

MicroRNA-26b-5p Inhibits Mouse Liver Fibrogenesis and Angiogenesis by Targeting PDGF Receptor-Beta

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Here microRNAs (miRNAs) with potentially therapeutic effects were screened and explored during liver fibrogenesis and angiogenesis via targeting the important mediators. Chimera mice with EGFP⁺ bone marrow mesenchymal stromal cells (BMSCs) were fed with methionine-choline-deficient and high-fat (MCDHF) diet to induce liver injury. Increased expression of platelet-derived growth factor receptor-beta (PDGFR- β) was detected in MCDHF mice, with a positive correlation to fibrosis and angiogenesis markers. BMSCs contributed to the significant proportion of PDGFR- β ⁺ cells in the fibrotic liver. MicroRNA-26b-5p (miR-26b-5p) was predicted to target PDGFR- β from three databases. The hepatic expression of miR-26b-5p was decreased in the fibrotic liver, with a negative correlation to PDGFR- β and fibrosis and angiogenesis markers. miR-26b-5p directly targeted PDGFR- β in TGF- β 1-treated BMSCs by pull-down and lucifer reporter assays, which can be sponged by long non-coding RNA (lncRNA) maternally expressed gene 3 (lncMEG3). Microarray analysis revealed that miR-26b-5p overexpression affected a list of genes associated with fibrosis and angiogenesis. *In vivo* miR-26b-5p negatively regulated PDGFR- β expression and attenuated liver fibrosis and angiogenesis. Together, miR-26b-5p inhibits liver fibrogenesis and angiogenesis via directly targeting PDGFR- β and interacting with lncMEG3, which may represent an effective therapeutic strategy for liver fibrosis.

INTRODUCTION

MicroRNAs (miRNAs) are single-stranded, small (21- to 25-nt), non-coding RNAs that target mRNAs with complementary sequences, and they inhibit the expression of target genes at the post-transcriptional level.¹ The binding of miRNA in the form of the RNA-induced silencing complex with the 3' UTR of its target mRNA represses protein synthesis by translational inhibition and mRNA cleavage or decay. miRNAs are involved in a variety of physiological and pathological processes, and they are regarded as a new diagnostic tool. miR-29b mediates the lung mesenchymal-epithelial transition and prevents lung fibrosis in the silicosis model.² miR-202-3p controls human Sertoli cell functions and spermatogenesis via targeting LRP6 and Cyclin D1 of the Wnt, β -catenin-signaling pathway.³ Especially, miRNAs have recently attracted increasing

attention in liver disorder. miR-122 stimulates the expression of 24 hepatocyte-specific genes during hepatocyte maturation, and it regulates hepatocyte proliferation and differentiation in liver regeneration.⁴⁻⁶ miR-34a, which is increased in the serum of patients with non-alcoholic fatty liver disease, targets peroxisome proliferator-activated receptor gamma and regulates lipid transport and metabolism, playing a key role in the mitochondrial β -oxidation pathway.^{7,8} However, key miRNAs associated with liver fibrosis and accompanied angiogenesis have not been fully identified and deciphered yet.

Liver fibrosis is a common feature of almost all chronic liver diseases, which eventually leads to the development of cirrhosis and related complications, including hepatocellular carcinoma.⁹ Angiogenesis is intrinsically associated with the progression of chronic liver diseases,^{10,11} and our previous work has demonstrated that the inhibition of angiogenesis resulted in the attenuation of hepatic fibrosis in carbon tetrachloride and bile duct ligation mouse fibrotic models.¹² During liver fibrogenesis, many key fibrotic genes, such as transforming growth factor- β 1 (TGF- β 1), α -smooth muscle actin (α -SMA), procollagen α 1(I) (Col α 1[I]), and procollagen α 1(III) (Col α 1[III]), and angiogenic genes, such as angiopoietin 1 (Angpt1), CD31, and vascular cell adhesion molecule-1 (VCAM-1), are activated. Therefore, targeting the critical regulation factors in the development of hepatic fibrosis would be viewed as a promising strategy for the treatment of liver disease.

Platelet-derived growth factor receptor-beta (PDGFR- β) is a cell surface receptor tyrosine kinase, and the biological effect of it is initiated via binding to its ligand platelet-derived growth factor-B or platelet-derived growth factor-D.¹³⁻¹⁶ PDGFR- β is best known as a regulator of vascular morphogenesis and function during various development, homeostasis, and disease processes.¹⁷⁻²⁰

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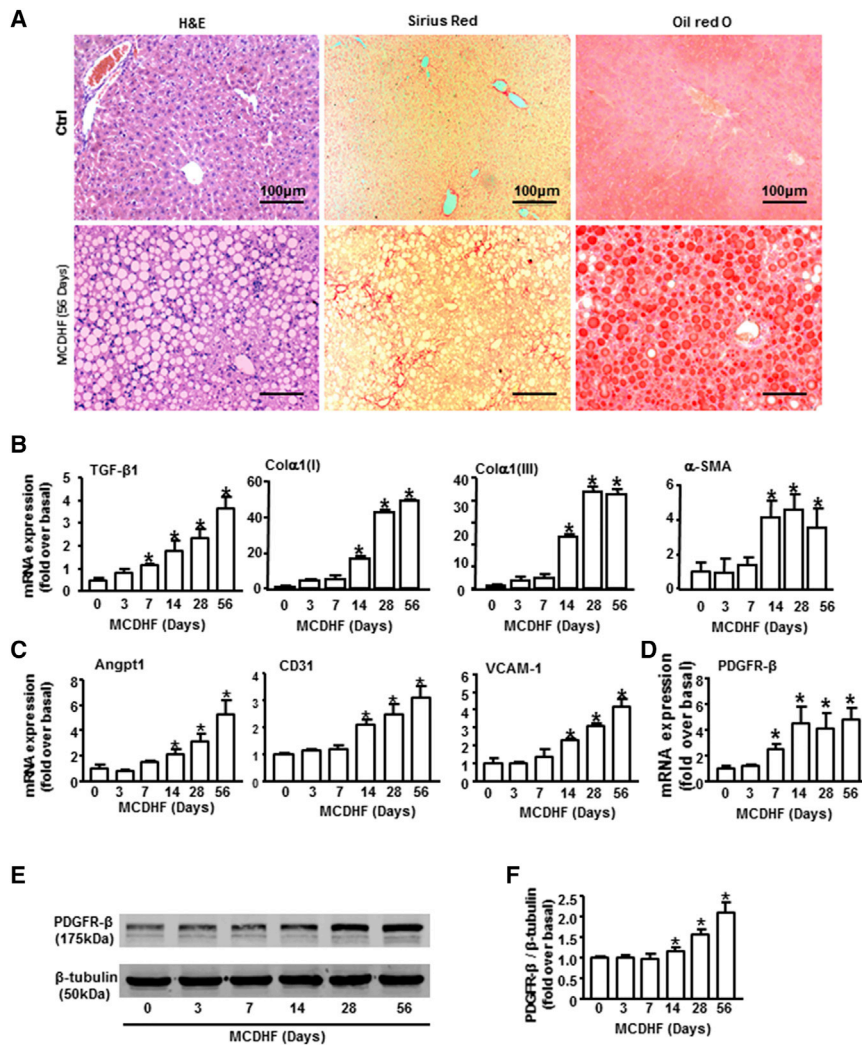


Figure 1. The Expression Pattern of PDGFR- β in the Fibrotic Liver of MCDHF Mice and the Correlation between PDGFR- β and Fibrosis and Angiogenesis Markers

(A) Representative H&E, Sirius Red, and oil red O stainings in the fibrotic liver of MCDHF mice. The mRNA expressions of fibrosis markers (B), angiogenesis markers (C), and PDGFR- β (D) were examined by qRT-PCR in the fibrotic liver of MCDHF mice. PDGFR- β protein expression was examined (E) and quantified (F) by western blot in the fibrotic liver. Data are presented as the mean \pm SEM. $n = 6$ per group. * $p < 0.05$ versus control.

RESULTS

Increased Expression of PDGFR- β Was Detected in Methionine-Choline-Deficient and High-Fat Mice, with a Positive Correlation to Fibrosis and Angiogenesis Markers

Since fat liver injury has become a rising cause of chronic liver disease worldwide,^{25,26} methionine-choline-deficient and high-fat (MCDHF) diet was fed to mice for different times to induce hepatic fibrosis. Liver histology, excessive collagen deposition, and lipid accumulation were demonstrated by H&E, Sirius Red, and oil red O staining in the fibrotic liver of 56-day MCDHF mice (Figure 1A). In line with this, the increased mRNA expression of fibrosis markers, including TGF- β 1, α -SMA, Col α 1(I), and Col α 1(III), was observed in the fibrotic liver (Figure 1B), indicating the successful establishment of mouse fibrotic models by feeding an MCDHF diet. The mRNA levels of angiogenesis markers, including Angpt1, CD31, and VCAM-1, were also markedly upregulated in the damaged liver, which

was consistent with the progression of liver fibrosis (Figure 1C). Notably, the expression of PDGFR- β increased nearly 2.5-fold at 7 days of MCDHF diet and continuously increased throughout the entire stage of chronic liver injury, reaching its peak around 56 days (4.8-fold) (Figure 1D); thus, we chose 56 days of MCDHF diet in the following studies. In addition, a positive correlation between PDGFR- β and fibrosis or angiogenesis markers was observed (Table 1). The protein levels of PDGFR- β in MCDHF mouse liver also increased significantly, with the maximal increase (2.62-fold) at 56 days after MCDHF diet feeding (Figures 1E and 1F). These results showed remarkable upregulation of PDGFR- β in MCDHF mouse liver, which was closely correlated with liver fibrogenesis and angiogenesis.

For instance, during angiogenesis, endothelial cell-derived platelet-derived growth factor B recruits perivascular cells onto angiogenic blood vessels through the activation of PDGFR- β .^{21–23} Additionally, PDGFR- β plays a crucial role in the pathological processes of chronic liver diseases, and inhibition of PDGFR- β signaling by destruxin A5 represents an appealing target for the treatment of bile duct ligation-induced liver fibrosis.²⁴ However, the origin of numerous PDGFR- β ⁺ cells in the fibrotic liver, especially in fat liver disease and associated angiogenesis, and the exact molecular mechanism governing this process have not been clearly deciphered yet.

Here we perform a large-scale screen for miRNAs targeting PDGFR- β by bioinformatics analysis, and we investigate the potential regulatory mechanism of candidate miRNAs in liver fibrogenesis and angiogenesis. These data expand our understanding of miRNA and PDGFR- β during chronic liver injury, which may represent an effective therapeutic strategy for liver disease.

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Bone Marrow Mesenchymal Stromal Cells Contributed to the Significant Proportion of PDGFR- β ⁺ Cells in the Mouse Fibrotic Liver

Immunofluorescence staining showed that PDGFR- β was only expressed in the vascular area of control liver with a weak

Table 1. The Correlation between PDGFR- β or miR-26b-5p and Fibrosis or Angiogenesis Markers in the Liver

Parameter	PDGFR- β		miR-26b-5p		
	Correlation Coefficient (r)	p Value	Correlation Coefficient (r)	p Value	
Fibrosis markers	TGF- β 1	0.897	<0.01	-0.831	<0.01
	Col α 1(I)	0.835	<0.01	-0.808	<0.01
	Col α 1(III)	0.883	<0.01	-0.881	<0.01
	α -SMA	0.823	<0.01	-0.854	<0.01
Angiogenesis markers	Angpt1	0.862	<0.01	-0.794	<0.01
	CD31	0.785	<0.01	-0.807	<0.01
	VCAM-1	0.850	<0.01	-0.868	<0.01

The relative expression of PDGFR- β and miR-26b-5p and fibrosis and angiogenesis markers in the liver of MCDHF mice was quantified using qRT-PCR. The relationship between PDGFR- β and miR-26b-5p and fibrosis and angiogenesis markers was analyzed by regression analysis.

immunoreactivity. However, there was strong immunoreactivity for PDGFR- β not only around mature vessels (solid arrows) but also around the area of nascent blood vessels (hollow arrows, [Figure 2A](#)) in the liver of MCDHF mice.

Previous studies have revealed that bone marrow mesenchymal stromal cells (BMSCs) can migrate to the damaged liver and distribute in the fibrotic area (angiogenic area).^{27–29} To explore whether PDGFR- β was highly expressed on these recruited BMSCs in the fibrotic liver, chimera mice with EGFP⁺ BMSCs were fed an MCDHF diet for 56 days to induce liver fibrosis, then the hepatic expression of PDGFR- β was examined by immunofluorescence staining. In control liver, few EGFP⁺ cells were detected and no co-localization was observed between PDGFR- β ⁺ and EGFP⁺ cells ([Figure 2B](#)). In contrast, a large proportion of PDGFR- β ⁺ cells were positive for EGFP, with the percentage of PDGFR- β ⁺EGFP⁺ cells accounting for 72.5% of total PDGFR- β ⁺ cells ([Figure 2C](#)), indicating there was a large proportion of PDGFR- β ⁺ cells in mouse fibrotic liver derived from BMSCs.

To validate the expression of PDGFR- β *in vitro*, we treated primary BMSCs with TGF- β 1, which is an important regulator of liver fibrosis and angiogenesis. qRT-PCR analysis revealed a pronounced increase in PDGFR- β mRNA expression stimulated by TGF- β 1 in a dose-dependent manner, with the maximal upregulation at a concentration of 10 ng/mL TGF- β 1 ([Figure 2D](#)). Then BMSCs were stimulated by 10 ng/mL TGF- β 1 for different times, showing a progressive increase in PDGFR- β from 3 to 24 h, with the highest expression at 24 h ([Figure 2E](#)). Afterward, PDGFR- β protein levels were examined by western blot. TGF- β 1 treatment markedly upregulated PDGFR- β protein amounts from 12 h, and this elevated level of PDGFR- β persisted for at least 72 h ([Figures 2F and 2G](#)), further confirming the upregulation of PDGFR- β in BMSCs under the treatment of TGF- β 1 *in vitro*.

miR-26b-5p Directly Targeted PDGFR- β in TGF- β 1-Treated BMSCs

To identify the miRNAs targeting PDGFR- β , we intersected the predicted miRNAs from three databases (www.microrna.org/microrna/home.do, www.targetscan.org/mmu_72, and <https://cm.jefferson.edu/rna22/>), and we got five putative miRNAs for target gene PDGFR- β . Among them, one was unchanged (miR-1934-3p), one was not detected (miR-192-3p), and the other three were downregulated (miR-30b-5p, miR-26b-5p, and miR-101b-3p) after TGF- β 1 treatment in BMSCs. Based on the fact that miR-26b-5p had the relatively lower expression in TGF- β 1-treated BMSCs and the better binding scores with PDGFR- β , we chose miR-26b-5p to focus on its regulation of PDGFR- β in the follow-up studies.

The hepatic expression of miR-26b-5p was decreased in the fibrotic liver of MCDHF mice ([Figure 3A](#)), with a negative correlation to PDGFR- β ([Figure 3B](#)) and fibrosis and angiogenesis markers ([Table 1](#)). As we know, miRNAs usually exert their effects through transcriptional regulation of downstream target genes.³⁰ To confirm PDGFR- β was directly targeted and regulated by miR-26b-5p, BMSCs were transfected with miR-26b-5p mimic or inhibitor to alter its expression, and the transfected efficiency was verified by qRT-PCR analysis ([Figures 3C and 3F](#)). Overexpression of miR-26b-5p with its mimic inhibited the TGF- β 1-induced increase of PDGFR- β both in mRNA ([Figure 3D](#)) and protein levels ([Figure 3E](#)), while miR-26b-5p inhibition resulted in the upregulation of PDGFR- β mRNA ([Figure 3G](#)) and protein expressions ([Figure 3H](#)). A biotin-avidin pull-down assay uncovered that PDGFR- β could be pulled down by wild-type bio-miR-26b-5p, whereas it could not be pulled down by the bio-control ([Figure 3I](#)). Lucifer reporter assays were used to further validate that PDGFR- β was a direct target of miR-26b-5p. Luciferase reporter genes were constructed using the PDGFR- β 3' UTR and the mutant counterpart at the miR-26b-5p-binding regions, and miR-26b-5p mimic was co-transfected into the cells. Overexpression of miR-26b-5p significantly inhibited the luciferase activity of PDGFR- β with the wild-type 3' UTR, but not with mutant 3' UTR ([Figure 3J](#)), providing clear evidence that PDGFR- β was a direct and functional downstream target of miR-26b-5p.

miR-26b-5p Was Sponged by lncMEG3 in TGF- β 1-Treated BMSCs

Recently, many efforts have been focused on the effects of long non-coding RNA maternally expressed gene 3 (lncMEG3) on angiogenesis,^{31–33} but whether lncMEG3 was involved in the modulation of

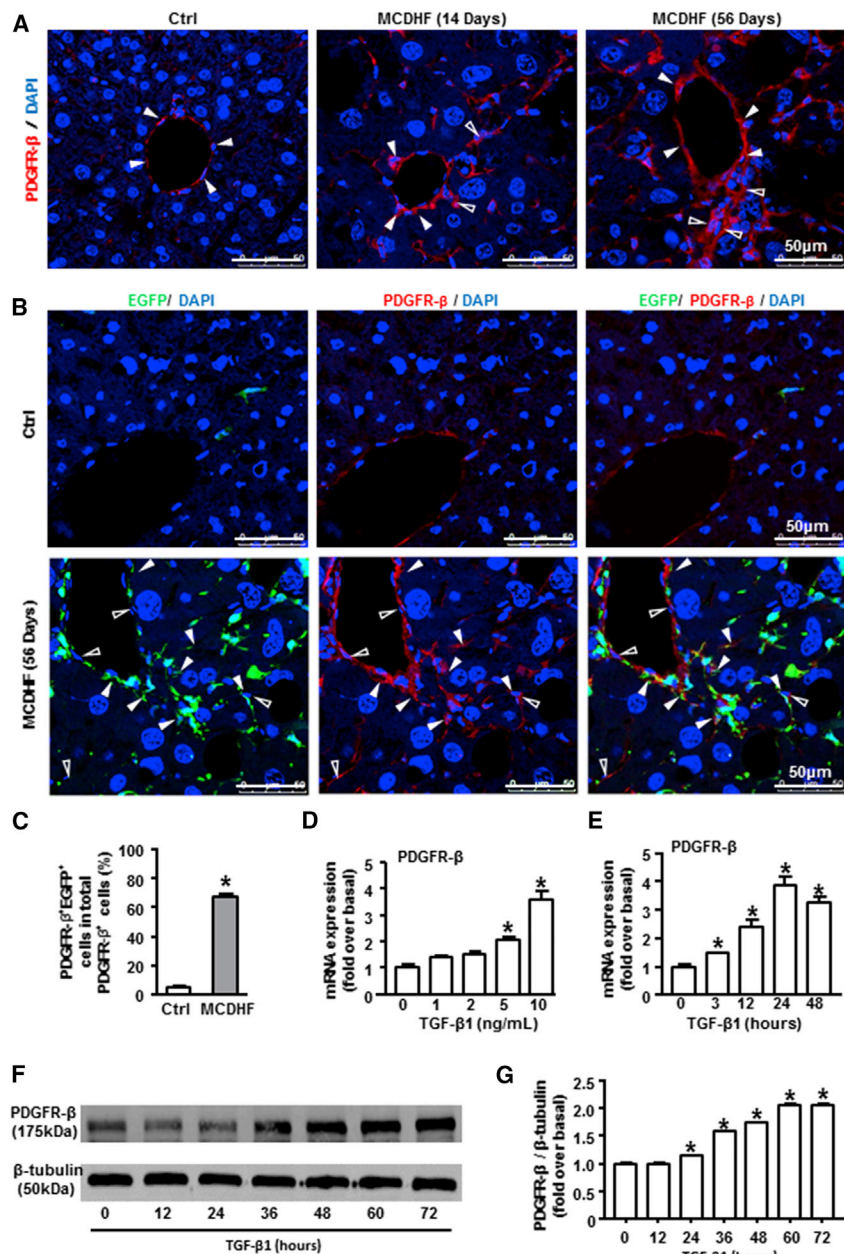


Figure 2. The Origin of PDGFR-β⁺ Cells in MCDHF Fibrotic Mice and the Expression of PDGFR-β in TGF-β1-Treated BMSCs *In Vivo*

(A) Representative images of immunofluorescence analysis to track PDGFR-β (green) expression in the fibrotic liver. Hollow arrows indicate PDGFR-β expression around the newly formed vessels, while solid arrows indicate PDGFR-β expression around the existing mature vessels. (B) Immunofluorescence staining for PDGFR-β (red) to track PDGFR-β⁺ cells following 56 days of MCDHF diet. (C) The proportion of PDGFR-β⁺EGFP⁺ cells accounting for total PDGFR-β⁺ cells was measured by Image-Pro Plus software. (D) PDGFR-β mRNA expression was examined by qRT-PCR in BMSCs treated with the indicated concentrations of TGF-β1 for 24 h. (E) PDGFR-β mRNA expression in BMSCs treated with 10 ng/mL TGF-β1 at different times. (F and G) PDGFR-β protein expression was examined (F) and quantified (G) by western blot in TGF-β1-treated BMSCs. Data are presented as the mean ± SEM. n = 6 per group. *p < 0.05 versus control.

pression plasmid or specific small interfering RNA (siRNA) to alter its expression, and the transfected efficiency was verified by qRT-PCR analysis (Figures 4C and 4F). lncMEG3 overexpression significantly attenuated the TGF-β1-induced increase in PDGFR-β both in mRNA (Figure 4D) and protein levels (Figure 4E), as demonstrated by qRT-PCR and western blot analysis. In a parallel approach, lncMEG3 knockdown with its specific siRNA caused a significant reduction in PDGFR-β mRNA (Figure 4G) and protein expressions (Figure 4H) in TGF-β1-treated BMSCs. Altogether, these results substantiated the presumptive role of lncMEG3 on the regulation of PDGFR-β expression in BMSCs.

Long non-coding RNA (lncRNA) can bind to miRNA and serve as a sponge to suppress miRNA action.³⁴ Microarray analysis compared the change of lncRNA expression pattern, showing lncMEG3 ranked high among the

downregulated lncRNAs in the microarray data of miR-26b-5p mimic-treated BMSCs (Table S1), indicating the possible interaction between lncMEG3 and miR-26b-5p. Consistently, there was a negative correlation between lncMEG3 and miR-26b-5p expression in liver, with the Pearson correlation coefficient (r) of -0.861 (Figure 5A). The biotin-avidin pull-down assay demonstrated that lncMEG3 could be pulled down by wild-type bio-miR-26b-5p, whereas it could not be pulled down by the bio-control (Figure 5B). Lucifer reporter assays suggested that miR-26b-5p mimic suppressed the luciferase activity of lncMEG3 with the wild-type 3' UTR, but not with its mutant 3' UTR (Figure 5C), further

PDGFR-β in BMSCs and liver fibrosis-associated angiogenesis was still unclear. To investigate lncMEG3 expression levels in liver fibrosis, we performed qRT-PCR analysis, and we observed strongly increased expression of lncMEG3 in the fibrotic liver of MCDHF mice (Figure 4A), indicating the importance of lncMEG3 during liver fibrogenesis. Moreover, the correlation between lncMEG3 and PDGFR-β was analyzed, with the Pearson correlation coefficient (r) of 0.865 (Figure 4B).

To explore the potential role of lncMEG3 in the regulation of PDGFR-β *in vitro*, BMSCs were transfected with lncMEG3 overex-

pression plasmid or specific small interfering RNA (siRNA) to alter its expression, and the transfected efficiency was verified by qRT-PCR analysis (Figures 4C and 4F). lncMEG3 overexpression significantly attenuated the TGF-β1-induced increase in PDGFR-β both in mRNA (Figure 4D) and protein levels (Figure 4E), as demonstrated by qRT-PCR and western blot analysis. In a parallel approach, lncMEG3 knockdown with its specific siRNA caused a significant reduction in PDGFR-β mRNA (Figure 4G) and protein expressions (Figure 4H) in TGF-β1-treated BMSCs. Altogether, these results substantiated the presumptive role of lncMEG3 on the regulation of PDGFR-β expression in BMSCs.

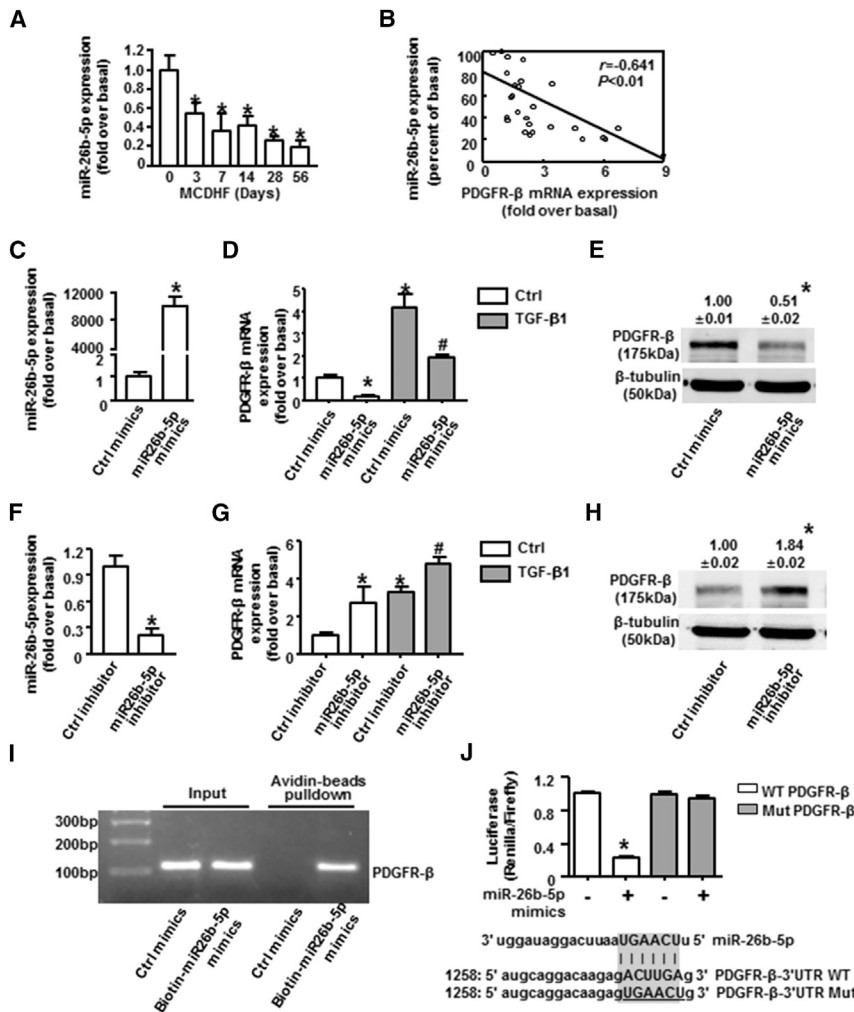


Figure 3. Downregulation of PDGFR- β Expression by miR-26b-5p in TGF- β 1-Treated BMSCs

(A) miR-26b-5p expression in the fibrotic liver induced by MCDHF. (B) The correlation between miR-26b-5p and PDGFR- β in liver tissue. Transfection efficiency of miR-26b-5p mimic (C) or inhibitor (F) in BMSCs is shown. PDGFR- β mRNA expression was examined by qRT-PCR with or without miR-26b-5p mimic (D) or inhibitor (G) transfection in BMSCs. Protein expression was examined by western blot with miR-26b-5p mimic (E) or inhibitor (H) transfection in BMSCs. Biotin-avidin pull-down assay (I) and luciferase reporter assay (J) demonstrated PDGFR- β was a target of miR-26b-5p. Data are presented as the mean \pm SEM. $n = 6$ per group. * $p < 0.05$ versus control. # $p < 0.05$ versus TGF- β 1 treated alone.

was distinctly decreased after miR-26b-5p overexpression in TGF- β 1-treated BMSCs in the microarray data (Figure 6A; Table S2), which was consistent with previous qRT-PCR and western blot results. In addition, the expression of angiogenic markers (Angpt1) and fibrotic markers (α -SMA, Col α 1[I], and Col α 1[III]) also declined with the transfection of miR-26b-5p mimic in TGF- β 1-treated BMSCs (Figure 6A).

Kyoto Encyclopedia of Genes and Genomes (KEGG) and Reactome enrichment analyses indicated that the differentially expressed genes were closely related to fibrosis, including collagen formation and extracellular matrix organization (Figure 6B; Table S3). Gene Ontology (GO) enrichment analysis for biological process terms revealed that miR-26b-5p

confirming that lncMEG3 could be directly bound by miR-26b-5p in BMSCs. Rescue experiments showed that co-transfection of lncMEG3 overexpression plasmid with miR-26b-5p mimic partially rescued the mRNA (Figure 5D) and protein levels (Figure 5E) of PDGFR- β , which was significantly decreased by individual miR-26b-5p mimics in TGF- β 1-treated BMSCs. Collectively, these results demonstrated that miR-26b-5p was sponged by lncMEG3 in TGF- β 1-treated BMSCs.

Microarray Analysis Was Performed in TGF- β 1-Treated BMSCs with or without miR-26b-5p Mimics

To gain further insights into the mechanism by which miR-26b-5p regulated PDGFR- β , we performed a microarray experiment using the RNA of TGF- β 1-treated BMSCs with or without miR-26b-5p mimic, and we explored mRNA expression profiles. Hierarchical clustering showed systematic variations in transcript expression levels between miR-26b-5p mimic-treated and untreated BMSCs, with 1,200 mRNAs upregulated and 1,128 mRNAs downregulated after the transfection of miR-26b-5p mimic. The expression of PDGFR- β

overexpression affected a list of genes associated with fibrosis and angiogenesis (Figure 6C; Table S4). Altogether, these results verified that miR-26b-5p directly targeted and downregulated PDGFR- β and the differentially expressed genes affected by miR-26b-5p were associated with fibrosis and angiogenesis by microarray analysis.

To better visualize the functional interactions between proteins from the regulated genes involved in miR-26b-5p-mediated PDGFR- β expression in BMSCs, the candidate genes were submitted to functional network reconstruction using STRING (<https://string-db.org/cgi/input.pl>). 27 genes were clustered together. Within this functional cluster, vascular endothelial growth factor (VEGF) A, B, and C; Angpt1; Angpt2; their tyrosine kinase receptor (TIE1); and von Willebrand factor (vWF) were involved in angiogenesis; and TGF- β 1, α -SMA, Col α 1(I), Col α 1(III), matrix metalloproteinase 9 (MMP9), and tissue inhibitor of metalloproteinase (TIMP) 1 and 3 participated in collagen deposition, extracellular matrix remodeling, liver fibrosis, and repair (Figure 6D).

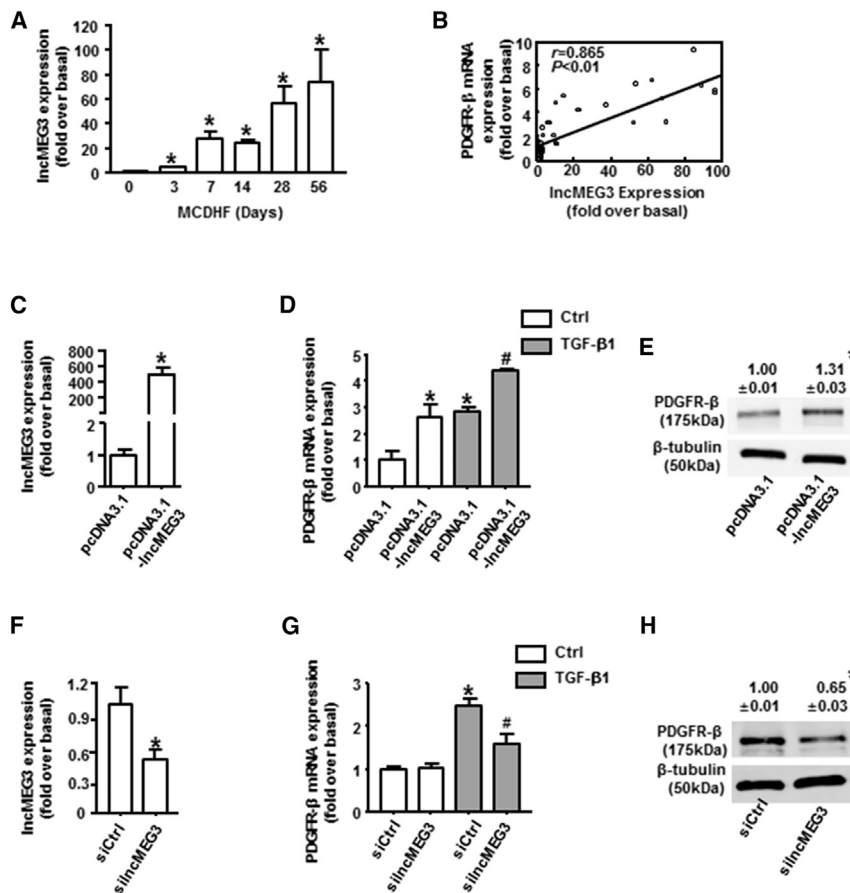


Figure 4. Regulation of lncMEG3 on PDGFR-β in TGF-β1-Treated BMSCs

(A) lncMEG3 expression was examined by qRT-PCR in the fibrotic liver induced by MCDHF. (B) The correlation between lncMEG3 and PDGFR-β in liver tissue. Transfection efficiency of lncMEG3 overexpression plasmid (C) or siRNA (F) in BMSCs is shown. PDGFR-β mRNA expression was examined by qRT-PCR with lncMEG3 overexpression plasmid (D) or siRNA (G) in BMSCs. PDGFR-β protein expression was examined by western blot with lncMEG3 overexpression plasmid (E) or siRNA (H) in BMSCs. Data are presented as the mean ± SEM. n = 6 per group. *p < 0.05 versus control. #p < 0.05 versus TGF-β1 treated alone.

DISCUSSION

In this study, we investigated the potential role of miR-26b-5p in liver fibrogenesis and angiogenesis via directly regulating PDGFR-β expression and interacting with lncMEG3. Our work provides several new findings as follows: (1) the expression of miR-26b-5p, predicted to target PDGFR-β by bioinformatics analysis, is decreased in the fibrotic liver of MCDHF mice, with a negative correlation to PDGFR-β, fibrosis, and angiogenesis markers; (2) miR-26b-5p directly targets PDGFR-β in TGF-β1-treated BMSCs by pull-down and lucifer reporter assays, which can be sponged by lncMEG3; (3) microarray data and KEGG, Reactome, and GO enrichment analyses revealed that miR-26b-5p overexpression affects a variety of genes associated with fibrosis and angiogenesis; and (4) *in vivo* miR-26b-5p agomir negatively regulates PDGFR-β expression and attenuates liver fibrosis and angiogenesis.

miR-26b-5p Agomir Targeted PDGFR-β and Attenuated Liver Fibrosis and Angiogenesis *In Vivo*

In the end, we verified the regulation of miR-26b-5p on PDGFR-β during liver fibrogenesis *in vivo*, through the injection of miR-26b-5p agomir into MCDHF mice for 56 days. First, the hepatic expression of miR-26b-5p was examined by qRT-PCR, verifying the effectiveness and specificity of miR-26b-5p agomir *in vivo* (Figure 7A). Moreover, the expression of PDGFR-β was explored by qRT-PCR, western blot, and immunofluorescence staining. The results showed that PDGFR-β mRNA levels were markedly attenuated after the injection of miR-26b-5p agomir in MCDHF mice (Figure 7B). The protein expression of PDGFR-β (Figure 7C) and the proportion of PDGFR-β⁺EGFP⁺ cells of total PDGFR-β⁺ cells also presented a significant drop in the presence of miR-26b-5p agomir in MCDHF mice (Figures 7D and 7E). Furthermore, the mRNA expression of angiogenesis markers (Figure 7F) and fibrosis markers (Figure 7G) was markedly declined after miR-26b-5p agomir administration in MCDHF mice. Taken together, these results validated that miR-26b-5p targeted PDGFR-β and attenuated liver fibrosis and angiogenesis *in vivo*.

The miR-26 family is one of the most extensively studied miRNAs. In the previous studies, miR-26b-5p has been characterized in a variety of pathophysiological processes, including proliferation, angiogenesis, inflammation, and injury-related processes. For instance, miR-26b-5p was identified as a negative regulator of proliferation and apoptosis in hepatocellular carcinoma.³⁵ The lncMalat1, miR-26b-5p, ULK2 axis regulated brain microvascular endothelial cell autophagy and survival under oxygen-glucose deprivation and reoxygenation condition.³⁶ A phenotypic miRNA screen identifies that miR-26b-5p can promote endothelial cell growth, survival, and angiogenesis following acute ischemia.³⁷ In addition, increased miR-26b-5p expression could inhibit the activation of microglia and the production of interleukin-6 in hypoxia-ischemia, thus alleviating the cognitive impairment.³⁸ The miR-26a and/or miR-26b, Cyclooxygenase-2-macrophage inhibitory protein-2 loop regulated a positive feedback between allergic inflammation and tumor metastasis.³⁹ The present study first documents the role of miR-26b-5p in liver fibrogenesis and angiogenesis via targeting PDGFR-β, displaying

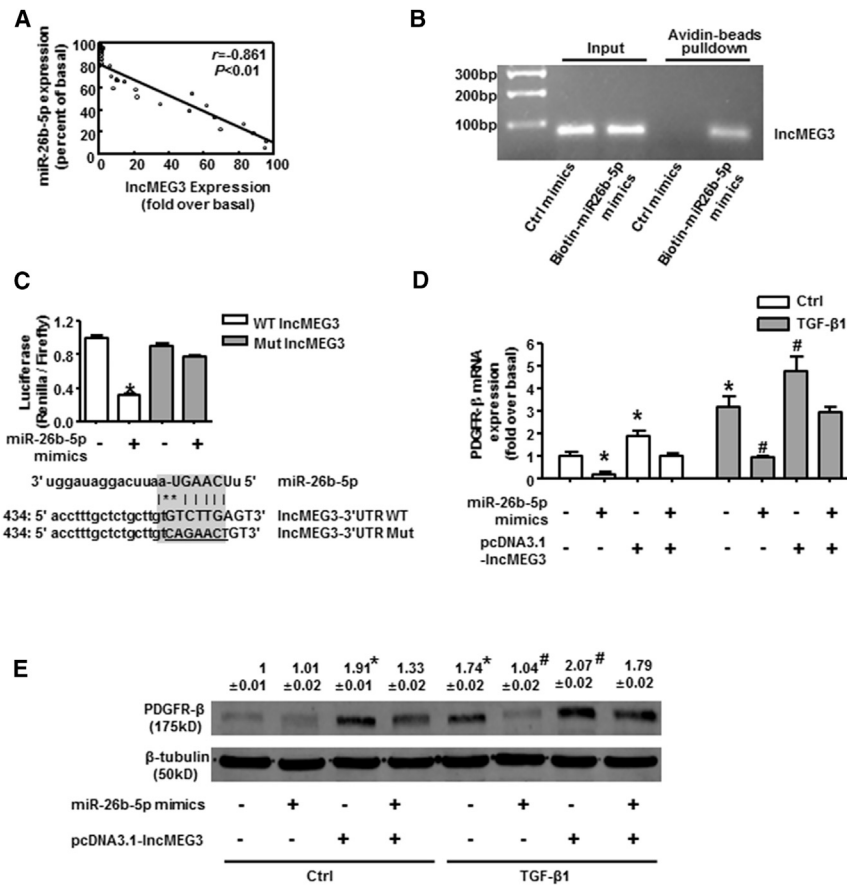


Figure 5. miR-26b-5p Was Sponged by lncMEG3 in TGF-β1-Treated BMSCs

(A) The correlation between lncMEG3 and miR-26b-5p in liver tissue. Biotin-avidin pull-down assay (B) and luciferase reporter assay (C) demonstrated that lncMEG3 was a target of miR-26b-5p. (D) PDGFR-β mRNA expression with or without lncMEG3 overexpression plasmids in miR-26b-5p mimic-treated BMSCs. (E) PDGFR-β protein expression with or without lncMEG3 overexpression plasmids in miR-26b-5p mimic-treated BMSCs. Data are presented as the mean ± SEM. $n = 6$ per group. * $p < 0.05$ versus control. # $p < 0.05$ versus miR-26b-5p mimic treated alone.

vealed that BMSCs can migrate to the injured liver and differentiate to α -SMA⁺ myofibroblasts in liver fibrosis.^{27–29} Here we document the high expression of PDGFR-β on BMSCs in the fibrotic liver of MCDHF mice, and we identify the function of these PDGFR-β⁺ BMSCs, which is closely associated with liver fibrogenesis and angiogenesis. Consistently, PDGFR-β⁺ cells have been described as perivascular cells that are essential for the regulation of angiogenesis and blood vessel stabilization, integrity, and remodeling.^{44–48} Stromal cells have been shown to have two-sided effects in a range of clinical settings, including liver disease. On one hand, many clinical studies have been conducted on the treatment of liver fibrosis or cirrhosis via the transplantation of stromal cells.⁴⁹ On the other hand, BMSCs

can differentiate to myofibroblasts in previous studies or to PDGFR-β⁺ cells in this study, thus contributing to the progression of hepatic fibrogenesis in different mouse models. This could be partly attributed to the marked heterogeneity (different subtypes and probably different functions) of the stromal cell population in its respective niche.

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that miR-26b-5p overexpression remarkably inhibits the upregulation of PDGFR-β mRNA and protein levels and attenuates liver fibrosis and angiogenesis *in vivo*, which can be used as a novel target for the treatment of liver fibrosis.

A common action mechanism for lncRNA-miRNA interaction is referred to as “sponge,” in which lncRNA functions as miRNA sponges competing with mRNA for miRNA binding.⁴⁰ lncMEG3 was first identified as a tumor suppressor in various cancers,^{41–43} and recent studies have highlighted the importance of lncMEG3 in angiogenesis and the maintenance of normal function of vascular endothelial cells.^{31–33} Gain-of-function studies have confirmed that lncMEG3 acts as an endogenous sponge to suppress the biological function of miR-26b-5p by a sequence-complementary mechanism and to increase PDGFR-β expression in BMSCs. Thus, the balancing effects of lncMEG3 on miR-26b-5p action should be taken into account when using miR-26b-5p-based therapy.

The current study shows that BMSCs contribute to the vast number of PDGFR-β⁺ cells in mouse fibrotic liver, as demonstrated by the fact that PDGFR-β⁺EGFP⁺ cells accounted for 72.5% of total PDGFR-β⁺ cells in the fibrotic liver of MCDHF mice. Previous studies have re-

Fat liver injury has become a rising cause of chronic liver disease worldwide;^{25,26} therefore, here we used an MCDHF diet to induce liver fibrosis in mice. Combining methionine-choline deficiency with high-fat diet, which can both contribute to the abnormal accumulation of fat within liver, MCDHF mice showed a rapid progression of extensive liver fibrogenesis, with excessive collagen deposition, lipid accumulation, and a significant increase in fibrosis and inflammation markers starting from 14 until 56 days, indicating the successful establishment of liver fibrosis models in mice.

In conclusion, we identified the critical role of miR-26b-5p in chronic liver injury and angiogenesis, and we explored the underlying mechanism associated with the negative regulation of miR-26b-5p on its target PDGFR-β and interaction with lncMEG3, which may open new perspectives for pharmacological treatment of liver fibrosis.

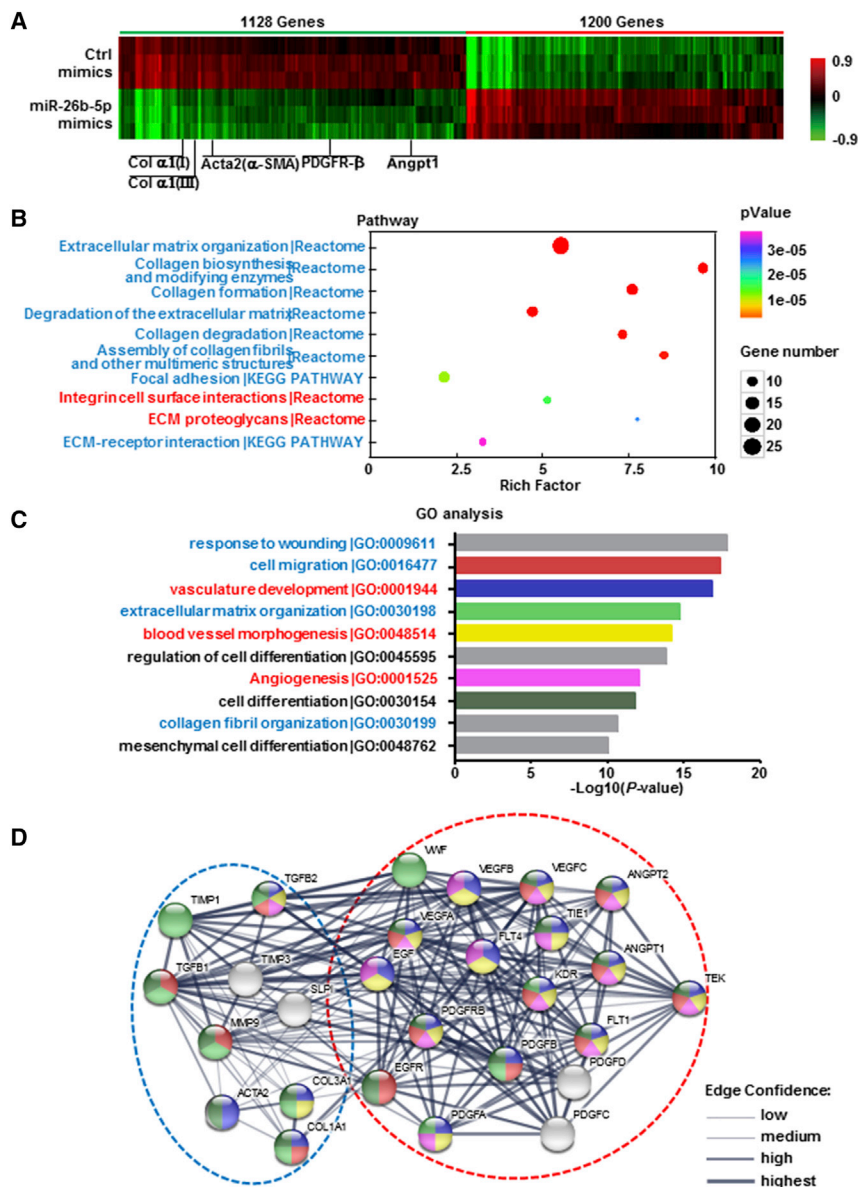


Figure 6. Microarray Analysis Was Performed in TGF-β1-Treated BMSCs with or without miR-26b-5p Mimics

BMSCs were treated with 10 ng/mL TGF-β1 for 24 h with or without miR-26b-5p mimics. Microarray analysis for mRNA was performed with RNA extracted from BMSCs. Hierarchical cluster analysis of significantly differentially expressed mRNA is shown as follows: bright green, under-expression; black, no change; bright red, over-expression. n = 3 per group. (A) Microarray heatmap comparing the signatures of PDGFR-β and angiogenesis marker and fibrosis marker genes in TGF-β1-treated BMSCs with or without miR-26b-5p mimics. KEGG and Reactome enrichment analyses (B) and GO enrichment analysis for biological process terms (C) are for the differentially expressed genes with miR-26b-5p mimics. n = 3 per group. (D) Predicted protein network visualization with STRING. The network view predicted the associations between proteins from the regulated genes involved in angiogenesis and extracellular matrix organization in TGF-β1-treated BMSCs. The network nodes were proteins. These proteins were clustered using k-means clustering algorithms.

(8 Gy in a divided dose 4 h apart), and immediately they received transplantation by a tail vein injection of the cell mixture (0.10×10^7 BMSCs from EGFP transgenic mice and 1.10×10^7 whole bone marrow [BM] cells from wild-type mice, in which BMSCs had been removed). Anti-CD146 microbeads (Miltenyi Biotec, Germany) were used to purify BMSCs or remove BMSCs from whole bone marrow cells by immunomagnetic cell sorting. 4 weeks later, the bone marrow was reconstructed, and the chimera mice with EGFP-labeled BMSCs were fed with MCDHF diet to build the liver injury model.

miR-26b-5p agomir (miR-26b-5p mimic *in vivo*) was purchased from Guangzhou RiboBio, and it was delivered *in vivo* using a hydrodynamic transfection method, by which 50 nM miR-

26b-5p agomir was rapidly injected into the tail vein. Control mice were injected with an equal volume of control agomir dissolved in PBS. These miRNA agomirs were injected twice per week in MCDHF diet-eating mice for 8 weeks.

BMSC Isolation and Culture

ICR mice were anesthetized, and whole bone marrow cells were extracted from the tibiae and femurs by using a 25G needle to flush with culture medium. The cells were filtered through a 70-μm nylon mesh and washed with PBS containing 2% fetal bovine serum (FBS). Then BMSCs were cultured and used for experiments from passages 3 to 6. Characterization of BMSCs was performed by flow cytometry analysis.

MATERIALS AND METHODS

Mouse Models

Liver fibrosis models were induced by MCDHF diet. In detail, mice were fed either a control diet or an MCDHF diet (A06071309, Research Diet) containing 46 kcal% fat, 18 kcal% protein, and 36 kcal% carbohydrate. Mice were sacrificed at days 3, 7, 14, 28, and 56. All animals received human care and all animal protocols conformed to the Ethics Committee of Capital Medical University and were in accordance with the approved guidelines (approval AEEI-2014-131).

To trace BMSC differentiation *in vivo*, adult Institute of Cancer Research (ICR) mice (post-natal day [P]50–60) received irradiation

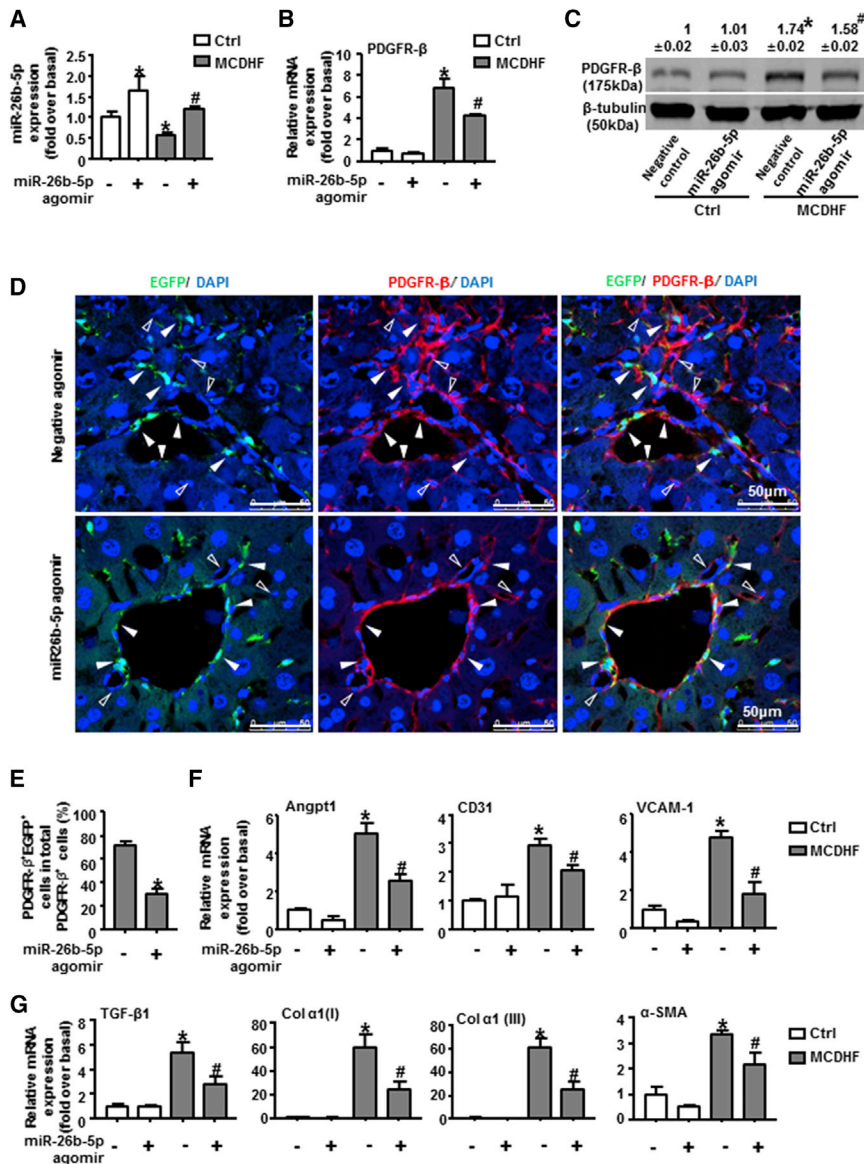


Figure 7. The Regulation of miR-26b-5p Agomir on PDGFR- β Expression, Liver Fibrosis, and Angiogenesis *In Vivo*

(A) Transfection efficiency of 50 nM miR-26b-5p agomir (mimic *in vivo*) in the fibrotic liver of MCDHF mice. (B) PDGFR- β mRNA levels in liver tissue were measured by qRT-PCR with or without miR-26b-5p agomir injection in MCDHF mice. (C) PDGFR- β protein levels in liver tissue were measured by western blot. (D) Representative images of immunofluorescence analysis to track PDGFR- β (red) expression in BMSCs (green) in the fibrotic liver. (E) The proportion of PDGFR- β ⁺EGFP⁺ cells of total PDGFR- β ⁺ cells was measured by Image-Pro Plus software. Hollow arrows indicate PDGFR- β ⁺EGFP⁺ cells, while solid arrows indicate PDGFR- β ⁻EGFP⁺ cells. DAPI was used to visualize nuclei (blue). The mRNA levels of angiogenesis markers (F) and fibrosis markers (G) in the fibrotic liver are shown. Data are presented as the mean \pm SEM. n = 6 per group. *p < 0.05 versus control. #p < 0.05 versus MCDHF treated alone.

for total PDGFR- β ⁺ cells was measured by the software Image-Pro Plus.

Histology Analysis

Liver tissues were fixed in 4% paraformaldehyde. Liver tissue sections (5 μ m) were stained with H&E for the assessment of inflammation and injury, Sirius Red for the extent of collagen deposition, and oil red O for lipid accumulation.

Immunomagnetic Cell Sorting

CD146⁺ cells were enriched and depleted from EGFP⁺ and EGFP⁻ bone marrow, respectively, by using CD146 MicroBeads (Miltenyi Biotec, Bergisch Gladbach, Germany), according to the manufacturer's instructions. About 0.35% CD146⁺ cells were separated from EGFP⁺ bone marrow and 92.44% CD146⁻ cells were separated from EGFP⁻ bone marrow complementarily.

Cell sorting efficiency was further verified by flow cytometry. Immunomagnetic cell-sorted EGFP⁺/CD146⁺ cells and EGFP⁻/CD146⁻ cells were mixed at the original ratio for transplantation.

qRT-PCR

Extraction of total RNA from mice liver frozen specimen and qRT-PCR were performed. Primers were as follows: 18S rRNA sense 5'-GTA ACC CGT TGA ACC CCA TT-3', antisense 5'-CCA TCC AAT CGG TAG TAG CG-3'; PDGFR- β sense 5'-TTC CAG GAG TGA TAC CAG CTT-3', antisense 5'-AGG GGG CGT GAT GAC TAG G-3'; TGF- β 1 sense 5'-TGC GCT TGC AGA GAT TAA AA-3', antisense 5'-TCA CTG GAG TTG TAC GGC AG-3'; α -SMA sense 5'-ATG CTC CCA GGG CTG TTT T-3', antisense 5'-TTC CAA CCA TTA CTC CCT GAT GT-3'; Col α 1(I) sense

Immunofluorescence Staining

BMSCs were fixed in 4% paraformaldehyde in PBS for 20 min and permeabilized in 0.5% Triton X-100 in PBS for 15 min. Liver samples were fixed in 4% paraformaldehyde and embedded in Tissue Tek optimal cutting temperature (OCT) compound. 5 μ m frozen section was used for immunofluorescence. BMSCs or the liver sections were blocked with 2% BSA, and then they were incubated with anti-PDGFR- β monoclonal antibody (1:100, Abcam, Cambridge, UK) and Cy3-AffiniPure goat anti-rabbit immunoglobulin G (IgG) (1:100, Jackson ImmunoResearch Laboratories, West Grove, PA, USA) as secondary antibodies. The samples were covered with Vectashield mounting medium containing DAPI and observed under a confocal microscope (LSM510, Carl Zeiss MicroImaging, Germany). The percentage of PDGFR- β ⁺EGFP⁺ cells accounting

5'-AGG GCG AGT GCT GTG CTT T-3', antisense 5'-CCC TCG ACT CCT ACA TCT TCT GA-3'; Col α 1(III) sense 5'-TGA AAC CCC AGC AAA ACA AAA-3', antisense 5'-TCA CTT GCA CTG GTT GAT AAG ATT AA-3'; CD31 sense 5'-GAC GAT GCG ATG GTG TAT AAC G-3', antisense 5'-GAG CCT GAG GAA TGA CGT AGC T-3'; and VCAM-1 sense 5'-TGC GAG TCA CCA TTG TTC TCA T-3', antisense 5'-CCC CTC CGT CCT CAC CTT-3'. Probes (Applied Biosystems) used for real time RT-PCR were Angpt1 and Mm00456503_m1.

Western Blot

Western blot for PDGFR- β was performed with 50 μ g protein extract using monoclonal antibodies to PDGFR- β (1:1,000, Abcam, Cambridge, UK) and the appropriate IRDyeTM 800-conjugated secondary antibody (1:10,000). Signals were detected using the Odyssey Imaging System (LI-COR Biosciences, Lincoln, NE, USA) and analyzed with Odyssey software. Results were normalized relative to β -tubulin (mouse anti- β -tubulin monoclonal antibody, 1:2,000, Transgen Biotech, China) expression to correct for variations in protein loading and transfer.

Pull-down Assay

Biotinylated miR-26b-5p mimics and negative control mimics (Beijing AuGCT Biotechnology, China) were respectively transfected into BMSCs. Cells lysate were then incubated with streptavidin-coupled magnetic beads (Dynabeads M-280 Streptavidin, Thermo Fisher Scientific, Waltham, MA, USA) for purifying target RNA, in accordance with the manufacturer's instructions. The RNA amplification product quantified and analyzed by qRT-PCR was used for DNA agarose gel electrophoresis.

Luciferase Reporter Assays

BMSCs were seeded in 96-well plates 24 h prior to transfection. Subsequently, the cells were transiently co-transfected with 5 ng wild-type or mutant reporter plasmid (Guangzhou RiboBio, China) and 50 nM miR-26b-5p mimic or miR-control using Lipofectamine 2000. Firefly and Renilla luciferase activities were measured 48 h subsequent to transfection using the Dual Luciferase Assay (Promega, Madison, WI, USA), according to the manufacturer's protocol. Firefly luciferase activity was normalized to Renilla, and the value of the ratio of firefly luciferase activity to renilla luciferase activity was analyzed.

Microarray and Computational Analyses

Briefly, samples (BMSCs treated with TGF- β 1 with or without miR-26b-5p mimic) were used to synthesize double-stranded cDNA, and double-stranded cDNA was labeled and hybridized to an Affymetrix Mouse Gene MTA 1.0 array (Affymetrix, Santa Clara, CA, USA). To select the differentially expressed genes, we used threshold values of ≥ 1.3 -fold change and corrected p value < 0.05 . KEGG, Reactome, and GO analyses were performed to explore the function and pathways based on differentially expressed genes. mRNA microarray experiments and technical assistance in bioinformatic analysis were handled by Capitalbio Technology (Beijing, China).

Statistical Analysis

The results are expressed as mean \pm SEM. Statistical significance was assessed by Student's t test or one-way ANOVA when appropriate. Correlation coefficients were calculated by Pearson test. $p < 0.05$ was considered to be significant. All results were verified in at least three independent experiments.

SUPPLEMENTAL INFORMATION

Supplemental Information can be found with this article online at <https://doi.org/10.1016/j.omtn.2019.02.014>.

AUTHOR CONTRIBUTIONS

Study Concept and Design, L.L., Le Yang, and C.D.; Data Acquisition, Le Yang, C.D., and Lin Yang; Data Analysis and Interpretation, Le Yang, C.D., J.Y., Lin Yang, N.C., C.Q., and L.L.; Drafting of the Manuscript, Le Yang, C.D., and L.L.; Study Supervision, L.L.

CONFLICTS OF INTEREST

The authors indicate no potential conflicts of interest.

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OMTN, Volume 16

Supplemental Information

MicroRNA-26b-5p Inhibits Mouse Liver

Fibrogenesis and Angiogenesis

by Targeting PDGF Receptor-Beta

Le Yang, Chengbin Dong, Jingjing Yang, Lin Yang, Na Chang, Changbo Qi, and Liying Li

MicroRNA-26b-5p Inhibits Mouse Liver Fibrogenesis and Angiogenesis by Targeting PDGF Receptor-beta
 Le Yang#, Chengbin Dong#, Jingjing Yang, Lin Yang, Na Chang, Changbo Qi, Liying Li*

Supplementary table 1. The preliminary probe signal values of noncoding genes by microarray analysis in TGF- β 1-treated BMSCs with or without miR-26b-5p mimics

Probe Set ID	Gene Symbol	Control mimics			miR-26b-5p mimics		
		1	2	3	4	5	6
TC1500001514.mm.1		230.69	250.19	247.64	70.37	76.40	78.10
TC0100000997.mm.1		297.11	297.11	311.24	97.50	86.92	97.61
TC0500000573.mm.1		297.11	297.11	311.24	97.50	86.92	97.61
TC0100001693.mm.1	Gm24405	419.99	411.72	429.19	207.22	210.06	222.38
TC1200001192.mm.1	Mirg; Mir134; Mir377; Mir382; Mir410; Mir412; Mir485; Mir369; Mir668;	77.83	80.06	74.45	42.75	40.62	41.20
TC0900000895.mm.1	9530091C08Rik	64.33	68.73	67.72	30.32	31.79	28.82
TC0900000037.mm.1		24.30	25.61	24.76	15.59	14.81	15.49
TC1300000114.mm.1		5402.02	6162.90	5284.89	1531.62	1397.55	1624.13
TC1900000001.mm.1		705.19	746.21	797.75	322.89	295.37	314.01
TC1200001140.mm.1		1595.87	1853.22	1518.92	419.92	435.33	472.59
TC1000000100.mm.1	Hivep2; Gm20114	227.56	221.53	209.93	126.04	131.92	132.95
TC1200001142.mm.1	Rian; AF357355; AF357359; AF357425; DQ267100; DQ267101	434.72	443.68	405.31	159.07	158.44	182.66
TC1200001147.mm.1	Gm24564	7080.00	9285.74	7676.71	1607.60	1286.07	1491.24
TC0400001968.mm.1	Mir34a	110.29	109.95	110.61	78.12	72.03	74.69
TC1200001127.mm.1	Meg3; Mir770; Mir1906-1; Mir1906-2	100.49	109.20	94.60	49.75	50.49	51.74
TC0100002623.mm.1	Gm26263	50.98	58.13	54.71	29.75	28.84	29.12
TC1400001518.mm.1		70.77	69.18	70.45	43.08	44.49	40.11
TC1700000133.mm.1		225.37	235.43	200.93	95.76	86.21	91.19
TC0X00003297.mm.1		37.44	40.44	40.99	23.43	21.92	23.20
TC0100002692.mm.1		253.47	290.16	268.96	137.16	135.94	127.28
TC0400002815.mm.1		1922.80	1990.24	1784.36	526.89	463.25	603.38
TC0400002648.mm.1		24060.48	23960.61	24807.40	16088.47	15517.19	14641.79
TC0200003225.mm.1	Gm13371; RP23-475B13.4	78.28	79.72	78.80	55.49	52.72	57.34
TC1300002482.mm.1		296.21	299.38	285.51	183.85	167.79	185.13
TC1100001296.mm.1		43.83	39.60	39.29	24.43	23.19	23.55
TC1700002272.mm.1		13716.81	13730.62	13957.80	8431.19	8492.53	7580.17
TC0800002911.mm.1		14012.21	14997.21	15199.95	9867.14	9356.19	9754.39
TC0X00000514.mm.1	1600025M17Rik	19.05	19.38	18.49	13.76	14.31	13.47
TC0600002863.mm.1		95.56	108.35	105.21	30.48	38.77	32.93
TC0X00002854.mm.1	Gm23322	88.37	96.86	93.01	63.90	61.76	62.92
TC0400002965.mm.1		64.49	71.07	78.45	27.53	29.78	26.02
TC1200000136.mm.1		413.67	478.85	440.42	214.78	235.18	224.70
TC0100001475.mm.1	Dnm3os; Mir214; Mir199a-2	543.23	638.68	565.42	259.14	225.31	249.34
TC1800000033.mm.1		70.61	69.42	81.68	26.49	21.03	23.84
TC1300000169.mm.1		30852.82	31506.72	28817.49	19832.40	19429.05	18451.71
TC0400002967.mm.1		113.51	120.12	105.75	35.14	40.50	44.72
TC0700000086.mm.1	Peg3os	59.73	59.97	61.99	45.41	42.21	44.29
TC1800000752.mm.1		48.31	51.66	51.03	29.66	27.09	30.60
TC1400002790.mm.1	2610042L04Rik	38.07	36.76	37.88	28.26	28.05	26.43
TC0X00000785.mm.1	Gm14749	737.84	658.73	637.60	367.58	342.91	338.88
TC0800000940.mm.1		211.70	219.90	230.70	129.86	139.95	125.90
TC1800000524.mm.1		308.16	359.97	328.82	163.21	161.55	177.37
TC1800000745.mm.1		28.73	29.89	30.12	24.26	23.63	23.64
TC1100000241.mm.1		59.94	65.04	62.39	44.23	42.37	44.56
TC1100002345.mm.1		25.66	24.23	25.68	17.69	16.35	17.39
TC0100000398.mm.1	Gm10561	96.46	93.90	97.61	60.30	54.19	61.06
TC0200001941.mm.1		26.60	26.50	27.23	20.18	18.54	19.32
TC1200000732.mm.1		26.39	26.09	27.57	20.67	19.74	19.73
TC0600000333.mm.1		92.31	86.05	83.00	36.68	40.92	44.05
TC0200001793.mm.1	Gm14087; RP23-158L6.1	832.04	754.04	704.62	404.65	415.67	418.35
TC1500001292.mm.1		45.05	44.02	41.66	21.94	22.43	18.89
TC0900002256.mm.1		79.86	87.74	91.86	29.79	37.33	32.66
TC0100003023.mm.1		82.13	78.47	76.95	56.51	59.52	58.86
TC1500001517.mm.1		135.21	159.71	161.30	71.39	63.53	66.69
TC0900000898.mm.1	F830001A07Rik	188.48	262.53	209.40	50.86	61.33	55.39
TC03000003210.mm.1	Schip1; Gm21949	164.04	167.99	166.09	112.24	123.13	114.44
TC0300001589.mm.1	Wls	4151.20	4218.31	3953.19	2671.50	2426.76	2677.41
TC1700001305.mm.1		133.84	150.12	134.79	85.98	84.71	88.55
TC0100000065.mm.1		176.46	177.99	201.03	67.26	50.01	55.05
TC13000002720.mm.1		22758.57	22848.36	21123.59	14518.77	15237.41	14058.07
TC0200001610.mm.1		26159.70	26944.01	24810.32	15348.40	14678.51	16550.52
TC0200003052.mm.1		34.02	33.49	33.53	26.96	25.11	26.17
TC0500003696.mm.1		38.00	35.06	40.11	20.19	17.72	19.70
TC0X00002290.mm.1	Gm14889; RP23-303A21.2	439.81	405.13	427.79	257.48	278.07	281.81
TC0X00002908.mm.1	Gm14929; RP23-79L4.1	60.75	60.86	57.81	45.83	45.61	47.58

TC1100003458.mm.1		171.37	172.08	158.51	62.02	78.33	65.31
TC0200005100.mm.1	Gm14265; RP23-161B3.4	835.09	838.23	823.53	598.12	569.27	626.04
TC1500001801.mm.1		23.23	22.11	21.69	15.01	15.58	16.22
TC1100003621.mm.1	2010300F17Rik	164.90	151.24	131.66	63.00	55.81	62.85
TC0X00002541.mm.1	Gm14737; RP23-461P10.1	2673.64	2639.65	2397.64	1515.26	1374.72	1521.05
TC0400000474.mm.1		117.68	141.67	119.92	45.17	51.96	41.82
TC1400000035.mm.1	Gm10410	40.01	39.61	39.13	28.78	28.79	26.36
TC0700004076.mm.1	St5	539.11	513.76	508.49	317.49	289.32	331.93
TC0600002441.mm.1	Rpr1	45.07	46.50	44.97	36.23	35.28	33.84
TC0200003757.mm.1		64.22	57.48	56.85	32.96	32.00	28.81
TC0600002004.mm.1		114.30	115.51	111.75	82.28	73.75	78.18
TC1500000454.mm.1	Pvt1	61.72	66.37	63.15	50.00	49.24	49.73
TC0900000103.mm.1		2029.88	2132.65	2060.93	1166.33	1177.51	1336.78
TC1100001298.mm.1		19.14	21.28	20.18	13.62	14.19	13.66
TC0700004432.mm.1		47.17	47.60	46.49	31.29	27.04	29.74
TC0800002077.mm.1		121.27	131.96	134.66	64.60	53.60	51.77
TC0800002352.mm.1		75.54	76.47	61.80	31.39	32.19	33.64
TC1000002312.mm.1		123.10	145.27	123.57	70.44	66.26	70.74
TC0100003495.mm.1		52.57	68.43	57.25	24.83	24.83	22.63
TC0100003492.mm.1		32.58	31.88	35.12	22.41	23.62	22.10
TC1200001163.mm.1	Gm22205	301.06	410.04	287.58	86.64	72.75	90.77
TC1200002055.mm.1		638.64	651.61	706.64	437.61	412.15	451.07
TC0200003714.mm.1		88.65	95.59	90.90	59.47	63.12	65.65
TC0200004609.mm.1	Gm14043; RP23-358G23.3	3022.81	3086.53	2910.22	1626.56	1636.28	1899.66
TC0600000011.mm.1		14972.22	15699.23	13926.29	4319.52	3344.05	4993.45
TC1300001916.mm.1		47.06	55.84	51.04	30.77	30.12	30.57
TC1200000191.mm.1		32.99	29.95	29.62	20.89	19.27	19.89
TC0600003013.mm.1		59.97	53.61	53.18	30.79	31.99	34.67
TC1200001150.mm.1	Gm23600	372.04	391.39	376.69	124.25	121.99	165.55
TC1000001342.mm.1		2436.85	2413.65	2363.78	1505.64	1270.77	1277.40
TC1700000011.mm.1		40.09	44.97	41.76	28.68	29.90	29.36
TC0200004345.mm.1		359.35	295.55	298.05	81.55	114.45	96.72
TC0400000848.mm.1	Gm12415; RP23-229A22.3	38.08	34.25	34.29	21.92	22.82	20.34
TC0200005293.mm.1		346.36	353.04	296.26	183.31	174.31	163.98
TC1100002093.mm.1		87.32	74.78	84.48	46.42	49.57	44.71
TC1700002390.mm.1	4930405O22Rik	43.41	47.05	40.60	27.89	28.70	27.91
TC0X00003095.mm.1	Gm5762	100.15	102.12	92.66	63.31	69.30	65.75
TC1300001172.mm.1		5693.97	8504.95	6473.52	1818.52	1707.28	2050.05
TC0100000432.mm.1		6028.10	6232.70	5292.36	3382.94	3080.46	3355.73
TC0600000098.mm.1		23091.12	22983.56	22102.19	15106.07	12921.21	14338.66
TC0100002366.mm.1	Gm23943	25461.78	28351.28	29138.19	17136.23	17121.93	18215.65
TC0600002766.mm.1		38.12	42.37	37.62	20.41	16.17	18.55
TC0400000200.mm.1		14118.35	15428.98	14730.02	10624.54	11121.18	10397.85
TC0900001160.mm.1	Gm22866	12140.99	11174.31	13715.38	5605.33	4383.93	4749.17
TC0200001689.mm.1		53.23	53.03	58.17	40.16	38.59	40.11
TC1300001772.mm.1	Gm6093	82.55	86.05	74.65	40.30	33.53	40.93
TC0900000594.mm.1	Gm11149	36.13	34.92	33.65	27.35	25.60	26.51
TC0800000442.mm.1		51.84	58.82	55.84	38.90	37.18	37.73
TC1900001690.mm.1		3994.29	4231.43	3804.16	2347.01	2158.73	1926.08
TC0600002832.mm.1	Gm20705; RP23-333F8.1	45.54	53.73	41.64	22.87	22.70	21.89
TC1600002113.mm.1		32.48	30.63	30.84	24.38	22.44	23.34
TC0100001499.mm.1	Gm16588	334.00	377.05	332.18	183.80	169.57	147.21
TC0400000475.mm.1		107.68	137.97	129.12	51.08	53.31	59.30
TC1300001236.mm.1		30.21	37.13	35.70	18.91	18.68	18.83
TC1500000092.mm.1		121.29	135.96	126.37	53.09	47.86	63.82
TC0X00001711.mm.1		74.81	78.87	91.15	47.16	46.04	46.26
TC0X00000746.mm.1	Gm15384; RP23-252K7.9	1314.09	1419.99	1398.90	1042.59	973.95	957.55
TC0300001277.mm.1		88.41	99.21	90.48	66.99	64.20	64.90
TC0300000911.mm.1		14.29	13.96	15.34	9.56	10.11	10.51
TC1500002068.mm.1		25.21	25.54	26.02	19.04	17.14	18.97
TC1200001152.mm.1	Gm25357	308.21	290.33	213.99	89.94	80.06	72.13
TC1100000447.mm.1		111.49	132.59	112.37	61.35	64.31	68.78
TC1500001209.mm.1		73.63	63.66	69.15	45.00	40.47	42.15
TC0900000087.mm.1		62.43	75.02	74.22	41.02	39.66	40.55
TC1200001185.mm.1	Mir376a	94.17	88.60	105.11	40.86	50.58	47.11
TC0X00000583.mm.1	Gm24598	5755.15	4652.04	5125.98	1596.16	976.25	1270.55
TC0400002734.mm.1		180.37	169.30	151.57	82.52	78.56	94.14
TC1100001699.mm.1	Gm22683	28.92	27.84	29.28	21.47	21.94	19.85
TC1500000456.mm.1		84.92	83.74	80.37	53.18	60.45	53.96
TC0200001270.mm.1		22106.90	21873.74	22305.20	14508.99	12615.49	11907.08
TC0300001384.mm.1		42.42	47.52	38.59	25.01	24.66	24.33
TC1300001559.mm.1		7463.48	7415.57	7951.38	5710.79	5674.91	5249.23
TC0700001104.mm.1		2459.37	2685.55	2828.73	1591.75	1387.48	1595.40
TC1500001157.mm.1		108363.10	119628.90	104092.80	73339.27	66591.32	66400.46
TC0400004056.mm.1		27.52	30.84	27.04	16.68	15.61	18.05
TC0300002359.mm.1	Gm24046	747.99	690.10	807.45	399.86	365.04	438.19
TC0600000305.mm.1	Plxna4os1	17.88	17.86	16.20	11.53	10.77	12.04
TC0500002961.mm.1	Gm5871	727.66	760.55	711.88	566.05	596.25	560.82
TC0800000524.mm.1	Gm15878	286.60	291.37	329.16	168.45	136.54	157.10
TC1300001904.mm.1		2276.20	2235.82	2235.10	1568.42	1329.15	1365.44

TC0900000557.mm.1		23.40	21.39	22.62	16.33	17.40	16.95
TC0300002757.mm.1	Gm12521; RP23-316M11.3	1497.12	1418.01	1393.70	889.82	803.32	956.04
TC0X00002593.mm.1	Mir1906-1; Mir1906-2	84.10	84.47	94.95	53.03	44.96	51.22
TC1200001709.mm.1		52.23	51.69	47.55	32.31	28.91	33.43
TC0300000388.mm.1		47.92	61.90	61.95	24.86	20.09	22.25
TC1500001498.mm.1		497.15	693.02	555.30	220.77	245.62	230.04
TC0400000974.mm.1		33.38	37.77	35.84	19.11	21.08	17.07
TC1900000087.mm.1		157.56	137.53	118.03	34.44	44.35	48.71
TC0700001905.mm.1		1467.79	1563.86	1538.42	1015.08	893.30	843.47
TC1100000162.mm.1		111.45	92.21	103.82	60.54	59.79	54.66
TC0X00002686.mm.1	Gm14801; RP23-418O17.1	191.85	183.87	175.11	125.52	108.51	109.10
TC0600000332.mm.1		103.21	102.45	88.55	49.67	43.78	54.18
TC0300001276.mm.1		56.65	68.11	64.30	32.52	37.45	34.62
TC0200003040.mm.1		99.48	111.33	96.70	57.95	62.93	65.99
TC0900003213.mm.1		107.87	140.68	128.12	58.52	51.85	46.94
TC1700002605.mm.1		129.34	146.61	131.52	53.94	52.06	69.33
TC1800000600.mm.1		296.75	350.48	236.57	78.05	59.17	85.91
TC1800000031.mm.1		68.52	80.54	54.07	17.89	17.06	22.70
TC0100001696.mm.1		265.74	281.14	247.32	143.90	123.68	153.49
TC1100000810.mm.1	Gm12281	30.83	31.06	29.09	21.84	23.81	22.01
TC1500000857.mm.1	Gm23737	205.04	194.43	222.36	107.10	103.57	83.39
TC0600001583.mm.1		119.80	118.30	122.86	84.91	83.21	93.50
TC1300000437.mm.1		111.28	126.83	105.47	70.80	66.94	64.15
TC0900002258.mm.1		91.12	105.49	97.03	29.07	39.96	40.51
TC0300002981.mm.1	Gm25042	45460.18	52096.08	48480.46	31863.93	28509.33	31794.86
TC0X00002744.mm.1		24.34	27.10	25.31	18.68	16.87	17.47
TC0300001762.mm.1		106.01	106.62	90.14	53.14	48.22	57.70
TC0600003170.mm.1	Gm7308	13334.18	12351.26	13709.41	9643.03	8917.62	9544.99
TC0600001726.mm.1		3097.43	3010.93	2917.35	1910.23	1974.83	1649.57
TC1600001534.mm.1		269.35	320.66	280.01	187.91	180.82	181.99
TC1300002345.mm.1	Gm24519	31.38	34.76	34.55	25.37	25.31	24.63
TC0X00002483.mm.1		29.60	31.36	28.21	21.04	19.07	21.08
TC0900003202.mm.1		489.87	595.34	494.34	312.28	295.36	303.20
TC1100000209.mm.1		171.62	217.00	194.65	110.20	102.58	98.71
TC1700002606.mm.1		35.33	40.81	36.93	20.48	23.49	23.47
TC1300000079.mm.1		48.38	50.81	50.46	33.35	37.57	33.03
TC1000002513.mm.1	Gm17151; RP24-121A12.3	382.56	396.83	396.47	303.76	269.37	292.31
TC1100002927.mm.1		158.88	162.60	171.13	114.58	114.47	126.50
TC0X00002206.mm.1		710.12	635.43	594.61	371.43	300.58	312.19
TC0X00000841.mm.1	Gm14763; RP23-311G7.2	800.60	882.84	780.35	535.98	521.63	581.64
TC1500001513.mm.1		190.14	281.15	183.25	58.15	53.43	69.16
TC0X00001177.mm.1	Gm14928	717.98	702.35	739.29	526.94	452.89	499.76
TC1900000303.mm.1		289.40	299.83	285.85	163.45	173.80	199.53
TC1100002239.mm.1		17212.51	17005.76	16324.98	11786.41	10334.50	11948.57
TC0300000941.mm.1	Gm24136	3155.58	2685.48	3193.53	1535.69	1211.73	1499.05
TC1500002178.mm.1	Gm19664	68.67	68.53	77.51	49.79	46.11	49.71
TC0300000390.mm.1		25.15	25.61	28.58	14.43	17.04	16.19
TC1300000945.mm.1		54.33	45.45	40.57	22.96	21.25	23.47
TC0400000637.mm.1		89.46	100.05	78.03	49.77	49.27	46.12
TC0800002476.mm.1		64.52	82.98	60.38	30.45	26.49	24.23
TC1400002343.mm.1	Bmp1	8875.67	9414.19	8020.84	5469.55	4980.69	5694.36
TC1100000122.mm.1		4625.91	5660.95	4613.72	2747.41	2607.13	2889.34
TC0400002814.mm.1		284.74	355.09	261.15	76.90	83.61	114.12
TC0300003112.mm.1		4692.71	5332.93	5182.02	3498.33	3185.65	3041.12
TC1500000149.mm.1		13113.53	13708.52	13010.87	8832.27	7182.68	8276.82
TC0800001304.mm.1	Gm16349; AC122807.3	65.97	75.40	73.54	45.78	38.05	38.88
TC0900000901.mm.1	Gm19304	41.21	41.65	40.61	26.43	29.79	30.53
TC0100001323.mm.1		131.31	138.87	122.03	83.70	68.61	76.88
TC1100000089.mm.1	Gm11402; RP23-198N14.4	170.86	197.22	170.29	111.83	117.63	121.64
TC1300001304.mm.1		97.99	108.36	83.39	53.49	52.34	51.20
TC1300001310.mm.1		38.75	34.02	40.71	21.66	23.48	20.02
TC0200003855.mm.1	Gm13685	2108.75	2271.51	1996.13	1514.00	1354.41	1452.37
TC1200000196.mm.1		148.25	135.37	157.09	87.78	99.58	94.96
TC0700003882.mm.1	Gm25171	64910.45	72899.04	74425.13	50470.83	49682.68	47539.17
TC0800000949.mm.1	Gm25110	64910.45	72899.04	74425.13	50470.83	49682.68	47539.17
TC0800001606.mm.1	Gm25775	64910.45	72899.04	74425.13	50470.83	49682.68	47539.17
TC1600000569.mm.1	Gm24795	64910.45	72899.04	74425.13	50470.83	49682.68	47539.17
TC0600000138.mm.1	ST7-OT4_3	121.90	110.01	122.38	81.31	88.46	83.15
TC1200000213.mm.1		37.47	35.75	33.63	25.95	26.40	27.71
TC0500002514.mm.1		93.17	108.76	93.64	59.20	65.64	61.59
TC0700003533.mm.1		18074.41	19272.57	20921.03	11073.85	8435.74	8931.63
TC1700002604.mm.1		126.24	152.48	111.52	62.14	55.02	62.05
TC0300002663.mm.1		35.05	39.68	39.22	24.30	24.41	20.98
TC1100004162.mm.1	Gm11747	104.58	112.46	114.01	85.80	78.97	84.26
TC1700001443.mm.1	D17Ert648e	32.73	34.25	34.23	25.24	27.61	26.99
TC1500000015.mm.1		8018.48	8246.26	8546.57	5827.03	4964.00	5692.72
TC0700001010.mm.1		59.59	65.75	67.73	33.04	39.81	39.12
TC1900000558.mm.1		141.83	133.74	144.79	96.10	86.71	101.12
TC0900000085.mm.1		2750.14	4063.20	4025.16	1150.98	1343.97	1253.01
TC1100000444.mm.1		177.80	214.17	173.99	63.35	62.83	87.55

TC1600000636.mm.1		72.59	87.05	84.64	36.77	41.31	46.42
TC0900000084.mm.1		114.27	133.95	104.36	51.60	56.78	63.19
TC0200000796.mm.1		104.82	117.93	101.92	68.56	57.93	56.64
TC0200000789.mm.1		29.80	31.27	26.94	19.59	20.05	17.95
TC1000001777.mm.1		72.46	65.36	69.12	31.87	23.70	33.43
TC0900002665.mm.1		4768.70	4840.51	5007.52	3168.90	2484.55	2835.30
TC0800002478.mm.1		76.58	100.01	68.94	34.79	32.01	34.86
TC0600002836.mm.1		97.71	113.72	108.60	45.01	60.18	50.62
TC0600002598.mm.1		18.07	22.74	20.17	12.20	12.11	12.35
TC1400002190.mm.1		61.40	56.09	65.15	30.62	36.22	37.14
TC0300000100.mm.1		44.57	47.49	47.57	25.94	28.30	31.98
TC0300000568.mm.1	Gm10040	850.73	948.77	863.16	590.62	573.71	649.97
TC1000001682.mm.1		318.56	330.61	278.45	170.28	136.86	169.88
TC0900002536.mm.1		89.38	99.35	82.81	60.78	55.23	57.57
TC0100003705.mm.1		123.35	141.42	116.86	65.09	71.97	77.89
TC0500002510.mm.1	Gm23183	46.95	54.82	45.87	29.91	27.96	31.74
TC1700002609.mm.1		110.71	117.88	102.84	67.18	59.50	72.21
TC0700004331.mm.1		35.81	34.71	35.38	26.31	22.89	26.13
TC0900000905.mm.1		44.10	34.40	38.73	21.04	22.92	20.18
TC1100003198.mm.1	Pafah1b1	541.80	502.71	517.21	385.65	411.44	419.95
TC0900000086.mm.1	Phxr4	547.50	656.15	490.34	186.28	136.83	213.64
TC1300000436.mm.1		234.19	271.66	239.83	160.32	165.47	143.88
TC1000001855.mm.1		196.35	180.38	147.26	62.55	83.51	66.92
TC1600000003.mm.1	Gm23215	6730.67	8227.23	6503.87	4194.48	3814.42	4001.16
TC0600002817.mm.1		25.05	27.27	27.99	20.19	19.18	20.61
TC0600003436.mm.1	Gm15720	21408.82	17844.95	21020.40	12745.46	13318.19	12610.91
TC0600002867.mm.1		31.55	23.87	31.62	14.46	14.64	14.56
TC0500000338.mm.1	Gm5864	52197.53	53667.73	50359.19	40454.28	36247.88	40159.38
TC0200001425.mm.1	Gm13815	321.24	342.99	355.44	256.46	245.97	267.78
TC1700002448.mm.1		28.06	25.06	26.33	15.61	18.55	17.32
TC0400002751.mm.1		312.61	284.84	340.99	200.06	209.26	214.69
TC1200001839.mm.1		73.99	69.57	71.53	49.62	54.16	46.06
TC0200003105.mm.1		42.26	43.87	44.21	31.36	30.87	26.71
TC0X00001066.mm.1		82.36	72.22	94.35	46.39	47.25	43.17
TC0300003072.mm.1		29.56	33.42	31.55	23.01	20.56	22.51
TC0X00002757.mm.1	Gm9115	929.60	813.86	763.67	546.07	538.38	552.78
TC1200001148.mm.1	Gm24899; Gm26945; RP23-204I16.2	32.01	37.45	38.19	23.80	24.13	23.36
TC1200000363.mm.1		56.01	61.89	46.71	26.75	29.60	24.73
TC1800000941.mm.1	Gm16147	253.46	269.17	279.06	158.60	134.36	170.97
TC0500000264.mm.1		63.52	66.91	60.71	48.04	46.46	50.75
TC1800000485.mm.1		235.25	231.95	219.53	167.50	175.87	185.57
TC0100001434.mm.1	Sec16b	69.98	71.49	62.12	41.00	35.99	43.88
TC1000001857.mm.1	Gm26528	82.69	83.47	75.99	61.80	56.09	54.85
TC1900000245.mm.1		26841.30	27860.82	28116.31	19255.66	15858.81	18571.42
TC1400001955.mm.1	Gm23470	142.84	143.68	133.23	83.94	61.07	69.02
TC0100003755.mm.1		58.12	72.56	65.93	34.97	38.61	40.22
TC0200000233.mm.1		9143.88	10192.84	9184.60	6907.67	6949.25	7388.00
TC1200001318.mm.1		84.24	89.28	73.21	53.78	49.13	47.32
TC0600000334.mm.1	Gm19966	50.57	54.16	42.73	23.53	19.68	25.99
TC0800001308.mm.1		26.73	24.90	26.96	19.85	17.25	18.91
TC1400001258.mm.1		69.63	81.41	64.37	39.55	32.86	39.68
TC0X00001357.mm.1		16263.06	16557.67	16436.45	11060.05	9047.51	10996.57
TC0600002827.mm.1		155.64	167.06	154.51	57.30	55.83	82.76
TC0300000389.mm.1		402.41	626.70	600.50	182.29	151.51	123.07
TC0200002730.mm.1	Gm16356	132.28	138.81	135.25	108.63	98.45	94.86
TC0100003555.mm.1		3173.56	3458.75	3055.56	2073.58	2379.54	2196.22
TC1300002393.mm.1		46.88	59.53	63.93	28.15	29.48	29.63
TC0700004436.mm.1	Gm19514	60.53	79.24	76.17	31.39	36.51	27.41
TC0700004439.mm.1		41.38	34.94	42.59	23.38	23.52	25.94
TC1100003243.mm.1		26.25	25.64	23.75	18.24	19.86	18.01
TC0800003064.mm.1	Gm17709	735.87	632.47	642.21	360.51	439.61	403.15
TC0300000251.mm.1		12221.10	12787.64	11899.95	9192.62	7831.87	7789.77
TC0800000591.mm.1	Gm15758; AC109200.1	750.77	792.12	893.77	550.65	482.40	528.38
TC0100002694.mm.1		95.04	120.06	92.78	46.32	56.86	49.41
TC0300000562.mm.1		49.53	46.30	45.45	34.59	37.78	34.09
TC1100000123.mm.1	Gm11995; RP23-138G17.1	2880.74	3048.79	2982.16	1812.95	1525.57	1966.33
TC0800002076.mm.1		230.33	233.51	192.07	87.15	77.99	113.11
TC0200000402.mm.1		25.57	23.28	25.22	19.20	18.83	20.14
TC1300002726.mm.1		101.47	101.96	110.77	72.68	71.58	61.00
TC1300001426.mm.1		75.39	78.64	71.39	59.84	56.88	60.98
TC1800000381.mm.1	Gm24401	25.92	28.01	26.96	19.88	21.27	18.61
TC1700002670.mm.1		35.00	37.93	38.70	29.00	30.14	29.97
TC0300002512.mm.1	Terc	126.75	117.51	125.10	98.10	94.73	87.68
TC0900003265.mm.1		16.08	18.82	18.71	11.99	12.22	10.93
TC1500001328.mm.1	Snhg18	821.49	669.68	686.57	388.98	331.29	420.82
TC0X00000588.mm.1	Gm14670	152.63	159.20	154.48	127.51	120.49	112.58
TC1700000127.mm.1	Airn	48.10	55.08	51.91	39.50	36.21	37.06
TC1900001083.mm.1	Gm24543	368.29	394.11	403.34	230.49	234.19	279.00
TC0300001343.mm.1		37.28	31.28	35.37	23.23	21.98	24.27

TC1400000345.mm.1		6538.90	6927.20	6286.90	4334.19	3383.53	3412.91
TC0800000678.mm.1	Gm25403	138.25	117.11	107.62	63.35	45.57	52.97
TC0400000983.mm.1		4259.97	4158.39	4133.11	2984.63	2549.94	3045.97
TC1900000986.mm.1	Neat1	932.08	994.29	829.64	409.07	327.05	480.02
TC0900002948.mm.1		43.36	34.69	37.96	25.37	24.18	23.67
TC0200000277.mm.1	Gm20038	96.14	86.91	90.73	27.94	39.12	43.65
TC0400002886.mm.1		18.56	19.63	20.10	15.98	14.92	14.49
TC1200001191.mm.1	Mir544	40.48	46.49	47.12	24.37	29.73	24.99
TC0700000216.mm.1		617.48	560.31	508.65	356.78	286.55	315.13
TC0800002073.mm.1		23.13	28.17	26.34	14.34	15.26	17.00
TC1800000717.mm.1		63.46	55.35	62.91	30.74	24.16	33.71
TC1400000983.mm.1		34.58	39.48	39.69	25.89	24.72	21.87
TC0300001274.mm.1		99.25	141.74	109.90	55.57	57.85	57.08
TC0600002094.mm.1		19.23	20.51	18.86	14.91	16.11	14.82
TC0300002821.mm.1		33187.50	34542.32	32366.61	24540.44	20370.69	23197.31
TC0100003357.mm.1		20.68	20.54	17.85	13.93	14.32	14.33
TC0100003331.mm.1		154.63	172.36	159.14	97.82	80.00	103.01
TC0900000091.mm.1		81.33	76.38	65.53	44.06	34.12	38.90
TC1200002021.mm.1		88.65	94.09	86.21	62.72	50.29	57.66
TC0100002691.mm.1		45.53	55.70	45.58	23.72	28.95	27.88
TC0200002001.mm.1		20.87	21.76	19.87	16.41	16.79	15.29
TC1700000210.mm.1	Mirlet7e	270.36	320.94	241.70	138.35	120.82	152.39
TC1100003676.mm.1	Gm25048	28.70	25.48	23.94	15.61	16.17	17.99
TC0900000978.mm.1	Gm7265	62.27	59.71	52.78	37.20	40.79	40.77
TC1200000845.mm.1	LOC100861892	89.23	94.06	92.47	68.28	56.31	57.18
TC1300001215.mm.1		53.49	64.94	59.53	37.46	34.03	39.59
TC1200001508.mm.1		368.11	358.41	313.11	178.66	141.84	195.19
TC0X00002944.mm.1		21456.79	25635.78	19872.06	13362.21	11667.81	11115.78
TC0X00002822.mm.1		45.99	50.28	53.57	33.07	36.03	36.29
TC1800000383.mm.1		102.38	129.62	99.68	52.02	62.16	58.76
TC0100003100.mm.1	Gm19487	22350.43	24731.87	20544.05	13200.66	9897.41	12094.01
TC0200004526.mm.1		52.99	54.08	54.98	31.05	29.34	37.82
TC0800001065.mm.1		23.01	25.07	23.67	18.63	18.74	16.83
TC0700004437.mm.1		35.87	32.77	36.89	21.73	18.67	15.85
TC0900001233.mm.1		9994.06	12141.00	10587.65	6943.37	5562.51	5728.66
TC0300000592.mm.1	Gm10780	12858.60	13534.18	16250.70	8068.41	6289.99	7535.17
TC0600002223.mm.1	Gm7887	3189.30	3379.91	2980.80	2444.43	2494.18	2531.33
TC0300000130.mm.1	Gm23330	30792.04	28520.27	34310.07	20025.86	15769.16	17372.48
TC1200001161.mm.1	Gm23787	138.28	130.66	86.42	44.46	44.90	39.49
TC1000001837.mm.1		26.65	29.08	29.88	21.31	18.12	19.03
TC0200000029.mm.1		50.27	64.47	49.60	29.88	32.11	30.42
TC0600000383.mm.1	Gm20022	120.02	130.46	137.65	80.56	80.02	93.84
TC0200003094.mm.1	Gm13356	55.40	67.64	57.64	40.15	36.01	39.06
TC1800000056.mm.1		46.03	51.14	50.90	38.88	35.76	37.94
TC0900000227.mm.1		56.71	69.89	59.64	40.46	34.10	35.19
TC1700001566.mm.1	Gm7809	213.29	200.43	221.51	161.97	155.08	140.52
TC0600000312.mm.1		60.03	77.39	63.00	40.75	37.94	35.86
TC0100003702.mm.1		47.48	55.61	39.44	25.30	24.71	23.62
TC1100003216.mm.1		35.20	30.86	30.72	22.16	24.05	21.61
TC1200001181.mm.1		32.03	34.50	32.67	22.50	25.30	21.15
TC0400000197.mm.1	Gm11883; RP23-25B10.2	512.98	524.52	606.31	362.21	362.43	394.52
TC0X00003162.mm.1		48.92	47.29	43.07	33.50	36.34	34.53
TC1400000028.mm.1	Gm26898	38.70	42.55	34.91	26.46	27.11	25.66
TC0900000899.mm.1		71.95	93.02	70.31	29.14	40.31	32.00
TC0900003208.mm.1		47.03	63.26	55.21	31.08	31.89	28.71
TC1300001900.mm.1		2591.84	2830.64	2904.42	1888.57	1882.38	2134.55
TC0X00002958.mm.1	Gm26475	25117.42	28626.15	27401.52	20840.09	19692.49	20953.26
TC0500001900.mm.1		75.43	80.16	69.70	37.86	36.33	48.14
TC0100000797.mm.1		17.95	19.58	19.79	11.34	13.88	12.47
TC1400002839.mm.1	Gm3500; Gm3373	52.04	51.21	52.98	39.22	35.85	41.81
TC0700003443.mm.1		1163.88	1422.22	1076.64	522.07	418.29	606.07
TC0400001297.mm.1	Gm12840; RP23-99G21.3	1639.77	1712.33	1444.41	1121.14	985.71	958.33
TC1500001496.mm.1		77.46	107.21	84.30	40.93	37.81	47.54
TC1800000066.mm.1	Gm7497	368.65	368.83	350.03	271.67	229.97	221.85
TC0200001408.mm.1	Gm13785	55.41	73.19	58.79	31.56	25.52	32.92
TC1600001710.mm.1		19.70	22.59	19.28	14.37	12.22	12.29
TC0Y00000128.mm.1		17.92	16.55	15.36	11.66	12.17	10.73
TC1400001903.mm.1	Gm22637	152.14	161.28	131.90	63.31	62.19	85.59
TC1600001099.mm.1	Gm22862	7196.74	8161.02	8085.03	5763.57	5346.94	4939.65
TC1500001516.mm.1	Gm19551	184.64	256.49	177.93	77.35	97.09	73.48
TC1100002033.mm.1	Gm20014	377.51	444.39	420.65	302.09	271.12	291.20
TC0200001666.mm.1		125.95	145.22	141.72	93.66	81.31	95.66
TC0700002756.mm.1		49.04	44.79	45.48	31.61	26.86	32.84
TC0200003396.mm.1		3716.36	3646.42	3728.08	2602.64	2380.24	2023.67
TC1500001916.mm.1		78.83	91.27	79.16	61.15	61.26	58.25
TC1700002602.mm.1		80.15	81.74	66.38	37.44	30.68	42.58
TC0700001089.mm.1		30.20	27.30	30.56	22.51	23.65	22.89
TC1700000140.mm.1		189.61	211.21	165.77	83.48	73.35	104.34
TC0200002969.mm.1		362.46	389.00	372.81	236.44	260.95	285.47
TC1100000446.mm.1		86.13	92.85	89.67	38.46	53.51	36.92

TC0600002489.mm.1		45.17	40.80	40.00	28.81	29.72	32.47
TC1000001860.mm.1		204.51	180.43	140.58	62.44	84.50	67.15
TC1600001119.mm.1		199.49	225.79	207.77	134.08	113.12	142.50
TC0600002862.mm.1		79.03	111.57	87.07	46.91	47.01	40.17
TC1600001726.mm.1		279.34	337.42	261.05	152.66	161.01	180.67
TC0200004718.mm.1	Gm14063; RP23-109J20.1	879.33	912.91	896.73	668.99	638.98	738.46
TC0100003774.mm.1		40.01	38.53	40.21	28.29	31.97	31.63
TC0400004128.mm.1		54.56	50.69	57.20	39.53	43.12	41.38
TC0X00002130.mm.1	Gm14604; RP23-260P9.1	332.41	364.70	381.90	253.78	205.63	225.99
TC0900002534.mm.1		82.19	85.03	89.38	53.39	56.53	64.80
TC1300001491.mm.1		22.77	24.04	24.39	17.79	18.94	19.79
TC1800000601.mm.1		56.14	86.68	66.26	28.36	29.51	32.58
TC0100001342.mm.1		719.58	524.74	587.70	296.67	209.13	269.83
TC1200000820.mm.1	D030025P21Rik	75.77	73.87	64.70	36.44	24.06	33.43
TC0400002197.mm.1		630.67	721.80	672.04	430.05	341.18	427.35
TC1500000457.mm.1		163.66	124.77	119.12	66.56	51.64	65.44
TC0800001166.mm.1		221.62	267.19	268.20	164.98	134.96	142.20
TC1200001365.mm.1		306.58	327.73	361.24	245.39	248.66	236.77
TC0700000623.mm.1	Gm12757	60.14	58.05	58.09	44.38	49.59	44.07
TC0200002926.mm.1		29272.71	28876.22	27621.64	19764.74	17436.89	21425.92
TC1300001849.mm.1		88677.43	98027.07	86878.62	64125.51	51484.88	52207.36
TC1800000034.mm.1		66.09	94.32	70.41	23.02	20.60	33.18
TC0400002884.mm.1		69.97	91.60	85.55	36.47	39.29	26.52
TC1700001664.mm.1		66.53	86.62	73.57	46.92	45.89	47.40
TC1000002861.mm.1		40.65	41.54	38.12	31.06	33.71	31.30
TC1100000545.mm.1	Gm12197; RP23-121P11.4	620.14	645.11	647.17	460.80	373.66	445.29
TC1400002784.mm.1	Gm3020; Gm10409	79.43	82.45	80.93	57.71	53.91	64.43
TC0200005206.mm.1		27.99	29.33	31.72	21.77	23.23	23.41
TC0500000509.mm.1	Gm10025	82411.65	94754.58	83886.53	62647.65	54787.86	61998.63
TC1300000122.mm.1		57.39	49.55	56.42	29.75	29.45	36.97
TC0900002099.mm.1		86.27	95.25	82.31	38.57	54.33	42.03
TC1800001703.mm.1		18.43	19.46	19.26	13.82	14.48	12.05
TC1300001223.mm.1		25.09	26.93	21.27	14.44	12.53	15.19
TC0600001385.mm.1		171.66	210.57	211.81	82.17	73.95	108.84
TC0200001686.mm.1		103.13	113.55	108.21	76.54	67.47	81.04
TC0900002098.mm.1		56.87	64.74	61.54	29.49	38.47	27.50
TC1700002683.mm.1		36.46	38.96	28.11	18.01	18.84	18.82
TC1100000626.mm.1		61.95	58.06	61.02	47.46	41.81	47.46
TC0100000722.mm.1	Gm25754	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0100001888.mm.1	Gm24802	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0100002294.mm.1	Gm22419	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0100002671.mm.1	Gm22112	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0300001225.mm.1	Gm24744	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0300001226.mm.1	Gm26137	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0300001993.mm.1	Gm22029	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0300002791.mm.1	Gm25347	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0400000137.mm.1	Gm24567	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0400002099.mm.1	Gm22991	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0400002377.mm.1	Gm23304	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0700001493.mm.1	Gm25774	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0700001894.mm.1	Gm25778	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0700002324.mm.1	Gm26248	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0700003452.mm.1	Gm23844	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0800002026.mm.1	Gm23177	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0900001937.mm.1	Gm26190	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0X00001078.mm.1	Gm22102	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1300002157.mm.1	Gm24193	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1400001825.mm.1	Gm25208	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1400001835.mm.1	Gm25228	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1700000334.mm.1	Gm24427	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1700002684.mm.1	Gm22346	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1800000198.mm.1	Gm23606	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1800000478.mm.1	Gm24617	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC1900000180.mm.1	Gm24484	136591.10	160746.70	155402.80	108620.10	111258.00	101872.20
TC0200005292.mm.1		164.95	164.87	130.21	77.51	87.04	65.28
TC1200002051.mm.1		592.10	575.35	514.31	429.47	397.71	422.66
TC1500001495.mm.1		116.33	176.86	110.95	55.02	43.26	49.45
TC1600001969.mm.1		97.90	121.02	96.60	63.57	67.70	58.94
TC0800001367.mm.1		37.47	32.10	31.80	20.88	20.69	24.05
TC0600000217.mm.1		58.37	62.45	62.75	51.55	46.76	48.96
TC0900002535.mm.1	Gm19279	370.47	424.73	415.05	285.87	245.22	284.50
TC1700000129.mm.1		154.85	169.45	169.51	92.15	90.12	115.58
TC1700002254.mm.1		81.67	87.75	86.56	61.06	49.71	47.33
TC0400002813.mm.1		96.11	66.23	76.10	28.46	26.49	38.27
TC0600002864.mm.1		80.05	130.98	88.36	35.48	40.02	39.74
TC1100000438.mm.1	Gm22121	29.80	31.58	32.90	25.29	23.43	22.20
TC0100002535.mm.1		43.23	38.32	38.62	28.32	30.49	26.33
TC0700004434.mm.1		98.38	159.33	111.48	50.77	51.61	46.19
TC0X00003370.mm.1	Gm23197	21.51	19.88	17.28	11.95	13.40	11.73
TC0400000638.mm.1		78.31	107.32	107.51	52.94	48.70	45.74

TC0200003756.mm.1		52.24	59.17	53.74	39.90	34.59	40.09
TC0500002914.mm.1		25.30	30.19	28.84	20.02	17.22	17.15
TC0900000474.mm.1		3851.21	5027.67	4085.82	2634.90	2551.58	2695.60
TC0100002699.mm.1		1821.69	2238.57	1817.35	953.98	881.87	1185.86
TC0400000729.mm.1		117.39	143.78	112.79	58.05	39.79	58.81
TC1100002143.mm.1		601.30	733.17	671.41	448.51	357.00	377.86
TC0400001065.mm.1		90.48	104.91	99.94	69.82	72.99	63.23
TC1700002538.mm.1	Gm26749	59.17	62.09	55.53	46.14	44.46	40.46
TC0300001393.mm.1	Gm22468	133044.80	156187.60	153368.70	107606.10	107279.40	98727.97
TC0200003055.mm.1		121.35	128.53	114.43	52.53	58.61	76.03
TC1300001175.mm.1		121.88	128.47	91.64	36.79	53.09	49.00
TC0700001895.mm.1		30128.76	29629.93	27722.41	20735.42	15844.31	17254.73
TC1500001497.mm.1		120.86	174.60	148.06	57.35	56.72	76.14
TC0400001522.mm.1	Gm24621	143.90	168.47	152.57	105.65	103.00	117.07
TC1400000508.mm.1	Gm15562; RP23-36P21.4	86.01	117.07	86.25	49.21	53.92	46.88
TC0600000123.mm.1		74.87	68.35	70.27	51.49	54.37	58.28
TC1200001165.mm.1	B830012L14Rik; RP23-378G4.2	38.02	47.83	43.68	27.43	28.16	24.08
TC0X00000542.mm.1	Gm14888; RP23-150G4.2	2289.64	2194.15	2014.26	1241.48	896.87	1231.30
TC1700002138.mm.1	Runx2	185.34	177.65	154.12	125.68	117.55	121.44
TC0X00001260.mm.1		30.46	35.27	30.17	22.95	23.48	21.21
TC1000001251.mm.1	Gm25587	4350.51	5250.41	4857.51	3253.68	2587.54	2633.07
TC1200001502.mm.1		55.37	57.72	59.24	39.35	32.33	40.60
TC1200001517.mm.1		55.37	57.72	59.24	39.35	32.33	40.60
TC0600002866.mm.1		48.88	59.21	51.83	38.35	35.83	37.84
TC1400000208.mm.1		62.03	55.96	48.85	22.78	31.46	29.14
TC0200004717.mm.1	Gm14060; RP23-181O3.2	699.66	651.73	605.11	448.71	422.69	493.62
TC0400004172.mm.1		51.32	55.05	52.27	27.66	32.63	36.77
TC0200004197.mm.1		2272.05	2442.32	2227.30	1601.69	1291.70	1588.37
TC1300001108.mm.1	Gm5086	2584.7	254.82	173.74	95.20	88.83	109.39
TC1700000131.mm.1		50.01	62.94	61.21	33.19	29.02	36.34
TC0200000709.mm.1	Nr6a1os; RP23-334M3.3	38.84	36.78	37.53	26.59	24.61	20.46
TC1200001141.mm.1		32.94	33.11	30.78	19.14	23.91	19.31
TC1300001351.mm.1		716.04	880.46	742.29	464.87	364.45	462.40
TC0400000472.mm.1		60.86	67.37	51.49	38.00	37.96	35.89
TC1600002047.mm.1		373.94	419.37	420.83	254.11	176.63	208.76
TC1500000091.mm.1		29.95	25.02	27.73	14.88	14.82	18.71
TC0600002908.mm.1		40.23	40.39	33.23	25.28	26.57	24.71
TC0200000734.mm.1		351.11	376.20	355.46	258.70	278.21	297.11
TC0300000739.mm.1	Gm23054	74.96	72.26	87.25	54.33	53.41	47.70
TC0600000828.mm.1		40.43	42.21	42.15	33.26	35.02	30.76
TC0400000477.mm.1		68.61	93.67	66.51	33.67	39.75	39.08
TC1600000878.mm.1	Mirlet7c-1	55.64	66.77	47.70	26.84	16.32	18.47
TC1300002570.mm.1		23.00	19.81	21.02	16.12	16.78	16.21
TC0500002365.mm.1	Gm10048	223.50	265.90	239.35	175.55	183.17	168.86
TC0400003916.mm.1		59.67	53.52	54.12	37.07	32.89	40.90
TC1100000603.mm.1	Mir6920	75.15	79.26	63.96	50.79	47.47	45.46
TC1000000104.mm.1		41.59	48.37	43.99	24.89	31.58	26.45
TC0200002941.mm.1		70.58	64.40	57.78	44.02	45.83	46.32
TC0900000914.mm.1		86.33	93.51	91.91	49.82	42.57	60.03
TC1500001515.mm.1		105.71	161.08	111.79	35.81	51.17	50.42
TC0300001273.mm.1		265.93	293.17	237.14	136.18	113.53	160.38
TC1400000836.mm.1		48.71	52.16	50.67	42.91	40.06	38.16
TC1300000154.mm.1		48.11	42.12	36.15	19.32	24.51	23.44
TC0300001387.mm.1		122.55	110.36	103.97	75.25	61.22	74.49
TC0200001688.mm.1		74.30	80.00	66.53	49.22	45.53	38.70
TC1500000458.mm.1		22.88	21.75	27.62	16.22	14.42	14.74
TC0600002807.mm.1	Gm23510	5843.99	5322.73	6295.83	3881.97	2922.68	3006.74
TC0900002096.mm.1		54.73	58.09	55.72	36.69	38.05	44.46
TC1600000876.mm.1		124.82	221.97	158.13	63.60	56.46	64.68
TC0400001991.mm.1		123.72	113.54	121.36	94.47	80.82	90.30
TC1000002183.mm.1		422.13	399.54	369.52	307.57	263.79	269.96
TC1500000941.mm.1		58.12	77.83	66.48	42.78	38.36	39.23
TC1600001668.mm.1		46.04	60.85	55.11	34.34	29.38	29.17
TC1000002790.mm.1		15249.46	16588.10	13371.66	10201.22	9198.49	10389.88
TC1000001909.mm.1	Mir680-3	201.20	224.83	243.20	135.65	107.46	139.61
TC0200002222.mm.1		31.82	27.23	29.04	20.98	22.37	22.61
TC0800003241.mm.1	2610005L07Rik	1876.51	1950.74	1691.21	1259.87	1237.85	1420.06
TC1700002391.mm.1		18.50	16.12	17.22	10.85	13.06	11.45
TC0100000982.mm.1		973.83	866.35	909.41	520.83	502.46	652.78
TC0600001225.mm.1		353.73	432.85	378.25	267.80	220.03	244.46
TC1600000632.mm.1		30.34	31.73	35.98	15.62	18.06	21.32
TC0700003948.mm.1	Gm16464	6687.70	7433.02	6602.10	3638.63	3809.58	4809.13
TC1500001140.mm.1		142.70	177.82	139.00	62.21	32.54	51.64
TC1200000364.mm.1		339.15	396.03	385.98	137.23	151.32	215.23
TC0400003484.mm.1		99.75	102.78	87.06	65.62	53.78	50.06
TC0X00001734.mm.1	Gm15253; RP23-22L6.8	6768.89	8430.13	7453.65	5210.89	5012.13	5332.58
TC0300001383.mm.1		163.72	187.74	172.10	79.68	96.76	112.30
TC0600000056.mm.1		36.44	42.07	41.29	29.91	30.76	31.21
TC0200005067.mm.1		68.01	71.34	58.98	46.46	48.67	45.27

TC0500003695.mm.1		142.20	160.87	106.54	65.44	55.74	46.07
TC1700002546.mm.1	Gm17538	15901.72	18417.31	17684.58	13501.34	13574.80	13522.43
TC1100001059.mm.1		31.54	34.65	27.56	18.31	21.42	19.91
TC0800002080.mm.1	Gm19274	18.46	20.38	19.11	13.89	14.65	15.84
TC1500001635.mm.1	9130004J05Rik	141.98	146.12	145.13	108.76	99.69	118.55
TC0900002595.mm.1		257.72	242.66	229.55	164.16	146.24	181.79
TC1300000156.mm.1		30.58	27.53	26.18	21.43	19.10	18.52
TC1300001403.mm.1		4731.79	4685.11	4342.52	3668.72	3110.57	3377.61
TC0300000355.mm.1		191.94	255.43	177.33	82.62	102.50	106.31
TC0300001258.mm.1	Gm15400	73.60	73.18	69.47	58.30	54.26	61.20
TC0400000657.mm.1	Gm12529	84.77	76.84	67.85	54.50	50.98	50.20
TC0600002831.mm.1		48.78	53.66	57.07	29.62	36.19	26.89
TC1000000225.mm.1		307.06	448.26	302.58	149.64	106.36	149.67
TC0200001667.mm.1		60.75	58.29	60.79	46.75	45.44	39.09
TC0400000516.mm.1	Gm12424	598.95	620.34	538.46	429.03	425.65	465.85
TC0800002081.mm.1		25.22	25.93	20.62	14.14	16.26	14.62
TC0100000221.mm.1	D630036G22Rik	174.25	182.47	156.82	126.18	128.25	112.71
TC1200000379.mm.1		27.41	32.41	27.64	21.67	20.99	19.86
TC1400000997.mm.1	Mir320	164.28	189.73	153.00	119.48	107.17	114.86
TC0X00000938.mm.1	Gm14814; RP23-437A4.2	1066.72	1117.40	998.27	769.81	796.24	868.20
TC0400002195.mm.1	Gm11815; RP23-172G14.2	275.68	302.27	252.20	204.58	198.81	209.57
TC0100000156.mm.1	Mir30c-2	40.47	46.97	42.34	33.69	30.66	32.78
TC1700001304.mm.1	Gm19773	27.69	25.50	25.43	19.93	17.47	20.42
TC0200001175.mm.1	Gm13688	782.53	766.03	642.08	506.56	428.38	475.71
TC0400000335.mm.1		394.07	361.18	388.55	309.00	293.65	322.75
TC1300001220.mm.1		21.45	22.04	22.55	14.41	17.01	16.98
TC1200001136.mm.1	6430411K18Rik; Mir127; Mir433	69.70	86.73	63.77	40.76	34.25	42.62
TC0X00000394.mm.1		190.21	297.05	190.37	78.49	80.35	102.05
TC0700003063.mm.1		1085.29	1145.85	941.32	439.93	247.04	424.90
TC0500003697.mm.1		110.76	101.81	81.83	43.05	27.84	43.83
TC0800001553.mm.1		43.39	34.14	35.75	25.38	25.08	24.54
TC0400001191.mm.1		54.82	72.40	63.24	34.93	32.91	40.67
TC0500000304.mm.1		40.52	39.33	34.69	28.42	29.76	28.97
TC0700001384.mm.1	LOC100861604	316.21	277.44	281.20	188.57	135.88	170.24
TC0200001500.mm.1	Gm13804	61.97	57.14	66.67	47.26	46.59	42.30
TC1900000671.mm.1		22.04	22.95	25.39	16.08	16.66	18.40
TC0100000518.mm.1	Gm20342	112.75	113.47	103.91	93.80	86.19	88.04
TC0200002046.mm.1	Gm25704	223.48	230.61	244.91	178.47	142.50	154.52
TC0600000086.mm.1		300.91	373.95	374.21	235.20	201.70	195.37
TC0300000327.mm.1		9578.43	11646.23	10317.78	7451.72	6048.40	6518.09
TC0200003615.mm.1		64.18	80.40	71.62	41.41	50.05	43.83
TC0400000223.mm.1	Gm25173	24853.69	23423.50	26193.91	20328.31	18313.44	19725.87
TC0500002689.mm.1	Gm25211	24853.69	23423.50	26193.91	20328.31	18313.44	19725.87
TC1100001603.mm.1	Gm26324	24853.69	23423.50	26193.91	20328.31	18313.44	19725.87
TC1200001300.mm.1	Gm23732	24853.69	23423.50	26193.91	20328.31	18313.44	19725.87
TC1200001425.mm.1	Tubb2a-ps2	338.38	337.28	313.30	203.04	163.71	224.24
TC0300001675.mm.1		63.06	83.98	77.30	40.70	33.19	26.60
TC0200003478.mm.1		398.97	570.77	428.41	198.15	227.71	254.77
TC1800000722.mm.1		54.49	83.04	70.38	34.81	36.09	33.58
TC0300000632.mm.1		101.33	119.63	65.97	37.02	32.34	34.88
TC0700000603.mm.1	Gm24766	22788.33	27742.43	24490.64	18072.95	15270.16	16489.57
TC0700000606.mm.1	Gm25817	22788.33	27742.43	24490.64	18072.95	15270.16	16489.57
TC0100000801.mm.1		35.38	32.58	30.11	24.56	25.76	24.83
TC0X00001167.mm.1		52.43	51.57	52.41	34.45	27.19	36.16
TC1200000445.mm.1	Gm22220	636.91	550.55	532.37	427.06	405.63	381.10
TC1800000913.mm.1		8987.89	8262.60	9147.28	5185.38	3179.71	3562.45
TC1300001319.mm.1	Gm10734	42.46	42.38	39.45	27.73	31.62	32.71
TC1200000366.mm.1		46.49	51.62	46.51	34.01	35.40	38.99
TC0100002279.mm.1		292.65	506.50	253.83	85.34	110.08	105.33
TC1200001160.mm.1	Gm25856	78.65	118.69	94.53	48.73	51.69	43.77
TC1200000637.mm.1		22.07	18.66	21.85	15.29	14.95	15.78
TC1900001087.mm.1		162.72	138.02	173.04	91.71	93.58	69.97
TC0500002318.mm.1	Gm5292	3949.76	3715.83	3819.02	3190.97	2725.71	2923.96
TC0200001469.mm.1	Gm13800; RP23-246E11.1	249.54	216.75	253.46	159.96	133.42	165.90
TC0800003221.mm.1	Gm21811; 2610005L07Rik	12654.92	13771.17	11645.20	8947.34	7565.86	8989.69
TC0600002778.mm.1		7157.04	6578.75	7431.52	5013.66	3742.44	4034.29
TC0X00000540.mm.1	Gm14646; RP23-44A17.1	397.19	350.60	361.66	237.58	176.82	231.84
TC0X00000239.mm.1		111.24	141.99	124.87	83.04	78.17	87.25
TC0100002280.mm.1		705.01	1312.61	747.91	198.51	163.63	297.41
TC1700000174.mm.1		99.22	87.26	75.90	42.69	55.15	41.89
TC0400002653.mm.1	Gm22042	33216.17	30453.32	33224.29	23457.74	17623.88	19008.38
TC1600000682.mm.1	Gm15640; RP23-244J23.1	153.17	132.84	115.37	83.23	66.14	77.33
TC1800000087.mm.1	Mir1b	179.67	178.25	146.86	107.88	117.14	98.53
TC0100001116.mm.1		197.57	178.30	189.99	131.16	118.93	146.36
TC0900002257.mm.1		23.80	16.41	19.07	10.67	11.10	11.01
TC0700000111.mm.1		28.36	29.49	29.65	23.29	22.78	25.54
TC1300000767.mm.1		1380.76	1652.91	1302.98	912.17	907.70	1007.45
TC1000001775.mm.1		89.33	102.28	77.30	51.49	43.74	55.71
TC1300000058.mm.1		21.75	31.74	28.03	11.82	14.21	14.54

TC0600002507.mm.1		19589.43	19534.28	17890.96	13918.95	11932.45	14432.91
TC0300002774.mm.1		305.98	322.49	366.28	242.44	212.32	199.40
TC1700001242.mm.1		144.16	152.86	135.39	100.85	98.90	115.30
TC0400003914.mm.1	Gm13050	11241.06	10638.62	10414.89	8788.15	7544.76	8388.62
TC010000349.mm.1		23.32	24.31	20.27	16.19	16.93	16.90
TC1500000940.mm.1		209.29	242.30	247.26	154.60	169.88	173.71
TC0800000967.mm.1	Mir7069	146.53	145.73	127.04	107.49	109.72	102.60
TC0600002824.mm.1		60.73	53.53	62.19	33.72	34.05	42.58
TC170000132.mm.1	Gm23833	44.25	51.53	50.70	33.91	26.31	31.37
TC0300001590.mm.1		136.62	123.27	100.31	75.79	70.01	66.25
TC0500002512.mm.1		84.35	79.75	92.53	50.76	63.56	53.01
TC1100000476.mm.1		3459.69	3324.88	3623.13	1981.29	1515.92	2221.00
TC0X00001615.mm.1		177.73	183.14	202.30	140.33	118.40	137.99
TC1200001943.mm.1	Gm29344; Gm7862	660.08	695.67	610.98	517.67	532.21	483.56
TC1400002786.mm.1	Gm3020; Gm10409	103.66	106.49	99.95	80.00	69.33	82.25
TC0X00001609.mm.1		167.51	184.17	185.24	149.32	133.96	135.77
TC0100000482.mm.1	Gm11581	189.39	128.76	151.06	84.39	88.49	78.99
TC1700001840.mm.1		38.44	38.66	34.47	30.83	29.57	28.64
TC0200000619.mm.1		428.51	586.46	465.44	274.84	281.51	310.23
TC0300002655.mm.1		428.51	586.46	465.44	274.84	281.51	310.23
TC0600001362.mm.1		428.51	586.46	465.44	274.84	281.51	310.23
TC1200000494.mm.1		428.51	586.46	465.44	274.84	281.51	310.23
TC1800001172.mm.1		428.51	586.46	465.44	274.84	281.51	310.23
TC1500000325.mm.1		18.47	21.58	16.90	12.73	13.30	12.65
TC0500001002.mm.1		62.76	62.97	56.89	30.16	24.26	37.99
TC0200002458.mm.1		56.62	54.62	49.17	23.19	34.39	28.58
TC1800000928.mm.1	Gm10557	29568.61	31883.70	28179.01	19437.99	19552.21	23357.30
TC1700002601.mm.1		67.59	89.26	76.87	52.11	48.65	45.69
TC1000002907.mm.1	Cnot2	2411.39	2539.85	2239.64	1731.95	1689.42	1942.69
TC0900000216.mm.1	Zfp809	779.62	718.93	607.77	407.44	296.83	397.59
TC0200000793.mm.1		67.75	79.96	71.05	53.61	48.95	43.55
TC0900001839.mm.1		45.08	40.47	41.80	31.30	33.62	35.13
TC0600001582.mm.1		68.47	91.75	70.65	43.43	48.63	45.33
TC1400000244.mm.1	4931406H21Rik	44.65	50.25	44.03	33.96	37.47	35.13
TC0900002481.mm.1		43.69	55.40	53.67	34.50	34.72	33.95
TC1400002787.mm.1	Gm3002	53.50	49.54	46.89	37.71	33.86	39.27
TC1100002337.mm.1		34.06	44.05	41.70	24.50	26.29	26.81
TC0300002789.mm.1		68.77	71.96	57.35	41.55	30.23	37.24
TC0100002795.mm.1	Gm26683	116.14	126.21	131.67	96.57	98.14	104.07
TC170000126.mm.1	Gm19270	190.58	197.35	197.95	126.98	81.49	92.90
TC1600001297.mm.1		218.21	265.88	236.67	173.82	156.82	176.01
TC1700000211.mm.1	Spaca6; Mir125a	160.48	183.77	158.85	113.17	97.62	122.02
TC0900003315.mm.1		105.64	112.28	103.24	63.00	44.03	64.13
TC1100003901.mm.1	Gm11663	841.97	958.00	780.55	644.07	580.36	594.09
TC1900000086.mm.1		45.87	63.51	67.23	28.07	20.80	28.94
TC1700002141.mm.1		40.83	55.54	42.13	26.14	28.43	24.10
TC0400000845.mm.1		40.10	45.31	52.54	23.65	29.37	28.28
TC1800001481.mm.1	Mir694	21.24	27.62	31.22	11.06	12.95	14.72
TC1000001267.mm.1		33.81	33.96	31.48	23.27	26.81	26.41
TC0400002425.mm.1	Gm25581	1257.50	1170.92	1196.38	964.14	857.16	777.07
TC0200001961.mm.1		129.55	135.27	126.57	112.34	102.00	98.35
TC0600003456.mm.1	Far2os1; RP23-285C21.5	51.38	50.02	61.63	37.13	38.36	33.18
TC1800000934.mm.1	Gm26682	43.76	43.31	38.41	33.73	33.95	33.26
TC1900001046.mm.1		150.23	196.11	146.87	101.67	102.17	100.48
TC0500001652.mm.1		221.58	250.40	301.06	161.38	163.05	162.58
TC0200002650.mm.1		23.58	27.74	25.42	18.49	19.03	20.38
TC1800000725.mm.1		139.11	149.77	100.64	60.37	41.77	59.97
TC1100000443.mm.1		237.34	345.22	218.19	122.46	74.56	79.41
TC0100000155.mm.1		231.59	346.50	253.55	128.25	118.42	152.18
TSUnmapped00000171.mm.1	Rnu1b2	23427.77	19029.31	23321.93	13515.29	9736.69	12557.66
TSUnmapped00000185.mm.1	Rnu1b1	23427.77	19029.31	23321.93	13515.29	9736.69	12557.66
TC0100002872.mm.1		528.78	663.85	549.31	358.00	264.10	340.40
TC1800000032.mm.1		43.62	61.96	52.74	23.63	31.26	23.59
TC0100001194.mm.1		66.95	74.39	71.42	52.30	49.28	58.05
TC0200001893.mm.1		3100.23	3643.38	3402.62	2392.10	2644.23	2593.63
TC1200002378.mm.1		730.49	782.15	787.71	358.64	172.16	273.95
TC1800001646.mm.1		43.63	47.64	46.09	33.20	37.61	31.48
TC0X00000393.mm.1		222.06	248.12	207.29	68.36	44.40	99.69
TC0400000202.mm.1	Gm11886; RP23-335F19.1	817.65	863.91	776.26	549.19	463.20	604.85
TC1900000383.mm.1	Gm9938	203.78	261.40	176.61	123.87	102.94	106.00
TC1200000170.mm.1	Gm22189	13157.38	15024.61	17111.24	9442.58	10554.14	9641.55
TC0500003558.mm.1	Gm20635; RP23-372N19.1	14.93	15.10	13.82	12.65	11.55	11.79
TC1600000344.mm.1		42.83	51.59	48.05	35.79	35.08	36.54
TC1700000324.mm.1	Mir5125	2613.97	2712.72	2438.93	1552.65	1453.12	1930.37
TC1100002499.mm.1		61.71	84.74	70.77	39.10	36.00	45.81
TC1900001370.mm.1		23.53	27.35	21.98	16.52	13.59	16.25
TC0300002941.mm.1		36.49	32.68	35.92	23.55	26.53	27.77
TC1100002581.mm.1	Gm12158; RP23-103H9.4	51.24	70.04	49.18	26.15	26.64	33.14
TC0200004092.mm.1		98.75	116.26	88.46	61.74	62.43	69.71
TC0300001480.mm.1	Gm17501	97.49	109.33	93.99	71.81	66.31	78.21

TC1400002434.mm.1		66.36	73.95	66.24	56.20	48.46	50.95
TC0600002017.mm.1		61.67	54.28	59.73	41.24	43.55	47.59
TC0500000342.mm.1	E230008O15Rik	80.14	92.79	71.70	55.35	56.05	56.01
TC1200001193.mm.1	Mir453	25.38	21.26	23.30	15.05	17.80	15.03
TC0900000217.mm.1		39.42	35.03	38.67	27.18	30.78	29.47
TC0900000083.mm.1		209.12	203.82	182.04	124.96	116.34	149.16
TC0200001401.mm.1		117.32	150.61	159.91	80.38	86.63	90.17
TC1100002321.mm.1	Gm12040	185.35	212.96	193.67	137.35	123.61	152.19
TC0500001899.mm.1		55.15	63.47	61.29	32.09	28.47	41.18
TC0300001440.mm.1		20.20	21.50	17.62	14.92	13.72	14.45
TC1200000558.mm.1		26791.70	28573.74	25203.26	19221.48	15269.96	19005.59
TC0900002626.mm.1		34.52	33.98	29.82	17.72	18.20	23.59
TC1200001153.mm.1		28.44	34.70	37.33	15.51	21.40	17.41
TC0500000086.mm.1		40.37	41.56	40.19	29.32	22.73	20.44
TC0700001445.mm.1		142.18	145.09	123.33	93.13	79.55	99.30
TC0800002299.mm.1		9744.94	11418.92	9453.27	5645.28	6981.83	6916.84
TC0X00000324.mm.1	Gm6274	1881.19	1841.22	2206.69	1266.79	966.30	1270.55
TC0100000173.mm.1		13710.75	13472.22	13788.02	9198.54	6148.52	7871.20
TC0X00002477.mm.1	Gm8666	553.17	566.32	523.90	418.05	470.60	413.91
TC0900002210.mm.1	Gm24646	186.99	170.72	158.17	122.86	123.90	102.14
TC1800001374.mm.1		62.00	58.70	61.12	43.31	30.02	34.76
TC0500001119.mm.1	Gm8473	12.00	11.93	12.78	9.26	10.40	8.94
TC0300000650.mm.1		2674.75	2774.75	2798.77	1876.04	1415.67	1889.95
TC1500001627.mm.1		61.85	74.81	60.77	38.03	41.78	46.88
TC1400002321.mm.1		25.82	24.91	23.90	17.26	16.38	20.21
TC0100002545.mm.1		363.97	379.62	297.85	167.60	122.11	195.84
TC0X00000602.mm.1	Gm14693; RP23-24K4.3	70.19	79.60	84.50	50.69	53.99	59.57
TC0400002450.mm.1	Mir5123	1976.66	2345.94	1837.70	1053.63	993.68	1363.95
TC0700004139.mm.1		19.04	19.16	18.24	12.37	13.25	15.37
TC1400002250.mm.1		95.97	101.19	68.93	48.93	42.43	48.48
TC1000000115.mm.1		16021.84	17318.72	16874.65	11250.65	8150.46	10900.25
TC0X00001171.mm.1		12983.16	12462.14	12241.50	8920.40	7106.23	9201.02
TC0900001636.mm.1		27.42	29.23	29.15	19.99	18.46	23.10
TC1100000445.mm.1		45.82	63.74	54.71	26.63	34.24	30.35
TC0400002749.mm.1	Rpsa-ps11	223.66	196.52	205.38	173.24	159.93	154.32
TC0200005014.mm.1	Mir5111	67793.02	60342.27	58775.57	47999.94	41390.45	47259.96
TC1000001966.mm.1	Gm7909	134.86	148.73	143.96	115.71	103.10	95.03
TC0900000892.mm.1	Rora	71.35	73.35	67.96	55.27	53.92	61.37
TC0300001636.mm.1		53.57	65.45	58.29	43.04	34.93	39.79
TC0300002464.mm.1	Gm24920	75.38	62.49	78.50	39.70	44.49	50.25
TC1300001230.mm.1	Gm10737	233.14	332.55	183.32	86.32	112.44	87.39
TC0400001254.mm.1	Gm12953; RP23-233B9.5	45.65	53.20	51.70	36.90	34.29	29.14
TC0400000538.mm.1	Gm12437; RP23-141C15.4	244.25	218.74	206.95	158.23	142.26	171.11
TC0400001903.mm.1	Gm13135	23.15	26.42	25.61	20.94	20.23	19.98
TC1500001291.mm.1		18.67	19.74	21.92	15.56	15.99	14.50
TC0500002030.mm.1		47.65	52.85	50.72	37.34	40.29	42.42
TC0700000828.mm.1		100.93	78.63	95.04	64.53	56.45	53.89
TC0500001003.mm.1		393.14	607.95	378.94	219.50	217.82	201.28
TC0700002074.mm.1	Gm26143	251.52	234.75	166.50	100.06	100.10	122.00
TC0500002352.mm.1		78.29	102.02	84.01	59.77	46.57	49.70
TC1600001288.mm.1	Gm24927	20.67	19.98	22.69	17.61	15.80	16.41
TC0400003428.mm.1	Gm12956	14.58	16.08	17.34	11.63	12.76	11.62
TC1800000307.mm.1		41.87	57.17	44.63	24.94	27.89	30.53
TC1200001151.mm.1	DQ267102	9602.52	7301.84	9210.08	5544.22	4006.70	4643.29
TC1200000179.mm.1	Gm19960	167.97	181.81	148.72	117.63	96.60	115.52
TC0900000574.mm.1		129.94	146.21	107.10	79.47	81.34	83.45
TC0200001153.mm.1		23.17	20.43	23.14	18.44	17.85	17.52
TC1100003400.mm.1	Rpl9-ps1	914.94	943.03	1060.47	705.79	615.66	743.83
TC1300002635.mm.1		164.22	149.34	137.05	77.95	104.63	74.50
TC0X00003163.mm.1		35.68	41.25	40.65	31.34	29.35	31.26
TC1300001232.mm.1		29.54	32.07	26.44	22.89	20.80	20.71
TC0500001968.mm.1	Gm24054	46.18	54.83	56.24	34.23	34.51	39.51
TC0400002118.mm.1		345.14	379.99	353.53	230.71	156.73	217.03
TC0X00001346.mm.1	Gm8019	588.72	498.06	493.40	407.39	363.03	372.26
TC0100002268.mm.1	Gm24180	52.44	45.02	47.53	39.66	37.56	36.85
TC0100001325.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0100001326.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0100001327.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0200001569.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0200001615.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0800000456.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0X00000800.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0X00001094.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0X00001200.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1000001319.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1000002465.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1200000168.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1200001486.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1200001838.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1200002489.mm.1		394.98	557.89	473.78	231.60	167.39	257.65

TC160000722.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1800001393.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC1900001143.mm.1		394.98	557.89	473.78	231.60	167.39	257.65
TC0200003871.mm.1		98.10	119.14	107.24	70.31	74.58	82.87
TC1500001512.mm.1		133.85	126.13	114.60	87.99	65.28	80.80
TC0800001059.mm.1		28.81	25.45	30.76	22.18	20.47	20.83
TC0700003814.mm.1		75.89	75.97	76.26	52.65	47.96	61.54
TC0700001418.mm.1		150.32	209.40	164.72	84.87	78.39	108.06
TC020000746.mm.1		34.90	42.51	38.64	25.98	29.23	24.09
TC0100000838.mm.1	Gm15372	68.44	68.78	66.43	56.08	44.94	48.12
TC0500000123.mm.1		40.53	40.22	34.09	26.60	29.53	25.44
TC0100000051.mm.1		8093.93	10080.92	9294.98	6418.03	4839.94	4867.53
TC0500002011.mm.1		87.72	116.96	88.54	63.53	54.72	59.53
TC1300000155.mm.1		51.04	82.29	70.11	36.08	32.05	30.60
TC0400000737.mm.1		27.56	44.40	28.73	15.67	15.77	16.13
TC0200003567.mm.1	Gm13532	2978.87	2611.21	3425.11	1933.35	1927.90	2131.39
TC1900000288.mm.1		54.26	67.25	48.08	34.21	33.54	36.39
TC0200002845.mm.1		18.19	16.57	15.22	12.83	11.17	12.45
TC0800002345.mm.1		16.65	14.12	16.70	11.58	10.40	12.02
TC1600001717.mm.1		25948.81	30397.81	29701.57	21345.87	16770.52	19398.67
TC1700001338.mm.1		585.29	755.96	586.81	422.18	383.42	328.85
TC1200000518.mm.1		292.87	393.73	291.63	206.11	181.75	199.28
TC0300000793.mm.1		178.40	204.74	215.39	156.30	145.27	143.34
TC1000002860.mm.1		24.76	31.87	25.13	15.71	18.87	16.80
TC1600001669.mm.1		471.65	755.38	530.88	212.42	170.00	285.28
TC1200000344.mm.1		31.99	27.16	29.16	22.37	23.99	22.63
TC0X00000162.mm.1	Gm15027	7881.24	8052.52	7337.62	6379.33	5289.95	5838.36
TC0X00000163.mm.1	Gm14536	7881.24	8052.52	7337.62	6379.33	5289.95	5838.36
TC1700002607.mm.1		440.90	567.56	456.55	166.68	185.03	284.79
TC1400001509.mm.1	Gm20699	67.29	72.90	59.70	45.43	51.39	44.42
TC0800002365.mm.1		188.86	182.45	162.95	131.15	121.09	142.38
TC0700004594.mm.1		25870.16	28346.22	27458.91	18254.75	11509.71	14091.98
TC0200000865.mm.1	Gm13519; RP23-35D6.1	781.42	819.30	641.40	536.81	454.69	472.42
TC1300000941.mm.1		23.85	22.71	24.08	18.08	16.00	19.45
TC1100000482.mm.1	Gm12174	11607.08	9968.13	11406.52	7819.58	7340.70	8700.48
TC0100000843.mm.1	Gm15368	105.21	101.59	103.22	74.09	61.10	79.60
TC0400003367.mm.1		5012.43	5096.13	5111.66	3451.42	2512.73	2159.84
TC0100001666.mm.1		32.64	32.00	35.45	25.38	28.29	24.58
TC0600000189.mm.1		25.67	27.35	24.39	20.69	20.09	17.53
TC1100001762.mm.1	Gm11652	75.58	63.72	67.96	54.20	55.39	52.64
TC0900002636.mm.1	BC065403	34.88	34.22	36.34	26.86	24.75	29.74
TC0800002479.mm.1		45.80	73.57	60.02	30.55	31.80	29.82
TC0100000781.mm.1		97.76	110.06	96.70	76.59	66.62	79.28
TC1600001670.mm.1		101.40	114.30	101.61	58.76	77.68	56.19
TC1200000827.mm.1	Prox2os; RP24-89J3.3; Gm19357	50.12	53.54	51.92	44.38	38.59	37.55
TC0X00003080.mm.1	Gm7091	1939.56	1799.83	1900.67	1427.28	1504.22	1222.00
TC0900001794.mm.1		20.27	25.94	20.25	15.26	13.09	12.26
TC1600000356.mm.1	Morf4I1-ps1	96.37	128.81	89.10	59.38	63.15	60.04
TC1800001644.mm.1		66.00	107.88	77.82	40.43	32.40	41.88
TC0100001695.mm.1		60.11	79.12	88.30	32.05	44.19	30.73
TC0X00002363.mm.1	Gm14689; RP23-24K4.2	575.88	709.03	540.33	354.67	289.37	392.54
TC0100000837.mm.1	Gm15373	86.66	104.62	83.38	56.18	63.43	65.45
TC0300000439.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0600001731.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0600002537.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0600003306.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0900002567.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0X00000379.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0X00003344.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1400001128.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1400002705.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1500000481.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1800000768.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1800001570.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC1900001634.mm.1		250.53	248.09	262.37	139.10	110.90	173.02
TC0600002152.mm.1		22030.11	21241.13	22379.78	16633.40	11945.94	13340.63
TC0300000391.mm.1		61.98	93.65	61.15	37.54	32.79	26.87
TC1300000109.mm.1		24.97	26.10	22.94	20.14	17.25	18.94
TC0100001538.mm.1	Gm22992	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC0100001819.mm.1	Gm24092	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC0400003225.mm.1	Gm25123	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC0X00000510.mm.1	Gm22103	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC1400001826.mm.1	Gm25892	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC1400001836.mm.1	Gm23620	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC1400001901.mm.1	Gm25353	37182.27	43898.46	41036.86	28838.65	30677.53	32699.49
TC0100001544.mm.1		78.32	90.44	103.17	63.53	51.38	54.31
TC1300002591.mm.1		38.03	63.29	55.05	24.73	25.59	25.18
TC0600000589.mm.1		423.90	577.27	442.40	293.99	274.71	314.64
TC0700000253.mm.1		2055.36	2199.72	2212.44	1564.72	1109.60	1092.40

TC1200000333.mm.1		82.05	71.18	54.12	38.31	31.88	26.05
TC0X00000874.mm.1	Gm14778; RP23-335N15.2	476.24	439.96	464.63	325.34	252.12	332.20
TC1700000690.mm.1		5782.87	5516.52	5923.29	3496.78	2151.98	3160.82
TC0X00000232.mm.1	Gm25812	138.43	116.33	109.75	89.45	86.00	85.80
TC1600001958.mm.1		34.10	35.34	31.55	22.14	24.28	27.25
TC0300002588.mm.1		29.52	32.69	34.58	25.40	23.55	26.02
TC0200005374.mm.1		26.58	33.44	30.90	20.95	21.79	22.60
TC0900000886.mm.1		288.86	272.77	296.89	195.41	237.27	215.87
TC0500002511.mm.1		81.40	77.42	76.97	65.09	52.58	53.73
TC1800000716.mm.1		30.84	25.60	30.16	22.03	21.83	20.22
TC1300002480.mm.1		53.32	51.76	57.36	41.45	37.26	44.57
TC0100003267.mm.1	Gm7278	68.84	71.01	57.32	44.48	43.46	49.48
TC1600001614.mm.1	Gm15530	267.27	256.47	278.85	186.33	181.43	221.99
TC0400000182.mm.1		28.30	31.73	29.91	25.42	23.04	22.12
TC1000000070.mm.1	Gm25682	24345.99	23393.09	26748.34	17794.91	12467.58	15033.82
TC0600001240.mm.1		126.12	159.00	142.70	88.32	61.75	85.16
TC0100001709.mm.1		45.42	56.92	51.68	30.83	33.39	37.97
TC0800000636.mm.1	Gm26905	1982.83	2742.02	2058.85	1265.23	767.42	1005.37
TC0200003472.mm.1		71.82	96.08	69.07	49.61	45.76	48.28
TC1800000054.mm.1	Gm7502	365.88	344.51	377.08	312.90	272.93	277.55
TC0700003883.mm.1	Gm23550	46322.02	55267.10	49379.36	35232.19	39962.36	37660.28
TC0400002602.mm.1		5142.97	5523.00	5179.58	3497.21	3465.79	2479.06
TC0400004024.mm.1	Gm13204	126.79	130.15	120.09	109.99	98.38	97.03
TC1700002611.mm.1		133.42	144.84	131.89	88.96	72.17	100.13
TC0900000897.mm.1		54.59	54.69	50.30	24.70	36.66	32.17
TC0X00003094.mm.1	Gm15298; RP23-232B3.4	599.99	735.46	843.18	405.23	417.98	477.83
TC0700000455.mm.1		89.22	68.72	70.95	46.89	43.15	53.07
TC0200000774.mm.1	Gm13468; RP23-103G12.1	291.89	296.25	319.23	209.04	223.49	252.59
TC0400001834.mm.1	Gm13086; RP23-451D4.10	47.25	40.97	44.90	36.69	32.92	31.95
TC0200000638.mm.1	Gm13443	1891.57	1673.66	1308.52	1018.03	906.96	947.20
TC1700002704.mm.1		902.97	1067.78	703.85	487.10	518.93	501.70
TC1300000441.mm.1	Gm27387	292.61	297.58	289.20	253.73	214.26	215.94
TC0900002646.mm.1	LOC100861984	410.82	353.66	337.10	285.15	262.38	271.49
TC0400001511.mm.1		90.73	94.31	94.85	68.79	65.93	79.69
TC1400001304.mm.1		80.41	92.97	81.62	55.23	56.02	67.31
TC0800001364.mm.1		31.11	32.66	33.27	23.75	25.48	19.95
TC1700001324.mm.1		21.29	22.58	21.08	17.41	14.06	13.46
TC0300001305.mm.1		64.05	66.69	65.60	46.84	51.85	56.00
TC1300000419.mm.1		284.00	348.77	326.12	247.55	217.77	226.67
TC0100001575.mm.1	Gm26110	19928.76	16798.67	20696.59	11931.37	7074.06	7779.75
TC1200001143.mm.1	Mir341	53.42	65.47	62.75	35.65	23.27	34.41
TC0500002049.mm.1		43.24	34.97	41.71	29.68	29.31	29.66
TC1700001179.mm.1		195.42	142.73	132.39	81.97	83.70	94.90
TC0900001218.mm.1	C430002N11Rik	247.70	212.36	217.98	182.79	159.81	170.50
TC1200001669.mm.1		34.00	34.81	31.09	21.80	25.44	26.38
TC0300001804.mm.1	Gm15574	85.14	90.13	90.64	69.45	59.22	71.90
TC0900001676.mm.1		128.61	138.65	116.50	82.82	66.55	90.73
TC0100003358.mm.1		18.16	15.88	13.82	10.64	11.16	11.22
TC1300001454.mm.1		374.61	533.85	440.04	196.05	146.71	249.72
TC1700000135.mm.1		88.13	85.24	61.57	41.63	48.22	43.98
TC0900001994.mm.1		427.00	646.74	542.62	285.42	269.66	324.67
TC1200001509.mm.1	2410018L13Rik	56.71	59.63	58.82	44.94	36.67	45.60
TC1600000624.mm.1	Gm25873	88.13	74.41	67.32	54.17	51.69	46.73
TC0400002966.mm.1		66.51	75.71	59.95	42.68	26.93	34.81
TC0200004091.mm.1		208.95	265.69	208.13	125.16	158.26	140.13
TC0400000203.mm.1	Gm11887; RP23-335F19.2	474.55	547.17	431.14	335.43	351.54	358.46
TC0700003422.mm.1		31.75	33.02	32.32	24.77	21.54	18.00
TC0600002649.mm.1		35.54	37.02	32.43	26.82	26.50	29.57
TC0800001817.mm.1		158.12	133.26	143.84	110.17	113.30	118.02
TC0100002352.mm.1		44.87	55.27	46.04	34.02	36.39	30.88
TC0800002074.mm.1		88.15	82.87	59.23	44.63	43.25	40.98
TC0600000639.mm.1	Gm25818	3375.23	3552.76	3628.99	2282.39	1318.63	1437.91
TC1400000312.mm.1		84.63	85.80	75.39	57.02	46.08	60.44
TC0500000140.mm.1		53.51	56.81	41.95	30.42	28.92	34.59
TC0700003633.mm.1		1448.90	1778.25	1353.60	1021.32	749.52	896.56
TC1500002104.mm.1		25.75	32.64	28.17	19.00	19.32	14.83
TC0100000441.mm.1		60.72	70.43	68.58	47.57	48.31	54.68
TC0100000938.mm.1		70.20	68.22	62.08	41.44	44.72	53.21
TC1700002387.mm.1		30.09	40.32	33.25	23.45	20.49	23.27
TC0200001155.mm.1		3839.21	4693.98	3947.28	2913.99	2552.06	3093.07
TC1300001235.mm.1		15.96	25.38	20.17	11.14	9.89	11.39
TC1800000742.mm.1		85.58	73.60	64.24	47.07	36.55	47.72
TC0300002902.mm.1		23.49	18.38	22.72	15.34	14.82	15.38
TC0X00001568.mm.1	Gm8569	11.73	10.26	12.46	8.60	9.09	8.67
TC1000000999.mm.1		121.71	252.24	129.06	57.30	55.29	40.54
TC0X00000868.mm.1	Gm14789; RP23-57115.2	2745.01	2978.94	2745.96	1652.90	1375.17	2050.88
TC0200003036.mm.1		109.21	128.96	97.10	59.48	49.71	73.28
TC1600001496.mm.1	Hmgb1-ps6	5240.59	5322.07	5203.68	4492.97	3707.42	3702.88
TC1800000012.mm.1		103.65	99.56	88.21	78.43	78.63	74.33
TC1600001535.mm.1		25.66	30.10	31.00	18.50	22.42	19.54

TC0400002226.mm.1		32.49	39.08	35.02	28.29	24.36	25.86
TC1700002024.mm.1	Lgals1-ps1	36.20	30.15	34.30	26.92	23.93	24.72
TC1200000362.mm.1		89.50	128.04	103.97	56.96	59.89	70.20
TC1000001854.mm.1	Gm26740; RP24-547D11.2	47.88	50.98	50.05	38.38	36.79	29.76
TC1000001080.mm.1		196.20	215.48	210.67	141.53	128.07	166.72
TC0200003477.mm.1		109.29	141.70	116.64	56.26	72.40	79.74
TC1600000668.mm.1		165.52	164.01	129.78	92.48	79.46	105.72
TC0700001096.mm.1		4289.25	4527.05	4464.64	3566.96	2824.07	3350.88
TC0900000576.mm.1		78.93	91.78	77.56	41.04	55.24	55.60
TC0500001489.mm.1	Gm17132	14066.66	14695.59	15274.16	10322.81	6540.44	8027.83
TC0600001817.mm.1	Gm8649	467.01	527.23	520.42	349.24	224.00	282.08
TC0800000999.mm.1		59.48	64.56	52.95	44.69	40.29	45.57
TC0400000605.mm.1	Gm19609	13.31	16.13	16.84	10.50	10.07	11.55
TC1200001316.mm.1	Gm24741	40.09	48.05	50.65	32.93	32.33	27.29
TC0800000886.mm.1		63.01	62.34	61.45	37.67	43.50	50.09
TC1800000743.mm.1		38.31	35.91	34.36	28.09	22.54	27.44
TC0700001322.mm.1		54.66	68.59	54.27	40.95	37.86	31.50
TC0500002261.mm.1		84.25	108.97	96.78	71.75	63.64	60.83
TC0700002681.mm.1		503.98	486.63	576.20	295.56	168.44	268.10
TC0600003051.mm.1		27.05	22.74	26.11	20.28	19.86	19.91
TC0200002098.mm.1	Gm14079; RP23-139H14.3	39.17	44.69	35.21	29.84	27.52	29.01
TC1100002115.mm.1		67.05	57.76	50.86	39.48	30.35	26.81
TC0600001911.mm.1	Gm20186	630.69	657.87	673.67	558.32	515.53	464.50
TC0900000787.mm.1		11.87	13.91	15.09	9.44	10.02	10.10
TC0800001270.mm.1		30.23	28.91	26.71	23.38	18.94	19.00
TC0900001505.mm.1		62.62	88.66	74.15	46.95	49.23	41.84
TC1200000374.mm.1		15.56	17.49	20.37	13.11	11.91	11.62
TC0100001045.mm.1		422.69	588.26	442.89	294.11	265.20	316.49
TC1200001720.mm.1		125.26	107.87	82.16	59.84	44.21	56.58
TC0400003947.mm.1	Gm13121	2958.94	2956.73	2967.22	2619.38	2224.61	2248.99
TC1000001126.mm.1		60.57	68.07	60.09	41.36	37.04	49.18
TC0200002831.mm.1		156.98	172.08	177.09	136.85	112.86	129.03
TC1000000106.mm.1		34.18	48.15	35.29	19.46	24.44	16.97
TC0600002833.mm.1		78.74	87.72	102.90	56.54	64.80	51.47
TC0200002061.mm.1		17.26	20.37	17.98	15.09	13.26	12.89
TC0800000819.mm.1		11524.00	12844.29	12233.85	10425.38	9178.75	8839.85
TC0900000020.mm.1		758.10	803.41	863.03	589.34	397.09	477.12
TC0500001811.mm.1		129.39	176.99	127.65	86.98	78.30	93.31
TC1600000633.mm.1		60.02	79.85	77.24	45.86	40.65	49.71
TC1300000036.mm.1		2530.09	2499.04	2214.82	1695.40	1693.32	1272.56
TC0100001321.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC0300001517.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC0800000071.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC0800000165.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1000001265.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1100002198.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1300001262.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1400001168.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1500001159.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC1600001649.mm.1		359.29	377.03	356.18	236.85	216.95	292.71
TC0700000993.mm.1		35.77	39.13	32.20	28.04	27.56	25.21
TC0900000880.mm.1		31.71	31.16	33.87	24.82	28.19	24.34
TC1300001181.mm.1		47423.25	51881.60	55097.22	34042.83	19843.48	21354.04
TC1600000798.mm.1		339.87	379.98	286.79	208.65	189.02	239.22
TC1800000751.mm.1		89.87	107.87	71.03	47.26	45.43	55.78
TC1200001936.mm.1		40.48	39.35	30.42	23.11	23.22	25.79
TC0400001449.mm.1	Csf3r	233.60	236.32	209.94	188.79	161.37	177.91
TC0900001911.mm.1	Gm2976	3512.43	3603.96	3289.59	2911.75	2396.87	2675.93
TC1800000720.mm.1		23.22	19.33	21.78	16.65	17.36	16.05
TC0200003838.mm.1		76.79	64.00	64.43	50.71	36.89	40.41
TC1600000910.mm.1		1146.86	1263.95	1188.34	945.03	981.96	812.12
TC0100002881.mm.1		243.81	243.20	259.17	181.80	150.45	196.55
TC1800000481.mm.1		225.03	253.59	217.66	174.75	137.42	168.14
TC0900003045.mm.1		67.20	91.19	70.72	38.61	39.69	51.73
TC1100002596.mm.1	Gm16033; Gm16034; RP23-29H5.7; RP23-29H5.6	242.99	215.19	203.36	144.42	98.50	138.25
TC0300001110.mm.1	Al504432	190.54	201.06	164.85	109.59	122.35	141.11
TC1800001604.mm.1		74.04	82.67	63.76	51.61	41.37	49.74
TC0500000501.mm.1		54.55	80.21	82.30	30.05	34.47	42.13
TC1500001960.mm.1	Tbrg3	53.34	69.77	54.64	33.24	33.88	42.04
TC0X00002196.mm.1	Gm7834	61.03	57.83	59.17	51.03	41.60	43.46
TC0100000340.mm.1		74.67	72.49	65.11	47.10	52.69	38.20
TC0300002753.mm.1		75.41	93.37	84.02	52.99	48.98	63.83
TC0700003115.mm.1	Gm6226	85.60	86.17	77.39	70.14	60.38	66.20
TC1900000686.mm.1		55.62	64.04	55.71	48.03	43.57	40.93
TC0600003009.mm.1		34.72	34.80	41.73	19.56	19.70	27.12
TC1600000363.mm.1		144.74	136.69	140.20	74.47	45.02	80.62
TC0100000864.mm.1		48.66	59.45	59.78	39.20	42.42	41.75
TC1000001976.mm.1		11724.43	13930.09	12559.86	9627.05	7045.93	8169.58
TC1200001521.mm.1		64.22	75.57	59.94	44.67	41.48	31.49

TC0100003701.mm.1		57.43	75.30	69.57	44.51	32.89	42.60
TC0500000891.mm.1		364.66	352.24	351.90	267.90	236.23	298.63
TC1000002214.mm.1		33.22	41.95	33.38	23.94	25.62	26.55
TC1600000361.mm.1		159.99	213.10	154.28	76.48	112.50	89.29
TC1600001065.mm.1	Gm15971	98.84	98.72	84.90	58.27	57.57	73.80
TC0200002858.mm.1	Gm13187	13.59	15.40	15.98	12.04	11.82	10.62
TC1300002367.mm.1		1415.53	1568.95	1949.68	1140.59	963.40	918.08
TC1300001502.mm.1		43.99	43.37	52.63	35.05	28.83	26.32
TC1800001373.mm.1		38.78	38.60	33.75	19.58	25.52	26.53
TC0800003240.mm.1	6820431F20Rik; 2610005L07Rik	1900.53	2033.48	1711.29	1385.59	1165.92	1443.94
TC1300002476.mm.1		5325.91	5447.29	4569.86	4140.98	3634.36	3661.82
TC0100001917.mm.1		6459.89	7348.58	7515.16	5786.69	4898.74	5379.25
TC1800000723.mm.1		372.75	315.89	246.75	186.16	152.81	184.30
TC0600000825.mm.1		424.25	534.35	438.78	312.92	263.53	335.52
TC0900001970.mm.1		15761.62	16331.11	13709.10	9895.97	7824.15	10961.33
TC0100003684.mm.1		191.12	198.76	161.40	117.53	135.34	138.13
TC0600002933.mm.1		73.93	69.40	65.71	49.95	42.47	55.29
TC1100001447.mm.1	Gm22456	41079.14	44148.99	48880.39	28858.48	17423.16	15955.86
TC0500002304.mm.1		112.02	136.20	101.61	80.85	64.49	75.68
TC0200002944.mm.1	Gm23608	73.69	83.70	90.77	65.46	61.42	62.91
TC1400002304.mm.1		1413.83	1724.55	1448.32	994.10	630.76	872.63
TC0500001094.mm.1		25.65	32.95	31.41	22.25	21.33	20.57
TC0300001728.mm.1		18.27	14.99	14.72	12.24	11.68	11.50
TC1800001690.mm.1		4349.06	5702.56	4675.22	3189.98	2450.88	3242.90
TC1700002388.mm.1		69.65	105.21	110.96	52.78	48.89	42.46
TC1200001247.mm.1		132.21	131.25	144.98	117.07	101.97	99.30
TC1700001434.mm.1		159.39	171.72	151.49	99.70	79.39	117.60
TC0200003614.mm.1		20.25	21.14	23.29	12.70	16.86	14.81
TC0700002401.mm.1	Mrip-ps	8108.88	7373.37	7986.10	5923.66	4761.53	6059.37
TC0300001437.mm.1		28.80	29.34	30.85	20.09	24.47	18.64
TC1700000130.mm.1		42.22	54.24	45.77	28.20	26.57	34.96
TC0600000464.mm.1		20.45	30.86	25.29	14.82	15.64	15.44
TC0300000737.mm.1	Gm17146; RP23-199B2.2	153.14	183.84	164.53	128.53	114.70	132.71
TC0400001689.mm.1		492.78	580.04	514.48	281.72	361.53	383.62
TC0200003476.mm.1		460.93	681.14	391.25	208.09	201.33	272.98
TC1100001420.mm.1		85.76	97.72	68.91	56.44	50.40	45.00
TC0200000255.mm.1		15.44	17.12	18.37	13.05	12.30	13.95
TC0800002247.mm.1		75619.49	89663.33	73775.03	56093.80	38720.05	48979.85
TC1200001710.mm.1		35.43	42.38	35.73	19.73	28.01	20.65
TC1700002532.mm.1		49.47	68.76	53.75	35.89	36.10	39.24
TC1300000577.mm.1		3157.32	3277.63	2858.51	2018.77	1660.38	2335.74
TC1200000706.mm.1		18.99	18.91	16.14	14.79	13.43	13.62
TC1100003244.mm.1		39.97	51.73	50.33	28.30	26.29	34.22
TC1700002466.mm.1	2410021H03Rik	35.68	34.55	31.18	24.42	28.11	27.07
TC0X0000388.mm.1	Gria3	649.07	806.49	630.61	464.98	409.40	506.46
TC1100003946.mm.1	Rps12-ps26	827.85	718.32	838.77	613.06	529.55	626.36
TC1600001666.mm.1		30.28	27.24	30.25	24.20	20.97	23.98
TC0500002761.mm.1		23.47	21.51	22.93	14.59	18.58	16.92
TC0200001402.mm.1		40.54	36.60	43.41	24.52	23.10	31.23
TC0500002726.mm.1		140.78	181.93	141.75	100.11	72.22	96.68
TC0200002899.mm.1		73.04	72.16	84.24	40.47	49.88	56.66
TC0200005256.mm.1		21.45	19.03	21.59	14.52	17.23	14.16
TC0700001209.mm.1		62.06	63.42	59.77	49.43	47.07	38.49
TC0300002646.mm.1		24.14	25.60	34.86	16.39	16.57	18.29
TC1800001010.mm.1	Gm24924	121758.90	112293.20	123891.20	95868.23	70879.41	78914.02
TC1100004153.mm.1	Gm24060	149.60	195.96	155.79	111.29	71.31	86.73
TC0300000286.mm.1		34.21	44.28	32.89	21.12	24.94	24.92
TC0100000840.mm.1	Gm15369	92.52	77.01	85.96	63.23	65.18	52.96
TC0700001346.mm.1		126.61	166.68	117.37	88.72	86.82	75.59
TC0600000364.mm.1		186.83	189.18	166.00	127.79	102.06	136.34
TC0X00002945.mm.1	Gm14969; RP23-318H22.2	503.78	520.01	424.00	289.27	210.95	321.00
TC0300003043.mm.1		36.90	56.90	34.79	21.89	22.69	21.73
TC0800001405.mm.1	Mir7077	17.82	16.52	16.90	14.70	12.81	11.97
TC0X00003148.mm.1		21.83	21.27	23.61	15.76	18.87	15.46
TC1000003182.mm.1	Gm23252	89.78	86.78	71.75	61.07	50.67	59.34
TC0700004438.mm.1		117.80	134.06	144.85	56.22	55.64	90.28
TC1300000994.mm.1	Gm24935	57.90	47.69	57.60	38.92	42.96	40.28
TC1000002747.mm.1		406.27	500.78	424.63	300.65	249.93	328.09
TC1000002922.mm.1		116.17	106.30	137.04	76.51	78.89	91.08
TC0300001386.mm.1		97.68	104.08	83.02	73.58	63.86	60.68
TC0900000902.mm.1		23.96	28.02	28.25	18.13	21.15	20.58
TC1500001301.mm.1		62.18	63.05	54.29	47.30	35.71	37.05
TC0600001864.mm.1		25.33	26.22	29.92	20.25	21.85	18.11
TC0200001785.mm.1		69.08	76.00	67.09	60.77	53.66	52.37
TC0500002553.mm.1		6776.17	7266.12	8230.11	5440.23	3966.04	3633.32
TC0400003238.mm.1		71.13	90.09	77.44	59.21	60.67	59.35
TC1800000958.mm.1		416.83	511.00	437.69	309.76	257.67	339.61
TC1100003660.mm.1	Gm22461	4352.58	4143.25	5106.02	3216.66	2853.52	2241.18
TC0600000336.mm.1		106.64	138.43	124.40	63.21	63.37	88.67

TC0900001189.mm.1		88.33	115.81	102.68	66.89	73.91	74.88
TC0600003011.mm.1		30.89	30.17	25.83	16.00	21.96	15.87
TC0400002964.mm.1		70.85	96.47	68.99	34.63	48.34	28.26
TC1200002018.mm.1		68.82	109.37	66.81	34.68	41.47	43.10
TC0200001696.mm.1	Gm13975	14.24	15.51	13.04	11.17	11.93	11.16
TSUnmapped00000169.mm.1	Rnu1a1	118852.80	112854.10	125049.90	95360.95	70098.11	80741.01
TC0300001174.mm.1		50.59	102.09	56.56	29.05	22.97	27.44
TC1100004012.mm.1		442.91	363.41	355.82	275.24	276.29	301.34
TC0900001762.mm.1		5116.49	8048.81	6558.14	2289.17	3723.81	3080.98
TC1900001376.mm.1		27.53	37.34	28.14	16.71	20.65	20.06
TC0500000143.mm.1		42.05	51.11	43.50	31.49	22.51	30.29
TC1600002100.mm.1		70.98	101.32	86.03	56.01	45.67	55.33
TC1400001263.mm.1		29.24	46.12	40.18	16.89	23.46	17.76
TC0600000259.mm.1		112.97	122.27	109.38	66.98	67.29	91.34
TC1000001280.mm.1		10318.40	10927.48	11001.25	7609.57	4547.70	5878.73
TC1800001032.mm.1		48.93	53.97	55.78	22.68	34.18	34.20
TC0X00001649.mm.1	Gm8737	207.57	199.60	247.35	122.61	157.90	106.23
TC0200004287.mm.1	Gm9864	826.73	868.06	789.16	638.64	519.03	657.31
TC1600000874.mm.1		60.94	64.77	55.99	23.20	25.02	41.17
TC0900000093.mm.1		108.66	142.48	123.09	74.32	64.46	89.74
TC0200003858.mm.1	Gm13684; RP23-141N19.2	40.68	52.78	54.55	32.81	32.69	34.82
TC0200004393.mm.1	Gm25514	6364.04	4542.32	6454.56	3487.81	1976.31	2182.35
TC0200003644.mm.1		11.37	12.27	12.04	7.39	7.97	9.84
TC1300002590.mm.1		77.35	115.76	84.56	38.15	50.30	54.89
TC1200000450.mm.1	Gm22513	109307.80	102393.10	113042.90	86095.04	61606.02	64118.98
TC0400000145.mm.1	Gm11863; RP23-415F19.1	697.24	794.50	661.15	459.17	316.66	471.61
TC1400001046.mm.1		16.60	16.47	21.83	12.97	11.08	12.04
TC0500003424.mm.1		171.25	201.56	144.46	113.86	120.48	109.97
TC1600000453.mm.1		103.55	94.19	98.91	59.55	78.04	54.42
TC0200001400.mm.1	Gm13786	42.65	43.26	45.74	35.94	29.45	26.46
TC1000002911.mm.1		59.53	60.51	54.24	51.43	46.86	47.40
TC0600000313.mm.1		61.68	96.07	90.40	45.99	38.02	47.74
TC0100000028.mm.1		46.65	58.87	60.76	39.92	36.76	39.94
TC1000000821.mm.1	Mir6910	150.07	180.98	163.53	125.64	136.04	128.64
TC0300002626.mm.1		820.74	921.46	910.66	655.96	453.01	586.24
TC0200004346.mm.1		53.20	44.42	45.96	32.56	25.79	35.30
TC1700002603.mm.1		92.67	137.76	85.03	52.30	43.52	59.75
TC0800002079.mm.1		40.37	57.83	40.74	20.67	25.46	28.99
TC0200005348.mm.1	Gm16362	46.74	47.85	42.78	37.22	39.36	33.92
TC0100001488.mm.1	Gm20471; RP24-485J8.2	28.54	36.32	32.34	24.92	21.28	23.48
TC0900000577.mm.1		29.63	31.92	31.41	27.79	24.22	24.47
TC1100003951.mm.1		23.98	23.31	23.57	16.91	15.89	20.32
TC1600000061.mm.1		72.71	68.81	75.18	54.19	58.15	44.68
TC0700001056.mm.1	Kansl2-ps	895.76	946.09	777.33	584.84	466.23	642.63
TC1100001745.mm.1		120.15	116.82	101.56	81.42	92.03	75.26
TC1000001199.mm.1		147.54	183.20	160.48	126.78	121.86	129.38
TC1200000701.mm.1		24.98	29.40	31.24	21.04	22.20	19.14
TC1800000905.mm.1		2014.44	2222.79	1905.47	1575.91	1219.79	1509.35
TC0200005260.mm.1	Gm14263	10046.64	9601.51	11442.02	8532.01	7271.01	7155.90
TC0900002413.mm.1	Gm20199	121.80	120.92	105.16	88.62	60.61	66.00
TC1400002269.mm.1		77.97	69.06	66.16	51.31	38.90	51.50
TC0X00001138.mm.1		2746.35	2983.63	3333.39	2334.42	1702.73	1927.16
TC0300002830.mm.1		1171.35	1902.07	1250.50	571.20	667.59	822.44
TC1900001040.mm.1		52.38	58.61	51.28	30.59	41.69	37.80
TC1700002389.mm.1		32.13	32.78	33.24	26.69	20.02	19.20
TC1400000026.mm.1	Gm3030	35.31	34.46	30.26	25.64	28.18	24.92
TC0700001648.mm.1		30.75	34.44	38.05	26.82	23.59	26.56
TC0600001732.mm.1		220.00	244.25	242.30	182.72	141.43	178.17
TC1200002019.mm.1		28.85	26.09	23.63	15.98	14.45	20.14
TC0500003501.mm.1		2116.82	2484.29	2421.93	1891.32	1463.15	1577.44
TC0600002028.mm.1		79.48	92.87	80.93	55.03	66.45	48.71
TC1200000157.mm.1		73.45	94.83	91.63	62.77	64.21	59.83
TC0600002202.mm.1		32.49	40.68	31.13	21.00	24.26	25.09
TC0X00001812.mm.1		217.44	259.99	221.11	138.18	77.06	125.88
TC1600000748.mm.1	Gm15693	66.35	63.12	54.03	49.28	44.67	42.88
TC0900002614.mm.1		70.54	72.28	57.81	40.49	36.39	50.12
TC0700004130.mm.1	Gm23700	1020.41	875.62	1061.30	743.59	805.16	742.28
TC1200001169.mm.1	Mir380	19.28	23.18	28.28	12.18	12.99	15.94
TC0900002732.mm.1		50.54	41.84	32.84	24.41	26.47	22.99
TC0300000936.mm.1	Gm24830	40746.44	32689.51	36994.74	25787.86	16190.50	20565.66
TC0300000942.mm.1	Gm26232	40746.44	32689.51	36994.74	25787.86	16190.50	20565.66
TC0300002517.mm.1	Rnu1b6	40746.44	32689.51	36994.74	25787.86	16190.50	20565.66
TSUnmapped00000172.mm.1	Rnu1b6	40746.44	32689.51	36994.74	25787.86	16190.50	20565.66
TC0800002072.mm.1		27.19	30.03	29.42	19.85	24.26	18.83
TC0600001623.mm.1		33.38	36.12	34.15	23.59	29.67	24.55
TC0200005153.mm.1	Gm11460	759.65	764.40	779.08	436.20	578.17	583.30
TC1300001308.mm.1		70.05	45.14	61.42	25.01	27.41	36.71
TC0900003209.mm.1		99.62	170.09	132.67	55.56	70.58	39.65
TC0200000837.mm.1		22.08	23.29	29.02	17.70	18.15	16.64
TC1900001164.mm.1		56.74	62.46	50.02	44.48	43.50	42.26

TC140000143.mm.1	Gm22350	19.05	22.66	22.42	16.90	16.72	14.67
TC0600003025.mm.1		25.62	27.14	31.34	20.42	21.40	22.68
TC0100002145.mm.1	Gm23792	18.90	19.26	17.10	16.22	14.82	15.04
TC0300001432.mm.1		13.60	14.47	14.89	11.39	12.85	11.44
TC0X00001161.mm.1	Gm16373	929.19	829.91	1034.08	732.20	727.51	695.11
TC0400004102.mm.1	Gm13173; RP23-186F3.1	21.45	25.33	26.65	18.82	19.14	17.48
TC0500003421.mm.1		107.67	130.31	116.06	94.89	80.46	90.00
TC0600001692.mm.1		194.72	234.02	234.45	144.71	170.08	168.61
TC0200003120.mm.1		62.56	84.64	88.74	52.77	39.26	44.70
TC0100001867.mm.1	Gm15867	51.74	54.16	53.76	46.84	38.14	39.75
TC1400001347.mm.1		20.66	21.05	23.97	15.31	17.48	13.28
TC0400001549.mm.1		143.19	167.92	170.53	124.45	105.10	124.31
TC1100003347.mm.1		18.82	21.84	15.83	11.20	11.13	13.66
TC0200003037.mm.1		37.70	43.59	49.99	32.14	31.02	31.60
TC1600000355.mm.1		81.27	104.23	77.29	63.55	51.59	50.82
TC0200000732.mm.1	Gm13462	33.46	30.38	37.23	25.93	27.17	26.61
TC0200000745.mm.1		33.37	35.74	40.38	20.33	27.82	19.26
TC1200001154.mm.1	Gm23347	40.13	56.55	55.48	30.55	32.22	33.62
TC0X00003119.mm.1		48713.72	58837.10	53707.97	37988.45	28596.29	38601.37
TC1900000988.mm.1		16.64	20.07	22.21	12.58	14.05	14.21
TC1800000715.mm.1		75.48	68.84	78.91	44.11	59.24	52.25
TC0100001430.mm.1		24.18	26.05	26.30	19.31	20.83	22.53
TC1600000866.mm.1	Mir99ahg	128.71	157.25	126.43	85.34	80.57	105.68
TC0300000015.mm.1	Gm17308	41.35	30.83	37.52	26.91	23.00	24.85
TC0600001581.mm.1		108.66	121.42	136.26	82.58	75.28	95.52
TC0600001719.mm.1	Gm15499; RP23-373I18.2	26.04	30.99	30.07	21.90	24.10	20.98
TC0X00000773.mm.1		186.94	205.78	205.19	125.33	96.81	148.08
TC1200001107.mm.1		131.03	106.51	106.50	72.61	69.97	89.22
TC1300000065.mm.1	Gm26861	28.30	31.95	25.39	21.45	19.80	22.45
TC0100000341.mm.1		29.28	36.59	33.56	20.26	13.35	21.02
TC1700001325.mm.1		658.71	666.78	590.12	455.44	440.73	542.09
TC0400000122.mm.1	Gm11824	140.36	118.91	109.74	95.78	87.88	89.17
TC1200002259.mm.1		28.99	26.45	25.80	18.09	20.74	22.57
TC1300001000.mm.1		24.65	32.65	23.88	18.13	14.16	17.50
TC0900000890.mm.1	Gm22962	153.99	222.90	121.11	40.56	53.96	82.36
TC0300002163.mm.1		8078.17	8582.43	7901.98	5728.32	4629.07	6463.39
TC0200001687.mm.1		219.49	238.51	184.53	157.75	156.96	161.90
TC0800002977.mm.1	4933408N05Rik	87.14	78.97	74.37	62.08	58.71	67.97
TC1300001915.mm.1		54.11	50.63	61.83	34.12	33.30	43.88
TC0900002804.mm.1		73.72	96.33	82.01	54.04	64.29	57.39
TC0800002444.mm.1		32.58	35.47	31.72	22.06	25.55	27.64
TC0200000792.mm.1	Gm13510	46.84	63.50	59.78	39.92	32.67	37.99
TC1600001474.mm.1		266.79	332.90	242.32	180.83	181.10	203.32
TC0X00002499.mm.1		198.87	279.67	214.97	159.59	147.16	149.85
TC0600002130.mm.1		59.51	77.73	66.09	38.11	42.70	50.69
TC0600002826.mm.1		31.78	30.55	26.02	21.29	23.17	23.37
TC0X00003224.mm.1	Gm15146; RP23-228N14.2	106.56	132.23	99.50	71.27	66.00	83.61
TC1300000738.mm.1		33.46	38.31	39.78	27.10	25.88	19.59
TC0100000669.mm.1		635.80	678.84	647.53	505.17	408.70	528.98
TC1100002713.mm.1	Olfr1372-ps1	49.32	49.03	42.37	39.31	34.66	33.10
TC0900000552.mm.1		63.39	65.01	60.55	49.71	35.15	43.64
TC0700003444.mm.1		107.77	191.24	127.91	70.76	64.63	76.11
TC1100004154.mm.1		80.66	90.51	65.63	47.82	43.25	56.66
TC1400001511.mm.1		61.65	75.62	57.12	34.22	46.18	41.79
TC0700000454.mm.1		41.98	47.32	40.10	35.50	32.50	29.19
TC1100004210.mm.1	Gm11788; RP23-82I5.15	57.42	70.81	68.84	50.54	46.97	51.77
TC1700002421.mm.1		199.52	194.31	221.78	138.59	164.24	119.41
TC0200004347.mm.1		86.99	76.14	67.13	42.81	56.58	51.54
TC1600000869.mm.1		35.92	64.13	41.62	22.51	23.48	24.37
TC1900000933.mm.1		206.22	210.86	176.48	145.92	145.39	164.40
TC1200000166.mm.1		65.65	75.55	62.45	43.43	42.01	27.30
TC1200001323.mm.1		118.52	125.58	104.57	88.46	79.63	94.80
TC0500002204.mm.1		16.32	13.11	12.96	9.83	9.03	10.88
TC0300001433.mm.1		49.18	90.63	62.02	25.51	28.56	36.21
TC0300001101.mm.1		27678.81	29167.56	28687.87	20759.53	11910.02	13031.95
TC0200002160.mm.1	Gm14093; 2.145048962-146444327.1	15.32	17.37	17.49	14.28	12.59	13.59
TC1700000160.mm.1		27.37	32.40	30.12	23.71	20.85	24.50
TC1900001242.mm.1		325.13	367.60	404.92	210.25	139.93	235.66
TC0300000486.mm.1		2529.15	4493.87	3019.44	1161.72	1165.26	1853.36
TC0300002788.mm.1	Gm19420	97.48	101.14	134.83	70.10	78.55	67.36
TC1600000004.mm.1		18.07	19.87	20.08	16.04	13.74	12.14
TC0600000610.mm.1		67.37	70.37	72.10	58.66	44.30	44.14
TC0800002246.mm.1		164398.30	184854.00	185130.60	147146.00	114029.20	130136.10
TC1800001003.mm.1	Gm22251	87.54	71.82	86.51	62.05	65.34	63.61
TC0500002844.mm.1		1539.05	1668.22	1437.92	1015.83	543.31	800.13
TC0400002261.mm.1	Gm11851; RP23-323E6.1	576.51	508.16	471.40	353.33	244.83	349.67
TC0800002069.mm.1		24.57	28.98	22.21	14.81	17.09	18.95
TC0900000894.mm.1		29.70	32.59	31.85	25.37	19.06	17.72
TC0600000382.mm.1		988.92	1232.38	1229.35	738.20	543.75	793.19

TC010000306.mm.1		15.28	14.77	15.52	10.24	13.04	11.69
TC1200002210.mm.1		99.99	96.56	103.44	80.06	55.79	67.27
TC1300001663.mm.1		50.35	50.96	66.56	41.39	35.06	36.04
TC0400000359.mm.1		170.97	163.40	137.23	98.28	116.75	119.43
TC0600003032.mm.1		138.48	154.82	151.82	114.17	76.73	95.70
TC0400000597.mm.1	Tpt1-ps2	41.11	36.58	38.11	32.84	26.19	26.31
TC0100001287.mm.1		109.46	140.05	132.59	96.54	73.62	70.16
TC1500001492.mm.1		256.54	418.15	233.18	109.32	116.07	163.66
TC0600002061.mm.1		162.57	266.86	184.16	85.65	118.28	107.14
TC1800001372.mm.1		57.07	65.70	75.34	30.69	44.86	41.69
TC0200003100.mm.1		369.59	409.64	367.24	311.71	233.76	226.26
TC1800001645.mm.1		38.53	32.44	35.78	28.04	23.66	20.21
TC0600001779.mm.1	Gm23551	17716.30	19552.21	21896.52	13913.53	8760.33	11704.51
TC0200001723.mm.1	Gm25189	62188.91	55610.11	68798.59	48117.23	34187.86	38358.88
TC1600001830.mm.1		42.70	29.51	31.25	23.36	17.48	19.27
TC1700000466.mm.1	Rps2-ps9	440.19	393.97	477.74	354.61	278.72	279.13
TC0100003628.mm.1		23.58	29.40	27.81	20.13	17.89	21.13
TC0X00002410.mm.1	Gm14734; RP23-272G10.3	198.68	207.60	195.55	144.71	95.27	134.82
TC0400002740.mm.1		17.90	20.41	26.55	13.68	14.14	11.79
TC1900000384.mm.1		493.26	538.15	355.34	301.78	248.20	263.83
TC1100001337.mm.1	Rnu1a1	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1100001338.mm.1	Gm22068	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1200000451.mm.1	Gm22634	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1200000452.mm.1	Gm23804	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1200000453.mm.1	Gm26444	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1200001751.mm.1	Gm25679	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1200001754.mm.1	Gm22317	117525.90	117132.80	118980.90	95835.28	67842.24	81857.31
TC1000002009.mm.1		4455.25	4721.09	4329.59	2996.41	1917.92	2964.93
TC0600003004.mm.1		147.16	161.13	125.92	89.80	92.30	113.39
TC0900001007.mm.1		48.49	55.68	48.58	27.33	33.85	39.23
TC1500001290.mm.1		44.65	43.53	31.69	19.43	27.26	18.66
TC0800002198.mm.1		21.20	18.65	22.33	17.17	14.97	16.25
TC0500000330.mm.1	Gm24436	29.86	30.48	28.54	25.88	21.96	20.54
TC1300001754.mm.1		28.80	21.81	23.37	17.94	18.07	17.71
TC0200002388.mm.1		103.25	96.81	105.09	88.56	72.51	71.24
TC0100000339.mm.1		25.72	25.81	21.60	16.10	19.88	17.00
TC1500000101.mm.1		128.92	146.52	136.17	97.34	97.76	118.17
TC1200000332.mm.1		17.99	19.12	14.85	12.09	12.23	13.51
TC0900001095.mm.1	Rps27a-ps2	2844.14	2889.48	3728.38	2244.94	2017.00	2299.88
TC0X00001212.mm.1		56.03	53.95	72.01	42.25	41.20	44.25
TC1400001265.mm.1		14.86	18.80	17.08	11.87	12.80	13.37
TC1700001168.mm.1	Gm6276	108.40	87.40	102.05	80.22	67.68	72.05
TC0100002662.mm.1		91.00	128.34	113.46	71.40	49.15	67.71
TC1400002402.mm.1		559.34	611.56	505.35	402.39	277.84	376.74
TC0500002105.mm.1		144.15	160.29	119.98	106.58	98.66	92.48
TC1400000379.mm.1		405.59	490.14	453.69	332.37	273.58	350.65
TC0700003445.mm.1		338.13	512.13	338.34	151.52	161.08	245.10
TC0800001986.mm.1		37.70	36.70	25.55	16.41	20.18	20.90
TC0X00003068.mm.1		418.04	567.85	447.13	297.10	242.52	335.76
TC0300000947.mm.1	Gm22614	38136.01	32218.28	36324.18	27195.64	18021.70	21616.78
TC0300002518.mm.1	Gm25890	38136.01	32218.28	36324.18	27195.64	18021.70	21616.78
TC1100001751.mm.1		49.86	52.55	49.62	36.53	44.91	37.88
TC0200000637.mm.1		61.89	81.45	58.44	41.58	40.12	48.19
TC1100004257.mm.1	Gm12590; RP23-342H16.5	470.20	491.80	502.33	301.05	226.73	363.83
TC0900002596.mm.1		108.10	124.16	98.90	78.10	83.50	88.32
TC0100002298.mm.1	Gm23240	61.47	61.03	57.46	49.17	43.24	52.24
TC0500002516.mm.1		80.86	92.99	99.27	73.85	59.24	63.87
TC0200004094.mm.1		63.80	87.21	73.45	47.91	52.79	54.40
TC0100001700.mm.1		36.12	42.46	46.58	30.62	29.62	32.62
TC0200003475.mm.1		89.81	112.45	91.41	51.12	60.67	73.28
TC0800001351.mm.1		44.17	55.38	48.63	39.23	37.00	33.24
TC1600002099.mm.1		168.66	208.43	194.13	151.07	113.86	113.94
TC1900000326.mm.1	Gm23238	58310.60	58252.50	55270.42	46519.52	31653.74	35871.50
TC0900002500.mm.1		42.57	52.80	47.47	35.77	36.09	29.00
TC1100003843.mm.1		29.38	31.64	32.01	23.06	27.30	25.47
TC0800001824.mm.1		116.62	139.93	96.07	71.97	74.05	82.06
TC0800001846.mm.1		15621.73	16591.04	17291.46	13173.25	9803.67	12296.54
TC1200000597.mm.1		20.67	17.70	19.23	13.19	13.57	16.29
TC1200000666.mm.1		23.81	25.62	24.26	18.83	15.96	20.68
TC1100003670.mm.1		18.92	20.68	16.67	14.29	15.19	13.15
TC0800001272.mm.1		1182.41	1193.00	929.71	599.82	579.01	823.93
TC0900001274.mm.1		35.12	36.60	37.50	19.09	22.98	28.92
TC1100001870.mm.1		14.14	10.80	12.81	8.51	9.55	9.35
TC0700004580.mm.1	Kcnq1ot1	40.00	43.49	38.88	29.57	31.26	35.72
TC0X00000475.mm.1	Gm14584	1402.97	1277.98	1154.30	896.07	808.14	1039.39
TC0200002984.mm.1		80.08	69.11	58.43	34.56	41.37	49.58
TC0400000691.mm.1	Gm12910; RP23-64F17.5	21.82	22.61	20.61	17.19	18.62	15.01
TC0X00001888.mm.1	Drr1	57032.05	65387.23	58969.68	39717.91	44017.39	50853.75
TC1900000302.mm.1		39.20	34.46	34.70	14.61	20.76	25.24
TC1200001170.mm.1	Mir1197	28.79	25.79	24.06	21.65	17.19	18.98

TC1600001828.mm.1		26.15	23.97	18.43	14.67	14.39	16.19
TC0600000335.mm.1		37.66	45.41	49.24	33.04	30.90	33.32
TC1100003939.mm.1		62.92	72.95	68.01	46.53	56.98	52.98
TC0600000314.mm.1		62.96	105.07	57.43	35.31	37.03	36.98
TC0300001388.mm.1		46.05	64.02	49.08	34.03	18.02	23.79
TC0800002776.mm.1		1252.10	1411.21	1512.83	926.39	954.12	633.24
TC1300001738.mm.1		23.12	28.13	21.48	17.47	17.93	18.28
TC1600000341.mm.1		36.27	44.26	38.74	30.03	32.59	27.41
TC0900002097.mm.1		59.61	63.60	56.34	36.05	38.86	49.65
TC0800000913.mm.1		29.93	40.54	35.99	26.52	24.83	24.19
TC1200001707.mm.1		33.28	40.27	47.29	22.94	24.26	29.18
TC0400003486.mm.1		132.87	143.40	150.10	75.11	96.27	110.09
TC1600000877.mm.1	Mir99a	24.19	28.98	21.95	10.83	13.59	17.68
TC0X00002200.mm.1		20.23	25.36	22.04	13.45	14.09	17.92
TC0600000116.mm.1		64.10	97.64	84.81	41.77	43.18	55.63
TC0600000139.mm.1	ST7-OT4_4	95.57	101.56	88.26	73.64	65.82	51.42
TC1300000406.mm.1	Gm22126	3690.14	3142.68	3576.98	2565.62	1506.44	1606.45
TC0100003332.mm.1		179.68	240.18	205.14	113.09	131.38	73.64
TC0500001870.mm.1	Gm24630	163.03	238.07	179.65	118.30	131.11	125.79
TC1300000653.mm.1		115.79	136.44	106.75	72.54	68.44	93.28
TC1800000283.mm.1		48.99	46.62	39.78	37.04	33.76	32.09
TC0300000575.mm.1	Mir15b	35.36	53.52	41.05	25.98	25.44	29.22
TC1000002309.mm.1		30.18	39.29	30.13	21.85	21.62	25.24
TC0400001174.mm.1		57.45	74.47	73.16	39.46	52.09	39.49
TC1600000727.mm.1		445.43	643.96	465.55	326.57	310.87	352.42
TC1000000516.mm.1		103.78	113.15	78.60	65.07	61.15	67.71
TC0700001386.mm.1		26.71	20.74	23.50	18.27	17.40	18.27
TC0900001993.mm.1		234.90	294.46	258.43	187.68	128.68	175.44
TC0200005361.mm.1		1031.39	1504.16	1203.31	673.03	469.38	783.59
TC0800002536.mm.1	Gm4899	518.94	552.37	482.26	396.38	264.40	343.25
TC0600002011.mm.1		144.15	178.60	121.58	91.84	89.14	103.96
TC0200004723.mm.1	Gm14071	17.72	18.43	15.44	12.97	14.18	11.53
TC0X00003169.mm.1	Gm24907	25.73	25.39	22.13	15.67	20.38	16.50
TC1600002046.mm.1		40.27	42.21	36.82	34.00	27.62	30.64
TC1000000667.mm.1		15.00	16.46	14.75	10.75	13.18	10.14
TC1200000691.mm.1		25.98	25.09	20.93	16.73	18.11	19.30
TC1200001317.mm.1		186.86	207.37	171.49	126.77	73.59	111.29
TC1500000428.mm.1	Gm5045	432.08	420.33	465.54	386.34	313.39	326.72
TC1900001041.mm.1		25.67	31.06	29.30	23.72	20.49	22.52
TC1800000402.mm.1		30.49	29.10	31.23	26.48	20.77	21.02
TC1200002168.mm.1	LOC100862089	33.71	37.88	26.84	23.96	21.00	20.54
TC1300002636.mm.1		503.60	674.26	487.05	316.52	285.59	398.18
TC1300001221.mm.1		59.27	48.92	43.55	35.52	34.27	37.82
TC0500000506.mm.1	5730480H06Rik; Pacrgl	26.07	34.54	27.31	18.65	21.72	21.09
TC0X00002690.mm.1		41.26	60.78	53.14	29.43	34.17	34.77
TC0400000471.mm.1		220.39	303.51	244.80	135.74	139.56	189.29
TC0X00000738.mm.1	Fam220-ps	30.20	26.24	30.66	24.00	22.29	24.56
TC0900000249.mm.1		16.12	19.21	18.77	12.96	14.74	14.60
TC1500001633.mm.1		32.57	27.33	29.23	22.77	23.09	25.50
TC0300003055.mm.1		26.92	32.78	27.99	23.88	20.99	18.97
TC1700001430.mm.1		130.68	152.84	113.02	89.60	75.17	97.63
TC1400002270.mm.1		139.13	177.92	104.16	74.05	56.57	81.90
TC0300001968.mm.1		32.06	31.33	24.94	18.80	22.83	20.70
TC1600000801.mm.1	Gm22448	64.24	56.14	75.63	43.49	40.84	50.21
TC0900003212.mm.1		50.18	61.56	69.29	38.90	45.11	40.58
TC0500000561.mm.1		31.50	32.49	26.20	20.86	24.61	20.78
TC0200001414.mm.1	Gm13814; RP23-165L23.2	25.90	22.50	23.80	21.16	18.16	18.48
TC1300001998.mm.1		3138.75	3129.90	2918.91	2591.39	1975.64	1866.10
TC0900000041.mm.1		155.13	166.57	141.10	94.11	125.92	89.37
TC0X00000769.mm.1	Gm5937	6747.55	6730.90	6361.44	6004.51	5065.66	5092.48
TC1000001871.mm.1		40.52	45.76	48.88	30.94	37.91	31.66
TC0700001383.mm.1	Map6	29.88	36.67	41.36	18.83	23.96	25.23
TC1600002127.mm.1		96.46	68.84	70.30	53.09	41.48	51.54
TC1700002401.mm.1		27.55	33.70	26.52	20.68	18.09	22.83
TC0100001235.mm.1		51.73	54.25	63.67	46.93	40.30	40.99
TC0400002124.mm.1	Gm11805	85.43	87.93	106.28	56.61	72.12	68.05
TC0200000275.mm.1		109.74	108.95	116.69	68.03	77.18	94.50
TC1700001809.mm.1	Gm10503	24.69	17.85	20.01	15.34	12.30	13.98
TC0500001154.mm.1		91.50	111.61	79.85	50.79	49.75	69.58
TC0100000841.mm.1	Gm15374	70.47	76.47	72.12	47.94	50.28	63.24
TC1000002854.mm.1		21.63	21.72	17.64	15.69	14.70	16.31
TC1600001120.mm.1		164.30	194.03	143.04	97.85	74.13	117.17
TC0100003704.mm.1		38.26	47.43	42.67	34.89	28.27	26.65
TC1600000354.mm.1		81.06	87.42	75.25	39.65	53.48	61.02
TC1300000435.mm.1		93.76	78.11	78.64	69.16	56.82	61.49
TC0X00003305.mm.1		108.01	86.15	104.55	70.31	46.48	64.86
TC1900001581.mm.1	Gm6807	12931.49	13162.47	11464.84	10097.67	7654.75	9419.52
TC0500001156.mm.1		23.03	22.25	21.63	14.55	16.61	19.24
TC1400001264.mm.1		11.91	14.76	13.23	9.95	11.07	10.09
TC0X00003225.mm.1	Gm15145; RP23-228N14.5	870.79	798.08	749.69	543.33	479.02	665.08

TC0500001810.mm.1		692.67	1170.03	855.26	367.18	531.34	489.17
TC1300001174.mm.1		48.11	78.59	56.04	31.55	33.40	38.68
TC0600002053.mm.1	Gm13862	10312.91	9348.32	10680.60	8919.53	7627.56	7703.49
TC1600001953.mm.1		44786.76	51938.90	45069.85	33035.25	21562.20	32009.18
TC1000001723.mm.1		30.32	26.46	28.93	25.19	21.90	21.48
TC1500001974.mm.1		111.44	124.00	107.76	97.59	87.47	78.21
TC1100000524.mm.1	Gm23813	5947.91	7017.51	6461.95	5493.84	4401.86	4329.44
TC1600000419.mm.1		34.44	40.78	39.91	30.86	32.01	32.08
TC0X00000991.mm.1	Gm16471	162.37	177.62	178.72	156.42	136.66	141.09
TC1000003033.mm.1	Gm15961; RP23-455J6.4	133.16	201.78	143.62	89.03	96.16	106.57
TC0700003812.mm.1		29.56	28.74	27.81	19.53	25.24	21.47
TC0700003052.mm.1		40.66	38.69	42.53	35.93	31.27	28.89
TC0600002488.mm.1		56.65	51.83	58.16	43.79	37.18	46.89
TC0X00002311.mm.1	Mir505	207.60	371.17	319.33	128.23	140.18	175.00
TC0400003153.mm.1	Gm12785	61.22	78.99	63.45	47.14	45.68	53.67
TC0100001977.mm.1		90.28	114.44	91.40	65.81	70.65	78.12
TC0900000094.mm.1		28.71	33.07	35.74	22.47	23.80	26.83
TC1600000728.mm.1		75.21	76.47	54.81	42.40	37.71	49.26
TC0700003530.mm.1	AU020206	929.65	1061.64	792.19	558.25	526.07	714.52
TC1500001636.mm.1		162.70	212.26	161.18	132.90	123.84	129.04
TC1800000536.mm.1		38.27	36.04	32.59	28.75	19.96	23.57
TC0900001263.mm.1		60.01	57.75	77.37	37.46	33.72	48.52
TC1300000077.mm.1		39.04	30.92	28.57	20.31	24.94	19.84
TC0200003041.mm.1		94.26	126.74	86.11	55.03	49.62	71.57
TC0100002896.mm.1		22.69	30.30	24.31	15.69	19.32	18.17
TC1600000743.mm.1		168.40	148.12	208.31	114.76	122.12	126.55
TC1600001227.mm.1		19.34	23.70	20.65	17.84	16.12	15.80
TC1200000463.mm.1		41.96	52.51	41.81	29.88	21.30	31.85
TC0X00000419.mm.1	Gm14654	798.11	796.04	765.76	556.80	394.61	592.36
TC0200003399.mm.1	Snord90	175.25	191.96	144.90	120.74	89.85	119.63
TC0200002726.mm.1	Gm16358	49.06	48.18	41.28	36.82	39.22	35.43
TC1700000560.mm.1	A530088E08Rik	130.85	97.75	137.63	86.84	71.08	80.82
TC1300002265.mm.1	A130040M12Rik	758.45	867.89	859.68	691.26	548.22	643.91
TC0200005329.mm.1	Gm14392	200.14	204.34	218.36	153.51	107.11	153.00
TC1100000212.mm.1		96.96	96.93	78.96	68.47	70.82	73.26
TC1100002338.mm.1		46.24	50.94	39.96	37.16	32.87	33.68
TC0200004274.mm.1		29.99	24.12	27.13	18.26	17.35	22.27
TC1200000952.mm.1		15.44	19.80	20.74	13.76	11.42	9.60
TC0100003390.mm.1		65.31	68.36	76.45	48.65	30.20	45.80
TC0100002380.mm.1		39.07	46.97	39.11	34.95	29.80	30.46
TC0X00000123.mm.1		98.27	131.07	80.43	67.25	50.98	55.84
TC0200003124.mm.1	Gm13369	165.72	184.85	133.58	109.93	87.50	114.59
TC1800000633.mm.1		120.28	170.29	142.71	81.42	78.46	107.19
TC1700001161.mm.1		62.45	60.73	51.60	43.72	32.10	42.48
TC1100001181.mm.1		21.25	19.42	21.42	18.69	16.35	16.10
TC0300000019.mm.1		46.56	73.15	48.05	31.79	27.27	35.09
TC0400000640.mm.1		58.88	66.83	59.41	50.32	35.55	42.75
TC0400002451.mm.1	Gm24112	2689.67	3804.60	2447.11	1170.55	1125.85	1943.15
TC1700002392.mm.1	Gm17228	95.91	82.02	81.80	65.54	42.24	55.73
TC0400003455.mm.1	Gm12881	149.14	97.15	113.57	77.61	62.73	77.17
TC0900000962.mm.1		105.71	137.67	140.78	92.09	62.71	79.80
TC0200004527.mm.1		84.99	131.46	95.09	55.25	66.88	65.37
TC0800000657.mm.1		561.70	659.76	514.41	419.26	289.98	392.04
TC0X00000109.mm.1		53.64	57.14	46.66	34.91	43.67	34.36
TC1300000055.mm.1		43.47	37.90	31.91	28.33	27.47	26.22
TC0X00000301.mm.1		37.53	51.66	40.75	25.25	23.47	32.52
TC0200003341.mm.1		53.71	61.00	66.63	47.35	43.23	49.64
TC0500000388.mm.1	Mir3097	266.06	346.26	344.18	209.48	233.67	240.92
TC1800001641.mm.1		57.96	89.55	73.19	38.94	41.58	50.91
TC1700002326.mm.1		178.47	160.06	168.35	116.58	84.60	128.62
TC1800000252.mm.1	Gm16345	519.72	413.32	471.09	369.93	296.77	352.18
TC0900002597.mm.1	Gm23730	645.93	558.94	605.95	441.18	370.95	500.12
TC0600003320.mm.1	LOC100861780	677.68	674.29	611.36	484.18	254.79	324.25
TC0400001046.mm.1		465.45	552.80	463.81	358.43	293.73	393.14
TC0400002368.mm.1		465.45	552.80	463.81	358.43	293.73	393.14
TC1800000079.mm.1		28.56	25.63	20.18	15.64	17.54	17.60
TC0400004038.mm.1		130.09	105.28	83.14	67.52	61.11	69.57
TC0300002004.mm.1		21.64	21.70	23.01	20.06	16.69	16.63
TC0700001414.mm.1		61.08	72.50	74.34	57.63	49.36	53.17
TC1600000441.mm.1	Gm20056	849.46	886.21	809.91	767.55	642.52	648.61
TC0100000438.mm.1	Gm20257	14.08	13.90	12.04	11.17	9.77	11.04
TC1600000259.mm.1	Gm23612	20.88	30.85	21.91	16.15	15.86	15.74
TC1900000968.mm.1		79.64	59.06	67.97	52.45	50.58	48.81
TC1800000246.mm.1		64.87	112.95	97.02	55.83	43.62	45.99
TC0200004247.mm.1		58.34	63.61	75.27	48.32	47.49	52.90
TC1500001579.mm.1		76.23	78.38	77.24	55.66	47.35	65.96
TC1000000029.mm.1	Gm22739	273.25	217.17	236.95	181.10	133.90	176.14
TC0800000492.mm.1		147.16	182.53	150.89	97.11	77.65	121.66
TC0200002079.mm.1		18.26	23.76	22.44	13.56	15.53	16.68
TC0900002527.mm.1		52.85	63.33	57.52	49.93	44.16	42.84

TC1800000947.mm.1		69.45	71.40	65.48	43.41	52.13	58.17
TC0200002740.mm.1	Gm14301	25.74	31.09	34.24	21.37	23.20	22.80
TC0800002366.mm.1		791.90	882.45	690.04	534.95	382.34	564.46
TC0X00002287.mm.1	Gm14650	1230.17	1229.34	1397.34	1050.99	727.47	867.28
TC1000000270.mm.1		1892.35	1780.48	1993.10	1637.30	1256.47	1249.85
TC0X00001290.mm.1		42.46	44.28	37.89	28.09	27.59	35.55
TC0900002456.mm.1		18.09	19.19	19.86	16.06	12.37	15.01
TC0300001793.mm.1		600.51	702.71	632.72	474.90	438.25	554.34
TC1600000619.mm.1		32.87	37.63	28.26	20.35	25.54	23.14
TC0X00002506.mm.1	Gm14742; RP23-91C19.8	23.23	30.34	25.91	19.44	21.07	19.46
TC0X00002208.mm.1		77.68	89.23	92.12	57.91	35.88	57.33
TC1100000275.mm.1	Gm12080	27.52	28.25	35.16	21.67	17.72	23.12
TC1100001749.mm.1		23.09	26.63	35.79	18.66	18.05	14.93
TC0500001313.mm.1		116.33	163.63	135.51	100.84	74.48	90.37
TC0200000125.mm.1	Mir467a-3	139.53	161.77	151.32	91.59	110.81	124.40
TC0200000143.mm.1	Mir467a-6	139.53	161.77	151.32	91.59	110.81	124.40
TC0200000173.mm.1	Mir467a-10	139.53	161.77	151.32	91.59	110.81	124.40
TC0400003658.mm.1	Gm13215	846.45	861.16	978.97	757.37	557.97	584.65
TC0600001261.mm.1	Gm26982; RP23-392K24.4	23.58	21.89	20.70	19.58	16.22	16.47
TC0200000788.mm.1		66.65	81.79	75.86	58.28	45.27	57.08
TC1400001316.mm.1		51.21	53.64	35.46	17.99	29.51	25.47
TC1600000200.mm.1		80.60	68.16	80.76	60.06	47.03	59.23
TC0200003613.mm.1		56.72	44.14	44.43	21.33	26.72	35.60
TC1300002727.mm.1		36.99	48.09	46.70	29.92	26.96	34.44
TC0600000844.mm.1		111.90	101.38	112.10	73.58	91.46	64.45
TC0500000563.mm.1		36.39	46.74	41.61	33.81	30.03	27.94
TC1200001149.mm.1	AF357426	270.02	271.19	335.46	209.12	228.40	173.12
TC1200001711.mm.1		33.11	39.35	38.31	20.81	19.34	29.69
TC1400001313.mm.1		32.84	49.39	40.48	24.44	27.54	18.58
TC0400000950.mm.1	Mir872	58.74	96.66	52.04	36.20	34.90	35.01
TC0200000624.mm.1	Gm13419	246.56	274.13	299.29	233.25	210.27	199.00
TC0500002208.mm.1		132.38	115.27	98.17	87.23	86.57	79.00
TC1700000867.mm.1	Gm25008	1412.93	1233.66	1452.41	1152.85	1001.90	1126.49
TC1100003123.mm.1	Gm12321	500.64	397.07	390.34	343.90	297.98	295.58
TC1600000420.mm.1		123.68	165.82	142.55	81.89	93.03	111.68
TC0800001978.mm.1	Gm8051	23.17	24.58	25.47	21.10	15.42	16.05
TC0300000599.mm.1	Gm24544	38.52	33.92	33.15	30.73	25.92	25.41
TC0400003907.mm.1	Gm13018; RP23-416J8.1	205.68	198.92	231.38	164.28	145.00	109.06
TC0900003214.mm.1		24.18	26.39	31.24	21.51	14.77	16.21
TC1800000225.mm.1		2573.70	2384.05	2655.49	1904.85	1101.59	1536.26
TC1700002748.mm.1	Gm15405; RP23-75D10.1	83.25	79.07	79.39	53.61	71.22	57.10
TC0400001702.mm.1	Gm25772	13050.07	10960.26	13059.85	10507.26	8710.37	9002.13
TC1500001913.mm.1		67.97	80.96	74.50	50.96	63.95	51.50
TC0X00001614.mm.1		63.99	83.06	63.83	46.86	36.31	51.47
TC0700003494.mm.1		35.75	39.02	38.16	27.78	33.91	27.79
TC0500000929.mm.1		264.43	340.94	279.66	203.19	177.58	233.40
TC0700001809.mm.1	Gm20367	231.84	202.60	222.73	186.67	145.25	168.88
TC1000001778.mm.1		37.59	41.72	30.24	22.67	21.20	28.02
TC0700001092.mm.1		32.59	25.59	33.45	22.43	21.15	23.73
TC0600002753.mm.1		41.99	33.27	35.26	30.32	27.40	27.58
TC0600002179.mm.1		43.57	38.50	44.53	29.91	31.95	36.79
TC0800001004.mm.1		35.38	43.99	43.12	26.85	31.00	32.71
TC0500000460.mm.1		173.96	277.08	259.81	104.00	121.31	155.68
TC1900000453.mm.1		689.18	846.10	664.36	459.82	535.63	578.51
TC0900000555.mm.1		103.42	85.49	83.96	74.57	56.19	61.79
TC0X00002552.mm.1		422.70	532.69	422.54	318.53	267.14	358.47
TC0200000687.mm.1		42.91	40.89	33.96	31.57	30.26	30.49
TC1700000212.mm.1		76.58	105.72	84.74	68.24	59.39	59.76
TC1400001254.mm.1	Gm19845	29.31	26.32	33.40	16.76	19.39	23.74
TC0800001368.mm.1		37.61	35.78	37.59	26.13	28.13	33.29
TC1000000429.mm.1	Gm27731	299.69	354.21	240.37	191.53	122.60	182.75
TC0600002897.mm.1	n-R5s165	57.82	45.07	62.72	38.22	36.00	41.31
TC0400000635.mm.1		21.58	22.20	20.85	19.08	14.52	16.13
TC0400003062.mm.1	Gm12651; RP23-3E2.2	447.40	380.48	377.20	294.35	222.42	309.73
TC0300000488.mm.1		93.87	118.98	97.38	55.90	76.37	74.70
TC1200001232.mm.1		38.71	31.97	41.76	30.17	26.21	26.72
TC0300000073.mm.1		291.92	241.85	164.48	130.29	136.53	115.30
TC0500000574.mm.1		291.92	241.85	164.48	130.29	136.53	115.30
TC0800001607.mm.1		291.92	241.85	164.48	130.29	136.53	115.30
TC1200000534.mm.1		291.92	241.85	164.48	130.29	136.53	115.30
TC1500000226.mm.1		29.25	30.86	30.78	25.91	19.93	24.29
TC1700001298.mm.1		18.93	20.36	19.61	17.84	14.70	14.57
TC1300001227.mm.1		19.95	16.00	16.90	12.83	14.77	12.84
TC1200001680.mm.1		364.63	346.12	296.78	247.65	201.72	267.79
TC1200000360.mm.1		111.48	136.75	118.57	71.61	75.14	100.70
TC0700000947.mm.1		19.90	19.83	19.37	15.35	17.45	13.39
TC0400001476.mm.1		186.42	203.59	186.35	156.58	100.17	122.85
TC1600000884.mm.1		74.13	62.10	64.29	42.42	27.26	46.53
TC0200000590.mm.1	Gm26236	1359.73	1442.22	1443.17	1138.75	870.85	1147.80
TC0400000892.mm.1	Gm13284	114.45	95.15	72.79	58.81	45.87	61.40

TC040000482.mm.1		16.55	14.11	15.94	11.04	13.20	12.60
TC0700001095.mm.1		155.24	174.40	200.14	135.19	132.65	142.65
TC0500003701.mm.1		24.38	29.53	25.40	18.66	15.01	21.10
TC1100002483.mm.1	Rpsa-ps4	347.00	298.10	266.12	241.28	228.75	231.01
TC0X00003109.mm.1		22.99	26.89	32.52	19.44	17.95	20.31
TC0100001797.mm.1		38.36	32.74	37.08	29.75	21.15	25.32
TC0400002910.mm.1	Gm11261; RP23-189G9.1	295.23	296.95	260.33	215.75	182.84	239.99
TC0600002830.mm.1		38.22	46.75	47.43	34.16	31.48	24.86
TC0100003118.mm.1		102.72	129.32	116.37	77.38	45.52	73.91
TC0100002968.mm.1		33.25	34.16	26.90	20.96	25.71	21.70
TC0800002474.mm.1		50.87	69.30	51.29	32.97	42.00	38.89
TC0300002649.mm.1		54.06	71.07	45.06	34.95	36.53	36.91
TC1900000997.mm.1	Gm8034	108935.20	104160.00	135339.80	89304.27	59063.51	71408.67
TC0800002498.mm.1		202.02	207.21	197.48	123.98	92.75	158.41
TC0X00001966.mm.1	Gm27910	3124.83	3418.09	2558.69	1703.96	850.71	1705.34
TC0100003494.mm.1		31.45	26.68	24.79	16.88	22.43	19.17
TC1600000985.mm.1	1110008E08Rik	17.90	15.71	17.53	13.05	14.98	11.98
TC0X00001273.mm.1		41.37	55.18	46.77	34.76	32.69	37.86
TC1700000051.mm.1	n-R5s26	156.69	181.75	143.19	51.04	72.21	111.49
TC1500001493.mm.1		107.21	157.44	96.39	51.46	56.42	79.99
TC0500000741.mm.1		17.52	20.79	20.07	15.80	15.63	16.92
TC0300000603.mm.1		202.80	203.54	217.56	167.66	102.59	129.74
TC1700000849.mm.1	Runx2os1; AC165141.1	237.19	223.27	253.28	193.39	131.66	167.83
TC1200000764.mm.1		409.45	520.29	430.38	316.26	265.21	359.95
TC1300000533.mm.1		409.45	520.29	430.38	316.26	265.21	359.95
TC1500001235.mm.1		409.45	520.29	430.38	316.26	265.21	359.95
TC1800000149.mm.1		409.45	520.29	430.38	316.26	265.21	359.95
TC0900000331.mm.1		118.57	139.73	131.66	112.20	86.49	92.90
TC0600001157.mm.1		179.76	200.25	223.31	90.57	102.77	156.43
TC0500002463.mm.1	Gm23967	181820.70	174313.30	167942.20	161004.10	139285.20	135845.30
TC0200000068.mm.1		1229.84	1382.97	1019.17	898.22	607.08	782.67
TC1100000646.mm.1	LOC100862216	22775.68	22246.63	23004.60	18533.94	12588.89	16481.15
TC0X00001616.mm.1		58.95	46.38	51.95	36.84	38.45	43.68
TC0200002717.mm.1		82.27	66.40	60.83	51.93	43.44	52.05
TC0200003223.mm.1	Gm13372	48.18	35.62	44.32	30.45	23.62	31.20
TC0100000539.mm.1		54.56	80.44	68.34	43.31	28.57	43.33
TC0900002808.mm.1	9330159M07Rik	102.02	99.07	90.38	78.90	78.15	88.35
TC0100002317.mm.1		63.81	96.41	80.85	56.42	49.74	53.22
TC1200000405.mm.1		144.76	151.26	191.31	121.19	78.19	100.71
TC1500000178.mm.1		35.79	42.72	29.29	25.43	23.63	25.44
TC0600002297.mm.1	Gm15572	38.04	35.88	42.65	29.82	34.09	29.43
TC0800001929.mm.1		50.35	44.91	50.67	41.46	31.66	37.47
TC0300000023.mm.1		48.51	62.22	64.62	40.88	45.77	40.68
TC0X00001967.mm.1	Gm27839	2213.80	2296.47	1802.48	1218.80	595.46	1185.25
TC1200001171.mm.1	Mir323	16.04	11.46	12.23	9.99	8.83	8.21
TC0200003306.mm.1	Gm23369	686.23	709.32	813.74	634.14	491.79	506.28
TC0600001597.mm.1		129013.70	151480.30	151473.10	101992.40	120854.20	117197.60
TC0900003211.mm.1		25.34	27.84	28.99	23.45	18.01	21.12
TC1100004004.mm.1		15.62	19.67	17.84	11.64	12.22	14.82
TC1100003449.mm.1		3348.67	3391.20	3029.97	2614.93	2608.48	2965.87
TC1200001082.mm.1		57.31	51.47	58.31	49.97	41.81	42.63
TC1500000038.mm.1		116.96	135.96	105.05	59.22	77.19	90.86
TC0200004041.mm.1	Gm13765; RP23-309M6.3	617.68	774.09	640.82	433.09	298.69	490.47
TC0100002958.mm.1		22.70	17.74	22.38	16.68	15.74	15.54
TC1300002746.mm.1		66.17	56.34	52.90	41.31	41.14	49.31
TC0X00001145.mm.1	Gm14897	1724.83	1977.44	2081.80	1464.66	975.98	1350.89
TC1400001317.mm.1		19.76	16.26	21.11	12.24	15.38	11.26
TC1600000868.mm.1	Gm21816	49.60	70.83	66.23	26.21	41.34	38.68
TC1100000868.mm.1		49.00	46.81	41.47	40.23	34.04	35.09
TC0700001277.mm.1		155.31	246.65	203.45	130.23	119.06	133.71
TC1200001368.mm.1		86.98	109.73	70.72	63.94	44.11	44.77
TC1800000348.mm.1	Vaultrc5	34.61	44.30	36.48	31.29	26.76	24.08
TC1800001093.mm.1	Gm7847	8553.92	7034.70	6433.67	5897.14	4880.31	4615.23
TC0200000252.mm.1	Gm13312	100.94	79.88	93.41	69.66	40.54	52.27
TC0200000030.mm.1		137.27	151.05	130.29	81.78	77.72	116.87
TC1300002394.mm.1		26.88	32.93	30.44	19.06	24.83	22.53
TC1000000177.mm.1	Gm1972	82.73	100.06	97.64	80.28	67.32	67.16
TC1000000102.mm.1		37.33	51.03	30.22	22.41	25.39	22.57
TC0700003713.mm.1		47.24	40.14	51.66	36.72	26.16	31.69
TC0100000218.mm.1		67.59	89.22	75.77	53.86	46.27	61.44
TC0500000568.mm.1		22.62	31.61	38.34	18.54	19.33	16.38
TC1200000722.mm.1		18.60	19.10	17.91	11.94	16.40	12.87
TC1100001421.mm.1		146.10	155.59	137.96	89.65	48.03	92.77
TC1300002159.mm.1		35919.57	36521.63	34603.80	30953.57	23058.69	27727.51
TC1200002245.mm.1		101.01	145.97	116.48	91.49	65.93	71.24
TC1000002087.mm.1	LOC100862325	439.36	294.33	287.79	174.86	122.69	219.22
TC0X00000492.mm.1	Gm6591	14.56	13.49	14.00	12.74	10.22	10.25
TC1600000444.mm.1		78.12	86.31	72.37	66.23	45.52	47.25
TC1700000175.mm.1		191.45	180.97	189.40	126.85	143.36	166.91
TC1100002722.mm.1	Gm11187; RP23-388J21.1	142.20	154.06	150.33	130.21	92.82	101.96

TC0800002943.mm.1		163.98	191.11	168.54	75.06	120.94	120.86
TC0900000088.mm.1		67.37	65.51	83.17	30.94	52.75	43.53
TC1400001885.mm.1		332.43	353.12	423.52	255.90	172.05	261.50
TC1500002060.mm.1		21.90	18.97	23.25	18.26	16.33	15.40
TC0100000178.mm.1		464.88	361.40	322.20	247.65	183.84	267.64
TC1700002364.mm.1		464.88	361.40	322.20	247.65	183.84	267.64
TC1900001325.mm.1		43.91	49.56	40.82	29.59	20.04	32.83
TC1300002398.mm.1	Gm24498	54.04	44.13	40.86	34.99	36.15	34.73
TC1400001261.mm.1		69.96	103.25	73.60	57.37	47.04	54.51
TC0X00001706.mm.1		75.90	90.84	86.23	49.30	60.82	69.00
TC0900001947.mm.1		17.80	19.54	19.81	13.16	16.54	15.47
TC0200000700.mm.1	Gm13588	37312.64	31720.67	47178.24	27945.93	16253.47	18843.47
TC1800000876.mm.1		255.77	288.52	212.14	198.35	168.56	180.21
TC0600000391.mm.1		15.55	18.45	13.64	11.58	11.12	12.51
TC0500001563.mm.1		101.88	85.61	116.48	53.54	73.85	71.47
TC1900001047.mm.1		403.35	602.29	509.45	347.55	290.74	353.11
TC1200001695.mm.1		21.18	22.00	16.94	11.58	14.83	15.09
TC1500002013.mm.1		120.45	106.28	107.53	82.47	48.29	72.32
TC1000002662.mm.1	Gm26180	2061.50	1916.73	2336.42	1763.69	1388.88	1607.18
TC0900001799.mm.1		17.04	19.23	23.07	13.01	15.80	12.29
TC0400002816.mm.1		219.84	268.42	170.84	115.79	87.62	148.95
TC0600001262.mm.1	LOC100504971	367.64	410.74	383.34	232.11	278.76	329.33
TC1200002336.mm.1		16.39	18.30	19.38	15.77	13.83	12.88
TC1200000949.mm.1		831.58	876.31	949.18	783.04	605.77	610.99
TC0X00000498.mm.1	Gm16431	16.00	13.85	14.80	12.75	9.99	11.78
TC1600000669.mm.1	Gm10808	154.94	146.71	157.11	116.32	72.38	106.50
TC0500002787.mm.1		210.70	202.61	187.17	168.30	124.08	153.97
TC1900001061.mm.1		74.74	59.77	51.22	41.89	42.74	31.03
TC1200002258.mm.1		80.92	87.63	69.50	61.71	61.76	48.75
TC0400002393.mm.1		344.98	413.44	324.83	247.15	259.39	300.71
TC0900000900.mm.1		25.97	21.27	21.67	13.97	19.10	15.87
TC0X00000857.mm.1	Gm16412	12633.68	11305.71	13554.09	10785.35	8228.56	8753.51
TC1300001306.mm.1		26.33	29.36	24.52	16.26	19.86	22.12
TC0X00001256.mm.1		214.55	344.05	214.50	137.63	169.17	125.28
TC0200001016.mm.1		35.70	33.23	34.89	31.11	23.63	25.45
TC1500000176.mm.1		74.00	67.11	70.42	44.49	61.82	49.38
TC0300002651.mm.1		73.30	78.06	88.35	59.24	67.42	51.14
TC0X00001437.mm.1	Gm15057	58.03	51.74	40.49	38.33	31.01	31.14
TC0700001267.mm.1	Prss23os; RP24-64C6.1	121.44	109.14	102.31	81.46	64.30	90.43
TC0600001835.mm.1	Gm22155	7414.47	5403.92	5589.91	4540.03	2708.12	2487.65
TC1800000817.mm.1		43.44	39.96	55.38	24.65	19.17	33.90
TC1600001963.mm.1		27.49	21.93	25.61	19.49	19.85	20.84
TC1700002705.mm.1		40.99	35.77	33.01	29.64	23.33	28.32
TC1500000435.mm.1		66.90	85.11	78.73	47.89	60.93	58.68
TC0600003293.mm.1	Gm23375	4712.78	4902.13	4542.46	3311.08	2631.91	3948.30
TC1200000365.mm.1		118.93	137.56	135.91	111.24	80.24	93.23
TC1900000783.mm.1		57.59	80.48	76.46	52.73	51.19	45.15
TC1700000524.mm.1		52.81	48.83	49.09	42.12	27.53	33.91
TC0700001670.mm.1		24.57	21.62	21.88	10.64	15.95	16.83
TC0100003703.mm.1		49.65	74.63	63.33	25.75	28.84	45.18
TC0600000310.mm.1		35.04	28.72	26.55	20.72	21.09	24.50
TC1400001071.mm.1		34.15	47.95	39.81	24.72	31.03	28.23
TC1100002325.mm.1	Mir1933	58.57	72.90	60.09	53.45	42.73	46.27
TC1300002728.mm.1		63.10	59.99	67.64	40.15	32.69	52.42
TC1300001963.mm.1		48.09	79.01	57.63	39.66	36.89	27.91
TC1500000486.mm.1		37.49	46.85	45.15	30.23	36.39	31.54
TC1200001303.mm.1	Gm19349	99.99	131.80	114.31	85.00	63.07	85.40
TC1500000140.mm.1	Gm25101	7331.42	6593.87	7294.05	5940.60	4454.35	5570.40
TC1000001201.mm.1		206.92	296.29	239.65	164.71	150.31	188.62
TC1500001454.mm.1		18.84	20.02	16.95	16.43	13.52	13.42
TC1500002179.mm.1	Snora2b	89.53	95.43	80.83	70.99	63.30	76.94
TC0300001690.mm.1	Gm23686	95427.80	94142.35	105883.30	81319.49	52282.68	65186.72
TC0800001825.mm.1		42115.10	44097.80	40220.99	32271.84	29589.87	37982.59
TC0X00003296.mm.1		36.45	30.39	36.12	16.51	23.16	26.13
TC1700002302.mm.1		73.52	67.20	72.04	49.05	40.56	60.25
TC0100001922.mm.1	4732440D04Rik; AC139064.2	67.62	66.02	58.84	55.65	45.28	52.22
TC1300000999.mm.1		25.45	33.56	22.28	18.38	18.11	18.65
TC0300000315.mm.1		20.35	26.07	21.77	18.79	16.37	17.20
TC1400000129.mm.1		52.64	44.18	52.80	40.97	35.70	41.49
TC0700001142.mm.1		144.86	188.89	171.07	134.81	118.79	131.30
TC0400000054.mm.1		51.37	54.41	52.99	30.57	34.81	45.78
TC0700003840.mm.1	Gm7027	2498.14	1927.62	2330.27	1847.94	1542.31	1656.28
TC1200000221.mm.1		139.58	126.84	117.33	112.60	98.63	93.08
TC0200001060.mm.1	Ak3l2-ps	112.28	149.07	127.31	102.95	98.76	96.00
TC1600001291.mm.1		32.78	33.27	30.05	28.94	23.35	25.41
TC1100002500.mm.1		124.17	149.11	120.85	82.30	85.83	110.75
TC0600000219.mm.1		240.69	304.76	249.93	174.71	220.21	189.87
TC0400000478.mm.1		80.62	108.67	91.65	55.06	61.68	74.91
TC0100000586.mm.1		241.07	285.53	316.15	227.76	184.54	206.77
TC1000001588.mm.1		72.86	78.71	69.95	38.12	58.91	52.06

TC1200001636.mm.1		42.36	36.97	41.22	36.41	32.21	32.05
TC0500000831.mm.1	Eif5a13-ps	8657.98	8596.29	6953.72	6735.86	5228.44	5679.24
TC1500000219.mm.1		51.55	62.00	54.54	42.87	40.43	48.94
TC1700000687.mm.1	Gm8752	60.35	71.84	71.92	46.82	47.11	58.91
TC1000002617.mm.1		19.10	15.38	20.29	14.42	13.87	13.48
TC1200001951.mm.1	Mir5135	91.94	98.50	98.06	71.54	88.53	74.62
TC0200000910.mm.1		55.08	65.19	55.98	42.46	43.51	51.60
TC0500001463.mm.1		19.63	17.34	19.12	17.08	14.96	14.97
TC0800000914.mm.1		62.26	77.72	65.98	50.32	36.28	51.95
TC1400002404.mm.1		19.82	16.71	22.20	14.51	13.84	15.83
TC1500000817.mm.1		44.46	55.14	46.59	38.88	28.00	35.66
TC0500002513.mm.1		20.84	23.72	28.14	14.96	19.26	17.09
TC1300000108.mm.1		27.05	26.61	27.20	21.41	25.19	20.59
TC0400001704.mm.1		149.77	186.29	156.44	136.42	123.54	107.32
TC1700000848.mm.1	Runx2os2; RP24-535G5.2	12.16	14.66	14.32	11.23	11.01	9.08
TC0800002937.mm.1	Gm24103	1751.47	1348.25	1599.08	1304.75	1051.96	1035.44
TC0100000728.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100000745.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100000759.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100002710.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100002715.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100002717.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC0100002720.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456210_random00000001.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456211_random00000007.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456211_random00000029.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456212_random00000005.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456221_random00000011.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1_GL456221_random00000018.mm.1		37.23	36.36	37.39	24.06	25.68	33.22
TC1500000964.mm.1		17.20	16.50	13.68	11.03	11.43	13.34
TC0700004435.mm.1		16.34	12.55	12.96	11.42	9.20	8.84
TC0900002208.mm.1		166.32	163.82	147.98	129.79	117.75	143.02
TC0700000992.mm.1		63.58	69.79	55.00	48.43	48.65	52.59
TC1400000840.mm.1	Gm16261	155.71	130.11	137.71	121.18	99.48	88.91
TC1800001709.mm.1		41.62	43.43	42.94	24.72	35.85	31.94
TC0600001819.mm.1	Gm8652	964.91	873.84	1058.73	825.97	620.27	703.55
TC1200001867.mm.1	Gm23018	124.92	129.45	150.88	108.12	70.01	91.04
TC1900000688.mm.1		88.18	111.99	80.00	61.85	63.17	72.86
TC1300000057.mm.1		23.12	18.15	26.36	16.43	16.14	14.12
TC0400000034.mm.1		84.74	124.33	101.17	63.59	44.53	72.14
TC1500000042.mm.1		79.26	102.04	86.41	74.01	53.97	52.59
TC0900001550.mm.1	Gm17396	39.93	34.84	31.90	30.41	27.15	26.92
TC1800001706.mm.1		38.55	36.71	32.64	21.22	26.51	29.85
TC0400003431.mm.1	Gm12959	82.65	81.76	83.66	75.24	56.52	61.35
TC0X00002484.mm.1		26.67	33.13	22.81	16.47	20.95	18.19
TC0900001687.mm.1		20.37	23.10	23.39	20.01	16.72	17.56
TC0900000297.mm.1		43.35	48.36	41.84	37.45	27.17	33.69
TC0X00001984.mm.1	Gm27341	4952.97	5810.54	4151.88	2853.76	1558.28	3114.95
TC1100003994.mm.1		27.53	18.82	18.56	13.34	13.55	15.42
TC1000001757.mm.1		236.99	356.76	234.34	181.71	167.13	182.24
TC1200000160.mm.1		162.93	170.65	182.85	121.94	89.61	138.74
TC0100003115.mm.1		69.73	71.23	62.69	54.01	37.61	51.64
TC1100002501.mm.1		79.45	80.92	63.06	55.84	60.23	56.77
TC0700001075.mm.1	Gm27459	807.04	907.28	522.39	436.15	236.06	384.68
TC0100003359.mm.1		27.81	34.08	20.62	16.14	18.77	15.95
TC0100003336.mm.1		61.26	96.09	55.16	42.54	38.97	41.51
TC1600000990.mm.1	Gm7831	42.71	36.59	40.23	34.27	24.60	28.77
TC0400002968.mm.1		61.09	50.26	73.28	24.06	23.78	45.41
TC0100000187.mm.1	Gm23771	110.60	117.06	107.87	103.35	87.31	84.18
TC1300001219.mm.1		19.81	23.97	18.92	17.50	13.38	14.68
TC1300000413.mm.1		39.03	35.01	37.49	25.73	25.61	33.45
TC0700000294.mm.1	Gm25134	589.33	508.63	615.63	458.83	421.12	492.90
TC1300000254.mm.1	Gm22452	402.02	579.27	466.51	192.47	352.76	253.80
TC1000000181.mm.1	Gm16531	66.87	82.38	81.62	65.60	52.93	55.56
TC1300002381.mm.1		243.50	307.82	224.72	190.73	137.95	183.51
TC0900000961.mm.1	Gm19353	1622.03	1468.54	1537.52	1350.65	927.97	1046.57
TC0100003330.mm.1		96.54	108.10	92.37	73.90	88.66	73.84
TC0800002446.mm.1		83.10	108.07	99.24	71.71	58.20	76.86
TC0300003114.mm.1		39.57	50.45	43.46	30.52	32.39	37.64
TC0X00002642.mm.1		85.95	93.25	66.07	54.27	56.52	62.79
TC0100003685.mm.1		152.47	202.62	173.37	113.23	134.56	138.69
TC0200004299.mm.1		12.09	12.19	14.51	11.24	9.39	8.97
TC1400002249.mm.1		74639.35	69068.98	74966.00	66442.96	54310.84	51655.19
TC0600001893.mm.1	LOC100862080	292.17	237.50	193.92	168.84	117.48	158.10

TC100000323.mm.1		41.27	44.98	33.58	31.69	29.04	30.17
TC030000879.mm.1		20.32	18.40	19.55	14.60	13.64	17.63
TC0X0000877.mm.1		43.47	35.72	33.08	29.69	22.00	26.88
TC0X00001840.mm.1	Gm14473	472.26	449.39	507.14	420.88	346.83	307.77
TC0200004195.mm.1	Gm13805; RP23-392O16.1	234.70	245.68	188.29	163.74	114.38	161.34
TC0100002263.mm.1		186.49	151.74	150.44	119.06	97.52	132.51
TC0700003435.mm.1	Gm23957	52.91	44.11	51.99	41.81	29.45	27.16
TC0800001819.mm.1		278.54	341.20	273.98	219.39	129.89	194.45
TC0200002840.mm.1		84.35	100.47	78.86	73.91	59.89	64.98
TC0200003598.mm.1		84.96	99.66	98.73	65.95	81.14	57.72
TC1300001498.mm.1		16.60	22.61	21.51	14.41	13.41	15.94
TC1400002129.mm.1	C030013D06Rik; RP23-121M22.4	105.42	135.24	97.23	65.12	48.80	83.85
TC1100001000.mm.1		55.38	63.87	74.54	40.57	36.58	52.43
TC1600001724.mm.1		47.28	63.37	34.65	26.38	29.87	26.95
TC0400002881.mm.1		28.58	22.41	19.87	14.33	18.30	12.88
TC0200004572.mm.1	Gm14012; RP23-340F21.2	27.90	32.06	33.58	26.82	24.62	21.66
TC1100000628.mm.1	Gm24198	105.79	127.77	133.62	90.58	91.83	64.27
TC0900000932.mm.1		361.65	471.00	394.13	335.23	312.75	309.83
TC1000000189.mm.1		75.05	81.40	62.73	49.55	19.86	15.35
TC1000001875.mm.1		75.05	81.40	62.73	49.55	19.86	15.35
TC0X00001258.mm.1		42.59	41.26	59.84	25.41	26.33	36.36
TC0400003614.mm.1		39.11	39.61	33.15	27.15	28.68	32.63
TC1800001347.mm.1		52.89	57.58	45.12	43.12	29.98	34.07
TC1400001542.mm.1		67.55	78.65	56.53	49.13	52.03	49.67
TC0400000050.mm.1	Gm25355	75214.18	80631.34	79951.77	69124.98	48094.65	56338.54
TC0400001074.mm.1	Gm23064	75214.18	80631.34	79951.77	69124.98	48094.65	56338.54
TC0400001967.mm.1	Gm13067; RP23-169H13.4	58.43	54.90	50.57	40.88	24.80	38.12
TC0400002078.mm.1		117.50	159.63	137.85	111.55	99.37	91.38
TC1200000361.mm.1		141.98	160.89	113.00	81.63	59.55	101.65
TC1300001249.mm.1	Gm15289	105.18	99.25	109.30	82.96	83.35	97.34
TC1300002650.mm.1		11.59	13.20	12.91	9.92	10.05	11.48
TC1000002908.mm.1		85.87	77.38	104.19	58.06	65.03	71.60
TC0400000636.mm.1	Gm24277	41.92	43.49	71.85	31.76	30.37	23.23
TC0700003707.mm.1	Gm15661	531.59	614.86	710.11	506.33	377.15	347.98
TC1600000875.mm.1		286.91	454.82	235.08	116.13	111.13	204.66
TC1400001318.mm.1	B930095G15Rik	46.20	41.11	41.28	33.28	22.40	32.37
TC0800000875.mm.1		27.48	23.07	25.41	19.56	22.13	17.36
TC1800000264.mm.1	Gm26378	7955.49	6842.46	7723.91	6041.55	6060.53	6779.94
TC0600003535.mm.1	E130112N10Rik; Vamp1	86.67	75.09	94.60	73.11	64.10	65.76
TC1900000346.mm.1		96.88	98.66	88.89	74.76	63.49	83.64
TC0100003624.mm.1		161.85	224.32	137.04	120.44	104.38	102.05
TC1400001126.mm.1		41.93	26.56	27.87	22.48	18.09	18.63
TC1200002054.mm.1		131.02	163.39	149.87	122.47	91.18	110.99
TC0700002227.mm.1		6172.88	6326.55	5574.77	5518.16	4696.24	4751.13
TC1000002115.mm.1		221.56	246.57	250.39	197.04	151.38	197.15
TC0600001555.mm.1		29.99	26.89	34.54	20.17	23.76	24.89
TC0400000105.mm.1		43468.55	49207.21	48790.42	40856.18	31618.38	37957.67
TC1200001705.mm.1		25.17	41.94	30.76	21.05	18.08	21.36
TC0600003309.mm.1		34.89	29.99	35.38	18.49	26.07	25.78
TC0200000281.mm.1		98.90	84.44	65.09	56.89	53.58	37.65
TC0300001438.mm.1		29.96	54.69	39.24	21.14	26.86	21.06
TC1200001213.mm.1	LOC100861856	86.25	96.84	77.18	74.19	64.77	58.74
TC0100002115.mm.1	Gm27430	2205.97	2964.40	1739.29	1345.98	1040.17	1524.58
TC0900002824.mm.1	Gm16200	8080.49	7778.60	9120.25	7473.63	6282.08	6128.71
TC1300001312.mm.1		53.42	49.32	39.05	32.39	37.95	32.94
TC1300002630.mm.1	Mir325	12256.56	17537.21	15492.95	7293.93	11579.56	8888.92
TC0100001460.mm.1		262.55	369.97	237.04	185.59	172.29	204.81
TC0200000692.mm.1		64.17	52.02	46.31	34.25	34.72	43.79
TC0800001290.mm.1		166.11	188.37	171.84	94.04	125.22	144.39
TC1400001742.mm.1		75.90	116.16	82.45	53.61	61.64	64.07
TC0100003490.mm.1		28.07	42.53	41.62	25.52	22.11	25.29
TC1100003389.mm.1		272.28	299.98	321.28	222.69	135.13	208.43
TC1000000190.mm.1		2104.54	2212.22	2023.06	1777.36	1183.03	1542.37
TC1500000117.mm.1		2104.54	2212.22	2023.06	1777.36	1183.03	1542.37
TC0400000473.mm.1		77.61	143.38	88.38	49.50	30.35	59.56
TC0800000780.mm.1	Gm27628	283.59	455.86	266.24	203.58	137.99	195.82
TC0500000089.mm.1		52.18	64.81	47.71	41.89	39.50	42.86
TC1900000305.mm.1		19.72	25.70	21.71	16.58	16.78	18.67
TC1300002584.mm.1		145.64	166.40	159.99	100.36	110.88	139.41
TC0400001718.mm.1	Mir6399	34.90	41.79	39.07	28.61	17.35	26.94
TC1400000209.mm.1		20.84	26.61	24.82	14.15	13.63	20.19
TC1700000128.mm.1		54.41	62.87	51.26	39.46	33.80	47.66
TC1600000879.mm.1		115.67	154.38	117.37	58.32	58.11	101.40
TC0X00002693.mm.1		31.76	31.81	30.15	28.48	21.88	21.04
TC1100002137.mm.1		17.53	22.12	23.06	16.77	15.65	15.85
TC0400001860.mm.1	Gm13224	2467.88	2239.87	2703.66	2102.34	1455.54	1727.58
TC0200000925.mm.1		62.81	72.42	77.22	50.88	43.61	60.15
TC0400000290.mm.1		39.59	51.51	42.68	36.98	33.79	33.27
TC1500000943.mm.1		73.61	66.70	58.70	56.30	53.15	48.27

TC0100000833.mm.1	Gm25198	80.11	121.61	96.29	67.09	64.96	72.53
TC0800000377.mm.1		39.90	33.80	32.78	24.65	29.97	20.84
TC0400002452.mm.1	Gm25931	2458.68	3285.56	1864.97	1037.84	738.91	1652.85
TC0900001143.mm.1		108.39	113.72	97.97	94.89	70.41	76.20
TC1100000163.mm.1		28.48	38.08	35.71	18.72	27.17	22.81
TC1500001404.mm.1		66.22	52.60	48.76	39.88	38.45	45.08
TC0300001068.mm.1		62.42	65.27	51.55	48.48	48.92	46.88
TC1100004119.mm.1		101.39	123.60	112.91	68.45	77.44	97.00
TC0400000033.mm.1	Gm20021	51.09	61.48	61.40	48.42	47.37	49.04
TC0600001311.mm.1		175.00	126.35	182.66	75.96	82.78	123.82
TC1600000909.mm.1		175.00	126.35	182.66	75.96	82.78	123.82
TC0300000454.mm.1		191.41	323.93	222.88	142.70	73.71	135.05
TC1600000481.mm.1		51.17	44.98	48.45	42.10	27.73	28.59
TC0100001109.mm.1		94.11	112.64	94.45	73.16	39.97	64.43
TC0400001548.mm.1		57.23	74.73	73.69	54.97	52.44	48.74
TC1500000252.mm.1		80.81	100.81	78.79	54.36	54.27	73.12
TC1300001213.mm.1		25.64	32.19	33.46	18.44	24.90	21.34
TC1300002232.mm.1	Gm27501	2130.15	2609.09	2174.11	1612.92	1027.63	1679.86
TC1000002849.mm.1		21.31	32.17	25.21	19.00	12.85	16.85
TC0800002075.mm.1		29.68	25.69	29.35	25.22	20.58	19.21
TC1700002402.mm.1	Gm24194	240.44	344.40	243.21	156.77	155.90	213.31
TC1900001409.mm.1	Gm27440	820.89	958.79	800.07	606.73	379.43	625.49
TC1100001951.mm.1	Gm24323	3742.05	3653.82	3625.02	3358.62	2519.04	2449.78
TC0500002812.mm.1	Mir703	36292.47	36074.24	41069.50	25767.42	23596.72	33453.02
TC1500001914.mm.1		113.11	160.58	133.43	76.42	63.90	106.05
TC1600000871.mm.1		132.11	153.58	95.61	76.07	62.28	90.20
TC0900001412.mm.1		50.81	72.56	61.06	47.76	43.67	42.21
TC1400000814.mm.1		23.85	34.01	30.64	19.34	23.25	19.54
TC1500000061.mm.1		13.29	16.02	16.33	12.58	12.68	11.09
TC0100002695.mm.1		66.95	83.86	69.46	56.81	35.16	49.79
TC1100003242.mm.1		54.48	37.17	61.03	29.02	35.56	29.37
TC0400002173.mm.1	Gm11794	366.84	376.60	311.72	284.90	306.03	286.73
TC1900000472.mm.1	Pten	578.98	616.57	538.69	418.88	309.90	475.11
TC1000002412.mm.1		77.87	82.32	77.91	66.18	44.27	59.82
TC1100000795.mm.1		125.32	180.66	113.40	90.79	52.64	82.06
TC1800000972.mm.1	Gm26244	188.08	181.03	232.59	145.14	124.74	165.75
TC0300002175.mm.1		57.73	45.44	54.05	37.63	43.65	41.98
TC0700002737.mm.1		1019.90	1054.19	990.94	901.94	814.20	665.82
TC1300000933.mm.1		19.45	19.87	18.04	12.03	15.13	16.49
TC1500002287.mm.1		40.66	39.25	41.72	31.55	25.86	35.80
TC1300001906.mm.1	Hsp25-ps1	4201.87	3163.19	2927.63	2501.28	1742.35	2342.70
TC1100000154.mm.1		220.39	214.98	178.45	172.52	129.06	112.91
TC1800000602.mm.1		18.01	16.49	18.73	10.76	11.85	15.70
TC1800000053.mm.1		84.98	117.89	107.09	59.55	46.12	79.80
TC1600000545.mm.1		93.74	100.58	68.54	58.44	48.15	65.15
TC1600001463.mm.1		24.01	23.45	20.39	18.72	17.63	20.15
TC0800000508.mm.1		751.61	809.95	665.36	507.42	396.50	613.97
TC1600000947.mm.1		66.35	70.35	67.32	53.83	64.14	53.33
TC1800001705.mm.1		60.22	75.05	64.60	32.98	49.45	49.59
TC0500002507.mm.1	Gm15794; AC132284.1	35.73	28.22	33.24	26.05	27.30	24.30
TC1600001536.mm.1		30.96	27.01	23.83	19.44	21.64	22.48
TC0200000787.mm.1		72.60	114.21	96.96	55.08	48.67	70.09
TC1200001753.mm.1	Gm24305	46252.26	43916.71	43968.51	38720.02	25113.25	31319.15
TC0500002834.mm.1		268.31	206.38	189.50	122.77	175.47	137.38
TC0100002239.mm.1	Gm23722	380.33	483.39	480.52	356.40	280.24	347.36
TC1900001327.mm.1		29.99	47.96	36.59	19.83	25.05	26.55
TC0300002508.mm.1	Rnu1b1	17773.46	15095.19	17739.27	13261.57	8016.53	11528.38
TC0600003303.mm.1		25.80	24.47	27.66	23.10	19.18	16.64
TC0100000842.mm.1	Gm15371	30.44	23.11	26.37	22.43	18.58	17.26
TC0400002329.mm.1		4112.71	4149.27	3727.89	3416.45	2293.71	2909.11
TC0600000488.mm.1	Gm15550	18.84	18.60	19.54	16.85	12.45	15.20
TC0100002453.mm.1	Gm11605	3065.31	3234.34	2511.48	2353.45	1791.88	2243.14
TC0400000606.mm.1		16.27	15.82	12.51	10.71	12.35	9.85
TC0X00002413.mm.1	Gm14736	34.13	45.50	39.12	28.25	30.15	32.53
TC0500002191.mm.1	Mir3473e	35.63	36.43	37.82	25.34	16.99	28.99
TC1100000207.mm.1		56.27	70.59	65.68	45.58	42.45	55.54
TC0200001665.mm.1		147.50	179.70	122.71	106.97	88.73	112.37
TC0300003078.mm.1		296.62	331.22	316.01	230.85	243.04	290.11
TC1100003213.mm.1	Rps12-ps19	3412.50	2762.79	3391.51	2473.78	1679.64	2351.76
TC1700002608.mm.1		77.63	140.33	69.71	43.50	37.17	56.62
TC1800001403.mm.1		19.90	17.97	15.25	12.15	14.92	13.11
TC1800000911.mm.1	Gm22694	1902.52	2003.11	2444.18	1686.53	948.87	1237.02
TC1500001959.mm.1		46.48	63.83	61.28	41.99	44.73	39.50
TC0200003612.mm.1		24.46	30.47	28.51	20.39	24.09	18.61
TC0200002259.mm.1	Gm14148	53236.66	54215.78	56885.21	50069.88	37226.96	41656.10
TC1200000707.mm.1		46.27	47.32	36.70	28.57	35.76	24.14
TC1500000223.mm.1		23.65	25.14	22.64	18.27	17.88	22.09
TC0200005093.mm.1		46.37	56.22	41.37	38.54	34.04	36.43
TC1000002724.mm.1		35.81	36.91	32.04	31.59	28.16	25.83
TC0300002026.mm.1		21.80	28.44	21.86	15.14	19.90	13.98

TC1100002922.mm.1		32.30	34.00	33.10	30.73	23.66	23.48
TC100000360.mm.1	Gm25526	40.82	46.79	60.68	34.11	34.17	36.62
TC0200001718.mm.1		207.22	219.11	165.84	141.01	131.93	164.34
TC0900002178.mm.1		136.37	142.02	154.38	102.52	91.23	128.91
TC0900000740.mm.1		33.73	44.17	33.59	22.31	29.57	27.01
TC0500001490.mm.1	Gm17131	5645.11	6763.68	8083.60	5139.32	2666.74	3667.66
TC0900002628.mm.1		39.19	33.19	41.76	29.80	23.00	30.53
TC0300002280.mm.1	Gm19382	27.19	39.82	32.14	22.34	21.83	25.70
TC0X00000016.mm.1	Gm15249; RP23-22L6.7	29.97	22.27	31.30	20.50	20.68	20.00
TC1900000085.mm.1	Gm19474	108.74	60.60	95.63	55.69	26.34	40.94
TC1500000955.mm.1	Gm22045	166.47	125.27	126.06	98.99	84.53	111.59
TC0400003643.mm.1		42.42	33.37	40.40	32.96	29.82	29.32
TC1200000934.mm.1		69.24	86.23	82.40	69.13	54.32	52.85
TC1700002530.mm.1		31.92	42.28	24.82	21.72	16.26	21.13
TC0300002661.mm.1		178.06	170.07	137.65	134.40	102.33	118.89
TC1300001184.mm.1		71.68	74.11	50.58	44.85	39.92	48.56
TC1600001823.mm.1		2094.16	2845.99	2507.75	2022.96	1247.59	1449.35
TC1000002027.mm.1		38.68	46.03	50.50	32.30	35.92	37.02
TC1100003772.mm.1	Gm27374	48.36	66.12	57.58	47.52	39.22	37.94
TC0400001264.mm.1	ZNFX1-AS1_2	12.43	15.25	14.67	9.90	12.01	11.45
TC1500001161.mm.1		2767.62	3132.71	2737.15	2542.75	1704.27	1884.66
TC0600002907.mm.1		25.59	29.23	28.41	19.52	21.15	25.20
TC0200003102.mm.1		275.46	377.45	306.97	265.22	200.09	196.72
TC1100004258.mm.1	Gm12587	1993.14	1972.36	1791.59	1724.90	1210.28	1341.65
TC0900002412.mm.1		55.12	58.26	53.33	36.53	38.24	50.73
TC0200001682.mm.1		504.48	542.19	604.28	483.61	329.61	337.24
TC0900002265.mm.1		297.67	312.23	455.05	265.41	190.72	164.31
TC1200000954.mm.1		3805.79	4602.16	4594.76	3692.72	2923.72	2469.96
TC0900000038.mm.1		13.12	10.60	11.58	10.36	9.03	8.59
TC0800003101.mm.1		1174.21	846.30	730.33	388492.10	229250.90	288281.60
TC1700001619.mm.1	Atp6v0c; Atp6v0c-ps2	4893.44	4802.17	4837.52	6486.43	6666.33	6379.08
TC0X00001712.mm.1		19.26	18.90	19.43	27.94	27.31	28.89
TC0900000702.mm.1	Gm6166	51872.00	50382.66	59099.32	164500.50	176247.60	186346.70
TC1200000195.mm.1		32704.27	33213.34	32810.89	48157.16	46281.32	49398.98
TC1800001587.mm.1	Gm14328	13606.86	12524.10	15199.70	50762.23	44599.04	47182.83
TC0200004759.mm.1	Snord17	633.09	647.68	652.68	1003.22	953.17	927.44
TC1600001433.mm.1	Gm20328	8.52	8.86	9.12	12.06	12.07	12.23
TC0800002027.mm.1	Gm6100	357.26	325.43	386.10	1071.80	959.81	1142.02
TC0700002138.mm.1	Gm15930	1387.53	1304.56	1168.88	3224.67	2912.66	3195.91
TC0900000541.mm.1	Fxyd2	62.25	59.00	52.94	350.91	253.32	269.87
TC0800000516.mm.1	Sorbs2	22.36	23.44	24.34	47.05	42.74	41.69
TC1800000050.mm.1	Fabp5l2	990.99	913.20	981.53	3693.21	2821.49	3546.01
TC0100000198.mm.1	Gm19680	157.05	149.39	152.67	248.17	280.61	254.44
TC0200000042.mm.1		442.41	410.83	463.32	1000.37	1046.78	1225.79
TC0200004450.mm.1	Gm13998	1314.49	1264.02	1514.41	5896.32	4304.70	5064.74
TC0700000689.mm.1		15.32	15.33	14.09	26.18	25.10	23.47
TC1100001243.mm.1	Al662270	205.12	209.16	192.08	330.24	302.99	309.13
TC0700000688.mm.1		26.35	28.43	28.12	36.43	36.63	37.09
TC0800000968.mm.1	Syce2	206.68	214.14	210.88	282.75	282.41	265.04
TC0200000372.mm.1	Gm13392	1322.65	1237.00	1153.86	2459.46	2186.14	2482.81
TC0300001634.mm.1	LOC100862399	1496.92	1496.80	1184.78	6948.25	5316.00	7830.62
TC0700002140.mm.1	Gm10693	177.93	182.38	177.41	381.90	312.67	348.14
TC1100002047.mm.1	Gm11771	184.91	157.88	184.55	515.29	441.45	405.98
TC1900001474.mm.1	Gm23800	46.43	45.97	45.41	62.53	70.18	65.48
TC0800000551.mm.1		13.37	12.16	12.28	17.10	17.59	17.29
TC0700001714.mm.1	Gm5601	25783.67	25540.90	23698.29	35047.69	34974.55	37602.91
TC0700002139.mm.1	Gm15925	2273.93	2315.05	2063.52	4226.00	3830.20	4602.65
TC0900000680.mm.1	Peak1os	3141.93	3137.01	3411.30	4729.64	5236.37	4785.21
TC1700001552.mm.1	Vmn1r-ps149	13.48	13.55	14.41	18.66	20.04	20.64
TC0500000010.mm.1		955.03	826.46	820.13	1578.53	1455.21	1631.39
TC0900001684.mm.1		15.64	14.70	14.33	19.27	19.71	20.25
TC1800001540.mm.1		13.56	13.30	14.37	18.36	18.74	17.58
TC1500000310.mm.1		9.68	9.15	9.32	12.92	11.89	12.30
TC1100000683.mm.1		46.43	42.73	42.87	71.85	63.51	66.15
TC1400001972.mm.1	Gm3601	37362.92	41103.34	38706.03	124430.60	89982.30	94939.79
TC0900001596.mm.1	Gm24044	190.57	179.99	184.97	240.59	265.99	261.12
TC0100003549.mm.1	Ly9	758.72	716.81	674.26	1805.03	1398.47	1803.03
TC0300000056.mm.1	C030034L19Rik	20.19	21.12	21.21	43.11	34.44	37.65
TC0100000928.mm.1		19.21	19.58	19.00	24.19	26.73	26.40
TC1500000192.mm.1		11.75	10.78	10.91	14.61	15.83	15.24
TC0700004005.mm.1		92.93	123.97	89.05	313.10	258.81	313.36
TC1100001258.mm.1		95.49	83.93	94.46	211.48	165.47	197.48
TC0600003220.mm.1	Gm15987; Mir7649	19.70	21.79	18.25	55.41	41.21	46.13
TC0900000119.mm.1	Gm24357	19445.70	20911.98	21853.33	30123.92	30732.44	28329.87
TC0100003438.mm.1	Gm16550	499.77	501.37	454.12	662.63	640.45	674.02
TC1600000747.mm.1		93.04	119.67	97.02	310.57	233.76	290.28
TC1100002845.mm.1	2610507I01Rik	68.34	67.67	67.18	84.08	93.19	92.07
TC1900000104.mm.1	Gm5510	1420.32	1283.92	1226.83	1932.73	1861.59	1926.84
TC1200001701.mm.1	Gm25015	15.46	14.28	14.16	21.45	20.66	19.40
TC1700000342.mm.1	Rab26os	136.23	116.27	132.42	190.42	191.50	192.81

TC1400001677.mm.1		34.91	36.09	40.27	54.03	54.37	51.95
TC0200001411.mm.1	Pex16	161.39	156.31	159.01	197.66	219.88	218.51
TC0300001021.mm.1		11.35	12.16	12.75	15.76	16.58	16.28
TC1100001807.mm.1	Gm23120	13.03	14.07	12.98	16.69	17.59	17.91
TC0700000181.mm.1	Gm26056	52.45	52.23	50.22	70.51	63.59	68.93
TC0200000384.mm.1		18.80	17.88	19.35	36.12	30.61	40.00
TC0X00000918.mm.1	Mir223; F630028O10Rik	2782.35	2655.46	2637.45	4387.56	3711.45	3943.63
TC1100003657.mm.1	Snora21	3421.65	3377.55	3439.05	5486.11	4602.89	5197.70
TC1100002951.mm.1	Tvp23bos; RP23-428I5.4	42.90	40.40	40.92	55.77	58.32	52.00
TC0500003396.mm.1		79.79	88.32	73.66	121.91	124.93	118.49
TC0600001444.mm.1		78.22	83.09	93.95	178.88	143.56	174.68
TC0X00000732.mm.1	Xlr4e-ps	68.12	54.51	66.30	113.29	110.72	128.06
TC0600003101.mm.1		161.38	144.90	142.72	217.78	257.65	244.20
TC0800000849.mm.1	Gm7984	7806.11	7398.12	6774.65	11979.66	11561.53	14016.50
TC1200002225.mm.1		701.93	694.95	658.15	910.83	1019.87	904.21
TC1800000540.mm.1		9.08	8.16	8.47	12.36	11.65	11.16
TC0500001882.mm.1		18.66	18.65	16.57	23.88	25.48	24.40
TC0X00002904.mm.1	Gm14910	7.78	9.00	8.15	12.28	12.38	14.15
TC0300002335.mm.1	Gm22935	379.85	391.01	366.42	555.22	606.24	700.16
TC1300000238.mm.1	Gm11333	9.16	9.22	8.18	13.27	15.49	13.13
TC0800002726.mm.1		15.73	15.25	15.84	21.59	21.40	25.18
TC0200000381.mm.1	Gm13411; RP23-218B17.1	16.41	19.17	24.18	41.82	47.01	43.75
TC0400001713.mm.1	LOC100862140	15.16	14.50	18.41	33.44	47.10	49.63
TC1000000958.mm.1		7.06	8.95	8.79	41.73	24.60	25.20
TC1100003004.mm.1	LOC100861608	28.39	30.21	34.87	64.09	55.28	75.02
TC0800001708.mm.1		92.11	89.75	83.84	124.34	117.32	136.28
TC0800002358.mm.1	LOC100861650	146.02	130.46	150.29	232.90	205.50	204.45
TC0200000458.mm.1	Gm23969	504.43	411.50	506.17	863.52	939.36	772.51
TC1_GL456210_random00000005.mm.1		2163.72	2256.30	1984.80	4079.34	4995.53	3623.38
TC1_GL456211_random00000005.mm.1		2163.72	2256.30	1984.80	4079.34	4995.53	3623.38
TC1_GL456211_random00000026.mm.1		2163.72	2256.30	1984.80	4079.34	4995.53	3623.38
TC1_GL456221_random00000004.mm.1		2163.72	2256.30	1984.80	4079.34	4995.53	3623.38
TC0X00000876.mm.1	Gm6982	10.94	11.21	11.19	16.54	14.14	14.93
TC1700002700.mm.1		1855.13	1602.98	1628.98	2852.69	2425.46	2809.69
TC1300001451.mm.1	Gpr137b-ps	7063.67	7214.32	6674.93	10309.25	9038.55	10577.06
TC0400002833.mm.1	Tcp1-ps1	16.98	15.87	17.15	23.01	23.60	20.81
TC0700000398.mm.1		41.82	52.33	52.48	89.07	89.64	78.64
TC0100000217.mm.1		24.16	28.92	26.67	38.46	39.49	43.63
TC0800001796.mm.1	Gm17149	6210.57	6208.72	6502.82	12221.11	9447.74	10115.94
TC0400003274.mm.1		16.08	15.54	17.76	21.56	21.70	21.01
TC1400002727.mm.1		10.72	10.57	11.59	14.73	13.47	13.96
TC0900002295.mm.1		367.76	411.04	392.92	524.85	534.21	604.03
TC1300002716.mm.1		21.49	22.08	23.28	31.68	29.21	27.83
TC0300000692.mm.1		17567.21	14375.95	13361.74	26150.00	24708.37	25465.87
TC1600000210.mm.1		17567.21	14375.95	13361.74	26150.00	24708.37	25465.87
TC0400003729.mm.1	Gm13131	185.19	190.11	180.87	251.72	222.32	246.38
TC0300000108.mm.1		13.03	11.45	11.91	15.63	17.28	17.46
TC1600001492.mm.1	0610012G03Rik	287.28	290.74	303.87	463.82	391.68	484.75
TC0M00000028.mm.1	mt-Te	205319.40	214993.60	188787.00	307172.40	284762.20	350021.90
TC0800001108.mm.1	Ap3s1-ps2	4216.93	3435.34	3858.82	7420.41	5958.08	6321.36
TC0800002356.mm.1	LOC100861638	13.11	15.60	16.51	52.09	39.17	31.39
TC0400003266.mm.1	Ttc39aos1; RP23-110H24.2; Gm12750	51.25	56.24	57.86	78.20	70.81	81.12
TC0400002845.mm.1	Gm11223	2419.89	2682.02	2358.79	3946.38	3632.38	4631.45
TC1600002002.mm.1		7.64	8.18	7.64	9.66	10.72	11.20
TC0X00002725.mm.1	Gm14845	1509.42	1514.03	1310.61	2059.60	2573.89	2350.42
TC0200004207.mm.1	Ldlrad3	95.68	82.99	92.62	141.89	122.22	127.27
TC0100002686.mm.1		9.01	10.28	9.42	12.48	13.57	12.31
TC0600000516.mm.1		9.86	9.85	10.41	13.62	14.28	12.26
TC1800000664.mm.1	Gm23016	12.96	13.31	11.21	16.76	17.56	17.22
TC0500003475.mm.1		27.20	30.98	23.99	48.56	41.44	45.81
TC1400000123.mm.1		13.78	15.50	14.67	19.06	19.88	17.96
TC0X00000362.mm.1	Zfp36l1-ps	939.06	905.71	785.98	1420.57	1223.77	1284.62
TC0200004918.mm.1		221.73	247.38	219.94	284.09	289.55	301.38
TC1300001730.mm.1	Gm23206	14.66	13.61	15.90	19.35	18.82	20.11
TC0X00003379.mm.1	G530011O06Rik	108.11	94.43	78.89	187.02	161.07	213.58
TC1600002178.mm.1	Litaf; Gm19955	202.63	202.56	211.11	272.89	255.72	305.13
TC0600001941.mm.1		11.30	11.17	12.47	14.91	16.88	15.12
TC0400001078.mm.1		11.42	11.11	11.10	15.98	15.27	13.52
TC0600000361.mm.1	Gm15487; Atp6v0c	109645.50	99959.00	90721.95	134784.60	134621.30	136959.80
TC0200003773.mm.1	Mrpl23-ps1	3843.54	2834.76	3087.97	6076.32	5171.36	6009.35
TC0X00000759.mm.1	Gm14709	9.25	10.37	10.02	12.72	13.97	15.29
TC0400002543.mm.1	Olf29-ps1	16.73	16.16	17.63	23.71	23.96	20.58
TC1000001670.mm.1	Gm16149	101.00	90.68	92.05	136.42	122.03	119.56
TC1400002674.mm.1	Gm17366	38.46	38.74	30.35	71.30	86.44	60.54
TC02000005075.mm.1		8.31	8.40	8.09	10.18	12.43	11.56

TC0500003276.mm.1		344.99	310.79	236.85	644.75	543.18	752.35
TC0X00001214.mm.1		17.05	14.40	16.93	22.13	21.92	24.51
TC0X00002732.mm.1	Gm25828	14.74	17.09	17.50	23.81	23.02	21.48
TC1800001301.mm.1	Mospd4	29.19	26.09	28.11	37.89	40.16	34.32
TC1000001874.mm.1		5.88	5.91	6.24	8.54	11.23	8.92
TC0200001512.mm.1		10.67	10.01	10.13	12.96	16.11	14.63
TC0200000046.mm.1		169.33	213.72	217.39	337.05	298.11	312.02
TC0500000297.mm.1	Slc35f6; Mir5625	4846.93	4969.65	3863.35	6856.84	6770.08	7208.42
TC1700002823.mm.1	H2-T10	363.15	334.92	327.83	522.67	465.72	611.29
TC0100000730.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0100000739.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0100000748.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0100000753.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0100002706.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0500003459.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456211_random00000012.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456211_random00000017.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456212_random00000002.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456212_random00000012.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456221_random00000006.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC1_GL456221_random00000023.mm.1		56.81	57.60	49.78	84.42	100.74	123.95
TC0700003304.mm.1	Gm22776	17.20	17.44	16.21	23.97	25.10	20.78
TC0700000117.mm.1		12.72	13.84	13.21	17.88	17.90	15.69
TC0100000134.mm.1		10.52	11.31	11.83	13.91	16.41	15.05
TC0700002991.mm.1	Snord35b	224.54	207.13	205.39	273.96	298.00	343.01
TC0300001635.mm.1		28.70	30.72	33.32	50.46	42.65	57.19
TC1300002669.mm.1	Gm9025	411.43	423.84	351.92	549.10	560.12	650.98
TC0900000650.mm.1	LOC100862116	8.54	10.24	9.79	12.64	13.38	12.33
TC0500002152.mm.1	Tyms	277.73	283.58	250.24	372.77	338.10	402.46
TC0X00001034.mm.1	FTX_1	20.39	21.62	20.29	26.00	31.75	27.49
TC0700001965.mm.1		15.31	15.90	15.49	20.45	26.56	22.12
TC0300002825.mm.1		10.18	10.18	9.59	11.98	14.42	13.44
TC0300002235.mm.1	Gm26771	13.36	16.26	19.04	25.56	27.95	27.51
TC1500002015.mm.1		151.57	164.27	139.57	201.09	196.77	227.53
TC0600001838.mm.1		11.33	10.90	11.86	15.69	15.49	13.44
TC0600002407.mm.1		14.57	14.18	14.68	19.01	19.02	16.57
TC0500001919.mm.1		9.15	11.87	9.44	14.73	16.65	15.23
TC0700003078.mm.1		239.35	248.32	226.30	440.30	345.66	332.00
TC1900000690.mm.1		118.79	108.58	102.16	172.69	142.36	150.74
TC0700003637.mm.1		8.73	10.23	9.88	13.99	12.07	13.08
TC1000003133.mm.1	Gm26847	22.72	21.00	21.48	33.64	37.29	28.05
TC1800000519.mm.1		9.16	9.38	9.32	12.42	10.65	12.23
TC0300003172.mm.1	Gm24494	285486.70	279650.20	304004.60	362382.90	447588.80	388293.90
TC0300000257.mm.1	Gm25696	42.46	35.58	41.71	71.87	55.71	60.04
TC0X00002304.mm.1	Gm5637	36117.64	29206.63	29641.94	46164.41	43010.06	43657.17
TC0600001523.mm.1		13.65	14.20	11.74	19.05	18.81	23.46
TC0X00002916.mm.1	Gm5648	48.76	40.69	44.26	58.26	57.23	63.93
TC1500000507.mm.1		10.96	12.61	12.46	16.36	19.99	16.39
TC0X00001470.mm.1	Gm15113	7.32	7.46	7.71	8.88	10.45	10.70
TC0200000327.mm.1	Gm23970	84.11	75.36	61.39	110.32	113.87	124.23
TC0X00000526.mm.1	Gm23258	7.51	7.93	7.71	10.19	14.11	13.36
TC0600003221.mm.1		9.71	9.23	10.32	14.57	15.47	12.21
TC0400002333.mm.1	Gng2-ps1	1433.28	1268.60	1260.48	1674.28	1709.80	1952.15
TC0800002751.mm.1	Gm26493	266.71	263.41	272.95	601.63	386.49	494.95
TC0X00000607.mm.1	Gm6806	9.25	10.59	8.87	13.16	12.03	13.66
TC1700001711.mm.1	Cuta	15723.01	16488.84	15153.49	23287.50	19126.78	20901.48
TC0600002384.mm.1		84.20	107.40	62.22	197.83	160.04	205.84
TC0300002108.mm.1		18.67	18.21	21.14	23.57	25.02	26.13
TC0600001230.mm.1		13.26	13.19	12.45	23.03	18.38	17.39
TC1100000292.mm.1	Gm23109	12.94	10.17	12.44	18.25	16.56	16.61
TC0200001533.mm.1	LOC100862111	184.89	205.28	149.64	318.22	263.02	304.04
TC0700000119.mm.1	Vmn1r-ps54	8.21	8.89	9.72	13.22	11.26	12.00
TC1700002744.mm.1		10.77	11.20	12.48	13.81	15.36	14.95
TC0800002151.mm.1	Gm25309	12.20	14.47	15.85	19.96	21.00	19.62
TC0800002291.mm.1		11.01	10.90	11.55	13.90	15.60	17.94
TC0200001783.mm.1		26.40	21.59	21.76	39.49	35.64	31.37
TC0200000488.mm.1	Gm22675	16.85	15.60	16.26	22.85	19.07	21.31
TC0X00003267.mm.1	Gm15190	3331.58	3268.90	3482.94	4663.87	3980.31	4870.15
TC0600000766.mm.1		23.04	20.07	26.33	33.44	32.00	33.27
TC0100002938.mm.1	2900060B14Rik	214.89	205.30	222.71	299.44	251.13	290.64
TC0900002019.mm.1	Gm6762	36.77	35.94	39.72	70.46	61.24	49.90
TC0X00002097.mm.1		14.17	13.33	10.84	18.55	17.84	18.68
TC0200003432.mm.1	Gm13496; RP23-244N6.7	8.41	7.75	8.48	11.10	9.62	11.26
TC0700003282.mm.1	Gm23767	19.36	16.64	18.19	37.62	31.24	25.40

TC1200002637.mm.1		10.55	11.31	12.03	14.76	13.31	15.11
TC0600001184.mm.1		9.65	10.02	9.92	13.15	12.41	15.83
TC0200000621.mm.1		198.56	153.78	168.92	302.37	248.20	252.11
TC1200000511.mm.1		17.02	13.71	13.76	20.31	21.58	19.85
TC0500000514.mm.1		8.92	10.22	8.34	11.99	11.72	11.90
TC1700000317.mm.1		19.04	19.69	18.94	21.72	25.08	25.20
TC1200001538.mm.1	LOC100861907	22.41	20.90	16.89	29.78	30.74	27.93
TC0700004450.mm.1	5830432E09Rik	47.20	50.33	40.56	59.82	60.97	65.36
TC1300000909.mm.1		15.05	16.36	16.47	21.02	27.19	21.71
TC1800001247.mm.1		7.82	9.62	8.97	11.63	12.15	11.16
TC0500000199.mm.1	2700038G22Rik	97.51	98.51	84.17	129.54	136.37	173.06
TC0600000510.mm.1		10.60	11.18	9.19	13.13	15.47	16.05
TC0700002225.mm.1		18.81	19.76	21.05	23.92	29.25	26.41
TC0100001940.mm.1		9.96	9.41	11.33	13.71	12.63	13.23
TC0X00000401.mm.1	Gm14619	10.41	10.17	13.24	18.04	20.72	15.98
TC1100001783.mm.1	Snord104	1559.98	1409.30	1195.83	2705.69	2180.28	2012.27
TC1300001598.mm.1	Vmn1r-ps111	20.01	18.51	23.25	27.35	27.32	27.14
TC0X00002058.mm.1	Snora69	832.57	920.96	873.92	1085.92	1381.83	1429.96
TC0X00000673.mm.1	Gm20455; RP23-11C16.11	18.07	15.49	15.95	21.17	21.62	19.69
TC0400002283.mm.1		10.03	7.74	8.60	12.64	12.43	11.64
TC1000001806.mm.1		12.08	12.77	12.56	14.61	16.78	18.17
TC0300001721.mm.1		13.51	12.71	15.09	18.49	20.93	17.29
TC0700003638.mm.1		8.29	7.97	8.85	9.60	11.06	10.77
TC1500001924.mm.1		40.97	39.38	36.40	70.25	50.17	66.31
TC1100003552.mm.1		8.75	9.94	9.10	12.35	12.02	15.21
TC1700002295.mm.1		10.87	11.89	11.68	14.61	20.44	18.44
TC0400003819.mm.1		10.37	12.30	11.68	16.23	15.67	13.90
TC1800000069.mm.1	Gm10554	108.08	79.41	81.94	192.59	132.85	176.64
TC0100000078.mm.1		15.93	18.19	15.38	22.28	21.30	26.36
TC1300001485.mm.1		8.23	9.21	10.14	12.34	11.42	12.62
TC1600000616.mm.1		9.67	11.57	10.00	14.26	19.12	15.11
TC1100003060.mm.1	Gm12307	13.18	12.28	13.81	16.05	20.61	18.15
TC1200002303.mm.1	Scarna13; Mir3069	81.37	82.70	77.20	117.46	120.97	95.39
TC0200004891.mm.1		9.79	10.03	10.88	13.40	13.65	11.76
TC0100001387.mm.1	Glul; Mir8114	266.20	239.03	227.90	314.51	291.23	333.75
TC0100002724.mm.1		27.89	33.89	30.18	40.71	43.70	53.03
TC0200002581.mm.1	Gm23201	107.21	91.95	97.70	217.64	151.53	148.29
TC1300002266.mm.1		14.68	16.89	14.70	21.00	19.32	24.21
TC0600000767.mm.1	Gm15490	26.05	34.48	25.58	43.22	44.47	40.62
TC0500000771.mm.1		7.18	7.67	7.23	9.51	8.38	10.03
TC1100001976.mm.1	Gm11726	11.36	13.18	11.91	16.81	21.92	16.53
TC1600001541.mm.1	LOC100862381	16.32	16.81	15.52	19.93	26.51	26.68
TC1500001100.mm.1	Gm24128	15.76	17.03	12.81	22.23	23.54	20.47
TC0X00000164.mm.1	Rpl3-ps1	873.60	887.88	736.73	1023.39	1169.92	1172.90
TC0400000101.mm.1		7.25	8.09	8.51	9.37	10.46	10.53
TC0100001213.mm.1	Gm15851; AC157924.3	20.71	28.40	26.09	67.30	43.09	43.25
TC0X00002119.mm.1		13.81	11.19	11.72	15.97	18.30	15.89
TC1800000530.mm.1		9.61	9.62	11.40	13.73	13.10	12.46
TC0500003460.mm.1	Gm15753	1299.48	1137.81	1095.96	1925.56	1581.54	1529.48
TC0700001963.mm.1		350.40	362.77	263.14	616.88	499.16	790.46
TC1200001670.mm.1		14.47	11.61	13.38	17.20	20.35	17.42
TC0X00002137.mm.1		11.23	10.49	11.31	13.53	16.12	18.49
TC1100003507.mm.1	Gm15698	46.54	53.92	47.59	64.93	62.19	77.55
TC0100002816.mm.1	Myeov2	97.23	84.88	103.95	133.02	116.38	129.70
TC1100002587.mm.1	Gm12162; RP23-122N23.1	7.37	7.64	9.64	11.94	10.91	11.90
TC1300002369.mm.1		47.41	45.89	46.20	70.09	54.40	62.95
TC0200000350.mm.1	Gm13338	21.28	21.20	21.81	32.11	24.94	29.21
TC0100002238.mm.1	Snord89	70145.57	54093.96	70724.88	109667.50	96458.90	88599.85
TC0600001641.mm.1	Gm30332	10.57	10.38	11.34	14.80	14.25	12.28
TC0500000958.mm.1		25.05	25.04	28.07	31.46	38.24	32.93
TC0400003363.mm.1	Gm22980	179.04	137.56	176.00	461.05	311.37	262.69
TC0400001884.mm.1		15.20	14.44	13.99	33.88	25.85	20.17
TC0700001078.mm.1		28.17	23.53	24.38	34.16	38.08	31.18
TC1900000353.mm.1	Gm5514	85.93	79.30	66.57	145.98	113.04	190.05
TC0600000176.mm.1		9.24	6.85	8.64	11.17	14.44	14.89
TC1000000426.mm.1	Gm27723	9.94	10.70	12.48	14.56	19.36	16.13
TC0500000233.mm.1	Gm22656	12.88	11.48	14.52	35.49	19.43	26.47
TC0800000622.mm.1		13.68	18.01	18.66	28.58	26.04	23.13
TC1400000201.mm.1		60.41	64.57	61.56	87.06	73.77	98.08
TC0800001542.mm.1	Mir1967	14.32	14.37	14.27	16.54	21.46	20.26
TC1000001383.mm.1		7.19	6.11	6.52	8.03	8.48	9.70
TC1000002975.mm.1		7.19	6.11	6.52	8.03	8.48	9.70
TC0300001753.mm.1		8.62	7.36	7.29	9.95	12.32	10.14
TC0100000750.mm.1		7.64	11.99	10.73	41.65	86.80	24.03
TC1_GL456211_random00000016.mm.1		7.64	11.99	10.73	41.65	86.80	24.03
TC1_GL456212_random00000003.mm.1		7.64	11.99	10.73	41.65	86.80	24.03
TC1_GL456212_random00000010.mm.1		7.64	11.99	10.73	41.65	86.80	24.03

TC1_GL456221_random000000 21.mm.1		7.64	11.99	10.73	41.65	86.80	24.03
TC1600000859.mm.1		7.90	9.34	8.23	11.15	12.17	10.17
TC0300002771.mm.1	Gm26076	11.12	11.60	10.12	14.26	14.63	18.83
TC0700001200.mm.1	Gm20077	23534.52	22069.84	19608.51	26052.84	31378.95	31471.93
TC0700003717.mm.1		17.92	23.69	22.89	31.85	32.60	28.23
TC0900002538.mm.1	Gm24225	27.77	49.19	33.64	69.84	65.77	66.51
TC0100001322.mm.1		10.20	9.44	11.04	12.50	14.38	16.51
TC0400002126.mm.1	9430025C20Rik	15.87	16.19	15.13	20.38	20.72	17.48
TC1200002487.mm.1	Mir6388	17.78	19.63	18.81	34.26	27.32	23.80
TC0X00000431.mm.1	Gm22528	16.21	14.65	16.07	17.93	21.70	21.73
TC0700002260.mm.1	Vmn2r-ps46	16.00	15.87	16.77	17.97	21.36	21.09
TC1600001911.mm.1		9.39	8.14	7.74	13.37	10.78	11.03
TC0700003327.mm.1	Gm22188	24.08	18.13	24.83	35.51	30.24	34.81
TC1700000024.mm.1		12.94	11.90	13.12	18.08	19.15	14.78
TC1100002774.mm.1		24.81	29.21	25.31	34.07	33.29	30.95
TC1000001068.mm.1	Tyms-ps	140.91	115.07	125.17	185.56	154.13	193.50
TC4_GL456216_random000000 05.mm.1		60.83	43.60	53.26	73.27	73.22	77.19
TC0700003291.mm.1	Gm25944	26.00	22.09	24.90	45.67	35.42	31.86
TC0X00002737.mm.1	Gm9103	344.88	268.53	335.90	471.01	405.71	516.15
TC1100001986.mm.1		16.33	16.53	20.37	22.71	23.77	22.65
TC0X00000194.mm.1	Gm6923	19.16	17.93	16.53	29.66	22.02	24.80
TC0300001662.mm.1		9.20	9.95	9.50	12.61	12.51	10.62
TC1000002011.mm.1		15.47	15.24	17.73	21.30	18.83	22.40
TC0800001261.mm.1		706.75	632.14	523.59	871.31	843.51	1041.44
TC1100002838.mm.1		224.78	232.40	205.24	422.25	295.11	510.16
TC0400004053.mm.1	Gm13064	10.51	12.25	9.66	13.91	14.62	13.50
TC0300000677.mm.1	Gm25188	324.63	257.88	300.19	400.42	358.54	409.46
TC0800002540.mm.1	Gm25267	8.08	10.54	8.51	11.85	16.33	17.13
TC0100000089.mm.1		7.51	7.79	9.21	12.17	9.95	12.63
TC1700001941.mm.1		35.16	39.73	51.02	69.61	58.21	78.23
TC1000000443.mm.1		12.29	10.15	12.95	16.02	18.42	15.10
TC1300000732.mm.1	Gm24999	87.05	109.84	90.00	129.61	130.02	166.56
TC1100000050.mm.1		11.50	13.46	13.50	18.42	18.68	15.17
TC0200000027.mm.1		9.22	8.40	9.21	10.36	13.43	12.41
TC1000002758.mm.1		27.96	25.89	26.34	33.64	39.18	31.08
TC1300001343.mm.1		8.31	8.38	8.85	9.69	12.44	11.80
TC1700002310.mm.1	Gm16276	81.37	86.02	78.67	108.64	91.13	106.09
TC1300002738.mm.1		14.75	12.37	14.40	26.08	17.49	25.21
TC1700001640.mm.1	Snhg9	20.62	18.54	18.52	24.15	28.15	22.67
TC1800001387.mm.1		7.30	9.21	7.89	11.68	11.22	9.89
TC1700001713.mm.1	Mir3083	21.32	23.27	22.03	35.75	40.85	27.18
TC0700003311.mm.1	Gm22631	26.18	22.64	27.74	41.23	37.55	31.13
TC0100002066.mm.1		17.55	21.94	19.60	28.28	23.66	27.08
TC1700002759.mm.1		9.62	10.54	11.08	11.99	14.68	14.88
TC0100002682.mm.1		12.50	12.38	13.62	17.67	21.01	15.37
TC0100003469.mm.1	Gm16418	300.36	283.78	282.89	419.61	333.35	447.36
TC1100003398.mm.1		28.56	42.44	25.06	50.57	72.02	59.47
TC0400000097.mm.1		24.77	24.16	29.60	35.05	33.12	31.70
TC1800000180.mm.1		7.67	7.71	7.79	8.61	10.76	10.72
TC0100001809.mm.1		6.63	7.07	7.79	8.23	9.76	9.64
TC1300001324.mm.1	Gm23198	36.86	34.53	39.25	42.59	53.45	47.96
TC1400001154.mm.1		9.55	9.70	10.75	12.46	12.56	11.13
TC1100000895.mm.1	Snord118	345.34	289.39	298.95	380.40	453.41	387.60
TC0100001767.mm.1		11.38	13.29	13.28	14.88	18.29	18.89
TC0200003864.mm.1	Gm13711	18.47	22.53	19.18	25.33	23.93	25.61
TC1500001070.mm.1		9.15	9.25	8.80	11.96	12.04	9.97
TC0600000279.mm.1	MESTIT1_3	23.84	16.57	24.45	30.26	41.67	40.61
TC0300001464.mm.1		8.07	8.20	7.66	9.39	10.31	12.39
TC0800001461.mm.1	Gm26784; RP23-76C13.3	12.58	12.98	15.40	16.53	17.32	16.95
TC1000001586.mm.1	Mir677	132.96	152.73	133.16	189.90	208.04	162.94
TC0800001935.mm.1	Gm22227	10.05	9.32	12.74	16.60	14.39	14.54
TC1900001441.mm.1		14.11	18.79	16.38	22.66	20.71	22.73
TC1400002559.mm.1		9.94	11.19	10.51	12.42	16.68	14.38
TC1700002383.mm.1		10.97	12.74	10.97	15.83	13.30	15.38
TC1100001244.mm.1	Gm11427	80.48	58.84	60.94	116.24	87.92	103.47
TC0500001105.mm.1		8.96	8.93	10.43	12.57	15.08	11.51
TC0400001002.mm.1	Gm12686	32.43	25.86	25.46	34.37	40.68	41.75
TC0700003627.mm.1		10.53	10.68	11.51	15.23	15.49	12.29
TC1400000878.mm.1		11.10	12.36	13.71	14.64	17.33	16.34
TC0X00001709.mm.1		9.93	9.19	11.73	14.27	12.51	13.65
TC1500001543.mm.1		47.13	57.24	48.66	98.19	65.23	77.90
TC1600001155.mm.1	Nagpa	142.34	151.67	129.11	194.51	162.11	201.88
TC1400001951.mm.1		12.83	10.82	10.74	15.63	15.96	13.38
TC0100003157.mm.1	Gm23763	20.28	18.05	19.09	30.66	28.25	22.28
TC0900000814.mm.1	Gm23136	125.39	101.58	112.24	157.72	133.54	147.38
TC0800001783.mm.1		9.54	10.68	12.03	13.96	19.28	14.91
TC1200002197.mm.1		15.92	15.88	17.92	20.95	28.07	21.35
TC1100002495.mm.1		8.70	8.52	8.82	12.19	9.61	11.90

TC030000081.mm.1		11.19	13.40	12.03	17.47	14.12	16.54
TC1300000146.mm.1		17.00	17.20	17.62	23.33	25.72	19.43
TC0X00001073.mm.1	Mir6382	12.49	10.54	8.92	13.65	18.47	17.27
TC1600001088.mm.1		10.78	11.10	12.21	17.08	13.02	15.61
TC1800000611.mm.1	Gm6960	110.52	92.87	74.64	140.71	158.57	125.50
TC1500001962.mm.1		174.36	212.11	150.11	237.77	255.65	248.87
TC0800002034.mm.1		23.88	26.83	24.16	27.58	31.90	31.56
TC0100003213.mm.1		12.30	10.39	12.03	13.31	15.98	16.18
TC1300001356.mm.1	Gm23308	10.70	10.40	10.35	11.82	15.94	15.02
TC0800001378.mm.1	Gm15655; AC113301.2	927.82	741.45	991.67	1754.18	1269.65	1234.42
TC1900000259.mm.1	Gm5512	90.37	95.50	72.56	128.90	106.02	127.92
TC1300000870.mm.1		17.27	16.23	16.26	19.26	25.27	20.93
TC0500000558.mm.1		11.26	12.44	10.89	14.92	17.77	13.56
TC0600001631.mm.1		1163.89	1144.21	1021.27	1702.91	1284.25	1751.13
TC0800002176.mm.1		10.97	12.36	14.81	16.93	18.10	16.14
TC0500001349.mm.1	Oas1b	155.22	151.90	140.77	219.84	168.05	207.85
TC0200002065.mm.1		10.10	11.26	9.99	11.62	13.22	13.92
TC0X00000115.mm.1	LOC100862340	1506.92	1384.79	1576.64	2713.61	1820.40	2148.90
TC0200002370.mm.1		33.52	45.94	33.68	64.00	48.87	58.33
TC0400003403.mm.1	Gm12855	11.26	8.83	10.41	13.24	15.35	12.53
TC0800001785.mm.1		10.07	9.91	9.65	14.10	11.10	15.07
TC0100001424.mm.1	Gm15428	524.40	413.01	433.56	788.06	565.32	668.21
TC1000001297.mm.1		9.46	9.23	10.08	13.62	13.58	10.69
TC0200004705.mm.1		10.62	9.49	8.41	11.37	14.02	12.63
TC0800001779.mm.1		12.86	13.60	12.39	16.74	17.00	14.15
TC0X00003356.mm.1		12.78	9.85	11.43	15.93	13.67	15.39
TC0400002659.mm.1		17.98	12.90	14.09	19.29	22.57	21.27
TC0100002839.mm.1	Gm22089	21.51	26.22	21.75	27.92	30.63	28.13
TC1100000307.mm.1	Gm22588	17.08	20.29	22.13	23.89	26.91	27.68
TC1200000684.mm.1	Gm24010	12.73	11.72	13.92	19.81	15.11	21.79
TC0X00001279.mm.1	Gm23124	9.39	9.74	9.31	12.65	10.30	12.60
TC1000002864.mm.1		15.03	14.12	11.76	18.50	18.71	16.29
TC0400003703.mm.1		14.08	14.22	15.42	20.29	18.67	16.17
TC1000001217.mm.1		38.21	22.72	34.87	49.34	51.54	59.06
TC1100001554.mm.1	Gm11633	77.89	76.39	89.87	98.06	104.77	128.09
TC0100000458.mm.1	Gm26293	118.52	94.86	136.66	170.46	155.68	162.82
TC0500003362.mm.1	Gm7902	1481.79	1659.14	1138.77	2090.12	1946.89	2004.13
TC0200000182.mm.1	Mir466	19.00	18.53	20.68	25.52	33.27	24.70
TC1000001853.mm.1	Gm4895	1367.28	1221.31	953.38	1604.70	1633.25	1662.44
TC0300000141.mm.1		17.26	18.97	20.81	26.49	26.00	21.69
TC0X00000220.mm.1		109.63	105.64	102.00	166.32	120.81	143.06
TC0200001651.mm.1	Olfr1293-ps	11.66	11.66	15.58	20.38	17.51	16.95
TC0700003666.mm.1	Vmn2r-ps67	8.63	7.77	8.72	11.95	9.45	12.49
TC1800000765.mm.1		82.90	109.04	92.08	209.41	121.50	173.06
TC0600000285.mm.1		10.72	11.82	13.75	17.55	17.91	14.31
TC0600001529.mm.1	Gm26160	21.64	20.38	25.72	32.45	26.79	35.12
TC0700004116.mm.1	Gm23345	24.98	23.42	29.65	32.12	52.26	49.22
TC0400000953.mm.1		12.49	11.18	13.60	16.25	14.12	16.18
TC0900002650.mm.1		11.74	15.00	11.07	15.75	17.69	17.68
TC0300002844.mm.1		8.70	8.97	8.32	12.87	14.07	9.83
TC0400003069.mm.1	Gm26410	13.95	17.11	13.98	20.73	21.12	17.47
TC1700001349.mm.1		12.67	12.05	12.99	17.83	18.96	13.99
TC1600000691.mm.1	Gm7204	17755.90	16618.79	17322.54	26261.44	19569.42	22076.61
TC0600002088.mm.1		8.82	8.76	10.26	12.41	11.59	10.50
TC0100003517.mm.1		43.64	54.30	44.14	57.69	68.06	81.75
TC0600001323.mm.1		251.42	315.28	247.08	365.38	336.87	338.08
TC1500001317.mm.1		8.88	9.60	8.28	13.40	11.41	10.28
TC0X00002151.mm.1	Gm5636	9.83	8.58	11.99	13.21	13.55	13.73
TC0100001046.mm.1		9.18	10.02	11.06	13.75	17.02	12.10
TC0X00000969.mm.1	Gm22472	12.95	15.39	17.07	18.28	20.55	20.01
TC1400002077.mm.1	Mir208b	7.80	7.84	8.15	8.69	11.43	11.18
TC1500001659.mm.1		52.08	40.66	43.36	62.08	65.16	53.38
TC0700004381.mm.1		12.65	10.53	11.51	19.86	14.60	26.45
TC0800002355.mm.1		11.52	11.78	8.11	22.89	13.77	24.08
TC0100000877.mm.1		15.74	15.11	17.37	17.84	22.49	21.22
TC1800000002.mm.1		21.38	23.75	19.02	29.70	24.56	28.71
TC0100001121.mm.1		3084.19	3155.56	2465.05	3428.80	4214.63	4163.57
TC0900001958.mm.1		10.30	9.64	9.30	12.92	14.50	10.87
TC1800000921.mm.1	Vmn1r-ps152	13.77	11.53	13.70	18.07	17.87	14.74
TC0200000874.mm.1	Gm13534	31.09	31.12	31.25	43.03	42.64	33.65
TC0200001486.mm.1	Gm22957	34.71	44.97	44.29	49.85	66.77	59.94
TC0200003831.mm.1		13.06	13.17	12.00	18.01	19.98	14.30
TC1400001877.mm.1	Gm3287; RP23-78F6.4	20.26	18.54	18.49	21.14	28.23	26.45
TC0900002116.mm.1		12.66	12.47	14.91	16.54	17.24	15.14
TC1400001461.mm.1		16.47	17.09	16.03	18.22	24.60	22.42
TC1700002007.mm.1	Gm4246	153.74	159.25	155.84	237.72	172.38	218.99
TC0700004004.mm.1		18.61	15.61	13.76	25.28	20.23	32.35
TC0900000389.mm.1	Olfr892-ps1	9.16	10.11	11.21	16.97	15.78	11.76
TC0X00000374.mm.1		13.00	11.49	11.18	13.63	20.04	19.26
TC1500000311.mm.1	AU022793	72.68	70.82	63.36	113.49	83.16	142.66

TC0400003053.mm.1	Gm22605	9.28	9.85	10.92	11.36	13.88	15.51
TC0X00000711.mm.1	Mir7092	24.37	31.88	28.11	39.48	50.74	83.76
TC1900001655.mm.1		10.32	9.62	9.15	16.30	13.75	11.12
TC1600000724.mm.1		11.03	14.87	17.07	23.39	23.37	18.67
TC0200001440.mm.1	Mir7222	10.98	9.93	12.75	13.08	14.79	14.82
TC1400002654.mm.1		23.26	36.39	27.33	55.19	50.30	37.69
TC1000000535.mm.1		10.34	9.10	10.95	14.92	14.38	11.42
TC0200004517.mm.1	4930583P06Rik	6.94	7.13	7.13	12.07	9.55	8.18
TC1300002731.mm.1	LOC100861680	35.38	25.64	42.30	56.05	65.34	47.11
TC0700003352.mm.1		8.37	7.79	7.81	11.18	10.27	8.68
TC0800001248.mm.1		23.23	26.62	20.62	36.82	27.60	32.77
TC1500001310.mm.1		14.46	14.29	17.25	29.14	18.83	21.96
TC0500001040.mm.1		116.63	83.32	87.01	147.56	118.01	155.48
TC0200001037.mm.1		14.28	15.09	14.95	22.20	16.25	22.37
TC0100001521.mm.1		21.89	18.33	26.67	28.33	31.59	32.14
TC0100003741.mm.1	Gm23780	20.44	28.84	23.86	35.06	31.49	31.53
TC1600001685.mm.1		8.77	8.60	11.25	11.48	12.77	13.68
TC1700000679.mm.1	Gm25128	1533.87	1474.95	1993.11	5755.66	2711.46	2772.56
TC0200003867.mm.1	Gm13710	570.16	583.92	496.21	888.98	627.36	930.73
TC1600000289.mm.1	Snord66	41.08	30.99	40.91	72.73	46.42	60.28
TC0300001859.mm.1		15.39	16.99	17.15	24.42	18.19	24.21
TC1100002294.mm.1		16.23	15.13	15.45	18.45	20.39	27.01
TC0500001940.mm.1	Gm7332	737.17	713.12	597.39	1114.33	805.90	1291.55
TC1700002725.mm.1		9.89	10.01	13.93	13.98	18.28	18.10
TC0800003210.mm.1		11.44	12.11	12.44	16.27	21.76	14.28
TC0500000016.mm.1	Gm26238	22.18	23.02	26.86	27.56	40.64	37.03
TC0600001927.mm.1		17.17	14.37	14.96	20.68	20.27	17.21
TC0500000469.mm.1	Gm16014; AC164004.2	19.06	13.59	13.25	20.89	27.29	20.88
TC1600000886.mm.1		9.60	9.97	11.75	14.14	16.42	12.08
TC0500000127.mm.1		11.01	12.07	12.58	14.05	22.98	17.95
TC0700000185.mm.1	Gm24701	39.43	40.40	32.63	46.77	76.26	55.32
TC1200002592.mm.1	Ighv3-8	8.98	8.56	7.47	12.73	10.97	9.53
TC0600001607.mm.1	Gm25136	44.65	39.50	34.35	52.23	46.04	52.10
TC0500002545.mm.1		11.05	13.24	12.17	16.26	17.08	13.50
TC0700001744.mm.1	1700025J12Rik	12.59	13.46	15.70	22.47	20.58	15.97
TC0X00001184.mm.1		7.17	9.52	9.10	10.17	12.39	12.50
TC1500001443.mm.1		10.25	11.34	10.28	13.40	12.12	16.45
TC0200002951.mm.1	Gm26478	13.96	12.98	16.42	17.72	26.89	20.37
TC0800001890.mm.1		10.51	13.15	10.50	15.21	19.93	31.40
TC0100002108.mm.1		19.46	21.63	19.57	22.37	29.16	25.49
TC0400001368.mm.1	Gm12883	13.04	11.93	13.73	17.47	19.79	14.39
TC1100001805.mm.1		28.92	28.02	26.28	38.18	36.78	29.89
TC0X00000511.mm.1	Gm14638	26.55	18.65	17.50	27.85	30.70	37.69
TC0300002125.mm.1	Gm20691	280.76	235.85	247.74	322.95	328.86	281.10
TC1900000514.mm.1		37.42	34.71	28.60	64.06	43.56	45.22