_P2109003	2.35E-05	3.11		
A_52_P127206	2.49E-05	3.11	**Gm9**	predicted gene 9
A_55_P1973770	7.45E-07	3.11	**Unc5b**	unc-5 homolog B (C. elegans)
A_30_P01028636	3.02E-06	3.11		
A_51_P237055	4.25E-05	3.11	**Olfr1198**	olfactory receptor 1198
A_55_P2004732	0.0015	3.11	**Ttc39a**	tetratricopeptide repeat domain 39A
A_55_P2074982	6.23E-06	3.11	**Lyar**	Ly1 antibody reactive clone
A_55_P1991199	1.76E-06	3.11	**Nos1ap**	nitric oxide synthase 1 (neuronal) adaptor protein
A_55_P2008297	0.000114	3.11	**Cd300a**	CD300A antigen
A_52_P282762	6.92E-06	3.11	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2142535	1.82E-06	3.11	**1700037C18Rik**	RIKEN cDNA 1700037C18 gene
A_55_P2130970	3.71E-07	3.11	**Parp10**	poly (ADP-ribose) polymerase family, member 10
A_55_P2073397	3.33E-09	3.10		
A_51_P411297	3.17E-05	3.10	**Nup50**	nucleoporin 50
A_55_P2119145	9.66E-05	3.10		
A_55_P2039284	0.000949	3.10	**Hspb1**	heat shock protein 1
A_55_P2193512	0.000151	3.10	**AI661384**	expressed sequence AI661384
A_55_P2220092	7.26E-05	3.10	**D230035N22Rik**	RIKEN cDNA D230035N22 gene
A_55_P1960074	1.20E-07	3.10	**Pafah1b3**	platelet-activating factor acetylhydrolase, isoform 1b, subunit 3

A_51_P397296	0.002482	3.10	**Marveld3**	MARVEL (membrane-associating) domain containing 3
A_51_P285077	7.01E-05	3.10	**Hhatl**	hedgehog acyltransferase-like
A_52_P193301	2.29E-05	3.10	**Chmp4c**	chromatin modifying protein 4C
A_30_P01019034	0.000732	3.10		
A_52_P282762	2.18E-05	3.10	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2151609	0.000186	3.10	**Sorl1**	sortilin-related receptor, LDLR class A repeats-containing
A_66_P125161	1.50E-09	3.10		
A_55_P2367461	1.29E-05	3.10	**Acer2**	alkaline ceramidase 2
A_51_P259009	0.000165	3.10	**Cacnb3**	calcium channel, voltage-dependent, beta 3 subunit
A_55_P2074488	4.87E-06	3.09	**Crim1**	cysteine rich transmembrane BMP regulator 1 (chordin like)
A_51_P123314	1.08E-06	3.09	**Olfr74**	olfactory receptor 74
A_55_P2038318	4.15E-06	3.09	**Psg16**	pregnancy specific glycoprotein 16
A_55_P2091230	5.28E-08	3.09		
A_30_P01028754	3.47E-06	3.09		
A_52_P52618	3.36E-05	3.09	**Csf2rb**	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
A_55_P2082418	5.30E-05	3.09		
A_30_P01023799	1.05E-06	3.09		
A_55_P1987013	0.000103	3.09		
A_55_P2155197	1.14E-05	3.09	**Tnfrsf22**	tumor necrosis factor receptor superfamily, member 22
A_51_P221014	7.44E-07	3.09	**Cd47**	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
A_55_P2377645	0.000297	3.09	**LOC100504944**	hypothetical protein LOC100504944
A_55_P2244722	1.42E-05	3.09	**Taf9b**	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor
A_30_P01028614	0.001378	3.09		
A_51_P100174	0.000254	3.09	**Mns1**	meiosis-specific nuclear structural protein 1
A_30_P01017555	0.000891	3.09		
A_55_P2094963	0.000195	3.09		
A_55_P2033055	1.41E-05	3.09	**Pdp1**	pyruvate dehyrogenase phosphatase catalytic subunit 1
A_55_P2125588	1.43E-05	3.09	**Pdgfa**	platelet derived growth factor, alpha
A_55_P1983095	3.16E-06	3.09	**Adam19**	a disintegrin and metallopeptidase domain 19 (meltrin beta)
A_52_P182118	3.79E-08	3.09		
A_51_P168203	3.86E-07	3.09	**Aig1**	androgen-induced 1
A_52_P203691	2.25E-05	3.09	**Arl5c**	ADP-ribosylation factor-like 5C
A_51_P123510	0.000165	3.09	**Vmn1r58**	vomeronasal 1 receptor 58
A_51_P179864	9.44E-06	3.09	**Prkx**	protein kinase, X-linked
A_55_P2025829	2.33E-05	3.09		
A_55_P2088401	7.94E-07	3.09	**H2-T9**	histocompatibility 2, T region locus 9
A_55_P2218223	4.21E-09	3.09	**Pacs2**	phosphofurin acidic cluster sorting protein 2
A_30_P01022689	0.000473	3.09		
A_55_P2090633	7.80E-05	3.08	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_51_P100174	0.00018	3.08	**Mns1**	meiosis-specific nuclear structural protein 1
A_55_P2022604	4.48E-05	3.08	**1200009I06Rik**	RIKEN cDNA 1200009I06 gene
A_66_P100249	3.63E-05	3.08	**Snhg12**	small nucleolar RNA host gene 12
A_66_P116098	5.24E-05	3.08	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2
A_51_P211998	3.47E-05	3.08	**Sgms2**	sphingomyelin synthase 2
A_51_P477364	1.85E-05	3.08	**Rhob**	ras homolog gene family, member B
A_55_P2043977	2.45E-07	3.08	**Mtm1**	X-linked myotubular myopathy gene 1
A_55_P1956953	1.32E-05	3.08		
A_30_P01019225	3.26E-09	3.08		
A_55_P2058726	2.02E-06	3.08	**Hap1**	huntingtin-associated protein 1
A_51_P416509	2.90E-07	3.08	**Hist1h1a**	histone cluster 1, H1a
A_52_P434306	9.51E-05	3.08		
A_51_P490817	0.000104	3.08	**Me2**	malic enzyme 2, NAD(+)-dependent, mitochondrial
A_30_P01019905	0.00192	3.08		
A_30_P01029641	0.003188	3.08		
A_66_P128079	2.51E-06	3.08	**Krt8**	keratin 8
A_55_P2136678	3.73E-06	3.08		
A_51_P462299	2.41E-06	3.08	**Aida**	axin interactor, dorsalization associated
A_51_P179461	4.77E-05	3.08	**Eid3**	EP300 interacting inhibitor of differentiation 3
A_55_P2022585	6.63E-05	3.07	**Pira6**	paired-Ig-like receptor A6
A_55_P2020458	2.47E-05	3.07		
A_55_P2128324	1.62E-08	3.07	**Ubap2l**	ubiquitin associated protein 2-like
A_30_P01027573	0.000555	3.07		
A_30_P01028465	0.000195	3.07		
A_55_P2202029	6.55E-06	3.07	**BB211804**	expressed sequence BB211804
A_51_P139651	0.000143	3.07	**Nos3**	nitric oxide synthase 3, endothelial cell
A_51_P411297	3.40E-06	3.07	**Nup50**	nucleoporin 50
A_30_P01031135	0.00043	3.07		
A_51_P105709	1.64E-05	3.07	**Trip13**	thyroid hormone receptor interactor 13
A_51_P379660	1.41E-05	3.07	**Mllt11**	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11
A_55_P2322382	8.48E-07	3.07	**A930009E08Rik**	RIKEN cDNA A930009E08 gene
A_66_P127620	0.000115	3.07	**Taar7f**	trace amine-associated receptor 7F
A_51_P169745	0.000315	3.06	**Tuba1a**	tubulin, alpha 1A
A_55_P2070628	6.28E-07	3.06		
A_55_P2087963	0.001666	3.06		
A_55_P2154977	7.44E-06	3.06	**Rpap3**	RNA polymerase II associated protein 3
A_55_P2042062	4.98E-05	3.06	**Mier1**	mesoderm induction early response 1 homolog (Xenopus laevis
A_51_P105709	6.62E-05	3.06	**Trip13**	thyroid hormone receptor interactor 13
A_52_P282762	1.35E-05	3.06	**Myd88**	myeloid differentiation primary response gene 88
A_51_P411297	1.72E-05	3.06	**Nup50**	nucleoporin 50
A_51_P341108	6.78E-05	3.06	**Spint1**	serine protease inhibitor, Kunitz type 1
A_55_P2060642	3.65E-05	3.06	**2310008H04Rik**	RIKEN cDNA 2310008H04 gene
A_51_P321886	4.63E-05	3.06	**Cmtm3**	CKLF-like MARVEL transmembrane domain containing 3
A_55_P1990038	8.40E-07	3.05	**Mark2**	MAP/microtubule affinity-regulating kinase 2
A_30_P01023400	4.16E-05	3.05		
A_55_P2023235	1.14E-07	3.05	**Fen1**	flap structure specific endonuclease 1
A_55_P1982030	4.36E-07	3.05	**H3f3b**	H3 histone, family 3B
A_30_P01022260	0.000212	3.05		
A_30_P01027149	6.04E-07	3.05		
A_30_P01028044	0.000436	3.05		
A_52_P282762	1.25E-05	3.05	**Myd88**	myeloid differentiation primary response gene 88
A_51_P365516	0.005404	3.05	**Spink3**	serine peptidase inhibitor, Kazal type 3
A_66_P133204	5.08E-07	3.05		
A_55_P2045916	8.28E-07	3.05		
A_55_P1957937	5.10E-06	3.05		
A_30_P01027951	1.30E-07	3.05		

A_66_P128997	0.000173	3.05	**Pml**	promyelocytic leukemia
A_30_P01019888	7.65E-05	3.05		
A_55_P1966659	1.06E-07	3.05	**LOC547349**	similar to MHC class I antigen precursor
A_55_P2147831	0.001172	3.05	**Gimap4**	GTPase, IMAP family member 4
A_30_P01027297	3.70E-05	3.05		
A_30_P01022635	1.28E-05	3.05		
A_51_P443693	0.002467	3.05	**Rasl10b**	RAS-like, family 10, member B
A_30_P01022310	2.65E-05	3.05		
A_30_P01023819	0.000104	3.05		
A_30_P01018294	1.28E-05	3.05		
A_51_P516728	3.55E-05	3.04	**Hap1**	huntingtin-associated protein 1
A_30_P01025234	4.93E-08	3.04		
A_55_P2058646	0.000532	3.04	**Nhlh1**	nescient helix loop helix 1
A_52_P426248	2.33E-05	3.04		
A_55_P2008996	4.18E-06	3.04		
A_55_P2032559	2.16E-07	3.04		
A_30_P01025131	0.001257	3.04		
A_30_P01018582	0.000769	3.04		
A_30_P01030819	3.73E-05	3.04		
A_55_P2214959	0.004389	3.04	**D230017M19Rik**	RIKEN cDNA D230017M19 gene
A_55_P2043862	9.81E-05	3.04	**Stmn1**	stathmin 1
A_30_P01026012	0.001665	3.03		
A_30_P01031214	5.16E-06	3.03		
A_30_P01020960	0.000793	3.03		
A_55_P2088995	4.90E-06	3.03	**Plscr1**	phospholipid scramblase 1
A_55_P1994275	7.19E-07	3.03	**Gar1**	GAR1 ribonucleoprotein homolog (yeast)
A_55_P2097448	9.53E-06	3.03	**Rbpms**	RNA binding protein gene with multiple splicing
A_30_P01032704	8.45E-05	3.03		
A_55_P2317346	1.90E-05	3.03	**D13Ertd787e**	DNA segment, Chr 13, ERATO Doi 787, expressed
A_55_P2182452	0.004519	3.03	**Tnfsf15**	tumor necrosis factor (ligand) superfamily, member 15
A_51_P411297	6.06E-06	3.03	**Nup50**	nucleoporin 50
A_30_P01021458	1.55E-06	3.03		
A_52_P222096	0.000201	3.03	**4931428F04Rik**	RIKEN cDNA 4931428F04 gene
A_55_P2179996	1.39E-06	3.03		
A_51_P105709	8.18E-06	3.03	**Trip13**	thyroid hormone receptor interactor 13
A_55_P1990810	7.46E-07	3.03		
A_51_P467448	2.35E-09	3.02	**Pif1**	PIF1 5'-to-3' DNA helicase homolog (S. cerevisiae)
A_30_P01027627	1.79E-05	3.02		
A_51_P411297	1.30E-05	3.02	**Nup50**	nucleoporin 50
A_55_P2319815	8.02E-07	3.02	**AW552889**	expressed sequence AW552889
A_55_P2056542	0.000109	3.02	**Nin**	ninein
A_55_P2091551	6.56E-05	3.02	**Arhgap9**	Rho GTPase activating protein 9
A_55_P1953411	6.43E-05	3.02		
A_66_P118141	2.60E-06	3.02	**Sh2d2a**	SH2 domain protein 2A
A_30_P01030111	2.84E-06	3.02		
A_55_P2236343	0.002153	3.02	**Tom1**	target of myb1 homolog (chicken)
A_66_P110769	8.80E-08	3.02	**Cabyr**	calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)
A_30_P01020731	0.000733	3.02		
A_55_P1982902	0.000817	3.02	**Tceal3**	transcription elongation factor A (SII)-like 3
A_30_P01022502	0.000285	3.02		
A_55_P2149896	4.37E-05	3.01	**BC046404**	cDNA sequence BC046404
A_51_P204442	2.21E-05	3.01	**Phf19**	PHD finger protein 19
A_30_P01024989	6.99E-07	3.01		
A_30_P01019146	0.000415	3.01		
A_65_P16208	1.73E-06	3.01	**Baz1a**	bromodomain adjacent to zinc finger domain 1A
A_30_P01033291	5.76E-05	3.01		
A_51_P334174	5.67E-06	3.01	**Rho**	rhodopsin
A_55_P1987827	0.002111	3.01		
A_55_P2019776	1.11E-05	3.01	**Gxylt1**	glucoside xylosyltransferase 1
A_55_P2010936	3.84E-07	3.01	**Fbxo17**	F-box protein 17
A_51_P420547	6.02E-05	3.01	**Clic5**	chloride intracellular channel 5
A_51_P264495	2.77E-08	3.01	**Pgam2**	phosphoglycerate mutase 2
A_51_P110888	0.000148	3.01	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_51_P139651	0.000192	3.01	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P2082203	1.71E-05	3.01	**Baz1a**	bromodomain adjacent to zinc finger domain 1A
A_30_P01026255	6.95E-08	3.01		
A_55_P1973501	0.000624	3.01	**Ceacam16**	carcinoembryonic antigen-related cell adhesion molecule 16
A_55_P2046499	1.35E-07	3.01	**Vmn1r70**	vomeronasal 1 receptor 70
A_55_P1999364	5.98E-07	3.00	**Krt85**	keratin 85
A_52_P361993	4.38E-06	3.00	**Fam164a**	family with sequence similarity 164, member A
A_30_P01021673	4.07E-05	3.00		
A_55_P2138333	4.47E-05	3.00	**Mad2l1**	MAD2 mitotic arrest deficient-like 1 (yeast)
A_55_P2205690	0.000572	3.00	**Polk**	polymerase (DNA directed), kappa
A_55_P2150555	1.75E-05	3.00	**Pcgf5**	polycomb group ring finger 5
A_51_P100174	0.000371	3.00	**Mns1**	meiosis-specific nuclear structural protein 1
A_30_P01027902	3.30E-07	3.00		
A_52_P163795	2.63E-07	3.00	**Tubb5**	tubulin, beta 5
A_55_P2051274	6.79E-08	3.00	**Gm2479**	predicted gene 2479
A_30_P01021631	3.71E-05	3.00		
A_55_P2028268	0.000903	3.00	**Pik3cd**	phosphatidylinositol 3-kinase catalytic delta polypeptide
A_51_P399845	0.001041	3.00	**Fgf2**	fibroblast growth factor 2
A_51_P102421	8.11E-05	3.00	**Clcf1**	cardiotrophin-like cytokine factor 1
A_51_P105709	2.86E-06	3.00	**Trip13**	thyroid hormone receptor interactor 13
A_55_P2038942	0.000107	2.99		
A_30_P01025349	2.88E-07	2.99		
A_55_P1975580	0.000619	2.99	**LOC100046302**	protein disulfide-isomerase A6-like
A_51_P411297	1.05E-05	2.99	**Nup50**	nucleoporin 50
A_55_P2176181	2.89E-07	2.99	**Pcdh15**	protocadherin 15
A_55_P2119761	1.52E-05	2.99	**Krtap16-8**	keratin associated protein 16-8
A_55_P2027142	4.41E-08	2.99		
A_51_P273005	4.62E-06	2.99	**Actl7a**	actin-like 7a
A_51_P411297	6.15E-06	2.99	**Nup50**	nucleoporin 50
A_52_P476754	5.98E-05	2.99	**Ubash3b**	ubiquitin associated and SH3 domain containing, B
A_55_P2118619	5.02E-06	2.99		
A_55_P2059154	8.03E-06	2.99	**Dtx3l**	deltex 3-like (Drosophila)

A_30_P01033110	5.83E-05	2.99		
A_52_P282762	8.71E-06	2.99	**Myd88**	myeloid differentiation primary response gene 88
A_51_P464023	1.07E-05	2.99	**Chst12**	carbohydrate sulfotransferase 12
A_51_P507832	0.002769	2.99	**Pik3cg**	phosphoinositide-3-kinase, catalytic, gamma polypeptide
A_51_P202074	2.49E-05	2.99	**Ncapd2**	non-SMC condensin I complex, subunit D2
A_30_P01028921	1.18E-05	2.99		
A_55_P1993358	0.001373	2.98	**LOC664787**	similar to Sp110 nuclear body protein
A_30_P01024145	0.001967	2.98		
A_51_P139651	0.000169	2.98	**Nos3**	nitric oxide synthase 3, endothelial cell
A_66_P113556	2.06E-06	2.98	**Wnt16**	wingless-related MMTV integration site 16
A_30_P01017596	1.91E-05	2.98		
A_55_P2041355	1.20E-07	2.98		
A_51_P105709	1.66E-05	2.98	**Trip13**	thyroid hormone receptor interactor 13
A_52_P515057	7.80E-06	2.98	**Slc25a24**	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24
A_30_P01025110	0.000123	2.98		
A_55_P1979714	9.60E-05	2.98	**Klk11**	kallikrein related-peptidase 11
A_55_P1957363	0.000178	2.98		
A_55_P2012211	5.29E-05	2.98	**Ooep**	oocyte expressed protein homolog (dog)
A_55_P1956827	3.96E-07	2.98	**Ogfr**	opioid growth factor receptor
A_51_P399845	0.00046	2.98	**Fgf2**	fibroblast growth factor 2
A_55_P1982578	5.07E-05	2.98	**Kdm3a**	lysine (K)-specific demethylase 3A
A_51_P381558	0.000766	2.98	**Rasa4**	RAS p21 protein activator 4
A_51_P441022	0.001064	2.98	**Smad3**	MAD homolog 3 (Drosophila)
A_51_P443754	1.58E-05	2.98	**Hivep2**	human immunodeficiency virus type I enhancer binding protein 2
A_51_P343613	2.52E-05	2.98	**Ehd2**	EH-domain containing 2
A_30_P01030209	0.00355	2.98		
A_55_P2066613	7.27E-08	2.98	**Lcp1**	lymphocyte cytosolic protein 1
A_30_P01029072	1.21E-05	2.98		
A_55_P2047461	6.58E-05	2.98	**Fcho1**	FCH domain only 1
A_55_P1956812	1.17E-05	2.98	**Fam83g**	family with sequence similarity 83, member G
A_55_P2108255	8.89E-06	2.98	**Lgmn**	legumain
A_51_P139651	0.000157	2.98	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P1976694	7.46E-07	2.98	**Sept11**	septin 11
A_55_P2085391	0.000413	2.97		
A_55_P2077548	1.16E-05	2.97	**Git1**	G protein-coupled receptor kinase-interactor 1
A_30_P01029414	2.43E-05	2.97		
A_30_P01021014	2.86E-05	2.97		
A_66_P127136	0.002691	2.97	**Nrxn3**	neurexin III
A_51_P506674	2.29E-06	2.97	**Rpp38**	ribonuclease P/MRP 38 subunit (human)
A_30_P01032982	0.000359	2.97		
A_55_P1979167	9.96E-06	2.97		
A_55_P2041584	0.000768	2.97	**F420015M19Rik**	RIKEN cDNA F420015M19 gene
A_30_P01019207	2.35E-07	2.97		
A_51_P240594	1.33E-06	2.97	**Zfp7**	zinc finger protein 7
A_55_P2080372	0.000402	2.97	**Gm10674**	predicted gene 10674
A_55_P2108216	0.001462	2.97		
A_51_P372172	1.69E-06	2.97	**Plod3**	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3
A_30_P01033582	1.50E-05	2.96		
A_66_P107484	0.000248	2.96		
A_55_P2401958	1.02E-05	2.96	**BE949265**	cDNA sequence BE949265
A_55_P2144651	2.38E-05	2.96		
A_55_P2109702	0.000575	2.96		
A_55_P1993463	1.54E-07	2.96		
A_55_P2117649	0.000711	2.96	**Slfn9**	schlafen 9
A_51_P136589	0.000131	2.96	**Olfr796**	olfactory receptor 796
A_55_P2109628	7.38E-06	2.96	**Zdhhc21**	zinc finger, DHHC domain containing 21
A_30_P01022175	0.000152	2.96		
A_51_P234692	2.52E-05	2.96	**Neat1**	nuclear paraspeckle assembly transcript 1 (non-protein coding)
A_52_P420216	7.24E-06	2.96	**N4bp1**	NEDD4 binding protein 1
A_51_P124254	3.93E-05	2.96	**Col4a1**	collagen, type IV, alpha 1
A_51_P100174	0.000133	2.96	**Mns1**	meiosis-specific nuclear structural protein 1
A_30_P01028276	5.55E-05	2.96		
A_51_P471126	4.13E-06	2.96	**Cyp2c66**	cytochrome P450, family 2, subfamily c, polypeptide 66
A_55_P1996171	1.37E-05	2.96	**Pcgf5**	polycomb group ring finger 5
A_55_P1995141	7.13E-09	2.96	**Casz1**	castor homolog 1, zinc finger (Drosophila)
A_66_P135018	1.16E-06	2.96	**Krtap5-1**	keratin associated protein 5-1
A_55_P1977812	2.85E-05	2.96	**Cd244**	CD244 natural killer cell receptor 2B4
A_55_P2051254	6.22E-05	2.96	**Pvt1**	plasmacytoma variant translocation 1
A_55_P1976743	0.002663	2.96		
A_55_P2007372	9.33E-07	2.96		
A_66_P123282	6.54E-05	2.95	**Zdhhc23**	zinc finger, DHHC domain containing 23
A_30_P01023949	1.71E-08	2.95		
A_55_P2279762	5.35E-08	2.95	**6330415B21Rik**	RIKEN cDNA 6330415B21 gene
A_55_P2121613	2.29E-07	2.95	**Sox4**	SRY-box containing gene 4
A_55_P1952981	3.52E-05	2.95	**Rps6ka3**	ribosomal protein S6 kinase polypeptide 3
A_55_P1986103	2.46E-06	2.95	**AI848100**	expressed sequence AI848100
A_30_P01032766	1.74E-06	2.95		
A_55_P2016675	3.20E-06	2.95	**Ogfr**	opioid growth factor receptor
A_30_P01020133	1.73E-05	2.95		
A_51_P128575	3.93E-07	2.95	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_55_P2118268	2.76E-06	2.95	**Chpf**	chondroitin polymerizing factor
A_51_P411297	7.47E-06	2.95	**Nup50**	nucleoporin 50
A_30_P01019927	0.00033	2.95		
A_55_P2082989	0.000193	2.95	**5430435G22Rik**	RIKEN cDNA 5430435G22 gene
A_51_P424810	0.000501	2.95	**Ncapg2**	non-SMC condensin II complex, subunit G2
A_55_P2187220	6.18E-06	2.95	**Gm4884**	predicted gene 4884
A_30_P01026597	0.000106	2.95		
A_30_P01017801	8.30E-05	2.95		
A_55_P2073567	8.97E-06	2.95	**Epb4.1l4b**	erythrocyte protein band 4.1-like 4b
A_51_P196925	0.000104	2.95	**Cx3cl1**	chemokine (C-X3-C motif) ligand 1
A_55_P1972720	1.64E-06	2.95	**Pmm1**	phosphomannomutase 1
A_55_P1974877	4.92E-06	2.95	**Bcl2l1**	BCL2-like 1
A_30_P01032815	5.53E-05	2.95		
A_30_P01023907	1.19E-08	2.95		
A_30_P01021784	2.70E-05	2.95		

A_55_P2084763	1.34E-07	2.95	**Gm10775**	predicted gene 10775
A_51_P125446	4.03E-08	2.94	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_30_P01027646	1.82E-07	2.94		
A_55_P1974587	3.44E-06	2.94	**Vangl1**	vang-like 1 (van gogh, Drosophila)
A_52_P72237	8.67E-05	2.94	**Actg1**	actin, gamma, cytoplasmic 1
A_55_P2099810	0.001747	2.94	**Akap12**	A kinase (PRKA) anchor protein (gravin) 12
A_30_P01024117	0.000161	2.94		
A_30_P01022401	0.000131	2.94		
A_51_P100174	5.55E-05	2.94	**Mns1**	meiosis-specific nuclear structural protein 1
A_30_P01021001	2.36E-07	2.94		
A_30_P01028667	1.60E-08	2.94		
A_55_P2371796	0.00017	2.94	**AA419673**	expressed sequence AA419673
A_52_P280832	4.30E-05	2.94	**Defb34**	defensin beta 34
A_55_P2103937	4.46E-06	2.94	**Gm10362**	predicted gene 10362
A_55_P2150683	0.00067	2.94		
A_55_P2002220	5.19E-05	2.94		
A_55_P2470474	0.000214	2.94	**9530082P21Rik**	RIKEN cDNA 9530082P21 gene
A_30_P01032952	0.000164	2.94		
A_55_P2059680	0.003954	2.94	**Gm11938**	predicted gene 11938
A_51_P169445	1.20E-06	2.94	**Ccdc89**	coiled-coil domain containing 89
A_55_P2145262	9.58E-07	2.94		
A_52_P14666	4.94E-06	2.94		
A_55_P2076941	6.44E-05	2.94	**Ppil5**	peptidylprolyl isomerase (cyclophilin) like 5
A_30_P01030459	9.01E-05	2.94		
A_51_P341465	0.000171	2.94	**Csf2ra**	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
A_30_P01026229	6.54E-05	2.94		
A_52_P41294	5.22E-06	2.93	**Tmem209**	transmembrane protein 209
A_51_P411355	3.00E-06	2.93	**Taf1c**	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C
A_51_P244531	6.87E-07	2.93		
A_55_P1956906	8.88E-05	2.93	**Prss29**	protease, serine, 29
A_52_P675039	3.10E-05	2.93	**Fhad1**	forkhead-associated (FHA) phosphopeptide binding domain 1
A_55_P2104440	0.000161	2.93		
A_30_P01022738	1.22E-05	2.93		
A_66_P120603	0.00066	2.93	**Trps1**	trichorhinophalangeal syndrome I (human)
A_51_P132081	6.19E-06	2.93	**Rsl1**	regulator of sex limited protein 1
A_51_P411297	5.39E-06	2.93	**Nup50**	nucleoporin 50
A_30_P01025836	6.03E-07	2.93		
A_51_P100174	0.000104	2.93	**Mns1**	meiosis-specific nuclear structural protein 1
A_51_P139651	0.000523	2.93	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P2148248	1.04E-06	2.93		
A_51_P335081	1.30E-07	2.93	**Gnb1**	guanine nucleotide binding protein (G protein), beta 1
A_30_P01030823	3.55E-06	2.93		
A_30_P01028088	0.000283	2.93		
A_55_P1968743	3.19E-06	2.93	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_52_P563825	0.000294	2.93	**B3galt1**	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1
A_30_P01019540	0.000847	2.93		
A_52_P706060	0.000777	2.93	**Mex3a**	mex3 homolog A (C. elegans)
A_55_P2116305	6.16E-05	2.93	**Tnfrsf25**	tumor necrosis factor receptor superfamily, member 25
A_55_P2033120	4.38E-08	2.92	**Srxn1**	sulfiredoxin 1 homolog (S. cerevisiae)
A_51_P100174	3.26E-05	2.92	**Mns1**	meiosis-specific nuclear structural protein 1
A_55_P2138878	9.21E-06	2.92	**Lrfn4**	leucine rich repeat and fibronectin type III domain containing 4
A_55_P1957049	8.11E-05	2.92	**Bai1**	brain-specific angiogenesis inhibitor 1
A_30_P01033519	3.20E-06	2.92		
A_30_P01023914	0.002342	2.92		
A_55_P2081761	8.06E-05	2.92		
A_51_P202633	0.000614	2.92	**Ebi3**	Epstein-Barr virus induced gene 3
A_55_P2109043	1.20E-06	2.92	**A130082M07Rik**	RIKEN cDNA A130082M07 gene
A_51_P252650	2.74E-05	2.92	**Olfr338**	olfactory receptor 338
A_55_P2051778	1.94E-05	2.92	**Sult2b1**	sulfotransferase family, cytosolic, 2B, member 1
A_52_P151853	2.86E-07	2.92	**Tpd52**	tumor protein D52
A_30_P01017583	0.000235	2.92		
A_55_P2181552	1.64E-05	2.92	**Gm44**	predicted gene 44
A_51_P495171	3.21E-05	2.92	**2610029G23Rik**	RIKEN cDNA 2610029G23 gene
A_55_P1994270	3.57E-05	2.91	**Far1**	fatty acyl CoA reductase 1
A_55_P2022128	2.58E-05	2.91	**Cntnap1**	contactin associated protein-like 1
A_52_P1020860	1.34E-05	2.91	**AW112010**	expressed sequence AW112010
A_55_P2127959	1.24E-05	2.91	**Zfp36l3**	zinc finger protein 36, C3H type-like 3
A_55_P2184197	0.000129	2.91	**Yy2**	Yy2 transcription factor
A_55_P2184123	0.000402	2.91	**Atp1a4**	ATPase, Na+/K+ transporting, alpha 4 polypeptide
A_30_P01027167	2.31E-05	2.91		
A_52_P282762	3.37E-05	2.91	**Myd88**	myeloid differentiation primary response gene 88
A_55_P2364755	1.92E-05	2.91	**LOC100505078**	hypothetical protein LOC100505078
A_55_P2473316	6.88E-08	2.91	**Mapre1**	microtubule-associated protein, RP/EB family, member 1
A_30_P01030876	5.25E-07	2.91		
A_52_P640296	0.000133	2.91	**Fmnl2**	formin-like 2
A_51_P201480	1.42E-06	2.91	**Stat3**	signal transducer and activator of transcription 3
A_30_P01029239	0.00197	2.91		
A_55_P2124976	4.78E-05	2.91	**Grhl1**	grainyhead-like 1 (Drosophila)
A_30_P01022474	8.72E-08	2.91		
A_30_P01030858	2.20E-05	2.91		
A_30_P01024857	1.87E-05	2.91		
A_52_P355084	7.74E-06	2.91	**Metrnl**	meteorin, glial cell differentiation regulator-like
A_30_P01019531	3.71E-05	2.91		
A_55_P2386256	1.57E-05	2.91	**D130062J10Rik**	RIKEN cDNA D130062J10 gene
A_51_P125691	1.01E-05	2.91	**Cdca4**	cell division cycle associated 4
A_55_P2154049	7.17E-05	2.91		
A_30_P01018875	7.38E-07	2.90		
A_55_P2170105	3.55E-07	2.90		
A_30_P01029783	3.16E-05	2.90		
A_52_P271572	1.58E-05	2.90	**Ece2**	endothelin converting enzyme 2
A_51_P124254	7.75E-05	2.90	**Col4a1**	collagen, type IV, alpha 1
A_30_P01030934	0.000157	2.90		
A_30_P01030435	0.000306	2.90		
A_51_P232649	8.31E-06	2.90	**Olfr706**	olfactory receptor 706
A_30_P01019568	0.000938	2.90		

A_55_P2043267	4.75E-07	2.90	**Cdc42se1**	CDC42 small effector 1
A_51_P224593	2.17E-06	2.90	**Arl8a**	ADP-ribosylation factor-like 8A
A_52_P378287	7.81E-05	2.90	**Lca5**	Leber congenital amaurosis 5 (human)
A_55_P2008181	1.90E-06	2.90	**Il3ra**	interleukin 3 receptor, alpha chain
A_51_P128575	1.19E-05	2.90	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_55_P2101939	3.57E-06	2.90	**Zfp112**	zinc finger protein 112
A_55_P2015178	2.07E-06	2.90	**Nap1l1**	nucleosome assembly protein 1-like 1
A_55_P1998761	0.000974	2.90	**Adck4**	aarF domain containing kinase 4
A_51_P420577	0.002385	2.90	**Olfr983**	olfactory receptor 983
A_30_P01018267	1.40E-05	2.90		
A_55_P2237129	0.000161	2.90	**St6galnac5**	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransfer
A_66_P124724	6.23E-05	2.90	**Rnf19b**	ring finger protein 19B
A_55_P2062667	0.000528	2.90		
A_55_P1964585	1.03E-06	2.90		
A_51_P325165	3.72E-05	2.89	**Il27**	interleukin 27
A_30_P01026403	1.05E-05	2.89		
A_51_P153013	2.81E-06	2.89	**Gm16516**	predicted gene, Gm16516
A_55_P2000487	0.000294	2.89	**Srebf2**	sterol regulatory element binding factor 2
A_55_P2084641	3.17E-07	2.89		
A_30_P01032502	1.61E-05	2.89		
A_52_P15212	2.68E-05	2.89	**Ctbp2**	C-terminal binding protein 2
A_30_P01027957	1.03E-06	2.89		
A_51_P286826	1.23E-05	2.89	**March10**	membrane-associated ring finger (C3HC4) 10
A_51_P442097	8.13E-05	2.89	**Slc41a3**	solute carrier family 41, member 3
A_55_P2070441	1.24E-05	2.89	**Sp6**	trans-acting transcription factor 6
A_52_P582374	1.29E-05	2.89	**Epsti1**	epithelial stromal interaction 1 (breast)
A_55_P1954156	1.65E-05	2.89	**Wdr43**	WD repeat domain 43
A_66_P101935	0.000413	2.89	**Krt6b**	keratin 6B
A_55_P1990066	0.001027	2.89		
A_30_P01023007	1.94E-09	2.89		
A_51_P356762	9.09E-06	2.89	**Mcm4**	minichromosome maintenance deficient 4 homolog (S. cerevisiae)
A_55_P2124498	4.63E-06	2.89	**Il17rb**	interleukin 17 receptor B
A_30_P01030707	0.000249	2.89		
A_51_P196972	2.22E-05	2.88	**Slc4a1**	solute carrier family 4 (anion exchanger), member 1
A_55_P2251121	0.000127	2.88	**B230214O09Rik**	RIKEN cDNA B230214O09 gene
A_51_P457528	0.004365	2.88	**Ccnb2**	cyclin B2
A_55_P2161773	9.82E-08	2.88	**Mpp3**	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)
A_65_P08864	3.92E-06	2.88	**Dph5**	DPH5 homolog (S. cerevisiae)
A_55_P2077133	2.12E-06	2.88	**Oxsr1**	oxidative-stress responsive 1
A_30_P01030095	0.0026	2.88		
A_55_P2182222	0.000194	2.88	**Rab3c**	RAB3C, member RAS oncogene family
A_30_P01028226	4.67E-06	2.88		
A_55_P1997375	0.000303	2.88		
A_51_P139651	0.000201	2.88	**Nos3**	nitric oxide synthase 3, endothelial cell
A_51_P450527	5.05E-06	2.88	**Tagln**	transgelin
A_51_P105709	6.08E-07	2.88	**Trip13**	thyroid hormone receptor interactor 13
A_30_P01029147	3.77E-05	2.88		
A_55_P1998827	1.49E-05	2.88		
A_55_P2091305	2.88E-07	2.88		
A_51_P495581	0.000518	2.87	**Tlr1**	toll-like receptor 1
A_55_P1962946	0.000597	2.87	**Sykb**	spleen tyrosine kinase
A_51_P407999	4.03E-08	2.87	**1500011B03Rik**	RIKEN cDNA 1500011B03 gene
A_52_P612382	0.000808	2.87	**Cdc25b**	cell division cycle 25 homolog B (S. pombe)
A_55_P2133195	3.63E-05	2.87	**Gm4951**	predicted gene 4951
A_55_P1970324	0.000224	2.87		
A_30_P01021799	2.50E-06	2.87		
A_55_P2115871	0.00068	2.87	**Inpp5j**	inositol polyphosphate 5-phosphatase J
A_55_P2124183	7.56E-06	2.87		
A_55_P2003502	0.000292	2.87		
A_52_P657123	0.000128	2.87		
A_55_P2031125	3.23E-07	2.87	**Ube2l6**	ubiquitin-conjugating enzyme E2L 6
A_55_P2015807	5.58E-05	2.87		
A_51_P367125	9.05E-06	2.87	**Pold1**	polymerase (DNA directed), delta 1, catalytic subunit
A_55_P1998937	1.28E-07	2.87	**H2-M11**	histocompatibility 2, M region locus 11
A_55_P2076998	0.000111	2.87	**Csn1s2b**	casein alpha s2-like B
A_55_P2167032	0.00079	2.87	**Gjd3**	gap junction protein, delta 3
A_55_P2116059	0.000108	2.87	**Aim1**	absent in melanoma 1
A_65_P12152	2.17E-05	2.87	**Rasa2**	RAS p21 protein activator 2
A_30_P01030778	1.77E-06	2.87		
A_51_P399845	0.000208	2.87	**Fgf2**	fibroblast growth factor 2
A_55_P2042487	1.84E-05	2.86	**Dpysl3**	dihydropyrimidinase-like 3
A_51_P112174	0.000101	2.86	**Ahi1**	Abelson helper integration site 1
A_55_P2051476	0.000168	2.86	**C8a**	complement component 8, alpha polypeptide
A_55_P2143436	8.18E-08	2.86		
A_55_P2021555	1.33E-08	2.86	**Tbrg1**	transforming growth factor beta regulated gene 1
A_55_P2165394	0.000497	2.86		
A_55_P2055732	0.000285	2.86		
A_30_P01027931	1.38E-05	2.86		
A_55_P1961690	2.39E-07	2.86	**Tctex1d2**	Tctex1 domain containing 2
A_51_P139651	0.000187	2.86	**Nos3**	nitric oxide synthase 3, endothelial cell
A_51_P411297	7.48E-06	2.86	**Nup50**	nucleoporin 50
A_52_P641922	1.16E-05	2.86	**Nhlrc3**	NHL repeat containing 3
A_55_P2036567	9.86E-05	2.86	**Vav1**	vav 1 oncogene
A_55_P2099961	3.28E-05	2.86	**Hist1h2ag**	histone cluster 1, H2ag
A_55_P2205760	1.27E-07	2.86	**C88045**	expressed sequence C88045
A_52_P475854	1.07E-05	2.86	**Nol10**	nucleolar protein 10
A_30_P01025718	9.97E-05	2.86		
A_30_P01031482	1.21E-06	2.86		
A_51_P117115	1.72E-05	2.86	**Olfr53**	olfactory receptor 53
A_51_P349495	1.67E-05	2.86	**Mboat1**	membrane bound O-acyltransferase domain containing 1
A_30_P01026339	2.09E-05	2.86		
A_55_P2023747	1.38E-07	2.86	**Mfsd10**	major facilitator superfamily domain containing 10
A_51_P337125	4.59E-05	2.86	**Inpp5d**	inositol polyphosphate-5-phosphatase D
A_51_P262670	6.37E-07	2.86	**Rbm38**	RNA binding motif protein 38
A_55_P2060284	7.91E-05	2.86	**Itpripl2**	inositol 1,4,5-triphosphate receptor interacting protein-like 2

A_55_P2145470	1.49E-06	2.85		
A_30_P01023974	6.49E-06	2.85		
A_51_P160907	2.83E-05	2.85	**Morc3**	microrchidia 3
A_51_P203501	1.55E-06	2.85	**Vars**	valyl-tRNA synthetase
A_55_P2165199	0.001557	2.85	**Cxcr6**	chemokine (C-X-C motif) receptor 6
A_51_P317254	2.41E-05	2.85	**Defb11**	defensin beta 11
A_55_P1990373	1.81E-06	2.85	**Trnp1**	TMF1-regulated nuclear protein 1
A_66_P113878	2.00E-05	2.85	**Gm3325**	predicted gene 3325
A_55_P2088495	1.66E-08	2.85		
A_55_P2077515	0.001162	2.85		
A_30_P01028030	4.78E-07	2.85		
A_55_P2038752	8.48E-07	2.85	**Olfr18**	olfactory receptor 18
A_52_P53906	0.000308	2.85	**Ccnd2**	cyclin D2
A_55_P1974035	1.12E-06	2.85	**Grin2a**	glutamate receptor, ionotropic, NMDA2A (epsilon 1)
A_30_P01028319	0.000193	2.85		
A_55_P2023118	0.000142	2.85	**Prss28**	protease, serine, 28
A_55_P2157469	1.35E-07	2.85		
A_30_P01023785	0.000368	2.85		
A_55_P2034928	9.03E-07	2.85	**BC147527**	cDNA sequence BC147527
A_51_P110888	0.000305	2.85	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_30_P01022237	2.69E-06	2.85		
A_55_P2384009	2.53E-06	2.85	**C81489**	expressed sequence C81489
A_51_P460734	8.13E-05	2.84	**Prkcd**	protein kinase C, delta
A_55_P2070825	8.10E-11	2.84	**Nudt5**	nudix (nucleoside diphosphate linked moiety X)-type motif 5
A_30_P01020630	3.21E-06	2.84		
A_55_P2079142	1.00E-07	2.84	**Fam124b**	family with sequence similarity 124, member B
A_55_P1978136	3.10E-06	2.84	**Tnip2**	TNFAIP3 interacting protein 2
A_55_P2022369	0.000236	2.84	**Lbh**	limb-bud and heart
A_51_P494125	0.00011	2.84	**Alpl**	alkaline phosphatase, liver/bone/kidney
A_55_P2065953	2.46E-05	2.84	**Btbd19**	BTB (POZ) domain containing 19
A_55_P1969650	0.000731	2.84	**Rasgrp1**	RAS guanyl releasing protein 1
A_55_P2051082	0.000232	2.84		
A_30_P01025213	0.005043	2.84		
A_30_P01024845	8.95E-05	2.84		
A_30_P01018312	3.34E-05	2.84		
A_30_P01024929	1.98E-05	2.84		
A_55_P2072284	0.000802	2.84	**6030429G01Rik**	RIKEN cDNA 6030429G01 gene
A_30_P01030011	0.000124	2.84		
A_55_P2011567	3.51E-05	2.84	**LOC100505352**	hypothetical LOC100505352
A_55_P2139318	2.43E-06	2.83		
A_66_P132515	0.000188	2.83	**Chmp4c**	chromatin modifying protein 4C
A_51_P167763	1.85E-07	2.83	**Kcnk13**	potassium channel, subfamily K, member 13
A_55_P2085150	2.05E-07	2.83	**Gm4461**	predicted gene 4461
A_30_P01029590	4.37E-06	2.83		
A_65_P08507	6.39E-09	2.83	**Adam23**	a disintegrin and metallopeptidase domain 23
A_65_P14951	4.07E-06	2.83	**Cblb**	Casitas B-lineage lymphoma b
A_51_P446469	1.54E-05	2.83	**Dok2**	docking protein 2
A_51_P161463	5.81E-06	2.83	**Ccdc103**	coiled-coil domain containing 103
A_51_P124254	3.54E-05	2.83	**Col4a1**	collagen, type IV, alpha 1
A_55_P1972719	3.71E-06	2.83	**Pmm1**	phosphomannomutase 1
A_30_P01025121	2.28E-05	2.83		
A_51_P124254	2.94E-05	2.83	**Col4a1**	collagen, type IV, alpha 1
A_55_P2014853	0.001147	2.83		
A_55_P2010196	5.38E-06	2.83	**Serpina10**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10
A_30_P01023759	0.000219	2.83		
A_52_P100341	0.001291	2.83	**Zfp334**	zinc finger protein 334
A_55_P2038247	1.67E-07	2.83	**Tyro3**	TYRO3 protein tyrosine kinase 3
A_51_P446510	5.07E-05	2.83	**Emp3**	epithelial membrane protein 3
A_51_P147422	0.005955	2.83	**Kctd19**	potassium channel tetramerisation domain containing 19
A_55_P2322555	0.000899	2.83	**5930433N17Rik**	RIKEN cDNA 5930433N17 gene
A_51_P112174	4.40E-06	2.82	**Ahi1**	Abelson helper integration site 1
A_30_P01021404	6.24E-07	2.82		
A_55_P1961370	1.10E-05	2.82		
A_30_P01031662	0.000533	2.82		
A_30_P01027070	5.73E-07	2.82		
A_55_P2079922	0.000606	2.82	**Ccdc78**	coiled-coil domain containing 78
A_55_P2013113	1.58E-07	2.82	**Bak1**	BCL2-antagonist/killer 1
A_66_P125910	2.85E-06	2.82		
A_51_P139651	0.000339	2.82	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P2009086	3.91E-06	2.82	**Creb3l1**	cAMP responsive element binding protein 3-like 1
A_51_P227275	0.000115	2.82	**Csn3**	casein kappa
A_51_P139651	0.000256	2.82	**Nos3**	nitric oxide synthase 3, endothelial cell
A_30_P01023606	2.27E-05	2.82		
A_55_P2150299	6.16E-08	2.82	**E030030I06Rik**	RIKEN cDNA E030030I06 gene
A_55_P2207220	9.09E-06	2.82	**Gm10065**	predicted gene 10065
A_51_P110888	0.002565	2.82	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_55_P1955009	5.49E-05	2.82	**C130079G13Rik**	RIKEN cDNA C130079G13 gene
A_55_P2061620	1.70E-05	2.82	**Chst1**	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1
A_55_P2157799	0.000216	2.82	**Myo7b**	myosin VIIB
A_55_P2015038	3.88E-06	2.82		
A_51_P139651	0.000481	2.82	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P2067652	3.24E-06	2.82	**Boc**	biregional cell adhesion molecule-related/down-regulated by oncogenes (Cdon) binding protein
A_55_P2076041	2.07E-06	2.82	**Tas2r137**	taste receptor, type 2, member 137
A_55_P2104963	1.27E-05	2.82		
A_30_P01029262	1.36E-05	2.82		
A_55_P2203284	3.28E-06	2.81	**9130213A22Rik**	RIKEN cDNA 9130213A22 gene
A_55_P1956418	2.46E-05	2.81	**Efr3b**	EFR3 homolog B (S. cerevisiae)
A_55_P2051666	2.75E-05	2.81	**Nfkbib**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
A_55_P2050652	2.09E-08	2.81	**Ikbkg**	inhibitor of kappaB kinase gamma
A_51_P100174	8.37E-05	2.81	**Mns1**	meiosis-specific nuclear structural protein 1
A_55_P2136214	6.36E-05	2.81		
A_55_P2367878	0.000786	2.81	**Ncrna00085**	non-protein coding RNA 85
A_55_P1955279	0.000142	2.81	**Specc1**	sperm antigen with calponin homology and coiled-coil domains 1
A_55_P2096086	3.14E-06	2.81	**Myo5b**	myosin VB
A_55_P2000007	5.76E-08	2.81		

A_55_P2034027	6.38E-05	2.81	**Nos3**	nitric oxide synthase 3, endothelial cell
A_55_P2145804	1.12E-06	2.81	**Aen**	apoptosis enhancing nuclease
A_55_P2117525	0.000247	2.81	**Rbm3**	RNA binding motif protein 3
A_66_P113466	0.00058	2.81		
A_55_P2161380	0.000849	2.81	**Galr3**	galanin receptor 3
A_55_P2083059	3.38E-05	2.81	**Hps1**	Hermansky-Pudlak syndrome 1 homolog (human)
A_51_P381988	1.79E-05	2.81	**Hmx1**	H6 homeobox 1
A_66_P128453	0.000115	2.81		
A_51_P327188	0.000125	2.81	**Senp1**	SUMO1/sentrin specific peptidase 1
A_30_P01026824	9.32E-07	2.81		
A_51_P105927	2.17E-07	2.81	**Rasl12**	RAS-like, family 12
A_55_P2001334	5.06E-06	2.81	**Gpr31c**	G protein-coupled receptor 31, D17Leh66c region
A_30_P01022033	0.000382	2.81		
A_55_P2329313	6.22E-06	2.81	**C530014P21Rik**	RIKEN cDNA C530014P21 gene
A_55_P1975215	8.15E-05	2.81	**Npas4**	neuronal PAS domain protein 4
A_30_P01022882	3.40E-06	2.81		
A_51_P160824	3.09E-06	2.81	**Cspg4**	chondroitin sulfate proteoglycan 4
A_30_P01024483	7.74E-05	2.81		
A_55_P2155582	0.001219	2.81	**Nin**	ninein
A_51_P222280	7.27E-05	2.81	**Ikbke**	inhibitor of kappaB kinase epsilon
A_55_P2147310	5.69E-08	2.80	**Mkl1**	MKL (megakaryoblastic leukemia)/myocardin-like 1
A_55_P1962344	0.000121	2.80	**Trim21**	tripartite motif-containing 21
A_52_P283368	0.000169	2.80	**LOC635992**	ubiquitin-conjugating enzyme E2 variant 2-like
A_55_P2154404	1.90E-05	2.80		
A_52_P157880	1.15E-08	2.80		
A_30_P01030534	5.87E-05	2.80		
A_55_P1965616	3.01E-05	2.80	**1700019G17Rik**	RIKEN cDNA 1700019G17 gene
A_55_P2018417	1.19E-05	2.80	**Osbpl3**	oxysterol binding protein-like 3
A_30_P01019634	0.001563	2.80		
A_30_P01026977	0.000289	2.80		
A_30_P01030388	2.83E-05	2.80		
A_55_P2077188	0.000212	2.80	**Stxbp1**	syntaxin binding protein 1
A_55_P2253195	7.87E-07	2.80	**1700025L06Rik**	RIKEN cDNA 1700025L06 gene
A_30_P01024291	7.53E-07	2.80		
A_66_P103493	4.18E-06	2.80	**AA387883**	expressed sequence AA387883
A_55_P2094616	2.30E-07	2.80		
A_66_P125734	6.26E-06	2.80	**Tnip2**	TNFAIP3 interacting protein 2
A_30_P01020021	2.09E-05	2.80		
A_55_P2001920	3.59E-06	2.80	**Flna**	filamin, alpha
A_30_P01019541	9.19E-07	2.80		
A_30_P01027914	0.000124	2.80		
A_30_P01031267	2.50E-07	2.80		
A_55_P2017789	2.87E-05	2.80	**Il4ra**	interleukin 4 receptor, alpha
A_51_P237806	3.59E-05	2.80	**Olfr1284**	olfactory receptor 1284
A_55_P1989544	1.38E-05	2.80	**Cklf**	chemokine-like factor
A_55_P2117081	8.02E-06	2.80		
A_55_P2097814	4.63E-05	2.80	**Olfr122**	olfactory receptor 122
A_55_P2133826	0.000363	2.80	**6430531B16Rik**	RIKEN cDNA 6430531B16 gene
A_65_P06572	5.05E-06	2.80	**Smad5**	MAD homolog 5 (Drosophila)
A_55_P2037657	5.19E-08	2.80		
A_55_P2180347	0.000195	2.79		
A_55_P1985984	3.25E-05	2.79	**Actg1**	actin, gamma, cytoplasmic 1
A_55_P2035742	4.29E-06	2.79	**Reg3d**	regenerating islet-derived 3 delta
A_55_P2121608	9.11E-08	2.79	**Sox4**	SRY-box containing gene 4
A_55_P2084448	1.03E-06	2.79	**BC017643**	cDNA sequence BC017643
A_52_P628580	0.002247	2.79	**Ggt7**	gamma-glutamyltransferase 7
A_55_P2068977	2.26E-06	2.79	**Armcx3**	armadillo repeat containing, X-linked 3
A_55_P2396446	8.34E-08	2.79	**5530400B01Rik**	RIKEN cDNA 5530400B01 gene
A_55_P2150228	6.82E-06	2.79	**Paxip1**	PAX interacting (with transcription-activation domain) protein 1
A_51_P261835	2.60E-07	2.79	**Tmem8c**	transmembrane protein 8C
A_51_P110888	1.09E-05	2.79	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_55_P2162688	0.000833	2.79	**Tcrg-C**	T-cell receptor gamma, constant region
A_55_P2012096	2.43E-06	2.79	**Bmp8a**	bone morphogenetic protein 8a
A_55_P2017924	0.000146	2.79	**A630089N07Rik**	RIKEN cDNA A630089N07 gene
A_55_P2003513	2.20E-05	2.79	**Hsph1**	heat shock 105kDa/110kDa protein 1
A_55_P2115582	2.45E-05	2.78	**Slc20a1**	solute carrier family 20, member 1
A_55_P2032147	0.000627	2.78	**Wnt9a**	wingless-type MMTV integration site 9A
A_55_P2027136	8.73E-06	2.78	**Hist1h3f**	histone cluster 1, H3f
A_55_P2178530	1.02E-05	2.78		
A_55_P2074917	0.000451	2.78		
A_55_P2055587	0.000319	2.78	**Enpp4**	ectonucleotide pyrophosphatase/phosphodiesterase 4
A_51_P100174	0.00056	2.78	**Mns1**	meiosis-specific nuclear structural protein 1
A_55_P1972263	3.97E-07	2.78	**Nop56**	NOP56 ribonucleoprotein homolog (yeast)
A_51_P476449	6.35E-06	2.78	**Olfr456**	olfactory receptor 456
A_51_P240253	0.000835	2.78	**Rrad**	Ras-related associated with diabetes
A_55_P1952925	1.62E-06	2.78	**AI854703**	expressed sequence AI854703
A_55_P2028404	2.63E-07	2.78		
A_51_P100991	1.76E-05	2.78	**Gucy2c**	guanylate cyclase 2c
A_30_P01026903	7.41E-06	2.78		
A_55_P2034705	1.39E-06	2.78	**Nmi**	N-myc (and STAT) interactor
A_51_P110888	9.96E-05	2.78	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_52_P377576	8.35E-08	2.77	**Ap1s3**	adaptor-related protein complex AP-1, sigma 3
A_55_P2025612	0.001993	2.77	**Psme2**	proteasome (prosome, macropain) 28 subunit, beta
A_55_P2182483	1.09E-06	2.77	**Cd47**	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
A_30_P01026573	6.82E-05	2.77		
A_55_P2025870	5.26E-06	2.77	**A730037C10Rik**	RIKEN cDNA A730037C10 gene
A_55_P2314229	4.13E-06	2.77	**C920021A13**	hypothetical protein C920021A13
A_66_P116998	6.32E-05	2.77	**Tro**	trophinin
A_51_P283968	0.000212	2.77	**Adamts18**	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 18
A_52_P370392	1.62E-06	2.77	**Mapk8ip2**	mitogen-activated protein kinase 8 interacting protein 2
A_52_P116120	7.59E-05	2.77	**Coro2a**	coronin, actin binding protein 2A
A_55_P2001489	4.84E-05	2.77	**Il19**	interleukin 19
A_55_P2397400	0.001921	2.77	**F830034J09Rik**	RIKEN cDNA F830034J09 gene
A_51_P124254	1.11E-05	2.77	**Col4a1**	collagen, type IV, alpha 1
A_51_P244824	0.000171	2.77	**Dapp1**	dual adaptor for phosphotyrosine and 3-phosphoinositides 1

A_55_P1981595	7.78E-05	2.77	**Olfr470**	olfactory receptor 470
A_55_P2351215	0.000163	2.77	**3300002P13Rik**	RIKEN cDNA 3300002P13 gene
A_55_P2276761	5.62E-05	2.77	**4930474N09Rik**	RIKEN cDNA 4930474N09 gene
A_55_P2037618	0.000331	2.77	**C130039O16Rik**	RIKEN cDNA C130039O16 gene
A_55_P1953475	3.86E-10	2.77		
A_66_P113008	3.63E-05	2.77	**Pla2g2e**	phospholipase A2, group IIE
A_51_P201480	4.84E-07	2.77	**Stat3**	signal transducer and activator of transcription 3
A_55_P2088237	0.000513	2.77	**Cyp27b1**	cytochrome P450, family 27, subfamily b, polypeptide 1
A_30_P01031970	0.000139	2.77		
A_55_P1978987	7.68E-05	2.77	**Ifih1**	interferon induced with helicase C domain 1
A_55_P2015177	1.29E-06	2.77		
A_55_P2131865	2.60E-06	2.77	**Krtap10-10**	keratin associated protein 10-10
A_51_P315795	5.60E-07	2.77	**Tubb4**	tubulin, beta 4
A_30_P01021232	0.004177	2.77		
A_55_P1958845	1.39E-06	2.77		
A_55_P2156175	6.23E-06	2.76		
A_30_P01024976	0.001078	2.76		
A_30_P01029727	1.53E-06	2.76		
A_30_P01018738	2.15E-06	2.76		
A_30_P01022696	4.22E-10	2.76		
A_55_P2348948	0.00029	2.76		
A_55_P1963868	0.000115	2.76	**Plekho2**	pleckstrin homology domain containing, family O member 2
A_30_P01031333	3.68E-07	2.76		
A_51_P124254	4.27E-05	2.76	**Col4a1**	collagen, type IV, alpha 1
A_55_P2041310	1.00E-06	2.76		
A_55_P2135031	4.13E-07	2.76		
A_30_P01019396	9.37E-08	2.76		
A_55_P2051834	0.000108	2.76	**Layn**	layilin
A_55_P2092391	3.11E-05	2.76	**Ctbs**	chitobiase, di-N-acetyl-
A_51_P201480	4.14E-06	2.76	**Stat3**	signal transducer and activator of transcription 3
A_51_P196844	6.10E-05	2.76	**Osbpl3**	oxysterol binding protein-like 3
A_55_P2092557	1.53E-08	2.76		
A_51_P124254	4.78E-06	2.76	**Col4a1**	collagen, type IV, alpha 1
A_55_P1966987	2.72E-06	2.76	**Limk1**	LIM-domain containing, protein kinase
A_55_P1963364	0.000482	2.76	**Fam55c**	family with sequence similarity 55, member C
A_30_P01029034	0.001325	2.76		
A_55_P2179582	3.33E-05	2.76	**Nmur2**	neuromedin U receptor 2
A_51_P124254	6.92E-06	2.76	**Col4a1**	collagen, type IV, alpha 1
A_30_P01017473	0.00017	2.75		
A_55_P2027077	1.42E-05	2.75	**Shc2**	SHC (Src homology 2 domain containing) transforming protein 2
A_66_P125392	1.62E-07	2.75	**Atp8b4**	ATPase, class I, type 8B, member 4
A_52_P527106	0.002736	2.75	**Arhgap12**	Rho GTPase activating protein 12
A_55_P2182162	3.56E-06	2.75		
A_55_P2074206	6.80E-07	2.75	**Dlgap4**	discs, large homolog-associated protein 4 (Drosophila)
A_66_P107379	0.000251	2.75	**Mdk**	midkine
A_52_P72587	5.24E-05	2.75	**Prkcq**	protein kinase C, theta
A_55_P2123711	6.46E-06	2.75		
A_30_P01020562	1.68E-06	2.75		
A_51_P125691	1.76E-05	2.75	**Cdca4**	cell division cycle associated 4
A_51_P262340	8.78E-05	2.75	**Rbm3**	RNA binding motif protein 3
A_51_P426754	1.25E-07	2.75	**Anxa5**	annexin A5
A_51_P221248	0.000253	2.75	**Tspan32**	tetraspanin 32
A_30_P01021779	8.08E-06	2.75		
A_30_P01033129	1.44E-05	2.75		
A_66_P111534	0.005388	2.75	**5430431A17Rik**	RIKEN cDNA 5430431A17 gene
A_55_P2364916	1.40E-05	2.75	**8030402F09Rik**	RIKEN cDNA 8030402F09 gene
A_30_P01022465	2.78E-05	2.75		
A_52_P578562	1.88E-05	2.75	**Slc41a1**	solute carrier family 41, member 1
A_55_P1952202	1.37E-08	2.75		
A_55_P2048912	0.000943	2.75	**BC013712**	cDNA sequence BC013712
A_55_P2034420	3.78E-09	2.75		
A_55_P2079425	9.71E-07	2.75	**Spred1**	sprouty protein with EVH-1 domain 1, related sequence
A_30_P01025052	3.02E-05	2.75		
A_55_P2148340	0.000209	2.74		
A_55_P2274592	0.000758	2.74	**Wnt7b**	wingless-related MMTV integration site 7B
A_55_P1961152	1.67E-06	2.74	**Pou3f1**	POU domain, class 3, transcription factor 1
A_51_P423091	4.89E-09	2.74	**Flot1**	flotillin 1
A_65_P04980	3.99E-07	2.74	**Ilf3**	interleukin enhancer binding factor 3
A_51_P173735	0.000122	2.74	**Dock11**	dedicator of cytokinesis 11
A_66_P134453	7.43E-06	2.74	**I830077J02Rik**	RIKEN cDNA I830077J02 gene
A_30_P01021917	5.00E-09	2.74		
A_51_P126302	1.31E-05	2.74	**Rbmx2**	RNA binding motif protein, X-linked 2
A_30_P01020150	0.000784	2.74		
A_30_P01024799	0.000255	2.74		
A_55_P1976387	0.000509	2.74	**Gimap4**	GTPase, IMAP family member 4
A_51_P104939	0.001305	2.74	**Klra5**	killer cell lectin-like receptor, subfamily A, member 5
A_55_P2157102	4.34E-08	2.74		
A_51_P201480	1.69E-06	2.74	**Stat3**	signal transducer and activator of transcription 3
A_52_P426740	0.000188	2.74	**Rab27a**	RAB27A, member RAS oncogene family
A_55_P2136145	8.49E-05	2.74	**Cnn3**	calponin 3, acidic
A_55_P2272221	0.00057	2.74	**D8Ertd769e**	DNA segment, Chr 8, ERATO Doi 769, expressed
A_55_P2254276	8.52E-06	2.74	**Ints2**	integrator complex subunit 2
A_30_P01018337	1.72E-08	2.74		
A_55_P2142863	8.16E-06	2.74	**Parp9**	poly (ADP-ribose) polymerase family, member 9
A_55_P2012819	6.20E-07	2.74	**Sec61a2**	Sec61, alpha subunit 2 (S. cerevisiae)
A_55_P2143517	2.29E-06	2.74	**Fstl1**	follistatin-like 1
A_52_P296632	2.00E-05	2.74		
A_55_P2015124	9.66E-07	2.73		
A_55_P2337073	0.002577	2.73	**Mid1**	midline 1
A_51_P466378	6.41E-05	2.73	**Itgal**	integrin alpha L
A_30_P01023196	3.74E-07	2.73		
A_30_P01022206	0.000184	2.73		
A_30_P01022280	0.002395	2.73		
A_55_P2021810	0.000545	2.73	**Arc**	activity regulated cytoskeletal-associated protein
A_55_P2080220	3.05E-06	2.73	**Cyp2b19**	cytochrome P450, family 2, subfamily b, polypeptide 19

A_51_P125691	1.38E-06	2.73	**Cdca4**	cell division cycle associated 4
A_55_P2055324	1.64E-05	2.73	**Spint1**	serine protease inhibitor, Kunitz type 1
A_30_P01021815	1.18E-06	2.73		
A_30_P01025549	0.00065	2.73		
A_30_P01026198	0.000548	2.73		
A_30_P01018112	7.23E-10	2.73		
A_51_P233334	0.000234	2.73	**Stc1**	stanniocalcin 1
A_51_P310649	2.32E-07	2.73	**Arsa**	arylsulfatase A
A_52_P254298	4.67E-06	2.73	**Slc11a2**	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
A_52_P28057	1.14E-06	2.73	**Gm14124**	predicted gene 14124
A_55_P2171508	0.005898	2.73	**Wipf1**	WAS/WASL interacting protein family, member 1
A_30_P01022771	2.09E-05	2.73		
A_51_P125446	1.44E-07	2.73	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2045188	6.15E-06	2.73		
A_55_P2163098	1.10E-05	2.73	**Akr1c18**	aldo-keto reductase family 1, member C18
A_55_P2061899	6.96E-06	2.73		
A_55_P1957633	6.85E-05	2.73	**Gpsm3**	G-protein signalling modulator 3 (AGS3-like, C. elegans)
A_52_P671062	1.19E-06	2.73	**Uba6**	ubiquitin-like modifier activating enzyme 6
A_30_P01025499	6.33E-05	2.73		
A_51_P234359	0.000233	2.73	**Sct**	secretin
A_30_P01022082	1.23E-06	2.73		
A_30_P01025326	7.72E-05	2.73		
A_30_P01021881	9.14E-09	2.73		
A_55_P2128526	1.23E-05	2.73	**Pfn2**	profilin 2
A_55_P2112500	0.005917	2.72		
A_30_P01029260	2.68E-05	2.72		
A_55_P1988498	7.18E-05	2.72	**Naa20**	N(alpha)-acetyltransferase 20, NatB catalytic subunit
A_52_P582858	9.09E-06	2.72	**Dgkd**	diacylglycerol kinase, delta
A_55_P2147971	1.80E-08	2.72	**Ranbp1**	RAN binding protein 1
A_30_P01025301	3.89E-06	2.72		
A_30_P01032476	4.40E-07	2.72		
A_51_P185292	8.99E-05	2.72	**4930581F22Rik**	RIKEN cDNA 4930581F22 gene
A_30_P01031429	0.000251	2.72		
A_55_P2102065	9.52E-05	2.72	**Gm10639**	predicted gene 10639
A_55_P2075385	6.52E-08	2.72	**Orai2**	ORAI calcium release-activated calcium modulator 2
A_30_P01021996	0.002186	2.72		
A_55_P2031436	2.67E-07	2.72	**Ly6e**	lymphocyte antigen 6 complex, locus E
A_51_P201480	7.90E-07	2.72	**Stat3**	signal transducer and activator of transcription 3
A_30_P01029144	0.001904	2.72		
A_30_P01027827	0.000683	2.72		
A_66_P134488	0.000774	2.72	**Lif**	leukemia inhibitory factor
A_51_P124254	3.46E-05	2.72	**Col4a1**	collagen, type IV, alpha 1
A_51_P201480	1.34E-06	2.72	**Stat3**	signal transducer and activator of transcription 3
A_51_P117115	0.00024	2.72	**Olfr53**	olfactory receptor 53
A_30_P01027020	2.48E-05	2.72		
A_30_P01026381	0.000155	2.72		
A_52_P372013	0.00068	2.72	**Zfp9**	zinc finger protein 9
A_30_P01028586	0.000274	2.72		
A_30_P01030676	0.004515	2.72		
A_55_P2078300	0.004433	2.72	**Fndc7**	fibronectin type III domain containing 7
A_55_P2089080	1.90E-06	2.72	**Ssbp2**	single-stranded DNA binding protein 2
A_51_P452153	0.003825	2.72	**2010001M09Rik**	RIKEN cDNA 2010001M09 gene
A_52_P497625	5.42E-05	2.72	**A630001G21Rik**	RIKEN cDNA A630001G21 gene
A_55_P2027386	0.000552	2.72	**Gpr156**	G protein-coupled receptor 156
A_55_P2029842	1.10E-07	2.72	**Hnrnpa1**	heterogeneous nuclear ribonucleoprotein A1
A_55_P2114993	1.70E-05	2.72	**Actg1**	actin, gamma, cytoplasmic 1
A_51_P452153	0.003063	2.72	**2010001M09Rik**	RIKEN cDNA 2010001M09 gene
A_51_P125691	8.50E-06	2.71	**Cdca4**	cell division cycle associated 4
A_30_P01025420	7.62E-07	2.71		
A_51_P126302	4.67E-06	2.71	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P264866	8.14E-07	2.71	**Olfr1395**	olfactory receptor 1395
A_30_P01022889	8.02E-05	2.71		
A_55_P1961541	4.49E-07	2.71	**A930028N01Rik**	RIKEN cDNA A930028N01 gene
A_30_P01026420	3.11E-06	2.71		
A_30_P01027758	3.11E-05	2.71		
A_55_P2030194	1.22E-06	2.71	**Ifna5**	interferon alpha 5
A_51_P389895	0.000223	2.71	**Slc35f5**	solute carrier family 35, member F5
A_52_P357611	5.26E-05	2.71	**Neu3**	neuraminidase 3
A_30_P01025368	3.66E-05	2.71		
A_30_P01023079	1.53E-07	2.71		
A_55_P2029436	0.000131	2.71		
A_51_P104897	3.57E-07	2.71	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_55_P2002745	0.000214	2.71		
A_55_P2057872	1.62E-06	2.71	**Gm6654**	predicted pseudogene 6654
A_30_P01022679	1.88E-05	2.71		
A_55_P2020371	0.000665	2.71	**Gm11543**	predicted gene 11543
A_55_P2141860	3.33E-06	2.71	**Aen**	apoptosis enhancing nuclease
A_30_P01028961	1.54E-06	2.71		
A_55_P2036898	9.72E-05	2.71	**Gm15292**	predicted gene 15292
A_55_P2105512	6.70E-08	2.71	**Nop56**	NOP56 ribonucleoprotein homolog (yeast)
A_55_P1993128	1.27E-07	2.71	**Gas8**	growth arrest specific 8
A_51_P356283	0.000627	2.70	**Fbxo31**	F-box protein 31
A_55_P2057777	4.71E-06	2.70	**Fgfr1**	fibroblast growth factor receptor 1
A_55_P2058942	2.71E-06	2.70	**Aldh3b1**	aldehyde dehydrogenase 3 family, member B1
A_30_P01027526	5.14E-07	2.70		
A_30_P01026434	2.03E-06	2.70		
A_55_P1996702	2.81E-05	2.70	**Grm8**	glutamate receptor, metabotropic 8
A_55_P1965448	2.82E-07	2.70	**LOC632883**	protein transport protein Sec61 subunit gamma-like
A_55_P1973906	2.17E-05	2.70	**Trp53inp1**	transformation related protein 53 inducible nuclear protein 1
A_55_P2016618	1.88E-06	2.70	**Neurl1a**	neuralized homolog 1A (Drosophila)
A_30_P01021985	3.11E-06	2.70		
A_30_P01021433	9.61E-06	2.70		
A_55_P1956752	0.000162	2.70		
A_30_P01027644	4.73E-08	2.70		
A_55_P2133337	2.41E-05	2.70		

A_55_P2128501	1.92E-06	2.70	**Krt8**	keratin 8
A_55_P1986680	0.000134	2.70		
A_55_P2017001	5.50E-05	2.70		
A_30_P01030166	0.001157	2.70		
A_55_P2182921	4.28E-07	2.70		
A_30_P01021935	1.31E-07	2.70		
A_30_P01023959	1.94E-06	2.70		
A_51_P201480	6.85E-07	2.70	**Stat3**	signal transducer and activator of transcription 3
A_30_P01020135	3.11E-05	2.70		
A_51_P125446	4.29E-08	2.70	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P125691	1.13E-05	2.70	**Cdca4**	cell division cycle associated 4
A_55_P1975110	4.51E-05	2.70	**Pnpt1**	polyribonucleotide nucleotidyltransferase 1
A_55_P2175925	1.49E-05	2.70		
A_51_P112174	3.14E-05	2.70	**Ahi1**	Abelson helper integration site 1
A_51_P172231	2.16E-07	2.70	**Gsdmd**	gasdermin D
A_30_P01020545	0.000326	2.70		
A_30_P01027173	0.00097	2.70		
A_66_P136186	0.000411	2.69	**Wee1**	WEE 1 homolog 1 (S. pombe)
A_66_P109519	0.001045	2.69	**Ehf**	ets homologous factor
A_55_P2035579	8.86E-06	2.69	**Rps6ka2**	ribosomal protein S6 kinase, polypeptide 2
A_52_P116006	3.97E-06	2.69	**Gda**	guanine deaminase
A_30_P01025448	0.00117	2.69		
A_52_P599789	0.000655	2.69	**Qrich2**	glutamine rich 2
A_52_P108845	0.000254	2.69	**Clip3**	CAP-GLY domain containing linker protein 3
A_30_P01019724	5.50E-06	2.69		
A_55_P2308743	4.55E-06	2.69	**A430106A12Rik**	RIKEN cDNA A430106A12 gene
A_30_P01028784	1.18E-05	2.69		
A_55_P2074636	5.89E-07	2.69	**Adap1**	ArfGAP with dual PH domains 1
A_52_P628117	0.002088	2.69	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_30_P01031882	8.77E-05	2.69		
A_66_P102062	2.01E-06	2.69		
A_55_P2024763	1.45E-08	2.69	**Lama3**	laminin, alpha 3
A_55_P2069410	1.17E-06	2.69	**LOC100505024**	homeobox protein TGIF2-like
A_52_P228005	0.000202	2.69		
A_30_P01028559	0.004861	2.69		
A_30_P01031539	4.07E-08	2.69		
A_55_P2028651	9.00E-09	2.69		
A_30_P01019049	0.000161	2.69		
A_55_P2018836	2.09E-05	2.69		
A_55_P1965000	2.61E-05	2.69	**Ddx58**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
A_51_P172231	3.20E-07	2.69	**Gsdmd**	gasdermin D
A_55_P2012498	1.26E-05	2.69	**Cdca7**	cell division cycle associated 7
A_55_P1960053	0.004034	2.69	**Hvcn1**	hydrogen voltage-gated channel 1
A_55_P2049052	5.04E-05	2.69		
A_52_P157316	1.41E-05	2.69	**Trim34a**	tripartite motif-containing 34A
A_55_P2126775	8.60E-05	2.68	**Gfpt1**	glutamine fructose-6-phosphate transaminase 1
A_51_P423290	0.001055	2.68	**Mmrn1**	multimerin 1
A_55_P2180415	0.001009	2.68	**Cd72**	CD72 antigen
A_55_P1975843	1.73E-07	2.68		
A_55_P2074927	1.27E-06	2.68	**Gm7932**	predicted gene 7932
A_52_P69020	0.000326	2.68	**Slc24a5**	solute carrier family 24, member 5
A_55_P2130839	0.00183	2.68		
A_52_P609120	6.29E-05	2.68	**Pdxp**	pyridoxal (pyridoxine, vitamin B6) phosphatase
A_66_P123704	0.000598	2.68	**Ulbp1**	UL16 binding protein 1
A_51_P292057	0.001119	2.68	**Tbl1xr1**	transducin (beta)-like 1X-linked receptor 1
A_30_P01027732	2.69E-05	2.68		
A_55_P2011121	0.003443	2.68	**4930528F23Rik**	RIKEN cDNA 4930528F23 gene
A_55_P2255399	0.001644	2.68	**F630048H11Rik**	RIKEN cDNA F630048H11 gene
A_55_P1952038	4.10E-07	2.68	**Olfr417**	olfactory receptor 417
A_51_P125446	1.60E-09	2.68	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P172231	5.37E-07	2.68	**Gsdmd**	gasdermin D
A_51_P201480	1.71E-06	2.68	**Stat3**	signal transducer and activator of transcription 3
A_51_P104939	0.000109	2.68	**Klra5**	killer cell lectin-like receptor, subfamily A, member 5
A_30_P01026275	0.000308	2.68		
A_66_P129377	6.60E-05	2.68	**Gm7644**	predicted gene 7644
A_55_P2017914	0.000805	2.68	**Csf1**	colony stimulating factor 1 (macrophage)
A_66_P120567	1.45E-06	2.68	**Anxa1**	annexin A1
A_51_P292030	6.14E-06	2.68	**Nus1**	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)
A_51_P172231	2.02E-06	2.68	**Gsdmd**	gasdermin D
A_55_P2142789	2.73E-05	2.68	**AI463229**	expressed sequence AI463229
A_51_P450682	5.75E-06	2.68	**Tepp**	testis, prostate and placenta expressed
A_30_P01023142	0.000209	2.68		
A_55_P2028214	0.001242	2.68		
A_55_P2148961	0.000232	2.68		
A_51_P125691	2.46E-05	2.68	**Cdca4**	cell division cycle associated 4
A_55_P2279140	0.000385	2.68	**F830014O18Rik**	RIKEN cDNA F830014O18 gene
A_55_P2149540	3.92E-06	2.67	**Srf**	serum response factor
A_55_P2081408	9.66E-05	2.67	**Fbxo39**	F-box protein 39
A_55_P2095583	0.00014	2.67	**Tcp10b**	t-complex protein 10b
A_30_P01022847	3.83E-06	2.67		
A_30_P01025875	0.001861	2.67		
A_52_P66226	5.20E-05	2.67	**Rab33a**	RAB33A, member of RAS oncogene family
A_30_P01023698	7.07E-08	2.67		
A_30_P01030499	0.002602	2.67		
A_55_P2163749	1.34E-05	2.67		
A_30_P01026320	8.04E-05	2.67		
A_51_P224227	7.24E-07	2.67	**Rlf**	rearranged L-myc fusion sequence
A_55_P2119440	2.94E-05	2.67		
A_55_P1994654	1.01E-05	2.67	**1810029B16Rik**	RIKEN cDNA 1810029B16 gene
A_52_P82765	2.43E-08	2.67		
A_55_P2280237	0.001268	2.67	**Zfp697**	zinc finger protein 697
A_55_P2185415	4.01E-08	2.67	**Thap7**	THAP domain containing 7
A_51_P125446	7.59E-10	2.67	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2015530	0.000183	2.67		
A_66_P139974	1.20E-08	2.67	**Arl6**	ADP-ribosylation factor-like 6

A_30_P01023251	0.000108	2.67		
A_51_P181595	9.16E-06	2.67	**4933402N22Rik**	RIKEN cDNA 4933402N22 gene
A_30_P01025219	5.57E-10	2.67		
A_30_P01031073	4.04E-06	2.66		
A_55_P2137494	2.55E-05	2.66		
A_55_P1980539	1.24E-05	2.66	**Cetn4**	centrin 4
A_30_P01032556	0.00046	2.66		
A_30_P01024321	5.61E-07	2.66		
A_55_P1997931	1.33E-05	2.66	**Mtap9**	microtubule-associated protein 9
A_51_P125691	3.69E-05	2.66	**Cdca4**	cell division cycle associated 4
A_55_P2048953	5.24E-07	2.66	**4930515G16Rik**	myc induced nuclear antigen pseudogene
A_66_P108019	1.21E-08	2.66	**Heatr1**	HEAT repeat containing 1
A_51_P120066	0.000328	2.66	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P1998957	2.57E-05	2.66	**Oas1c**	2'-5' oligoadenylate synthetase 1C
A_55_P1983309	4.64E-07	2.66	**LOC677368**	hypothetical protein LOC677368
A_30_P01018570	6.97E-05	2.66		
A_55_P2142321	0.001507	2.66	**Synpo**	synaptopodin
A_55_P2019577	2.79E-05	2.66	**1500011B03Rik**	RIKEN cDNA 1500011B03 gene
A_55_P2248330	1.22E-05	2.66		
A_51_P439876	2.84E-06	2.66	**Map4k4**	mitogen-activated protein kinase kinase kinase kinase 4
A_30_P01027182	2.20E-05	2.66		
A_51_P430423	0.000125	2.66	**Ada**	adenosine deaminase
A_55_P2083121	0.000148	2.66	**Vill**	villin-like
A_55_P2025595	0.005038	2.66	**Gcnt2**	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme
A_66_P126722	0.000162	2.66		
A_55_P1991310	5.54E-07	2.66	**Npvf**	neuropeptide VF precursor
A_55_P2127952	4.76E-07	2.66		
A_30_P01020319	5.14E-07	2.66		
A_30_P01018133	6.33E-06	2.66		
A_55_P2092282	0.000423	2.66		
A_52_P104761	2.88E-06	2.66	**Rlim**	ring finger protein, LIM domain interacting
A_55_P2010376	6.21E-05	2.66	**Grm4**	glutamate receptor, metabotropic 4
A_55_P2344943	9.04E-06	2.66	**B130055M24Rik**	RIKEN cDNA B130055M24 gene
A_30_P01026296	2.70E-08	2.66		
A_55_P2172999	2.60E-05	2.66	**Ptpn13**	protein tyrosine phosphatase, non-receptor type 13
A_51_P119429	0.000406	2.66	**Nckap1l**	NCK associated protein 1 like
A_55_P2176963	4.01E-05	2.65	**Hsph1**	heat shock 105kDa/110kDa protein 1
A_55_P2381821	0.000151	2.65	**6430706H07Rik**	RIKEN cDNA 6430706H07 gene
A_30_P01021911	1.21E-05	2.65		
A_55_P1998578	2.56E-07	2.65	**Ifitm2**	interferon induced transmembrane protein 2
A_55_P2172274	5.49E-05	2.65	**Smc2**	structural maintenance of chromosomes 2
A_55_P2121603	1.74E-05	2.65	**2810047C21Rik1**	RIKEN cDNA 2810047C21 gene 1
A_30_P01024529	0.001027	2.65		
A_51_P110888	0.004162	2.65	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_55_P2053467	3.02E-05	2.65		
A_30_P01022446	0.000801	2.65		
A_51_P286995	8.13E-05	2.65	**3110001I22Rik**	RIKEN cDNA 3110001I22 gene
A_51_P201480	7.08E-07	2.65	**Stat3**	signal transducer and activator of transcription 3
A_55_P2142758	0.001458	2.65	**Slc9a7**	solute carrier family 9 (sodium/hydrogen exchanger), member 7
A_30_P01030104	1.65E-06	2.65		
A_30_P01023828	1.19E-05	2.65		
A_55_P1980066	1.47E-07	2.65	**Gm10334**	predicted gene 10334
A_55_P2120303	2.67E-07	2.65		
A_55_P2038952	9.31E-11	2.65	**Ubb**	ubiquitin B
A_55_P2047431	0.000614	2.65	**Il22ra1**	interleukin 22 receptor, alpha 1
A_55_P2425342	0.000176	2.65	**4932443L11Rik**	RIKEN cDNA 4932443L11 gene
A_55_P1960018	3.76E-06	2.65	**Fbxw25**	F-box and WD-40 domain protein 25
A_51_P120717	0.000114	2.65	**Lmnb1**	lamin B1
A_66_P117519	1.12E-05	2.65		
A_55_P1966660	2.87E-06	2.65	**LOC547349**	similar to MHC class I antigen precursor
A_55_P2069485	8.69E-06	2.65	**Ptpn13**	protein tyrosine phosphatase, non-receptor type 13
A_55_P2182273	0.001604	2.65	**Bin2**	bridging integrator 2
A_52_P330289	0.000337	2.65	**Inpp4b**	inositol polyphosphate-4-phosphatase, type II
A_30_P01020259	4.68E-06	2.65		
A_51_P175580	0.000396	2.65	**Trp53inp1**	transformation related protein 53 inducible nuclear protein 1
A_55_P2124646	0.003091	2.65		
A_30_P01032648	1.12E-05	2.65		
A_30_P01028304	0.000223	2.65		
A_30_P01026835	1.47E-07	2.65		
A_66_P133244	0.000183	2.64	**Vcl**	vinculin
A_30_P01019074	6.21E-08	2.64		
A_51_P463765	0.000535	2.64	**Timp3**	tissue inhibitor of metalloproteinase 3
A_55_P2067076	6.36E-07	2.64		
A_55_P2026214	0.000131	2.64		
A_52_P417620	1.63E-06	2.64	**Pacs1**	phosphofurin acidic cluster sorting protein 1
A_55_P2007389	0.002163	2.64	**Fam189b**	family with sequence similarity 189, member B
A_55_P1979197	7.35E-07	2.64	**Tbata**	thymus, brain and testes associated
A_65_P18935	4.51E-05	2.64	**Grin1**	glutamate receptor, ionotropic, NMDA1 (zeta 1)
A_30_P01023162	2.11E-05	2.64		
A_52_P457567	1.81E-05	2.64	**Slc4a4**	solute carrier family 4 (anion exchanger), member 4
A_55_P1969876	1.34E-05	2.64	**Morf4l2**	mortality factor 4 like 2
A_55_P2174490	0.001354	2.64	**Cd37**	CD37 antigen
A_51_P216702	5.33E-07	2.64	**A130022J15Rik**	RIKEN cDNA A130022J15 gene
A_52_P20906	0.002572	2.64	**Twist1**	twist homolog 1 (Drosophila)
A_55_P2009762	5.44E-05	2.64	**Mapkapk3**	mitogen-activated protein kinase-activated protein kinase 3
A_51_P496720	2.48E-05	2.64	**Dnmt3l**	DNA (cytosine-5-)-methyltransferase 3-like
A_51_P125446	7.82E-07	2.64	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P370678	1.65E-06	2.64	**Gfi1b**	growth factor independent 1B
A_51_P120066	0.000126	2.64	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_51_P431870	6.75E-07	2.64	**Mtap1s**	microtubule-associated protein 1S
A_51_P119429	0.000698	2.64	**Nckap1l**	NCK associated protein 1 like
A_66_P126019	5.13E-05	2.64		
A_30_P01031200	1.25E-08	2.64		
A_55_P1962209	0.000756	2.64	**Cxcr6**	chemokine (C-X-C motif) receptor 6
A_30_P01029898	5.17E-08	2.64		

A_30_P01023215	1.25E-05	2.64		
A_30_P01029178	9.11E-07	2.64		
A_55_P2031167	8.06E-05	2.64	**Efna1**	ephrin A1
A_52_P229943	0.002072	2.63	**Ostb**	organic solute transporter beta
A_52_P284495	0.002762	2.63	**Ankrd33b**	ankyrin repeat domain 33B
A_55_P2083180	0.000661	2.63	**LOC16697**	keratin associated protein LOC16697
A_55_P2133652	2.44E-06	2.63	**4922501C03Rik**	RIKEN cDNA 4922501C03 gene
A_30_P01017590	4.05E-06	2.63		
A_55_P2145611	6.91E-05	2.63	**Krt86**	keratin 86
A_30_P01031834	1.04E-05	2.63		
A_66_P120507	7.55E-05	2.63	**Plcd3**	phospholipase C, delta 3
A_55_P2088730	4.83E-05	2.63		
A_55_P2109727	5.29E-05	2.63		
A_30_P01018611	1.13E-06	2.63		
A_55_P2133205	1.50E-05	2.63	**Nmt2**	N-myristoyltransferase 2
A_52_P384036	0.006329	2.63		
A_30_P01030795	0.001335	2.63		
A_55_P2102182	1.73E-07	2.63		
A_30_P01019117	0.000214	2.63		
A_51_P309530	4.22E-05	2.63	**Nepn**	nephrocan
A_55_P2113141	4.25E-05	2.63	**Star**	steroidogenic acute regulatory protein
A_55_P2013321	0.000614	2.63		
A_51_P125446	6.47E-10	2.63	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2010197	4.90E-07	2.63	**Serpina10**	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10
A_55_P2111218	0.000321	2.63	**2310014H01Rik**	RIKEN cDNA 2310014H01 gene
A_30_P01019667	2.31E-05	2.63		
A_30_P01023571	4.15E-06	2.63		
A_55_P2091153	1.24E-08	2.63	**BC051142**	cDNA sequence BC051142
A_30_P01033052	0.000106	2.63		
A_30_P01024068	0.000146	2.62		
A_66_P127070	2.60E-05	2.62	**Gdf5**	growth differentiation factor 5
A_55_P2008126	3.57E-05	2.62		
A_55_P2022332	2.06E-06	2.62		
A_55_P2018825	4.40E-06	2.62		
A_51_P288618	3.06E-05	2.62	**Dusp11**	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)
A_51_P511511	6.10E-05	2.62	**Stk33**	serine/threonine kinase 33
A_51_P440092	4.91E-06	2.62	**Fam187b**	family with sequence similarity 187, member B
A_51_P318381	4.17E-05	2.62	**Pgf**	placental growth factor
A_51_P496751	4.29E-07	2.62	**Nop58**	NOP58 ribonucleoprotein homolog (yeast)
A_30_P01032660	6.15E-06	2.62		
A_30_P01032956	7.04E-06	2.62		
A_51_P126302	5.54E-07	2.62	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P2060567	3.61E-08	2.62	**Ddx39**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39
A_51_P104897	1.53E-06	2.62	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_55_P2149209	4.41E-06	2.62	**Camk2a**	calcium/calmodulin-dependent protein kinase II alpha
A_52_P525317	4.29E-06	2.62	**Gja5**	gap junction protein, alpha 5
A_55_P2425432	3.17E-07	2.61	**1700017I07Rik**	RIKEN cDNA 1700017I07 gene
A_55_P2136970	5.87E-06	2.61	**Gm7269**	predicted gene 7269
A_66_P118772	0.001544	2.61	**Tmem136**	transmembrane protein 136
A_52_P363216	4.62E-05	2.61	**Gcnt2**	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme
A_55_P2418621	0.000715	2.61		
A_55_P2032192	5.59E-08	2.61	**Tpm1**	tropomyosin 1, alpha
A_55_P1964193	0.000399	2.61	**Mtap1b**	microtubule-associated protein 1B
A_55_P2183622	3.18E-08	2.61	**Tmem201**	transmembrane protein 201
A_55_P2033690	0.000106	2.61	**LOC637916**	midline-1-like
A_51_P287798	0.00027	2.61	**4930544O15Rik**	RIKEN cDNA 4930544O15 gene
A_55_P1963549	5.32E-06	2.61	**Vmn1r168**	vomeronasal 1 receptor 168
A_55_P2028159	5.38E-06	2.61	**3110043O21Rik**	RIKEN cDNA 3110043O21 gene
A_51_P353914	3.49E-05	2.61	**Icam5**	intercellular adhesion molecule 5, telencephalin
A_55_P2016732	0.002772	2.61	**Slc30a2**	solute carrier family 30 (zinc transporter), member 2
A_30_P01023242	2.87E-05	2.61		
A_55_P2044314	3.41E-05	2.61		
A_30_P01030754	3.88E-08	2.61		
A_55_P2025454	0.000116	2.61	**Ttc12**	tetratricopeptide repeat domain 12
A_51_P414126	3.06E-05	2.61	**Rab19**	RAB19, member RAS oncogene family
A_30_P01026606	3.94E-05	2.61		
A_55_P1995902	1.79E-06	2.61	**Gm13251**	predicted gene 13251
A_51_P143190	5.99E-07	2.61	**Lyl1**	lymphoblastomic leukemia 1
A_51_P172231	2.10E-07	2.61	**Gsdmd**	gasdermin D
A_30_P01029625	3.41E-06	2.61		
A_30_P01029818	0.000318	2.60		
A_30_P01029991	0.000192	2.60		
A_30_P01025198	0.001142	2.60		
A_55_P2151428	4.51E-06	2.60		
A_30_P01021285	2.72E-07	2.60		
A_30_P01031685	0.002904	2.60		
A_51_P119429	0.00088	2.60	**Nckap1l**	NCK associated protein 1 like
A_51_P124535	0.000253	2.60	**Mest**	mesoderm specific transcript
A_55_P2106891	6.98E-08	2.60	**Kcna5**	potassium voltage-gated channel, shaker-related subfamily, member 5
A_30_P01026224	0.002331	2.60		
A_55_P2137586	8.95E-06	2.60	**Nphp4**	nephronophthisis 4 (juvenile) homolog (human)
A_55_P2130448	2.14E-05	2.60		
A_65_P16796	9.29E-06	2.60	**Psd4**	pleckstrin and Sec7 domain containing 4
A_51_P505795	6.66E-06	2.60	**Tapbpl**	TAP binding protein-like
A_55_P2155869	2.87E-06	2.60	**Klc1**	kinesin light chain 1
A_55_P2088075	5.55E-07	2.60		
A_51_P223498	0.000195	2.60	**Slc39a10**	solute carrier family 39 (zinc transporter), member 10
A_52_P168505	5.00E-05	2.60	**Zdhhc21**	zinc finger, DHHC domain containing 21
A_30_P01032905	4.66E-10	2.60		
A_51_P172231	9.11E-07	2.60	**Gsdmd**	gasdermin D
A_55_P1998442	1.54E-06	2.60	**Sema3f**	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
A_51_P157524	9.98E-08	2.60	**E2f4**	E2F transcription factor 4
A_30_P01023399	0.002352	2.60		
A_30_P01025295	0.000624	2.60		
A_55_P1989321	3.15E-05	2.60	**Sat1**	spermidine/spermine N1-acetyl transferase 1

A_55_P1960068	0.000184	2.59		
A_55_P2162175	0.000538	2.59		
A_30_P01027281	1.51E-06	2.59		
A_55_P2029417	0.000267	2.59	**2610318N02Rik**	RIKEN cDNA 2610318N02 gene
A_30_P01032921	0.000857	2.59		
A_30_P01020988	1.39E-06	2.59		
A_51_P215975	4.97E-08	2.59	**Chrd**	chordin
A_30_P01029848	1.32E-06	2.59		
A_52_P593853	0.000134	2.59	**4933402P03Rik**	RIKEN cDNA 4933402P03 gene
A_30_P01029058	1.02E-06	2.59		
A_30_P01032410	0.000185	2.59		
A_51_P120066	0.000282	2.59	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_30_P01025266	9.15E-07	2.59		
A_51_P405476	0.000439	2.59	**Fcer1g**	Fc receptor, IgE, high affinity I, gamma polypeptide
A_51_P415126	1.84E-05	2.59	**Tgfa**	transforming growth factor alpha
A_55_P2155056	0.000233	2.59		
A_55_P1970597	2.66E-05	2.59	**Actg1**	actin, gamma, cytoplasmic 1
A_30_P01021894	0.000118	2.59		
A_51_P104897	5.11E-06	2.59	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_55_P2002975	0.000865	2.59	**Mrgprb4**	MAS-related GPR, member B4
A_55_P2136533	0.000241	2.59	**Mll2**	myeloid/lymphoid or mixed-lineage leukemia 2
A_51_P200249	0.000361	2.59	**Olfr945**	olfactory receptor 945
A_55_P1953578	4.78E-07	2.59	**Top3a**	topoisomerase (DNA) III alpha
A_55_P2381926	9.31E-05	2.59	**Jam2**	junction adhesion molecule 2
A_55_P2208260	9.53E-06	2.59	**D230019N24Rik**	RIKEN cDNA D230019N24 gene
A_30_P01032764	8.57E-06	2.59		
A_55_P2082837	5.29E-05	2.59	**Spin1**	spindlin 1
A_55_P1971897	1.18E-08	2.59	**Mdk**	midkine
A_55_P2263098	0.000189	2.59	**A130078K24Rik**	RIKEN cDNA A130078K24 gene
A_55_P2037338	0.000234	2.59	**Plcd3**	phospholipase C, delta 3
A_30_P01019628	2.65E-05	2.59		
A_30_P01017641	0.005618	2.59		
A_30_P01032132	2.67E-05	2.59		
A_55_P2028263	0.003945	2.58	**Pik3cd**	phosphatidylinositol 3-kinase catalytic delta polypeptide
A_30_P01024450	5.75E-06	2.58		
A_30_P01031000	5.64E-06	2.58		
A_52_P144925	1.60E-06	2.58	**Taf1d**	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, D
A_30_P01029937	0.000155	2.58		
A_66_P138363	0.000108	2.58		
A_55_P1977920	2.55E-06	2.58		
A_55_P2166020	2.46E-05	2.58	**Ifna13**	interferon alpha 13
A_55_P1979147	4.44E-07	2.58	**Klrb1c**	killer cell lectin-like receptor subfamily B member 1C
A_30_P01030883	0.003707	2.58		
A_55_P2114799	2.08E-07	2.58	**Arntl2**	aryl hydrocarbon receptor nuclear translocator-like 2
A_51_P172231	1.92E-06	2.58	**Gsdmd**	gasdermin D
A_30_P01025469	4.52E-06	2.58		
A_30_P01031609	0.000188	2.58		
A_51_P119429	0.000647	2.58	**Nckap1l**	NCK associated protein 1 like
A_55_P2039125	3.15E-05	2.58	**2310028H24Rik**	RIKEN cDNA 2310028H24 gene
A_55_P2053281	0.002105	2.58	**G430049J08Rik**	RIKEN cDNA G430049J08 gene
A_30_P01021519	1.06E-06	2.58		
A_51_P104897	2.61E-06	2.58	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_30_P01028392	2.51E-05	2.58		
A_30_P01019715	1.53E-05	2.58		
A_55_P1990190	2.25E-07	2.58	**Arhgap28**	Rho GTPase activating protein 28
A_55_P1961302	1.35E-06	2.58		
A_55_P1973491	0.000304	2.58	**Gpr35**	G protein-coupled receptor 35
A_52_P502771	8.60E-05	2.58	**Rad54b**	RAD54 homolog B (S. cerevisiae)
A_55_P1959064	1.20E-07	2.58	**Oas1b**	2'-5' oligoadenylate synthetase 1B
A_30_P01024274	4.84E-06	2.58		
A_51_P501018	0.000282	2.58	**Nek2**	NIMA (never in mitosis gene a)-related expressed kinase 2
A_55_P2091751	1.94E-06	2.58		
A_55_P2399878	0.000122	2.58	**4930402F11Rik**	RIKEN cDNA 4930402F11 gene
A_30_P01025716	2.25E-06	2.58		
A_51_P125446	6.91E-08	2.57	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_51_P120717	0.000163	2.57	**Lmnb1**	lamin B1
A_51_P120717	1.52E-05	2.57	**Lmnb1**	lamin B1
A_30_P01031002	0.000413	2.57		
A_51_P125446	2.63E-08	2.57	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_55_P2139375	6.98E-07	2.57		
A_52_P671543	0.001048	2.57	**Pomc**	pro-opiomelanocortin-alpha
A_51_P166740	1.49E-05	2.57	**Kcnj4**	potassium inwardly-rectifying channel, subfamily J, member 4
A_51_P305437	1.10E-05	2.57	**Rcn1**	reticulocalbin 1
A_55_P2054942	5.69E-08	2.57	**Iffo2**	intermediate filament family orphan 2
A_30_P01022334	2.20E-05	2.57		
A_55_P2014854	0.000705	2.57		
A_55_P2018002	0.001332	2.57	**Abcg4**	ATP-binding cassette, sub-family G (WHITE), member 4
A_65_P08239	1.43E-06	2.57	**Mef2a**	myocyte enhancer factor 2A
A_52_P432685	5.03E-07	2.57	**Ctdsp2**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2
A_55_P1981674	0.000498	2.57		
A_51_P179131	2.66E-06	2.57	**Vasp**	vasodilator-stimulated phosphoprotein
A_55_P2071078	0.000527	2.57	**Gab2**	growth factor receptor bound protein 2-associated protein 2
A_51_P105927	4.28E-06	2.57	**Rasl12**	RAS-like, family 12
A_52_P97572	2.22E-07	2.57	**Aplnr**	apelin receptor
A_55_P2039514	1.75E-06	2.57		
A_51_P142989	8.17E-06	2.57	**Zfp429**	zinc finger protein 429
A_55_P1990849	0.000145	2.57	**Dclre1b**	DNA cross-link repair 1B, PSO2 homolog (S. cerevisiae)
A_55_P2006906	0.004433	2.57	**Armcx3**	armadillo repeat containing, X-linked 3
A_51_P383140	1.79E-05	2.57	**Slk**	STE20-like kinase (yeast)
A_51_P105927	4.52E-05	2.57	**Rasl12**	RAS-like, family 12
A_51_P105927	2.00E-07	2.57	**Rasl12**	RAS-like, family 12
A_51_P435968	1.87E-05	2.57	**Tnfaip8**	tumor necrosis factor, alpha-induced protein 8
A_51_P405606	0.000144	2.57	**Ndrg1**	N-myc downstream regulated gene 1
A_52_P485905	7.20E-06	2.57	**Mdm4**	transformed mouse 3T3 cell double minute 4
A_55_P2179791	0.002377	2.57	**6720473M11Rik**	RIKEN cDNA 6720473M11 gene

A_66_P139615	2.68E-05	2.57		
A_51_P125691	1.13E-05	2.57	**Cdca4**	cell division cycle associated 4
A_30_P01025191	2.30E-05	2.56		
A_55_P1971672	1.10E-07	2.56	**Ankrd50**	ankyrin repeat domain 50
A_51_P490305	0.001235	2.56	**Ifi30**	interferon gamma inducible protein 30
A_30_P01023335	9.61E-08	2.56		
A_55_P2039771	3.10E-06	2.56	**Itgav**	integrin alpha V
A_51_P119429	0.000582	2.56	**Nckap1l**	NCK associated protein 1 like
A_51_P120066	0.000451	2.56	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_51_P148311	4.29E-07	2.56	**Chic2**	cysteine-rich hydrophobic domain 2
A_30_P01021763	2.84E-05	2.56		
A_55_P2123162	0.000601	2.56		
A_51_P180974	2.47E-05	2.56	**Prkcdbp**	protein kinase C, delta binding protein
A_52_P589391	1.19E-06	2.56	**Doc2a**	double C2, alpha
A_30_P01030145	0.000209	2.56		
A_55_P1962039	4.50E-07	2.56	**Anxa7**	annexin A7
A_30_P01026173	2.82E-05	2.56		
A_30_P01025589	2.29E-05	2.56		
A_55_P1989981	4.66E-05	2.56	**Fam129b**	family with sequence similarity 129, member B
A_51_P126302	0.000119	2.56	**Rbmx2**	RNA binding motif protein, X-linked 2
A_30_P01023591	0.002557	2.56		
A_55_P1960522	0.001253	2.56		
A_30_P01026822	1.00E-05	2.56		
A_55_P1982585	0.000106	2.56	**Kdm4a**	lysine (K)-specific demethylase 4A
A_55_P2020461	0.000183	2.56	**Hmgn2**	high mobility group nucleosomal binding domain 2
A_52_P367294	0.006191	2.56	**Fsd1l**	fibronectin type III and SPRY domain containing 1-like
A_55_P2037689	3.30E-07	2.56		
A_55_P2009430	3.98E-05	2.56		
A_30_P01032351	2.08E-08	2.56		
A_52_P304947	0.000403	2.56	**Cenpn**	centromere protein N
A_55_P2008071	6.29E-05	2.56	**Prkcd**	protein kinase C, delta
A_51_P120717	7.64E-05	2.56	**Lmnb1**	lamin B1
A_55_P2222904	0.000459	2.56	**B930018H19**	hypothetical protein B930018H19
A_55_P2145521	2.15E-05	2.56	**Stk38l**	serine/threonine kinase 38 like
A_51_P172231	4.37E-07	2.55	**Gsdmd**	gasdermin D
A_30_P01022166	0.003443	2.55		
A_55_P2396370	0.000116	2.55	**A730056I06Rik**	RIKEN cDNA A730056I06 gene
A_30_P01032487	0.00031	2.55		
A_55_P2047991	0.001733	2.55		
A_30_P01025897	3.26E-09	2.55		
A_55_P2150058	7.58E-06	2.55	**Zfp593**	zinc finger protein 593
A_52_P135873	0.000102	2.55		
A_55_P1967483	1.04E-07	2.55		
A_51_P124535	0.000394	2.55	**Mest**	mesoderm specific transcript
A_55_P2370337	0.000657	2.55	**8430406P12Rik**	RIKEN cDNA 8430406P12 gene
A_30_P01027385	2.19E-07	2.55		
A_55_P2076994	2.35E-05	2.55	**Defa-rs10**	defensin, alpha, related sequence 10
A_30_P01019428	4.13E-08	2.55		
A_30_P01027161	1.48E-07	2.55		
A_51_P110888	3.98E-05	2.55	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_66_P113043	0.000228	2.55	**Nlrc5**	NLR family, CARD domain containing 5
A_51_P276149	8.09E-06	2.55	**Olfr1030**	olfactory receptor 1030
A_55_P2174509	0.000262	2.55		
A_55_P2131920	0.001722	2.55	**Prrx1**	paired related homeobox 1
A_30_P01032146	0.002611	2.55		
A_51_P201338	0.000735	2.55	**Mtss1**	metastasis suppressor 1
A_55_P2049922	1.73E-05	2.55	**1110021J02Rik**	RIKEN cDNA 1110021J02 gene
A_66_P122110	0.000194	2.55	**Mitd1**	MIT, microtubule interacting and transport, domain containing 1
A_51_P431397	5.15E-06	2.55	**Nup214**	nucleoporin 214
A_51_P301804	0.000107	2.55	**St3gal1**	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
A_30_P01032271	0.000528	2.55		
A_52_P635182	1.01E-07	2.55	**Rras**	Harvey rat sarcoma oncogene, subgroup R
A_30_P01026700	1.86E-05	2.55		
A_55_P1975021	1.40E-05	2.55	**Rad18**	RAD18 homolog (S. cerevisiae)
A_30_P01033428	6.74E-05	2.55		
A_30_P01017515	5.09E-05	2.55		
A_55_P2028365	0.000475	2.55	**Lrrc36**	leucine rich repeat containing 36
A_30_P01021169	0.000192	2.55		
A_66_P104559	0.00024	2.55	**4932413F04Rik**	RIKEN cDNA 4932413F04 gene
A_55_P2129442	2.07E-06	2.55		
A_30_P01019334	0.000818	2.55		
A_55_P2008053	0.000214	2.55	**Dlg4**	discs, large homolog 4 (Drosophila)
A_65_P20167	5.17E-06	2.54	**Hyou1**	hypoxia up-regulated 1
A_51_P104897	1.24E-06	2.54	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_30_P01030453	5.12E-09	2.54		
A_51_P128575	1.65E-05	2.54	**Scgb1a1**	secretoglobin, family 1A, member 1 (uteroglobin)
A_55_P2022524	4.01E-05	2.54	**Rbpj**	recombination signal binding protein for immunoglobulin kappa J region
A_55_P2046220	9.74E-07	2.54	**Olfr740**	olfactory receptor 740
A_51_P120717	0.00014	2.54	**Lmnb1**	lamin B1
A_51_P279163	0.000161	2.54	**Plcg2**	phospholipase C, gamma 2
A_30_P01030712	5.67E-05	2.54		
A_55_P2047310	0.000115	2.54	**Pdgfb**	platelet derived growth factor, B polypeptide
A_30_P01031379	8.55E-06	2.54		
A_30_P01024627	0.003457	2.54		
A_51_P514319	0.000788	2.54	**Slc13a4**	solute carrier family 13 (sodium/sulfate symporters), member 4
A_30_P01029140	0.001982	2.54		
A_51_P119429	0.000344	2.54	**Nckap1l**	NCK associated protein 1 like
A_55_P2154132	3.95E-07	2.54	**Tuba1b**	tubulin, alpha 1B
A_30_P01032901	4.95E-05	2.54		
A_52_P624107	6.41E-06	2.54	**Gm5039**	eukaryotic translation initiation factor 1A pseudogene
A_55_P2027521	0.001404	2.54		
A_65_P08521	2.56E-06	2.54	**Ssrp1**	structure specific recognition protein 1
A_52_P579640	1.64E-05	2.54	**Rrs1**	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)
A_30_P01031596	2.42E-06	2.54		
A_51_P120717	0.000157	2.54	**Lmnb1**	lamin B1

A_52_P646979	2.97E-05	2.54	**D16Ertd472e**	DNA segment, Chr 16, ERATO Doi 472, expressed
A_52_P574653	7.62E-06	2.54	**Bid**	BH3 interacting domain death agonist
A_55_P1968738	0.000261	2.54	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_30_P01024015	1.80E-05	2.53		
A_30_P01029781	2.74E-06	2.53		
A_30_P01026628	3.51E-07	2.53		
A_55_P1964408	4.77E-07	2.53	**Cryab**	crystallin, alpha B
A_55_P1957708	1.07E-06	2.53		
A_30_P01023501	0.000112	2.53		
A_30_P01022906	5.92E-06	2.53		
A_30_P01017881	4.18E-06	2.53		
A_55_P1953391	0.000596	2.53	**Rbfox1**	RNA binding protein, fox-1 homolog (C. elegans) 1
A_52_P661071	0.000116	2.53	**Snhg3**	small nucleolar RNA host gene (non-protein coding) 3
A_55_P1968304	6.78E-07	2.53		
A_55_P2186038	2.70E-05	2.53		
A_30_P01029720	7.53E-05	2.53		
A_55_P2235059	1.66E-06	2.53	**6230415J03Rik**	RIKEN cDNA 6230415J03 gene
A_55_P2039190	3.52E-08	2.53		
A_55_P1978506	3.45E-08	2.53	**H2-Q6**	histocompatibility 2, Q region locus 6
A_55_P2123551	3.92E-05	2.53		
A_55_P1956403	2.07E-06	2.53	**2310010M20Rik**	RIKEN cDNA 2310010M20 gene
A_30_P01019427	0.001095	2.53		
A_52_P30312	0.00205	2.53	**Ccr9**	chemokine (C-C motif) receptor 9
A_55_P2039881	0.000169	2.53	**Sept5**	septin 5
A_30_P01018546	2.71E-05	2.53		
A_55_P2176035	8.55E-06	2.53		
A_51_P125691	3.11E-05	2.53	**Cdca4**	cell division cycle associated 4
A_51_P120717	0.000142	2.53	**Lmnb1**	lamin B1
A_55_P2010931	0.000198	2.53	**Cnn2**	calponin 2
A_55_P2111302	1.61E-08	2.53	**Cp**	ceruloplasmin
A_51_P172231	6.68E-07	2.53	**Gsdmd**	gasdermin D
A_66_P117610	0.001045	2.53	**LOC100047133**	hypothetical LOC100047133
A_55_P2066240	0.000895	2.53	**Zufsp**	zinc finger with UFM1-specific peptidase domain
A_55_P2350553	0.000109	2.53	**4933405D12Rik**	RIKEN cDNA 4933405D12 gene
A_66_P107482	0.000185	2.53	**Arhgef33**	Rho guanine nucleotide exchange factor (GEF) 33
A_30_P01020483	5.19E-06	2.53		
A_30_P01028331	1.54E-05	2.53		
A_55_P2045521	4.03E-07	2.53	**Rbms3**	RNA binding motif, single stranded interacting protein
A_52_P40832	0.000945	2.53	**Rab11fip4**	RAB11 family interacting protein 4 (class II)
A_51_P427232	1.87E-05	2.53	**Scand3**	SCAN domain containing 3
A_55_P2024155	0.000481	2.52	**Zbtb16**	zinc finger and BTB domain containing 16
A_55_P1970570	2.91E-05	2.52	**Rdh8**	retinol dehydrogenase 8
A_30_P01028203	0.000736	2.52		
A_66_P121010	6.30E-05	2.52		
A_51_P193296	2.41E-09	2.52	**Iqcf1**	IQ motif containing F1
A_51_P330428	3.59E-05	2.52	**Eif4ebp1**	eukaryotic translation initiation factor 4E binding protein 1
A_55_P2106241	6.22E-06	2.52	**4930432K21Rik**	RIKEN cDNA 4930432K21 gene
A_55_P2167728	1.00E-06	2.52	**Gm10451**	predicted gene 10451
A_55_P2098067	0.006557	2.52		
A_55_P2047559	0.000289	2.52	**6330503K22Rik**	RIKEN cDNA 6330503K22 gene
A_51_P172231	1.18E-06	2.52	**Gsdmd**	gasdermin D
A_52_P16877	1.42E-06	2.52	**Tmcc3**	transmembrane and coiled coil domains 3
A_51_P120066	0.000202	2.52	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P2122938	7.71E-06	2.52		
A_51_P134812	0.000537	2.52	**Chac1**	ChaC, cation transport regulator-like 1 (E. coli)
A_30_P01020120	3.89E-07	2.52		
A_55_P2028986	0.000498	2.52		
A_55_P2181904	3.68E-08	2.52	**Cd164l2**	CD164 sialomucin-like 2
A_51_P355151	4.52E-06	2.52	**Camk2n2**	calcium/calmodulin-dependent protein kinase II inhibitor 2
A_51_P144632	0.000455	2.52	**Sit1**	suppression inducing transmembrane adaptor 1
A_30_P01022817	6.92E-05	2.52		
A_51_P245405	3.42E-06	2.52	**Ppp3cc**	protein phosphatase 3, catalytic subunit, gamma isoform
A_30_P01022815	0.000406	2.52		
A_30_P01031018	2.88E-05	2.52		
A_30_P01020461	1.08E-06	2.52		
A_55_P2165869	0.000185	2.51	**Cebpb**	CCAAT/enhancer binding protein (C/EBP), beta
A_55_P2075235	1.41E-05	2.51		
A_55_P2052360	0.001106	2.51	**Olfr1382**	olfactory receptor 1382
A_51_P202498	2.31E-07	2.51	**Sar1a**	SAR1 gene homolog A (S. cerevisiae)
A_55_P1953336	2.41E-07	2.51	**Wfdc3**	WAP four-disulfide core domain 3
A_55_P2147846	0.000124	2.51	**Npcd**	neuronal pentraxin chromo domain
A_52_P73475	0.000672	2.51	**Fam78a**	family with sequence similarity 78, member A
A_30_P01031679	5.12E-05	2.51		
A_51_P380013	1.42E-07	2.51	**Bcl2**	B-cell leukemia/lymphoma 2
A_55_P2348676	1.06E-05	2.51	**B130052P14Rik**	RIKEN cDNA B130052P14 gene
A_55_P2020331	0.000135	2.51	**Camk1g**	calcium/calmodulin-dependent protein kinase I gamma
A_55_P2034665	0.000714	2.51		
A_30_P01028927	7.93E-05	2.51		
A_30_P01027478	3.12E-08	2.51		
A_52_P138967	0.001648	2.51	**Trpm4**	transient receptor potential cation channel, subfamily M, member 4
A_51_P375201	0.000127	2.51	**Plk3**	polo-like kinase 3 (Drosophila)
A_30_P01025380	2.13E-06	2.51		
A_30_P01031898	4.12E-05	2.51		
A_30_P01021250	2.69E-06	2.51		
A_51_P415126	3.69E-05	2.51	**Tgfa**	transforming growth factor alpha
A_55_P1980214	9.53E-09	2.51		
A_55_P1996399	3.39E-05	2.51	**Gm2366**	predicted gene 2366
A_51_P125691	7.98E-06	2.51	**Cdca4**	cell division cycle associated 4
A_30_P01021188	3.70E-06	2.51		
A_55_P2011490	9.45E-05	2.51		
A_52_P100185	0.000686	2.51	**4930503L19Rik**	RIKEN cDNA 4930503L19 gene
A_55_P1997554	2.80E-08	2.51	**Kcnn3**	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3
A_51_P473953	9.35E-05	2.51	**Arhgef26**	Rho guanine nucleotide exchange factor (GEF) 26
A_55_P2042743	7.92E-06	2.51	**Glrp1**	glutamine repeat protein 1
A_51_P104897	4.29E-06	2.51	**Itpr3**	inositol 1,4,5-triphosphate receptor 3

A_30_P01026218	0.000137	2.51		
A_55_P2099930	0.000186	2.51	**Lass5**	LAG1 homolog, ceramide synthase 5
A_30_P01031559	3.06E-05	2.51		
A_55_P2021114	2.15E-05	2.51	**Ier5**	immediate early response 5
A_51_P296448	3.28E-05	2.51	**Casp2**	caspase 2
A_66_P102722	0.000199	2.51	**Bsph1**	binder of sperm protein homolog 1
A_52_P545810	7.61E-07	2.51	**Lrrfip1**	leucine rich repeat (in FLII) interacting protein 1
A_51_P128463	3.69E-05	2.51	**Grrp1**	glycine/arginine rich protein 1
A_55_P2090557	0.000132	2.51	**BC046404**	cDNA sequence BC046404
A_30_P01021611	0.000262	2.51		
A_51_P310254	6.14E-06	2.51	**Fam118a**	family with sequence similarity 118, member A
A_52_P368384	0.00013	2.50	**Rap2b**	RAP2B, member of RAS oncogene family
A_30_P01025609	0.002038	2.50		
A_51_P151586	0.000371	2.50	**Gsg2**	germ cell-specific gene 2
A_30_P01031642	0.001018	2.50		
A_52_P23308	0.002299	2.50	**5730508B09Rik**	RIKEN cDNA 5730508B09 gene
A_30_P01028651	0.002054	2.50		
A_55_P2067011	1.28E-05	2.50		
A_66_P104814	0.000251	2.50	**Trak1**	trafficking protein, kinesin binding 1
A_51_P315673	3.68E-06	2.50	**Usp11**	ubiquitin specific peptidase 11
A_51_P120717	5.73E-05	2.50	**Lmnb1**	lamin B1
A_55_P2055557	0.000393	2.50	**Sdsl**	serine dehydratase-like
A_30_P01030170	5.25E-08	2.50		
A_55_P2389900	0.002534	2.50	**Gpr64**	G protein-coupled receptor 64
A_66_P123804	9.62E-05	2.50	**Fbxo30**	F-box protein 30
A_51_P332355	0.000233	2.50	**Kif18a**	kinesin family member 18A
A_52_P243102	1.34E-05	2.50	**Kctd3**	potassium channel tetramerisation domain containing 3
A_51_P124719	1.75E-07	2.50	**Ccdc93**	coiled-coil domain containing 93
A_30_P01024295	0.000216	2.50		
A_30_P01020412	1.58E-07	2.50		
A_55_P1995045	1.11E-05	2.50	**Zc3hav1**	zinc finger CCCH type, antiviral 1
A_55_P2095570	2.07E-06	2.50		
A_52_P522977	1.53E-05	2.50	**Ssbp2**	single-stranded DNA binding protein 2
A_55_P2156978	0.00091	2.50		
A_55_P1981964	2.34E-05	2.50	**Tnfrsf13b**	tumor necrosis factor receptor superfamily, member 13b
A_55_P2106469	2.19E-06	2.50		
A_55_P2058866	4.56E-05	2.50		
A_55_P2075100	0.001963	2.50	**Bcl9**	B-cell CLL/lymphoma 9
A_55_P1960698	7.71E-06	2.50	**Pih1d2**	PIH1 domain containing 2
A_55_P1973213	2.43E-07	2.50	**Trmt61a**	tRNA methyltransferase 61 homolog A (S. cerevisiae)
A_30_P01027939	4.31E-06	2.50		
A_51_P104897	3.70E-06	2.50	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_66_P134474	2.79E-06	2.50	**Ang3**	angiogenin, ribonuclease A family, member 3
A_30_P01027342	3.67E-10	2.50		
A_55_P1953593	6.16E-07	2.50	**Ece2**	endothelin converting enzyme 2
A_55_P2129319	2.43E-08	2.49	**Mre11a**	meiotic recombination 11 homolog A (S. cerevisiae)
A_51_P192130	1.74E-05	2.49	**Stk10**	serine/threonine kinase 10
A_51_P117115	6.65E-06	2.49	**Olfr53**	olfactory receptor 53
A_55_P2017759	0.000792	2.49	**Evi2a**	ecotropic viral integration site 2a
A_66_P133450	8.40E-05	2.49	**Dnajb9**	DnaJ (Hsp40) homolog, subfamily B, member 9
A_30_P01028399	1.48E-05	2.49		
A_30_P01028837	3.66E-05	2.49		
A_30_P01025179	4.47E-05	2.49		
A_51_P338443	0.002314	2.49	**Angptl4**	angiopoietin-like 4
A_51_P130079	0.000132	2.49	**Lrmp**	lymphoid-restricted membrane protein
A_55_P1997604	0.000284	2.49	**Pla2g4a**	phospholipase A2, group IVA (cytosolic, calcium-dependent)
A_30_P01028046	8.85E-07	2.49		
A_51_P114917	0.001566	2.49	**Dock2**	dedicator of cyto-kinesis 2
A_55_P2035662	3.65E-05	2.49	**Aebp1**	AE binding protein 1
A_55_P1981519	6.44E-05	2.49		
A_55_P2160243	0.000522	2.49		
A_55_P2149363	2.77E-05	2.49	**6430548M08Rik**	RIKEN cDNA 6430548M08 gene
A_51_P126302	4.08E-05	2.49	**Rbmx2**	RNA binding motif protein, X-linked 2
A_52_P495553	2.60E-05	2.49	**Zbtb10**	zinc finger and BTB domain containing 10
A_51_P203192	0.000427	2.49	**Mbd4**	methyl-CpG binding domain protein 4
A_52_P220783	7.07E-06	2.49	**Tmem229b**	transmembrane protein 229B
A_51_P126302	9.14E-06	2.49	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P201480	2.12E-06	2.49	**Stat3**	signal transducer and activator of transcription 3
A_55_P2180769	0.00029	2.49	**Gls**	glutaminase
A_55_P1984035	1.97E-05	2.49	**Litaf**	LPS-induced TN factor
A_30_P01021233	3.98E-06	2.49		
A_55_P2414924	5.53E-08	2.49	**Luc7l**	Luc7 homolog (S. cerevisiae)-like
A_55_P2110474	0.000122	2.49	**Fnbp1**	formin binding protein 1
A_55_P2134977	3.16E-06	2.49		
A_55_P1983272	1.07E-08	2.49		
A_55_P1961125	3.70E-05	2.49	**H19**	H19 fetal liver mRNA
A_51_P126302	4.83E-05	2.49	**Rbmx2**	RNA binding motif protein, X-linked 2
A_51_P394585	3.71E-05	2.49	**Snx22**	sorting nexin 22
A_30_P01027996	2.90E-06	2.49		
A_55_P2090441	2.57E-07	2.48		
A_30_P01026623	1.37E-05	2.48		
A_30_P01021495	0.0034	2.48		
A_55_P2073971	1.15E-08	2.48		
A_30_P01030617	0.000137	2.48		
A_30_P01024198	7.78E-05	2.48		
A_55_P1965772	9.23E-05	2.48	**Atp2a3**	ATPase, Ca++ transporting, ubiquitous
A_51_P317214	0.000331	2.48	**Hpdl**	4-hydroxyphenylpyruvate dioxygenase-like
A_52_P348214	3.50E-05	2.48		
A_55_P2117425	0.000125	2.48	**Syt5**	synaptotagmin V
A_30_P01030112	3.85E-06	2.48		
A_55_P1990261	2.66E-07	2.48	**Chchd6**	coiled-coil-helix-coiled-coil-helix domain containing 6
A_55_P2149881	6.16E-06	2.48	**Khsrp**	KH-type splicing regulatory protein
A_51_P125446	7.63E-07	2.48	**Lzic**	leucine zipper and CTNNBIP1 domain containing
A_30_P01019157	4.36E-05	2.48		
A_55_P2045976	0.000863	2.48		

A_55_P1967335	4.04E-07	2.48		
A_51_P208121	2.49E-06	2.48	**Klhl25**	kelch-like 25 (Drosophila)
A_55_P2283116	0.002236	2.48	**4930478P22Rik**	RIKEN cDNA 4930478P22 gene
A_51_P119429	0.001112	2.48	**Nckap1l**	NCK associated protein 1 like
A_30_P01025810	7.90E-06	2.48		
A_30_P01025187	0.000897	2.48		
A_55_P2184254	1.24E-06	2.48		
A_55_P2162537	3.12E-05	2.48		
A_55_P2139703	0.004627	2.48	**Krtap5-4**	keratin associated protein 5-4
A_55_P2131498	1.21E-05	2.48	**1500001M20Rik**	RIKEN cDNA 1500001M20 gene
A_55_P2210575	6.58E-07	2.48	**A830073O21Rik**	RIKEN cDNA A830073O21 gene
A_51_P104897	2.04E-06	2.48	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_51_P128876	8.09E-08	2.48	**Ifitm3**	interferon induced transmembrane protein 3
A_55_P1983268	0.000462	2.48		
A_55_P2098593	9.80E-07	2.48		
A_51_P495077	2.32E-07	2.48	**Rabl5**	RAB, member of RAS oncogene family-like 5
A_51_P491350	0.000196	2.48	**Col4a2**	collagen, type IV, alpha 2
A_51_P369636	1.68E-05	2.48	**Hat1**	histone aminotransferase 1
A_55_P2344798	1.81E-06	2.48		
A_55_P2145237	3.28E-06	2.48		
A_51_P123314	0.000504	2.48	**Olfr74**	olfactory receptor 74
A_55_P2169046	1.99E-07	2.48	**Olfr458**	olfactory receptor 458
A_51_P422223	0.005961	2.48		
A_51_P124535	0.001421	2.48	**Mest**	mesoderm specific transcript
A_55_P2128270	5.37E-06	2.47	**Phf21a**	PHD finger protein 21A
A_55_P2184601	0.000472	2.47	**Itgal**	integrin alpha L
A_55_P2094966	2.87E-06	2.47	**Hist2h3c1**	histone cluster 2, H3c1
A_55_P2145922	1.65E-06	2.47		
A_51_P482633	8.46E-06	2.47	**Rps6ka4**	ribosomal protein S6 kinase, polypeptide 4
A_55_P2076543	3.99E-08	2.47	**Gm10144**	predicted pseudogene 10144
A_30_P01027525	2.06E-05	2.47		
A_55_P1959909	1.06E-05	2.47	**Atp4b**	ATPase, H+/K+ exchanging, beta polypeptide
A_51_P121031	0.000215	2.47	**March1**	membrane-associated ring finger (C3HC4) 1
A_55_P1973783	6.92E-06	2.47	**Tex9**	testis expressed gene 9
A_55_P2186352	0.000326	2.47	**Ttc12**	tetratricopeptide repeat domain 12
A_51_P175567	0.000255	2.47	**Dact1**	dapper homolog 1, antagonist of beta-catenin (xenopus)
A_51_P438527	4.89E-08	2.47	**Cyb5r1**	cytochrome b5 reductase 1
A_30_P01029387	2.85E-06	2.47		
A_55_P2057946	2.71E-05	2.47	**Hsp90aa1**	heat shock protein 90, alpha (cytosolic), class A member 1
A_51_P513032	0.002412	2.47	**Trps1**	trichorhinophalangeal syndrome I (human)
A_55_P2106820	0.001334	2.47		
A_55_P1961444	4.57E-06	2.47	**Plcb2**	phospholipase C, beta 2
A_51_P479132	0.000168	2.47	**Zcchc3**	zinc finger, CCHC domain containing 3
A_55_P2053575	3.79E-06	2.47		
A_30_P01032720	1.44E-06	2.47		
A_51_P120066	0.000203	2.47	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_51_P131442	0.000469	2.47	**Dpf1**	D4, zinc and double PHD fingers family 1
A_55_P2131143	0.001298	2.47	**Dcaf17**	DDB1 and CUL4 associated factor 17
A_55_P2077185	5.31E-07	2.47		
A_30_P01033414	3.17E-06	2.47		
A_30_P01027353	1.10E-05	2.47		
A_55_P2078138	0.000975	2.47	**Otop1**	otopetrin 1
A_51_P360655	2.87E-06	2.47	**Slc22a6**	solute carrier family 22 (organic anion transporter), member 6
A_30_P01027918	0.004223	2.47		
A_55_P2016586	3.40E-05	2.47		
A_55_P2009622	0.000126	2.47	**S100pbp**	S100P binding protein
A_55_P2041141	9.79E-05	2.47	**Gm17019**	predicted gene
A_30_P01020663	6.56E-06	2.47		
A_55_P2030749	5.90E-05	2.47	**Rnaseh2a**	ribonuclease H2, large subunit
A_55_P1976204	0.000199	2.47	**Cdkn1a**	cyclin-dependent kinase inhibitor 1A (P21)
A_55_P2085915	0.003737	2.47	**Tnfrsf14**	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)
A_30_P01019584	0.000421	2.46		
A_52_P635338	0.000189	2.46	**Fes**	feline sarcoma oncogene
A_52_P597775	2.71E-05	2.46	**Gprc5a**	G protein-coupled receptor, family C, group 5, member A
A_55_P2058737	3.82E-05	2.46	**Mex3d**	mex3 homolog D (C. elegans)
A_55_P2068295	0.000275	2.46	**Gm3552**	predicted gene 3552
A_30_P01025608	3.07E-06	2.46		
A_51_P169880	3.29E-06	2.46	**Zbtb3**	zinc finger and BTB domain containing 3
A_55_P2125907	4.88E-06	2.46		
A_55_P2221365	3.82E-06	2.46	**4930421J07Rik**	RIKEN cDNA 4930421J07 gene
A_30_P01029757	0.000287	2.46		
A_55_P2052862	0.000488	2.46	**Fam73a**	family with sequence similarity 73, member A
A_55_P2168549	2.40E-09	2.46	**Gm962**	predicted gene 962
A_52_P80944	0.000186	2.46	**Zfp36**	zinc finger protein 36
A_51_P453010	1.22E-06	2.46	**Mphosph6**	M phase phosphoprotein 6
A_51_P120717	0.000141	2.46	**Lmnb1**	lamin B1
A_55_P2129920	4.71E-07	2.46	**Chd7**	chromodomain helicase DNA binding protein 7
A_30_P01032055	2.85E-05	2.46		
A_55_P1991891	1.91E-05	2.46	**Slc34a1**	solute carrier family 34 (sodium phosphate), member 1
A_55_P2364241	2.52E-05	2.46		
A_55_P1989976	0.000674	2.46	**Ly9**	lymphocyte antigen 9
A_30_P01023831	4.89E-05	2.46		
A_30_P01026992	1.12E-05	2.46		
A_55_P1982563	4.07E-06	2.46	**Rhbdf1**	rhomboid family 1 (Drosophila)
A_55_P2131238	0.005819	2.46	**Ttc39a**	tetratricopeptide repeat domain 39A
A_55_P2102998	0.000389	2.46	**Gm3893**	predicted gene 3893
A_55_P2074291	7.56E-08	2.46	**Fbxo6**	F-box protein 6
A_55_P2146177	4.88E-07	2.46	**Cerk**	ceramide kinase
A_55_P2015312	0.000291	2.46	**Efcab7**	EF-hand calcium binding domain 7
A_30_P01032347	0.00132	2.46		
A_30_P01018116	0.001548	2.46		
A_55_P2081323	0.000461	2.46	**Gnas**	GNAS (guanine nucleotide binding protein, alpha stimulating) complex locus
A_55_P2157195	0.00067	2.46		
A_66_P109220	3.31E-06	2.46	**4833442J19Rik**	RIKEN cDNA 4833442J19 gene
A_30_P01028790	0.000359	2.45		

A_51_P155565	0.000734	2.45	**4930590J08Rik**	RIKEN cDNA 4930590J08 gene
A_55_P2209298	3.53E-05	2.45	**AA589532**	expressed sequence AA589532
A_30_P01025958	1.44E-05	2.45		
A_51_P120066	0.000515	2.45	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P2079388	0.000175	2.45	**Snora74a**	small nucleolar RNA, H/ACA box 74A
A_51_P120066	0.000394	2.45	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P1971854	1.51E-07	2.45	**Gm71**	predicted gene 71
A_30_P01026045	0.004587	2.45		
A_55_P2270740	6.65E-06	2.45		
A_30_P01025881	3.60E-07	2.45		
A_55_P2033680	1.47E-06	2.45		
A_30_P01022387	7.23E-06	2.45		
A_66_P121976	0.00116	2.45	**Slc4a11**	solute carrier family 4, sodium bicarbonate transporter-like, member 11
A_51_P229613	5.55E-05	2.45	**Pcsk2**	proprotein convertase subtilisin/kexin type 2
A_51_P119429	0.001051	2.45	**Nckap1l**	NCK associated protein 1 like
A_55_P2396375	9.86E-07	2.45	**1810073O08Rik**	RIKEN cDNA 1810073O08 gene
A_30_P01024439	0.002853	2.45		
A_55_P2052048	0.00016	2.45	**Pih1d2**	PIH1 domain containing 2
A_51_P359272	6.49E-07	2.45	**Alcam**	activated leukocyte cell adhesion molecule
A_30_P01033420	2.87E-05	2.45		
A_55_P2045127	1.53E-08	2.45		
A_52_P615375	0.000873	2.45	**Hist3h2a**	histone cluster 3, H2a
A_55_P2008740	9.18E-05	2.45	**Fcgr1**	Fc receptor, IgG, high affinity I
A_30_P01025798	0.000144	2.45		
A_51_P415126	6.93E-05	2.45	**Tgfa**	transforming growth factor alpha
A_30_P01027445	3.21E-06	2.45		
A_55_P2126423	8.45E-07	2.45		
A_30_P01029540	1.41E-06	2.45		
A_51_P194306	2.18E-05	2.45	**Lrrc1**	leucine rich repeat containing 1
A_30_P01025703	0.000552	2.45		
A_51_P282268	2.19E-06	2.45	**Snapc1**	small nuclear RNA activating complex, polypeptide 1
A_30_P01023653	0.001913	2.44		
A_51_P186856	3.12E-05	2.44	**Krt5**	keratin 5
A_51_P246924	0.000153	2.44	**Tppp3**	tubulin polymerization-promoting protein family member 3
A_55_P2186802	0.003522	2.44	**2300003K06Rik**	RIKEN cDNA 2300003K06 gene
A_55_P2133375	0.003672	2.44		
A_30_P01027016	5.04E-09	2.44		
A_51_P261560	0.000833	2.44	**1700061J05Rik**	RIKEN cDNA 1700061J05 gene
A_51_P490296	1.58E-08	2.44	**Slx4**	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae)
A_30_P01018304	1.95E-06	2.44		
A_55_P2073238	1.87E-05	2.44	**Daf2**	decay accelerating factor 2
A_55_P1977149	1.35E-05	2.44	**4933426M11Rik**	RIKEN cDNA 4933426M11 gene
A_51_P334685	1.74E-06	2.44	**Esyt1**	extended synaptotagmin-like protein 1
A_30_P01026682	6.25E-06	2.44		
A_30_P01031468	0.000113	2.44		
A_55_P2019989	0.000574	2.44		
A_55_P2079430	1.68E-05	2.44	**Spred1**	sprouty protein with EVH-1 domain 1, related sequence
A_30_P01032155	2.41E-07	2.44		
A_55_P2080592	3.72E-06	2.44	**Gm4934**	predicted gene 4934
A_30_P01027658	0.000984	2.44		
A_55_P2412329	7.71E-06	2.44	**4930581F22Rik**	RIKEN cDNA 4930581F22 gene
A_55_P1956762	4.90E-06	2.44		
A_51_P493857	6.61E-06	2.44	**Katna1**	katanin p60 (ATPase-containing) subunit A1
A_55_P2135750	1.94E-06	2.44		
A_30_P01017771	2.05E-06	2.44		
A_55_P2001233	2.04E-05	2.44	**Pydc3**	pyrin domain containing 3
A_55_P2067518	0.003061	2.44	**Slc13a3**	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3
A_66_P122415	2.64E-06	2.44	**Snhg6**	small nucleolar RNA host gene (non-protein coding) 6
A_51_P120875	0.002776	2.44	**Olfr713**	olfactory receptor 713
A_55_P1961084	6.58E-06	2.44	**Map3k1**	mitogen-activated protein kinase kinase kinase 1
A_30_P01025913	0.000151	2.43		
A_51_P310741	4.17E-05	2.43	**Olfr791**	olfactory receptor 791
A_52_P188593	0.001119	2.43		
A_55_P2020286	0.001335	2.43	**Tmem179**	transmembrane protein 179
A_30_P01030492	3.42E-05	2.43		
A_51_P415126	0.000182	2.43	**Tgfa**	transforming growth factor alpha
A_55_P2151919	3.17E-06	2.43		
A_55_P2022251	9.09E-06	2.43	**Cdkn2d**	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
A_55_P2131088	1.60E-06	2.43	**Vwa5a**	von Willebrand factor A domain containing 5A
A_30_P01029415	0.005828	2.43		
A_55_P2367463	0.000108	2.43	**Acer2**	alkaline ceramidase 2
A_55_P2097808	0.000878	2.43	**P4ha1**	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide
A_30_P01027008	0.000314	2.43		
A_55_P2053153	2.15E-08	2.43		
A_55_P2134557	0.000191	2.43	**Ms4a13**	membrane-spanning 4-domains, subfamily A, member 13
A_66_P116250	6.53E-05	2.43	**Efhd2**	EF hand domain containing 2
A_30_P01022730	0.000492	2.43		
A_51_P105927	9.20E-05	2.43	**Rasl12**	RAS-like, family 12
A_66_P101366	0.000195	2.43	**Gm7157**	predicted gene 7157
A_51_P104897	1.44E-05	2.43	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_30_P01023529	2.95E-05	2.43		
A_55_P2021345	4.92E-08	2.43		
A_55_P2028024	2.71E-06	2.43		
A_55_P2016227	2.36E-08	2.43	**Srcrb4d**	scavenger receptor cysteine rich domain containing, group B (4 domains)
A_30_P01028660	0.000244	2.43		
A_55_P2130855	0.000216	2.43	**Nap1l1**	nucleosome assembly protein 1-like 1
A_55_P2049080	3.80E-07	2.43	**Fam160a2**	family with sequence similarity 160, member A2
A_30_P01033350	1.35E-06	2.43		
A_30_P01019358	2.10E-08	2.43		
A_66_P109276	6.15E-06	2.43		
A_55_P2179030	3.36E-07	2.43	**Ostf1**	osteoclast stimulating factor 1
A_30_P01025728	9.44E-06	2.43		
A_55_P2097048	0.000141	2.43		
A_55_P1978258	3.84E-07	2.43		
A_55_P2096807	7.42E-07	2.43	**Rbms1**	RNA binding motif, single stranded interacting protein 1

A_55_P2416494	0.002006	2.43	**8430426J06Rik**	RIKEN cDNA 8430426J06 gene
A_55_P2022634	3.25E-06	2.43		
A_30_P01025732	7.86E-05	2.43		
A_51_P399845	0.000426	2.43	**Fgf2**	fibroblast growth factor 2
A_51_P418168	5.32E-07	2.43	**Manf**	mesencephalic astrocyte-derived neurotrophic factor
A_55_P1999815	0.003599	2.43		
A_30_P01026841	1.33E-08	2.43		
A_55_P2041397	5.39E-05	2.43	**Ezh2**	enhancer of zeste homolog 2 (Drosophila)
A_55_P2012599	1.56E-06	2.42	**Kifc5c-ps**	kinesin family member C5C, pseudogene
A_51_P121031	0.000936	2.42	**March1**	membrane-associated ring finger (C3HC4) 1
A_30_P01023221	3.19E-06	2.42		
A_52_P481423	0.000232	2.42	**Cttnbp2nl**	CTTNBP2 N-terminal like
A_55_P2162678	4.29E-09	2.42	**Dnajc10**	DnaJ (Hsp40) homolog, subfamily C, member 10
A_30_P01029532	1.13E-06	2.42		
A_55_P2010134	2.44E-06	2.42		
A_51_P327121	2.19E-05	2.42	**Was**	Wiskott-Aldrich syndrome homolog (human)
A_51_P398191	2.53E-05	2.42	**Auts2**	autism susceptibility candidate 2
A_30_P01017494	0.000384	2.42		
A_55_P2021211	6.26E-08	2.42		
A_55_P1970596	1.93E-05	2.42		
A_30_P01022909	7.72E-06	2.42		
A_51_P128876	1.87E-07	2.42	**Ifitm3**	interferon induced transmembrane protein 3
A_55_P2089942	7.61E-06	2.42	**Xpo1**	exportin 1, CRM1 homolog (yeast)
A_55_P2315057	0.003665	2.42	**Ttll8**	tubulin tyrosine ligase-like family, member 8
A_51_P128463	0.000467	2.42	**Grrp1**	glycine/arginine rich protein 1
A_55_P1955233	8.04E-06	2.42	**March3**	membrane-associated ring finger (C3HC4) 3
A_30_P01021079	0.000247	2.42		
A_55_P2074521	6.21E-05	2.42	**Psg28**	pregnancy-specific glycoprotein 28
A_30_P01030850	0.000601	2.42		
A_55_P1968738	0.00021	2.42	**Nfkb1**	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
A_51_P123314	1.73E-05	2.42	**Olfr74**	olfactory receptor 74
A_55_P2056344	0.001634	2.42	**Gm9992**	predicted gene 9992
A_55_P1975640	2.71E-06	2.42	**Zfp217**	zinc finger protein 217
A_52_P468068	0.002479	2.42	**Tchh**	trichohyalin
A_55_P2145257	1.09E-06	2.42		
A_30_P01026681	0.000369	2.42		
A_51_P355360	0.000686	2.42	**Jak3**	Janus kinase 3
A_51_P150678	0.001509	2.42	**Tnfaip8l2**	tumor necrosis factor, alpha-induced protein 8-like 2
A_30_P01027967	1.21E-05	2.42		
A_51_P431554	1.18E-05	2.42	**2310004N24Rik**	RIKEN cDNA 2310004N24 gene
A_51_P415126	1.14E-06	2.42	**Tgfa**	transforming growth factor alpha
A_52_P324767	0.000116	2.42	**Tmed8**	transmembrane emp24 domain containing 8
A_66_P116683	3.87E-05	2.42	**D630010B17Rik**	RIKEN cDNA D630010B17 gene
A_55_P2109032	4.62E-05	2.42	**Olfr545**	olfactory receptor 545
A_55_P2146279	0.000165	2.42	**2610027L16Rik**	RIKEN cDNA 2610027L16 gene
A_55_P1989846	0.000408	2.42	**Tm6sf1**	transmembrane 6 superfamily member 1
A_51_P124535	0.00043	2.42	**Mest**	mesoderm specific transcript
A_55_P1982628	1.00E-05	2.42	**1810029B16Rik**	RIKEN cDNA 1810029B16 gene
A_51_P399845	4.08E-05	2.42	**Fgf2**	fibroblast growth factor 2
A_51_P128876	5.19E-08	2.42	**Ifitm3**	interferon induced transmembrane protein 3
A_55_P2142222	0.000272	2.42	**Serpina3h**	serine (or cysteine) peptidase inhibitor, clade A, member 3H
A_55_P2081690	0.00071	2.42	**4930544O15Rik**	RIKEN cDNA 4930544O15 gene
A_51_P295192	7.12E-05	2.42	**Nfkbia**	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
A_55_P1963489	4.31E-08	2.41		
A_30_P01021577	1.23E-08	2.41		
A_52_P513842	1.53E-06	2.41	**Fubp1**	far upstream element (FUSE) binding protein 1
A_66_P102374	0.004819	2.41	**Calb1**	calbindin 1
A_55_P2110718	4.20E-06	2.41	**Npm1**	nucleophosmin 1
A_55_P2017441	3.05E-06	2.41		
A_51_P117226	0.000733	2.41	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_55_P2032024	0.000117	2.41	**Uggt2**	UDP-glucose glycoprotein glucosyltransferase 2
A_55_P1995503	8.90E-07	2.41	**Gm5643**	heterogeneous nuclear ribonucleoprotein A1 pseudogene
A_55_P1995173	3.76E-05	2.41	**Odc1**	ornithine decarboxylase, structural 1
A_30_P01032068	6.76E-07	2.41		
A_55_P2002133	3.38E-07	2.41	**Eif2c2**	eukaryotic translation initiation factor 2C, 2
A_51_P105927	5.66E-05	2.41	**Rasl12**	RAS-like, family 12
A_51_P128876	9.87E-09	2.41	**Ifitm3**	interferon induced transmembrane protein 3
A_51_P452153	0.004943	2.41	**2010001M09Rik**	RIKEN cDNA 2010001M09 gene
A_51_P124535	0.000379	2.41	**Mest**	mesoderm specific transcript
A_55_P2017972	3.09E-05	2.41	**Slc7a5**	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5
A_55_P2120777	5.96E-05	2.41	**Vsig10l**	ZV-set and immunoglobulin domain containing 10 like
A_55_P2347073	0.000256	2.41	**AI662501**	expressed sequence AI662501
A_30_P01019780	0.000525	2.41		
A_30_P01018760	7.62E-07	2.41		
A_55_P2260052	7.35E-05	2.41	**LOC654469**	hypothetical LOC654469
A_55_P2125049	1.09E-07	2.41	**Gm11127**	predicted gene 11127
A_30_P01032353	0.000801	2.41		
A_51_P402193	6.11E-06	2.41	**Map3k1**	mitogen-activated protein kinase kinase kinase 1
A_52_P289893	2.65E-06	2.41	**Prdm4**	PR domain containing 4
A_55_P2169888	8.72E-05	2.41	**D8Ertd82e**	DNA segment, Chr 8, ERATO Doi 82, expressed
A_55_P2416119	0.000114	2.41	**Cep290**	centrosomal protein 290
A_55_P1954161	0.00114	2.41	**Plagl2**	pleiomorphic adenoma gene-like 2
A_55_P2420983	0.002102	2.41	**6330575P09Rik**	RIKEN cDNA 6330575P09 gene
A_30_P01022886	2.55E-07	2.41		
A_55_P2021471	5.33E-06	2.41	**Mum1**	melanoma associated antigen (mutated) 1
A_30_P01028706	2.05E-05	2.41		
A_30_P01021534	0.00209	2.41		
A_30_P01030458	0.000584	2.41		
A_55_P2011872	6.46E-06	2.41	**Scd4**	stearoyl-coenzyme A desaturase 4
A_51_P169516	6.75E-06	2.41	**Ppp1r3d**	protein phosphatase 1, regulatory subunit 3D
A_55_P2104487	2.09E-08	2.40	**Pld1**	phospholipase D1
A_55_P1984406	0.001355	2.40	**Lrrk2**	leucine-rich repeat kinase 2
A_51_P130475	0.004046	2.40	**Wnt4**	wingless-related MMTV integration site 4
A_55_P2072940	0.00017	2.40		
A_52_P341449	4.42E-05	2.40	**Pgm3**	phosphoglucomutase 3

A_55_P2174067	2.53E-05	2.40	**Cerk**	ceramide kinase
A_30_P01023473	4.10E-05	2.40		
A_55_P1984985	0.004443	2.40	**Trim28**	tripartite motif-containing 28
A_30_P01018847	0.000105	2.40		
A_51_P124719	1.14E-07	2.40	**Ccdc93**	coiled-coil domain containing 93
A_55_P2332194	1.85E-05	2.40		
A_55_P2025883	0.000832	2.40	**Rims4**	regulating synaptic membrane exocytosis 4
A_55_P2080850	3.08E-05	2.40	**Ptpn2**	protein tyrosine phosphatase, non-receptor type 2
A_30_P01020072	1.78E-06	2.40		
A_30_P01025346	1.94E-06	2.40		
A_55_P2100963	2.71E-09	2.40	**8430410A17Rik**	RIKEN cDNA 8430410A17 gene
A_51_P119429	0.000744	2.40	**Nckap1l**	NCK associated protein 1 like
A_30_P01024571	0.000294	2.40		
A_66_P108345	0.000219	2.40	**Sgcb**	sarcoglycan, beta (dystrophin-associated glycoprotein)
A_30_P01028825	0.000324	2.40		
A_30_P01026097	1.11E-07	2.40		
A_55_P1986630	6.40E-06	2.40		
A_55_P1992227	4.47E-05	2.40	**Zkscan2**	zinc finger with KRAB and SCAN domains 2
A_55_P2019203	0.000124	2.40	**Spire1**	spire homolog 1 (Drosophila)
A_52_P510877	0.000134	2.40	**Bcl2l1**	BCL2-like 1
A_51_P128463	1.21E-05	2.40	**Grrp1**	glycine/arginine rich protein 1
A_51_P227718	0.005296	2.40	**Rasgrp4**	RAS guanyl releasing protein 4
A_51_P358462	0.000808	2.40	**4930579J09Rik**	RIKEN cDNA 4930579J09 gene
A_51_P117115	0.000746	2.40	**Olfr53**	olfactory receptor 53
A_52_P402663	0.000347	2.40	**Ninl**	ninein-like
A_55_P2007656	0.000105	2.40	**Cryab**	crystallin, alpha B
A_30_P01032887	0.001464	2.40		
A_51_P221625	1.72E-06	2.40	**Stk24**	serine/threonine kinase 24 (STE20 homolog, yeast)
A_66_P105032	0.000196	2.40	**Gm13889**	predicted gene 13889
A_30_P01024664	2.05E-05	2.40		
A_52_P556290	1.63E-05	2.40	**Arih1**	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)
A_55_P2207498	2.34E-05	2.40	**LOC541456**	hypothetical LOC541456
A_55_P2038767	0.000745	2.40	**Fam49a**	family with sequence similarity 49, member A
A_52_P126266	0.000367	2.40	**Prkab2**	protein kinase, AMP-activated, beta 2 non-catalytic subunit
A_51_P117226	0.002419	2.40	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_55_P2094964	0.000219	2.39		
A_66_P124788	5.29E-10	2.39	**Tbcb**	tubulin folding cofactor B
A_55_P2123566	7.50E-06	2.39		
A_51_P472901	7.82E-07	2.39	**Slc3a2**	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
A_51_P121031	0.001406	2.39	**March1**	membrane-associated ring finger (C3HC4) 1
A_30_P01023468	2.37E-06	2.39		
A_30_P01029386	0.000284	2.39		
A_55_P2115192	7.30E-08	2.39	**Sike1**	suppressor of IKBKE 1
A_55_P1994107	7.33E-08	2.39		
A_51_P105927	2.18E-07	2.39	**Rasl12**	RAS-like, family 12
A_52_P301374	4.26E-06	2.39	**Aaas**	achalasia, adrenocortical insufficiency, alacrimia
A_51_P305052	0.000249	2.39	**Siglecg**	sialic acid binding Ig-like lectin G
A_55_P2060163	5.81E-07	2.39		
A_55_P2042297	0.001819	2.39		
A_55_P2069550	0.000989	2.39		
A_55_P2060487	1.62E-06	2.39	**Zfp593**	zinc finger protein 593
A_55_P2172989	1.14E-06	2.39	**Ptpn23**	protein tyrosine phosphatase, non-receptor type 23
A_51_P398833	5.78E-05	2.39	**Tcfap2d**	transcription factor AP-2, delta
A_55_P2002103	0.000215	2.39	**Hmha1**	histocompatibility (minor) HA-1
A_66_P124806	0.000738	2.39	**Tlr4**	toll-like receptor 4
A_51_P126302	9.60E-06	2.39	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P2039454	0.001592	2.39	**Gm5088**	poly(A)-binding protein, cytoplasmic pseudogene
A_55_P1973254	3.95E-05	2.39	**Cmtm7**	CKLF-like MARVEL transmembrane domain containing 7
A_30_P01024959	2.60E-05	2.39		
A_51_P104897	1.59E-06	2.39	**Itpr3**	inositol 1,4,5-triphosphate receptor 3
A_55_P2140031	9.94E-05	2.39	**Fam129b**	family with sequence similarity 129, member B
A_52_P108502	3.00E-05	2.39	**Slc4a7**	solute carrier family 4, sodium bicarbonate cotransporter, member 7
A_55_P2165401	1.75E-08	2.39		
A_51_P502119	1.16E-06	2.39	**F11**	coagulation factor XI
A_55_P1980321	3.23E-05	2.39	**Pcbp3**	poly(rC) binding protein 3
A_51_P128876	1.34E-08	2.39	**Ifitm3**	interferon induced transmembrane protein 3
A_55_P2135331	0.000284	2.39	**Evl**	Ena-vasodilator stimulated phosphoprotein
A_30_P01032277	0.001345	2.39		
A_30_P01026352	0.000403	2.39		
A_51_P120066	0.000287	2.39	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_30_P01030895	4.65E-06	2.39		
A_51_P110888	0.001447	2.39	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_30_P01019397	9.78E-06	2.39		
A_30_P01030109	1.07E-06	2.39		
A_55_P2106489	0.00013	2.38	**Ankrd52**	ankyrin repeat domain 52
A_55_P2002815	0.000629	2.38		
A_52_P89683	8.93E-07	2.38		
A_30_P01025306	0.000212	2.38		
A_65_P08881	0.00458	2.38	**Pabpc1l**	poly(A) binding protein, cytoplasmic 1-like
A_55_P2165539	2.96E-05	2.38	**Aebp2**	AE binding protein 2
A_30_P01029340	3.75E-07	2.38		
A_51_P124719	2.69E-08	2.38	**Ccdc93**	coiled-coil domain containing 93
A_55_P1997831	6.98E-05	2.38	**Dbndd1**	dysbindin (dystrobrevin binding protein 1) domain containing 1
A_30_P01026103	0.006283	2.38		
A_55_P2063426	0.000393	2.38		
A_55_P2074381	8.58E-05	2.38		
A_51_P120717	0.00014	2.38	**Lmnb1**	lamin B1
A_51_P445562	0.003061	2.38	**Chst10**	carbohydrate sulfotransferase 10
A_55_P1991219	2.37E-05	2.38	**Stat3**	signal transducer and activator of transcription 3
A_51_P246166	0.001936	2.38	**Expi**	extracellular proteinase inhibitor
A_55_P2000127	1.30E-05	2.38	**Tgfb1i1**	transforming growth factor beta 1 induced transcript 1
A_30_P01022530	0.000251	2.38		
A_55_P2324425	1.76E-07	2.38	**5830403F22Rik**	RIKEN cDNA 5830403F22 gene
A_52_P365011	0.000173	2.38	**Fes**	feline sarcoma oncogene
A_52_P458647	0.000404	2.38		

A_55_P1976504	6.66E-07	2.38		
A_30_P01030818	4.95E-05	2.38		
A_55_P2097017	2.15E-07	2.38	**Eid1**	EP300 interacting inhibitor of differentiation 1
A_55_P2038627	0.003067	2.38		
A_55_P1961385	8.87E-06	2.38		
A_51_P105927	6.64E-05	2.38	**Rasl12**	RAS-like, family 12
A_51_P119429	0.000893	2.38	**Nckap1l**	NCK associated protein 1 like
A_51_P169255	0.000471	2.38	**Olfr190**	olfactory receptor 190
A_51_P415126	5.85E-05	2.38	**Tgfa**	transforming growth factor alpha
A_55_P2097651	0.000375	2.38		
A_30_P01026003	0.002002	2.38		
A_55_P2092826	5.69E-06	2.37	**Anxa1**	annexin A1
A_55_P2278965	3.87E-05	2.37	**5430420F09Rik**	RIKEN cDNA 5430420F09 gene
A_55_P2016064	0.004503	2.37		
A_55_P2030080	3.81E-06	2.37	**Kdm6b**	KDM1 lysine (K)-specific demethylase 6B
A_55_P2125786	0.001332	2.37	**Lrrc8e**	leucine rich repeat containing 8 family, member E
A_52_P60693	0.000121	2.37		
A_30_P01029285	1.66E-06	2.37		
A_55_P2108077	0.000248	2.37		
A_30_P01033017	0.000291	2.37		
A_30_P01029203	2.19E-05	2.37		
A_51_P100997	9.43E-06	2.37	**Serpinb3c**	serine (or cysteine) peptidase inhibitor, clade B, member 3C
A_55_P2162136	0.000208	2.37	**Hmgn2**	high mobility group nucleosomal binding domain 2
A_51_P208870	8.22E-07	2.37	**Zdhhc24**	zinc finger, DHHC domain containing 24
A_55_P1990026	4.81E-05	2.37	**Plscr3**	phospholipid scramblase 3
A_51_P161929	8.91E-07	2.37	**Tspo2**	translocator protein 2
A_55_P2015485	0.000234	2.37	**Ccdc19**	coiled-coil domain containing 19
A_55_P2006792	1.73E-05	2.37	**Ntrk2**	neurotrophic tyrosine kinase, receptor, type 2
A_55_P2123029	1.60E-06	2.37	**Olfr353**	olfactory receptor 353
A_51_P124535	0.000561	2.37	**Mest**	mesoderm specific transcript
A_55_P1963645	7.93E-08	2.37	**Gm6323**	predicted gene 6323
A_51_P124719	4.86E-08	2.37	**Ccdc93**	coiled-coil domain containing 93
A_55_P2084696	4.52E-05	2.37	**Hist1h2aa**	histone cluster 1, H2aa
A_66_P132710	0.000233	2.37	**Il20**	interleukin 20
A_51_P224771	0.000108	2.37	**Tmem184b**	transmembrane protein 184b
A_66_P104945	4.71E-06	2.37	**Krt24**	keratin 24
A_52_P137765	2.35E-07	2.37	**Lmna**	lamin A
A_30_P01018823	1.11E-05	2.36		
A_55_P2069052	3.46E-06	2.36	**Sacs**	sacsin
A_30_P01031734	0.000265	2.36		
A_30_P01032592	0.000128	2.36		
A_55_P1976376	0.00042	2.36	**Gimap4**	GTPase, IMAP family member 4
A_55_P2128611	1.63E-05	2.36		
A_52_P518997	7.88E-06	2.36	**Epha2**	Eph receptor A2
A_55_P2141241	2.46E-06	2.36	**E330016A19Rik**	RIKEN cDNA E330016A19 gene
A_51_P305532	0.000385	2.36	**Eif2s3x**	eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked
A_30_P01018274	6.32E-05	2.36		
A_30_P01031286	0.002375	2.36		
A_30_P01028974	0.00495	2.36		
A_55_P2000533	0.000158	2.36	**Polk**	polymerase (DNA directed), kappa
A_52_P152219	5.81E-05	2.36	**Rpgrip1l**	Rpgrip1-like
A_55_P2157751	0.000293	2.36	**Stk35**	serine/threonine kinase 35
A_55_P1968841	7.20E-07	2.36		
A_51_P268843	0.000515	2.36	**Rasip1**	Ras interacting protein 1
A_55_P2049553	1.47E-06	2.36	**Gm6003**	predicted gene 6003
A_55_P2029294	0.000374	2.36	**Cetn4**	centrin 4
A_66_P116373	2.14E-06	2.36	**Pwwp2b**	PWWP domain containing 2B
A_52_P368650	4.35E-05	2.36	**Zswim4**	zinc finger, SWIM domain containing 4
A_30_P01022244	7.23E-05	2.36		
A_55_P2179805	4.60E-07	2.36	**Syngr4**	synaptogyrin 4
A_55_P2062549	3.17E-05	2.36	**Gm6524**	katanin p60 (ATPase-containing) subunit A1 pseudogene
A_30_P01032071	0.000302	2.36		
A_30_P01030817	8.52E-05	2.36		
A_30_P01027326	4.43E-06	2.36		
A_52_P437084	4.90E-07	2.36		
A_30_P01025011	0.001215	2.36		
A_51_P114062	0.002613	2.36	**Ncs1**	neuronal calcium sensor 1
A_55_P2112991	0.000144	2.36	**Slc4a3**	solute carrier family 4 (anion exchanger), member 3
A_55_P1997106	1.34E-06	2.36	**Gyltl1b**	glycosyltransferase-like 1B
A_51_P120066	0.000874	2.36	**9330151L19Rik**	RIKEN cDNA 9330151L19 gene
A_55_P1956862	0.000704	2.36	**Egfr**	epidermal growth factor receptor
A_55_P2040121	1.54E-05	2.36	**Cdv3**	carnitine deficiency-associated gene expressed in ventricle 3
A_51_P126302	1.19E-05	2.36	**Rbmx2**	RNA binding motif protein, X-linked 2
A_55_P2035182	0.000106	2.36	**Pcdh9**	protocadherin 9
A_51_P128876	1.25E-08	2.36	**Ifitm3**	interferon induced transmembrane protein 3
A_55_P2051766	6.62E-06	2.36	**Cbx1**	chromobox homolog 1 (Drosophila HP1 beta)
A_55_P2121516	3.37E-05	2.36	**Ankfn1**	ankyrin-repeat and fibronectin type III domain containing 1
A_55_P2167521	4.86E-05	2.36		
A_55_P2075000	1.71E-05	2.36		
A_55_P2043992	0.003986	2.36		
A_30_P01031830	2.51E-05	2.36		
A_52_P326214	1.05E-07	2.36	**Cttn**	cortactin
A_30_P01019825	1.00E-06	2.36		
A_55_P1982131	1.09E-05	2.36		
A_51_P128876	5.78E-09	2.35	**Ifitm3**	interferon induced transmembrane protein 3
A_52_P417825	7.51E-06	2.35	**Osgin2**	oxidative stress induced growth inhibitor family member 2
A_51_P295215	7.38E-09	2.35	**Alkbh5**	alkB, alkylation repair homolog 5 (E. coli)
A_30_P01030455	2.83E-08	2.35		
A_55_P1954749	6.59E-05	2.35		
A_30_P01032787	9.22E-08	2.35		
A_55_P2143581	0.004361	2.35	**2610018G03Rik**	RIKEN cDNA 2610018G03 gene
A_30_P01018059	2.88E-05	2.35		
A_55_P2039279	3.71E-08	2.35	**Kcnh3**	potassium voltage-gated channel, subfamily H (eag-related), member 3
A_55_P2105351	0.000248	2.35	**Tmed5**	transmembrane emp24 protein transport domain containing 5
A_55_P2014765	0.002501	2.35	**Gm318**	predicted gene 318

A_55_P1953938	0.000882	2.35	**1700057K13Rik**	RIKEN cDNA 1700057K13 gene
A_55_P2000658	8.83E-05	2.35	**Gm15645**	predicted gene 15645
A_30_P01027834	0.000387	2.35		
A_55_P1962655	0.000847	2.35	**Olfr652**	olfactory receptor 652
A_30_P01031721	8.27E-05	2.35		
A_51_P108629	7.11E-07	2.35	**Prl3b1**	prolactin family 3, subfamily b, member 1
A_51_P121031	0.000968	2.35	**March1**	membrane-associated ring finger (C3HC4) 1
A_55_P2140002	3.80E-07	2.35	**Tnfaip8**	tumor necrosis factor, alpha-induced protein 8
A_55_P2369707	3.32E-06	2.35	**Gm5919**	predicted gene 5919
A_55_P1987054	1.11E-06	2.35	**Krtap5-1**	keratin associated protein 5-1
A_51_P193813	2.78E-06	2.35	**Fga**	fibrinogen alpha chain
A_30_P01023128	1.22E-08	2.35		
A_52_P173555	0.004999	2.35	**Cd247**	CD247 antigen
A_30_P01028976	0.002267	2.35		
A_52_P155554	0.00052	2.35	**Cdc42ep2**	CDC42 effector protein (Rho GTPase binding) 2
A_30_P01025932	0.000404	2.35		
A_55_P2046485	3.17E-06	2.35	**Zfp81**	zinc finger protein 81
A_30_P01027707	1.65E-05	2.35		
A_55_P1961616	0.00058	2.35		
A_55_P2009857	3.70E-05	2.35		
A_52_P491569	0.000123	2.35	**1700017B05Rik**	RIKEN cDNA 1700017B05 gene
A_30_P01030990	0.003049	2.35		
A_55_P1996862	2.45E-08	2.35	**Psme2**	proteasome (prosome, macropain) 28 subunit, beta
A_52_P85864	6.93E-09	2.35	**Eif6**	eukaryotic translation initiation factor 6
A_30_P01027942	2.09E-05	2.35		
A_51_P132013	0.000385	2.35	**Cysltr2**	cysteinyl leukotriene receptor 2
A_55_P2055844	0.000466	2.35	**Fbxo25**	F-box protein 25
A_51_P271153	6.56E-07	2.35	**Olfr166**	olfactory receptor 166
A_30_P01020695	0.000971	2.35		
A_30_P01027541	3.61E-05	2.35		
A_55_P2119032	3.19E-06	2.35	**Rasl2-9-ps**	RAS-like, family 2, locus 9, pseudogene
A_55_P2025008	0.000609	2.34	**Hvcn1**	hydrogen voltage-gated channel 1
A_55_P2035335	3.29E-05	2.34		
A_30_P01023607	0.001176	2.34		
A_55_P2103190	0.004374	2.34	**C530025M09Rik**	RIKEN cDNA C530025M09 gene
A_55_P2114594	0.000142	2.34	**Gm6040**	predicted gene 6040
A_55_P2133255	7.01E-05	2.34	**Mad2l1**	MAD2 mitotic arrest deficient-like 1 (yeast)
A_51_P266695	0.000408	2.34	**Peli3**	pellino 3
A_55_P1967015	7.86E-09	2.34	**Fgfr1**	fibroblast growth factor receptor 1
A_55_P2101956	1.09E-05	2.34		
A_55_P2150603	0.000887	2.34		
A_52_P587738	0.002137	2.34	**P2ry2**	purinergic receptor P2Y, G-protein coupled 2
A_52_P527874	2.51E-05	2.34	**Rrp12**	ribosomal RNA processing 12 homolog (S. cerevisiae)
A_55_P1955612	1.69E-07	2.34	**Nup93**	nucleoporin 93
A_55_P2120652	1.42E-09	2.34	**Snrpa1**	small nuclear ribonucleoprotein polypeptide A'
A_51_P351194	9.17E-07	2.34	**Cnfn**	cornifelin
A_55_P1979848	1.29E-05	2.34	**Celf6**	CUGBP, Elav-like family member 6
A_55_P1985638	9.33E-07	2.34	**Shisa7**	shisa homolog 7 (Xenopus laevis)
A_30_P01030518	0.000266	2.34		
A_55_P1957880	1.58E-08	2.34	**Hn1l**	hematological and neurological expressed 1-like
A_30_P01027691	2.44E-08	2.34		
A_30_P01032009	0.000198	2.34		
A_51_P199098	5.34E-07	2.34	**Tmem107**	transmembrane protein 107
A_55_P2184897	3.89E-05	2.34	**Lbr**	lamin B receptor
A_55_P2110507	1.10E-08	2.34		
A_55_P2171578	1.92E-07	2.34	**Mkrn1**	makorin, ring finger protein, 1
A_51_P433430	5.89E-06	2.34	**Phc1**	polyhomeotic-like 1 (Drosophila)
A_30_P01020725	0.002759	2.34		
A_30_P01026167	1.52E-06	2.34		
A_55_P2148534	0.003343	2.34	**Nr1d2**	nuclear receptor subfamily 1, group D, member 2
A_55_P2050073	1.11E-05	2.34		
A_55_P2138856	3.08E-06	2.34		
A_30_P01028057	0.000453	2.34		
A_55_P2109327	0.00162	2.34	**Ache**	acetylcholinesterase
A_55_P2076749	2.38E-06	2.34	**Cad**	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
A_55_P2100585	0.000715	2.34	**Cass4**	Cas scaffolding protein family member 4
A_30_P01019758	5.16E-05	2.34		
A_55_P2172022	1.75E-07	2.34	**B4galt1**	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1
A_30_P01029371	2.03E-06	2.34		
A_51_P156438	0.000118	2.34	**Slc25a33**	solute carrier family 25, member 33
A_51_P253897	1.54E-06	2.33	**Psca**	prostate stem cell antigen
A_55_P2029046	3.70E-05	2.33	**Fgd3**	FYVE, RhoGEF and PH domain containing 3
A_52_P502577	8.15E-05	2.33	**S1pr3**	sphingosine-1-phosphate receptor 3
A_51_P285446	1.24E-05	2.33	**Lig1**	ligase I, DNA, ATP-dependent
A_30_P01027205	2.25E-06	2.33		
A_30_P01022836	5.03E-05	2.33		
A_30_P01029969	3.94E-06	2.33		
A_52_P546513	0.000355	2.33	**Ppyr1**	pancreatic polypeptide receptor 1
A_55_P2006861	0.000316	2.33	**Trio**	triple functional domain (PTPRF interacting)
A_52_P395342	7.21E-05	2.33		
A_55_P2088028	0.000747	2.33	**Mtss1**	metastasis suppressor 1
A_30_P01023675	1.27E-05	2.33		
A_55_P2165074	2.95E-06	2.33	**Rnf31**	ring finger protein 31
A_55_P2016222	0.000475	2.33	**Srcrb4d**	scavenger receptor cysteine rich domain containing, group B (4 domains)
A_52_P505143	1.06E-06	2.33	**Jrk**	jerky
A_52_P463518	0.001192	2.33	**Cd200r1**	CD200 receptor 1
A_55_P1961270	0.001421	2.33	**Cd72**	CD72 antigen
A_30_P01030260	0.00052	2.33		
A_55_P1966337	1.40E-07	2.33	**Polr2h**	polymerase (RNA) II (DNA directed) polypeptide H
A_65_P11718	3.35E-06	2.33	**Nol8**	nucleolar protein 8
A_55_P2243768	0.002238	2.33	**D930030O05Rik**	RIKEN cDNA D930030O05 gene
A_30_P01031757	2.34E-07	2.33		
A_55_P2420928	1.66E-06	2.33	**2900016J10Rik**	RIKEN cDNA 2900016J10 gene
A_55_P2105457	8.47E-07	2.33	**Zfp7**	zinc finger protein 7
A_30_P01028915	1.50E-06	2.33		

A_30_P01030548	1.82E-05	2.33		
A_51_P123314	9.16E-05	2.33	**Olfr74**	olfactory receptor 74
A_30_P01024428	3.52E-09	2.33		
A_55_P2113981	0.000206	2.33	**St6gal2**	beta galactoside alpha 2,6 sialyltransferase 2
A_55_P2177834	5.52E-06	2.33		
A_51_P128876	1.14E-07	2.33	**Ifitm3**	interferon induced transmembrane protein 3
A_30_P01024308	0.000213	2.33		
A_51_P487869	1.41E-07	2.33	**Cyp4f16**	cytochrome P450, family 4, subfamily f, polypeptide 16
A_30_P01022012	4.66E-05	2.33		
A_55_P1964902	0.000513	2.33	**Gm3014**	predicted gene 3014
A_55_P1986185	1.38E-06	2.33		
A_55_P2061119	0.002203	2.33		
A_51_P341177	4.94E-05	2.33	**Ddah2**	dimethylarginine dimethylaminohydrolase 2
A_55_P2169659	0.002344	2.33		
A_52_P109304	2.88E-08	2.33	**Tbl2**	transducin (beta)-like 2
A_51_P401343	4.20E-05	2.33	**Cldn14**	claudin 14
A_30_P01028387	2.60E-07	2.33		
A_55_P2185605	0.000146	2.33	**Cd48**	CD48 antigen
A_30_P01020925	1.23E-05	2.32		
A_51_P254471	3.53E-06	2.32	**Birc2**	baculoviral IAP repeat-containing 2
A_55_P2216976	0.001685	2.32	**D13Ertd608e**	DNA segment, Chr 13, ERATO Doi 608, expressed
A_30_P01020233	0.000604	2.32		
A_55_P2028491	0.000282	2.32	**Hmgn2**	high mobility group nucleosomal binding domain 2
A_51_P152826	3.01E-07	2.32	**Golt1b**	golgi transport 1 homolog B (S. cerevisiae)
A_55_P2162204	9.39E-05	2.32	**Kctd15**	potassium channel tetramerisation domain containing 15
A_52_P528963	3.97E-07	2.32	**Eps15l1**	epidermal growth factor receptor pathway substrate 15-like 1
A_30_P01031403	0.004764	2.32		
A_30_P01023859	1.18E-05	2.32		
A_55_P1952696	5.12E-06	2.32		
A_55_P2322719	9.75E-05	2.32		
A_55_P2044587	1.28E-05	2.32	**Sorcs1**	VPS10 domain receptor protein SORCS 1
A_55_P2096942	0.002532	2.32	**Nrn1l**	neuritin 1-like
A_55_P1952156	6.49E-05	2.32		
A_55_P2125992	4.07E-09	2.32		
A_55_P2177347	8.05E-12	2.32		
A_55_P2093679	0.000255	2.32	**Zfp599**	zinc finger protein 599
A_30_P01020386	0.005933	2.32		
A_55_P1957762	5.27E-07	2.32	**Tsr1**	TSR1, 20S rRNA accumulation, homolog (yeast)
A_51_P272066	1.35E-05	2.32	**2010109I03Rik**	RIKEN cDNA 2010109I03 gene
A_52_P315890	0.000223	2.32	**Zfp934**	zinc finger protein 934
A_52_P404329	0.0003	2.32	**Saa4**	serum amyloid A 4
A_30_P01020492	0.00279	2.32		
A_55_P2120169	0.000321	2.32		
A_55_P2172678	0.000396	2.32	**Tm4sf19**	transmembrane 4 L six family member 19
A_55_P2286503	5.28E-07	2.32	**A930001C03Rik**	RIKEN cDNA A930001C03 gene
A_55_P2120596	0.001192	2.32	**BC018473**	cDNA sequence BC018473
A_51_P117115	0.000143	2.32	**Olfr53**	olfactory receptor 53
A_52_P571607	1.01E-06	2.32	**Myo1a**	myosin IA
A_51_P203827	0.000811	2.32	**Adrb1**	adrenergic receptor, beta 1
A_51_P246066	0.001355	2.32	**Slamf9**	SLAM family member 9
A_52_P315369	4.04E-06	2.32	**Cyb5r1**	cytochrome b5 reductase 1
A_30_P01028626	6.03E-05	2.32		
A_55_P2038770	0.001188	2.32	**Fam49a**	family with sequence similarity 49, member A
A_55_P2161640	0.002497	2.32	**Slc38a1**	solute carrier family 38, member 1
A_30_P01028959	0.00463	2.32		
A_30_P01026733	3.12E-09	2.32		
A_55_P2090142	1.85E-07	2.32	**Kcna7**	potassium voltage-gated channel, shaker-related subfamily, member 7
A_51_P219789	7.47E-08	2.32	**H2-Q2**	histocompatibility 2, Q region locus 2
A_30_P01022325	6.22E-06	2.32		
A_30_P01018756	1.20E-05	2.32		
A_55_P2042606	0.000224	2.32		
A_55_P2013356	0.000373	2.31	**Renbp**	renin binding protein
A_55_P2061432	5.38E-05	2.31	**Abpe**	androgen binding protein epsilon
A_55_P2059382	5.81E-08	2.31	**Arl6**	ADP-ribosylation factor-like 6
A_55_P1960725	8.51E-06	2.31		
A_51_P492893	6.64E-07	2.31	**Foxp4**	forkhead box P4
A_55_P1989116	0.000407	2.31		
A_55_P2173576	9.23E-05	2.31		
A_55_P1982340	0.000992	2.31		
A_66_P125405	2.08E-07	2.31	**Olfr285**	olfactory receptor 285
A_30_P01021455	1.79E-07	2.31		
A_52_P46310	4.92E-07	2.31	**Dcaf7**	DDB1 and CUL4 associated factor 7
A_55_P2084248	5.71E-05	2.31	**Adc**	arginine decarboxylase
A_55_P1976734	1.92E-05	2.31	**Cacna2d2**	calcium channel, voltage-dependent, alpha 2/delta subunit 2
A_55_P2010758	8.33E-08	2.31	**Npm3**	nucleoplasmin 3
A_51_P105927	0.000166	2.31	**Rasl12**	RAS-like, family 12
A_55_P2106926	0.001086	2.31	**Kcna3**	potassium voltage-gated channel, shaker-related subfamily, member 3
A_55_P1971889	0.001442	2.31	**F3**	coagulation factor III
A_55_P2136561	0.001153	2.31	**LOC100502818**	hypothetical protein LOC100502818
A_51_P223458	5.68E-08	2.31	**Polr3d**	polymerase (RNA) III (DNA directed) polypeptide D
A_51_P121031	0.000272	2.31	**March1**	membrane-associated ring finger (C3HC4) 1
A_55_P2112355	0.000254	2.31		
A_55_P2113690	0.004321	2.31	**Raph1**	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
A_55_P1967025	4.73E-08	2.31	**Thoc7**	THO complex 7 homolog (Drosophila)
A_55_P1977369	8.28E-08	2.31	**Ptprn2**	protein tyrosine phosphatase, receptor type, N polypeptide 2
A_30_P01026217	0.00223	2.31		
A_51_P114693	0.000502	2.31	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_30_P01025667	2.18E-06	2.31		
A_30_P01018542	0.000279	2.31		
A_55_P1984751	9.32E-08	2.31	**Ppp1r14b**	protein phosphatase 1, regulatory (inhibitor) subunit 14B
A_51_P335480	4.88E-05	2.31	**1810055G02Rik**	RIKEN cDNA 1810055G02 gene
A_30_P01033651	0.000477	2.31		
A_55_P1967022	8.77E-07	2.31	**Fgfr1**	fibroblast growth factor receptor 1
A_51_P101196	2.74E-08	2.31	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_30_P01021613	0.000398	2.31		

A_30_P01024634	2.37E-08	2.31		
A_55_P2123854	0.000418	2.31	**Zfhx2**	zinc finger homeobox 2
A_30_P01024530	2.81E-05	2.31		
A_55_P1970484	1.00E-05	2.31		
A_51_P157112	2.45E-05	2.31	**Serpina3c**	serine (or cysteine) peptidase inhibitor, clade A, member 3C
A_52_P98778	2.41E-06	2.31	**Ang4**	angiogenin, ribonuclease A family, member 4
A_55_P2119864	2.64E-07	2.31	**Cd2bp2**	CD2 antigen (cytoplasmic tail) binding protein 2
A_55_P1991214	0.000645	2.31	**Lair1**	leukocyte-associated Ig-like receptor 1
A_66_P129800	0.000125	2.31	**Rab8b**	RAB8B, member RAS oncogene family
A_30_P01031515	4.46E-05	2.31		
A_52_P131458	9.75E-05	2.31	**Ttc39b**	tetratricopeptide repeat domain 39B
A_55_P2062977	6.89E-05	2.31		
A_30_P01021435	2.96E-05	2.30		
A_51_P112174	0.000231	2.30	**Ahi1**	Abelson helper integration site 1
A_30_P01019108	7.86E-07	2.30		
A_55_P2017389	2.36E-06	2.30		
A_55_P2002553	2.19E-07	2.30	**Stx16**	syntaxin 16
A_52_P13815	0.000288	2.30	**Laptm5**	lysosomal-associated protein transmembrane 5
A_30_P01026203	3.10E-07	2.30		
A_55_P1982049	0.000457	2.30	**Icam2**	intercellular adhesion molecule 2
A_55_P2016287	2.70E-08	2.30	**Tpst1**	protein-tyrosine sulfotransferase 1
A_51_P446085	0.00032	2.30	**4933403G14Rik**	RIKEN cDNA 4933403G14 gene
A_51_P165683	2.28E-05	2.30	**Hirip3**	HIRA interacting protein 3
A_55_P1994477	1.10E-05	2.30	**Prrc2c**	proline-rich coiled-coil 2C
A_55_P2159094	3.56E-07	2.30	**Lepre1**	leprecan 1
A_30_P01026511	0.000772	2.30		
A_30_P01032868	0.000127	2.30		
A_55_P2169669	0.00158	2.30	**Csf1**	colony stimulating factor 1 (macrophage)
A_30_P01024946	3.95E-05	2.30		
A_55_P2168781	2.07E-06	2.30		
A_51_P124535	0.000309	2.30	**Mest**	mesoderm specific transcript
A_30_P01021260	2.07E-06	2.30		
A_66_P140185	0.000166	2.30	**Rgs9**	regulator of G-protein signaling 9
A_55_P2021821	2.60E-06	2.30	**Prmt1**	protein arginine N-methyltransferase 1
A_55_P2121185	7.41E-05	2.30	**Omp**	olfactory marker protein
A_30_P01020458	1.55E-06	2.30		
A_55_P1952230	9.68E-07	2.30	**Gm8883**	predicted gene 8883
A_55_P1956179	3.85E-08	2.30	**Git2**	G protein-coupled receptor kinase-interactor 2
A_51_P237040	0.000741	2.30	**Nog**	noggin
A_55_P2213828	1.37E-05	2.30	**4933412E12Rik**	RIKEN cDNA 4933412E12 gene
A_52_P440445	1.55E-05	2.30		
A_66_P134297	0.001388	2.30	**Olfr978**	olfactory receptor 978
A_55_P2034365	9.27E-06	2.30		
A_55_P1985005	1.21E-05	2.30	**Ghrh**	growth hormone releasing hormone
A_52_P248604	0.000548	2.30	**Cdh5**	cadherin 5
A_30_P01018404	2.24E-07	2.30		
A_55_P2181109	0.000109	2.30	**Il10rb**	interleukin 10 receptor, beta
A_52_P86693	1.89E-06	2.30	**Ifi27l1**	interferon, alpha-inducible protein 27 like 1
A_30_P01026193	0.000224	2.30		
A_52_P481316	0.005307	2.29	**Wdr93**	WD repeat domain 93
A_52_P380263	0.002118	2.29	**Podxl**	podocalyxin-like
A_55_P1952957	0.000141	2.29	**Olfr551**	olfactory receptor 551
A_51_P124535	0.000484	2.29	**Mest**	mesoderm specific transcript
A_55_P2159666	4.34E-07	2.29		
A_55_P1993933	2.51E-07	2.29		
A_55_P2208463	1.63E-07	2.29	**6820426E19Rik**	RIKEN cDNA 6820426E19 gene
A_55_P2120737	1.17E-06	2.29		
A_66_P122758	4.94E-07	2.29	**Tsr1**	TSR1, 20S rRNA accumulation, homolog (yeast)
A_55_P2094945	0.005109	2.29		
A_55_P1959530	8.41E-07	2.29		
A_30_P01019947	8.16E-05	2.29		
A_30_P01022057	2.85E-05	2.29		
A_55_P1958246	1.23E-06	2.29	**Tcof1**	Treacher Collins Franceschetti syndrome 1, homolog
A_55_P2029528	2.10E-06	2.29	**LOC100044874**	h-2 class I histocompatibility antigen, K-W28 alpha chain-like
A_30_P01023902	0.001921	2.29		
A_51_P415126	1.24E-05	2.29	**Tgfa**	transforming growth factor alpha
A_51_P120875	0.000678	2.29	**Olfr713**	olfactory receptor 713
A_30_P01033498	1.17E-06	2.29		
A_55_P1963304	0.000103	2.29	**Brwd3**	bromodomain and WD repeat domain containing 3
A_55_P2141782	2.19E-08	2.29		
A_55_P2013893	0.000267	2.29	**Cntn4**	contactin 4
A_30_P01031410	0.001786	2.29		
A_51_P418809	0.006438	2.29	**Airn**	antisense Igf2r RNA
A_55_P2035623	0.001811	2.29	**Zfp473**	zinc finger protein 473
A_55_P2103491	0.001221	2.29	**Fam170b**	family with sequence similarity 170, member B
A_52_P639402	0.000336	2.29	**Kcnk3**	potassium channel, subfamily K, member 3
A_30_P01030101	0.001987	2.29		
A_30_P01023847	0.000677	2.29		
A_55_P2004511	0.000215	2.29	**Cd300lf**	CD300 antigen like family member F
A_55_P2015292	4.40E-06	2.29	**Ltc4s**	leukotriene C4 synthase
A_30_P01021685	1.20E-06	2.29		
A_52_P253004	3.54E-06	2.29	**Ralb**	v-ral simian leukemia viral oncogene homolog B (ras related)
A_30_P01017810	1.67E-06	2.29		
A_51_P124535	0.000511	2.29	**Mest**	mesoderm specific transcript
A_30_P01021780	1.42E-07	2.29		
A_55_P2131831	2.45E-05	2.29	**Gdf5**	growth differentiation factor 5
A_51_P368009	3.43E-05	2.29	**E2f2**	E2F transcription factor 2
A_55_P2013873	0.001922	2.29	**Gm3718**	predicted gene 3718
A_52_P187940	0.000249	2.29	**Lfng**	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
A_51_P362661	0.001855	2.29	**Spin4**	spindlin family, member 4
A_52_P316437	0.000171	2.29	**1810013L24Rik**	RIKEN cDNA 1810013L24 gene
A_30_P01024819	6.37E-08	2.29		
A_55_P2027653	0.000788	2.29	**Arhgap25**	Rho GTPase activating protein 25
A_55_P2044729	0.00068	2.28	**Aoc2**	amine oxidase, copper containing 2 (retina-specific)
A_30_P01026727	2.79E-05	2.28		

A_51_P349888	2.84E-05	2.28	**Ang2**	angiogenin, ribonuclease A family, member 2
A_66_P139250	8.24E-05	2.28	**Kctd3**	potassium channel tetramerisation domain containing 3
A_51_P101196	1.03E-07	2.28	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_55_P2012459	7.18E-07	2.28		
A_30_P01032031	0.000163	2.28		
A_30_P01019760	7.92E-05	2.28		
A_55_P2116111	9.46E-05	2.28	**D8Ertd82e**	DNA segment, Chr 8, ERATO Doi 82, expressed
A_52_P156852	8.02E-05	2.28		
A_51_P415126	7.30E-05	2.28	**Tgfa**	transforming growth factor alpha
A_51_P479321	0.000183	2.28	**Acss1**	acyl-CoA synthetase short-chain family member 1
A_66_P130906	6.56E-05	2.28	**Dcaf7**	DDB1 and CUL4 associated factor 7
A_55_P1960743	5.95E-05	2.28	**Styxl1**	serine/threonine/tyrosine interacting-like 1
A_30_P01018912	0.000708	2.28		
A_66_P123635	2.94E-08	2.28	**Csf2rb**	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
A_55_P2256686	0.000833	2.28	**2610037D02Rik**	RIKEN cDNA 2610037D02 gene
A_30_P01030782	0.000111	2.28		
A_55_P2192729	1.65E-05	2.28	**5830469G19Rik**	RIKEN cDNA 5830469G19 gene
A_51_P390715	0.00059	2.28	**Tgfb1**	transforming growth factor, beta 1
A_55_P2067629	2.03E-05	2.28	**Ush1g**	Usher syndrome 1G homolog (human)
A_55_P2132894	6.37E-06	2.28	**Sdcbp**	syndecan binding protein
A_51_P116421	9.08E-05	2.28	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_52_P323852	5.33E-05	2.28	**Tnfrsf22**	tumor necrosis factor receptor superfamily, member 22
A_55_P2287947	1.47E-07	2.28	**A930037O16Rik**	RIKEN cDNA A930037O16 gene
A_30_P01027973	1.15E-06	2.28		
A_55_P1988202	0.000713	2.28	**Ifi203**	interferon activated gene 203
A_55_P2011943	4.81E-05	2.28	**Gramd1a**	GRAM domain containing 1A
A_55_P2097391	0.002208	2.28	**Fam46a**	family with sequence similarity 46, member A
A_30_P01031715	5.40E-05	2.28		
A_65_P10450	2.13E-05	2.28	**Tmpo**	thymopoietin
A_55_P2067413	0.000351	2.28		
A_55_P2179069	1.97E-08	2.28		
A_51_P114693	1.84E-05	2.28	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_55_P1967241	4.56E-05	2.28	**Mkl2**	MKL/myocardin-like 2
A_55_P1961034	0.003231	2.28	**Gm13272**	predicted gene 13272
A_30_P01026718	4.93E-05	2.28		
A_51_P124719	5.60E-08	2.28	**Ccdc93**	coiled-coil domain containing 93
A_30_P01029119	4.52E-05	2.28		
A_55_P2081925	2.78E-05	2.28	**Zfp53**	zinc finger protein 53
A_55_P2133452	5.44E-05	2.28	**Prss48**	protease, serine, 48
A_55_P2109263	4.48E-07	2.28	**Ppp1r14b**	protein phosphatase 1, regulatory (inhibitor) subunit 14B
A_30_P01021865	1.27E-05	2.27		
A_52_P153189	7.82E-06	2.27	**Arl2bp**	ADP-ribosylation factor-like 2 binding protein
A_51_P276943	1.02E-06	2.27	**Gpc1**	glypican 1
A_52_P504478	3.03E-05	2.27	**Adprh**	ADP-ribosylarginine hydrolase
A_55_P2034853	2.24E-05	2.27	**2610028H24Rik**	RIKEN cDNA 2610028H24 gene
A_52_P227937	0.000205	2.27		
A_51_P347154	0.005592	2.27	**Adam18**	a disintegrin and metallopeptidase domain 18
A_55_P2295671	3.78E-06	2.27	**D9Ertd720e**	DNA segment, Chr 9, ERATO Doi 720, expressed
A_66_P107790	4.74E-06	2.27	**2900073G15Rik**	RIKEN cDNA 2900073G15 gene
A_30_P01019837	0.000141	2.27		
A_55_P2155103	0.000802	2.27	**Sypl2**	synaptophysin-like 2
A_30_P01031085	7.36E-07	2.27		
A_55_P2088530	2.24E-07	2.27	**Htt**	huntingtin
A_55_P2170876	0.001863	2.27	**Tcp10c**	t-complex protein 10c
A_30_P01027520	0.000913	2.27		
A_55_P1952414	2.55E-05	2.27	**Odf2**	outer dense fiber of sperm tails 2
A_55_P2010922	1.82E-07	2.27		
A_55_P1979014	6.71E-08	2.27		
A_30_P01020907	0.000341	2.27		
A_51_P115626	0.006185	2.27	**Shank3**	SH3/ankyrin domain gene 3
A_30_P01019649	0.002905	2.27		
A_55_P2177899	7.75E-06	2.27	**Dact1**	dapper homolog 1, antagonist of beta-catenin (xenopus)
A_55_P2007886	2.63E-05	2.27		
A_51_P112174	0.000216	2.27	**Ahi1**	Abelson helper integration site 1
A_55_P2169104	0.000184	2.27	**Odz4**	odd Oz/ten-m homolog 4 (Drosophila)
A_55_P2044385	0.000505	2.27	**Fgfbp3**	fibroblast growth factor binding protein 3
A_55_P2118540	9.19E-06	2.27		
A_55_P2136348	0.000285	2.27	**Ccr8**	chemokine (C-C motif) receptor 8
A_55_P1964078	0.000299	2.27		
A_55_P1973526	1.75E-05	2.27	**AU021034**	expressed sequence AU021034
A_51_P518163	2.79E-08	2.27	**Rrp9**	RRP9, small subunit (SSU) processome component, homolog (yeast)
A_51_P318551	1.89E-05	2.27	**Nle1**	notchless homolog 1 (Drosophila)
A_51_P101196	1.50E-07	2.27	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_51_P101196	6.21E-08	2.27	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_52_P312371	1.93E-07	2.27	**Zfp345**	zinc finger protein 345
A_51_P156434	0.000157	2.27	**Slc25a33**	solute carrier family 25, member 33
A_55_P2101392	0.000327	2.27	**Als2cr4**	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4
A_51_P390715	0.001707	2.27	**Tgfb1**	transforming growth factor, beta 1
A_55_P2126050	1.16E-07	2.27		
A_55_P2076861	0.000207	2.27	**Sema6d**	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D
A_55_P2097398	4.48E-05	2.27		
A_55_P2040921	0.003689	2.27		
A_55_P2012389	3.75E-05	2.26	**Sfxn3**	sideroflexin 3
A_55_P1999012	0.000201	2.26		
A_55_P2153990	6.15E-09	2.26	**Gm1332**	predicted gene 1332
A_55_P2151685	0.000663	2.26	**Pira11**	paired-Ig-like receptor A11
A_30_P01026116	1.20E-05	2.26		
A_30_P01026389	0.000455	2.26		
A_55_P2173224	0.001416	2.26	**Kif2a**	kinesin family member 2A
A_55_P2200009	1.48E-05	2.26	**LOC493582**	hypothetical LOC493582
A_66_P128440	5.45E-07	2.26	**BB094273**	expressed sequence BB094273
A_55_P2101920	0.000451	2.26	**4931408A02Rik**	RIKEN cDNA 4931408A02 gene
A_55_P1957272	0.000167	2.26		
A_30_P01029249	0.000624	2.26		
A_55_P2032815	0.000346	2.26	**Rnase13**	ribonuclease, RNase A family, 13 (non-active)

A_55_P2010596	0.00079	2.26	**Tdpoz2**	TD and POZ domain containing 2
A_30_P01029457	0.00474	2.26		
A_30_P01021042	2.98E-05	2.26		
A_30_P01018450	0.000296	2.26		
A_55_P2135833	1.97E-05	2.26		
A_51_P115159	5.63E-07	2.26	**Fam162a**	family with sequence similarity 162, member A
A_30_P01024368	0.000759	2.26		
A_30_P01032001	5.67E-07	2.26		
A_55_P2102250	2.22E-06	2.26	**Dzip1**	DAZ interacting protein 1
A_55_P1997861	0.000101	2.26	**Adamtsl5**	ADAMTS-like 5
A_51_P463428	0.000882	2.26	**Pik3ip1**	phosphoinositide-3-kinase interacting protein 1
A_55_P2046661	7.99E-07	2.26	**Tnfrsf14**	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)
A_66_P114537	1.33E-07	2.26		
A_55_P2011712	1.40E-05	2.26		
A_55_P2028015	0.000124	2.26	**Pawr**	PRKC, apoptosis, WT1, regulator
A_66_P117366	9.78E-05	2.26	**Csnk1e**	casein kinase 1, epsilon
A_51_P195573	3.42E-06	2.26	**Dnmt1**	DNA methyltransferase (cytosine-5) 1
A_55_P2034245	5.91E-05	2.26	**Meox1**	mesenchyme homeobox 1
A_51_P128876	3.16E-08	2.26	**Ifitm3**	interferon induced transmembrane protein 3
A_51_P255257	4.21E-05	2.26	**Olfr513**	olfactory receptor 513
A_30_P01027755	2.41E-06	2.26		
A_30_P01026612	1.68E-05	2.26		
A_55_P1968483	2.31E-06	2.26	**Gtpbp6**	GTP binding protein 6 (putative)
A_55_P1968095	0.000449	2.26	**Olfr1280**	olfactory receptor 1280
A_51_P497882	0.000307	2.26	**Creb3l4**	cAMP responsive element binding protein 3-like 4
A_51_P201721	6.47E-06	2.26	**Crtap**	cartilage associated protein
A_30_P01029576	3.95E-06	2.26		
A_30_P01031338	3.93E-08	2.25		
A_30_P01030403	8.45E-07	2.25		
A_30_P01030226	1.86E-05	2.25		
A_51_P312497	1.83E-07	2.25	**Atp7a**	ATPase, Cu++ transporting, alpha polypeptide
A_55_P2120577	0.000304	2.25	**Cited2**	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_55_P2059606	5.02E-06	2.25	**Stat2**	signal transducer and activator of transcription 2
A_30_P01027242	5.01E-05	2.25		
A_55_P2032849	9.89E-07	2.25		
A_55_P2073915	3.62E-05	2.25		
A_51_P317443	1.85E-08	2.25	**Cd3eap**	CD3E antigen, epsilon polypeptide associated protein
A_55_P2004930	2.46E-06	2.25	**Hddc2**	HD domain containing 2
A_52_P305949	0.001255	2.25	**Mllt4**	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
A_30_P01025032	5.61E-06	2.25		
A_30_P01023807	8.01E-06	2.25		
A_65_P09031	6.10E-05	2.25	**Cdc42se2**	CDC42 small effector 2
A_30_P01018306	1.23E-05	2.25		
A_51_P450924	3.61E-05	2.25	**Pole4**	polymerase (DNA-directed), epsilon 4 (p12 subunit)
A_30_P01030080	6.69E-06	2.25		
A_30_P01024953	0.000189	2.25		
A_30_P01018487	3.94E-06	2.25		
A_51_P437608	1.97E-05	2.25	**Tulp3**	tubby-like protein 3
A_51_P250993	0.000701	2.25	**Zfp626**	zinc finger protein 626
A_66_P140658	0.000765	2.25	**Olfr787**	olfactory receptor 787
A_51_P292116	0.000882	2.25	**Ica1**	islet cell autoantigen 1
A_55_P1955457	0.001411	2.25	**Grb10**	growth factor receptor bound protein 10
A_55_P1993423	7.34E-08	2.25		
A_55_P1970144	7.29E-06	2.25	**Slc16a14**	solute carrier family 16 (monocarboxylic acid transporters), member 14
A_51_P241861	2.96E-05	2.25	**Tcirg1**	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3
A_30_P01025068	1.23E-05	2.25		
A_51_P101196	1.54E-07	2.25	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_65_P20799	4.67E-06	2.25	**Abi2**	abl-interactor 2
A_52_P8922	0.000469	2.25	**Sntb2**	syntrophin, basic 2
A_30_P01022756	6.89E-05	2.25		
A_55_P2024302	0.000111	2.25	**Spin1**	spindlin 1
A_30_P01027126	6.72E-06	2.25		
A_66_P120494	6.92E-05	2.25	**Duoxa1**	dual oxidase maturation factor 1
A_52_P642207	3.69E-06	2.25	**Mkrn1**	makorin, ring finger protein, 1
A_55_P2116898	0.004084	2.25		
A_55_P2010014	7.28E-08	2.25	**Mtap7d1**	microtubule-associated protein 7 domain containing 1
A_51_P101196	2.29E-07	2.25	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_51_P123314	7.34E-05	2.25	**Olfr74**	olfactory receptor 74
A_52_P624149	1.68E-07	2.25	**Hsp90b1**	heat shock protein 90, beta (Grp94), member 1
A_51_P116421	5.88E-05	2.25	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_55_P2407751	6.04E-05	2.25	**Tomm20l**	translocase of outer mitochondrial membrane 20 homolog (yeast)-like
A_30_P01025118	4.71E-05	2.25		
A_55_P2022364	6.16E-06	2.24	**Nxn**	nucleoredoxin
A_55_P2182392	7.83E-06	2.24	**Adat3**	adenosine deaminase, tRNA-specific 3, TAD2 homolog (S. cerevisiae)
A_55_P2182458	4.82E-09	2.24	**Kcnh4**	potassium voltage-gated channel, subfamily H (eag-related), member 4
A_52_P572447	2.77E-05	2.24	**Agpat5**	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)
A_51_P200083	2.38E-05	2.24	**Grina**	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)
A_55_P1973448	1.23E-05	2.24	**Ybx2**	Y box protein 2
A_30_P01025698	0.000125	2.24		
A_30_P01028437	9.07E-06	2.24		
A_30_P01019235	5.46E-06	2.24		
A_55_P2161423	3.53E-06	2.24	**Hif3a**	hypoxia inducible factor 3, alpha subunit
A_55_P2149787	0.000311	2.24	**Fcnb**	ficolin B
A_55_P2118629	0.000322	2.24		
A_55_P1969078	4.84E-05	2.24	**Adar**	adenosine deaminase, RNA-specific
A_51_P124748	2.88E-05	2.24	**Tgfb3**	transforming growth factor, beta 3
A_30_P01027462	7.68E-10	2.24		
A_51_P415126	0.000136	2.24	**Tgfa**	transforming growth factor alpha
A_52_P891775	1.08E-05	2.24	**Cdr2l**	cerebellar degeneration-related protein 2-like
A_30_P01017923	7.44E-06	2.24		
A_55_P2342264	0.000692	2.24	**2610008G14Rik**	RIKEN cDNA 2610008G14 gene
A_55_P2046145	0.000289	2.24	**Gm10693**	predicted pseudogene 10693
A_55_P2049532	8.66E-05	2.24		
A_66_P112919	6.69E-06	2.24	**Ppyr1**	pancreatic polypeptide receptor 1
A_55_P2017487	6.33E-07	2.24		

A_30_P01032262	0.000243	2.24		
A_51_P124535	0.000293	2.24	**Mest**	mesoderm specific transcript
A_52_P616580	0.000193	2.24	**Lgr6**	leucine-rich repeat-containing G protein-coupled receptor 6
A_51_P222590	2.63E-08	2.24	**Arf6**	ADP-ribosylation factor 6
A_55_P2021530	3.23E-06	2.24	**Clic4**	chloride intracellular channel 4 (mitochondrial)
A_55_P2035003	7.39E-05	2.24	**LOC100503847**	hypothetical LOC100503847
A_52_P56394	4.45E-08	2.24	**Psmg4**	proteasome (prosome, macropain) assembly chaperone 4
A_51_P307864	1.20E-05	2.24	**1700019N19Rik**	RIKEN cDNA 1700019N19 gene
A_30_P01033614	8.41E-05	2.24		
A_55_P2185811	0.000421	2.24		
A_55_P2113210	0.000216	2.24	**Cyth4**	cytohesin 4
A_55_P1999878	1.11E-05	2.24	**Sec24b**	Sec24 related gene family, member B (S. cerevisiae)
A_55_P2076273	4.35E-05	2.24		
A_55_P2382065	0.000601	2.24	**2810001A02Rik**	RIKEN cDNA 2810001A02 gene
A_55_P2043652	6.34E-06	2.24	**Zfp667**	zinc finger protein 667
A_55_P1968643	2.31E-05	2.24	**Vmn1r173**	vomeronasal 1 receptor 173
A_55_P2174601	0.000104	2.24	**LOC100047292**	pleckstrin homology domain-containing family A member 7-like
A_55_P2448776	2.49E-06	2.24	**Mdn1**	midasin homolog (yeast)
A_51_P101196	1.69E-08	2.24	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_55_P2127139	2.69E-05	2.24	**Hist1h3d**	histone cluster 1, H3d
A_51_P101196	3.60E-07	2.23	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_55_P2021423	0.002796	2.23	**Morn3**	MORN repeat containing 3
A_30_P01023641	5.18E-05	2.23		
A_30_P01021730	0.001866	2.23		
A_51_P426373	0.000532	2.23	**Cib4**	calcium and integrin binding family member 4
A_55_P1959833	2.22E-06	2.23	**AI118078**	expressed sequence AI118078
A_55_P2240301	5.73E-05	2.23	**D430034N21**	hypothetical protein D430034N21
A_30_P01023035	1.70E-08	2.23		
A_55_P2002954	0.002994	2.23		
A_55_P2031021	0.00264	2.23	**Bex1**	brain expressed gene 1
A_51_P486719	0.000202	2.23	**1700090G07Rik**	RIKEN cDNA 1700090G07 gene
A_66_P133189	0.000391	2.23		
A_52_P649561	5.44E-07	2.23	**Heg1**	HEG homolog 1 (zebrafish)
A_51_P203306	0.001253	2.23	**Vmn1r216**	vomeronasal 1 receptor 216
A_55_P2173452	2.85E-08	2.23		
A_30_P01032492	1.38E-06	2.23		
A_30_P01026773	4.35E-06	2.23		
A_30_P01018198	0.000182	2.23		
A_51_P401683	0.001146	2.23	**Tm6sf1**	transmembrane 6 superfamily member 1
A_55_P2078335	0.000213	2.23	**Mapk4**	mitogen-activated protein kinase 4
A_55_P1995996	4.13E-07	2.23	**Gm13157**	predicted gene 13157
A_51_P415126	3.41E-05	2.23	**Tgfa**	transforming growth factor alpha
A_55_P2125811	0.000724	2.23	**Esam**	endothelial cell-specific adhesion molecule
A_55_P2088910	0.000412	2.23		
A_65_P19395	5.37E-08	2.23	**H2-D1**	histocompatibility 2, D region locus 1
A_30_P01024996	0.002464	2.23		
A_30_P01023813	0.00582	2.23		
A_55_P2017570	0.000435	2.23	**Ncrna00085**	non-protein coding RNA 85
A_55_P1971093	1.08E-06	2.23		
A_30_P01027839	0.001539	2.23		
A_55_P2060892	1.54E-05	2.23	**Gm3238**	predicted gene 3238
A_51_P125882	4.82E-06	2.23	**Glp2r**	glucagon-like peptide 2 receptor
A_51_P221823	0.00088	2.23	**Krtap16-7**	keratin associated protein 16-7
A_30_P01024053	1.44E-05	2.23		
A_30_P01030550	1.41E-06	2.23		
A_55_P1985189	0.000253	2.23		
A_30_P01027440	1.53E-05	2.23		
A_52_P247927	0.000993	2.23		
A_30_P01028296	0.000598	2.23		
A_55_P1955998	7.58E-05	2.23	**Nlrp1a**	NLR family, pyrin domain containing 1A
A_55_P1956130	4.89E-07	2.22		
A_55_P2084758	4.26E-10	2.22	**Agfg1**	ArfGAP with FG repeats 1
A_55_P1953138	0.000612	2.22		
A_55_P2032916	0.000971	2.22	**Slc6a20a**	solute carrier family 6 (neurotransmitter transporter), member 20A
A_66_P123209	4.58E-05	2.22	**Vmn1r56**	vomeronasal 1 receptor 56
A_30_P01026079	0.000317	2.22		
A_55_P1965228	0.000434	2.22		
A_55_P2117124	3.02E-07	2.22	**Zbtb49**	zinc finger and BTB domain containing 49
A_55_P1972182	1.01E-06	2.22	**Siah1b**	seven in absentia 1B
A_51_P265406	1.20E-08	2.22	**Ric8**	resistance to inhibitors of cholinesterase 8 homolog (C. elegans)
A_55_P2087265	0.00028	2.22	**Gm7676**	interferon induced transmembrane protein 1 pseudogene
A_66_P124806	0.001312	2.22	**Tlr4**	toll-like receptor 4
A_55_P2154914	0.001117	2.22	**Acap1**	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1
A_52_P563617	0.000705	2.22	**Ssbp4**	single stranded DNA binding protein 4
A_30_P01027435	1.87E-06	2.22		
A_30_P01023852	0.000337	2.22		
A_51_P442206	1.83E-05	2.22	**Ankrd42**	ankyrin repeat domain 42
A_55_P2113523	7.01E-07	2.22	**Whsc1**	Wolf-Hirschhorn syndrome candidate 1 (human)
A_55_P2011570	0.000851	2.22		
A_51_P116421	0.000144	2.22	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_55_P2367843	1.28E-05	2.22	**Efcab4a**	EF-hand calcium binding domain 4A
A_55_P1953341	0.000403	2.22	**Wfdc2**	WAP four-disulfide core domain 2
A_30_P01033142	0.000709	2.22		
A_30_P01017434	5.79E-09	2.22		
A_55_P2044193	1.38E-06	2.22		
A_55_P1991811	0.001561	2.22	**Gm5431**	predicted gene 5431
A_55_P2168544	9.05E-05	2.22	**Pik3c2b**	phosphoinositide-3-kinase, class 2, beta polypeptide
A_55_P2137561	1.76E-08	2.22		
A_51_P252677	1.46E-05	2.22	**1110007C09Rik**	RIKEN cDNA 1110007C09 gene
A_52_P288750	0.000238	2.22	**Gm527**	predicted gene 527
A_55_P2145775	2.41E-05	2.22		
A_30_P01027855	4.16E-06	2.22		
A_66_P107348	0.000499	2.22	**Olfr955**	olfactory receptor 955
A_55_P2095271	0.000371	2.22	**Pkn3**	protein kinase N3
A_52_P155805	0.000397	2.22	**2010204K13Rik**	RIKEN cDNA 2010204K13 gene

A_30_P01033182	1.41E-05	2.22		
A_51_P414746	0.00247	2.22	**Defb15**	defensin beta 15
A_55_P2060630	0.000382	2.22	**Stk11ip**	serine/threonine kinase 11 interacting protein
A_55_P1971313	2.61E-07	2.22	**Gm15847**	predicted gene 15847
A_30_P01032108	9.11E-07	2.22		
A_51_P259555	7.03E-07	2.22	**Gpatch3**	G patch domain containing 3
A_30_P01018730	3.39E-05	2.22		
A_55_P2005585	0.00116	2.22	**Trps1**	trichorhinophalangeal syndrome I (human)
A_66_P101538	0.002259	2.22	**Lrrk2**	leucine-rich repeat kinase 2
A_30_P01031946	5.44E-07	2.22		
A_55_P2100620	0.002962	2.22	**Gm12216**	predicted gene 12216
A_55_P1957168	1.26E-07	2.22	**Ube2s**	ubiquitin-conjugating enzyme E2S
A_55_P1993698	3.53E-05	2.22	**Celf1**	CUGBP, Elav-like family member 1
A_66_P137285	0.001714	2.22	**A730045E13Rik**	RIKEN cDNA A730045E13 gene
A_66_P117204	1.25E-05	2.22		
A_51_P116421	0.000116	2.22	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_52_P137331	0.00259	2.22		
A_55_P1971373	0.001624	2.22	**Nlrp12**	NLR family, pyrin domain containing 12
A_55_P2099064	0.000294	2.22	**Whsc1**	Wolf-Hirschhorn syndrome candidate 1 (human)
A_52_P671812	4.61E-06	2.22		
A_66_P106760	0.000883	2.21	**Adam32**	a disintegrin and metallopeptidase domain 32
A_55_P1956093	0.000843	2.21		
A_51_P116421	0.000128	2.21	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_30_P01027231	0.000326	2.21		
A_30_P01019605	0.000484	2.21		
A_30_P01022814	2.65E-06	2.21		
A_55_P2040295	0.000569	2.21	**Ptp4a1**	protein tyrosine phosphatase 4a1
A_55_P2105359	1.67E-06	2.21	**Tmed5**	transmembrane emp24 protein transport domain containing 5
A_55_P2044953	1.53E-06	2.21	**Lst1**	leukocyte specific transcript 1
A_51_P117115	1.48E-05	2.21	**Olfr53**	olfactory receptor 53
A_55_P2027900	5.67E-05	2.21	**Gabra2**	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2
A_52_P322029	0.000321	2.21	**4930470P17Rik**	RIKEN cDNA 4930470P17 gene
A_51_P117226	0.000779	2.21	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_66_P102676	0.000487	2.21	**Olfr951**	olfactory receptor 951
A_55_P1965574	8.93E-05	2.21	**BC048546**	cDNA sequence BC048546
A_30_P01026531	1.92E-06	2.21		
A_30_P01033413	8.63E-05	2.21		
A_55_P2043833	4.55E-06	2.21	**Srgap2**	SLIT-ROBO Rho GTPase activating protein 2
A_30_P01025772	4.28E-06	2.21		
A_30_P01030900	8.40E-07	2.21		
A_30_P01027065	8.08E-06	2.21		
A_55_P2146254	0.000233	2.21	**Ifitm1**	interferon induced transmembrane protein 1
A_30_P01024414	0.000632	2.21		
A_30_P01020704	7.35E-05	2.21		
A_55_P2033425	8.95E-05	2.21	**Grm5**	glutamate receptor, metabotropic 5
A_66_P132846	7.09E-07	2.21	**Exosc1**	exosome component 1
A_51_P123314	5.10E-05	2.21	**Olfr74**	olfactory receptor 74
A_51_P121031	0.001211	2.21	**March1**	membrane-associated ring finger (C3HC4) 1
A_66_P106113	1.70E-05	2.21	**Rhoj**	ras homolog gene family, member J
A_30_P01021959	2.72E-05	2.21		
A_51_P277795	3.31E-06	2.21	**2810474O19Rik**	RIKEN cDNA 2810474O19 gene
A_52_P237973	0.000889	2.21	**Olfr170**	olfactory receptor 170
A_55_P2064538	0.000183	2.21	**Gm13154**	predicted gene 13154
A_30_P01032792	2.70E-05	2.21		
A_30_P01021304	2.19E-06	2.21		
A_55_P1957797	0.000275	2.21	**U46068**	cDNA sequence U46068
A_55_P2099468	0.000619	2.21		
A_51_P105927	3.81E-05	2.21	**Rasl12**	RAS-like, family 12
A_30_P01028302	2.80E-07	2.21		
A_55_P2152009	0.000218	2.21	**Tesc**	tescalcin
A_55_P2032518	6.77E-05	2.21	**Slc5a4a**	solute carrier family 5, member 4a
A_55_P2070005	1.62E-06	2.21		
A_51_P486001	1.51E-05	2.21	**Mobkl2a**	MOB1, Mps One Binder kinase activator-like 2A (yeast)
A_55_P2374197	4.56E-05	2.21		
A_55_P1982490	0.004497	2.21		
A_55_P2132897	4.92E-06	2.21	**1600023N17Rik**	RIKEN cDNA 1600023N17 gene
A_55_P2219581	1.93E-05	2.21	**C76332**	expressed sequence C76332
A_55_P2187121	0.000125	2.20	**Gpr137b-ps**	G protein-coupled receptor 137B, pseudogene
A_51_P112174	0.000172	2.20	**Ahi1**	Abelson helper integration site 1
A_51_P121031	0.00159	2.20	**March1**	membrane-associated ring finger (C3HC4) 1
A_30_P01021497	0.00012	2.20		
A_55_P2067473	4.02E-05	2.20		
A_30_P01022726	0.000358	2.20		
A_30_P01025427	0.000774	2.20		
A_30_P01021197	1.47E-06	2.20		
A_55_P2083988	0.000122	2.20	**Lmo2**	LIM domain only 2
A_55_P2073940	1.02E-05	2.20	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_51_P422629	7.95E-06	2.20	**Tbpl1**	TATA box binding protein-like 1
A_55_P2141841	1.68E-05	2.20		
A_30_P01027737	5.61E-06	2.20		
A_51_P365378	0.000278	2.20	**Best2**	bestrophin 2
A_55_P2119877	8.49E-05	2.20		
A_55_P2046143	0.000107	2.20	**Gm10693**	predicted pseudogene 10693
A_55_P2060097	0.002301	2.20	**Prdm5**	PR domain containing 5
A_51_P128876	1.03E-08	2.20	**Ifitm3**	interferon induced transmembrane protein 3
A_51_P377376	8.71E-05	2.20	**Gnl3**	guanine nucleotide binding protein-like 3 (nucleolar)
A_30_P01021544	6.10E-05	2.20		
A_55_P2330600	6.21E-05	2.20	**4930554C24Rik**	RIKEN cDNA 4930554C24 gene
A_55_P2312144	0.000186	2.20		
A_30_P01017693	2.89E-05	2.20		
A_30_P01025779	8.94E-08	2.20		
A_52_P280360	2.74E-07	2.20	**Rbm3**	RNA binding motif protein 3
A_51_P390715	0.000461	2.20	**Tgfb1**	transforming growth factor, beta 1
A_51_P390715	0.001415	2.20	**Tgfb1**	transforming growth factor, beta 1
A_52_P434055	0.001056	2.20	**Birc3**	baculoviral IAP repeat-containing 3

A_51_P171288	0.00022	2.20	**Gli3**	GLI-Kruppel family member GLI3
A_30_P01029338	0.00029	2.20		
A_55_P2107247	0.001883	2.20	**Tssk5**	testis-specific serine kinase 5
A_55_P1968153	6.56E-06	2.20	**Pcgf2**	polycomb group ring finger 2
A_30_P01028830	3.09E-07	2.20		
A_66_P106654	2.21E-06	2.20	**Camsap1**	calmodulin regulated spectrin-associated protein 1
A_55_P1983262	0.001176	2.20		
A_55_P2032202	0.000632	2.20		
A_55_P1981760	0.001964	2.20	**Vmn2r88**	vomeronasal 2, receptor 88
A_51_P325836	2.58E-07	2.20	**Hpx**	hemopexin
A_55_P2329136	9.45E-06	2.20	**D130017N08Rik**	RIKEN cDNA D130017N08 gene
A_30_P01021076	0.000217	2.20		
A_52_P222624	8.68E-06	2.20	**Hspb2**	heat shock protein 2
A_52_P506271	8.63E-08	2.20	**Cmtm4**	CKLF-like MARVEL transmembrane domain containing 4
A_55_P2133646	0.000185	2.20	**4922501C03Rik**	RIKEN cDNA 4922501C03 gene
A_51_P272563	2.21E-05	2.20	**Naa25**	N(alpha)-acetyltransferase 25, NatB auxiliary subunit
A_55_P2169247	0.001046	2.20	**Gm15056**	predicted gene 15056
A_55_P2111860	2.83E-05	2.20	**Zc3h12c**	zinc finger CCCH type containing 12C
A_55_P2109377	3.47E-08	2.20	**Camk2b**	calcium/calmodulin-dependent protein kinase II, beta
A_55_P2077488	0.004165	2.20	**5330417H12Rik**	RIKEN cDNA 5330417H12 gene
A_30_P01026875	3.83E-06	2.20		
A_55_P2007811	3.92E-05	2.20		
A_51_P101196	2.44E-07	2.20	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_51_P390285	6.68E-05	2.20	**Larp6**	La ribonucleoprotein domain family, member 6
A_30_P01032070	0.0005	2.20		
A_55_P2054663	6.22E-08	2.20	**Cox4i2**	cytochrome c oxidase subunit IV isoform 2
A_30_P01018187	0.005574	2.20		
A_51_P206445	0.000201	2.20	**Zfp773**	zinc finger protein 773
A_30_P01021908	0.0004	2.20		
A_51_P411770	4.28E-07	2.20	**Nip7**	nuclear import 7 homolog (S. cerevisiae)
A_30_P01020336	4.91E-06	2.20		
A_51_P293069	1.96E-08	2.20	**Mfsd7b**	major facilitator superfamily domain containing 7B
A_51_P275976	6.28E-05	2.20	**Dok1**	docking protein 1
A_55_P2060343	6.56E-05	2.20	**Zfp352**	zinc finger protein 352
A_30_P01022324	3.84E-05	2.20		
A_55_P2013273	4.38E-06	2.20		
A_51_P464576	5.49E-06	2.20	**Psen1**	presenilin 1
A_55_P2174308	1.54E-05	2.20	**Gm2102**	predicted gene 2102
A_55_P1998421	0.000233	2.19		
A_51_P403610	1.18E-05	2.19	**Olfr1339**	olfactory receptor 1339
A_55_P2114562	1.77E-07	2.19		
A_30_P01027767	3.54E-05	2.19		
A_30_P01032940	0.001039	2.19		
A_55_P2089677	1.23E-07	2.19	**Synrg**	synergin, gamma
A_51_P309501	0.002823	2.19	**Praf2**	PRA1 domain family 2
A_51_P117226	0.001984	2.19	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_30_P01023209	3.22E-08	2.19		
A_55_P2122605	0.005706	2.19	**Cbr2**	carbonyl reductase 2
A_30_P01029784	3.23E-09	2.19		
A_30_P01019633	0.000339	2.19		
A_55_P2145139	7.80E-05	2.19		
A_51_P492595	3.63E-05	2.19	**Fbxo42**	F-box protein 42
A_55_P1993365	2.17E-06	2.19		
A_65_P07450	0.000323	2.19	**Brd8**	bromodomain containing 8
A_30_P01023789	0.000646	2.19		
A_51_P503261	0.000117	2.19	**Lrrc8c**	leucine rich repeat containing 8 family, member C
A_52_P26357	0.00022	2.19	**Arhgef7**	Rho guanine nucleotide exchange factor (GEF7)
A_51_P241074	5.33E-06	2.19	**Map2k1**	mitogen-activated protein kinase kinase 1
A_52_P469381	8.26E-07	2.19	**Comtd1**	catechol-O-methyltransferase domain containing 1
A_55_P2066429	2.15E-07	2.19		
A_55_P2023424	6.41E-07	2.19	**Trip10**	thyroid hormone receptor interactor 10
A_30_P01031383	0.005682	2.19		
A_52_P498086	0.001231	2.19	**Sfpi1**	SFFV proviral integration 1
A_55_P2241488	3.31E-07	2.19	**5330439K02Rik**	RIKEN cDNA 5330439K02 gene
A_55_P1982891	5.61E-05	2.19	**Klk9**	kallikrein related-peptidase 9
A_30_P01022856	0.000104	2.19		
A_55_P1998601	0.000987	2.19	**Slc17a9**	solute carrier family 17, member 9
A_30_P01022072	9.57E-06	2.19		
A_55_P2118740	4.94E-08	2.19		
A_55_P2040341	1.61E-05	2.19		
A_30_P01023978	0.002438	2.19		
A_55_P2093689	3.96E-06	2.19	**Pold3**	polymerase (DNA-directed), delta 3, accessory subunit
A_30_P01018609	0.000277	2.19		
A_55_P1982817	3.12E-05	2.19		
A_55_P2098558	1.18E-09	2.19	**Slc39a1**	solute carrier family 39 (zinc transporter), member 1
A_55_P1975510	1.01E-06	2.19	**H6pd**	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
A_52_P452019	5.03E-05	2.19	**Usp31**	ubiquitin specific peptidase 31
A_55_P2059323	2.04E-06	2.19	**Gm13315**	lactate dehydrogenase A pseudogene
A_55_P2073268	4.46E-05	2.19	**Pin1**	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1
A_30_P01023537	1.96E-07	2.19		
A_66_P113659	1.79E-06	2.19	**Ripply1**	ripply1 homolog (zebrafish)
A_51_P463860	0.000115	2.19	**Fam161b**	family with sequence similarity 161, member B
A_55_P2141876	1.76E-05	2.19	**Ldha**	lactate dehydrogenase A
A_30_P01020667	4.69E-06	2.19		
A_55_P2139027	8.44E-07	2.19	**Plec**	plectin
A_30_P01025193	0.00424	2.19		
A_51_P110888	0.000382	2.19	**Pck2**	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
A_55_P1998374	1.00E-07	2.19	**Ppfibp1**	PTPRF interacting protein, binding protein 1 (liprin beta 1)
A_55_P2013928	6.05E-08	2.19	**Dhrs13**	dehydrogenase/reductase (SDR family) member 13
A_52_P562769	1.01E-05	2.19	**Ccdc66**	coiled-coil domain containing 66
A_55_P1979103	1.64E-05	2.19	**E330009J07Rik**	RIKEN cDNA E330009J07 gene
A_55_P2178733	0.000396	2.19	**Tbc1d1**	TBC1 domain family, member 1
A_55_P2006183	3.43E-05	2.19		
A_51_P327491	0.001931	2.19	**Apoa4**	apolipoprotein A-IV
A_55_P2049913	1.55E-05	2.19		

A_51_P281380	0.000327	2.19	**Tspan5**	tetraspanin 5
A_55_P2181251	8.38E-05	2.19	**A430105I19Rik**	RIKEN cDNA A430105I19 gene
A_51_P449325	0.005944	2.19	**H2-Oa**	histocompatibility 2, O region alpha locus
A_30_P01019322	2.70E-06	2.19		
A_55_P2353462	3.92E-05	2.19	**9530036O11Rik**	RIKEN cDNA 9530036O11Rik
A_51_P116421	0.000166	2.19	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_30_P01021694	2.52E-05	2.19		
A_51_P182311	0.000173	2.19	**Clec2i**	C-type lectin domain family 2, member i
A_55_P1998095	0.000598	2.19		
A_55_P2019118	7.74E-05	2.19	**LOC634012**	ubiquitin-conjugating enzyme E2 Q2-like
A_55_P1961458	8.06E-05	2.19	**Speer1-ps1**	spermatogenesis associated glutamate (E)-rich protein 1, pseudogene 1
A_52_P225898	0.00373	2.19	**Kcnj8**	potassium inwardly-rectifying channel, subfamily J, member 8
A_30_P01019372	2.92E-07	2.19		
A_30_P01030474	0.000328	2.19		
A_55_P2108165	2.39E-06	2.19	**Gm6907**	predicted gene 6907
A_55_P1959379	8.42E-05	2.19	**BC080695**	cDNA sequence BC080695
A_55_P2090768	1.83E-05	2.19		
A_55_P2085940	5.54E-06	2.18		
A_55_P2173353	3.35E-07	2.18	**Gm628**	predicted gene 628
A_30_P01027548	5.07E-06	2.18		
A_51_P234113	0.000561	2.18	**Nod1**	nucleotide-binding oligomerization domain containing 1
A_55_P2059164	1.31E-05	2.18	**H3f3b**	H3 histone, family 3B
A_65_P19933	0.000678	2.18	**Zdhhc23**	zinc finger, DHHC domain containing 23
A_30_P01026543	4.91E-06	2.18		
A_30_P01033469	0.000156	2.18		
A_55_P2090045	3.86E-05	2.18		
A_30_P01017841	3.80E-09	2.18		
A_55_P2146127	2.17E-08	2.18	**Chmp4b**	chromatin modifying protein 4B
A_55_P2152547	6.37E-06	2.18	**Myl3**	myosin, light polypeptide 3
A_55_P2149001	1.09E-08	2.18		
A_55_P2112613	2.02E-07	2.18		
A_55_P1999108	3.42E-05	2.18	**Defa1**	defensin, alpha 1
A_55_P1973043	0.003903	2.18	**Tmem163**	transmembrane protein 163
A_55_P2045299	1.62E-05	2.18	**Gpc5**	glypican 5
A_55_P2132671	8.63E-06	2.18		
A_55_P2036303	6.81E-05	2.18	**Bdnf**	brain derived neurotrophic factor
A_55_P2108763	2.09E-06	2.18	**Sp100**	nuclear antigen Sp100
A_55_P2101666	8.81E-05	2.18	**Vamp5**	vesicle-associated membrane protein 5
A_55_P1997574	8.45E-06	2.18	**Gm4850**	THO complex 4 pseudogene
A_55_P2053894	0.000672	2.18	**Olfr91**	olfactory receptor 91
A_30_P01030965	0.000262	2.18		
A_55_P1954511	1.02E-06	2.18	**Btbd10**	BTB (POZ) domain containing 10
A_55_P2019896	0.00013	2.18	**D730005E14Rik**	RIKEN cDNA D730005E14 gene
A_55_P2011132	3.13E-08	2.18	**Armc10**	armadillo repeat containing 10
A_55_P1989539	0.002222	2.18	**Cklf**	chemokine-like factor
A_55_P2042356	0.000415	2.18	**Rftn1**	raftlin lipid raft linker 1
A_30_P01023953	0.000774	2.18		
A_30_P01019824	0.000113	2.18		
A_55_P1987364	6.15E-06	2.18	**C330006K01Rik**	RIKEN cDNA C330006K01 gene
A_55_P2161450	0.000446	2.18	**Serpina3b**	serine (or cysteine) peptidase inhibitor, clade A, member 3B
A_51_P121031	0.002114	2.18	**March1**	membrane-associated ring finger (C3HC4) 1
A_52_P650540	4.89E-05	2.18	**Nlrp3**	NLR family, pyrin domain containing 3
A_55_P2153361	0.000131	2.18		
A_55_P2069995	2.03E-05	2.18		
A_30_P01030397	3.98E-07	2.18		
A_30_P01028728	9.87E-07	2.18		
A_55_P2133568	0.000144	2.18		
A_55_P1956048	2.53E-05	2.18	**H2-T3**	histocompatibility 2, T region locus 3
A_55_P2130905	4.55E-07	2.18		
A_51_P481930	0.000104	2.18	**Cdh15**	cadherin 15
A_51_P117226	0.005543	2.18	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_55_P2002357	5.93E-06	2.17	**Tnrc18**	trinucleotide repeat containing 18
A_55_P2331844	0.001886	2.17	**AU041474**	expressed sequence AU041474
A_30_P01021087	1.07E-05	2.17		
A_51_P165704	1.62E-06	2.17	**Mcm7**	minichromosome maintenance deficient 7 (S. cerevisiae)
A_51_P115626	0.001931	2.17	**Shank3**	SH3/ankyrin domain gene 3
A_51_P440460	2.12E-06	2.17	**Hip1r**	huntingtin interacting protein 1 related
A_55_P1981322	0.000872	2.17	**Grhl2**	grainyhead-like 2 (Drosophila)
A_55_P2021266	0.002234	2.17	**Hpse**	heparanase
A_55_P1967835	1.82E-05	2.17	**Tmem198**	transmembrane protein 198
A_55_P2084631	3.02E-05	2.17	**Hist1h2an**	histone cluster 1, H2an
A_51_P136521	2.47E-05	2.17	**Lypd2**	Ly6/Plaur domain containing 2
A_55_P2113550	7.74E-05	2.17		
A_30_P01026266	9.56E-06	2.17		
A_52_P138806	3.15E-05	2.17	**Dlgap3**	discs, large (Drosophila) homolog-associated protein 3
A_30_P01031484	0.000573	2.17		
A_55_P2108206	8.06E-08	2.17	**Rrp7a**	ribosomal RNA processing 7 homolog A (S. cerevisiae)
A_30_P01032934	0.000192	2.17		
A_30_P01033337	2.40E-07	2.17		
A_55_P2075670	1.39E-05	2.17		
A_51_P513163	1.84E-05	2.17	**Tra2a**	transformer 2 alpha homolog (Drosophila)
A_30_P01026070	0.001205	2.17		
A_55_P2060966	0.000163	2.17	**Mov10**	Moloney leukemia virus 10
A_51_P126302	0.000607	2.17	**Rbmx2**	RNA binding motif protein, X-linked 2
A_52_P580707	1.98E-07	2.17	**Zfp781**	zinc finger protein 781
A_30_P01022105	8.15E-06	2.17		
A_55_P2024709	1.25E-06	2.17	**4933427D14Rik**	RIKEN cDNA 4933427D14 gene
A_55_P1989013	7.22E-07	2.17	**Eif6**	eukaryotic translation initiation factor 6
A_30_P01023971	0.001613	2.17		
A_55_P2179572	9.10E-08	2.17	**Slc18a3**	solute carrier family 18 (vesicular monoamine), member 3
A_55_P2041910	5.07E-05	2.17	**Gm7935**	predicted pseudogene 7935
A_30_P01025186	0.00046	2.17		
A_55_P2156583	0.000206	2.17	**Cdk5r1**	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
A_30_P01027147	0.000967	2.17		
A_30_P01026788	0.002539	2.17		

A_52_P694988	1.22E-06	2.17	**Zfp933**	zinc finger protein 933
A_30_P01027190	8.79E-06	2.17		
A_30_P01027329	7.03E-05	2.17		
A_51_P506417	3.21E-05	2.17	**Krt14**	keratin 14
A_51_P382805	5.99E-06	2.17	**Zpbp2**	zona pellucida binding protein 2
A_30_P01031187	8.35E-09	2.17		
A_30_P01018639	1.85E-05	2.17		
A_30_P01023664	0.000141	2.17		
A_30_P01025720	9.39E-06	2.17		
A_51_P414927	0.002525	2.17	**Pigw**	phosphatidylinositol glycan anchor biosynthesis, class W
A_55_P2076489	8.30E-06	2.17	**Rac1**	RAS-related C3 botulinum substrate 1
A_55_P2093439	7.64E-05	2.17	**Mex3d**	mex3 homolog D (C. elegans)
A_55_P2047598	1.90E-09	2.17	**Arhgdia**	Rho GDP dissociation inhibitor (GDI) alpha
A_55_P2125261	7.67E-06	2.17	**4930523C07Rik**	RIKEN cDNA 4930523C07 gene
A_55_P2170210	5.25E-05	2.17	**Ap1s3**	adaptor-related protein complex AP-1, sigma 3
A_51_P390715	0.000398	2.17	**Tgfb1**	transforming growth factor, beta 1
A_55_P1982404	0.000247	2.17	**Gpm6b**	glycoprotein m6b
A_66_P101394	0.000785	2.17	**Gm11190**	predicted gene 11190
A_51_P186476	0.003656	2.17	**Slc11a1**	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1
A_51_P101196	3.23E-07	2.17	**Psme1**	proteasome (prosome, macropain) 28 subunit, alpha
A_30_P01024188	0.000473	2.17		
A_55_P2139886	1.74E-07	2.17	**Sft2d1**	SFT2 domain containing 1
A_30_P01023470	0.000168	2.17		
A_55_P2018017	0.001982	2.17	**Tnfsf10**	tumor necrosis factor (ligand) superfamily, member 10
A_55_P2132132	0.000788	2.17		
A_55_P2079561	0.000446	2.17	**Lilra6**	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6
A_55_P2058871	7.23E-06	2.17	**Otud5**	OTU domain containing 5
A_51_P174434	1.54E-05	2.17	**Cenpj**	centromere protein J
A_55_P2068882	0.000503	2.16	**Ccng2**	cyclin G2
A_55_P2127991	0.000191	2.16	**Ccl19**	chemokine (C-C motif) ligand 19
A_51_P116421	5.81E-05	2.16	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_55_P2025690	0.000332	2.16	**Slc5a7**	solute carrier family 5 (choline transporter), member 7
A_51_P357422	3.07E-05	2.16	**2410022L05Rik**	RIKEN cDNA 2410022L05 gene
A_52_P612803	7.74E-05	2.16	**Ccng1**	cyclin G1
A_55_P2054559	1.30E-08	2.16		
A_55_P2087292	0.002918	2.16		
A_30_P01025930	1.07E-07	2.16		
A_30_P01031896	5.07E-06	2.16		
A_30_P01025072	0.000912	2.16		
A_55_P2066304	4.95E-05	2.16	**Limk2**	LIM motif-containing protein kinase 2
A_52_P483129	0.003054	2.16	**Utp23**	UTP23, small subunit (SSU) processome component, homolog (yeast)
A_55_P2169311	0.004085	2.16	**4930515G01Rik**	RIKEN cDNA 4930515G01 gene
A_30_P01023456	9.71E-06	2.16		
A_55_P2085015	7.20E-06	2.16	**Vsx1**	visual system homeobox 1 homolog (zebrafish)
A_55_P2136890	0.004573	2.16		
A_30_P01029868	0.000248	2.16		
A_55_P1958932	2.23E-05	2.16		
A_51_P321331	1.20E-05	2.16	**Sptlc2**	serine palmitoyltransferase, long chain base subunit 2
A_52_P524227	8.78E-07	2.16	**Olfr149**	olfactory receptor 149
A_55_P2114201	0.000546	2.16	**G2e3**	G2/M-phase specific E3 ubiquitin ligase
A_30_P01026516	3.96E-05	2.16		
A_55_P2186450	3.70E-06	2.16		
A_55_P2227355	0.001606	2.16	**Ptpro**	protein tyrosine phosphatase, receptor type, O
A_55_P2026079	3.83E-05	2.16	**Usp31**	ubiquitin specific peptidase 31
A_30_P01028720	2.37E-06	2.16		
A_51_P240614	0.002146	2.16	**Tm4sf1**	transmembrane 4 superfamily member 1
A_55_P2016099	0.003455	2.16	**Gpr31c**	G protein-coupled receptor 31, D17Leh66c region
A_30_P01021840	0.0002	2.16		
A_55_P2160761	0.000123	2.16	**Zcchc2**	zinc finger, CCHC domain containing 2
A_51_P134030	2.81E-06	2.16	**Oas1e**	2'-5' oligoadenylate synthetase 1E
A_51_P479818	0.000168	2.16	**Lonrf3**	LON peptidase N-terminal domain and ring finger 3
A_55_P2065966	3.49E-06	2.16	**Ctdp1**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1
A_55_P2156490	0.000191	2.16	**Gm3146**	predicted gene 3146
A_52_P608255	0.000584	2.16	**Pim2**	proviral integration site 2
A_55_P2107362	0.000656	2.16	**Gjc1**	gap junction protein, gamma 1
A_51_P446012	0.000192	2.16	**Phf13**	PHD finger protein 13
A_52_P557059	0.000198	2.16	**Olfr536**	olfactory receptor 536
A_55_P2014328	1.55E-07	2.16		
A_55_P1990735	1.65E-05	2.16	**Ift122**	intraflagellar transport 122 homolog (Chlamydomonas)
A_55_P2168451	0.000208	2.16	**Nhlrc4**	NHL repeat containing 4
A_55_P2132549	0.000656	2.16	**Cd48**	CD48 antigen
A_55_P2042637	0.000725	2.16		
A_55_P2032079	0.000695	2.16	**Dbp**	D site albumin promoter binding protein
A_30_P01027312	2.62E-06	2.16		
A_55_P2321125	0.000309	2.16	**D230040A04Rik**	RIKEN cDNA D230040A04 gene
A_51_P116421	2.90E-05	2.16	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_55_P2139814	2.62E-05	2.16		
A_55_P2156930	0.000104	2.16	**Sytl3**	synaptotagmin-like 3
A_51_P419017	0.006054	2.16	**Pde10a**	phosphodiesterase 10A
A_51_P347529	0.000899	2.16	**Nek5**	NIMA (never in mitosis gene a)-related expressed kinase 5
A_51_P500949	0.00018	2.16	**Aff1**	AF4/FMR2 family, member 1
A_52_P445622	4.03E-05	2.16	**2610002M06Rik**	RIKEN cDNA 2610002M06 gene
A_55_P2062054	2.23E-08	2.16	**Dbndd2**	dysbindin (dystrobrevin binding protein 1) domain containing 2
A_55_P2107367	1.41E-05	2.16		
A_55_P2146891	1.01E-07	2.16		
A_30_P01027229	0.00082	2.16		
A_55_P2044992	1.13E-06	2.16		
A_30_P01026642	0.003995	2.16		
A_55_P2182586	3.36E-07	2.16	**Esrp1**	epithelial splicing regulatory protein 1
A_30_P01026690	0.000101	2.16		
A_55_P1962811	1.08E-07	2.16	**Anp32b**	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B
A_51_P124719	1.84E-07	2.16	**Ccdc93**	coiled-coil domain containing 93
A_55_P2233368	0.000125	2.15	**4930572J10Rik**	RIKEN cDNA 4930572J10 gene
A_55_P2018457	1.81E-05	2.15	**Hdac7**	histone deacetylase 7
A_30_P01029366	4.62E-06	2.15		

A_65_P15340	3.54E-07	2.15	**Zfp251**	zinc finger protein 251
A_55_P1969481	0.001834	2.15	**Hivep3**	human immunodeficiency virus type I enhancer binding protein 3
A_51_P123314	4.89E-05	2.15	**Olfr74**	olfactory receptor 74
A_55_P1981155	0.000124	2.15	**Phldb1**	pleckstrin homology-like domain, family B, member 1
A_55_P2048119	0.000743	2.15	**Slc29a4**	solute carrier family 29 (nucleoside transporters), member 4
A_55_P2122546	7.77E-06	2.15	**Csnk1e**	casein kinase 1, epsilon
A_30_P01030298	7.95E-05	2.15		
A_30_P01024515	5.94E-07	2.15		
A_55_P1974612	0.001264	2.15	**C030039L03Rik**	RIKEN cDNA C030039L03 gene
A_51_P128463	0.002532	2.15	**Grrp1**	glycine/arginine rich protein 1
A_55_P1997415	0.000129	2.15	**Exoc6b**	exocyst complex component 6B
A_55_P2055050	0.000175	2.15	**4930547M16Rik**	RIKEN cDNA 4930547M16 gene
A_30_P01023378	1.25E-05	2.15		
A_55_P2133225	5.29E-05	2.15	**Mmgt2**	membrane magnesium transporter 2
A_55_P2155479	0.00032	2.15	**Eps8**	epidermal growth factor receptor pathway substrate 8
A_51_P195875	0.000329	2.15	**Notch4**	Notch gene homolog 4 (Drosophila)
A_52_P436238	0.000265	2.15	**Odc1**	ornithine decarboxylase, structural 1
A_55_P2157068	5.67E-07	2.15	**Cdhr2**	cadherin-related family member 2
A_55_P2043269	1.36E-07	2.15	**Cdc42se1**	CDC42 small effector 1
A_30_P01020051	3.50E-06	2.15		
A_30_P01033251	0.000601	2.15		
A_55_P2028496	0.000853	2.15		
A_30_P01020853	0.001051	2.15		
A_30_P01017514	2.71E-06	2.15		
A_30_P01017601	6.11E-06	2.15		
A_51_P436521	8.07E-05	2.15	**Tmc2**	transmembrane channel-like gene family 2
A_52_P578790	0.002153	2.15	**Dok3**	docking protein 3
A_55_P2053810	0.000216	2.15	**Gm4831**	predicted gene 4831
A_55_P2003576	0.002532	2.15	**Tpx2**	TPX2, microtubule-associated protein homolog (Xenopus laevis)
A_30_P01032845	0.00282	2.15		
A_51_P117226	0.00134	2.15	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_30_P01019364	2.50E-05	2.15		
A_51_P212977	2.00E-05	2.15	**AA960436**	expressed sequence AA960436
A_55_P2129330	0.00025	2.15		
A_55_P2032099	0.001618	2.15	**Zfp715**	zinc finger protein 715
A_30_P01019135	0.001379	2.15		
A_55_P1959338	4.52E-05	2.15	**AI846148**	expressed sequence AI846148
A_55_P2053466	1.30E-06	2.15		
A_55_P2313658	0.000296	2.15	**C79777**	expressed sequence C79777
A_55_P2067483	1.99E-06	2.15		
A_30_P01022314	0.000457	2.15		
A_66_P118849	0.00037	2.15	**2310034G01Rik**	RIKEN cDNA 2310034G01 gene
A_30_P01026323	5.12E-05	2.15		
A_51_P145433	8.86E-06	2.15	**Lin7c**	lin-7 homolog C (C. elegans)
A_51_P222657	7.78E-06	2.15	**Tspo**	translocator protein
A_51_P115655	1.97E-05	2.15	**Iqcd**	IQ motif containing D
A_52_P141687	4.97E-05	2.14	**Gpr37l1**	G protein-coupled receptor 37-like 1
A_55_P1965817	0.000189	2.14		
A_55_P1964038	2.70E-07	2.14		
A_55_P1969700	7.76E-05	2.14	**Olfr1380**	olfactory receptor 1380
A_55_P2338090	3.37E-05	2.14	**F830115B05Rik**	RIKEN cDNA F830115B05 gene
A_51_P304490	0.00092	2.14	**Olfr12**	olfactory receptor 12
A_55_P1959953	0.000446	2.14	**BC006779**	cDNA sequence BC006779
A_55_P2210724	0.00031	2.14	**Trcg1**	taste receptor cell gene 1
A_55_P2113524	2.03E-06	2.14	**Whsc1**	Wolf-Hirschhorn syndrome candidate 1 (human)
A_55_P1975090	3.78E-06	2.14		
A_30_P01025480	2.90E-05	2.14		
A_55_P1952379	0.001153	2.14	**Fkbp5**	FK506 binding protein 5
A_30_P01027230	1.35E-08	2.14		
A_51_P214197	0.000624	2.14	**Stk17b**	serine/threonine kinase 17b (apoptosis-inducing)
A_51_P168695	1.97E-05	2.14	**Mast4**	microtubule associated serine/threonine kinase family member 4
A_51_P390715	0.000701	2.14	**Tgfb1**	transforming growth factor, beta 1
A_55_P1953489	0.001311	2.14	**Lrrc8b**	leucine rich repeat containing 8 family, member B
A_30_P01022241	9.91E-08	2.14		
A_51_P161354	4.89E-05	2.14	**Sesn2**	sestrin 2
A_51_P207028	6.46E-05	2.14	**Vmn1r227**	vomeronasal 1 receptor 227
A_55_P2348126	1.88E-05	2.14	**1500032F14Rik**	RIKEN cDNA 1500032F14 gene
A_55_P1992326	4.61E-06	2.14	**BC066135**	cDNA sequence BC066135
A_55_P1954768	5.32E-08	2.14		
A_30_P01019583	0.001591	2.14		
A_55_P1990111	1.96E-06	2.14	**Shroom3**	shroom family member 3
A_55_P2000930	8.07E-06	2.14	**Ccnyl1**	cyclin Y-like 1
A_30_P01025008	0.004632	2.14		
A_55_P1990450	0.002998	2.14	**Kif3b**	kinesin family member 3B
A_51_P115159	1.44E-07	2.14	**Fam162a**	family with sequence similarity 162, member A
A_55_P2060198	9.86E-06	2.14		
A_55_P2115127	2.87E-05	2.14	**Mphosph10**	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)
A_55_P2182740	0.000146	2.14	**2310047D07Rik**	RIKEN cDNA 2310047D07 gene
A_51_P290576	7.90E-05	2.14	**Plk2**	polo-like kinase 2 (Drosophila)
A_30_P01032176	0.002089	2.14		
A_55_P1978830	1.03E-06	2.14	**Camk2d**	calcium/calmodulin-dependent protein kinase II, delta
A_30_P01021426	0.001683	2.14		
A_55_P1986665	9.04E-08	2.14	**Olfr319**	olfactory receptor 319
A_52_P334796	0.000125	2.14	**Taar4**	trace amine-associated receptor 4
A_51_P342877	1.54E-05	2.14	**Scn1b**	sodium channel, voltage-gated, type I, beta
A_52_P451834	2.07E-05	2.14	**Stk35**	serine/threonine kinase 35
A_51_P300506	8.96E-06	2.14	**Cox6b2**	cytochrome c oxidase subunit VIb polypeptide 2
A_55_P2099765	4.38E-06	2.14		
A_51_P411917	1.34E-05	2.14	**Gata6**	GATA binding protein 6
A_55_P2109382	1.89E-07	2.14	**Adora2a**	adenosine A2a receptor
A_66_P134252	1.19E-08	2.14	**Gm12471**	predicted gene 12471
A_51_P278868	0.003476	2.14	**H2-DMb1**	histocompatibility 2, class II, locus Mb1
A_30_P01023730	0.000256	2.14		
A_51_P116421	5.55E-05	2.14	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_65_P10399	0.000632	2.14	**Gna13**	guanine nucleotide binding protein, alpha 13

A_51_P450278	9.75E-06	2.14	**2010003K11Rik**	RIKEN cDNA 2010003K11 gene
A_55_P2103432	6.28E-07	2.14		
A_30_P01020315	5.34E-05	2.14		
A_55_P1993976	5.53E-07	2.14	**Aimp2**	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2
A_55_P2090279	0.000173	2.13		
A_55_P1997231	0.00013	2.13		
A_51_P228706	1.77E-05	2.13	**Kcnc4**	potassium voltage gated channel, Shaw-related subfamily, member 4
A_55_P1986716	0.000673	2.13		
A_55_P2033445	7.56E-06	2.13	**Tnfrsf1b**	tumor necrosis factor receptor superfamily, member 1b
A_30_P01020278	2.10E-05	2.13		
A_55_P1973848	3.29E-05	2.13	**Sema4b**	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema
A_55_P1983819	1.03E-06	2.13	**Srsf7**	serine/arginine-rich splicing factor 7
A_55_P2121541	1.36E-07	2.13	**Gm6607**	40S ribosomal protein S20 pseudogene
A_66_P123666	1.94E-07	2.13	**Gdap1l1**	ganglioside-induced differentiation-associated protein 1-like 1
A_55_P1993789	0.001546	2.13	**Hmgn2**	high mobility group nucleosomal binding domain 2
A_55_P2013591	1.83E-06	2.13		
A_51_P494675	3.34E-05	2.13	**Cotl1**	coactosin-like 1 (Dictyostelium)
A_51_P117115	7.27E-07	2.13	**Olfr53**	olfactory receptor 53
A_51_P132685	0.004019	2.13	**Alppl2**	alkaline phosphatase, placental-like 2
A_55_P2292608	0.000471	2.13	**A930037H05Rik**	RIKEN cDNA A930037H05 gene
A_66_P124052	5.77E-05	2.13	**Bok**	BCL2-related ovarian killer protein
A_55_P2268945	0.004836	2.13	**LOC100038759**	hypothetical LOC100038759
A_51_P465281	3.66E-05	2.13	**Lgals1**	lectin, galactose binding, soluble 1
A_55_P2333061	0.001627	2.13	**A230101C19Rik**	RIKEN cDNA A230101C19 gene
A_30_P01026566	2.00E-06	2.13		
A_30_P01027165	1.55E-06	2.13		
A_51_P187901	9.24E-09	2.13	**Nop56**	NOP56 ribonucleoprotein homolog (yeast)
A_55_P2081555	2.44E-05	2.13	**Phf23**	PHD finger protein 23
A_30_P01031319	0.000786	2.13		
A_55_P2071656	0.000452	2.13	**Kcnma1**	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
A_51_P108901	2.76E-06	2.13	**Ccdc86**	coiled-coil domain containing 86
A_30_P01030836	0.000707	2.13		
A_51_P124089	8.43E-05	2.13	**Gtpbp2**	GTP binding protein 2
A_51_P486810	0.000282	2.13	**Gpx2**	glutathione peroxidase 2
A_55_P2004208	0.000106	2.13	**Defa-rs2**	defensin, alpha, related sequence 2
A_30_P01030481	0.002003	2.13		
A_51_P497171	0.000376	2.13	**Ly9**	lymphocyte antigen 9
A_30_P01020580	5.07E-05	2.13		
A_55_P2052853	0.000254	2.13		
A_55_P2118810	8.78E-07	2.13		
A_51_P487813	2.95E-05	2.13	**Lxn**	latexin
A_55_P2108948	0.000348	2.13	**Gjc3**	gap junction protein, gamma 3
A_55_P2030717	3.32E-06	2.13		
A_55_P2135845	1.43E-06	2.13		
A_30_P01029394	0.004016	2.13		
A_51_P115159	3.76E-07	2.13	**Fam162a**	family with sequence similarity 162, member A
A_30_P01031198	0.000438	2.13		
A_55_P2420948	6.84E-05	2.13		
A_55_P2010386	8.48E-05	2.13	**Tspan32**	tetraspanin 32
A_51_P483013	4.51E-06	2.13	**1110018G07Rik**	RIKEN cDNA 1110018G07 gene
A_52_P188261	4.00E-05	2.13	**Camk2d**	calcium/calmodulin-dependent protein kinase II, delta
A_30_P01026519	0.000897	2.13		
A_55_P2091889	0.000113	2.13	**2210015D19Rik**	RIKEN cDNA 2210015D19 gene
A_52_P189676	4.37E-05	2.13	**Olfr559**	olfactory receptor 559
A_55_P2118183	4.72E-05	2.13	**Tnks2**	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2
A_30_P01019036	4.10E-06	2.13		
A_30_P01019970	3.07E-05	2.13		
A_30_P01030134	1.11E-05	2.13		
A_55_P2123381	0.000116	2.13	**Fga**	fibrinogen alpha chain
A_55_P2177233	5.64E-06	2.13	**Abhd5**	abhydrolase domain containing 5
A_55_P2047599	1.40E-08	2.13	**Arhgdia**	Rho GDP dissociation inhibitor (GDI) alpha
A_30_P01030002	3.67E-06	2.13		
A_30_P01024088	0.002055	2.13		
A_30_P01026797	0.000338	2.13		
A_30_P01023757	0.000153	2.13		
A_55_P1971448	4.92E-08	2.13	**Snrpd1**	small nuclear ribonucleoprotein D1
A_55_P1968982	1.32E-06	2.13	**Pbx3**	pre B-cell leukemia transcription factor 3
A_30_P01022766	0.000307	2.13		
A_30_P01030491	7.41E-06	2.13		
A_30_P01022818	2.20E-05	2.13		
A_55_P2030171	7.25E-05	2.12	**Ifna2**	interferon alpha 2
A_51_P179504	1.51E-05	2.12	**Ang3**	angiogenin, ribonuclease A family, member 3
A_30_P01024848	3.71E-06	2.12		
A_30_P01030654	0.001106	2.12		
A_30_P01026412	5.12E-08	2.12		
A_30_P01026395	2.70E-05	2.12		
A_51_P387608	1.59E-05	2.12	**Hif1a**	hypoxia inducible factor 1, alpha subunit
A_55_P2347976	2.27E-05	2.12	**Mir17hg**	MIR17 host gene 1 (non-protein coding)
A_30_P01022432	0.000349	2.12		
A_30_P01017851	3.64E-07	2.12		
A_51_P328818	0.001019	2.12	**Olfr100**	olfactory receptor 100
A_55_P2115255	3.43E-07	2.12	**Fert2**	fer (fms/fps related) protein kinase, testis specific 2
A_51_P115159	5.70E-07	2.12	**Fam162a**	family with sequence similarity 162, member A
A_55_P2012960	4.82E-05	2.12	**Gpx7**	glutathione peroxidase 7
A_52_P231075	0.000133	2.12	**Fcrls**	Fc receptor-like S, scavenger receptor
A_55_P2031668	1.75E-06	2.12	**Gstp1**	glutathione S-transferase, pi 1
A_51_P328489	0.000362	2.12	**1700025G04Rik**	RIKEN cDNA 1700025G04 gene
A_55_P2016685	6.34E-07	2.12	**Csnk1g1**	casein kinase 1, gamma 1
A_30_P01019459	8.39E-06	2.12		
A_30_P01021863	0.000671	2.12		
A_30_P01032718	6.09E-05	2.12		
A_55_P2055315	4.08E-05	2.12		
A_51_P115626	0.002488	2.12	**Shank3**	SH3/ankyrin domain gene 3
A_52_P484925	0.000395	2.12		
A_55_P1984886	0.000822	2.12	**Hcst**	hematopoietic cell signal transducer

A_30_P01027214	0.000271	2.12		
A_30_P01028724	8.15E-05	2.12		
A_51_P115159	3.10E-06	2.12	**Fam162a**	family with sequence similarity 162, member A
A_55_P2038303	7.11E-05	2.12		
A_51_P126835	5.84E-07	2.12	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_55_P2063411	4.63E-08	2.12	**Rgp1**	RGP1 retrograde golgi transport homolog (S. cerevisiae)
A_51_P126835	4.54E-07	2.12	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_55_P2061036	0.001764	2.12		
A_30_P01028844	0.001382	2.12		
A_55_P2367250	7.20E-05	2.12	**Pou4f1**	POU domain, class 4, transcription factor 1
A_51_P103650	6.96E-09	2.12	**Trim8**	tripartite motif-containing 8
A_55_P1999240	1.32E-06	2.12		
A_55_P2061737	8.00E-05	2.12	**Tmsb4x**	thymosin, beta 4, X chromosome
A_55_P2023692	1.18E-05	2.12	**Neurl1a**	neuralized homolog 1A (Drosophila)
A_51_P252859	0.000149	2.12	**Cyr61**	cysteine rich protein 61
A_55_P2015375	0.001562	2.12	**Tuba3a**	tubulin, alpha 3A
A_55_P2107288	7.84E-06	2.12	**Tgfbr2**	transforming growth factor, beta receptor II
A_30_P01023320	3.77E-05	2.12		
A_51_P396273	5.29E-06	2.12	**Nras**	neuroblastoma ras oncogene
A_30_P01019478	1.10E-06	2.12		
A_30_P01020064	2.06E-06	2.12		
A_30_P01019873	0.000129	2.12		
A_55_P2148519	0.000671	2.12	**5830403L16Rik**	RIKEN cDNA 5830403L16 gene
A_55_P2076106	0.000305	2.12		
A_51_P115159	7.68E-07	2.12	**Fam162a**	family with sequence similarity 162, member A
A_55_P2201020	0.000333	2.12	**AI790442**	expressed sequence AI790442
A_55_P1998987	8.09E-05	2.12		
A_55_P1975177	3.19E-05	2.12	**Acyp1**	acylphosphatase 1, erythrocyte (common) type
A_55_P2002632	4.46E-06	2.12	**Rap1b**	RAS related protein 1b
A_52_P241508	0.000156	2.11	**Zbtb46**	zinc finger and BTB domain containing 46
A_51_P124748	0.000233	2.11	**Tgfb3**	transforming growth factor, beta 3
A_51_P272876	0.001707	2.11	**Fam46a**	family with sequence similarity 46, member A
A_55_P2176802	1.75E-05	2.11	**Hipk1**	homeodomain interacting protein kinase 1
A_30_P01027263	0.000558	2.11		
A_51_P396708	6.97E-05	2.11	**Med21**	mediator complex subunit 21
A_51_P360586	0.000202	2.11	**Hoxa6**	homeobox A6
A_52_P215469	3.83E-05	2.11	**Plekha1**	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1
A_55_P1981050	0.000217	2.11	**Gemin8**	gem (nuclear organelle) associated protein 8
A_55_P2018412	0.000615	2.11	**Sycp2**	synaptonemal complex protein 2
A_30_P01020862	9.24E-06	2.11		
A_55_P2148744	7.31E-07	2.11		
A_30_P01026071	0.000686	2.11		
A_51_P477229	0.000626	2.11	**Olfr780**	olfactory receptor 780
A_55_P2055537	1.44E-06	2.11	**Slc16a6**	solute carrier family 16 (monocarboxylic acid transporters), member 6
A_30_P01018135	0.000643	2.11		
A_30_P01025687	0.001092	2.11		
A_55_P2041075	2.11E-07	2.11	**Ccnd3**	cyclin D3
A_30_P01026504	3.65E-05	2.11		
A_52_P95910	0.000255	2.11	**Ugcg**	UDP-glucose ceramide glucosyltransferase
A_51_P121031	0.004706	2.11	**March1**	membrane-associated ring finger (C3HC4) 1
A_55_P2016367	0.000131	2.11	**Rhox3f**	reproductive homeobox 3F
A_55_P2066081	6.67E-07	2.11	**Prmt6**	protein arginine N-methyltransferase 6
A_55_P1958280	1.43E-06	2.11	**Arrdc1**	arrestin domain containing 1
A_55_P2390796	3.63E-05	2.11	**5031420N21Rik**	RIKEN cDNA 5031420N21 gene
A_51_P124748	0.000239	2.11	**Tgfb3**	transforming growth factor, beta 3
A_55_P2064272	1.09E-05	2.11		
A_66_P114295	0.000392	2.11		
A_55_P2122709	2.46E-06	2.11	**Arhgef3**	Rho guanine nucleotide exchange factor (GEF) 3
A_66_P116311	2.78E-06	2.11	**Kif5b**	kinesin family member 5B
A_55_P1997791	3.07E-07	2.11	**Fbl**	fibrillarin
A_30_P01027090	2.61E-05	2.11		
A_51_P155763	0.000927	2.11	**Ascc3**	activating signal cointegrator 1 complex subunit 3
A_30_P01023604	1.58E-07	2.11		
A_30_P01027639	4.69E-05	2.11		
A_55_P2295445	1.38E-05	2.11	**2600002B07Rik**	RIKEN cDNA 2600002B07 gene
A_51_P124748	8.90E-05	2.11	**Tgfb3**	transforming growth factor, beta 3
A_55_P1957018	1.68E-05	2.11	**Caskin2**	CASK-interacting protein 2
A_55_P2109752	1.93E-05	2.11	**Nans**	N-acetylneuraminic acid synthase (sialic acid synthase)
A_52_P374157	0.00192	2.11	**Kbtbd8**	kelch repeat and BTB (POZ) domain containing 8
A_52_P142412	3.40E-05	2.11	**5830409B07Rik**	RIKEN cDNA 5830409B07 gene
A_30_P01022903	0.002761	2.11		
A_55_P2155041	2.27E-05	2.11	**Ssbp2**	single-stranded DNA binding protein 2
A_65_P18981	0.003632	2.11	**Palb2**	partner and localizer of BRCA2
A_55_P2240116	2.67E-05	2.11	**2310005E17Rik**	RIKEN cDNA 2310005E17 gene
A_55_P1959470	2.17E-05	2.11	**Lrrfip1**	leucine rich repeat (in FLII) interacting protein 1
A_51_P124748	0.000464	2.11	**Tgfb3**	transforming growth factor, beta 3
A_55_P2190994	0.000177	2.11	**Cdsn**	corneodesmosin
A_52_P22617	2.39E-06	2.11	**Gm4862**	predicted gene 4862
A_52_P80007	0.000513	2.11	**Gpr139**	G protein-coupled receptor 139
A_55_P2136786	6.60E-06	2.11	**Zkscan1**	zinc finger with KRAB and SCAN domains 1
A_51_P338317	2.92E-05	2.11	**Rhoq**	ras homolog gene family, member Q
A_30_P01021038	0.001759	2.11		
A_51_P148060	0.000547	2.11	**Ptgfrn**	prostaglandin F2 receptor negative regulator
A_52_P192426	1.46E-06	2.11	**Tnfrsf1a**	tumor necrosis factor receptor superfamily, member 1a
A_55_P1970604	0.000238	2.11		
A_30_P01032045	5.17E-08	2.11		
A_51_P467410	1.39E-06	2.11	**Npm1**	nucleophosmin 1
A_55_P2054310	6.22E-06	2.11	**M6pr**	mannose-6-phosphate receptor, cation dependent
A_55_P2032368	4.03E-06	2.11		
A_55_P1998072	0.00014	2.11		
A_30_P01030532	0.000249	2.10		
A_55_P2012799	1.01E-06	2.10	**Rtkn**	rhotekin
A_55_P2060592	0.003074	2.10	**Hoxa1**	homeobox A1
A_30_P01028473	0.002973	2.10		
A_55_P1998995	7.98E-05	2.10	**Speg**	SPEG complex locus

A_30_P01022125	1.41E-06	2.10		
A_55_P2024224	0.004041	2.10	**Mapk6**	mitogen-activated protein kinase 6
A_51_P115626	0.00491	2.10	**Shank3**	SH3/ankyrin domain gene 3
A_51_P124748	2.89E-05	2.10	**Tgfb3**	transforming growth factor, beta 3
A_30_P01021453	2.35E-05	2.10		
A_55_P1966928	9.67E-05	2.10	**Lnx1**	ligand of numb-protein X 1
A_51_P355753	0.001763	2.10	**Hic1**	hypermethylated in cancer 1
A_51_P124748	2.53E-05	2.10	**Tgfb3**	transforming growth factor, beta 3
A_30_P01024410	0.006151	2.10		
A_55_P2150343	1.26E-05	2.10	**Fam38a**	family with sequence similarity 38, member A
A_51_P124748	3.77E-05	2.10	**Tgfb3**	transforming growth factor, beta 3
A_51_P115626	0.003223	2.10	**Shank3**	SH3/ankyrin domain gene 3
A_55_P2125963	7.67E-07	2.10		
A_51_P124748	0.000107	2.10	**Tgfb3**	transforming growth factor, beta 3
A_55_P2146768	6.93E-06	2.10	**Wfdc8**	WAP four-disulfide core domain 8
A_55_P2022354	4.28E-06	2.10	**Tmem209**	transmembrane protein 209
A_30_P01029598	4.22E-06	2.10		
A_55_P2149927	3.80E-05	2.10	**Gm5101**	predicted gene 5101
A_51_P317836	9.12E-07	2.10	**Cetn1**	centrin 1
A_30_P01019490	0.001459	2.10		
A_55_P2146789	1.32E-05	2.10		
A_30_P01032378	5.52E-05	2.10		
A_30_P01032401	2.78E-05	2.10		
A_55_P1997310	0.003562	2.10	**Fam57a**	family with sequence similarity 57, member A
A_55_P2021953	1.31E-06	2.10	**Olfr700**	olfactory receptor 700
A_66_P121361	1.93E-06	2.10		
A_55_P2057537	0.006148	2.10	**Gas7**	growth arrest specific 7
A_30_P01023496	0.00331	2.10		
A_30_P01028038	0.000153	2.10		
A_55_P2028600	6.71E-07	2.10	**Myh9**	myosin, heavy polypeptide 9, non-muscle
A_30_P01024771	8.27E-05	2.10		
A_51_P126835	2.96E-06	2.10	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_30_P01022139	0.002265	2.10		
A_55_P2113208	1.20E-08	2.10	**Snrpa1**	small nuclear ribonucleoprotein polypeptide A'
A_30_P01021554	0.000161	2.10		
A_30_P01021825	0.001698	2.10		
A_55_P1964752	0.002607	2.10	**Slc23a3**	solute carrier family 23 (nucleobase transporters), member 3
A_30_P01030722	0.005725	2.10		
A_51_P337944	4.90E-06	2.10	**Bmp2k**	BMP2 inducible kinase
A_55_P1993512	0.000103	2.10		
A_55_P2083834	0.000885	2.10		
A_55_P2169440	2.33E-05	2.10	**Mfsd6**	major facilitator superfamily domain containing 6
A_30_P01029735	3.67E-05	2.10		
A_51_P117226	0.003621	2.10	**Zdhhc2**	zinc finger, DHHC domain containing 2
A_55_P2183493	4.71E-06	2.10	**Spcs3**	signal peptidase complex subunit 3 homolog (S. cerevisiae)
A_30_P01032547	0.003183	2.10		
A_30_P01027936	1.42E-05	2.10		
A_55_P2085335	6.67E-06	2.10	**Mia1**	melanoma inhibitory activity 1
A_55_P2025611	2.04E-06	2.10	**Psme2**	proteasome (prosome, macropain) 28 subunit, beta
A_55_P2010469	7.09E-07	2.10	**Gm6616**	predicted gene 6616
A_55_P2234744	1.19E-05	2.10	**Spice1**	spindle and centriole associated protein 1
A_51_P124345	1.97E-06	2.10	**Cpne5**	copine V
A_51_P371279	0.002228	2.10	**Icos**	inducible T-cell co-stimulator
A_55_P2122835	3.53E-06	2.10		
A_30_P01026369	6.36E-07	2.10		
A_52_P744437	1.58E-05	2.10		
A_55_P2112370	0.000585	2.10		
A_55_P2064043	5.92E-07	2.10	**Cd44**	CD44 antigen
A_51_P115626	0.003263	2.10	**Shank3**	SH3/ankyrin domain gene 3
A_51_P351481	0.000148	2.10	**Ccnl1**	cyclin L1
A_55_P2422243	6.75E-05	2.10	**2900072G11Rik**	RIKEN cDNA 2900072G11 gene
A_30_P01032106	0.000116	2.10		
A_55_P2053491	2.86E-06	2.10	**Pdia6**	protein disulfide isomerase associated 6
A_55_P1970763	0.005225	2.10	**Pilrb2**	paired immunoglobin-like type 2 receptor beta 2
A_30_P01022321	0.000264	2.10		
A_30_P01021236	8.67E-06	2.10		
A_55_P2080756	9.37E-06	2.10	**Olfr704**	olfactory receptor 704
A_52_P645159	3.67E-06	2.10	**Cpsf6**	cleavage and polyadenylation specific factor 6
A_30_P01021297	4.11E-06	2.10		
A_55_P2071276	1.91E-05	2.09	**Gm6812**	predicted gene 6812
A_55_P2003139	0.000862	2.09	**Phf8**	PHD finger protein 8
A_51_P379775	5.58E-06	2.09	**Nrm**	nurim (nuclear envelope membrane protein)
A_52_P117197	0.002883	2.09	**Epc1**	enhancer of polycomb homolog 1 (Drosophila)
A_55_P2137496	0.000484	2.09	**Cd79a**	CD79A antigen (immunoglobulin-associated alpha)
A_51_P165060	0.001231	2.09	**Slc22a5**	solute carrier family 22 (organic cation transporter), member 5
A_30_P01026393	3.25E-06	2.09		
A_30_P01024774	0.000181	2.09		
A_55_P2116744	0.000495	2.09	**Xirp1**	xin actin-binding repeat containing 1
A_51_P115626	0.003318	2.09	**Shank3**	SH3/ankyrin domain gene 3
A_55_P2056221	2.67E-07	2.09		
A_55_P2076814	0.002887	2.09		
A_51_P428086	2.20E-05	2.09	**Spnb2**	spectrin beta 2
A_51_P258078	3.27E-09	2.09	**Nop2**	NOP2 nucleolar protein homolog (yeast)
A_30_P01033512	0.000927	2.09		
A_55_P1984837	8.91E-08	2.09		
A_55_P1954860	3.63E-07	2.09		
A_55_P2128869	1.21E-05	2.09	**Ccdc80**	coiled-coil domain containing 80
A_51_P233947	2.97E-08	2.09	**Tbc1d10b**	TBC1 domain family, member 10b
A_30_P01026806	0.000573	2.09		
A_55_P2149873	0.000105	2.09	**Mapk1ip1l**	mitogen-activated protein kinase 1 interacting protein 1-like
A_30_P01024326	3.31E-07	2.09		
A_66_P114964	6.40E-07	2.09		
A_55_P2046245	0.001425	2.09	**Hes1**	hairy and enhancer of split 1 (Drosophila)
A_30_P01029752	3.83E-05	2.09		
A_55_P2058908	7.94E-07	2.09	**Gphb5**	glycoprotein hormone beta 5

A_55_P2170359	0.000318	2.09		
A_30_P01030704	3.61E-06	2.09		
A_30_P01025303	1.09E-07	2.09		
A_51_P121031	0.000719	2.09	**March1**	membrane-associated ring finger (C3HC4) 1
A_55_P1990678	7.71E-06	2.09		
A_55_P2000172	0.002646	2.09	**Ppp1r16b**	protein phosphatase 1, regulatory (inhibitor) subunit 16B
A_55_P2045234	3.61E-06	2.09		
A_55_P2170847	0.000211	2.09	**Fbxo27**	F-box protein 27
A_51_P399985	6.76E-06	2.09	**Myo9b**	myosin IXb
A_55_P2105406	1.20E-06	2.09		
A_51_P247157	4.32E-06	2.09	**Hn1**	hematological and neurological expressed sequence 1
A_66_P115053	1.01E-06	2.09	**Anp32b**	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B
A_52_P566348	3.59E-09	2.09	**Nras**	neuroblastoma ras oncogene
A_66_P134171	7.89E-06	2.09		
A_30_P01019959	8.95E-06	2.09		
A_55_P2083806	1.18E-05	2.09	**Sp8**	trans-acting transcription factor 8
A_52_P144263	1.33E-06	2.09	**Rbms1**	RNA binding motif, single stranded interacting protein 1
A_55_P2155216	7.67E-05	2.09	**Ankrd34a**	ankyrin repeat domain 34A
A_30_P01025833	0.000189	2.09		
A_30_P01027344	6.02E-07	2.09		
A_30_P01020171	0.000322	2.09		
A_55_P2168189	1.93E-06	2.09		
A_52_P515282	0.000477	2.09	**1110051M20Rik**	RIKEN cDNA 1110051M20 gene
A_55_P2040777	3.06E-05	2.09	**Lipo1**	lipase, member O1
A_55_P1961391	4.20E-06	2.09	**LOC100046950**	hypothetical LOC100046950
A_55_P1958547	1.12E-06	2.09	**Gm7550**	predicted gene 7550
A_66_P117727	0.000121	2.08	**Lipo4**	lipase, member O4
A_30_P01027154	1.20E-06	2.08		
A_30_P01024506	0.001287	2.08		
A_51_P124719	1.07E-08	2.08	**Ccdc93**	coiled-coil domain containing 93
A_55_P2037323	1.22E-06	2.08	**Usp54**	ubiquitin specific peptidase 54
A_30_P01030751	0.000113	2.08		
A_65_P05252	3.86E-06	2.08	**Cdc25a**	cell division cycle 25 homolog A (S. pombe)
A_65_P03719	6.89E-05	2.08	**Fuca2**	fucosidase, alpha-L- 2, plasma
A_30_P01029108	3.02E-07	2.08		
A_55_P2007678	7.53E-06	2.08	**Trpc2**	transient receptor potential cation channel, subfamily C, member 2
A_55_P2107155	1.81E-05	2.08	**Rasd2**	RASD family, member 2
A_55_P2093277	0.000459	2.08	**Olfr1077-ps1**	olfactory receptor 1077, pseudogene 1
A_55_P2139763	4.29E-05	2.08	**Trim56**	tripartite motif-containing 56
A_30_P01027091	1.65E-07	2.08		
A_30_P01025417	0.000832	2.08		
A_51_P115159	5.62E-07	2.08	**Fam162a**	family with sequence similarity 162, member A
A_55_P2410240	0.000346	2.08	**A430075N02**	hypothetical protein A430075N02
A_30_P01022298	0.000143	2.08		
A_30_P01026285	1.53E-09	2.08		
A_30_P01028285	2.49E-06	2.08		
A_30_P01031819	0.00012	2.08		
A_30_P01017896	3.04E-06	2.08		
A_30_P01024397	2.75E-06	2.08		
A_30_P01020543	0.000173	2.08		
A_51_P128463	0.000503	2.08	**Grrp1**	glycine/arginine rich protein 1
A_66_P140474	0.000115	2.08		
A_55_P2088325	4.72E-07	2.08	**Ctdsp2**	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2
A_55_P2039556	4.88E-05	2.08	**Pak6**	p21 protein (Cdc42/Rac)-activated kinase 6
A_51_P483220	3.65E-05	2.08	**Impact**	imprinted and ancient
A_30_P01020637	5.32E-06	2.08		
A_55_P1978089	1.40E-05	2.08	**Dcaf17**	DDB1 and CUL4 associated factor 17
A_55_P2144248	0.000716	2.08	**Zfp790**	zinc finger protein 790
A_55_P2109857	0.000213	2.08	**Rgs2**	regulator of G-protein signaling 2
A_55_P1995354	0.000165	2.08	**Btnl2**	butyrophilin-like 2
A_30_P01018790	0.000605	2.08		
A_55_P1974827	2.74E-05	2.08	**Pde1b**	phosphodiesterase 1B, Ca2+-calmodulin dependent
A_30_P01019833	9.95E-05	2.08		
A_55_P2154398	0.000192	2.08	**Mtap7d3**	MAP7 domain containing 3
A_55_P1976634	0.000627	2.08	**Olfr657**	olfactory receptor 657
A_55_P2109678	4.58E-05	2.08		
A_51_P116421	8.62E-06	2.08	**Abcc5**	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
A_51_P124719	6.21E-10	2.08	**Ccdc93**	coiled-coil domain containing 93
A_55_P2046158	8.85E-07	2.08	**Tax1bp3**	Tax1 (human T-cell leukemia virus type I) binding protein 3
A_55_P2279997	0.000393	2.08	**4930549C15Rik**	RIKEN cDNA 4930549C15 gene
A_52_P606065	0.000266	2.08		
A_55_P2022399	0.00029	2.08	**Ghrl**	ghrelin
A_66_P129643	5.00E-05	2.08	**Gm6567**	predicted gene 6567
A_51_P441426	0.001413	2.08	**Pf4**	platelet factor 4
A_55_P2040260	3.96E-05	2.08	**Acot5**	acyl-CoA thioesterase 5
A_55_P2087391	0.001321	2.08		
A_55_P2002068	6.21E-05	2.08		
A_52_P447424	3.35E-06	2.08		
A_55_P2107711	0.000473	2.08	**Col25a1**	collagen, type XXV, alpha 1
A_52_P387124	0.000102	2.08	**Zfp324**	zinc finger protein 324
A_55_P2086079	3.07E-06	2.08		
A_55_P2006210	0.000815	2.08	**Fgf22**	fibroblast growth factor 22
A_55_P1993517	3.66E-06	2.08	**Tbc1d14**	TBC1 domain family, member 14
A_55_P2108271	9.16E-05	2.07	**Ephb6**	Eph receptor B6
A_30_P01027907	0.000214	2.07		
A_55_P2006975	1.29E-06	2.07		
A_55_P2185085	5.68E-05	2.07		
A_55_P2016166	0.001268	2.07	**Wfdc2**	WAP four-disulfide core domain 2
A_55_P2127699	0.000207	2.07	**Pira2**	paired-Ig-like receptor A2
A_30_P01029477	0.00056	2.07		
A_66_P133703	0.002538	2.07		
A_55_P2048975	6.63E-05	2.07		
A_66_P106238	0.000352	2.07	**Gm5106**	predicted gene 5106
A_55_P2016526	0.000245	2.07	**Lrrc49**	leucine rich repeat containing 49
A_52_P637730	1.30E-05	2.07	**Ubl4**	ubiquitin-like 4

A_52_P523480	5.89E-06	2.07	**Rfx1**	regulatory factor X, 1 (influences HLA class II expression)
A_30_P01020769	0.000652	2.07		
A_52_P385536	0.000432	2.07	**Ddx58**	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
A_30_P01022408	1.16E-05	2.07		
A_30_P01018752	0.000147	2.07		
A_55_P2030010	0.000608	2.07	**2700046G09Rik**	RIKEN cDNA 2700046G09 gene
A_55_P2122633	0.000335	2.07	**Airn**	antisense Igf2r RNA
A_51_P390715	0.000191	2.07	**Tgfb1**	transforming growth factor, beta 1
A_30_P01021243	5.23E-06	2.07		
A_52_P532029	0.000225	2.07	**Tbk1**	TANK-binding kinase 1
A_55_P2467415	6.87E-07	2.07	**B3galt6**	UDP-Gal:betaGal beta 1,3-galactosyltransferase, polypeptide 6
A_55_P2111825	2.88E-05	2.07	**1700001C02Rik**	RIKEN cDNA 1700001C02 gene
A_30_P01018273	3.96E-05	2.07		
A_30_P01023506	0.002944	2.07		
A_52_P418489	0.000974	2.07	**Tinagl1**	tubulointerstitial nephritis antigen-like 1
A_55_P2186332	0.000126	2.07		
A_55_P2055107	6.89E-09	2.07	**Agpat1**	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)
A_55_P2304507	0.000111	2.07	**Noxa1**	NADPH oxidase activator 1
A_55_P2090152	8.58E-05	2.07	**Vmn2r121**	vomeronasal 2, receptor 121
A_55_P1970949	1.92E-07	2.07		
A_55_P2329298	0.00207	2.07		
A_66_P134584	4.69E-06	2.07		
A_30_P01027971	6.47E-07	2.07		
A_51_P156243	2.82E-05	2.07	**Eps15**	epidermal growth factor receptor pathway substrate 15
A_66_P104118	2.97E-06	2.07		
A_55_P1983414	1.75E-05	2.07		
A_30_P01031794	7.19E-05	2.07		
A_55_P2129771	1.30E-05	2.07	**Prrt1**	proline-rich transmembrane protein 1
A_30_P01028492	7.83E-06	2.07		
A_51_P126835	7.00E-06	2.07	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_55_P2098757	6.17E-06	2.07		
A_55_P2050019	0.001113	2.07	**Scml2**	sex comb on midleg-like 2 (Drosophila)
A_55_P1997534	3.46E-05	2.07	**Gm4871**	predicted gene 4871
A_55_P1968250	0.000221	2.07	**Cyp2j13**	cytochrome P450, family 2, subfamily j, polypeptide 13
A_55_P2155814	0.002615	2.07		
A_55_P2346736	0.001194	2.07	**A430105D02Rik**	RIKEN cDNA A430105D02 gene
A_55_P1952877	2.37E-06	2.07	**Snrpf**	small nuclear ribonucleoprotein polypeptide F
A_55_P2092869	0.000216	2.07	**Anxa9**	annexin A9
A_51_P275642	4.96E-07	2.07		
A_30_P01026324	4.34E-07	2.07		
A_30_P01024283	1.56E-06	2.07		
A_55_P2063553	7.72E-06	2.07		
A_55_P2324654	0.001202	2.07		
A_55_P1974807	0.001388	2.07		
A_55_P2096535	1.39E-06	2.07	**Icmt**	isoprenylcysteine carboxyl methyltransferase
A_55_P2013188	1.82E-06	2.07	**Dnajb6**	DnaJ (Hsp40) homolog, subfamily B, member 6
A_55_P2130525	0.000841	2.07		
A_55_P1987605	0.005939	2.07	**Nav3**	neuron navigator 3
A_30_P01020144	0.000279	2.07		
A_66_P134968	1.63E-07	2.07	**Gm410**	predicted gene 410
A_51_P509997	7.88E-05	2.07	**Cox6a2**	cytochrome c oxidase, subunit VI a, polypeptide 2
A_30_P01032329	7.28E-06	2.07		
A_51_P114693	0.000243	2.07	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_55_P1967119	4.73E-06	2.07	**Trim39**	tripartite motif-containing 39
A_51_P390715	0.000769	2.07	**Tgfb1**	transforming growth factor, beta 1
A_55_P1994074	9.66E-08	2.07	**Mkl1**	MKL (megakaryoblastic leukemia)/myocardin-like 1
A_30_P01030301	0.000126	2.07		
A_30_P01021288	0.000476	2.07		
A_55_P1960693	6.15E-06	2.07	**Gm11710**	predicted gene 11710
A_51_P114693	8.82E-05	2.07	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_51_P151820	1.85E-06	2.07	**Urb1**	URB1 ribosome biogenesis 1 homolog (S. cerevisiae)
A_55_P2288645	0.000998	2.07	**LOC497255**	hypothetical LOC497255
A_52_P642239	8.30E-07	2.07	**Pik3ap1**	phosphoinositide-3-kinase adaptor protein 1
A_55_P2172624	2.38E-05	2.07	**Gm1123**	predicted gene 1123
A_52_P451888	0.000208	2.07	**Tlk2**	tousled-like kinase 2 (Arabidopsis)
A_30_P01029485	1.40E-06	2.07		
A_30_P01023053	0.002275	2.07		
A_55_P2126444	1.67E-05	2.07	**1810032O08Rik**	RIKEN cDNA 1810032O08 gene
A_55_P2110998	0.000618	2.07	**Gpr153**	G protein-coupled receptor 153
A_55_P2103334	1.73E-05	2.07		
A_51_P242201	0.001015	2.07	**Naaa**	N-acylethanolamine acid amidase
A_55_P1956863	0.002026	2.07	**Egfr**	epidermal growth factor receptor
A_51_P237754	5.02E-07	2.07	**H2-T23**	histocompatibility 2, T region locus 23
A_30_P01028587	3.46E-05	2.07		
A_55_P1957219	1.50E-08	2.07	**Ptma**	prothymosin alpha
A_52_P144297	0.001858	2.07	**Tspyl3**	TSPY-like 3
A_52_P261496	0.001664	2.07	**Gabpb1**	GA repeat binding protein, beta 1
A_30_P01027358	0.000221	2.06		
A_51_P101137	1.33E-05	2.06	**Samd14**	sterile alpha motif domain containing 14
A_51_P378210	4.02E-05	2.06	**Guca2a**	guanylate cyclase activator 2a (guanylin)
A_55_P2073699	4.53E-05	2.06	**Bnip3l**	BCL2/adenovirus E1B interacting protein 3-like
A_55_P2185794	2.66E-05	2.06	**Sirt6**	sirtuin 6 (silent mating type information regulation 2, homolog) 6 (S. cerevisiae)
A_30_P01023057	0.000104	2.06		
A_51_P461884	9.66E-07	2.06	**Abl2**	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)
A_30_P01020417	3.11E-05	2.06		
A_55_P2079787	0.000362	2.06	**Prss50**	protease, serine, 50
A_55_P2026894	1.67E-06	2.06		
A_55_P2037121	0.000316	2.06	**Tmem106a**	transmembrane protein 106A
A_30_P01033567	0.000299	2.06		
A_30_P01018087	1.92E-05	2.06		
A_55_P2093286	4.99E-06	2.06	**Apod**	apolipoprotein D
A_30_P01023023	0.000117	2.06		
A_52_P474636	9.03E-07	2.06	**Stk4**	serine/threonine kinase 4
A_55_P2098061	1.70E-06	2.06	**Tchp**	trichoplein, keratin filament binding
A_30_P01029133	0.001353	2.06		

A_51_P353232	4.23E-06	2.06	**Tnnc2**	troponin C2, fast
A_55_P1961335	0.000478	2.06	**Ctsk**	cathepsin K
A_55_P2124153	0.000203	2.06	**Rusc2**	RUN and SH3 domain containing 2
A_55_P2032302	0.006021	2.06	**B230307C23Rik**	RIKEN cDNA B230307C23 gene
A_55_P2002732	7.94E-05	2.06	**Inpp4a**	inositol polyphosphate-4-phosphatase, type I
A_52_P449417	5.00E-06	2.06	**Vangl1**	vang-like 1 (van gogh, Drosophila)
A_30_P01028839	0.000103	2.06		
A_55_P2158006	6.30E-05	2.06		
A_55_P1955422	9.76E-06	2.06	**Gm1715**	predicted gene 1715
A_52_P56751	9.55E-05	2.06	**Lcp1**	lymphocyte cytosolic protein 1
A_52_P625880	1.85E-06	2.06		
A_55_P2007630	0.000142	2.06	**Sez6l2**	seizure related 6 homolog like 2
A_55_P2129523	0.000226	2.06	**Gm9519**	predicted gene 9519
A_52_P192426	1.19E-05	2.06	**Tnfrsf1a**	tumor necrosis factor receptor superfamily, member 1a
A_30_P01018080	0.000222	2.06		
A_52_P576180	0.002186	2.06	**BC048671**	cDNA sequence BC048671
A_55_P2133410	0.000112	2.06		
A_55_P2332761	4.15E-07	2.06		
A_30_P01021702	5.90E-05	2.06		
A_55_P2126557	2.08E-06	2.06		
A_51_P297968	1.67E-05	2.06	**Pdia6**	protein disulfide isomerase associated 6
A_55_P2195202	0.002247	2.06	**1700016K05Rik**	RIKEN cDNA 1700016K05 gene
A_51_P473272	4.49E-05	2.06	**Tspan6**	tetraspanin 6
A_55_P2182716	5.11E-05	2.06	**Adig**	adipogenin
A_51_P115159	2.03E-06	2.06	**Fam162a**	family with sequence similarity 162, member A
A_51_P357433	1.99E-06	2.06	**Ap1g2**	adaptor protein complex AP-1, gamma 2 subunit
A_55_P2173506	6.06E-05	2.06		
A_30_P01019577	1.37E-05	2.06		
A_51_P154753	6.54E-05	2.06	**Klc3**	kinesin light chain 3
A_51_P148744	0.000114	2.06	**A930005I04Rik**	RIKEN cDNA A930005I04 gene
A_51_P389664	5.45E-08	2.06	**Scrt2**	scratch homolog 2, zinc finger protein (Drosophila)
A_51_P104939	0.000666	2.06	**Klra5**	killer cell lectin-like receptor, subfamily A, member 5
A_30_P01030159	3.18E-07	2.06		
A_30_P01027015	5.33E-08	2.06		
A_30_P01018537	1.09E-06	2.06		
A_55_P2027067	8.42E-07	2.06	**Phc2**	polyhomeotic-like 2 (Drosophila)
A_55_P2168588	1.82E-06	2.06	**Cdk9**	cyclin-dependent kinase 9 (CDC2-related kinase)
A_55_P1969511	1.97E-05	2.06	**Ttc23l**	tetratricopeptide repeat domain 23-like
A_55_P2052769	3.88E-06	2.06	**Mast2**	microtubule associated serine/threonine kinase 2
A_30_P01019206	1.73E-07	2.06		
A_55_P2107447	3.28E-05	2.06	**Rab37**	RAB37, member of RAS oncogene family
A_51_P103650	5.49E-07	2.06	**Trim8**	tripartite motif-containing 8
A_51_P114693	0.000819	2.06	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_30_P01032591	3.58E-05	2.06		
A_55_P2025518	6.09E-07	2.06	**Arhgap6**	Rho GTPase activating protein 6
A_30_P01030734	3.58E-05	2.06		
A_55_P2166326	9.74E-05	2.06		
A_51_P319453	0.001116	2.06	**Zfp143**	zinc finger protein 143
A_66_P122219	1.92E-07	2.06	**Kcnd3**	potassium voltage-gated channel, Shal-related family, member 3
A_30_P01018695	0.000629	2.06		
A_30_P01022727	7.76E-08	2.06		
A_30_P01021478	0.000628	2.05		
A_55_P1984347	0.000141	2.05	**Rhox3h**	reproductive homeobox 3H
A_51_P114693	3.23E-06	2.05	**Parm1**	prostate androgen-regulated mucin-like protein 1
A_55_P2047106	9.72E-08	2.05	**Rell2**	RELT-like 2
A_51_P115626	0.004822	2.05	**Shank3**	SH3/ankyrin domain gene 3
A_52_P192426	3.58E-06	2.05	**Tnfrsf1a**	tumor necrosis factor receptor superfamily, member 1a
A_30_P01025304	9.13E-07	2.05		
A_51_P420176	5.38E-07	2.05	**Senp5**	SUMO/sentrin specific peptidase 5
A_51_P338397	5.62E-07	2.05	**Kctd10**	potassium channel tetramerisation domain containing 10
A_55_P2071271	1.40E-07	2.05	**3110003A17Rik**	RIKEN cDNA 3110003A17 gene
A_51_P115626	0.003411	2.05	**Shank3**	SH3/ankyrin domain gene 3
A_55_P2137001	0.000402	2.05	**Hhipl1**	hedgehog interacting protein-like 1
A_55_P2075274	0.001279	2.05	**Rab11fip4**	RAB11 family interacting protein 4 (class II)
A_55_P2068356	1.13E-06	2.05	**1700016K19Rik**	RIKEN cDNA 1700016K19 gene
A_55_P2229645	3.07E-08	2.05	**C77847**	expressed sequence C77847
A_30_P01022900	0.00276	2.05		
A_30_P01032302	1.65E-07	2.05		
A_30_P01022383	0.000156	2.05		
A_55_P2156350	3.64E-06	2.05	**Clcn5**	chloride channel 5
A_51_P169693	1.55E-05	2.05	**Bst2**	bone marrow stromal cell antigen 2
A_55_P2107775	8.28E-05	2.05	**Apol9a**	apolipoprotein L 9a
A_30_P01025374	0.000244	2.05		
A_30_P01031826	5.79E-06	2.05		
A_55_P1978576	3.71E-06	2.05	**Dtx2**	deltex 2 homolog (Drosophila)
A_30_P01024413	8.25E-06	2.05		
A_30_P01027269	2.36E-06	2.05		
A_51_P225179	2.75E-05	2.05	**Smndc1**	survival motor neuron domain containing 1
A_55_P2104703	1.92E-05	2.05	**Gm3020**	predicted gene 3020
A_66_P122063	1.99E-05	2.05		
A_30_P01024665	8.46E-05	2.05		
A_55_P2144341	0.000463	2.05	**BC033916**	cDNA sequence BC033916
A_30_P01023851	5.08E-05	2.05		
A_51_P520384	1.35E-06	2.05	**Atp1b3**	ATPase, Na+/K+ transporting, beta 3 polypeptide
A_55_P2087087	0.000976	2.05	**Pecam1**	platelet/endothelial cell adhesion molecule 1
A_51_P124719	1.33E-08	2.05	**Ccdc93**	coiled-coil domain containing 93
A_30_P01028793	0.000332	2.05		
A_55_P2151082	6.66E-08	2.05	**Gm6323**	predicted gene 6323
A_30_P01027193	0.001583	2.05		
A_30_P01027736	3.15E-05	2.05		
A_55_P1988388	1.84E-05	2.05	**Gm2347**	predicted gene 2347
A_30_P01029977	6.23E-09	2.05		
A_51_P151020	4.19E-06	2.05	**Tnp1**	transition protein 1
A_55_P2169188	3.56E-06	2.05	**Ccdc23**	coiled-coil domain containing 23
A_30_P01032619	7.33E-07	2.05		

A_30_P01023516	7.28E-06	2.05		
A_55_P2001223	0.000123	2.05	**Mpz**	myelin protein zero
A_51_P252784	1.01E-07	2.05	**1500011H22Rik**	RIKEN cDNA 1500011H22 gene
A_30_P01025618	6.97E-06	2.05		
A_30_P01031174	2.49E-05	2.04		
A_55_P2301713	0.00019	2.04	**9430062P05Rik**	RIKEN cDNA 9430062P05 gene
A_55_P2059019	0.000135	2.04	**Mapk8ip3**	mitogen-activated protein kinase 8 interacting protein 3
A_52_P67212	0.000743	2.04	**2900052N01Rik**	RIKEN cDNA 2900052N01 gene
A_51_P421303	1.69E-06	2.04	**Caly**	calcyon neuron-specific vesicular protein
A_66_P114589	7.13E-08	2.04	**4930597O21Rik**	RIKEN cDNA 4930597O21 gene
A_55_P2113683	0.000179	2.04	**Raph1**	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
A_30_P01019719	0.00355	2.04		
A_30_P01027966	0.000232	2.04		
A_55_P1982818	0.000165	2.04	**Odc1**	ornithine decarboxylase, structural 1
A_55_P2262081	8.98E-06	2.04	**4930563F15Rik**	RIKEN cDNA 4930563F15 gene
A_55_P2178247	0.000177	2.04	**Fam20b**	family with sequence similarity 20, member B
A_55_P2048603	0.004307	2.04		
A_55_P2117764	8.37E-05	2.04	**Vangl2**	vang-like 2 (van gogh, Drosophila)
A_55_P1996674	1.98E-05	2.04	**Itih3**	inter-alpha trypsin inhibitor, heavy chain 3
A_55_P1988043	1.71E-05	2.04		
A_55_P2022419	0.001288	2.04	**D030018L15Rik**	nuclear receptor coactivator 2 pseudogene
A_55_P2058189	0.000902	2.04	**Slc35e3**	solute carrier family 35, member E3
A_51_P328932	1.40E-07	2.04	**Tmem165**	transmembrane protein 165
A_30_P01020965	4.42E-05	2.04		
A_55_P2116235	2.63E-05	2.04		
A_30_P01024139	2.20E-06	2.04		
A_51_P103650	6.55E-09	2.04	**Trim8**	tripartite motif-containing 8
A_30_P01021223	0.001384	2.04		
A_51_P243914	2.23E-06	2.04	**Skap2**	src family associated phosphoprotein 2
A_55_P1978651	0.000969	2.04	**Wasf3**	WAS protein family, member 3
A_55_P1978628	1.05E-07	2.04	**Hnrnpa2b1**	heterogeneous nuclear ribonucleoprotein A2/B1
A_55_P2168599	5.17E-08	2.04		
A_51_P365318	0.001983	2.04	**Pcf11**	cleavage and polyadenylation factor subunit homolog (S. cerevisiae)
A_30_P01024195	0.001161	2.04		
A_55_P2098603	0.004755	2.04		
A_55_P2340885	8.75E-05	2.04	**C630001G18Rik**	RIKEN cDNA C630001G18 gene
A_55_P2093232	0.00017	2.04	**Myh7**	myosin, heavy polypeptide 7, cardiac muscle, beta
A_55_P1953053	1.59E-06	2.04		
A_55_P2114110	8.38E-06	2.04	**Cadm4**	cell adhesion molecule 4
A_30_P01030078	0.003602	2.04		
A_30_P01025573	0.0002	2.04		
A_51_P468020	0.00026	2.04	**Lrrc50**	leucine rich repeat containing 50
A_52_P262118	0.000601	2.04	**Prdm15**	PR domain containing 15
A_51_P346453	4.74E-08	2.04	**Noc4l**	nucleolar complex associated 4 homolog (S. cerevisiae)
A_55_P2186395	0.000375	2.04	**Gm6340**	predicted pseudogene 6340
A_30_P01029880	1.07E-05	2.04		
A_30_P01017553	7.37E-08	2.04		
A_55_P2054857	0.000269	2.04	**Ube2v2**	ubiquitin-conjugating enzyme E2 variant 2
A_66_P128128	0.003436	2.04		
A_51_P491426	0.001297	2.04	**Cst13**	cystatin 13
A_55_P2138500	0.000188	2.04		
A_55_P2269254	3.28E-05	2.04	**5730419F03Rik**	RIKEN cDNA 5730419F03 gene
A_55_P2011380	0.001083	2.04	**Acvrl1**	activin A receptor, type II-like 1
A_55_P2014326	2.88E-05	2.04	**LOC100045736**	hypothetical protein LOC100045736
A_51_P502082	0.000124	2.04	**Rrm1**	ribonucleotide reductase M1
A_55_P2097616	0.000669	2.04	**Stxbp1**	syntaxin binding protein 1
A_51_P358122	0.001584	2.04	**Olfr332**	olfactory receptor 332
A_30_P01032030	0.000226	2.04		
A_30_P01022676	3.17E-06	2.04		
A_55_P2011981	8.32E-06	2.04	**Ebf4**	early B-cell factor 4
A_55_P2000728	1.23E-05	2.04	**Myef2**	myelin basic protein expression factor 2, repressor
A_55_P2143934	8.48E-07	2.04	**Gm9785**	BMI1-like
A_55_P1983468	5.60E-06	2.04	**Cflar**	CASP8 and FADD-like apoptosis regulator
A_55_P2064771	0.001074	2.04	**Ly6c1**	lymphocyte antigen 6 complex, locus C1
A_51_P288026	6.71E-07	2.04	**Haus6**	HAUS augmin-like complex, subunit 6
A_30_P01029746	4.25E-05	2.04		
A_55_P2165234	6.38E-05	2.03	**2300005B03Rik**	RIKEN cDNA 2300005B03 gene
A_55_P2173825	2.13E-06	2.03	**Tox2**	TOX high mobility group box family member 2
A_55_P2133716	2.48E-06	2.03	**Tax1bp3**	Tax1 (human T-cell leukemia virus type I) binding protein 3
A_52_P232314	1.61E-06	2.03		
A_30_P01027959	0.00071	2.03		
A_55_P2082529	0.000175	2.03	**Sav1**	salvador homolog 1 (Drosophila)
A_55_P2000553	2.05E-05	2.03	**Slc6a8**	solute carrier family 6 (neurotransmitter transporter, creatine), member 8
A_55_P2273439	0.000292	2.03	**Nlrp3**	NLR family, pyrin domain containing 3
A_51_P115159	2.87E-07	2.03	**Fam162a**	family with sequence similarity 162, member A
A_55_P2048348	5.21E-06	2.03	**Aig1**	androgen-induced 1
A_52_P437850	0.000209	2.03	**Fam13c**	family with sequence similarity 13, member C
A_30_P01019149	7.69E-05	2.03		
A_66_P112005	2.85E-06	2.03	**Olfr1252**	olfactory receptor 1252
A_30_P01029881	4.28E-07	2.03		
A_30_P01032522	0.000418	2.03		
A_30_P01017842	0.00655	2.03		
A_30_P01030882	3.44E-05	2.03		
A_51_P129546	2.98E-07	2.03	**Sstr4**	somatostatin receptor 4
A_30_P01021330	0.000226	2.03		
A_55_P2044413	2.18E-05	2.03	**Cxcl11**	chemokine (C-X-C motif) ligand 11
A_66_P108138	0.001663	2.03	**Impact**	imprinted and ancient
A_55_P2013357	1.18E-05	2.03	**Renbp**	renin binding protein
A_51_P126835	2.41E-06	2.03	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_55_P2122260	0.001184	2.03	**Tmem87b**	transmembrane protein 87B
A_30_P01018234	1.56E-07	2.03		
A_52_P529650	0.001444	2.03	**Drd2**	dopamine receptor D2
A_55_P2173623	1.28E-05	2.03	**Samd1**	sterile alpha motif domain containing 1
A_55_P2157401	1.81E-05	2.03		
A_55_P2071863	8.52E-05	2.03	**Zfp788**	zinc finger protein 788

A_30_P01026719	3.04E-06	2.03		
A_55_P2043459	8.71E-07	2.03		
A_30_P01020403	1.55E-06	2.03		
A_30_P01025405	0.00084	2.03		
A_51_P340747	0.003118	2.03	**Hspa1l**	heat shock protein 1-like
A_55_P2145759	0.002613	2.03	**Atp6v1g3**	ATPase, H+ transporting, lysosomal V1 subunit G3
A_55_P2052834	0.004643	2.03	**Lst1**	leukocyte specific transcript 1
A_55_P1955494	3.49E-08	2.03		
A_51_P286436	0.000771	2.03	**Olfr434**	olfactory receptor 434
A_55_P2092958	0.004748	2.03	**Traf2**	TNF receptor-associated factor 2
A_30_P01025143	0.002303	2.03		
A_51_P248387	0.001245	2.03	**Pcyox1l**	prenylcysteine oxidase 1 like
A_55_P2121426	4.42E-07	2.03		
A_30_P01029553	1.81E-05	2.03		
A_51_P399845	0.004206	2.03	**Fgf2**	fibroblast growth factor 2
A_55_P2078611	0.00187	2.03		
A_30_P01028095	2.14E-06	2.03		
A_55_P2015734	2.45E-06	2.03	**Syvn1**	synovial apoptosis inhibitor 1, synoviolin
A_30_P01018454	0.003547	2.03		
A_55_P2161140	0.000116	2.03	**Rgs6**	regulator of G-protein signaling 6
A_55_P2115310	3.58E-05	2.03	**Spata21**	spermatogenesis associated 21
A_55_P2015492	0.003251	2.03	**BC048609**	cDNA sequence BC048609
A_30_P01033118	0.00119	2.03		
A_55_P2081373	5.00E-05	2.03	**Glis1**	GLIS family zinc finger 1
A_66_P126603	1.05E-06	2.03		
A_51_P500718	8.08E-05	2.03	**Dck**	deoxycytidine kinase
A_52_P276935	4.38E-06	2.03	**Dnajb6**	DnaJ (Hsp40) homolog, subfamily B, member 6
A_51_P135939	0.000244	2.03	**Rnf219**	ring finger protein 219
A_55_P2163774	9.61E-05	2.03	**Crip1**	cysteine-rich protein 1 (intestinal)
A_30_P01021530	1.29E-06	2.03		
A_55_P2259660	0.000192	2.03	**E230032D23Rik**	RIKEN cDNA E230032D23 gene
A_52_P10041	4.56E-06	2.03	**Akr1b3**	aldo-keto reductase family 1, member B3 (aldose reductase)
A_51_P464576	1.42E-05	2.03	**Psen1**	presenilin 1
A_30_P01018845	3.12E-06	2.03		
A_51_P517051	0.000242	2.03	**Gatsl3**	GATS protein-like 3
A_55_P2013983	4.66E-05	2.03		
A_51_P419959	1.17E-07	2.03	**Eaf1**	ELL associated factor 1
A_55_P2182931	4.94E-05	2.02	**Sim2**	single-minded homolog 2 (Drosophila)
A_30_P01022824	0.000134	2.02		
A_55_P2139625	1.16E-06	2.02	**Gtf2a2**	general transcription factor II A, 2
A_55_P2114938	1.17E-06	2.02	**Irf9**	interferon regulatory factor 9
A_51_P382688	2.85E-07	2.02	**Zmynd19**	zinc finger, MYND domain containing 19
A_55_P2064862	0.005182	2.02	**Ica1**	islet cell autoantigen 1
A_51_P288906	1.05E-05	2.02	**Clip1**	CAP-GLY domain containing linker protein 1
A_55_P1988918	0.000165	2.02		
A_30_P01020184	1.11E-05	2.02		
A_55_P2183318	0.001307	2.02		
A_55_P2140612	3.72E-05	2.02	**Nhlh1**	nescient helix loop helix 1
A_51_P464576	7.57E-06	2.02	**Psen1**	presenilin 1
A_55_P2110086	0.000718	2.02		
A_30_P01021047	0.004609	2.02		
A_30_P01022770	7.20E-06	2.02		
A_55_P2156462	0.001547	2.02	**Nt5c3l**	5'-nucleotidase, cytosolic III-like
A_55_P1973560	0.000151	2.02		
A_55_P2047698	5.77E-07	2.02	**Pop7**	processing of precursor 7, ribonuclease P family, (S. cerevisiae)
A_30_P01028970	5.67E-05	2.02		
A_51_P128463	1.07E-05	2.02	**Grrp1**	glycine/arginine rich protein 1
A_52_P372165	3.43E-06	2.02	**Rpsa**	ribosomal protein SA
A_55_P2037141	2.95E-06	2.02	**Jsrp1**	junctional sarcoplasmic reticulum protein 1
A_55_P2127557	1.34E-07	2.02	**3110003A17Rik**	RIKEN cDNA 3110003A17 gene
A_55_P2045213	4.94E-06	2.02	**Defa-rs12**	defensin, alpha, related sequence 12
A_51_P255387	2.35E-06	2.02	**Med31**	mediator of RNA polymerase II transcription, subunit 31 homolog (yeast)
A_30_P01024367	0.001245	2.02		
A_51_P103650	2.46E-08	2.02	**Trim8**	tripartite motif-containing 8
A_55_P1975210	1.54E-06	2.02	**Fubp3**	far upstream element (FUSE) binding protein 3
A_30_P01019006	0.001751	2.02		
A_55_P1981366	0.000105	2.02	**Lamc2**	laminin, gamma 2
A_55_P2164297	1.98E-06	2.02	**Rnps1**	ribonucleic acid binding protein S1
A_55_P2355041	0.000361	2.02	**BB217526**	expressed sequence BB217526
A_30_P01027844	9.20E-06	2.02		
A_55_P1996365	1.03E-07	2.02	**Ifna14**	interferon, alpha 14
A_30_P01031722	0.002567	2.02		
A_55_P1991094	0.005158	2.02		
A_55_P2027212	1.15E-06	2.02	**Gm7303**	predicted gene 7303
A_30_P01017992	0.001407	2.02		
A_55_P2161858	2.43E-05	2.02	**Pdlim7**	PDZ and LIM domain 7
A_30_P01029197	2.70E-05	2.02		
A_55_P2058757	8.22E-07	2.02	**Cap1**	CAP, adenylate cyclase-associated protein 1 (yeast)
A_66_P115734	4.76E-05	2.02	**Fbxo16**	F-box protein 16
A_55_P2238406	0.001596	2.02	**6330407A03Rik**	RIKEN cDNA 6330407A03 gene
A_55_P1975275	0.00239	2.02	**Crygc**	crystallin, gamma C
A_55_P2029116	0.000716	2.02	**Pex11c**	peroxisomal biogenesis factor 11 gamma
A_55_P2058384	9.97E-07	2.02		
A_55_P2038646	0.001569	2.02		
A_55_P2277825	1.34E-08	2.02	**E430010N07Rik**	RIKEN cDNA E430010N07 gene
A_30_P01024850	0.002911	2.02		
A_30_P01021965	2.71E-06	2.02		
A_30_P01024043	0.002931	2.02		
A_52_P78123	1.17E-05	2.02	**Dcaf12**	DDB1 and CUL4 associated factor 12
A_55_P1985428	6.80E-05	2.02	**Atg16l2**	autophagy related 16 like 2 (S. cerevisiae)
A_51_P126835	9.15E-06	2.02	**2700007P21Rik**	RIKEN cDNA 2700007P21 gene
A_30_P01025039	0.00344	2.02		
A_30_P01033429	4.00E-07	2.02		
A_30_P01018471	1.04E-05	2.02		
A_30_P01023935	0.000222	2.02		

A_51_P427934	5.99E-06	2.02	**Megf8**	multiple EGF-like-domains 8
A_55_P1989748	2.70E-07	2.02		
A_55_P2057877	2.30E-05	2.02	**Pou2f2**	POU domain, class 2, transcription factor 2
A_55_P2091846	0.001026	2.02	**Zcchc11**	zinc finger, CCHC domain containing 11
A_55_P2038852	2.18E-05	2.02		
A_30_P01021027	0.000169	2.02		
A_55_P2162988	0.001096	2.02	**Tmem179**	transmembrane protein 179
A_55_P2040588	0.000945	2.02	**Pabpc5**	poly(A) binding protein, cytoplasmic 5
A_51_P172131	0.000283	2.02	**D4Bwg0951e**	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed
A_51_P481238	0.001069	2.02	**Dopey2**	dopey family member 2
A_30_P01020671	0.000757	2.02		
A_30_P01022264	6.17E-06	2.02		
A_52_P572045	0.000192	2.02	**Pfkp**	phosphofructokinase, platelet
A_52_P532456	0.001567	2.02	**Plagl1**	pleiomorphic adenoma gene-like 1
A_51_P440892	1.31E-06	2.02	**Dph2**	DPH2 homolog (S. cerevisiae)
A_30_P01021037	4.88E-06	2.02		
A_51_P477019	0.000189	2.01	**Rnaset2a**	ribonuclease T2A
A_55_P2366273	0.000191	2.01	**Amn1**	antagonist of mitotic exit network 1 homolog (S. cerevisiae)
A_30_P01025449	0.000669	2.01		
A_30_P01030390	9.42E-05	2.01		
A_55_P2012824	2.14E-05	2.01		
A_30_P01023418	0.000563	2.01		
A_55_P2014531	8.85E-07	2.01	**Hes7**	hairy and enhancer of split 7 (Drosophila)
A_51_P168632	0.000434	2.01	**Prim1**	DNA primase, p49 subunit
A_30_P01020112	8.41E-07	2.01		
A_66_P106593	3.09E-06	2.01	**Vhl**	von Hippel-Lindau tumor suppressor
A_52_P609200	1.40E-05	2.01	**Serinc3**	serine incorporator 3
A_30_P01023697	0.004748	2.01		
A_55_P1999182	0.00033	2.01	**Cdk12**	cyclin-dependent kinase 12
A_30_P01024908	0.000157	2.01		
A_52_P638319	1.57E-06	2.01		
A_55_P2021841	1.72E-07	2.01	**Calm3**	calmodulin 3
A_30_P01024131	0.000158	2.01		
A_52_P192426	6.97E-06	2.01	**Tnfrsf1a**	tumor necrosis factor receptor superfamily, member 1a
A_55_P2018532	0.003783	2.01	**Mobkl2a**	MOB1, Mps One Binder kinase activator-like 2A (yeast)
A_30_P01017615	5.01E-05	2.01		
A_51_P120823	0.000446	2.01	**Olfr868**	olfactory receptor 868
A_55_P1963764	1.34E-07	2.01	**Sept1**	septin 1
A_30_P01018673	0.000137	2.01		
A_51_P189899	1.98E-05	2.01	**Olfr1134**	olfactory receptor 1134
A_30_P01024402	3.08E-06	2.01		
A_55_P2111033	1.23E-05	2.01	**Hat1**	histone aminotransferase 1
A_30_P01032546	3.72E-07	2.01		
A_30_P01026118	0.004794	2.01		
A_55_P2066778	0.000311	2.01	**AB124611**	cDNA sequence AB124611
A_51_P464576	1.89E-06	2.01	**Psen1**	presenilin 1
A_30_P01019302	7.57E-08	2.01		
A_52_P288873	1.30E-06	2.01	**Chmp4b**	chromatin modifying protein 4B
A_55_P2024115	0.000114	2.01	**Gm10229**	predicted gene 10229
A_55_P1972648	0.000127	2.01	**Fam109b**	family with sequence similarity 109, member B
A_55_P2016426	1.43E-08	2.01	**Nova2**	neuro-oncological ventral antigen 2
A_52_P603184	2.81E-05	2.01	**Sufu**	suppressor of fused homolog (Drosophila)
A_30_P01033403	0.000315	2.01		
A_51_P100997	0.001279	2.01	**Serpinb3c**	serine (or cysteine) peptidase inhibitor, clade B, member 3C
A_66_P109720	7.62E-05	2.01	**Hn1l**	hematological and neurological expressed 1-like
A_30_P01023401	6.35E-05	2.01		
A_55_P2004268	0.004776	2.01	**Hic1**	hypermethylated in cancer 1
A_55_P1987645	0.00061	2.01	**Unc13b**	unc-13 homolog B (C. elegans)
A_55_P1972481	9.67E-08	2.01		
A_51_P267239	1.82E-05	2.00	**Litaf**	LPS-induced TN factor
A_51_P186487	0.000372	2.00		
A_55_P2104425	0.003584	2.00	**Inadl**	InaD-like (Drosophila)
A_51_P124719	2.41E-07	2.00	**Ccdc93**	coiled-coil domain containing 93
A_55_P2055612	2.80E-05	2.00	**Zfp800**	zinc finger protein 800
A_55_P1953540	0.00056	2.00	**Orly**	oppositely-transcribed, rearranged locus on the Y
A_55_P2371301	4.36E-06	2.00	**4930413E15Rik**	RIKEN cDNA 4930413E15 gene
A_55_P1999289	1.85E-08	2.00	**Ovol2**	ovo-like 2 (Drosophila)
A_55_P2276221	0.000263	2.00	**Gm5222**	predicted gene 5222
A_55_P2133983	1.81E-05	2.00	**Gm436**	predicted gene 436
A_51_P286563	0.000507	2.00	**Gna13**	guanine nucleotide binding protein, alpha 13
A_55_P2161695	6.20E-06	2.00	**Kdelc1**	KDEL (Lys-Asp-Glu-Leu) containing 1
A_30_P01030302	0.000166	2.00		
A_66_P111049	1.23E-05	2.00	**Prlh**	prolactin releasing hormone
A_30_P01017837	2.44E-05	2.00		
A_30_P01026512	2.44E-07	2.00		
A_55_P2376547	0.000144	2.00		
A_51_P424518	0.000156	2.00	**Nin**	ninein
A_30_P01022450	0.003282	2.00		
A_30_P01023499	0.000408	2.00		
A_30_P01017630	5.51E-06	2.00		
A_55_P2165299	0.000414	2.00	**Mybpc1**	myosin binding protein C, slow-type
A_55_P2051384	5.58E-07	2.00	**Ccdc88c**	coiled-coil domain containing 88C
A_55_P2095854	4.64E-05	2.00	**Rab3c**	RAB3C, member RAS oncogene family
A_30_P01020149	1.00E-05	2.00		
A_55_P2125496	1.58E-05	2.00	**Gm10731**	predicted gene 10731
A_55_P2118153	0.002157	2.00	**1700014B07Rik**	RIKEN cDNA 1700014B07 gene
A_55_P2086398	0.000516	2.00		

Supporting Table 2. Antibody List.

First antibodies for immunostaining

Antibody	Product ID	Manufacturer	Clone
DP1	101640	Cayman Chemical	Polyclonal
Desmin	ab6322	Abcam	DE-U-10
F4/80	ab16911	Abcam	BM8
CD31	550274	BD Biosciences	MEC13.3
Vimentin	550513	BD Pharmingen	RV202
HPGDS	10004349	Cayman Chemical	7H4
Phospho-p65 (Ser536)	3033	CST (Cell Signaling Technology)	93H1
TNF-α	ab34674	Abcam	Polyclonal
CCL2	AAM43	AbD Serotec	Polyclonal
VCAM-1	ab27560	Abcam	MVCAM.A (429)
iNOS	ab15323	Abcam	Polyclonal
Tissue factor	ab151748	Abcam	EPR8986
Gr-1	ab2557	Abcam	NIMP-R14
CD3	ab16669	Abcam	SP7

Secondary antibodies for immunostaining

Antigen	Format	Product ID	Manufacturer
Rabbit IgG	Alexa Fuor 488	A-21206	Molecular Probes
Rabbit IgG	Alexa fluor 594	A-21207	Molecular Probes
Rat IgG	Alexa Fluor 488	A-21208	Molecular Probes
Rat IgG	Alexa Fluor 594	A-21209	Molecular Probes

First antibodies for Western Blot

Antibody	Product ID	Manufacturer	Clone
p65	sc-372	Santa Cruz	Polyclonal
IkBα	sc-371	Santa Cruz	Polyclonal
JNK	9252	CST	Polyclonal
pJNK	9251	CST	Polyclonal
p38	9212	CST	Polyclonal
pp38	9211	CST	Polyclonal
GAPDH	AM4300	Life Technologies	6C5
Lamin B	sc-6216	Santa Cruz	Polyclonal

Secondary antibodies for Western Blot

Antigen	Format	Product ID	Manufacturer
Rabbit IgG	HRP	NA934	GE Healthcare
Mouse IgG	HRP	NA931	GE Healthcare
Goat IgG	HRP	PI-9500	Vector Laboratories

Antibodies for flow cytometry

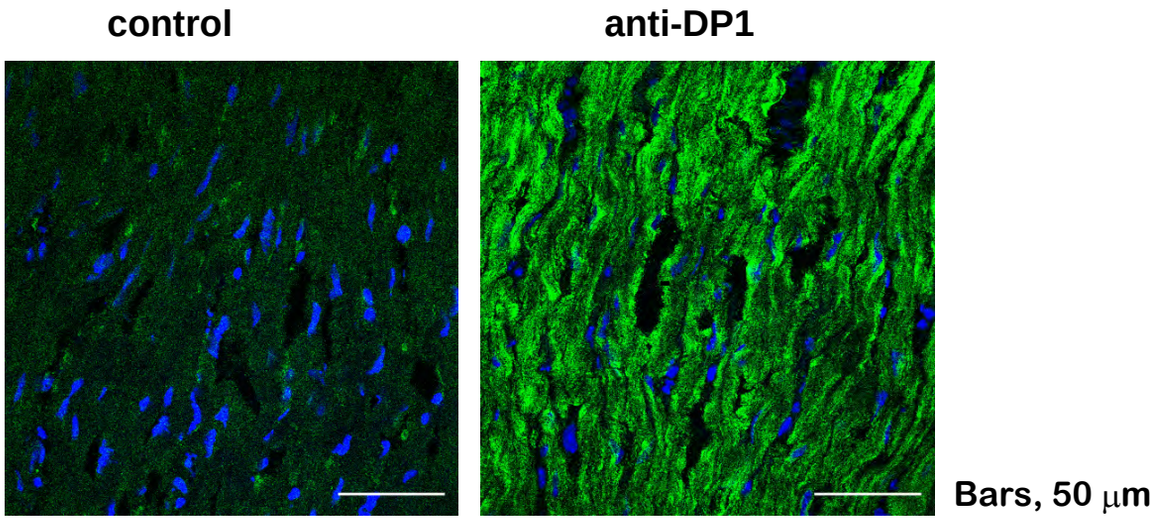
Antigen	Format	Product ID	Manufacturer	Clone
CD3e	PE-Cyanine 5	12-0031	eBioscience	145-2C11
Gr1	PE	12-5931	eBioscience	RB6-8C5

Supporting Table 3. Primers used for RT-PCR

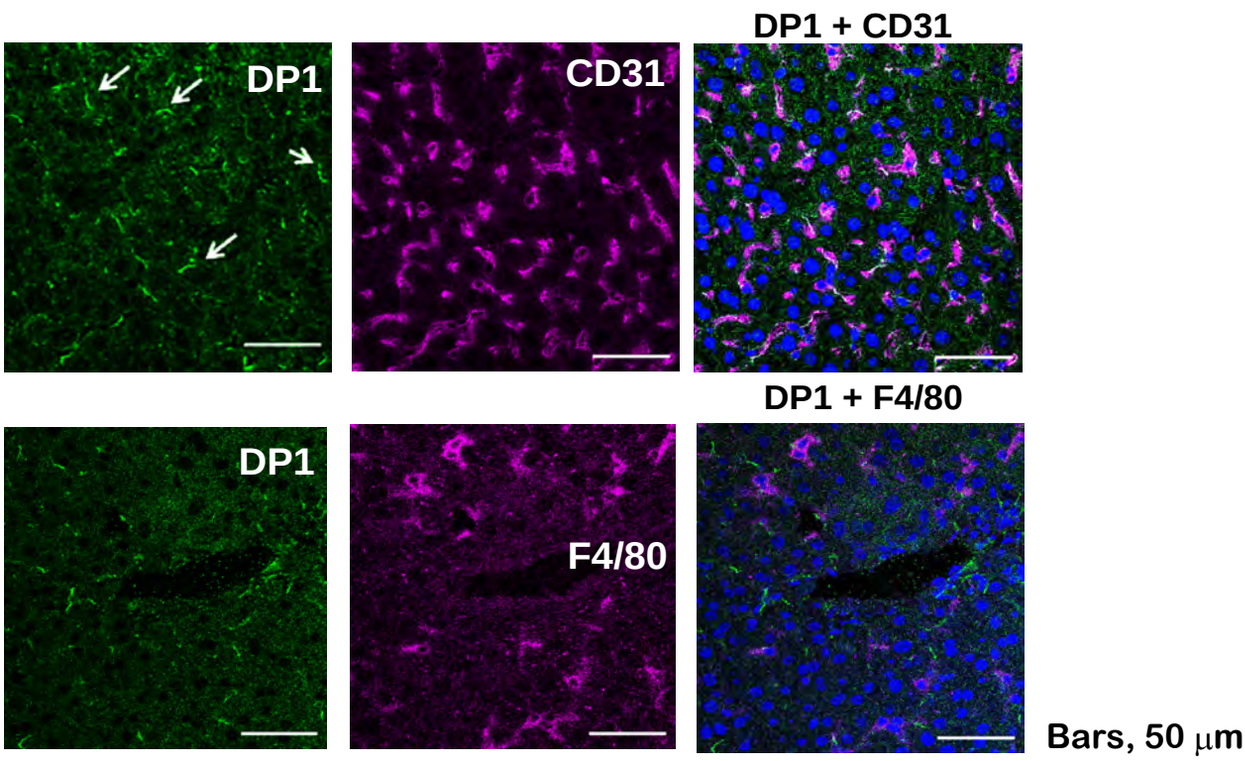
Gene symbol	Forward	Reverse
18S	gag gcc ctg taa ttg gaa tga g	gca gca act act tta ata tac gct att gg
Emr1 (F4/80)	gga gga ctt ctc caa gcc tat t	agg cct ctc aga ctt ctg ctt
Des (desmin)	gcg tga caa cct gat aga cg	tgg att tcc tcc tgt agt ttg g
Alb (Albumin)	tga ccc agt gtt gtg cag ag	ttc tcc ttc aca cca tca agc
Vwf	tgg tcc tga agc aca cat acc	gac ggg gtc ttc ctc cac
Ptgdr (DP1)	ccc agt cag gct cag act aca	gct cca tag tac gca cga taa at
Tnf	ccc tca cac tca gat cat ctt ct	gct acg acg tgg gct aca g
Ccl2	tta aaa acc tgg atc gga acc aa	gca tta gct tca gat tta cgg gt
Nos2	ggg ctg tca cgg aga tca	cca tga tgg tca cat tct gc
Edn1	tcc ttg atg gac aag gag tgt	ccc agt cca tac ggt acg a
F3 (tissue factor)	ttc tcc agg aaa act aac caa aa	cca caa tga gtg ttt ctc c
Vcam1	tct tac ctg tgc gct gtg ac	tta ctg gat ctt cag gga atg ag
Ccl7	ttc tgt gcc tgc tgc tca ta	ttg aca tag cag cat gtg gat
Ccl11	aga gct cca cag cgc ttc t	gca gga agt tgg gat gga
TNF (human)	cag cct ctt ctc ctt cct gat	gcc aga ggg ctg att aga ga
CCL2 (human)	agt ctc tgc cgc cct tct	gtg act ggg gca ttg att g
NFKBIA (human)	acc tgg tgt cac tcc tgt tga	ctg ctg ctg tat ccg ggt g
ACTA2 (human)	tca gct tcc ctg aac acc a	gga gct gct tca cag gat tc
VIM (human)	att cca ctt tgc gtt caa gg	ctt cag aga gag gaa gcc ga
PTGDR (human)	ttg ggc tct cct cga cac t	cca tct gga taa agc acc agg
EDN1 (human)	tct ctg ctg ttt gtg gct tg	gag ctc agc gcc taa gac tg

Supporting Figure 1.

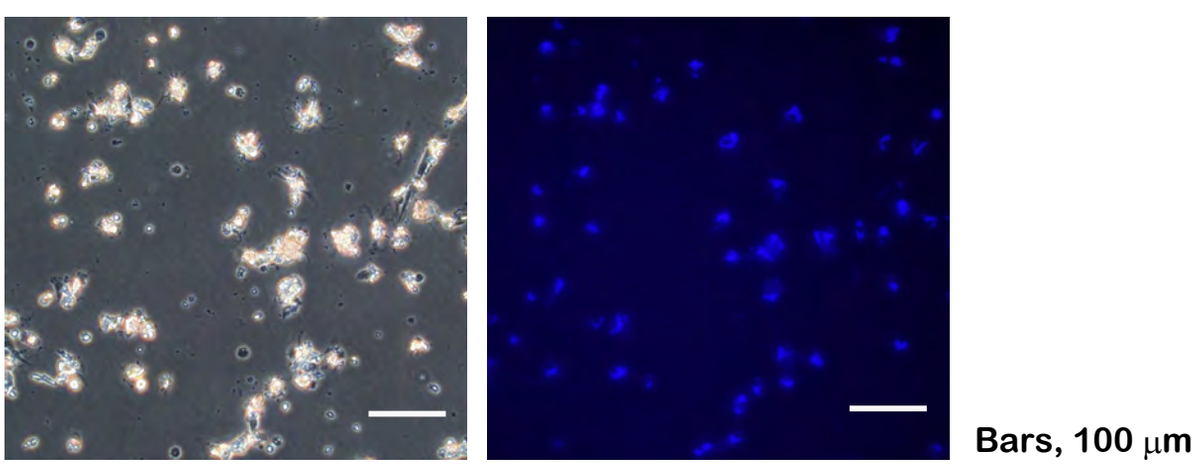
(A) DP1 immunostaining of mouse ileum.



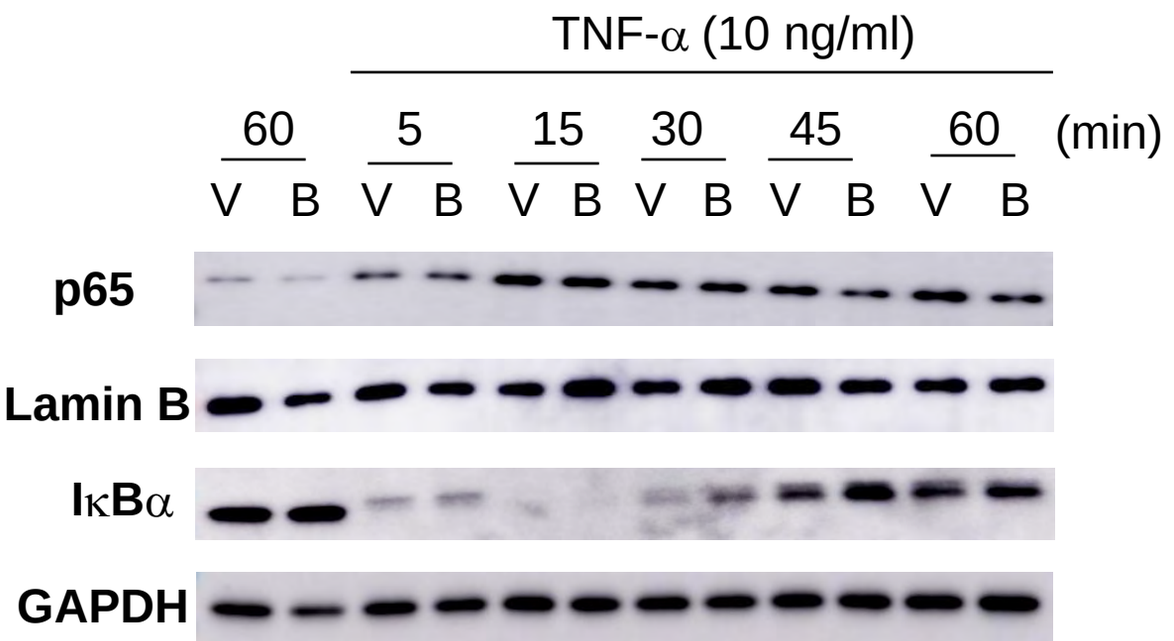
(B) Expression of DP1, CD31, and F4/80 in mouse liver.



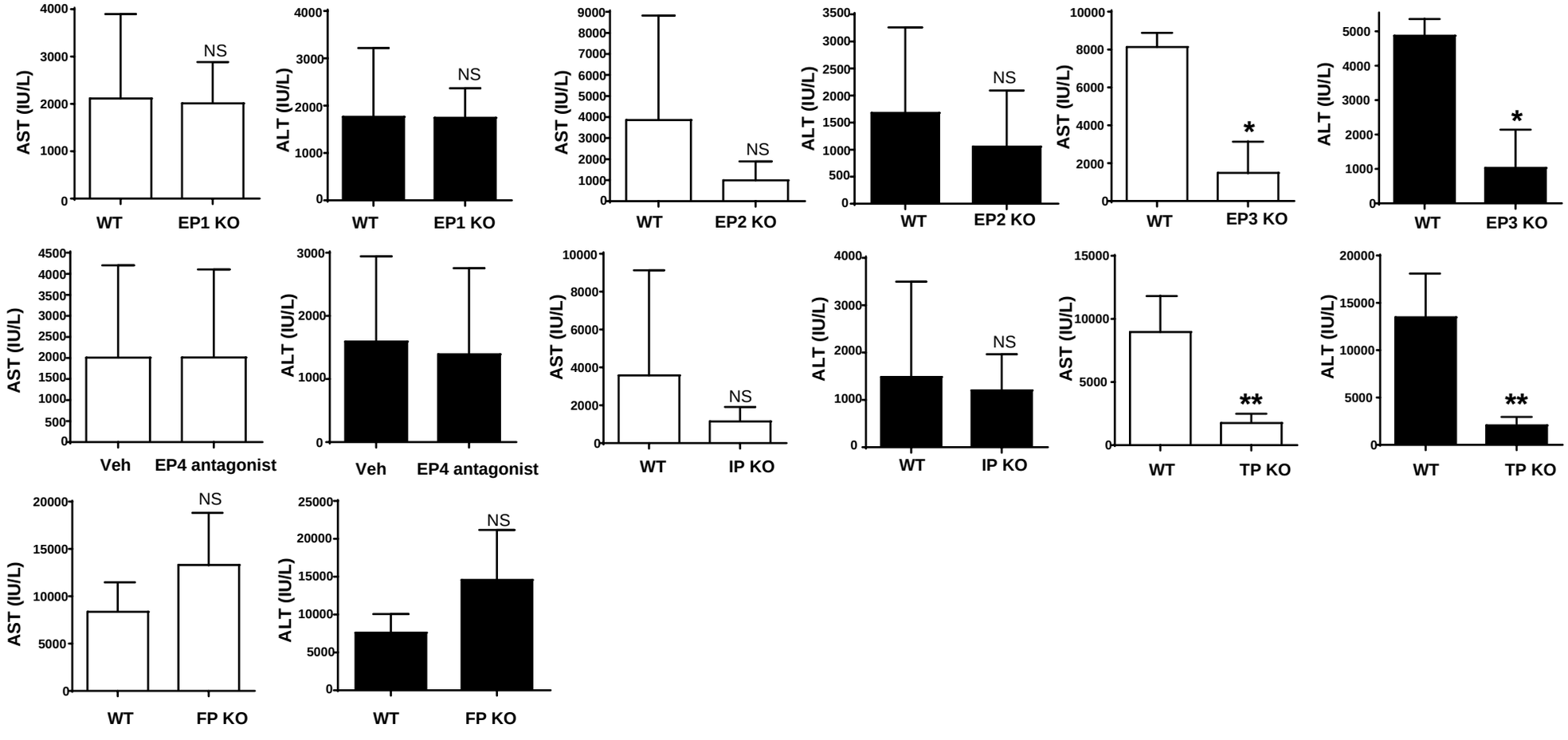
(C) Morphology and autofluorescence of isolated mouse HSCs



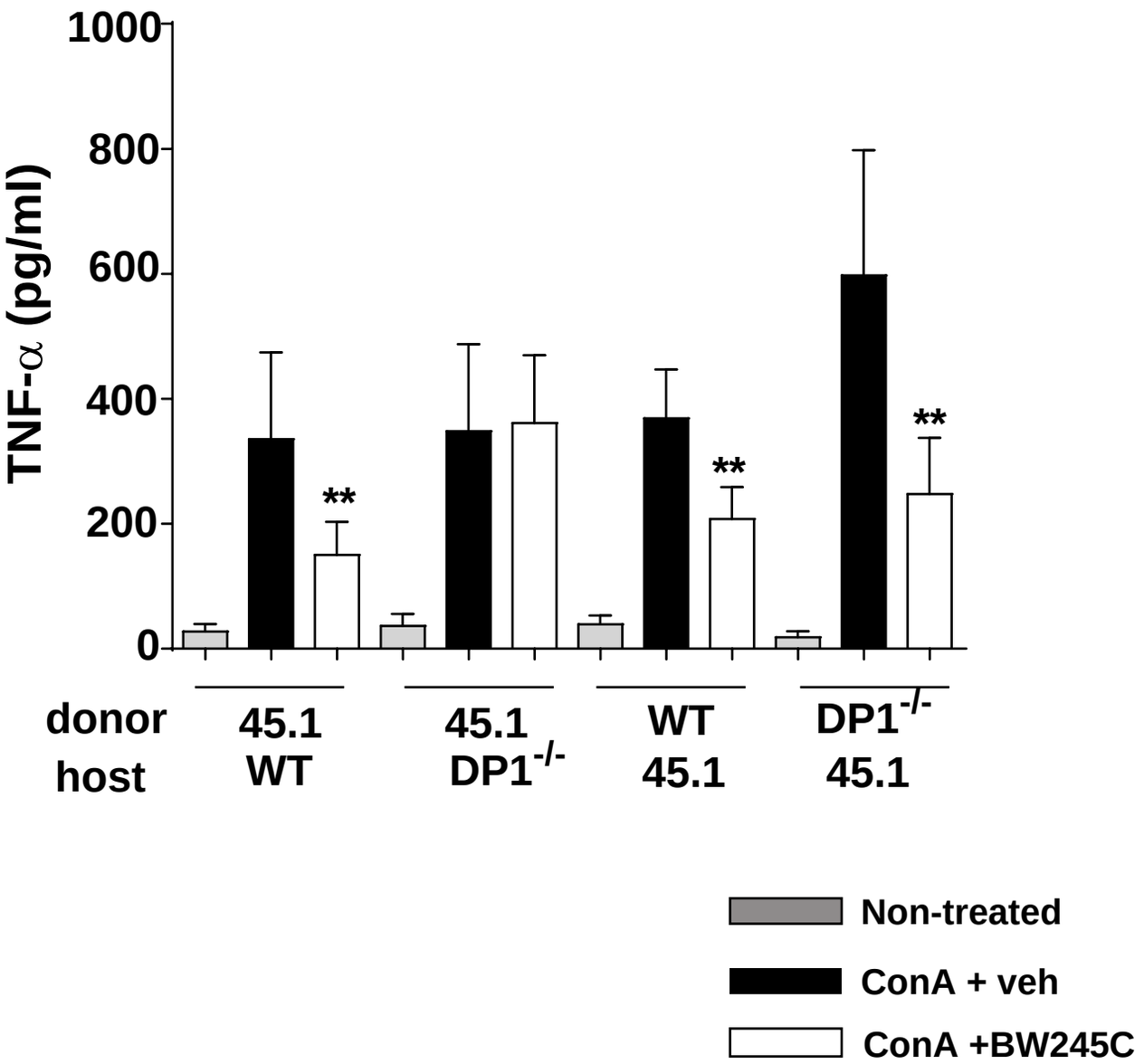
Supporting Figure 2. Time course of nuclear p65 and cytosolic IκBα proteins after stimulation of human HSCs with TNF-α and vehicle or BW245C.



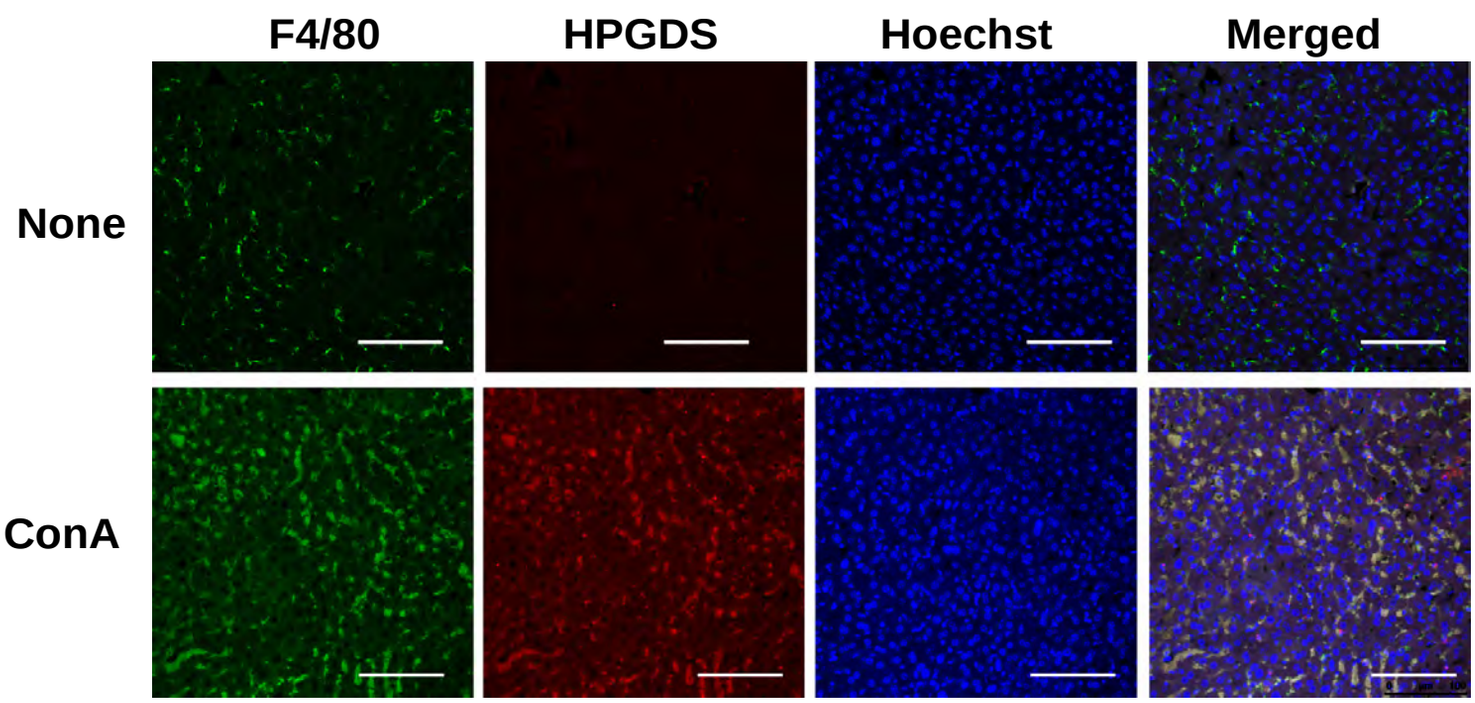
Supporting Figure 3. Serum AST and ALT levels of WT mice, prostanoid receptor-deficient mice, and mice treated with an EP4 antagonist subjected to ConA-induced hepatitis.



Supporting Figure 4. Effects of BW245C on serum TNF-α levels of bone marrow chimeras.

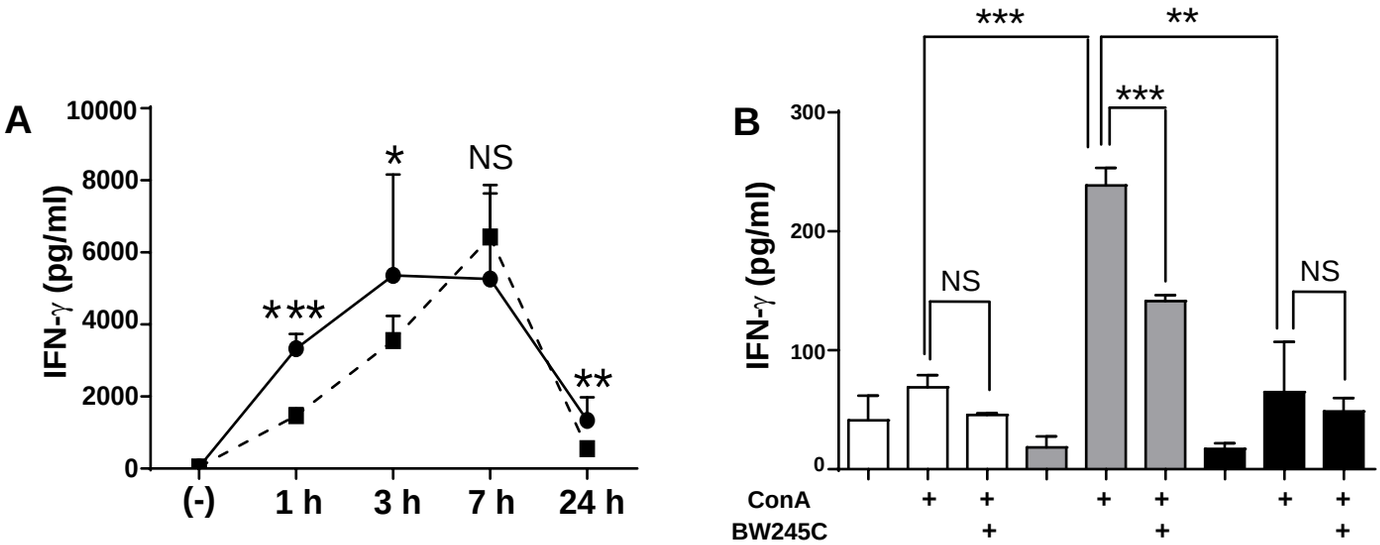


Supporting Figure 5. HPGDS immunostaining in mouse livers treated with ConA for 8 hours.

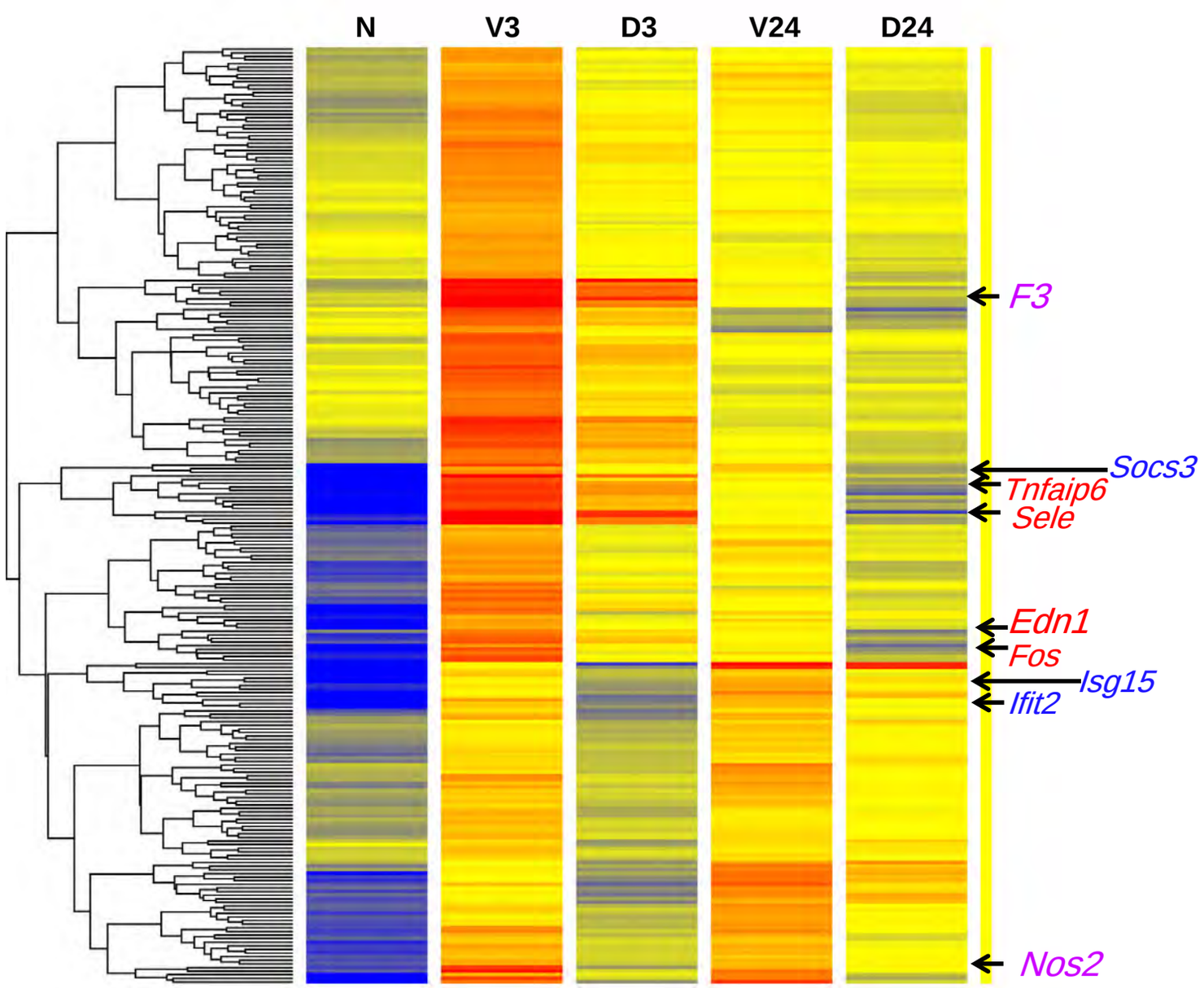


Bars, 100 μm

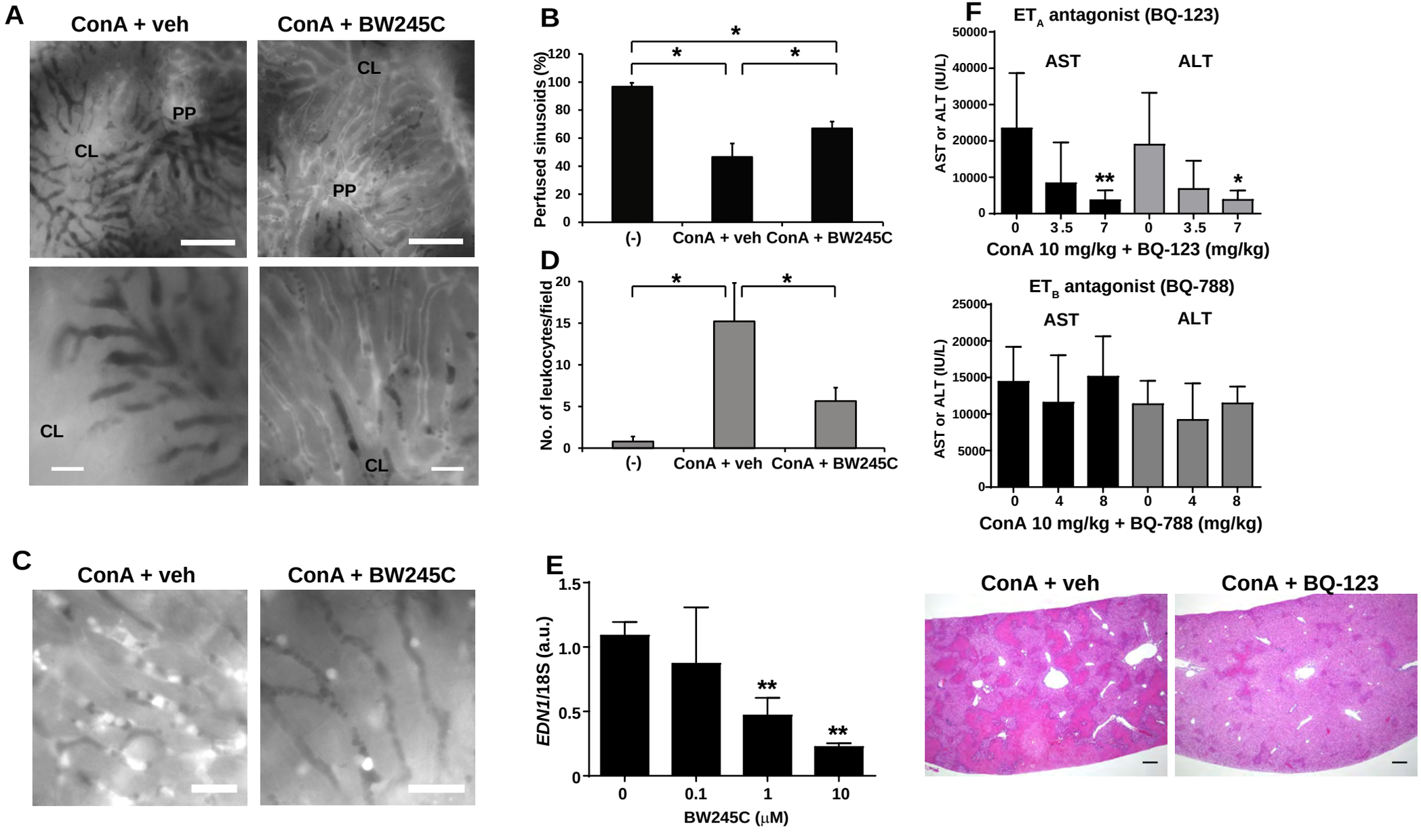
Supporting Figure 6. IFN-γ concentrations in sera of ConA - injected mice (A) and in vitro co-culture system (B).



Supporting Figure 7. Clustering analysis of genes that showed changes similar to that of *nos2* in response to ConA injection and BW245C treatment.



Supporting Figure 8. Sinusoidal congestion induced by ConA is ameliorated by BW245C.



Supporting Figure 9. Intracellular Ca^{2+} assay of human HSCs stimulated with endothelin-1 (EDN-1) in the presence of vehicle or BW245C.

