

2017

Investigating Differentiation: A Role for Organelle Inheritance in Epidermal Growth

Amma Asare

Follow this and additional works at: http://digitalcommons.rockefeller.edu/student_theses_and_dissertations

 Part of the [Life Sciences Commons](#)

Recommended Citation

Asare, Amma, "Investigating Differentiation: A Role for Organelle Inheritance in Epidermal Growth" (2017). *Student Theses and Dissertations*. 392.
http://digitalcommons.rockefeller.edu/student_theses_and_dissertations/392

This Thesis is brought to you for free and open access by Digital Commons @ RU. It has been accepted for inclusion in Student Theses and Dissertations by an authorized administrator of Digital Commons @ RU. For more information, please contact mcsweej@mail.rockefeller.edu.



INVESTIGATING DIFFERENTIATION: A ROLE FOR
ORGANELLE INHERITANCE IN EPIDERMAL GROWTH

A Thesis Presented to the Faculty of

The Rockefeller University

in Partial Fulfillment of the Requirements for

the degree of Doctor of Philosophy

by

Amma Asare

June 2017

INVESTIGATING DIFFERENTIATION: A ROLE FOR ORGANELLE INHERITANCE IN EPIDERMAL GROWTH

Amma Asare, Ph.D.

The Rockefeller University 2017

Balanced growth and differentiation is essential to tissue morphogenesis and homeostasis. How imbalances arise in disease states such as cancers is poorly understood. Loss of differentiation is associated with poorer prognosis in human patients and increasing malignancy in animal models. Here we explore this intersection between growth and differentiation in the context of epidermal development, where populations of stem cells are maintained in careful equilibrium and induced to proliferate and differentiate in response to stimuli such as injury or cyclical growth signals.

During development, a naïve epidermis undergoes rapid proliferation and differentiation to form skin containing hair follicles, neurons, immune surveillance populations and melanocytes. The epidermis maintains homeostasis through many phases of development including rapid cytoskeletal dynamics and temporally coupled inductions of protein synthesis. However, it is still poorly understood how this maintenance is coordinated and sustained. After creating a quantitative differentiation assay to fractionate proliferative and differentiating cells from the embryonic mouse epidermis, I used transcriptional profiling to gain a deeper understanding of novel aspects of this process *in vivo*. By profiling time points across development spanning the naïve and fully competent epidermis I dissected mechanisms essential for establishing and maintaining the differentiated interfollicular epidermis. This map of the transcriptional landscape served as a tool for forming hypotheses about the association between a

pathway or molecule of interest and epidermal development. Probing these profiles allowed me to directly assess the correlation between expression levels and known key regulators of epidermal differentiation.

With this new understanding of signatures associated with key differentiation steps in the normal epidermis, I explored how genes commonly dysregulated in epithelial tumors may be involved in this developmental differentiation process. I mined my transcriptional profiles to identify overlap with genes reported to be dysregulated in a range of epithelial tumors. I then devised *in vivo* epidermal RNAi screen to identify which of these genes were candidate regulators of normal epidermal development. *In utero* lentiviral injection allows for direct manipulation of the developing epidermis and continued embryo development. The goal of the screen was to assess whether when a particular gene is lost during early epidermal development, the resulting epidermal clone is formed normally with respect to differentiation. Using a quantitative differentiation assay in combination with barcoded high throughput sequencing, I revealed how each gene altered differentiation. My screen identified a number of novel target genes likely to regulate individual steps of differentiation or differentiation more globally. The use of a tumor prone TGFbR2 conditional knockout mouse line allowed for comparison of differentiation behavior in a more disease relevant setting. The use of wild type embryos implicated surprising new genes as potential regulators of differentiation.

Focusing on one unexpected hit, peroxisome-associated protein PEX11b, I found that *Pex11b*-deficient epidermis fails to differentiate and form a barrier essential for life. Further study revealed mitotic changes associated with *Pex11b*-deficient basal progenitors including a mitotic delay, during which spindles rotate uncontrollably, perturbing polarized divisions and skewing daughter fates. Probing deeper, we discovered that without PEX11b, peroxisomes

function, but fail to segregate properly. Intriguingly, peroxisome localization is directly coupled to mitotic progression, and when peroxisomes are ectopically mis-localized, mitotic abnormalities occur. Together, our findings unveil a hitherto unforeseen role for organelle inheritance in mitosis and spindle alignment, in the choice of daughter progenitors to differentiate or remain stem-like, and in maintaining proper tissue architecture.

ACKNOWLEDGEMENTS

Thanks to my mentor Dr. Elaine Fuchs for the space, resources and encouragement to follow the science wherever it may lead. This work would not have been possible without past and present mentorship and training by Dr. Eric J Brown, Dr. Mary Loeken and Dr. Theoharis Theoharides.

I also owe a great deal to the collective knowledge, patience and thoughtfulness of the many members of the Fuchs' lab with whom I shared many insightful scientific discussions and arguments especially Brice Keyes, Irina Matos and Evan Heller. Many thanks to Maria Nikolova, Ellen Wong, June Racelis, Sophia Chai Maia, Peter Janki, Nicole Stokes, Lisa Polak, Megan Sribour, John Levorse, Dan Oristian, Sasha Hacker and Lynette Hidalgo for making our environment ideal for optimizing scientific success.

The Rockefeller University is an amazing place to be a graduate student in large part because of the exceptional staff here. I thank Svetlana Mazel, Stanka Semova, Selam Tadesse and Songyan Han from the FCRC for years of collaboration and friendship. Thanks to the members of the RU Dean's Office for endless kindness. I owe special thanks to all the members of the RU Security Department for their encouragement through the years.

I am grateful for the friendship and bravery of the individuals in the Tri-Institutional MD-PhD program who have become my New York family, particularly the women of the class of 2009. I am humbled by the encouragement of my son, parents, siblings, nieces, nephews and extended family. Finally to my partner in all things, Amir Jaima, thank you for making life rich, hilarious and beautiful.

TABLE OF CONTENTS

CHAPTER ONE: INTRODUCTION	1
<i>Project Aims</i>	2
<i>Epidermal structure</i>	6
<i>Differentiation during development</i>	9
<i>Pathways in epidermal differentiation</i>	10
<i>Epidermal Mitoses & Asymmetric Cell Divisions</i>	11
<i>Introduction to the Organelle and the Peroxisome</i>	12
CHAPTER TWO: A transcriptional landscape of epidermal differentiation during development	17
<i>Introduction</i>	18
<i>Results</i>	19
<i>A method to quantify epidermal differentiation</i>	19
<i>Transgenic mice for visualization of differentiation</i>	23
<i>Temporal and spatial landscaping of epidermal differentiation</i>	23
<i>In Vitro differentiation assay</i>	34
<i>Discussion</i>	38
CHAPTER THREE: <i>In vivo</i> screen to identify novel regulators of epidermal differentiation	46
<i>Introduction</i>	47
<i>Results</i>	48
<i>Utilizing clonal in utero shRNA transduction</i>	48
<i>Identification of target genes</i>	50
<i>Screen design</i>	53
<i>Screen performance</i>	53
<i>Discussion</i>	60
CHAPTER FOUR: Coupling organelle inheritance and epidermal growth	62
<i>Introduction</i>	63
METHODS	89
APPENDIX.....	98
<i>Expression values for 726 Selective Differentiation Genes</i>	98
<i>Table of Screen results for Control TGF fl/fl control animals</i>	125
<i>Table of Screen results for TGF fl/fl K14 Cre+ animals</i>	265

REFERENCES 468

TABLE OF FIGURES

Figure 1.1 Ultrastructure of the E16.5 epidermis.	7
Figure 2.1 Quantifying differentiation.	20
Figure 2.2 Visualization of epidermal populations.....	22
Figure 2.3 Expression patterns in Krt14-H2B-GFP & Krt10-H2B-RFP mice	24
Figure 2.4 Overview of transcriptional profiles of epidermal population	25
Figure 2.5 Pathway Enrichments in P4 Epidermis	29
Figure 2.6 Dynamic Basal Gene Signature.....	32
Figure 2.7 Selective Differentiation Gene Signature.....	33
Figure 2.8 In Vitro differentiation assay using transgenic keratinocytes.	35
Figure 2.9 In Vitro assay of epidermal differentiation.	37
Figure 3.1 Schematic of shRNA screen design.	47
Figure 3.2 Charting differentiation with lentiviral transduction.....	49
Figure 3.3 Schematic of screen gene selection	52
Figure 3.4 Screen results.....	55
Figure 3.5 shRNA Screen reveals step specific and global differentiation regulators.	57
Figure 3.6 Screen results in control and TGF β null backgrounds.	58
Figure 3.7 Validation of screen results with single gene knock down	59
Fig 4.1 A peroxisome-associated protein as an unexpected regulator of epidermal growth and differentiation.....	73
Fig 4.2 shPex11b, shPex19 and shPex5 analyses.	75
Fig. 4.3 PEX11b balances epidermal growth and differentiation by a mechanism independent of peroxisome function.....	77
Fig. 4.4 Alterations in organelle organization, inheritance, and spindle orientation when peroxisomes cannot localize to spindle poles during mitosis.	79
Figure 4.5 Proper localization and partitioning of golgi, centrosomes and mitochondria in <i>shPex11b</i> epidermal cells.....	81
Figure 4.6 Failed peroxisome localization to spindle poles leads to failed association of NuMA with the asymmetric cell division machinery	82
Fig 4.7: Mitotic alterations induced by PEX11b deficiency.....	83
Figure 4.8 Spindle rotations and mitotic delays after loss of PEX11b.	85
Figure 4.9 Mis-localization of peroxisomes alters mitotic progression.....	86
Figure 4.10: Mis-localization of peroxisomes is sufficient to trigger a mitotic delay.....	88

LIST OF TABLES

Table 2.1 Markers of epidermal populations.....	20
Table 2.2 Results of <i>In vitro</i> screen.....	41

LIST OF ABBREVIATIONS

EH Epidermal hyperkeratosis

SCC Squamous cell carcinoma

IFE Interfollicular epidermis

BM Basement membrane

MTOC Microtubule organizing center

ACD Asymmetric cell division

PBD Peroxisome biogenesis disorders

RCDP rhizomelic chondrodysplasia punctate

NALD Neonatal adrenoleukodystrophy

KO Knock out mouse

LCFA Long chain fatty acid

FPKM fragments per kilobase per million reads

CHAPTER ONE: INTRODUCTION

Project Aims

Epithelia throughout the body encase tissues and organs providing a flexible and responsive interface between compartments or between an organ and the external environment. Simple epithelia are comprised of one single cell layer and perform basic functions of filtration, absorption, and secretion. Classifications of epithelia are based upon the shape of the cells, the function of the cells, and the differentiated cell types produced within the epithelia. Stratified or multi-layered epithelia such as the skin integrate these basic functions and cell shapes into a self-renewing organ. Epithelia differ in organization ranging from the lung, a squamous epithelia containing specialized secretory pneumocytes responsible for efficient exchanges of material, to the small intestine, a columnar epithelial capable of absorption through enterocytes.

Despite these morphological differences, all epithelia are vulnerable to homeostatic dysregulation and to the subsequent development of diseases including a variety of cancers. Sequencing efforts in cancer biology reveal common mutations and amplifications in particular genes across epithelial cancer types (Stransky et al 2011, Kandath et al 2013, Pickering et al 2014, Maitra et al 2014). This suggests two important commonalities among epithelial organs. First, epithelia must have common mechanisms through which cells evade regulatory mechanisms and initiate inappropriate proliferation. Exploiting these common evasion mechanisms is the goal of significant research to discover pharmaceuticals capable of inhibiting oncogenes or re-activating individual tumor suppressors. Second, these common gene expression and genetic alterations also suggests common homeostatic mechanisms for proliferative control and regulated initiation of differentiation in response to injury or developmental growth. This

thesis project approaches cancer biology from the perspective of these common mechanisms to ask the following question: Can mechanisms of differentiation present opportunities to control tumor formation and progression? Continued strides in cancer biology will be prompted by deeper engagement with basic mechanisms of the development and maintenance of homeostasis across multiple epithelia and may push towards new therapeutic options. In this project I focus on the point where individual epidermal cells choose between self-renewal or terminal differentiation. In the epidermis, this ‘decision’ occurs in transit amplifying stem-like cells of the proliferative basal layer (Jones and Watt 1993, Lavker and Sun 1983, Mackenzie and Bickenbach 1985).

Stereotyped differentiation programs characterize the epidermis, among other types of epithelia, where populations of stem cells are maintained in a careful equilibrium between proliferation and tissue-specific differentiation. Interruption of this balance is known to significantly impair tissue function and contribute to a variety of disease states. Many skin diseases such as epidermolytic hyperkeratosis (EH), psoriasis and ichthyosis are associated with abnormal differentiation (Donetti et al 2012, Bernerd et al 1992). Psoriatic lesions are known to have differentiation alterations with suprabasal cells expressing unusually high levels of basal-associated transcripts (Bernard et al 1985, Thewes et al 1991). EH and ichthyosis, severe scaling skin disorders of the skin, are caused by mutations in known differentiation associated genes such as Krt10, Krt1 (Cheng et al 1992, Chipev et al 1992, Bickenbach et al 1996). Changes in differentiation are also seen in squamous cell carcinoma (SCC) of the skin, and conversely, many disorders in which the skin barrier is compromised (e.g. EH) lead to excessive proliferation, increasing SCC susceptibility (Yuspa et al 1981, Stoler et al 1988, Yuspa et al 1991, Wang et al 1995, Palmer et al, 2006). Though most prevalent in the skin, SCCs occur in many other

stratified squamous epithelial tissues such as those of lung, head, neck, breast and vagina. Anaplasia, or the undifferentiated appearance of a tumor, has been a well-characterized clinical observation for over a century. Often, the degree of differentiation of a tumor is a predictor of patient prognosis (Hamada et al 2012, Mercurio et al 2005, Lo Muzio et al 2005). Despite this correlation, the role that changes in differentiation play in progression of malignancies, particularly of solid tumors, is not clear.

In this thesis, I sought a deeper understanding of how differentiation is established during development and maintained during tissue homeostasis with the goal of providing insight into the pathogenesis of a variety of skin diseases causing significant morbidity. My first aim was to gain an in depth understanding of how epidermal differentiation is initiated and maintained *in vivo*. I accomplished this aim by mapping the transcriptional landscape of epidermal differentiation in the developing mouse embryo.

While many individual proteins have been implicated in the process of epidermal differentiation, a global view of the transcriptional changes accompanying *in vivo* differentiation is not fully explored (Romano et al 2012, Kretz et al 2012, Watt et al 2008, Park et al 2002, Yi et al 2008). Much of the important work on epidermal differentiation had been done in tissue culture, where increasing calcium levels can induce differentiation in proliferating keratinocytes. The potential role of the interactions between epidermal cells and the rich dermal microenvironment in differentiation requires an *in vivo* approach. I reasoned that understanding how each layer is maintained in the healthy epidermis would shed light on how the process is manipulated during disease.

My second aim was to, I investigate how developmental differentiation is altered when genes dysregulated in SCC are lost. While changes in differentiation are commonly associated with malignancy, a specific understanding of how the transcriptional changes in disease affect the differentiation program is unknown. With the bulk of sequencing data generated for tumor samples in the past 20 years, explorations that parse these changes by functional relevance are needed (Schramek et al 2014, Yang et al 2015). Using a high throughput screen approach, I characterized how genes did or did not alter differentiation in the developmental context. After validating these computational results with single gene knockdowns, I investigated one screen hit in detail.

In this final aim, I characterized the role of a screen hit, a novel differentiation related gene, *Pex11b*, in epidermal development. This peroxisome-associated protein is associated with human diseases of unclear mechanistic pathology. Though we have known for decades that peroxisomes are present in the skin in high numbers, a specific role has not been described for this organelle or its related proteins in epidermal biology. I discovered a direct link between differentiated daughter cell fate and peroxisome segregation via PEX11b. This underscores the importance of this process and illustrates one mechanism the epidermis uses to allocate cellular contents to daughter cells and. Organelle inheritance has been hypothesized to be broadly important for efficient propagation and daughter cell viability. Loss of *Pex11b* proved the ideal model to investigate this question *in vivo* and revealed a previously unappreciated epidermal control of peroxisome inheritance in the epidermis.

Epidermal structure

The epidermis derives from the embryonic ectoderm after gastrulation. In the mouse, the epidermis is comprised of the interfollicular epidermis (IFE), the hair follicle, and hair associated structures. A designated population of spatially restricted progenitor cells fuels each compartment. This work focuses exclusively on the IFE. A flux of differentiating cells moving upward from the stem cell containing basal layer is balanced with self-renewal of basal cells to maintain the structure of the epidermis. Though this structure is maintained during tissues homeostasis, it is defined during development where the epidermis grows from a single layer of cells at embryonic day 9.5 into a functional organ by embryonic day 18.5 (Fig 1.1).

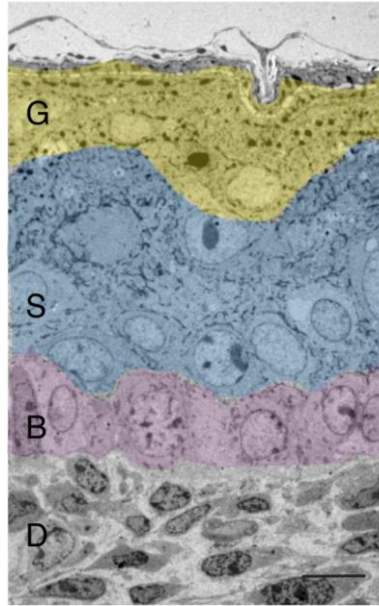


Figure 1.1 Ultrastructure of the E16.5 epidermis.

Epidermal layers listed from the exterior of the skin to the interior are granular (G), spinous (S), and basal (B). The basal layer sits upon the basement membrane. Below the basement membrane lies the fibroblast dermal layer (D). [Ultrastructure image provided by H.A. Pasoli].

The fully formed epidermis has 4 layers classically defined by the ultrastructural appearance of the skin (Flesch 1958, Selby 1957). The innermost basal layer (stratum basale) contains stem/transit amplifying cells and rests upon the underlying basement membrane (BM) separating the epidermis from the dermis (Fuchs 2007, Watt 2002). Protein heterodimers of keratins 5 and 14 form intermediate filaments that radiate from the perinuclear region to the cell periphery terminating at desmosomes, (linking neighboring cells) and at hemidesmosomes (linking cells to the BM). Integrins $\alpha 6\beta 4$ form the hemidesmosomal core. Along with focal adhesions, hemidesmosomes provide secure linkages to the BM. Adherens junctions tie into the intracellular actin network, surround basal cells and provide cell-cell adhesion.

Basal cells are the most mitotically active cells in the IFE. Through dynamic flux from the innermost layer they give rise to the differentiating layers of the epidermis. Above the basal layer is the spinous layer (stratum spinosum) tethered on all sides by desmosomes. Spinous cells express intermediate filaments composed of a heterodimer of the differentiation-associated keratins 1 and 10. In the mature epidermis these cells are post-mitotic. The spinous layer also begins producing cornified envelope proteins such as involucrin. In the next layer, the granular layer, is marked by filaggrin-containing keratohyalin granules and produces high levels of the remaining cornified envelope proteins such as loricrin. In this layer keratin production ends. These differentiated cells are connected via tight junctions. Granular cells flatten and become permeable allowing calcium to induce ϵ -(δ -glutamyl)-lysine crosslinking of envelope proteins. These flattened cells or squames have extruded all organelles, are sealed together by insoluble lipids and form the cornified layer. These squames will be sloughed from the skin surface. Before they do so, the fully formed epidermal cells perform essential functions, both forming a

barrier against infectious and noxious agents while simultaneously maintaining hydration. The importance of this structure is underscored by the phenotypes of individuals and engineered mutants with structural disruptions.

Differentiation during development

In the skin, the differentiation program is established during a developmental period where a single layer of cuboidal cells transforms into a complex layered epithelium essential for life. The basal layer of the epidermis contains epidermal stem cells, which have the ability to self-renew or undergo differentiation to form additional layers (Mackenzie et al 1997, Clayton et al 2007, Mascre et al 2012). While the basal layer is maintained by proliferation and expansion of stem and transit amplifying cells, the suprabasal layers require little to no proliferation and derive from the basal cells. At embryonic day 9.5 the epidermis is one single cell layer and rapidly proliferates. Caudal regions of the embryo differentiate more slowly than rostral embryonic regions.

By stimuli, as yet not fully characterized, basal cells begin to move upwards away from the BM to become suprabasal. Differentiation during early embryonic days is driven by delamination of basal cells and proliferation of suprabasal cells (Williams et al 2013). By embryonic day 14.5 the epidermis consists of 2 cell layers with sparse filaggrin positive granules visible in the most differentiated layer by embryonic day 16.5. Beginning at embryonic day 15.5 and concluding by embryonic day 17.5, differentiation is driven by asymmetric mitotic divisions occurring perpendicular to the basement membrane. These are in contrast to symmetric divisions occurring parallel to the underlying BM. In an asymmetric division, the apical daughter cell

moves into the suprabasal layer and differentiates while the basal daughter remains in close proximity to the BM and retains undifferentiated mitotic potential. Shortly before birth, at embryonic day 18.5, all four epidermal layers are visible and the barrier is fully formed.

The embryonic differentiation program has two important features that my work exploits: (1) it is highly stereotyped such that differentiation proceeds through the same distinct morphologies at similar rates across embryos (2) the skin is formed during this dynamic developmental period but is maintained in balance between proliferation and differentiation despite insults during the lifetime of the organism. The consistent timing and pattern of differentiation allows comparative analysis of similar regions in embryos of the same age. The plasticity of the embryonic period allows changes in differentiation to be highly visible shortly after birth.

Pathways in epidermal differentiation

A number of pathways have been shown to be essential for epidermal differentiation and development. Broadly, these pathways can be understood as factors associated with maintenance of the proliferative compartment and factors associated with tissue-specific-differentiation. Basal associated transcription factors and proteins are often implicated in self-renewing divisions and maintenance of the proliferative compartment. Expression of WNT and BMP signals post gastrulation direct primitive cells towards a broadly epidermal fate. Subsequently the transcription factor p63 is expressed in this single layer of basal cells and is required for cells to continue along an epidermal fate and express the basal markers keratins 14 and 5 (Fuchs 2007, Romano et al 2012). Expression of c-Myc in basal cells causes hyperproliferation suggesting a

role for Myc signaling in maintaining progenitors. Other studies implicate Myc signals in stimulating differentiation suggesting roles for Myc in both progenitor and differentiated cell compartments (Bull et al 2005, Waikel 1999). Notch signaling is mediated by a variety of receptors and secreted ligands released from both basal and suprabasal cells (Reichrath and Reichrath). *Notch1* is widely expressed in the epidermis whereas ligands Jag1 and Jag2 are upregulated basally. Loss of Notch1 causes restricted differentiation consistent with the positive role for Notch in epidermal differentiation (Rangarajan et al 2001, Blanpain et al 2006, Wang et al 2008). This pattern of receptor expression primarily restricts Notch signaling to the suprabasal cells. Suprabasal Notch signaling is downstream of LGN mediated asymmetric cell divisions consistent with the expression pattern of receptors and ligands (Williams 2011). Other pathways act predominantly suprabasally to direct terminal differentiation. NF-kb pathway member IKK α directs differentiation independently of NF-kb (Hu et al 2001). Transcription factors such as C/EBPs and Klf4 are expressed suprabasally and believed to direct differentiation directly (Segre et al 1999, Oh and Smart 1998). Retinoid-X receptor alpha also seems to be key to appropriate differentiation (Imakado et al 1995, Li et al 2000).

Epidermal Mitoses & Asymmetric Cell Divisions

During development, both delamination and directed differentiation via asymmetric division of basal cells mediates fate specification and terminal differentiation of the upper layers of the epidermis. In this manner, proliferation is balanced with differentiation to allow proper formation of the skin. Asymmetric cell divisions where daughter cells take on distinct fates after a single cell division integrate the proliferation and differentiation required to maintain epidermal

homeostasis. Asymmetric divisions are defined as a mitotic event where cellular proteins are asymmetrically partitioned to daughter cells. Basal epidermal cells have the capacity to undergo asymmetric divisions mediated by apico-basal polarity and apical localization of the mammalian Pins, LGN. (Lechler and Fuchs 2005, Williams 2011, Williams 2014) Polarity complex member Gai captures polarized LGN, which recruits NuMA to allow spindle positioning. In an asymmetric division the basal daughter cells remains in proximity to the nutrient rich dermis and basement membrane while the differentiating daughter transits towards the suprabasal layer characterized by Notch signalling and expression of markers of terminal differentiation such as involucrin and fillaggrin. Loss of NuMA causes failure to appropriately position spindles and failure of perpendicular divisions. Cortical positioning of NuMA has been shown to be critical for force generation and spindle positioning (Seldin et al 2013, Gallini et al 2015, Kotak et al 2013).

Introduction to the Organelle and the Peroxisome

The cell coordinates the positioning, movement and segregation of many different organelles of a variety of sizes and abundances. While organelles are commonly depicted as moving freely through the cytoplasm, organelles are tethered to other cellular structural components for transport and motion. These components are almost exclusively motor proteins from the dynein, myosin and kinesin families. In mammalian cells, mitochondria, for example can associate with the microtubule network and with intermediate filaments (Smith 1977). Different mitochondrial structures (tubular network, puncta) and related functions are restricted to particular spatial cytoskeletal interactions. The Golgi apparatus is linked with the microtubules

at the MTOC (Berger and Roth). Similar to mitochondria, the position and type of association between Golgi and MTs are crucial for organelle function and maintenance.

This work focuses on the peroxisome, an abundant and essential organelle present throughout organs and tissues. Peroxisomes are no exception to this paradigm as they move along the microtubule network in higher organisms and the actin network in yeast (Hoepfner et al 2001, Schrader et al 1996, Wiemer et al 1997). In addition to taking on specific localizations in interphase cells, organelles partition between daughter cells during cell division. Whether this process is controlled has been the subject of inquiry.

The maintenance of asymmetry in organelle number or position through cell division supports the hypothesis that the cell monitors organelle inheritance. Selective partitioning of organelles during division is most notably seen in the centrioles where one centriole designated the ‘mother’ is retained in the progenitor cells while the ‘daughter’ centriole is allocated to the dividing daughter (Januschke et al 2013, Yamashita 2009). In the epidermis, ninein is selectively associated with the mother centriole and becomes junctional in differentiated cells indicating a role for organelle asymmetry in the skin (Lechler et al 2007). Disruption of this centriole localization has been associated with inappropriate MT nucleation and anchoring (Delgehr et al 2005). Another example of cellular control of organelle inheritance comes from the Golgi Apparatus (GA). During mitosis the Golgi is fragmented throughout the cytoplasm and then divided evenly between daughter cells with the cytoplasm. Loss of Golgi fragmentation in xenopus cells is sufficient to prevent mitotic entry (Shima et al 1998). Mitochondria also show signs of controlled inheritance. Loss of myo19 the microtubule motor thought to distribute mitochondria throughout the cell leads to mitotic delay and asymmetric distribution of mitochondria in Hela cells (Rohn et al 2014).

In interphase cells however, the peroxisome performs a number of essential metabolic functions. In all cells the peroxisome oxidizes and modifies very long chain fatty acids to be utilized in subsequent reactions in other parts of the cells. These oxidation reactions produce oxygen radicals, which are neutralized in the peroxisome through the action of the enzyme catalase. Free radicals produced elsewhere in the cell are also managed by the peroxisome. Additionally the peroxisome produces a variety of lipids such as ceramides de novo in a cell and tissue specific manner (Smith and Aitchison 2013).

There are two mechanisms of peroxisome multiplication. One is through de novo formation from the endoplasmic reticulum where portions of the ER containing aggregates of peroxisomal proteins bud off, fuse and are subsequently populated internally with peroxisomal matrix proteins (Titorenko et al 2000). This mechanism necessitates sorting specificity of peroxisomal proteins after synthesis that is not yet understood. The second mechanism of peroxisome division is via direct budding from fully formed peroxisomes. Peroxisomes bud from one another, forming bead-like strands of peroxisomes which then separate from one another (Yamamoto and Fahimi 1987, Nagotu et al 2008, Schrader et al 2012).

Peroxisome biogenesis involves particular peroxins, or peroxisome-specific proteins. One such protein is Pex11b. Pex11 expression in plant, yeast and human cells has been shown to increase peroxisome number and loss of Pex11 causes decreased peroxisomes (Delille et al 2010, Li and Gould 2002). Mammalian Pex11b protein has little domain similarity to known non-peroxisomal proteins with the exception of an area that resembles a curvature recognition domain (Abe and Fujiki 1998, Huber et al 2012). This is consistent with its role in cleaving apart budding peroxisomes from one another (Kobayashi et al 2007, Li and Gould, 2003).

Though peroxisomes are ubiquitous and present in all cells, their abundance determines how important peroxisomes are to the main functions of each tissue. Liver hepatocytes and neural glial cells are known to harbor large numbers of peroxisomes (Grabenbauer et al 2001). These organs are the ones most impacted by the family of peroxisome biogenesis disorders (PBDs) characterized by loss of peroxisome function. These include Zellweger syndrome, Neonatal adrenoleukodystrophy, X-linked adrenoleukodystrophy, infantile Refsum disease and rhizomelic chondrodysplasia punctata, RCDP.

The most severe of these disorders, Zellweger syndrome often presents in the neonatal period with dysmorphia, hypotonia, seizures, liver cysts and hepatic dysfunction. Other less severe forms of PBD such as neonatal adrenoleukodystrophy present in infancy or childhood. These diseases are caused by mutations in a number of peroxins and peroxisome associated proteins spread across many complementation groups, though the most commonly mutated peroxin is Pex1. Mutations in a wide range of peroxins have been associated with PBDs, including nonsense mutation in Pex11b (Ebberink et al 2012).

Patients with PBDs present usually earlier in life, during childhood or adolescence at the latest with elevated blood levels of long chain fatty acid precursors and developmental delay, seizures, and metabolic abnormalities stemming from defects in the brain, kidney and liver (Poll-The et al 2004). This cerebro-hepato-renal diseases causes significant mortality with many patients succumbing to the disease within the first three decades of life (Steinberg et al).

Because of the severity of these disorders, efforts have been made to understand the molecular mechanisms behind disease phenotypes. To this end, mouse models of peroxisome loss have been generated. The first model of PBDs was a straight knock-out of Pex5 and recapitulated

much of the human pathology showing hypotonia and death shortly after birth (Baes et al 1997). Others model of PBDs, were made with a straight KOs of Pex2, Pex13 and Pex11b (Faust and Hatten 1997, Li 2002, Maxwell et al 2003). These models also replicated disease pathology to a large extent including neonatal death. While these mouse models have provided some insights into how loss of peroxisome proteins leads to PBDs, many questions about the mechanism of disease pathology remain particularly in the case of the Pex11b KO.

Mouse models of Pex11b loss also replicate PBD pathology but surprisingly show only minor deficiencies in peroxisome metabolic function (Li et al 2002a). A neural specific deletion of Pex11b also shows a range of defects included failed neuronal migration (Li et al 2002b). Additionally for the first time, a mutation in PEX11b was discovered in a patient with PBD-like phenotype (Thoms and Gartner 2012). The patient was originally misclassified as having an unknown metabolic disorder because blood levels of LCFA precursors were near normal limits but after all other diagnoses were ruled out examination of a fibroblast cell line showed loss of peroxisomes, a definitive marker of PBD. Consistent with the mouse model of Pex11b, depletion in this patient produced a PBD phenotype with only small changes in metabolites. This apparent discordance between loss of PEX11b and retention of peroxisome metabolic function raises the intriguing possibility of additional medically relevant roles for peroxisomes and Pex11b in tissue function.

**CHAPTER TWO: A transcriptional landscape of epidermal differentiation
during development**

Introduction

While many major signaling pathways are known to play roles in epidermal differentiation, novel pathways and mechanisms of *in vivo* differentiation are more challenging to uncover. The ability of human keratinocytes to differentiate and form epidermis *in vitro* has directed much of the seminal research on differentiation (Rheinwald and Green 1975, Sun and Green 1976, Fuchs and Green 1980). Under conditions favoring organotypic 3-D growth, human keratinocytes stratify and cornify expressing nearly all classical differentiation markers. Expression profiles have been generated for such cultures and these studies have highlighted proteins associated with each layer.

To add to this knowledge, I investigated differentiation in the developmental and organismal context. To characterize the expression changes involved in the development of each layer, I analyzed multiple time points. Direct isolation of embryonic mouse epidermis allows for understanding of the role of cross talk with other cell populations and the microenvironment. Using mice expressing fluorescent proteins under the control of the intermediate filament keratins 14 and 10 promoters (S. Chai and E. Fuchs, unpublished), I isolated the layers of the epidermis at time points throughout development by fluorescence activated cell sorting (FACS). I used these mice to develop a complete transcriptional profile of normal mouse epidermal differentiation *in vivo* using RNA sequencing and bioinformatic analyses.

This aim will address the following specific goals: (1) Design a method to reliably dissociate the differentiating layers of the mouse epidermis. (2) Conduct RNA sequencing of the epidermal layers at embryonic days 10.5, 16 and postnatal day 4. (3) Perform bioinformatic analysis of sequencing results to address answering the following questions: (a) What is the gene

expression signature associated with epidermal cells that are primed for or recently initiated differentiation? (b) How do these signatures change through development?

Results

A method to quantify epidermal differentiation

Analysis of mouse differentiation has often been largely qualitative involving comparison of relative visual quantities of differentiated markers in cell populations. To allow for assessment of changes to the normal differentiation program, a quantitative and generalizable method was needed. Using epidermal dissociation followed by flow cytometry probing for keratin expression, basal $\alpha 6$ integrin expression and cell size, I was able to distinguish the differentiated layers of the epidermis from one another (Fig 2.1). The keratins and integrin expression have long been associated with specific epidermal compartments. Immunostaining sagittal sections of P0 skin confirmed expression patterns associated with each population (Table 2.1) Optimizing dissociation time and dissociation method to maximize cell viability and cell yield were key in developing this methodology (see methods section for full details). The addition of size or granularity/scatter enabled me to distinguish between mid and later differentiating cells. Keratin 10/1 expressing cells comprise ~25% of the epidermal population. Among these differentiated cells, 50% are committed to differentiate as late spinous cells, 27% retain integrin expression (marking them as basal or early committed cells) and just under 10% are fully differentiated as granular cells.

Table 2.1 Flow cytometry markers for epidermal populations

Cell population	Markers
Basal	$\alpha 6$ integrin ^{hi} , Krt5 ⁺ Krt 10 ⁻
Early Spinous	$\alpha 6$ integrin ^{mid/hi} , Krt5 ⁺ Krt 10 ⁺
Late Spinous	$\alpha 6$ integrin ^{lo/neg} , Krt5 ⁺ Krt 10 ⁺ small scatter
Granular	$\alpha 6$ integrin ^{lo/neg} , Krt5 ⁺ Krt 10 ⁺ large scatter

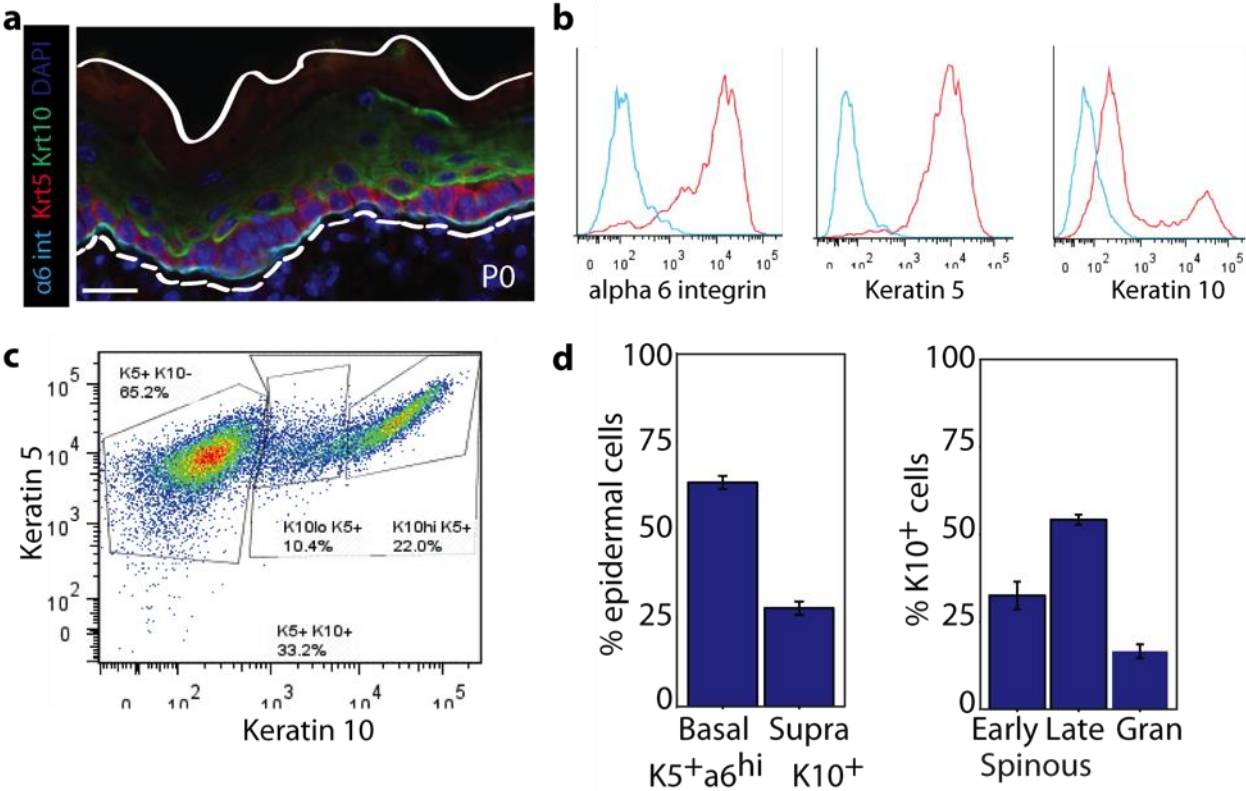


Figure 2.1 Quantifying differentiation.

a: P0 epidermis immunostained for keratins 5 and 10 and $\alpha 6$ integrin. Overlapping and distinct expression of each marker is shown. **b:** Flow cytometry histograms of P0 dissociated epidermis stained for each single marker shown in red and control cells shown in blue. **c:** Flow cytometry density plot of P0 epidermis immunostained for Krt5 and Krt10. Percentages of total population contained within each cell population are shown in **d**.

Population identity was confirmed by examining cell morphology and shape using photographic flow cytometry via the Image Stream-X cytometer (Fig 2.2). The majority (~60%) of the cells in the epidermis are basal cells. However, the larger size of suprabasal cells allows these differentiated layers to form the majority of the thickness of the skin (Fig 2.2b). While expression of keratins 10 and 1 are generally associated with suprabasal cells, this analysis highlights the presence of cells expressing these differentiated markers as well as the basement membrane associated hemidesmosome protein beta 4 integrin. Intriguingly, beta 4 integrin remained polarized on basal cells through the cell preparation and FACS protocol allowing me to clearly determine whether a cell remained attached to the BM. These differentiating K10+ basal cells, hereafter called early spinous cells, can also be further identified by co-expression of high levels of basal and suprabasal keratins (Fig 2.2a).

Late spinous cells were identified by expression of differentiated keratins K1/K10, lack of hemidesmosomal protein expression and a position on the scatter plot indicating a smaller size among K10 expressing cells but low granularity. Granular cells were defined by expression of differentiated keratins and large size, high scatter position representing significant granularity. Differences between these populations include intensity and arrangement of keratin proteins, size, shape, and cell cycle status (Fig 2.2c).

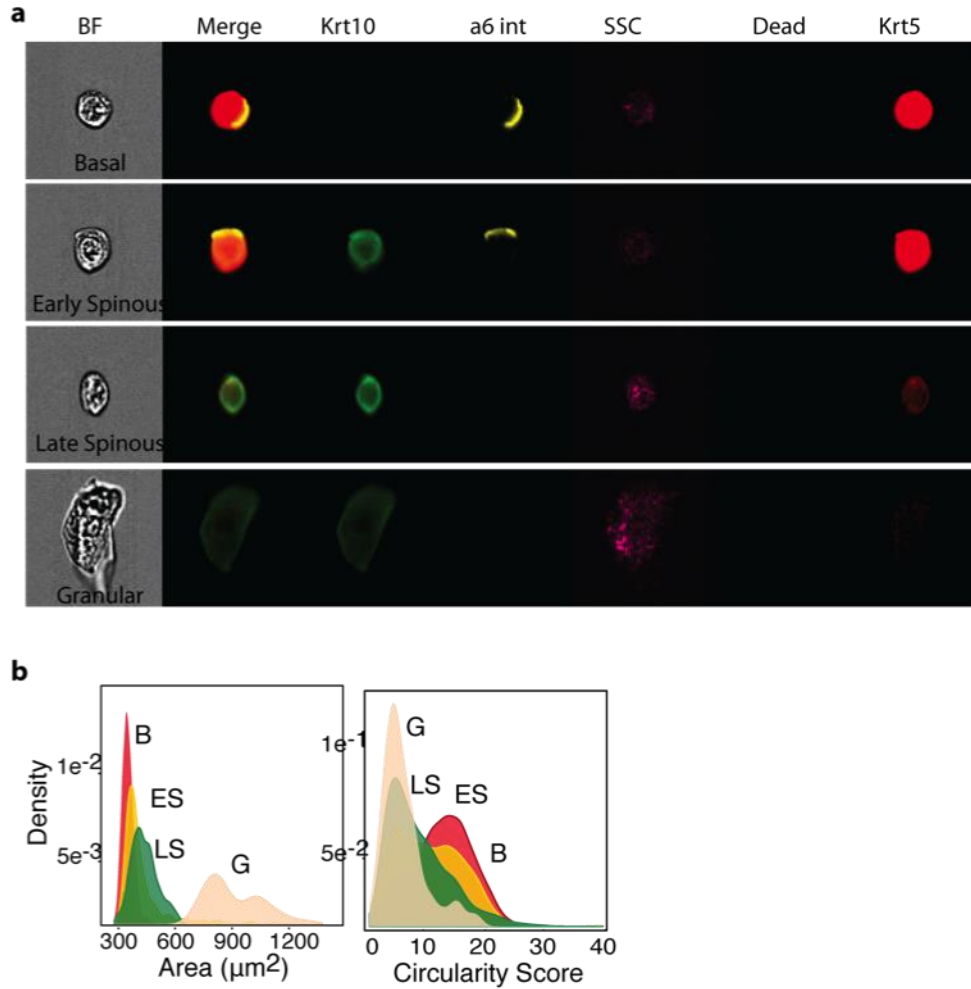


Figure 2.2 Visualization of epidermal populations.

a: Representative Image Stream X cytometer images of isolated epidermal cells from P0 epidermis. Note co-expression of $\alpha 6$ integrin with keratin 10. **b:** Density plots (histograms) of cell area and shape for each population. **c:** Cell cycle profile traces for cells with high, medium and low levels of keratin 10 expression. Red marked populations have the largest S phase population while blue and orange populations show little if any cells in S phase.

Transgenic mice for visualization of differentiation

Given the utility of the keratins to mark cell populations I turned to newly created transgenic mice where expression of fluorescent histone fusion proteins is driven under the keratin promoters (S. Chai and E. Fuchs, unpublished). Expression of Krt14-H2B-GFP is visible as early as E10.5 in discrete and isolated regions of the epidermis such as the first pharyngeal arch (Fig 2.3). Krt14-H2B-GFP is expressed in robustly basal cells as well as suprabasal cells suggesting keratin 14 promoter activity throughout the skin in agreement with known keratin 14 promoter activity. Krt10-H2B-RFP is visible by E16.5 and is restricted to the differentiated epidermal layers. Comparison between transgenic GFP and RFP expression and native keratin expression showed near complete overlap at postnatal day 4. High expression levels of fluorescent proteins had no effect on the viability or fertility of these transgenic mice (data not shown).

Temporal and spatial landscaping of epidermal differentiation

To capture the transition between undifferentiated and differentiated populations, the epidermis was dissociated at three time points during development (Fig 2.3c, see methods). Duplicate mRNA libraries were created for each population from >5 embryos per population. Global comparison of expression profiles showed that populations most distinct from one another were those most separated by space and/or time. Sequential populations such as E16.5 basal and early spinous cells showed much fewer differences in transcriptional profile. The goal of this experiment was to examine how gene expression changes in response to differentiation states.

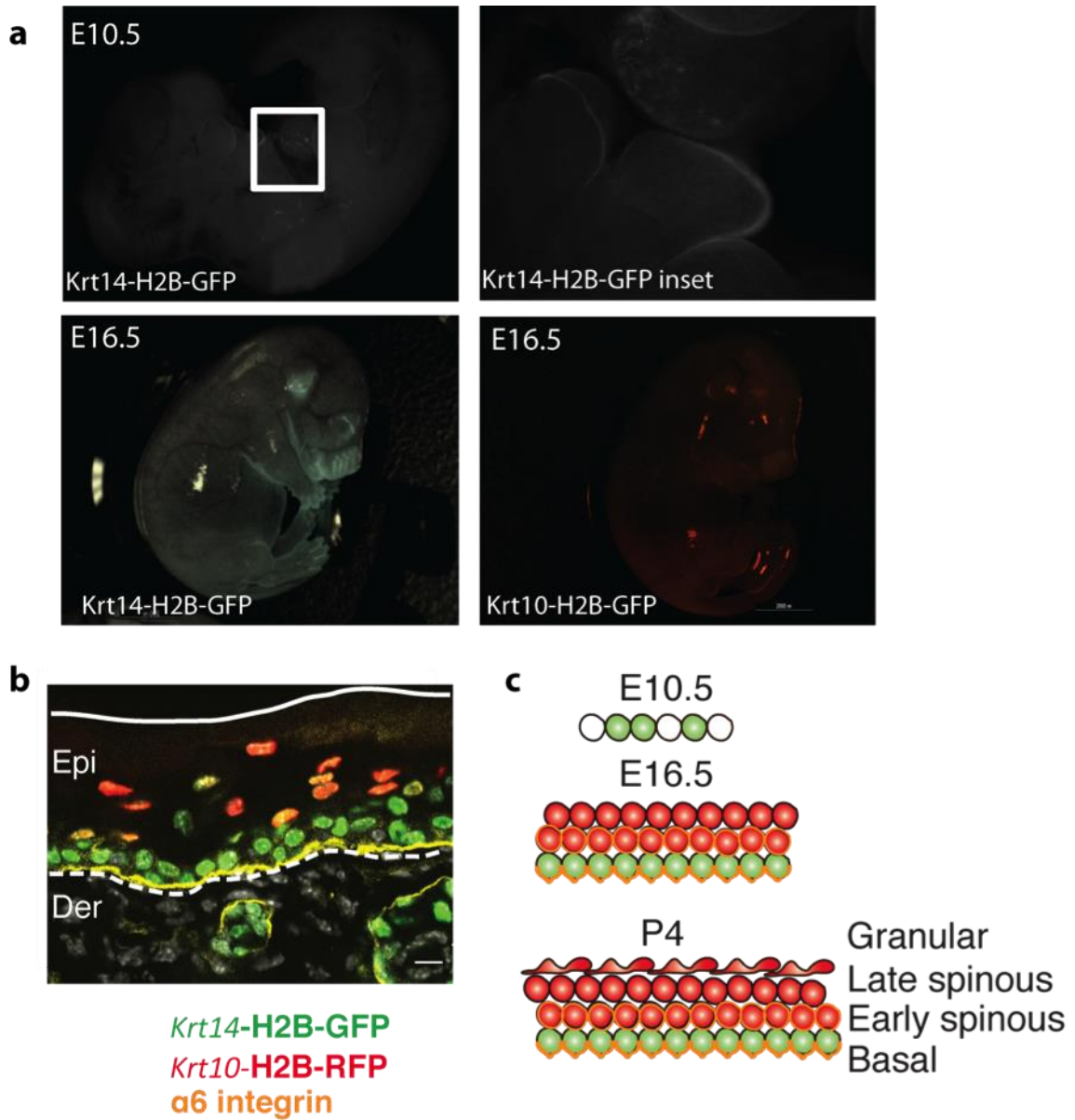


Figure 2.3 Expression patterns in Krt14-H2B-GFP & Krt10-H2B-RFP mice

a: Transgenic expression of fluorescent histones in mouse epidermis at E10.5 and E16.5. Krt14-H2B-GFP expression is visible as early as E10.5. **b:** Sagittal section through Krt14-H2B-GFP+ Krt10-H2B-RFP + P4 epidermis. **c:** Schematic of population isolation scheme.

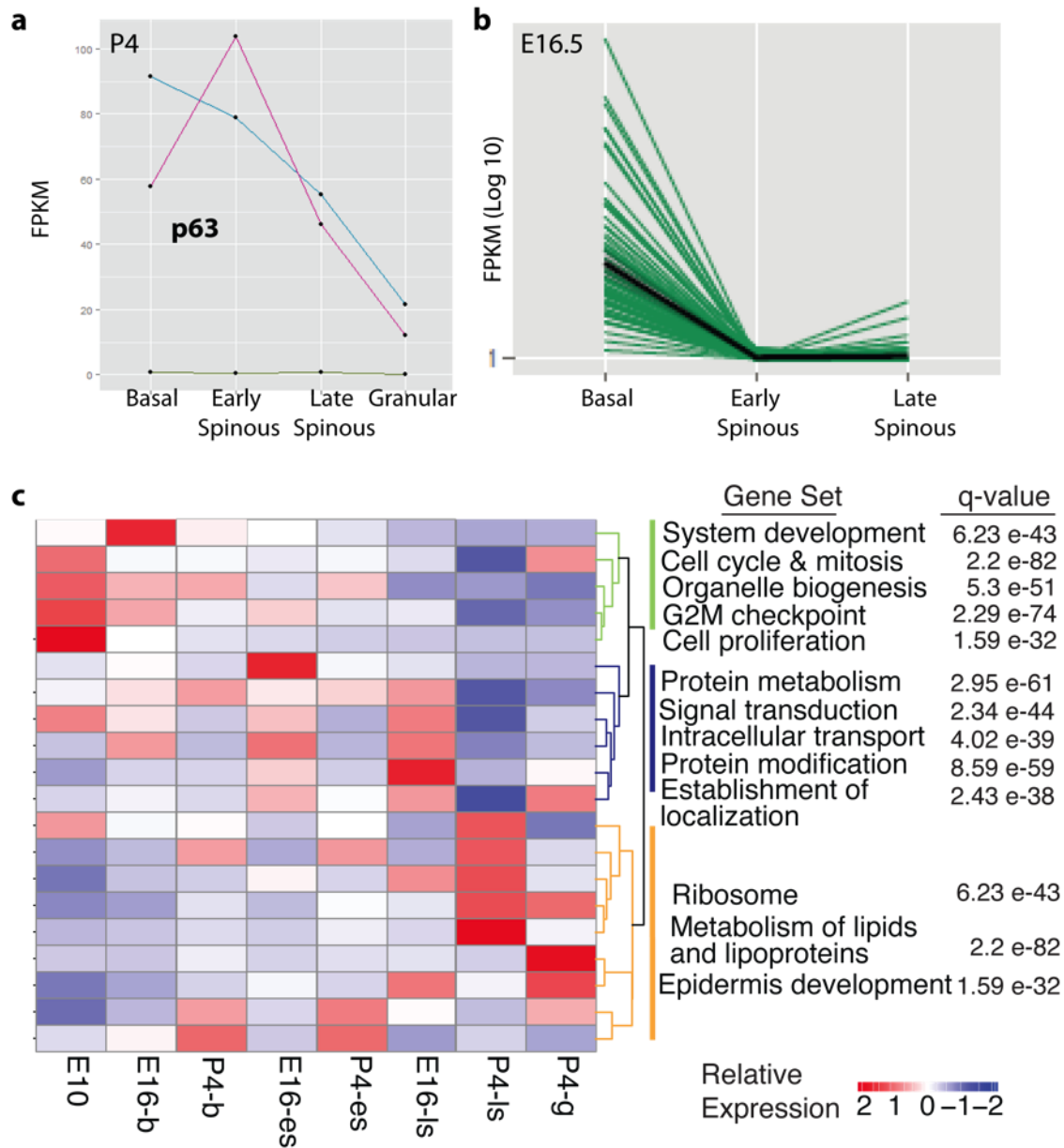


Figure 2.4 Overview of transcriptional profiles of epidermal population

a: FPKM values for 3 isoforms of p63 proteins in the P4 epidermis. **b:** K means clustered expression line plots for a group of transcripts behaving similarly in the E16.5 epidermis. **c:** Heatmap of expression patterns for differentially expressed genes clustered into groups of 100-200 genes each. Gene sets enriched within in group of genes and enrichment q-values are shown on right.

Quality Control

High quality sequencing reads obtained for each population showed the expected expression of keratin transcripts confirming the identity of the cell populations. Individual base pair read quality for all samples was >35 in the case of $>95\%$ of the bases. Greater than 11 million reads were obtained for each sample, well above the minimum requirement for robust differential expression analysis. Plots of average expression value per population reveal consistent trends between samples indicating similar library preparations. Relatedness as assessed by dendrogram clustered biological and technical replicates of populations together. A major limitation of this experimental design is the pooling of individual embryos into samples. While this allows for greater confidence in individual FPKM values, pooling embeds a portion of the biological variability between embryos within each sample. This variability is now invisible to analysis tools and cannot be used to accurately estimate sample variance. Instead variance was estimated across as samples analyzed together using an algorithm developed for RNAseq from biological samples. A second limitation assumes equivalent amounts of RNA within each cell. Bulk isolation of RNA from isolated cells presumes that the amount of RNA per cell remains consistent. The broad changes in protein expression associated with differentiation may indicate that this assumption may be correct.

Visualizing spatial transcript expression

For a single transcript, expression levels in all population can be visualized simultaneously. Consider the example of p63 in the postnatal day 4 epidermis (Fig 2.4a). Plotting FPKM values (fragments per kilpbase per million reads (a measure of transcript abundance)) relative to epidermal population creates a line whose slope indicates the magnitude of the change

between consecutive layers. For the transcript shown in purple, expression is highest in the basal layer and declines elsewhere. This is consistent with the data that only particular p63 transcripts are important for maintenance of the progenitor population during development (Candi et al 2006). Other p63 transcripts known to have little effect on differentiation are expressed at consistent levels in the epidermis and this is reflected in the expression profile.

Global views of differentiation

If I expand from looking at a single transcript to all transcripts differentially expressed between any two populations during development, I can then group the transcripts into common expression patterns. A heatmap illustrates these expression patterns (Fig 2.4c). Each row represents a cluster of transcripts expressed at similar relative levels through development and differentiation. Group 1 (green) transcripts are expressed at high levels in the undifferentiated epidermis and are reduced as the epidermis develops and stratifies. Gene set enrichment analysis yields gene sets associated with proliferation, development and organelle biosynthesis. Group 2 (blue) transcripts are induced in older and more differentiated populations but drop in the most differentiated layers after birth. The blue group is enriched in genes associated with protein metabolism, intracellular transport and protein modification processes. Group 3 (orange) transcripts are most upregulated in differentiated cells after birth. This group is enriched in gene sets associated with lipid production and protein translation two functions important for development of a competent barrier.

Examining the postnatal day 4 epidermis in isolation recapitulates many of the patterns seen across the developmental time series (Fig 1.5). Querying the genes differentially expressed between the undifferentiated basal layer and the fully differentiated granular layer yields unique

pathway enrichments in each expression signature. Top pathways in basal cells are associated with cancer, cell survival and cellular growth. In contrast, top pathways in differentiated granular cells are enriched in pathways of epidermal formation and skin diseases.

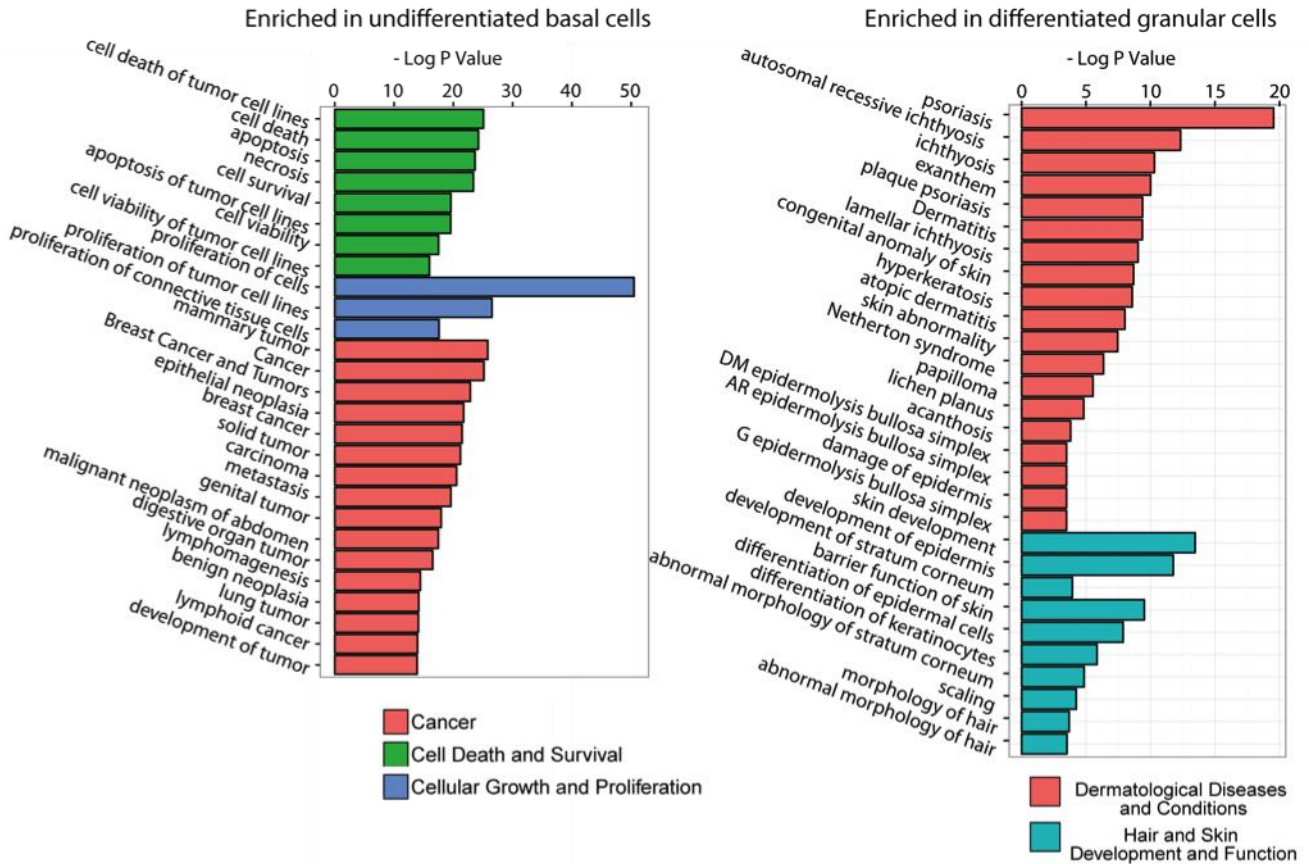


Figure 2.5 Pathway Enrichments in P4 Epidermis.

Comparison of pathway enrichments in comparison between P4 basal layer and P4 granular layer.

Dynamic basal & selective differentiation genes

While pathway analysis allows for the correlation of populations with expected pathways and gene sets, we wanted to go beyond this to uncover novel behaviors in this data set. To begin I compared the transcriptional profile of the basal layer at each time point to investigate what transcripts are associated with maintenance of progenitor cell identity. I queried transcripts for any gene differentially expressed between these populations. This group was then narrowed to include only genes that are differentially expressed in every comparison. These *dynamic genes* are continuously changing their expression level as the basal layer matures and performs its distinct temporal functions such as specification of hair placode progenitors early on or delaminating into the suprabasal layer in the middle of development (Fig2.6a).

The dendrogram shows two main branches indicating two broad patterns of expression, genes that are upregulated in the E10.5 epidermis and genes that are upregulated in the E16.5 or P4 basal layer. Other notable subsets include a small group of genes selectively downregulated at E16.5 and larger group selectively upregulated at E16.5 (Fig2.6a). Pathways analysis shows enrichment in genes associated with the extracellular matrix as the top group. Other enriched sets include proteins associated with the plasma membrane, epithelial to mesenchymal transition and signal transduction (Fig 2.6b,c).

Secondly, I compared the transcriptional profiles of adjacent early spinous (early differentiated) populations and basal (undifferentiated transit-amplifying populations). I queried transcripts for genes differentially expressed between these populations. This group was then limited to genes that are only differentially expressed in this comparison i.e. not generally upregulated in all differentiated cells relative to undifferentiated cells. These *selective*

differentiation genes are induced or down regulated in the developmental context unique to E16.5 epidermis (Fig 2.7).

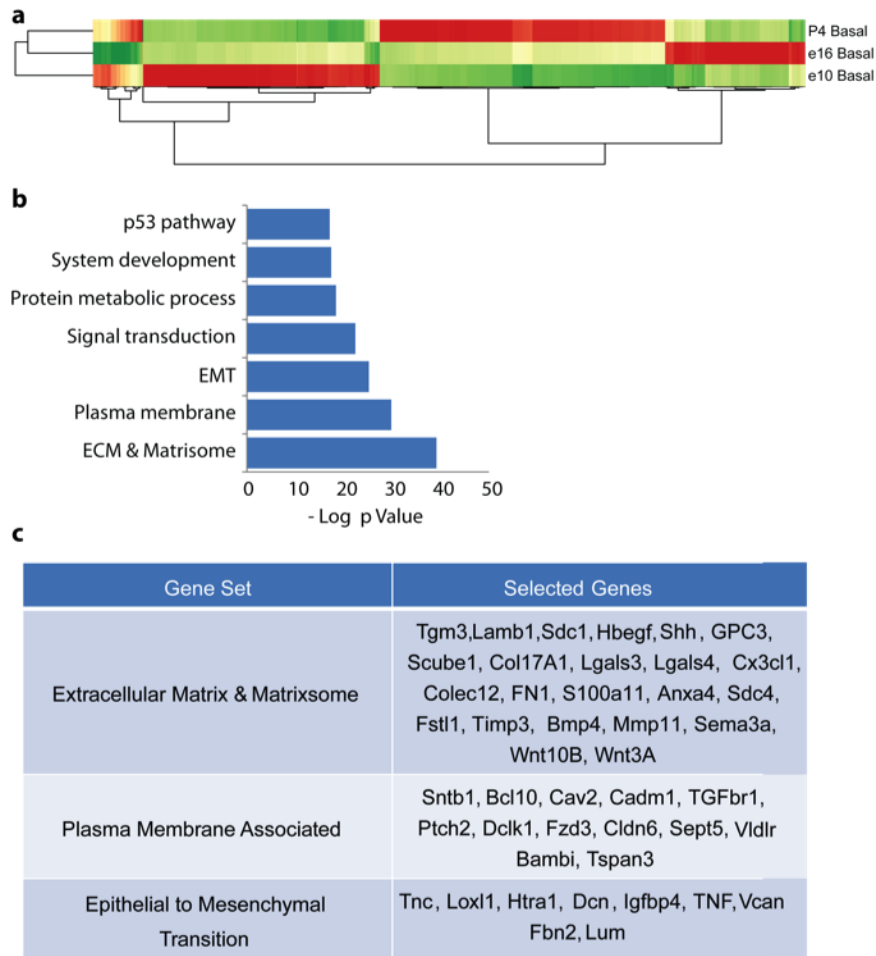


Figure 2.6 Dynamic Basal Gene Signature.

a: Heatmap of the dynamic basal gene expression levels in basal population at E10, E16.5 and P4. **b:** Gene set enrichments within the dynamic basal gene set. **c:** Selected genes associated with each gene set are displayed.

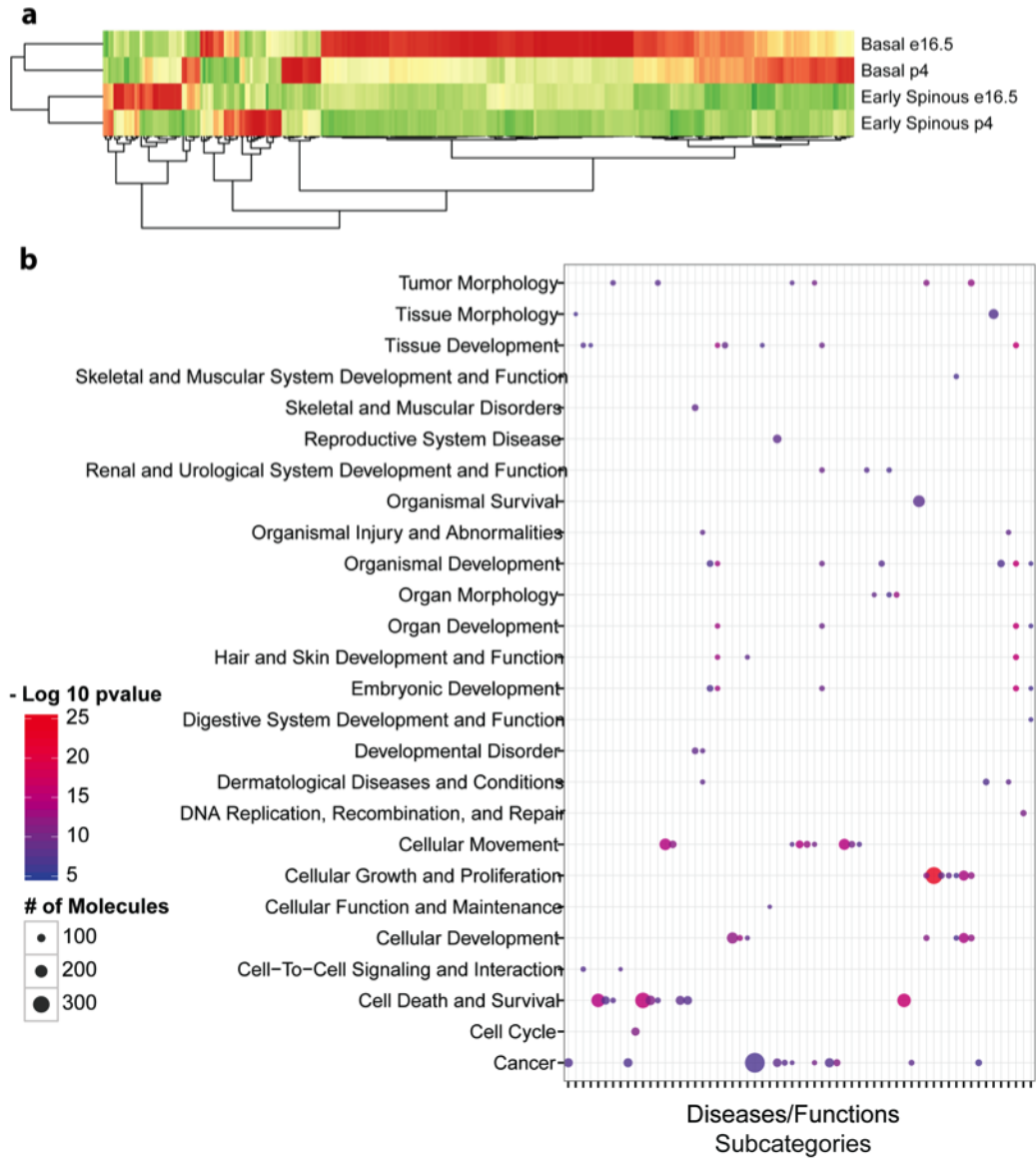


Figure 2.7 Selective Differentiation Gene Signature.

a: Heatmap of selective differentiation genes expression levels in basal and spinous populations at E16.5 and P4. **b:** Gene set enrichments within the selective differentiation signature are shown in this dot plot. Size of the dot indicates number of genes in the category, color indicates magnitude of significance.

The heatmap shows many genes with higher levels of expression in basal cells than spinous cells consistent with the silencing of cellular activity as cells begin to commit to terminal differentiation. Perhaps the most interesting groups of genes are those that are upregulated upon transition from a basal progenitor to an early spinous cell. Pathway analysis of E16.5 is depicted by a dot plot where the size and color of the dot indicates the significance of the particular group. E16.5 selective differentiation genes show enrichments in subcategories classified as cellular movement, growth, cell death and cancer.

***In Vitro* differentiation assay**

To discriminate between transcripts simply associated with differentiation and those that are potential regulators of this process, I used an *in vitro* differentiation assay on primary mouse keratinocytes derived from Krt14 H2B GFP+ Krt10 H2B RFP+ animals. Primary keratinocytes derived from neonatal transgenic animals propagated well in culture. Interestingly, co-culture with fibroblast feeder cells caused increased GFP expression (Fig 2.8a). Groups of keratinocytes with the highest levels of GFP displayed a clustered morphology adjacent to feeder cells while cells appearing more two-dimensional reduced and often lost GFP expression. Under low calcium conditions no RFP expression was detected. Upon calcium induction these keratinocytes began to slowly express RFP though maximum expression observed never went much beyond 20% of all cells (Fig 2.8 b,c).

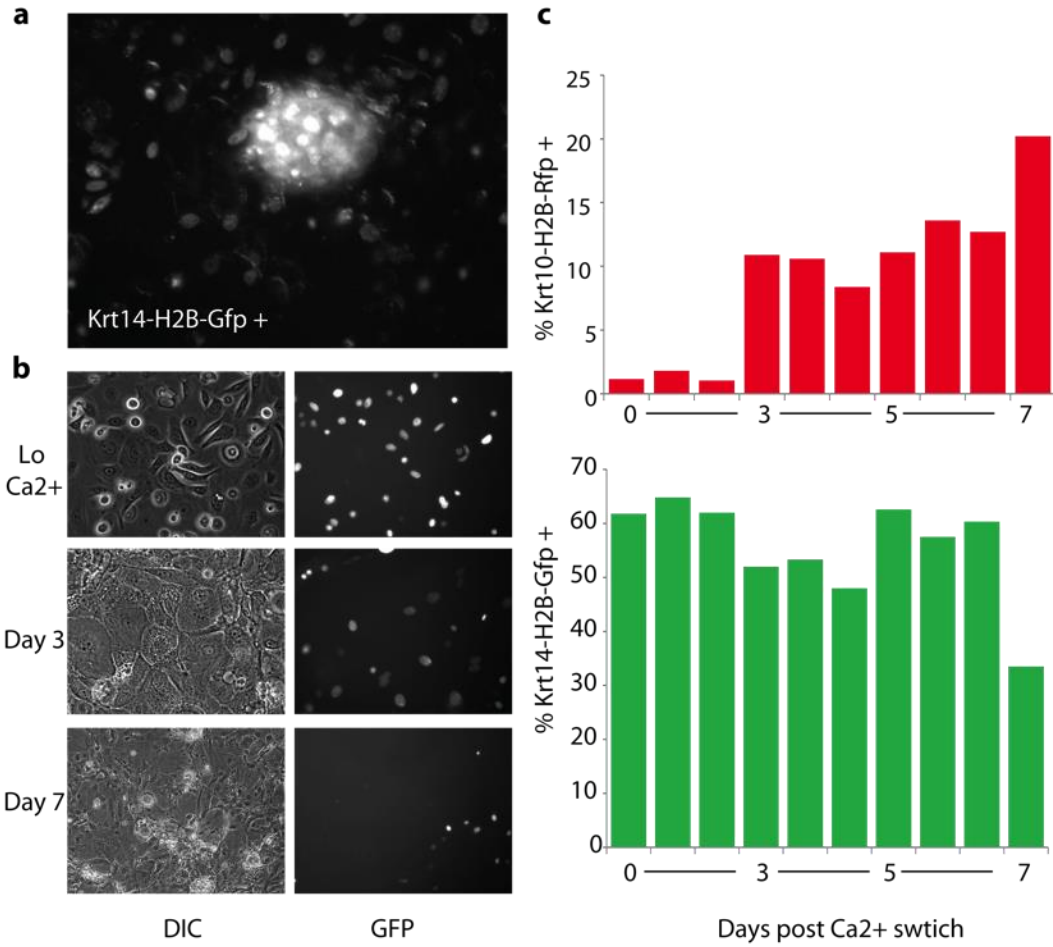


Figure 2.8 In Vitro differentiation assay using transgenic keratinocytes.

a: GFP expression in passage 5 primary mouse keratinocytes from Krt14-H2B-GFP animals. **b:** Reductions in GFP expression after introduction of media containing higher levels of calcium. **c:** Quantifications of GFP and RFP positive cells after calcium induced keratinocyte differentiation over the course of 1 week.

With a functional assay in hand, I then applied shRNAs targeting genes from the dynamic basal and selective differentiation signatures (Fig 2.9a). shRNAs targeting transcripts from the differentiation signatures were used to deplete transcripts in cycling keratinocytes and then cells were induced to differentiate. Cycling keratinocytes expressed GFP, but upon calcium induced differentiation cells lose GFP expression and begin to express RFP. Proportions of GFP⁺ and RFP⁺ cells were measured for each shRNA 5 days after addition of high levels of calcium. These experiments were run in quadruplicate.

Rapidly after transition to high calcium media cells begin to lose expression of Krt14-H2B-GFP. Loss of GFP expression occurs uniformly throughout the cultures while induction of Krt10-H2B-RFP occurs in only select keratinocytes. Looking at the performance of all genes in a single replicate shows loss of some genes potentially increased Krt10-H2B-RFP expression while others did not (Fig 2.9b). The aggregate performance of each shRNAs targeting a single gene showed that the loss of particular shRNAs restricted or enhanced differentiation (Fig 2.9c). These results validate the use of cells from this transgenic line for *in vitro* growth and differentiation assays and suggest that transcripts identified via transcriptional profiling can affect the ability of keratinocytes to differentiate in culture.

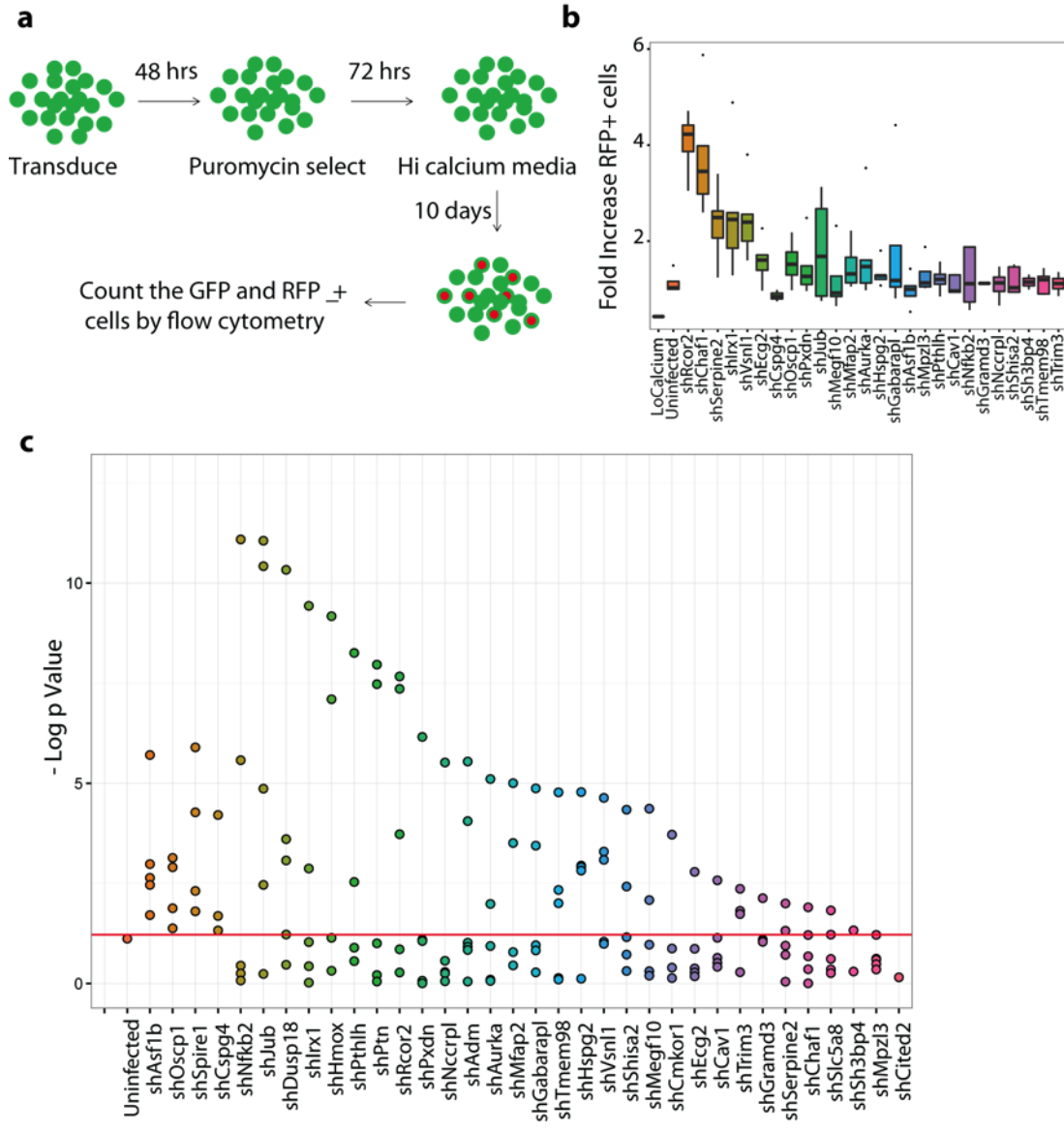


Figure 2.9 In Vitro assay of epidermal differentiation.

a: Cartoon of assay design for screening of ~25 genes representing over 100 shRNAs. **b:** Performance of genes in a single replicate of *in vitro* differentiation assay. **c:** Aggregated performance of each shRNA over the course of the screen. Each dot represents an individual shRNA.

Discussion

In the first part of this work, I focused on understanding normal epidermal development. This deeper characterization of the cell populations generated by differentiation and proliferation revealed a number of new features associated with these classic cell types.

Using well characterized markers associated with epidermal cell layers, I designed a flow cytometry based assay for differentiation throughout development. With this isolation scheme, four epidermal sub populations were identified. These populations mirror classically identified epidermal layers with the exception of the division of the spinous layer into two populations. The distinction of early vs late spinous cells was made based on the heterogeneity observed in the isolated keratin 10 positive cell population. Different levels of integrin expression and cell cycle statuses were observed within this single population. Cell cycle profiling confirmed that cells expressing higher levels of integrins in addition to differentiation keratins 1/10 were more likely to be dividing and closely associated with the basement membrane. These differences suggest that these cells are functionally distinct from other spinous cells which are generally considered post-mitotic.

Shape and morphology analysis shed light on the dramatic cytoskeletal changes cells undergo between the basal layer and the granular layer. A subset of basal cells showed a single bright domain where alpha 6 integrin localized even after enzymatic digestion and tissue dissociation. This retention suggests that cell autonomous mechanisms regulate polarity and segment the cell cortex into discrete domains. While many basal polarity cues come from interaction with the basement membrane and dermal environment, this expression pattern suggests these external cues are not required to maintain integrin localization in a subset of basal

cells. Other basal cells and early spinous cells showed diffuse alpha 6 integrin expression throughout the cortex. These highly polarized basal cells may represent a subset of basal cells with distinct replicative potential or differentiation capacity.

The data show a number of transcripts expressed in the most differentiated layer of the skin at postnatal day 4, indicating that these cells remain somewhat transcriptionally active through the end of differentiation program which is in contrast to the view that terminal epidermal differentiation is predominantly a transcriptionally silent and inactive state. An abundance and variety of transcripts are expressed in the post-mitotic granular cells extending well beyond the handful of previously known transcripts. Given the well circumscribed role of granular cells in epidermal differentiation, the diversity and quantity of transcripts expressed in these cells is curious. Whether these transcripts are associated with protein expression or the RNA itself regulates biological activity is not clear from these data.

Dynamic basal and specific differentiated gene sets provide candidates specifically associated with progenitor development and asymmetric cell division respectively. The enrichment in the dynamic basal signature for ECM associated proteins is consistent with the maturation of the basement membrane that occurs during embryonic development. Though we often assume this process is directed by the underlying dermal compartment, these data suggest an active role for the epidermis in regulating the extracellular microenvironment during development. This could have implications for recruitment of other cell populations such as melanocytes and neurons or for regulating cell compaction and tension generation. Using comparative transcriptional analysis, I have identified candidate transcript regulators of these processes.

This type of large scale genomic analysis assumes that alterations in abundance of transcripts are associated with functional differences between cell populations. To address this assumption I screened ~150 shRNAs for alterations of calcium-induced differentiation after knock down. A subset of the genes screened showed consistent and significant changes in the percentage of cells expressing the differentiation associated keratin 10 (Table 2.2). This suggests that the gene sets identified are not only correlated with functional roles in differentiation but also have the potential to be direct drivers of differentiation.

This analysis yielded a number of significant conclusions. Firstly, the data show a number of transcripts expressed in the most differentiated layer of the skin at postnatal day 4, indicating that these cells remain somewhat transcriptionally active through the end of differentiation program which is in contrast to the view that terminal epidermal differentiation is predominantly a transcriptionally silent and inactive state . Using cluster analysis, I identified groups of genes with similar performances through differentiation. The discovery of these developmentally dynamic expression groups, many of which include known differentiation master regulators, broadens our understanding of promoter and regulatory elements important for differentiation. Finally knocking down these newly identified genes in vitro allows comparison of the transcriptional networks common to in vivo and in vitro differentiation and suggests that many genes with dynamic expression patterns will have important functional roles in both states.

Table 2.2 Results of *In Vitro* RNAi screen for regulators of differentiation

K14 Gfp+	K10 Rfp+	Fold Change from replicate uninfected control	shRNA Names	Group	Replicate	GroupTtest	Median	NormFoldovectrl	Ttest	NumSig/Rank	NLogPval
14.1	73.4	1.068181818	Asf1b_F5	shAsf1b	0			0.940	0.020	5	1.708
6.98	41.7	0.528787879	Asf1b_F1	shAsf1b	0	0.440499205	0.98	0.465	0.003	5	2.462
11.3	73.5	0.856060606	Asf1b_F3	shAsf1b	0			0.754	0.002	5	2.638
18.8	61.4	1.424242424	Asf1b_F2	shAsf1b	0			1.254	0.001	5	2.982
13.2	56.5	1	Asf1b_F4	shAsf1b	0			0.880	0.000	5	5.706
80.5	0.086	1.791666667	Dusp18_G8	shDusp18	1			0.272	0.341	4	0.467
80.3	0.41	8.541666667	Dusp18_G7	shDusp18	1			1.298	0.060	4	1.222
81.8	0.21	4.375	Dusp18_G6	shDusp18	1			0.665	0.001	4	3.072
79.1	0.39	8.125	Dusp18_G4	shDusp18	1			1.234	0.000	4	3.605
79	1.17	24.375	Dusp18_G5	shDusp18	1	0.499468378	9.44	3.703	0.000	4	10.330
16.9	66.3	1.28030303	Hspg2_C9	shHspg2	0			1.127	0.759	4	0.120
15.9	62.7	1.204545455	Hspg2_C7	shHspg2	0			1.060	0.002	4	2.820
17	66	1.287878788	Hspg2_C5	shHspg2	0	0.631843532	1.33	1.134	0.001	4	2.907
23.8	79.5	1.803030303	Hspg2_C6	shHspg2	0			1.587	0.001	4	2.944
14.2	69.3	1.075757576	Hspg2_C8	shHspg2	0			0.947	0.000	4	4.780
11.3	33	0.856060606	Jub_D6	shJub	0			0.754	0.578	4	0.238
10	81.5	0.757575758	Jub_D8	shJub	0			0.667	0.003	4	2.463
22.2	77.3	1.681818182	Jub_D9	shJub	0			1.480	0.000	4	4.865
35.3	74.1	2.674242424	Jub_D7	shJub	0			2.354	0.000	4	10.422
41.3	71.8	3.128787879	Jub_D5	shJub	0	0.326852449	1.82	2.754	0.000	4	11.057
12.9	73.4	0.977272727	Oscp1_G6	shOscp1	0			0.860	0.042	4	1.379
18.5	72.7	1.401515152	Oscp1_G7	shOscp1	0			1.234	0.013	4	1.879
21.6	70.5	1.636363636	Oscp1_G9	shOscp1	0			1.440	0.001	4	2.903
28.8	66.5	2.181818182	Oscp1_G5	shOscp1	0	0.187746102	1.55	1.921	0.001	4	3.137
83.3	0.24	5	Spire1_G4	shSpire1	1			0.760	0.016	4	1.803
71.6	0.26	5.416666667	Spire1_G6	shSpire1	1			0.823	0.005	4	2.311
82.2	0.55	11.45833333	Spire1_G5	shSpire1	1	0.404569729	8.23	1.741	0.000	4	4.274
80.5	0.53	11.04166667	Spire1_G7	shSpire1	1			1.677	0.000	4	5.897
13	55.7	0.984848485	Cspg4_F4	shCspg4	0			0.867	0.047	3	1.324
9.88	70.7	0.748484848	Cspg4_F3	shCspg4	0			0.659	0.021	3	1.687
11.2	61	0.848484848	Cspg4_F2	shCspg4	0	0.080290624	0.86	0.747	0.000	3	4.208
77.6	0.92	5.411764706	Hmox_B10	shHmox	2	0.32133431	4.32	1.032	0.481	3	0.318

47.7	0.55	3.235294118	Hmox_B5	shHmox	2			0.617	0.072	3	1.140
31.7	0.39	3.545454545	Hmox_B7	shHmox	4			2.229	0.000	3	7.098
22.9	0.43	3.909090909	Hmox_B9	shHmox	4	0.005314222	2.82	2.457	0.000	3	9.172
7.32	93.3	4.13559322	Rcor2_B9	shRcor2	0			3.640	0.531	3	0.275
5.4	92.6	3.050847458	Rcor2_B10	shRcor2	0	0.000236403	4.05	2.686	0.140	3	0.853
79	0.25	5.208333333	Rcor2_C1	shRcor2	1			0.791	0.000	3	3.727
8.34	88.9	4.711864407	Rcor2_B11	shRcor2	0			4.148	0.000	3	7.358
7.64	88.1	4.316384181	Rcor2_B12	shRcor2	0			3.800	0.000	3	7.667
11.6	66.2	0.878787879	Tmem98_B9	shTmem98	0			0.774	0.796	3	0.099
19	67	1.439393939	Tmem98_B7	shTmem98	0			1.267	0.728	3	0.138
15.8	82.4	1.196969697	Tmem98_B10	shTmem98	0	0.998926208	1.14	1.054	0.010	3	2.005
16.7	61.3	1.265151515	Tmem98_B6	shTmem98	0			1.114	0.005	3	2.336
11.9	87.2	0.901515152	Tmem98_B8	shTmem98	0			0.794	0.000	3	4.773
78.3	0.31	6.458333333	Trim3_E4	shTrim3	1			0.981	0.523	3	0.282
11.3	71.8	0.856060606	Trim3_E3	shTrim3	0	0.882794196	1.11	0.754	0.018	3	1.734
14	52	1.060606061	Trim3_E5	shTrim3	0			0.934	0.015	3	1.814
15.5	87.6	1.174242424	Trim3_E7	shTrim3	0			1.034	0.004	3	2.364
2.83	87.1	1.598870056	Vsnl1_E1	shVsnl1	0			1.407	0.103	3	0.989
4.24	88.9	2.395480226	Vsnl1_E2	shVsnl1	0			2.109	0.090	3	1.045
4.53	92.2	2.559322034	Vsnl1_D12	shVsnl1	0			2.253	0.001	3	3.088
6.73	90.6	3.802259887	Vsnl1_D10	shVsnl1	0	0.018024537	2.47	3.347	0.001	3	3.293
3.54	90.1	2	Vsnl1_D11	shVsnl1	0			1.761	0.000	3	4.635
13.9	51.5	1.053030303	Uninfected	Uninfected	0		1.14	0.927	0.076	3	1.119
82.4	0.12	2.5	Adm_B9	shAdm	1			0.380	0.893	2	0.049
71.9	0.16	3.333333333	Adm_B11	shAdm	1			0.506	0.145	2	0.838
71.9	0.31	6.458333333	Adm_D10	shAdm	1			0.981	0.121	2	0.917
74.4	0.49	10.20833333	Adm_D9	shAdm	1	0.813201789	7.01	1.551	0.096	2	1.018
52.2	0.46	9.583333333	Adm_B10	shAdm	1			1.456	0.000	2	4.055
74.4	0.48	10	Adm_C1	shAdm	1			1.519	0.000	2	5.543
12.9	75.6	0.977272727	Aurka_G5	shAurka	0			0.860	0.861	2	0.065
21.2	75.3	1.606060606	Aurka_G6	shAurka	0			1.414	0.801	2	0.096
79	0.4	8.333333333	Aukra_G6	shAurka	1			1.266	0.116	2	0.937
19.4	79.6	1.46969697	Aurka_G8	shAurka	0			1.294	0.010	2	1.987
14.9	65.5	1.128787879	Aurka_G4	shAurka	0	0.377934359	1.74	0.994	0.000	2	5.106
4.6	93.9	2.598870056	Chaf1_G10	shChaf1	0	0.00634059	3.78	2.288	0.990	2	0.004
6.11	88	3.451977401	Chaf1_G11	shChaf1	0			3.039	0.441	2	0.355
85.1	0.32	6.666666667	Chaf1_G12	shChaf1	1			1.013	0.210	2	0.678
7.05	93.1	3.983050847	Chaf1_H1	shChaf1	0			3.506	0.062	2	1.211
63.4	0.13	2.708333333	Chaf1_G9	shChaf1	1			0.411	0.013	2	1.903

25.2	83.1	1.909090909	Gabarapl_D11	shGabara pl	0			1.681	0.52 8	2	0.278
10.7	79.7	0.810606061	Gabarapl_D7	shGabara pl	0			0.714	0.14 9	2	0.826
15.6	70.9	1.181818182	Gabarapl_D9	shGabara pl	0			1.040	0.11 1	2	0.955
58.3	83.3	4.416666667	Gabarapl_D8	shGabara pl	0			3.888	0.00 0	2	3.443
13.8	79.6	1.045454545	Gabarapl_D10	shGabara pl	0	0.4309289	1.87	0.920	0.00 0	2	4.872
4.34	95.5	2.451977401	Irx1_B1	shIrx1	0			2.158	0.95 1	2	0.022
2.28	94.3	1.288135593	Irx1_A12	shIrx1	0			1.134	0.37 0	2	0.431
3.28	95.4	1.853107345	Irx1_B3	shIrx1	0			1.631	0.09 2	2	1.034
4.59	92	2.593220339	Irx1_A11	shIrx1	0	0.09211397 3	2.61	2.283	0.00 1	2	2.871
8.65	93.7	4.88700565	Irx1_B2	shIrx1	0			4.302	0.00 0	2	9.431
65.3	0.46	9.583333333	Megf10_A10	shMegf10	1	0.33472942 7	8.67	1.456	0.63 7	2	0.196
8.58	70.8	0.65	Megf10_A8	shMegf10	0			0.572	0.49 3	2	0.307
12.2	64.9	0.924242424	Megf10_A6	shMegf10	0	0.87277285 8	1.20	0.814	0.10 7	2	0.969
12.1	72.2	0.916666667	Megf10_A7	shMegf10	0			0.807	0.00 8	2	2.083
30.6	79.6	2.318181818	Megf10_A9	shMegf10	0			2.041	0.00 0	2	4.365
19.5	66.1	1.477272727	Mfap2_G10	shMfap2	0	0.28260937 7	1.48	1.300	0.35 4	2	0.452
13.9	78.8	1.053030303	Mfap2_G12	shMfap2	0			0.927	0.16 4	2	0.785
15.3	83.6	1.159090909	Mfap2_H1	shMfap2	0			1.020	0.00 0	2	3.508
29.3	60.1	2.21969697	Mfap2_G11	shMfap2	0			1.954	0.00 0	2	5.003
9.69	72	0.734090909	Nfkib12_D2	shNfkib2	0			0.646	0.84 1	2	0.075
14.7	65.9	1.113636364	Nfkib12_D1	shNfkib2	0			0.980	0.56 1	2	0.251
7.49	81.5	0.567424242	Nfkib12_D3	shNfkib2	0			0.499	0.35 8	2	0.447
74	1.04	21.66666667	Nfkib12_D4	shNfkib2	1			3.291	0.00 0	2	5.576
25	77.6	1.893939394	Nfkib12_C12	shNfkib2	0	0.76985479 4	1.24	1.667	0.00 0	2	11.089
15.7	65.1	1.189393939	Pthlh_B5	shPthlh	0			1.047	0.27 6	2	0.559
11.2	81.2	0.848484848	Pthlh_B8	shPthlh	0			0.747	0.12 8	2	0.894
20.8	78.8	1.575757576	Pthlh_B4	shPthlh	0	0.71768600 2	1.21	1.387	0.00 3	2	2.534
16.1	58.9	1.21969697	Pthlh_B6	shPthlh	0			1.074	0.00 0	2	8.254
83.7	0.44	9.166666667	Ptn_D4	shPtn	1			1.392	0.89 2	2	0.050
82.1	0.32	6.666666667	Ptn_D3	shPtn	1			1.013	0.61 6	2	0.210
78.5	0.68	14.16666667	Ptn_D2	shPtn	1			2.152	0.09 9	2	1.003
76.3	1.01	21.04166667	Ptn_D1	shPtn	1			3.196	0.00 0	2	7.474
67.9	1.11	23.125	Ptn_C12	shPtn	1	0.03881560 5	14.83	3.513	0.00 0	2	7.963
16.7	79.9	1.265151515	Pxdn_F9	shPxdn	0			1.114	0.98 8	2	0.005
19.6	47.8	1.484848485	Pxdn_F8	shPxdn	0			1.307	0.85 5	2	0.068
14.5	46	1.098484848	Pxdn_F7	shPxdn	0			0.967	0.08 7	2	1.060
12.7	59.9	0.962121212	Pxdn_F10	shPxdn	0	0.35273920 2	1.46	0.847	0.08 0	2	1.096
32.8	84.1	2.484848485	Pxdn_F6	shPxdn	0			2.187	0.00 0	2	6.157
4.72	93.6	2.666666667	Serpine2_A8	shSerpine 2	0			2.347	0.90 0	2	0.046

2.2	94.3	1.242937853	Serpine2_A6	shSerpine2	0			1.094	0.193	2	0.715
3.41	92.1	1.926553672	Serpine2_A9	shSerpine2	0			1.696	0.114	2	0.944
4.43	94.8	2.502824859	Serpine2_A10	shSerpine2	0	0.012226479	2.37	2.203	0.048	2	1.317
6.02	93.4	3.401129944	Serpine2_A7	shSerpine2	0			2.994	0.010	2	1.999
20	59.4	1.515151515	Tmem46_H1	shShisa2	0			1.334	0.487	2	0.313
13.6	86.1	1.03030303	Tmem46_G12	shShisa2	0			0.907	0.189	2	0.722
12.4	43.6	0.939393939	Tmem46_G11	shShisa2	0			0.827	0.070	2	1.157
67.2	0.26	5.416666667	Tmem46_G9	shShisa2	1			0.823	0.004	2	2.421
19.3	66	1.462121212	Tmem46_G10	shShisa2	0	0.838969618	1.17	1.287	0.000	2	4.340
17.4	72.3	1.318181818	Cav1_G3	shCav1	0			1.160	0.383	1	0.417
17.1	84.4	1.295454545	Cav1_G2	shCav1	0			1.140	0.303	1	0.518
12.3	81.8	0.931818182	Cav1_F12	shCav1	0	0.377613684	1.09	0.820	0.228	1	0.641
12.4	54.4	0.939393939	Cav1_F11	shCav1	0			0.827	0.072	1	1.141
12.7	62.9	0.962121212	Cav1_G1	shCav1	0			0.847	0.003	1	2.576
18.4	57.8	1.393939394	Ecg2_A8	shEcg2	0			1.227	0.660	1	0.180
12.8	82.4	0.96969697	Ecg2_A9	shEcg2	0			0.854	0.530	1	0.275
21.2	76.4	1.606060606	Ecg2_A10	shEcg2	0	0.231105758	1.59	1.414	0.420	1	0.377
29.9	75.2	2.265151515	Ecg2_A6	shEcg2	0			1.994	0.136	1	0.867
22.6	80.8	1.712121212	Ecg2_A7	shEcg2	0			1.507	0.002	1	2.788
14.8	76.1	1.121212121	Gramd3_E8	shGramd3	0		1.12	0.987	0.091	1	1.040
71.8	0.39	2.294117647	Gramd3_E6	shGramd3	2	0.009347365	2.62	0.437	0.083	1	1.080
83	0.34	7.083333333	Gramd3_E5	shGramd3	1	0.390054506	5.21	1.076	0.080	1	1.095
77.2	0.26	5.416666667	Gramd3_E7	shGramd3	1			0.823	0.007	1	2.131
8.73	80.6	0.661363636	Nccrp1_D7	shNccrp1	0			0.582	0.878	1	0.056
16.5	76.3	1.25	Nccrp1_D9	shNccrp1	0			1.100	0.562	1	0.251
12.6	81.2	0.954545455	Nccrp1_D11	shNccrp1	0			0.840	0.516	1	0.287
14.9	77.5	1.128787879	Nccrp1_D10	shNccrp1	0	0.823609046	1.09	0.994	0.271	1	0.567
19.4	81.4	1.46969697	Nccrp1_D8	shNccrp1	0			1.294	0.000	1	5.519
17.2	37.4	1.303030303	Sh3bp4_C6	shSh3bp4	0	0.957091082	1.15	1.147	0.504	1	0.298
13.1	68.3	0.992424242	Sh3bp4_C9	shSh3bp4	0			0.874	0.047	1	1.328
30.1	0.14	1.272727273	Slc5a8_F1	shSlc5a8	4			0.800	0.551	1	0.259
26.3	0.14	1.272727273	Slc5a8_F3	shSlc5a8	4			0.800	0.445	1	0.351
23.5	0.18	1.636363636	Slc5a8_F5	shSlc5a8	4			1.029	0.244	1	0.613
45.6	0.18	1.636363636	Slc5a8_F4	shSlc5a8	4	0.413081319	1.85	1.029	0.060	1	1.220
27.4	0.38	3.454545455	Slc5a8_F2	shSlc5a8	4			2.171	0.015	1	1.825
81.9	0.44	9.166666667	Cited2_A7	shCited2	1	#DIV/0!	9.17	1.392	0.702	0	0.154
36.8	0.12	1.090909091	Cmkor1_A1	shCmkor1	4			0.686	0.731	0	0.136
44.2	0.19	1.727272727	Cmkor1_A2	shCmkor1	4			1.086	0.402	0	0.396
32.8	0.18	1.636363636	Cmkor1_A5	shCmkor1	4			1.029	0.134	0	0.873

32.2	0.81	9.759036145	Cmkor1_A4	shCmkor1	6	0.15185911 4		1.451	0.00 0	0	3.717
79.5	0.32	6.666666667	Mpzl3_C5	shMpzl3	1			1.013	0.44 6	0	0.350
24.8	71.7	1.878787879	Mpzl3_F8	shMpzl3	0			1.654	0.32 9	0	0.483
79.8	0.26	5.416666667	Mpzl3_F9	shMpzl3	1			0.823	0.25 5	0	0.593
15.8	80.7	1.196969697	Mpzl3_C3	shMpzl3	0	0.53358048 3	1.29	1.054	0.24 0	0	0.620
14	58.1	1.060606061	Mpzl3_F10	shMpzl3	0			0.934	0.06 1	0	1.214
13.9	51.5	1.053030303	Uninfected								
13.2	47.1	1	Uninfected								
75.6	0.3	6.25	Uninfected								
77.5	0.55	11.45833333	Uninfected								
80	0.35	7.291666667	Uninfected								
58.9	0.24	2.181818182	Uninfected								
48.8	0.26	2.363636364	Uninfected								
59.7	0.27	2.454545455	Uninfected								
56.9	0.23	2.090909091	Uninfected								
51.5	0.25	2.272727273	Uninfected								
57.7	0.25	2.272727273	Uninfected								
59.4	0.16	1.454545455	Uninfected								
75.6	0.3	6.25	Uninfected								
75.6	0.3	6.25	Uninfected								
77.5	0.55	11.45833333	Uninfected								
77.5	0.55	11.45833333	Uninfected								
80	0.35	7.291666667	Uninfected								
80	0.35	7.291666667	Uninfected								
44.3	0.55	6.626506024	Uninfected								
70.5	0.27	3.253012048	Uninfected								
69.6	0.28	3.373493976	Uninfected								

CHAPTER THREE: *In vivo* screen to identify novel regulators of epidermal differentiation

Introduction

Large-scale screening techniques can be used to interrogate multiple biological effects simultaneously. While traditional techniques focused on a single genetic animal model or molecule, a screen allows for a broader focus on overlapping pathways, systems or common modes of regulation. Using an *in utero* lentiviral injection technique, I searched for new regulator mechanisms of epidermal differentiation in wild type and tumor prone backgrounds. With high-throughput sequencing, abundances of shRNA transduced cells in each cell population can be compared to create a virtual epidermal clone (Fig 3.1). With this technique I identify candidate regulators of specific parts of differentiation as well as differentiation more globally.

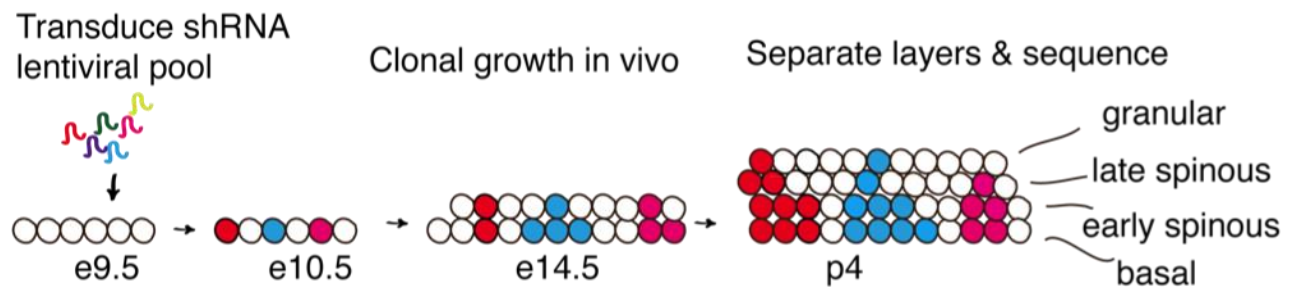


Figure 3.1 Schematic of shRNA screen design.

A pool of shRNAs targeting ~1000 genes is transduced by *in utero* lentiviral injection at E9.5. Transduction events are rare enough such that each transduced cell will develop into a clone of epidermis by shortly before birth. Using deep sequencing the size and shape of the clone can be inferred. The pink clone is reduced in differentiated cells while the blue clone has increased progenitor cells.

Results

Utilizing clonal in utero shRNA transduction

Previous studies in the Fuchs' lab confirm that RNAi technology applied during development to the amniotic fluid of the developing embryo *in utero* transduces the embryonic skin and can be tracked through birth and beyond (Beronja et al 2011). This work demonstrates that single transduced early embryonic cells grow to form a clone within the fully formed epidermis of a predictable size given known proliferation rates in the epidermis. While cells expressing differentiated markers were observed in these clones how differentiation proceeds within these regions was not known.

To investigate whether this technique could be used in combination with a quantitative analysis of differentiation, control scramble shRNAs were transduced into the epidermis simultaneously at a low multiplicity of infection allowing predominantly single infection events per cell. By mixing lentivirus containing a non-targeting scramble shRNA expressing RFP with lentivirus containing a non-targeting scramble shRNA expressing YFP and infecting the mouse epidermis, I can track how normal differentiation progresses (see methods for details). After birth, at postnatal day 4, dissociated epidermis was harvested and analyzed with respect to differentiation using flow cytometry. At low infection rates equal percentages of keratin 5 and keratin 10 cells can be seen in both RFP and YFP positive populations (Fig 3.2 a,b).

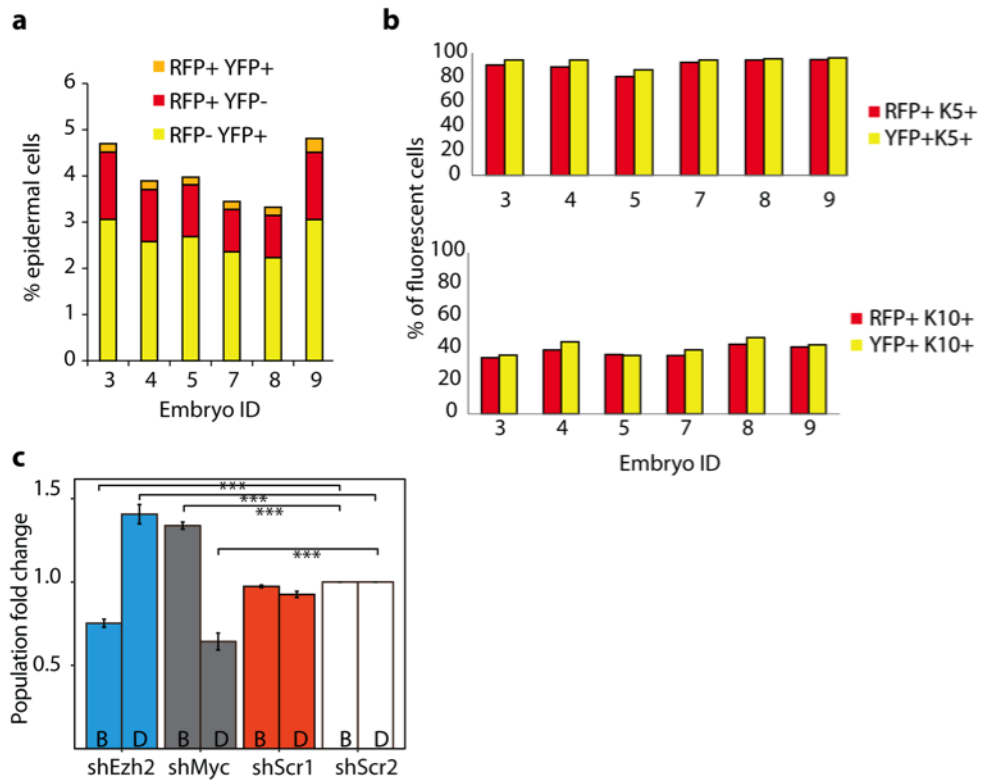


Figure 3.2 Charting differentiation with lentiviral transduction.

a: Total infections rates at E18.5 in the epidermis of embryos transduced at a low MOI with mixed shScr H2B-RFP/ shScr H2B-YFP lentiviruses. Each bar represents a unique embryo in the litter. Note low infection rate with very few co-transduction events **b:** % of RFP or YFP+ cells expressing basal keratin 5 or suprabasal keratin 10. Note equal percentages of undifferentiated and differentiated cells in RFP+ and YFP+ populations.

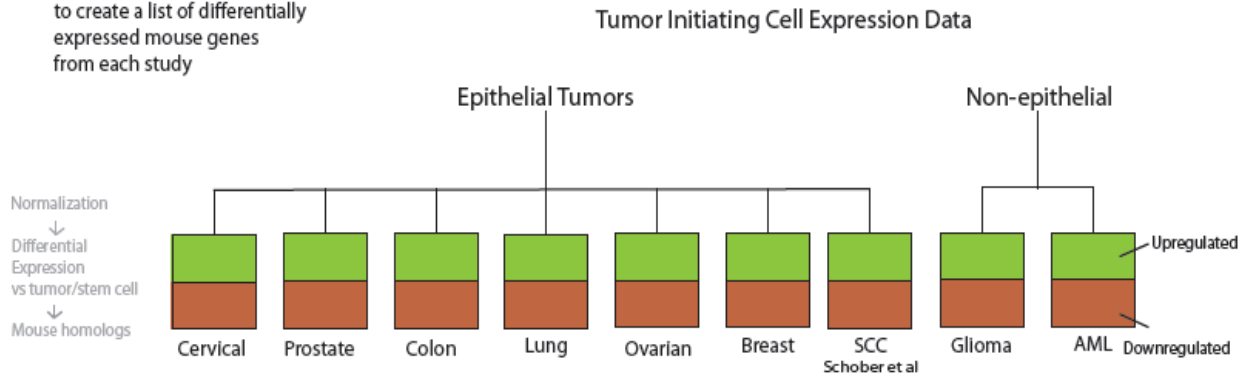
To assess how well this method tracks changes in differentiation, I used an shRNA targeting cMyc. I expected loss of cMyc to predictably alter differentiation and the assay showed an increase in basal progenitors in agreement with the role of cMyc in epidermis. Control shRNAs partitioned into both undifferentiated and differentiated cell layers at rates proportional to original transduction rates (Fig 3.2c). shRNAs targeting another known differentiation regulator *Ezh2* were then applied to the embryonic skin at E9.5. Epidermis was harvested just before birth at E 18.5, dissociated and analyzed. Relative to control shRNAs reducing *Ezh2*, a key member of the repressive PRC2 complex caused enhanced proportions of differentiated cells. This result recapitulated the *Ezh2* loss of function phenotype in the embryonic epidermis (Ezhkova et al 2009). Using differentiation analysis in combination with lentiviral shRNA transduction, I can discriminate between an shRNA that specifically restrict differentiation creating a clone with a disproportionately large basal layer or an shRNA that enhances differentiation creating a clone with a disproportionately large suprabasal layer.

Identification of target genes

To explore how the gene expression changes that are known to be associated with malignant SCC affect the differentiation program, I defined a group of genes potentially involved in both processes. While changes in differentiation are commonly associated with malignancy, a specific understanding of how the transcriptional changes in SCC affect the differentiation program is unknown. Taking advantage of the commonalities between epithelial organs, I compiled publically available microarrays from tumor initiating cells from malignant tumors of ovary, lung, cervix, prostate, color, and breast. Common genes from this group that were differentially expressed in skin squamous cell carcinoma tumor initiating cells were included in the target pool (Bajaj et al 2011, Gentles et al 2010, Harris et al 2010, Herschkowitz et al 2011,

Leung et al 2010, Lin et al 2011, Merlos-Suarez et al 2011, Prat et al 2010). (Tumor Initiating Cell Expression Data Schematic) Finally, genes defined by transcriptional profiling of epidermal differentiation were added to the target pool for a total of ~ 3200 shRNAs targeting ~1000 genes. See appendix for full list of genes and shRNAs screened.

1. Raw mRNA expression data from 8 TIC studies was analyzed to create a list of differentially expressed mouse genes from each study



2. All possible overlaps between TIC expression lists were extracted from the data sets

Upregulated and Downregulated genes were analyzed separately

3. A number of genes were present in multiple TIC expression sets

4. Genes present in 3 or more TIC expression sets (including Schober et al) were combined with top 200 from Schober et al to create targeted list of genes to screen

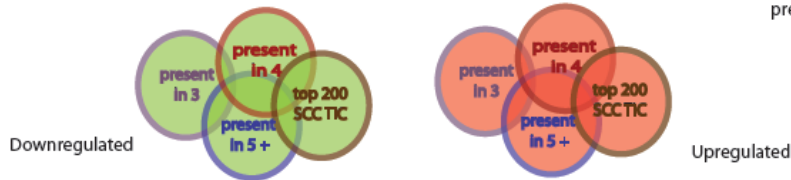
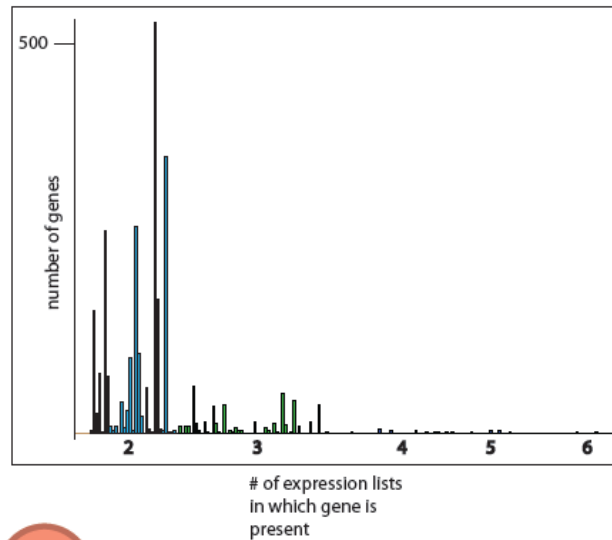


Figure 3.3 Schematic of screen gene selection

Screen design

The screen library was introduced into both a control (TGF β RII fl/fl) and an SCC primed (TGF β RII fl/fl K14 Cre+) background. Mice lacking TGF β receptor II develop normally through the embryonic period and show an increased propensity to form SCCs (Gausch et al 2007). Changes in differentiation and proliferation can be specifically identified on the tumorigenic genetic background by comparing screen behavior in these two mouse lines. Analysis of the screen performance in the control line will identify genes globally required for differentiation.

This screen relies on the ability of a single transduced cell to be depleted of a single transcript. To ensure that the majority of transductions will be single transduction events, titered lentivirus was transduced at multiplicity of infection < 1 . The pooled virus including 2-5 shRNAs targeting each gene of interest was transduced at embryonic day 9.5 and the epidermis was harvested at postnatal day 4. The skin was fractionated utilizing the assay developed for differentiation in combination with FACS. After PCR amplification and library preparation each population was deep sequenced to quantify shRNA abundance.

Screen performance

Multiple outcomes essential for epidermal development were analyzed in this screen. Proliferation during development can be estimated by comparing the starting shRNA population to the basal population at p4. Differentiation can be assessed by comparing ratios of shRNA numbers in each differentiation population to control.

In all populations, individual shRNAs showed enrichment and depletion relative to control shScr and non-targeting shRNAs (Fig 3.4). I aggregated the performances of all shRNAs targeting a single gene because of the potential for off target effects and the variability in shRNA target depletion. The majority of genes show only single shRNAs causing abundance changes of > 2 fold in a particular population. For each layer, a group of genes have multiple shRNAs causing consistent large increase or decreases in differentiation (Figure 3.5c). These genes were designated screen “hits”. Included among these genes are known regulators of differentiation (highlighted in red in the table) confirming the ability of the screen to detect these changes. A number of genes affected multiple epidermal populations but many genes also specifically restricted or enhanced a particular population (Fig 3.5b). Many genes important for differentiation showed specific effects on only the basal layer while other genes seemed to only restrict the final steps of terminal differentiation.

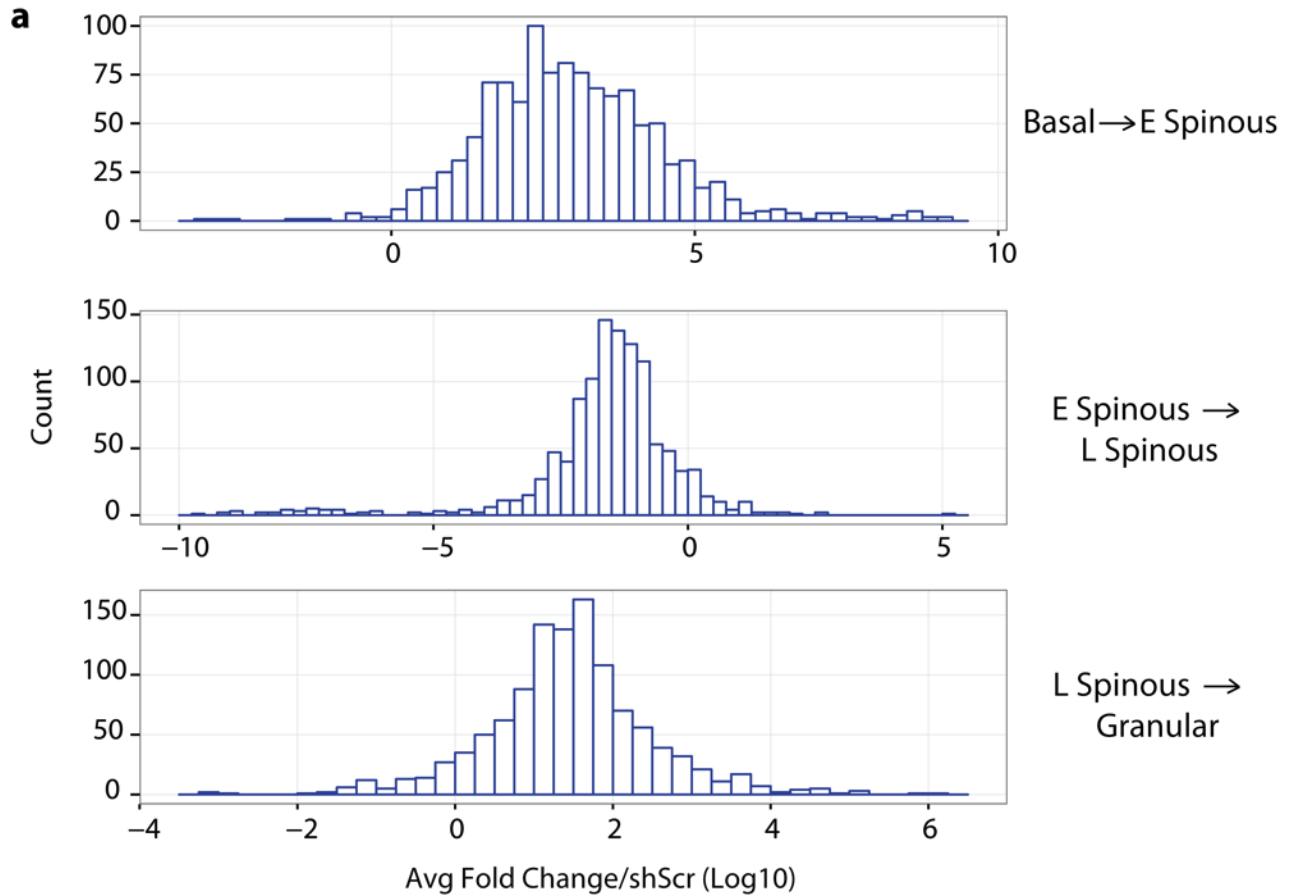


Figure 3.4 Screen results.

a: Count of shRNAs showing changes in abundance relative to sScr for each epidermal transition. Each differentiating transition has shRNAs inducing or restricting differentiation

Comparing the performance in TGF β signaling competent and incompetent embryos in this screen identifies distinct groups of genes (Fig 3.65). Those whose effects are unique to the TGF β null screen are potential therapeutic targets for malignancies driven by loss of TGF β . These groups of genes are present in regard to both proliferation and differentiation. To validate overall screen performance, selected candidates were individually interrogated for *in vivo* developmental defects by creating rapid epidermal knockdown animals as previously described (Fig 3.67).

The epidermis of single gene knockdown animals showed alterations in differentiation and reduction of target mRNA *in vitro* (Fig3.7). The results from our screen suggest our strategy to quantitatively assess differentiation allows for sensitive detection of alterations in normal tissue development.

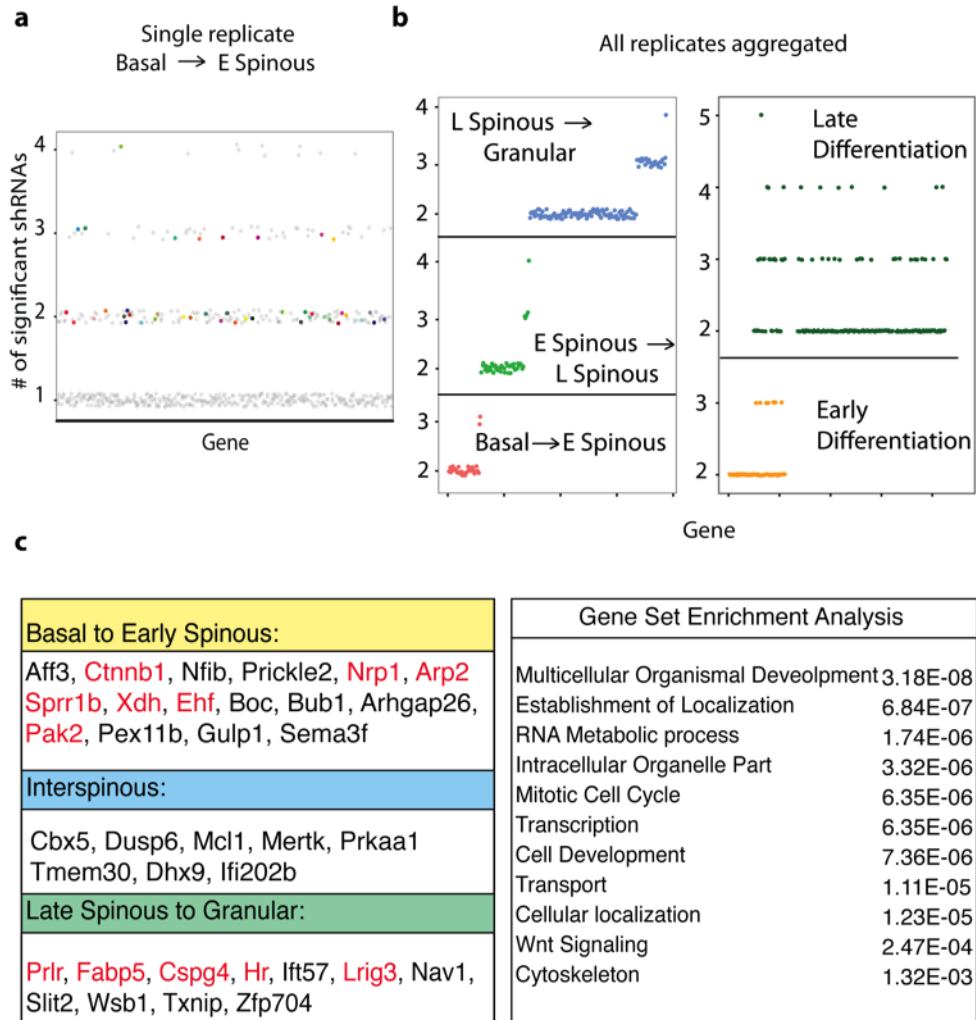


Figure 3.5 shRNA Screen reveals step specific and global differentiation regulators.

a: Each dot represents a single gene along the x-axis. Along the y-axis the number of shRNAs targeting that gene showing significant (> 2 fold, consistent hairpin performance). Genes highlighted in colors are top screen hits. This plots shows results from a single screen replicate for the transition from basal cells to early spinous cells. **b:** Screen results for all replicates shown with each dot representing a single gene and the number of significant shRNAs targeting that gene along the y-axis. In the left panel the panels are stacked in the order of the epidermis. The right panel shows genes affecting multiple differentiating transitions simultaneously altering early or late differentiation. **c:** Table of screen hit genes with genes previously associated with epidermal differentiation in red. Enriched pathways among screen hits are listed in the table.

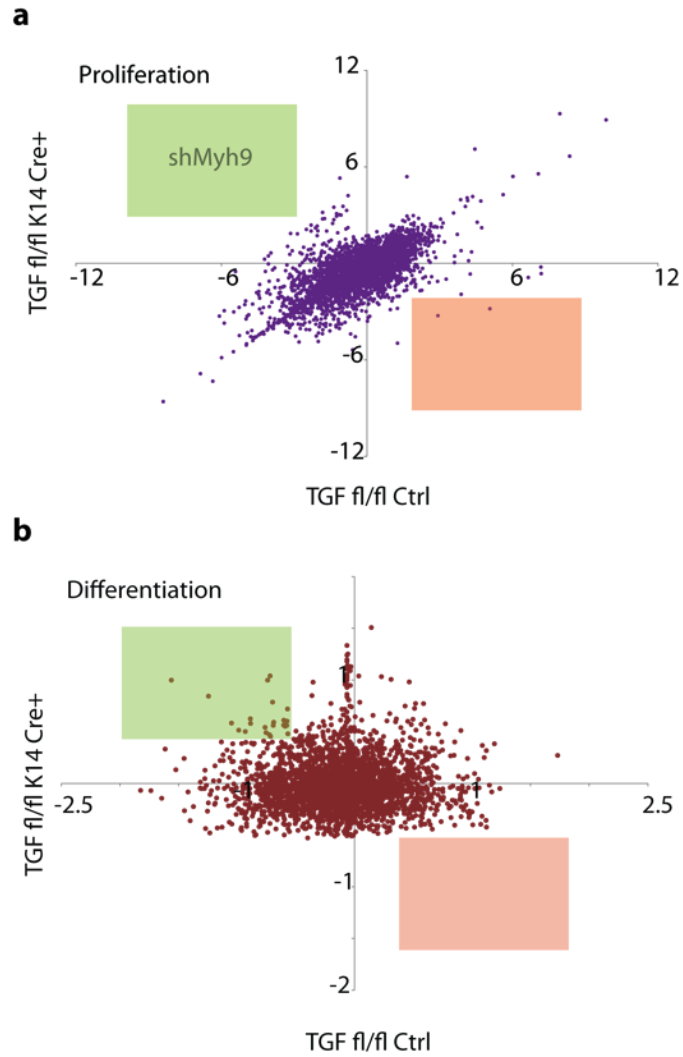


Figure 3.6 Screen results in control and TGF β null backgrounds.

a: Proliferation is measured as the abundance of each shRNA directly after transduction as compared with shRNA abundance in the basal population at postnatal day 4. Each dot represents a single shRNA. Green rectangle highlights quadrant associated with genes whose loss causes a growth advantage selectively in tumor prone contexts. Red rectangle highlights genes whose loss causes a growth advantage only in the control context. **b:** Differentiation is measured as total reads from differentiated layers compared to reads from the basal population. Green and red rectangles highlight genes with potential selective effects on tumor prone or control genetic backgrounds.

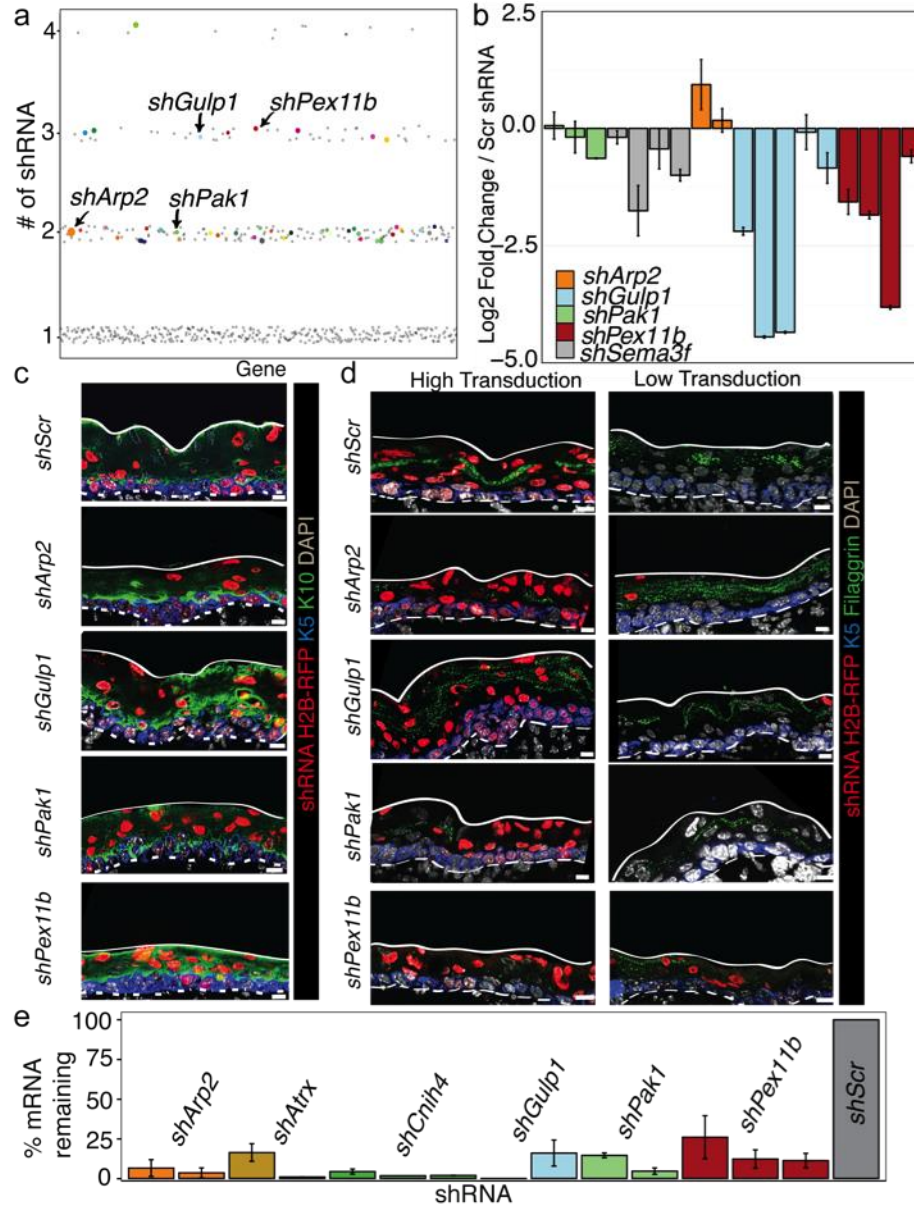


Figure 3.7 Validation of screen results with single gene knock down

a: Dot plot of each gene in the screen as a single dot along x-axis and the number of shRNAs/gene showing a >2 Log_2 change along y-axis. Location of validation genes is indicated by arrows. Results for a single screen replicate. **b:** Proliferation after loss of candidate genes measured by comparing total epidermal reads to read counts just after transduction. **c:** E16.5 sagittal sections of epidermis transduced with shRNAs targeting screen validation genes and probed for expression of keratin proteins and differentiation marker, filaggrin. After clonal transduction regions of high and low transduction within mosaic skin were analyzed. **e,** Semi-quantitative RT-qPCR quantification of knockdown efficiency of validation shRNAs *in vitro*. All genes show $> 75\%$ reduction in target mRNA expression. Scale bar = $10\mu\text{m}$. Dashed white line marks basement membrane and solid white line marks skin surface.

Discussion

In this study, I used a high-throughput approach to assess how, if at all, many genes affect epidermal differentiation. From E14.5 to birth, the epidermis stratifies and differentiates. To screen for shRNAs that affect this process, we enzymatically dissociated P4 epidermis under conditions that enrich for basal and early differentiating progeny. Suspensions were then FACS-sorted as above and subjected genomic DNAs to Illumina high-throughput sequencing to determine the frequency of each shRNA in basal versus early differentiating progeny relative to control scrambled shRNAs. We then analyzed the screen, selecting hits based upon whether multiple shRNAs consistently caused $>2 \log_2$ fold absolute magnitude deviation relative to shScr controls.

Screen hits were categorized based on what part of differentiation was affected after loss of the target gene. Given the fact that each differentiated layer is derived from its adjacent layer I hypothesized that an effect on an early differentiation step would propagate through the epidermis and disrupt all subsequent layers. While loss of some genes caused global disruption of epidermal development, this was not true for all screen hits identified. Surprisingly, screen analysis showed a number of genes where knock down altered only a single transition. These stage specific regulators were quite abundant with the majority affecting only terminal differentiation. One possible explanation for this is tolerance of the epidermis of insults to the final stages of the terminal differentiation program. While these alterations can be seen by the sensitive and quantitative methods used in this screen they may not be associated with dramatic

epidermal defects. To test this hypothesis in future studies, single gene knock down epidermis could be generated for genes implicated in a specific epidermal transition.

CHAPTER FOUR: Coupling organelle inheritance and epidermal growth

Introduction

Our screen identified *Pex11b* as a candidate regulator of epidermal differentiation. Ectopic expression of *Pex11b* induces peroxisome proliferation and increases peroxisome number. Mice deficient in *Pex11b* show only minor changes in lipid metabolism despite exhibiting many aspects of the typical PD phenotype raising questions about the mechanism of disease pathology (Li et al 2002). PEX11b is a highly conserved peroxisome-associated protein residing in the peroxisomal membrane and implicated in peroxisome replication (Orth et al 2007, Li and Gould 2002). Although not well-studied in epidermis, peroxisomes house the metabolic enzymes for H₂O₂ processing, fatty acid oxidation, ether lipid synthesis, and other tissue-specific metabolic functions (Smith and Atchison). Although PEX11b loss results in only minor changes in lipid metabolism in yeast and in mammalian cells (Li et al 2002), PEX11b mutations can generate a peroxisomal disease phenotype (Thom and Gartner 2012). Thus, while required for tissue function, PEX11b's function in peroxisome biology likely resides outside the realm of metabolism.

Of these, PEX11b was particularly intriguing. Three independent hit-shRNAs depleted *Pex11b* mRNA and protein. Moreover, the *in vivo* knockdown yielded pups with a similar phenotype, namely a compromised skin barrier that failed to exclude blue-dye (Fig. 4.1a; Fig. 4.2, a and b).

Histological analysis of E16.5 skin revealed epidermal thinning ($22 \pm 4\mu\text{m}$, *shPex11b-1*; $17 \pm 4 \mu\text{m}$, *shPex11b-2*; $44 \pm 8 \mu\text{m}$, *shScrambled*) (Fig. 4.1b). *shPex11b* epidermis displayed activation of stress-induced marker keratin-6 and reduced terminal differentiation markers,

including cornified envelope protein involucrin (Inv) and keratohyalin marker filaggrin (Flg) (Fig. 4.3c). Perturbations within the basal epidermal layer included a decrease in K5+ progenitors and an increase in K5/K10+ early differentiating progeny, which were also proliferative (Fig. 4.3d). These defects were attributable directly to PEX11b-deficiency, as normal morphology and gene expression was restored by introducing a hairpin-refractory *Pex11b*-cDNA into *shPex11b* epidermal progenitors *in utero* (Fig. 4.3e).

PEX11b resides in the outer membrane of the peroxisome (. It is a highly conserved peroxisome-associated protein implicated in peroxisome replication. Although not well-studied in epidermis, peroxisomes house the metabolic enzymes for H₂O₂ processing, fatty acid oxidation, ether lipid synthesis, and other tissue-specific metabolic functions. Although loss of PEX11b results in only minor changes in lipid metabolism in yeast and mammalian cells, mutations in PEX11b can generate a peroxisomal disease phenotype in both mice and humans. Thus, while required for tissue function, PEX11b's function in peroxisome biology likely resides outside the realm of metabolism.

A role for PEX11b outside peroxisome metabolism

To understand how PEX11b knockdown skews the balance between epidermal growth and differentiation, I placed its behavior in the context of two other peroxisome-associated proteins: PEX5, required for importing proteins into the peroxisome and PEX19, which chaperones requisite proteins to the peroxisomal membrane (Fig. 4.3a). Lentiviral-mediated RNAi knockdown of each of these PEX proteins resulted in a reduction in peroxisome numbers in the developing epidermis (Fig. 4.1b; Fig. 4.2c). The vital role of PEX19 in peroxisome assembly and function was reflected in not only its more severe effect on peroxisome numbers, but also its crippling effect on oxidase activity (contained within peroxisomes and mitochondria).

By contrast, PEX11b-deficient epidermal progenitors still retained appreciable oxidase activity, as well as protein levels of very long chain fatty acid (VLCFA) metabolism enzyme ACOX1 and the oxidase CAT (catalase) (Fig. 4.3, c and d). Additionally, *shPex11b* epidermal cells displayed fewer peroxisomes both *in vivo* and *in vitro*, with reduced organelle size (Fig. 4.2, d to f).

Given the more potent effects of PEX19-depletion on peroxisome number and function it was notable that this depletion did not cause the epidermal defects typifying PEX11b-depletion (Fig. 4.3, e and f; Fig. 4.2, g and h). Moreover, as judged by immunoblot analyses, PEX19-depletion did not markedly affect PEX11B protein levels (fig. 4.2i). However, in agreement with its known singular role in peroxisome biology, a GFP-PEX11b fusion protein co-localized with peroxisomes (Fig. 4.3g). Additionally, embryos transduced with *shPex11b* and shRNA-resistant *Pex11b*-cDNA exhibited moderate to complete rescue not only of differentiation defects, but also of peroxisome number deficits (Fig. 4.3h; Fig. 4.2j). Based upon these data, the imbalance in epidermal growth and differentiation caused by PEX11b-depletion was likely rooted in some non-metabolic aberration of peroxisomes.

A mitotic role for PEX11b

In all cells, peroxisomes reside and traffic on the cytoskeleton. In lower organisms, peroxisomes connect exclusively to the actin network, while in vertebrates, a primarily microtubule association has been described (Schrader et al 1996). Probing deeper into mechanism, I examined how peroxisomes are organized and localized within epidermal progenitors and their daughters, and whether peroxisomal organization might be altered in the absence of PEX11b. Exploiting the ability to culture primary keratinocytes (1⁰MK) from mouse skin epidermis, we monitored peroxisomal distribution throughout the cell cycle *in vitro*.

Wild-type interphase 1⁰MKs distributed their peroxisomes along the microtubule network, with peroxisome density correlating with microtubule density throughout the cytoplasm of G1 cells (Fig. 4.4a). Even though the number of peroxisomes was reduced by *Pex11b* knockdown, this did not eliminate their association with interphase microtubules. Confirming a PEX11b-independent peroxisomal-microtubule connection during interphase, treatment with the microtubule poison nocodazole resulted in a clear perturbation of the peroxisome network in 1⁰MK transduced with either *Scr* or *Pex11b* shRNAs.

During early mitosis in wild-type keratinocytes, peroxisomes maintained an association with the microtubule network, but they typically clustered around the spindle poles (Fig. 4.4b). During telophase, peroxisomes reorganized, surrounding the nuclei of each daughter cell and forming sharp arcs away from the midbody (Fig. 4.4c). This stereotyped localization of mitotic peroxisomes was consistent with the microtubule dependency of organelle segregation during mitosis, and resembled that described for transformed cell lines and yeast.

In striking contrast, peroxisomes in PEX11b-deficient keratinocytes failed to associate with the spindle poles in early mitotic cells (Fig. 4.4b). Additionally, during later stages of mitosis, peroxisomes failed to organize and segregate equivalently in daughter cells (Fig. 4.4c and d). This was in contrast with other organelles, including mitochondria and Golgi, which segregated evenly in *shPex11b* 1⁰MKs (Fig. 4.5). Finally, since no obvious aberrations were seen in the actin or microtubule cytoskeletons, my data suggested that PEX11b-deficiency resulted in a selective perturbation in peroxisomal organization specifically during the mitotic phase of the cell cycle.

PEX11b and spindle alignment

To further examine these positional changes, I depleted the peroxisome associated protein PEX14, which has been reported to mediate attachment between peroxisomes and microtubules. In interphase, the peroxisomes of *shPex14* keratinocytes clustered unevenly throughout the cell. Importantly, similar to what we observed upon *Pex11b* knockdown and in contrast to what was observed in *shScr*, *shPex5* or *shPex19* keratinocytes, peroxisomes in mitotic *shPex14* cells failed to associate with the spindle poles during early mitosis and instead adopted a more cortical position (Fig. 4.4, e and f). Moreover, this mis-localization resulted in deviations in spindle alignment, providing compelling evidence for a mitotic requirement for peroxisome association to microtubules in general, and to spindle poles specifically (Fig. 4.4g).

Spindle orientation plays a critical role in establishing epidermal tissue architecture and homeostasis, both in postnatal epidermis and in embryogenesis. Given the imbalance in epidermal differentiation and proliferation in the PEX11b-deficient skin, I examined the epidermis for changes in the quantity of cell divisions where daughter cells take on different fates. In contrast to the perpendicular or oblique division angles seen in ~50% of wild-type E16.5 epidermal progenitors, most (Survivin-marked) late-anaphase spindles in *shPex11b* epidermis were parallel relative to the underlying basement membrane (Fig. 4.6a). The skew towards parallel divisions was visually evident through Image Stream capture of late telogen-phase cell doublets, whose daughters were both marked by integrins (Fig. 4.6b). Since perpendicular cell divisions expand the stratified layers at this stage of development, their notable absence explained the reduction in the thickness of *shPex11b*-transduced epidermis.

The alteration in spindle orientation was accompanied by perturbations in the NuMA-mediated perpendicular asymmetric cell divisions (ACDs) that occur at this time. Normally during mitosis, the microtubule binding protein NuMA localizes both to the spindle poles and also to the apical portion of the cell (Kempf et al 1994, Lechler and Fuchs 2005). At the cell apex, NuMA interacts with the cortical crescent of LGN, an epidermal protein necessary to link the Par3/aPKC polarity complex with astral microtubules to achieve proper spindle orientation (Zhu et al 2011, Williams et al 2014). In *shPex11b* knockdown epidermis, however, NuMA was dramatically reduced at cortical crescents with a concomitant rise in diffusely distributed NuMA (Fig. 4.6c). Immunoblot analyses showed that overall NuMA levels were largely unaffected, indicating a defect in organization rather than expression (Fig. 4.7b). When an angle was drawn between the center of the cortical LGN crescent and the spindle axis, E16.5 *shPex11b* basal cells exhibited a larger angle than control cells, indicative of spindle-crescent uncoupling and deviation from a perpendicular cell division (Fig. 4.7c). This was further corroborated by immunofluorescence, showing that even when cortical, NuMA often failed to overlap with LGN in PEX11b-depleted cells (Fig. 4.7d). These findings were interesting, since in *shNuma* knockdown epidermis, severe perturbations in spindle orientation, ACDs and differentiation arise.

PEX11b-deficiency and uncontrolled spindle rotations

To further explore the perturbations observed during mitosis upon *Pex11b* knockdown, I turned to live imaging. I transduced *shPex11b* 1^0 MKs with mCherry-tubulin to label spindles, and *pKrt14*-H2BGFP to label chromosomes. Time-lapse imaging revealed that compared to control cells, which spent an average of 69 ± 24 minutes in mitosis, *shPex11b* keratinocytes spent 118 ± 47 minutes in mitosis (Fig.4.8, a and b). *shPex11b* cells had an increase in mitotic

abnormalities including mitotic delays accompanied by rotating spindles and enlarged metaphase plates (Fig. 4.8, a to c).

Turning to the consequences of defective peroxisomal localization and the associated changes in mitosis, we found that keratinocyte growth was diminished *in vitro* and G2/M-phase cells were increased by E16.5 *in vivo* (Fig. 4.8d; Fig. 4.8e). *shPex11b* keratinocytes also held more cells in G2/M after a double thymidine block and release (Fig. 4.7, f and g). Further exploring the presence of a mitotic delay, cells were monitored for recovery after exposure to the microtubule inhibitor nocodazole. After removal of nocodazole control cells rapidly exited mitosis, while *shPex11b* keratinocytes maintained high levels of the mitotic marker serine10-phosphorylated histone-H3 [P-H3(S10)] for 2-3 hours longer (Fig. 4.8e). Despite a 1.75-fold increase in keratinocytes with >4N DNA content *in vivo*, most *shPex11b* cells progressed through mitosis (Fig. 4.7h). Apoptosis following mitosis was also minimal, as judged by the few Caspase-3⁺ cells within E16.5 *shPex11b* epidermis (0.14% vs 0.08%, p value = 0.54) (Fig. 4.7i). By contrast, PEX5 and PEX19 depletion caused enhanced apoptosis without alterations in S or G2/M populations (Fig. 4.7j). Thus, the imbalance in growth and differentiation caused by PEX11b-depletion likely arose from a mitotic delay rather than cell death.

Linking PEX11b, peroxisomes, spindle rotations and epidermal growth: differentiation

The striking spindle rotations and NuMA mislocalization seen in PEX11b-deficient keratinocytes were particularly intriguing in light of recent studies showing that when NuMA fails to be phosphorylated by the mitotic kinase Aurora-A, spindles also rotate excessively (Gallini et al 2016). Although the details of this tantalizing connection are beyond the scope of the present study, the shared location of peroxisomes and NuMA at spindle poles in wild-type

cells coupled with the aberrant presence of peroxisomes and NuMA loss at the cortex suggest a potential mechanism. Additionally, the *shPex11b*-induced cell cycle delay was notable given that cell cycle progression has been observed to stall upon the inability to fragment Golgi or to segregate mitochondria during mitosis (Corda et al 2012. Persico et al 2010). Taken together, these findings raise the intriguing prospect that there might be a mitotic checkpoint for organelle localization as well as segregation, and that peroxisome mis-localization is sufficient to trigger it.

To further test these hypotheses, I first showed that the mitotic delay could be triggered not only by PEX11b-depletion, but also by PEX14-depletion (Fig. 4.9a). Since this did not happen in *shPex5* or *shPex19* transduced cells (Fig. 4.7j), this strengthened the link between peroxisome mis-localization and mitotic delay. To further explore this link, I also employed an optogenetic system to move peroxisomes along the microtubules of living cells. I used a photosensitive protein-protein binding system to couple mRFP-labeled peroxisomes to various microtubule motor segments (Ballister et al 2015, van Bergeijk et al 2015). Upon exposure to blue light, these two proteins bound, and peroxisomes were forced to move along microtubules.

I first used a kinesin-3 motor segment to redirect peroxisomes to the plus-ends of microtubules, which in interphase keratinocytes, reside at the cell cortex. By 48 minutes, the majority of peroxisomes had redistributed in this manner (Fig. 4.9b). Investigation on a shorter time scale revealed that the reorganization was fast, happening within minutes after light activation (Fig. 4.9c). This made it possible to photoactivate at the start of mitosis, move peroxisomes along microtubules to new locations and then examine the consequences. Using the kinesin-3 motor segment, peroxisomes concentrated aberrantly at plus-end interpolar spindle microtubules at the mid-zone (Fig. 4.9d). Spindle-associated peroxisomes increased by >2X following light activation. After 1 hour, light-exposure resulted in an increase in metaphase and

decrease in telophase cells even though similar total numbers of mitoses were observed. Time-lapse imaging of individual light-exposed mitoses showed delayed mitotic progress upon ectopic peroxisome redistribution (Fig. 4.9d, Fig.4.10, a and b), similar to that seen upon PEX11b-depletion.

By contrast, when I used a similar construct but with the minus-end motor dynein peroxisomes still localized to microtubules, but now they concentrated at the minus-end microtubules of the spindle poles. While peroxisomes normally localize to spindle poles in early mitosis, in the photosensitized keratinocytes, peroxisome density at spindle poles was not only increased but also sustained through later phases in mitosis (Fig. 4.9e; Fig. 4.10c). Notably, mitotic progression appeared to proceed normally despite these alterations (Fig. 4.9e). These data argue that it is not merely concentration of peroxisomes on the spindle per se that interferes with mitotic progression but rather their mis-localization to the spindle mid-zone rather than the poles.

Summary and Discussion

In summary, my transcriptional profiling and RNAi screen led us into uncharted territory, exposing a hitherto unexpected role for organelle inheritance in controlling the balance between growth and differentiation. Additionally, we learned that peroxisome-associated PEX11b functions in governing peroxisome partitioning into epidermal daughter cells. Remarkably, when a single organelle type, in this case the peroxisome, was re-directed away from the spindle poles to either the cortex or spindle mid-zone, a checkpoint-like state was elicited, associated with mitotic delays.

This discovery comes on the heels of a quite different, but related *in vitro* observation that old mitochondria are segregated into the differentiating daughter of a mammary stem cell

division. Taken together, these findings underscore a hitherto unappreciated importance of organelle organization during mitosis and organelle inheritance in stem cell biology. This data suggest that progenitors not only know how to couple organelles to the mitotic machinery, but also to trigger a checkpoint when proper coupling fails. As this study reveals, for stem cell progenitors that divide asymmetrically and in a polarized fashion in order to establish tissue architecture, the consequences of inappropriate organelle localization during mitosis can be particularly dire. The perturbations likely arise in part from physical interference of misplaced organelles with the spindle orientation machinery, and in part from aberrations in organelle segregation and inheritance. For the epidermis, these perturbations associated with peroxisome mis-localization were accompanied by mixed messages to resulting basal daughters, displaying differentiation markers but still proliferating, features typically associated with cancer. My thesis research has now been published (Asare et al 2017).

Fig 4.1 A peroxisome-associated protein as an unexpected regulator of epidermal growth and differentiation.

a, Outside-in barrier assay shows disrupted epidermal differentiation after loss of PEX11b. Presence of blue dye indicates incomplete barrier formation. Assay was performed on *shPex11b* ($n=8$), control littermate or *shScr* ($n=10$) embryos at E18.5. **b**, Epidermal thinning of back skin of *shPex11b* embryos at E16.5. Quantifications from two independent shRNAs targeting Pex11b. **c**, Alterations of epidermal markers after depletion of PEX11b in E16.5 epidermis. Immunolabeling shows ectopic expression of keratin 6, and loss of involucrin in *shPex11b* skin. Keratin 5 and DAPI were used to mark progenitors and chromatin. **d**, Loss of PEX11b perturbs epidermal homeostasis. FACS quantification of differentiation status of *shPex11b* E16.5 epidermis. Student's *t*-test, ** = p-value < 0.01, * = p-value < 0.05. Quantification of EdU positive cells by FACS. Embryos were exposed to EdU for 1-3 hrs prior to harvest. Note increase of EdU-labeled K5⁺K10⁺ epidermal cells. Quantification of K10⁺ basal cells from epidermis immuno-labeled for keratin 5 and keratin 10. **e**, *shPex11b* associated defects are rescued by a Pex11b cDNA refractory to *shPex11b*. Representative images from E16.5 sagittal sections immuno-labeled for laminin 5, filaggrin and keratin 5 from *shScr*, *shPex11b* and *shPex11b+Rescue* embryos. Note rescue of epidermal thinning upon cDNA introduction. All scale bars = 10 μ M. Dashed white lines mark basement membrane and solid white line marks skin surface.

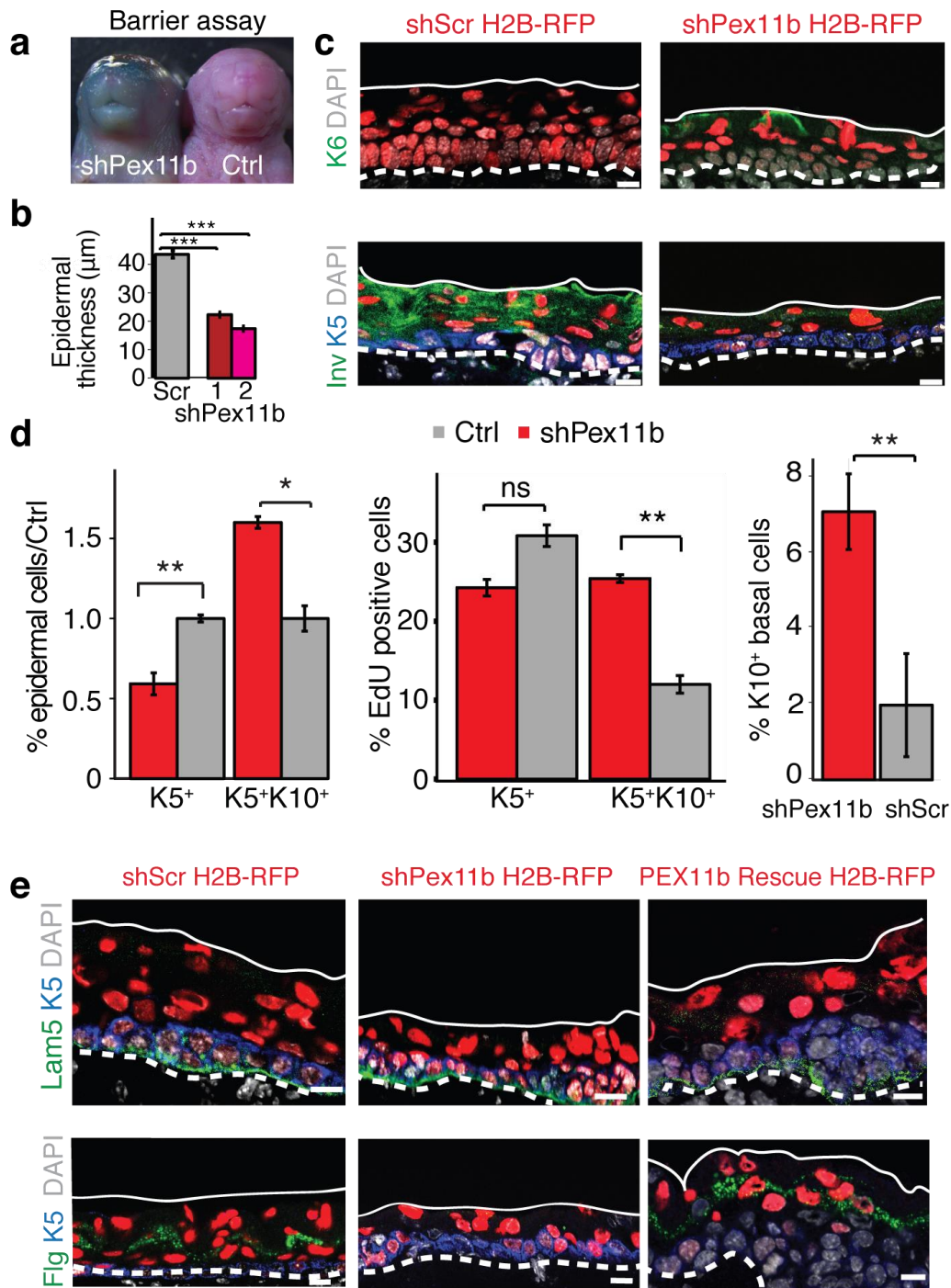


Fig 4.2 shPex11b, shPex19 and shPex5 analyses.

a, Semi-quantitative RT-qPCR quantification of knockdown efficiency of validation shRNAs in vitro. All genes show > 75% reduction in target mRNA expression. **b**, Immunoblot for PEX11b 4 days after knockdown in vitro with shRNAs shPex11b-1, shPex11b-2, shPex11b-3. **c**, Semi-quantitative RT-qPCR quantification of knockdown efficiency of validation shRNAs in vitro. **d.e.f**, Quantification of peroxisome number and size from E16.5 epidermis or keratinocytes. Numbers of peroxisomes marked with PMP70 per cell per 0.5uM z-section were counted. **g**, Representative images from embryos after outside-in barrier assay. If the skin barrier is incomplete, embryos will absorb blue dye. While this happens for shPex11b (see Fig. 4.1), it does not for shPex5 or shPex19. n=8 shPex19, n=6 shPex5, n=12 control littermates. **h**, Images from immuno-labeled E16.5 epidermis depleted for Pex5 or Pex19 and probed for granular differentiation marker filaggrin. Note proper expression patterns and normal epidermal thickness in skin of embryos depleted for these peroxins. **i**, Immunoblot for PEX19 and PEX11b in shPex19 keratinocytes showing appreciable retention of PEX11b protein despite marked reduction in peroxisomes resulting from PEX19 loss. **j**, Images from immuno-labeling for peroxisome marker PMP70 in skin sections of E16.5 embryos transduced with shPex11b ± a hairpin-resistant Pex11b cDNA expression vector.

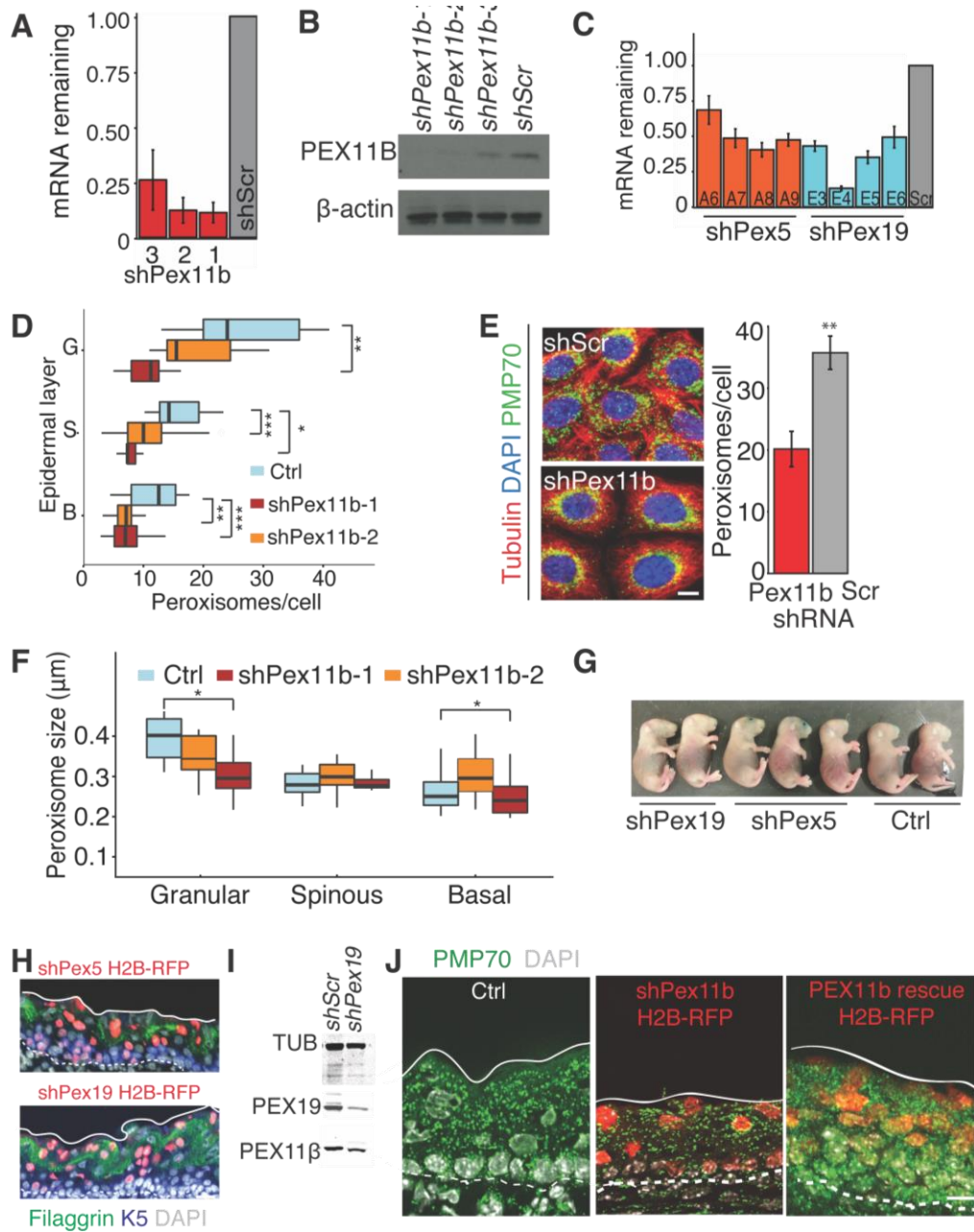


Fig. 4.3 PEX11b balances epidermal growth and differentiation by a mechanism independent of peroxisome function.

a, Scheme of peroxisome protein functions. PEX19 chaperones and imports certain peroxisome membrane proteins; PEX5 recognizes the peroxisomal type 1 targeting sequence for import of peroxisome proteins; PEX11b resides in the outer peroxisome membrane and is implicated in peroxisome replication. **b**, Loss of *Pex5*, *Pex19* and *Pex11b* reduces keratinocyte peroxisome numbers. Quantification from 1⁰MKs transduced with shRNAs. **c**, *ShPex11b* does not significantly change global oxidase activity levels, a measure of peroxisomal metabolic function **d**, Quantification of immunoblots for peroxisomal proteins shows that *shPex11b* does not cause significant reduction of peroxisomal matrix proteins ACOX1 and CATALASE nor peroxisomal membrane protein PEX19. **e**, Pex11b-dependent alterations in epidermal homeostasis. FACS quantification of differentiation status of peroxin depleted E16.5 epidermis. **f**, Images from E16.5 epidermis from peroxisomal knock-down embryos immuno-labeled for keratins 10 and 5. **g**, PEX11b localizes specifically to peroxisomes. 1⁰MK were transfected with a cDNA encoding a GFP-Pex11b fusion protein and immuno-labeled at interphase for PMP70 a marker of peroxisomes. **h**, Pex11b-dependent reductions in peroxisome number are rescued by PEX11b cDNA expression. Peroxisomes per cell per 0.5 μ m epidermal Z-section were counted for *shPex11b*, uninfected control and GFP-Pex11b-Rescue epidermal cells. Unpaired student's *t*-test *** = p value < .001, * = p value <0.05. Scale bars = 10 μ M.

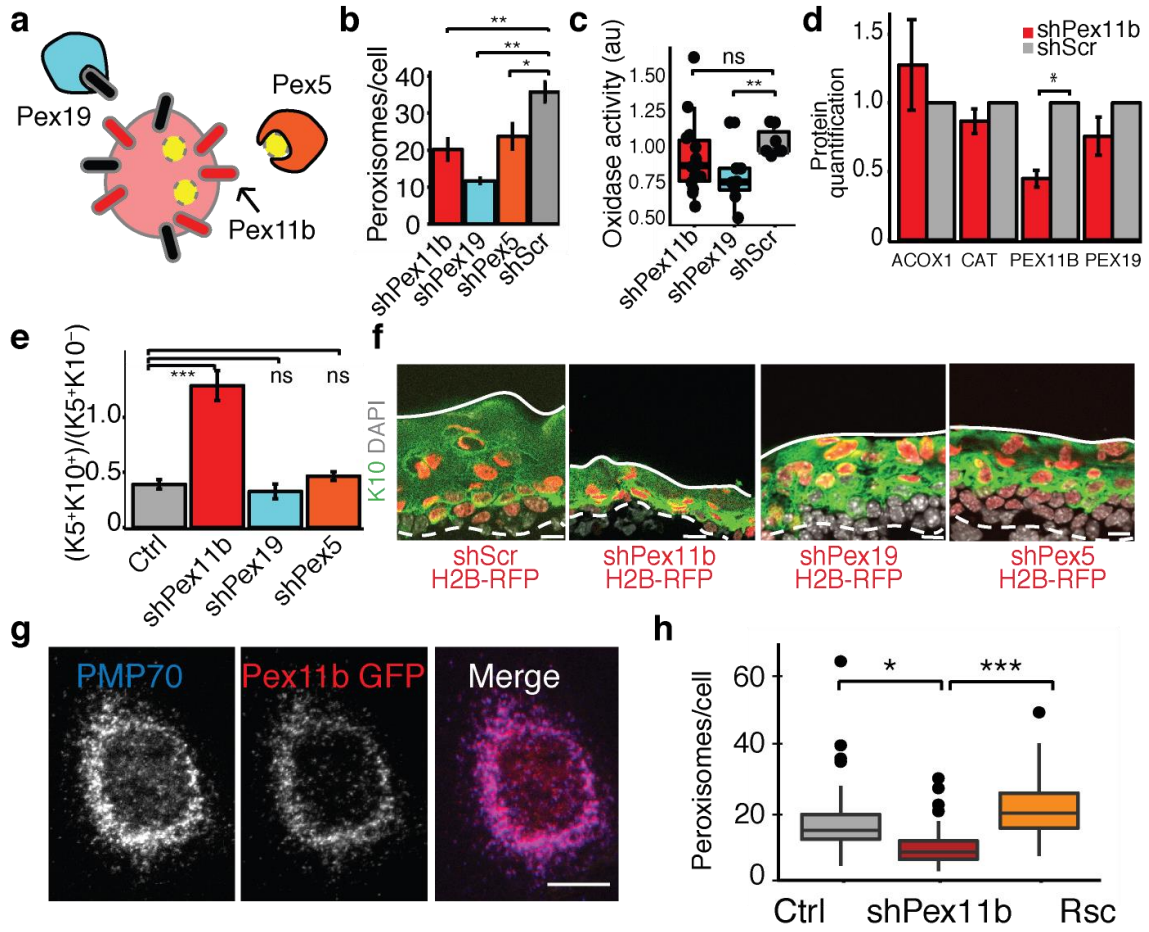
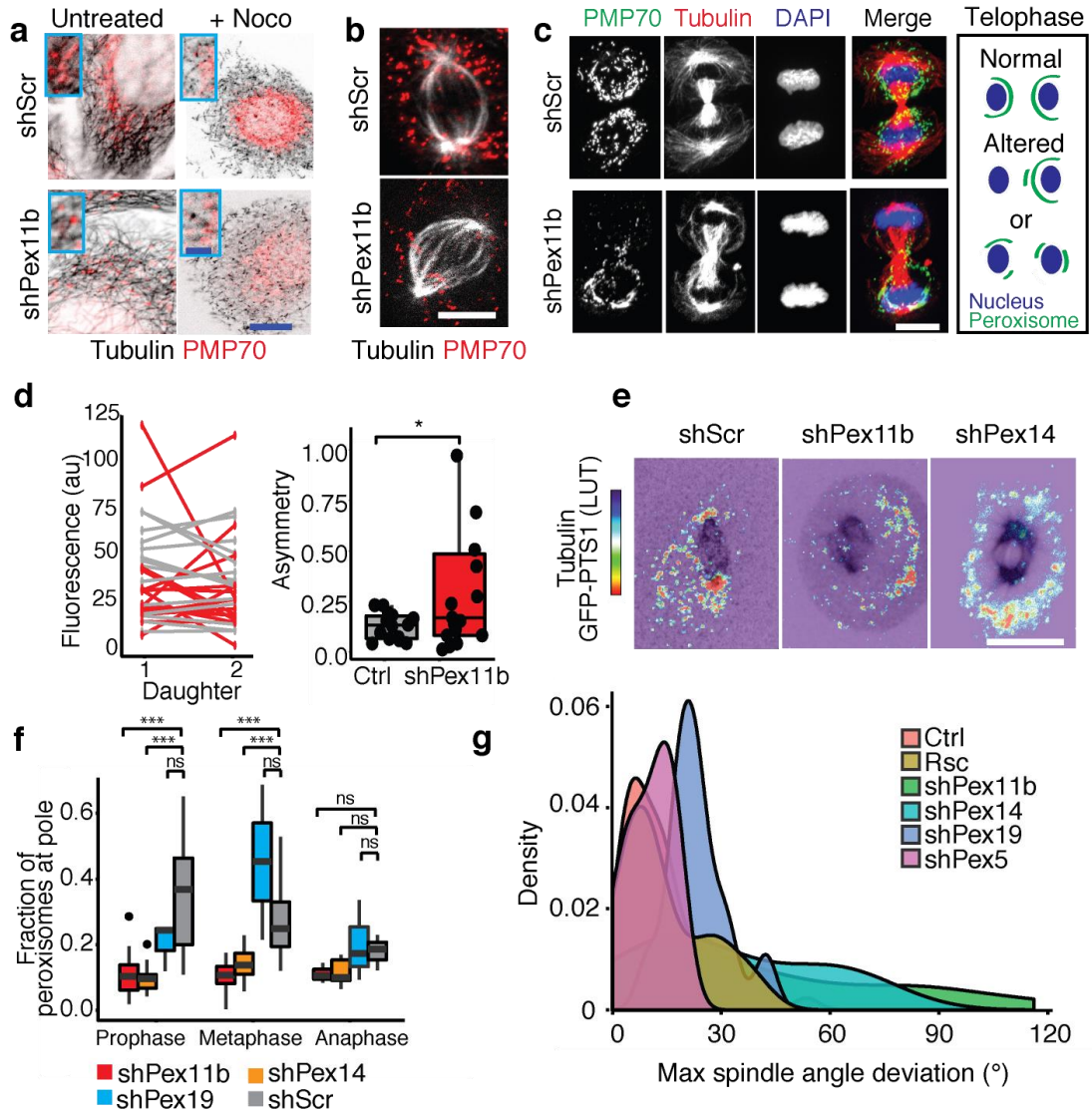


Fig. 4.4 Alterations in organelle organization, inheritance, and spindle orientation when peroxisomes cannot localize to spindle poles during mitosis.

a, Peroxisomes reside on microtubules. Interphase *shScr* and *shPex11b* keratinocytes immuno-labeled for tubulin and PMP70. Images shown are before and after nocodazole treatment to disrupt microtubules. Higher magnifications are shown in insets. Scale bar on inset = 2.5 μ M. **b**, Metaphase cells immuno-labeled for tubulin and PMP70 shows that the spindle pole localization of peroxisomes in *shScr* cells is lost in *shPex11b* cells. **c**, *shPex11b*-dependent peroxisome mis-localization and altered inheritance seen in representative images of late stage mitotic keratinocytes. Cells were immuno-labeled for peroxisomal marker PMP70; tubulin to mark spindles; DAPI to mark chromatin. Schematic depicts changes in peroxisome positions seen during telophase. Scale bar = 10 μ m. **d**, Asymmetric peroxisome partitioning after loss of PEX11b. Line plot of PMP70 fluorescence levels in telophase *shPex11b* (red) and *shScr* (grey) daughter cells. Note increased slope of *shPex11b* pairs indicating unequal amounts of peroxisomes partitioned into daughter cells. **e**, Spindle pole enrichment of peroxisomes during mitosis. In *shScr* cells, peroxisomes cluster at spindle poles. This localization is lost after depletion of *Pex11b* or *Pex14*. Still images from time-lapse movies of keratinocytes with fluorescent labeled tubulin and peroxisomal targeted GFP. Thermal LUT for GFP-PTS1 indicates intensity of fluorescence with red \rightarrow blue indicating high \rightarrow low. **f**, Quantification of fraction of total cellular peroxisomes localized at spindle pole regions during early mitosis. In *shScr* keratinocytes, 35% of all peroxisomes localize to spindle poles in prophase. This association decreases and is lost by anaphase. By contrast, *shPex14* and *shPex11b* keratinocytes fail to associate peroxisomes with spindle poles. **g**, Loss of *Pex11b* and *Pex14* results in larger spindle angle movements during mitosis, indicating a defect in the ability to align the spindle. Measurement of size of spindle angle deviations from starting position from time-lapse imaging of mitotic cells. Mathematically smoothed histogram (density plot) of spindle angles quantified from time-lapse imaging of *shPex11b* and *shScr* keratinocytes. Note that distribution of *shPex11b* spindle angles is broader and with a higher maximum than controls. Loss of *Pex14* results in large spindle angle movements. Student's *t*-test of significance between *shScr* and *shPex11b* shows p-value <0.001. *shPex11b* n = 18, *shScr* n = 34, *ShPex11b* + *Rsc* n = 17, *shPex5* n= 12, *shPex19* n = 10, *shPex14* n=11. Note that alterations arising from *shPex11b* are rescued by expression of an shRNA-resistant *Pex11b* cDNA. Note also that loss of *Pex5* and *Pex19* do not cause alterations in spindle behavior.



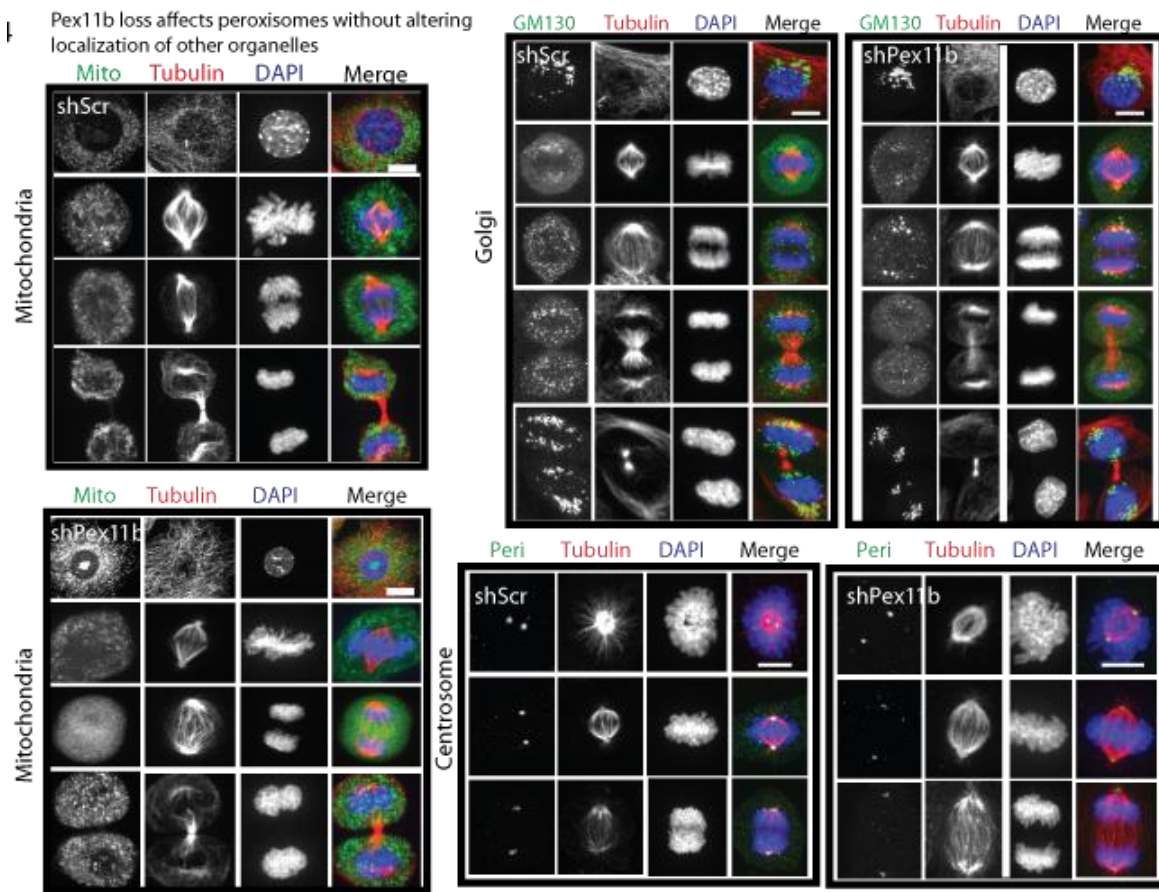


Figure 4.5 Proper localization and partitioning of golgi, centrosomes and mitochondria in *shPex11b* epidermal cells.

1^0 MKs probed for golgi marker GM130 and for pericentrin or treated with MitoTracker to mark mitochondria. Representative images of cells in interphase, metaphase, anaphase and telophase are shown. Note similar localization of these other organelles through mitosis for *shScr* and *shPex11b*. n=30-50 mitotic cells per organelle type.

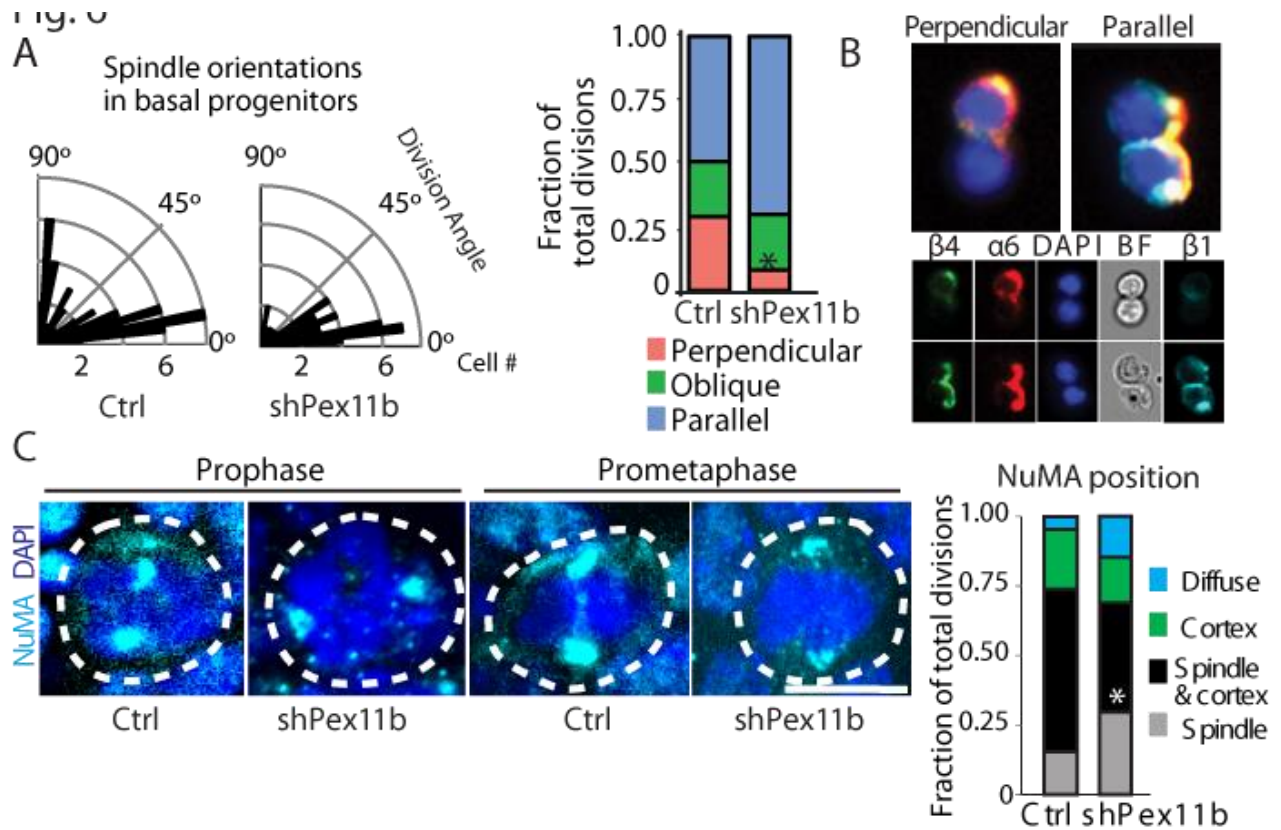
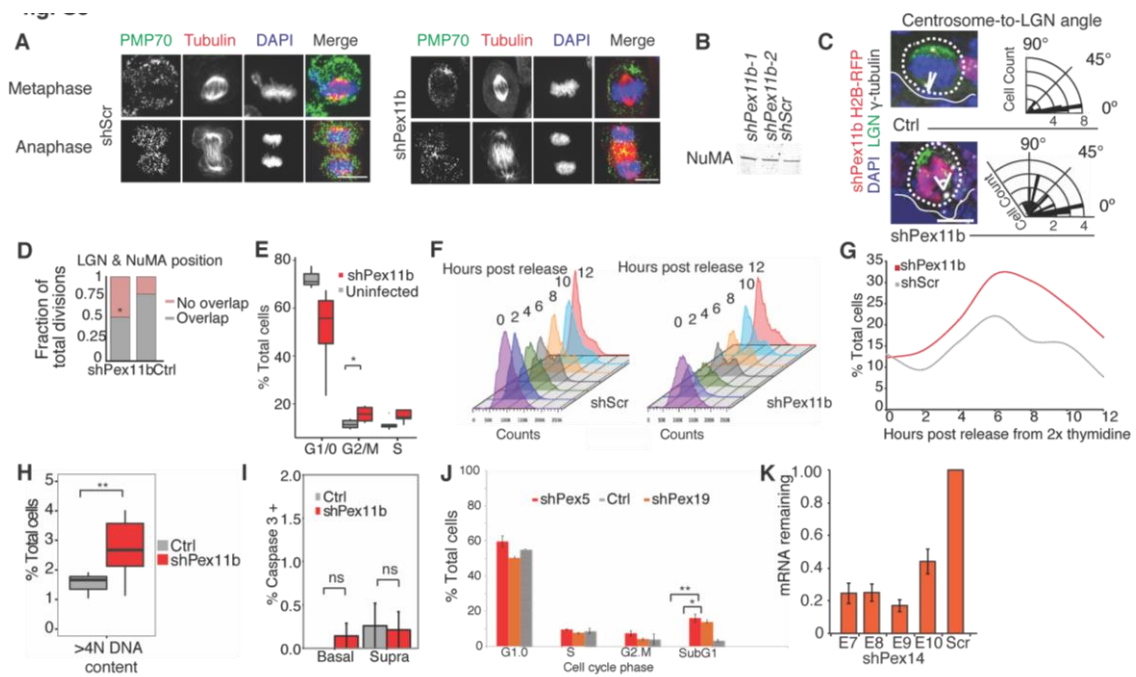


Figure 4.6 Failed peroxisome localization to spindle poles leads to failed association of NuMA with the asymmetric cell division machinery

a, Radial histograms of division angles of E16.5 basal epidermal progenitors relative to the basement membrane, showing that *shPex11b* results in a marked decrease in perpendicular divisions. Length of black bars represent number of mitosis showing particular division angle. Uninfected $n = 50$, *shPex11b* $n = 71$. Bar plot of division angle classifications for E16.5 epidermal division angles. Perpendicular divisions = $90^\circ \rightarrow 65^\circ$, oblique divisions = $30^\circ \rightarrow 65^\circ$, parallel divisions = $0^\circ \rightarrow 30^\circ$. Chi-square test, * = $p\text{-value} < 0.05$. **b**, Image Stream of late-stage mitotic cells distinguishes between perpendicular and parallel epidermal divisions. Image StreamX FACS of isolated keratinocytes from E17.5 epidermis, analyzed for $\alpha 6$ integrin, $\beta 4$ integrin, $\beta 1$ integrin and DAPI. **c**, Representative images of early mitotic basal progenitors (white dotted lines) from E17.5 sagittal skin sections. Immuno-labeling of mitotic cells is for NuMA (cyan), which is typically associated with spindle poles and also the apical LGN cortical crescent. DNA is shown in blue. Note the selective loss of apical cortical NuMA in the *shPex11b* cells. Barplot shows quantification of changes in NuMA position.

Fig 4.7: Mitotic alterations induced by PEX11b deficiency.

a, Peroxisome localizations in metaphase and anaphase cells. Note that peroxisomes take on unusual cortical positions in metaphase when PEX11b is lost. Representative mitotic cells probed for PMP70 (peroxisome marker), tubulin and DAPI are shown. **b**, Immunoblots for NuMA and tubulin (control) reveal equivalent NuMA levels in *shScr* and *shPex11b* keratinocytes. **c**, *shPex11b*-induced perturbations in spindle alignment in embryonic skin epidermis. Shown are representative images of mitotic basal progenitors (outlined by white dotted lines) from E17.5 sagittal sections. Immuno-labeling is for LGN, which is typically cortical and apical in asymmetrically dividing basal progenitors, and γ -tubulin, which marks the spindle poles that are typically perpendicular to the LGN crescent, through the ability of NuMA to bind to LGN and also astral microtubules. Note that LGN in the *shPex11b* cell is misaligned relative to the spindle axis, consistent with the failure of NuMA to associate with the cortical LGN crescent in *shPex11b* epidermal progenitors (see Main Fig. 5). Radial histogram quantifies LGN position relative to spindle axis from sagittal sections. Ctrl n = 46, *shPex11b* n = 38. Student's *t*-test of significance p-value = <0.001. **d**, Quantification of relative positions of LGN and NuMA in mitotic cells in E.17.5 clonally transduced *shPex11b* epidermis. n=50 *shPex11b*, n=64 Ctrl. Chi-square test of significance, p-value < .05. **e**, DNA content analysis for cell cycle profiling of E16.5 *ex vivo* epidermal cells showing an enrichment in G2/M cells in *shPex11b* clones. **f and g**, *shScr* and *shPex11b* keratinocytes were treated with 2X thymidine and released. Samples were collected every 2 hours for cell cycle analysis by flow cytometry. Cell cycle profiles (a) and quantifications (b) for 2 *shPex11b* shRNAs and 2 *shScr* is shown. Note increased cells retained in G2/M phase from 2 hrs post release. **h**, Flow cytometry analyses of DNA reveals an increase in the number of cells with >4N DNA content when *Pex11b* is knocked down, indicative of mitotic abnormalities. **i**, Quantification of apoptotic caspase 3 + cells from sagittal sections of E16.5 *shScr* and *shPex11b* epidermis. No significant differences observed. **j**, DNA content analysis for cell cycle profiling of E16.5 *ex vivo* epidermal cells from *shPex5* (n=7, 2 litters) and *shPex19* (n=9, 3 litters) transduced embryos. Note the enrichment of apoptotic/sub G1 cells. PEX5 and PEX19 depletion display enhanced apoptosis but without alterations in S or G2/M populations. **k**, Semi-quantitative RT-qPCR for knockdown efficiency of four different *Pex14* shRNAs *in vitro*.



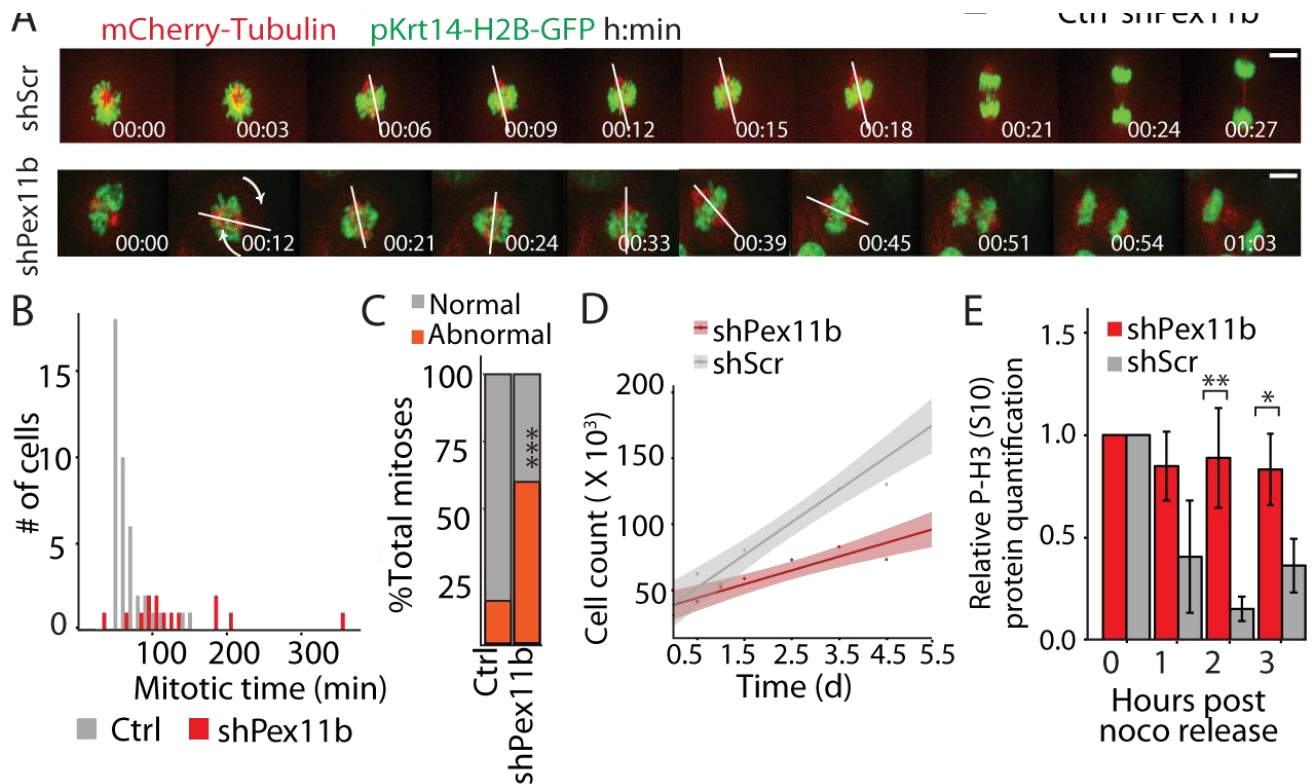
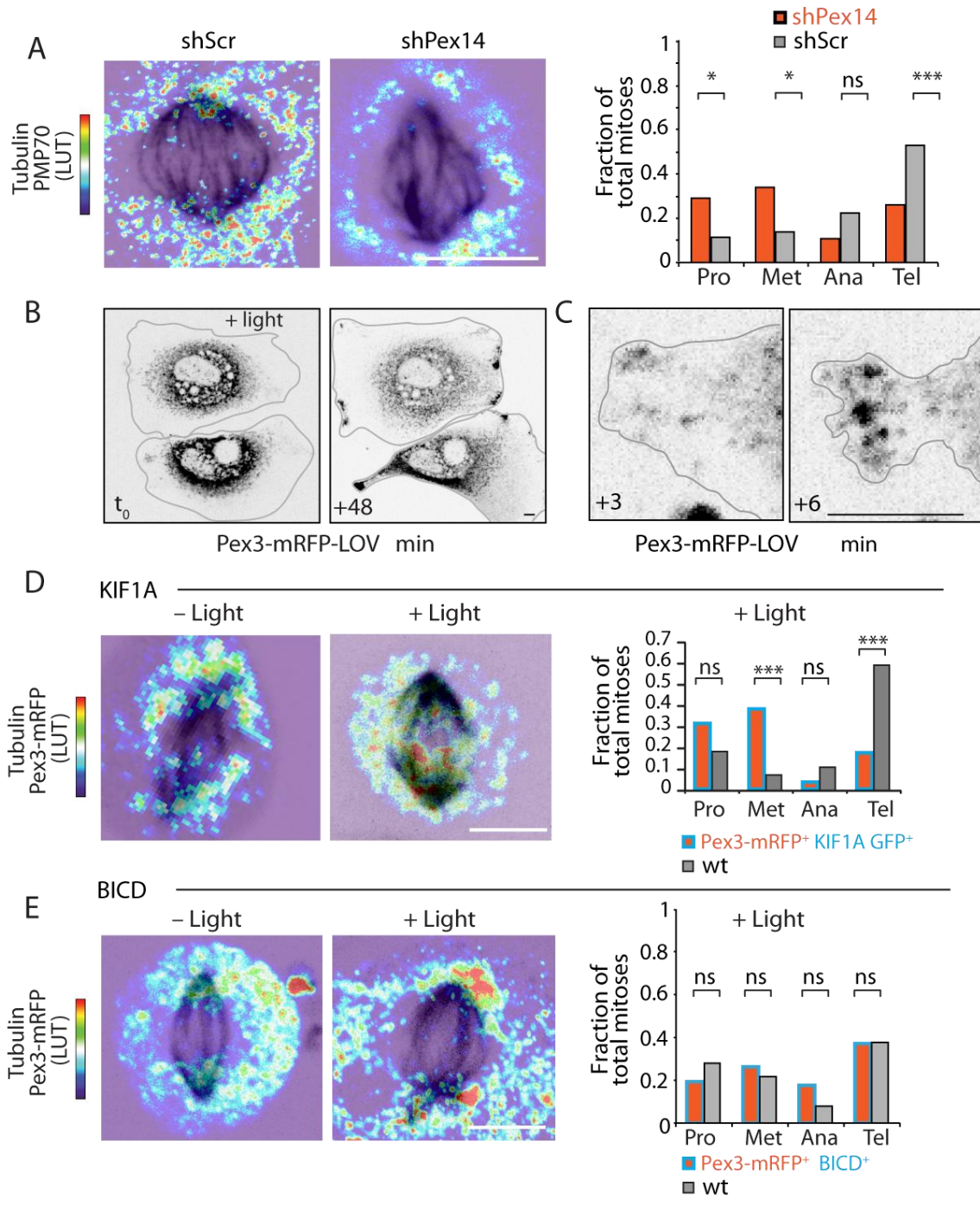


Figure 4.8 Spindle rotations and mitotic delays after loss of PEX11b.

a, *shPex11b*-induced uncontrolled spindle rotations with increased mitotic time seen via time-lapse imaging. Spindle angle is shown with white line and defined as the maximum angle formed between the spindle orientation at the start of video-microscopy and the spindle orientation of the particular image taken later during mitosis. **b**, Histogram of data from time-lapse imaging of keratinocytes shows slowed mitotic progression (from chromosome condensation to nuclei decondensation) of *shPex11b* ($n=18$) cells relative to *shScr* ($n=32$) control cells. **c**, Increased abnormal mitotic outcomes assessed with time-lapse imaging of *shPex11b* and *shScr* 1^0 MKs. Chi-square test, p -value $< 0.001 = ***$. **d**, Delayed keratinocyte expansion in *shPex11b* cultures after 5.5 days of *in vitro* growth. **e**, *shPex11b* 1^0 MKs remain in mitosis after cells were treated with nocodazole and then released. Cell lysates were collected hourly for immunoblot analysis of mitotic marker P-H3(S10). Student's *t*-test, $** = p$ -value < 0.01 , $* = p$ -value < 0.05 , $*** = p$ -value < 0.001 .

Figure 4.9 Mis-localization of peroxisomes alters mitotic progression.

a, *shPex14* keratinocytes uncouple peroxisomes from microtubules, resulting in higher proportions of cells in early mitosis and reduced late mitotic cells relative to *shScr* cells. Maximal projections of z-stack of entire cell is shown with immuno-labeling for tubulin and PMP70. Thermal LUT for PMP70 indicates fluorescence intensity of peroxisome marker PMP70 with red \rightarrow blue indicating high \rightarrow low, **b to d**, Light-induced ectopic movements of peroxisomes in interphase (B, C) or in mitotic (D) keratinocytes transfected with Pex3-mRFP-LOV and KIF1A-GFP-ePDZ1b. Time-lapse imaging was for up to an hour (B, D) or 6 minutes (C), following light-induced coupling of peroxisomes to the plus-end microtubule motor (KIF1A). Note that even within minutes after photo-activation, peroxisomes move to cortical sites of interphase cells, where the plus-ends of microtubules reside. Note that in mitotic cells, plus-ends of microtubules reside at the spindle-mid zone, shifting the localization of peroxisomes. Maximal projections of z-stack of entire cell is shown with immuno-labeling for tubulin and fluorescence of Pex3-mRFP-LOV. Thermal LUT for Pex3-mRFP-LOV indicates intensity of fluorescence with red \rightarrow blue indicating high \rightarrow low. Bar plot shows proportions of cells in each part of mitosis. Cells with ectopic association between spindle mid-zone and peroxisomes have higher proportions of cells in early mitosis and reduced late mitotic cells relative to light-exposed neighbor cells. **e**, Light-induced peroxisome movement to spindle poles via coupling of Pex3-mRFP-LOV and BICD-ePDZ1b, a minus-end microtubule motor segment. Maximal projections of z-stack of entire cell is shown with immuno-labeling for tubulin and fluorescence of Pex3-mRFP-LOV. Thermal LUT for Pex3-mRFP-LOV indicates intensity of fluorescence with red \rightarrow blue indicating high \rightarrow low. Cells with enhanced peroxisomes at spindle poles show similar proportions as un-transfected controls of cells in each phase of mitosis. Bar plot shows proportions of cells in each part of mitosis.



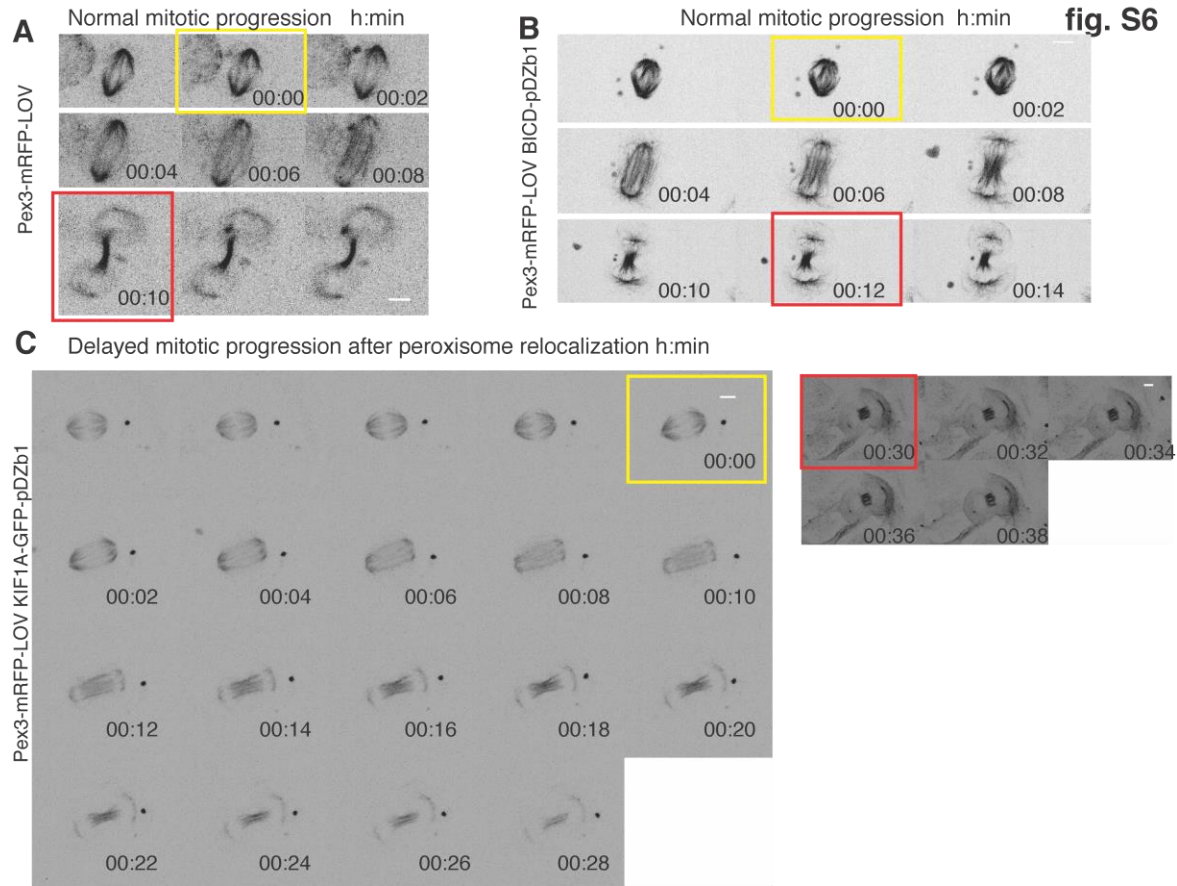


Figure 4.10: Mis-localization of peroxisomes is sufficient to trigger a mitotic delay.

Epidermal keratinocytes were transfected with Pex3-mRFP-LOV (A) and either minus-end microtubule fusion protein, BICD-GFP-ePDZ1b (B) or plus-end microtubule motor fusion protein, KIF1A-GFP-ePDZ1b (C). Cells were time-lapse imaged over 1 hour after exposure to blue spectrum light. Shown are still frames from these movies. Yellow boxes show anaphase entry and red boxes highlight cytokinesis completion. Note increased anaphase time upon photo-activation of Pex3-mRFP-LOV keratinocytes doubly transfected with the plus-end motor construct, which brings peroxisomes to the spindle mid-zone, but not with the minus-end motor construct, which enhances both the duration and the concentration of peroxisomes at the spindle poles of mitotic cells.

METHODS

Viral titering

Keratinocytes were infected in vitro with different amounts of 1:1 mix of lentivirus expressing either H2BYFP or H2B-RFP. A range of cell transductions was achieved, and the incidence of YFP and RFP expression and co-expression was analyzed by FACS (FIG). Varying degrees of co-infection were detected at all levels of transduction, as shown by presence of dual positive cells. With a single infection percentage of 22% less than 2% of all infected cells will be co-infection events. After titering the pooled virus it will be diluted to allow no greater than 15% infection.

Cell culture

Primary mouse keratinocyte were cultured in 0.05 mM Ca²⁺ or 1.5 mM Ca²⁺ media supplemented with 15% serum. For viral infections, keratinocytes were plated in 6-well dishes at 100,000 cells per well and incubated with lentivirus in the presence of polybrene (100 µg ml⁻¹). After 2 days, we positively selected infected cells with puromycin (1 µg/ ml⁻¹) for 4–7 days, and processed them for mRNA and protein analyses. For 2X thymidine block cells were treated with 2mM thymidine (Sigma) for 19 hours released for 9 hours and treated again for > 12 hours.

Oxidase Activity Assay

2X10⁶ Primary mouse keratinocytes knocked down for *shPex11b* or *shScr* were pelleted and flash frozen in liquid nitrogen. Cell pellets were resuspended in PBS and assayed for oxidase activity as previously described. Briefly cell suspensions were mixed with H2O2 and Triton X

and bubbles produced by the decomposition of H₂O₂ creates foam which can be measured. Extracts from the peroxisome rich mouse liver were used as positive controls.

Electron microscopy analysis

Skin samples were fixed in 2% glutaraldehyde, 4% PFA, and 2 mM CaCl₂ in 0.05 M sodium cacodylate buffer, pH 7.2, at room temperature for >1 h, post-fixed in 1% osmium tetroxide and processed for Epon embedding; semi-thin sections (1 μm) were stained with toluidine blue and examined by light microscopy. For transmission electron microscopy, ultrathin sections (60–70 nm) were counterstained with uranyl acetate and lead citrate. EM images were taken with a transmission electron microscope (Tecnai G2-12; FEI) equipped with a digital camera (Model XR60; Advanced Microscopy Techniques, Corp.).

Barrier assay

Dye exclusion assays were performed as previously described³⁵. Embryos are immersed in a low-pH X-gal substrate solution (100 μM NaPO₄, 1.3 mM MgCl₂, 3 mM K₃Fe(CN)₆, 3 mM K₄Fe(CN)₆, 1 mg ml⁻¹ X-gal, 0.01% sodium deoxycholate, 0.2% NP-40, pH 4.5) at 30–37 °C for several hours to overnight until color develops. Tails were snipped to serve as a positive control for staining. At low pH abundant β-galactosidase in the skin cleaves X-gal and forms a blue precipitate. This enzyme is only available to the substrate when the epidermis has incomplete barrier function.

Immunostaining and histological analyses

The following primary antibodies were used: chicken anti-GFP (1:2000; Abcam); guinea pig anti-K5 (1:500; E. Fuchs); rabbit anti-caspase 3 (AF835, 1:1000; R&D), guinea pig anti-RFP

(1:1000, Fuchs), rabbit anti-K10 (PRB-159P, 1:1000; Covance), rabbit anti-filaggrin (PRB-417P, 1:2000; Covance), rabbit anti-Laminin 5 (1:1000, Fuchs), rabbit anti-PMP70 (1:500, Abcam), rabbit anti-Involucrin (1:2000, Covance), rabbit anti-Hes1 (1:5000, Fuchs), mouse anti- γ tubulin (1:500, Sigma), rabbit anti-LGN (1:10000, Fuchs), rabbit anti-NuMA (1:500, Abcam), rabbit anti-pericentrin (1:500, Covance), and rabbit anti-survivin (1:500, Cell signaling).

Frozen sections were cut at a thickness of 8–10 μ m on a Leica cryostat and mounted on SuperFrost Plus slides (Fisher). Slides were air-dried for 30 min, then fixed for 10 min with 4% paraformaldehyde, rinsed with PBS, then blocked for 1 h in block (5% NDS, 1% BSA, 0.1% Triton X-100 in PBS) before incubating in primary antibody diluted in block at 4 °C overnight. After washing, secondary antibodies conjugated to Alexa-488, Alexa-647 (Molecular Probes), RRX, Alexa-546, or FITC were added for 1 hr at room temperature. Slides were washed, counterstained with DAPI (0.5 μ g ml⁻¹) and mounted in ProLong Gold Antifade (Invitrogen). Imaging was performed on a Zeiss Axio Observer.Z1 epifluorescence microscope equipped with a Hamamatsu ORCA-ER camera (Hamamatsu Photonics), and with an ApoTome.2 (Carl Zeiss) slider that reduces the light scatter in the fluorescent samples controlled by Zen software (Carl Zeiss). For time-lapse video microscopy keratinocytes were plated on fibronectin-coated dishes and transfected with plasmid encoding PTS1-GFP, mCherry-Tubulin, or *pKrt14*-H2B-GFP. Time series of images were acquired on a spinning-disc microscope equipped with a 40X air objective and 40X water objective and an EM charge-coupled device camera (Hamamatsu).

Back-skin thickness was quantified by taking >40 measurements per embryo of RFP+ regions from five random \times 20 fields arrayed from anterior to posterior. Epidermal thickness was measured as the distance from the basement membrane (labelled with β 4 integrin) to the skin surface. Peroxisome quantification was done using the ImageJ particle analysis plugin on 0.5 μ m

Z-slices of epidermis immunostained for PMP70, a marker of peroxisomes, and phalloidin, a marker of cell boundaries.

Immunoblotting

Gel electrophoresis was performed using 4–12% NuPAGE Bis-Tris gradient gels (Invitrogen), transferred 1hr at 4°C at 100 mA to nitrocellulose membranes. Membranes were blocked for 1 h in 5% milk-TBST, then incubated with primary antibodies in block overnight at 4 °C with gentle agitation. Membranes were rinsed several times in PBST (PBS + 0.1% Tween-20) before incubating in secondary antibodies diluted in block for 1hr at room temperature in the dark. Membranes were washed in PBST before developing blot. Quantification of band intensities was performed using ImageJ gel quantifier plug-in software. Primary antibodies used were: rabbit anti-pH3 (S10) (1:1000), mouse IgG anti- β -actin (Sigma, 1:5,000), rabbit anti-Hprt1 (Abcam, 1:2,000), rabbit anti-Pex11b (Sigma, 1:500), rabbit anti-Pex19 (Novus, 1:2000), rabbit-Acox1 (Sigma, 1:1000), rabbit anti-Catalase (Abcam, 1:1000).

RT-qPCR

mRNA was isolated using Direct-zol RNA MiniPrep kit (Zymo Research) per manufacturer's instructions and was quantified using a Nanodrop spectrophotometer. cDNA was synthesized from 250 ng of total RNA using Superscript III with oligo-dT primers (Invitrogen). cDNAs were mixed with indicated primers and SYBR green PCR Master Mix (Sigma), and qRT-PCR was performed on an Applied Biosystems 7900HT Fast Real-Time PCR system. Relative quantification was performed with data normalized to cyclophilin (Ppib) and Hprt1. To confirm the functionality of the primer sets used specificity was confirmed by the absence of product in

samples prepared without reverse transcriptase (-RT controls); and product sizes calculated by melting curve analysis. Sequences for the primer used are previously described¹.

Mice, RNAi screen and lentiviral transduction

Mice were housed and cared for in an AAALAC-accredited facility, and all animal experiments were conducted in accordance with IACUC-approved protocols. CD1 mice were used for single gene knockdown experiments. The screen was performed in a C57/B16 background with 3 biological replicates of 6-10 pups each. shRNAs included in the screen and for all knock down experiments are from Sigma TRC 1.0 or 1.5 mouse library. Based on a library targeting ~810 genes each screen replicate had a coverage of >75X.

We used non-invasive, ultrasound-guided in utero lentiviral-mediated delivery of RNAi, which selectively transduces single-layered surface ectoderm of living E9.5 mouse embryos as previously described. All shRNAs were obtained from The Broad Institute's Mission TRC-1 mouse library, and were present in the pLKO.1 lentiviral backbone, which harbors a puromycin-resistance cassette. shRNA sequences were cloned from the library vectors into our modified pLKO H2B-mRFP1, H2B-YFP, or H2B-CFP vectors and high titer lentivirus was produced as previously described.

Deep Sequencing: Sample preparation, preamplification and sequence processing

Keratinocytes isolated from FACS sorted P4 epidermis were subjected to genomic DNA isolation with the DNeasy Blood & Tissue Kit (Qiagen), and each sample was analyzed for target transduction using real-time PCR. 6µg genomic DNA of each cell population was used as

template in a preamplification reaction with 21 cycles and Phusion High-Fidelity DNA Polymerase (NEB). PCR products were run on a 2% agarose gel, and a clean ~200 bp band was isolated using QIAquick Gel Extraction Kit as recommended by the manufacturer (Qiagen). Final samples were then sent for Illumina HiSeq 2000 sequencing. Illumina reads were trimmed to the 21 nt hairpin sequence using the FASTX-Toolkit and aligned to the TRC 2.x library with BWA (v 0.6.2)⁴⁴ using a maximum edit distance of 3. Hits were ranked based on (a) numbers of shRNAs that targeted the gene and scored positively in the screen and (b) magnitude of alteration relative to shScr (c) absence of shRNAs targeting the same gene showing opposing effects relative to shScr.

Statistical Analyses

Data were analyzed and statistics performed (unpaired or paired two-tailed student's t-tests or chi-squared tests). For determination of angles during mitosis, the number of cells analyzed (n) is indicated in the figure legends, and included cells from three or more embryos of the same age. Panels showing *shPex11b* include average values for 2-3 shRNAs targeting *Pex11b*. Error bars represent SEM in all plots. Boxplots show 25th and 75th percentiles as top and bottom of box and center line as the median. Density plots show kernel density estimates of populations similar to smoothed histograms. All graphs were prepared in R graphical environment using ggplot2.

Keratinocyte isolation

Materials:

6 well Plates

Dispase

PBS

0.25% Trypsin

Versene

E Lo Ca Media

5 mL pipettes

15ml & 50mL conical polypropylene tubes

1. Sacrifice pups via CO₂ and/or decapitation. Place an aliquot of dispase into the water bath to thaw.
2. Remove skin area of interest and place epidermis down on dry plastic plate, Scrape off thick areas of fat gently with blunt forceps and smooth down edges of skin to reduce curling. [Fat on the edges causes curling and reduces surface area exposed to dispase]
3. Transfer flattened skin to PBS, dermis side down. Repeat for all pups
4. Prepare 1:1 mixture of dispase: PBS
5. Suction off PBS and replace with 2mL dispase mix. Dermis side should be face down into dispase. Set at 4° C for 16 hours
6. Using two pairs of blunt forceps gently remove epidermis (looks like wax paper) from dermis and float onto a 6 well with .5mL PBS
7. Flatten piece of dermis on PBS. One side of the epidermis looks waxy and is water resistant (this is the external face), the other side will sink into the PBS. Place cells waxy side up on PBS to expose basal keratinocytes to trypsin most strongly.
8. Prepare a 1:1 mixture of 0.25% Trypsin: Versene. Heat trypsin mixture to 37 for no more than 10 minutes [Heat of this solution changes the speed of cellular digestion]

9. Carefully suction off PBS, some cells will already be floating off of epidermis so attempt to leave these behind
10. Replace with 2mL trypsin mixture. Place on gentle shaker for no longer than 1hr at room temperature.
11. Place 6-8 mL E Lo Ca media into 15mL conical tubes on ice
12. Using a 5 mL pipette suck up trypsin mixture and transfer to 15mL conical pipetting up and down 2X
13. Rinse well with 1-2ml PBS and add to 15mL conical
14. Repeat for 2 samples. Cover both 15mL conical tubes tightly and hold in hand with cap side in palm. Hit tubes firmly onto palm of opposite hand approximately 1/sec for 45 secs
15. Place tube back onto ice
16. Remove pieces of epidermis and transfer to labeled 50mL conical tube
17. Using a 10mL pipette remove solution from 15mL conical and filter through 40uM nylon filter into the labeled 50mL tube
18. Rinse 15mL tube with 2mL media and use to also rinse filter into 50mL conical
19. Spin down in large centrifuge at 300g for 5 minutes. Resuspend in 5mL fresh media
20. Count number of cells and check viability (should be > 90%). [A variety of sizes of cell should be visible in hemacytometer]
21. Spin down and resuspend in FACS buffer (1% FBS PBS)

Keratinocyte differentiation FACS protocol

1. Freshly isolated cells are resuspended in FACS buffer and spun down to wash
2. Filter through 40uM filter into polypropylene 50mL conical tubes
3. Spin down and resuspend at 500,000 to 1X10⁶ cells per 100uL of PBS (no FBS!). Be sure to resuspend very well
4. Place tube on vortex and while vortexing add 100% ice cold methanol to total volume of 1mL per million cells
5. Place tubes on ice, then at -20° for 30 minutes
6. Rinse cells with 1 volume FACS Buffer and spin down 5 minutes at 300g
7. Aliquot cells into polypropylene tubes using 40uM strainer tops and spin down 3', 300g
8. Resuspend in anti-K5 & anti-K10 primary antibody(diluted in PBS 1:1000)
9. Incubate at RT for 20-30'
10. Wash with PBS
11. Suck off and resuspend in alexa secondary antibody of your choosing at 1:1000. Cover and incubate 20' at RT
12. Wash 1X and resuspend in 300uL PBS

Sorting buffer: used to reduce stickiness of cells during sorting, not needed for FACS analysis

1% FBS-

.5mM EDTA

.1% Pluronic F68

1mM HEPES

In PBS (no Ca/ no Mg)

APPENDIX

Expression values for 726 Selective Differentiation Genes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
SNORD59	10:127496009-127566455	1	100.2118	6.646908587	0.031864	yes
AL596123.1,Gm11613	11:97505497-97521681	2.35196	91.022	5.274279857	0.001165	yes
AC158612.1,AC158612.2,Trpm2	10:77370466-77433308	1.221667	29.0199	4.570119552	0.001165	yes
Mir5102	7:137305964-140316037	1	14.306	3.838548442	0.014093	yes
AC114657.1,Mmp17	5:130090029-130114162	1.498311	9.70158	2.694882613	0.007827	yes
Clca2,Clca4	3:144459459-144512321	30.6473	136.397	2.153980029	0.001165	yes
Gpihbp1	15:75427079-75428642	1.715988	7.55137	2.137698944	0.004529	yes
Ly6d	15:74592485-74593997	721.307	3103.09	2.105020211	0.001165	yes
Serpib3b,Serpib3c	1:109050516-109174948	120.398	512.84	2.090697365	0.001165	yes
Tmprss4	9:44980805-45058103	16.8538	65.3213	1.954479593	0.001165	yes
Il34	8:113245375-113331377	13.382	51.1658	1.934886064	0.015179	yes
Ctsc	7:95426594-95459398	86.309	329.68	1.933483457	0.001165	yes
Dsg1a,Dsg1c	18:20405840-20501854	59.6969	227.584	1.930671214	0.001165	yes
Ace2	X:160577263-160626352	20.3881	76.9199	1.915629553	0.001165	yes
2310042E22Rik	16:21152763-21154014	1.68449	6.29561	1.902034308	0.001165	yes
Tdh	14:64111183-64127929	17.3166	64.4587	1.896219398	0.001165	yes
Npl	1:155350145-155396844	216.875	800.924	1.884801594	0.001165	yes
Hspa12a	19:58870236-58935505	3.77591	13.9307	1.88337147	0.001165	yes
Apba3,Mir3057	10:80730916-80754012	13.2211	47.8783	1.856529713	0.00378	yes
Serpib12	1:108831025-108853657	87.7679	315.451	1.84565063	0.001165	yes
Them5	3:94146020-94151274	139.635	501.108	1.843460967	0.001165	yes
Cox6a2	7:135297889-135368205	1.654319	5.70685	1.786457189	0.025729	yes
Gm13929	2:111840336-111841461	8.25169	28.1386	1.769789023	0.001165	yes
Mia1,Mir3101,Rab4b	7:27953442-27966176	23.9847	81.6577	1.767474538	0.001165	yes
Lgals3	14:47987425-48005835	490.571	1662.92	1.761184908	0.001165	yes
Ano7	1:95270393-95300948	8.62637	29.1028	1.75433246	0.001165	yes
Fam83a	15:57816973-57842564	36.8257	124.091	1.75261363	0.001165	yes
F3	3:121426454-121437970	77.2918	257.381	1.735518287	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Mettl7a1	15:100135247-100144782	13.281	43.893	1.7246271	0.001 165	yes
Cdh5	8:106625524-106668402	2.0167 5	6.64099	1.71936607	0.001 165	yes
Pecam1	11:106515530-106611942	2.4871 6	8.11488	1.706070441	0.001 165	yes
Sdr16c5	4:3923082-3946810	35.777 2	116.285	1.700552622	0.001 165	yes
Adam8	7:147136294-147178461	4.2067 7	13.6493	1.698042117	0.001 165	yes
Sh2d4a	8:70800389-70872450	10.331 67	33.4764	1.696070922	0.001 165	yes
Dsc3	18:20116732-20160833	157.48 3	510.174	1.695793276	0.002 127	yes
Skint7,Skint8	4:111591937-111661563	10.462 66	33.8925	1.695716372	0.001 165	yes
Aadac	3:59835684-59844084	3.6616 2	11.8344	1.692432582	0.009 039	yes
Clca5	3:144733228-144781260	8.4870 3	27.0531	1.672462239	0.001 165	yes
Lypd3	7:25416163-25426135	104.57 4	332.29	1.667918675	0.001 165	yes
Rhov	2:119094936-119097008	16.169 6	51.1614	1.661771753	0.001 165	yes
Aadacl2,C130079G13Rik,Gm9696	3:59643752-59835585	24.886 6	78.5872	1.658925207	0.001 165	yes
Arhgap24	5:102910409-103326955	23.176 5	72.7902	1.651081514	0.001 165	yes
Capns2	8:95379134-95443178	43.133 9	135.355	1.649854112	0.001 165	yes
Krt6b	15:101506464-101510720	1.2682 86	3.97228	1.647087208	0.001 165	yes
Fhl2	1:43179918-43220806	8.3071	25.783	1.634003313	0.001 165	yes
Gsto1	19:47811166-47993803	134.54 8	415.008	1.625018201	0.001 165	yes
Ano1	7:151774451-151937879	11.019 6	33.8448	1.618862335	0.001 165	yes
Lipg	18:75098975-75120917	6.7966 9	20.7356	1.609205566	0.001 165	yes
Cyp2b10	7:26682638-26773029	1.7225 43	5.25226	1.608398338	0.002 986	yes
Gm6166	9:57331719-57332392	359.35	1093.26	1.605174954	0.001 165	yes
Dsg1b	18:20535229-20568697	10.695 27	32.1335	1.587105225	0.001 165	yes
Prrg4	2:104667191-104690131	9.3297	27.8462	1.577577869	0.002 127	yes
Zfp750	11:121313262-121534467	34.373 6	102.481	1.575983598	0.001 165	yes
Rab25	3:88345950-88352222	180.73 4	538.816	1.575924758	0.001 165	yes
Rbp2	9:98386482-98410190	31.643 8	94.149	1.573022913	0.006 575	yes
Tmem45a	16:56805269-56886279	100.06 92	295.665	1.562965472	0.041 025	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Ankrd22	19:34175432-34240543	56.3083	165.295	1.553623585	0.024383	yes
Oas1f	5:121294111-121307995	17.8946	52.3809	1.549516553	0.001165	yes
Ly6g6e	17:35208387-35215833	28.8985	84.2527	1.54372831	0.001165	yes
Mir31	4:88555616-88556628	2.54853	7.41184	1.540166402	0.008436	yes
Krt32	11:99913599-99949540	5.27498	15.3281	1.538941349	0.002127	yes
Cpeb2	5:43624633-43680966	21.12	61.0179	1.530622694	0.001165	yes
Grhl1	12:25257151-25302257	32.1536	92.8606	1.530086328	0.001165	yes
Ces2b,Ces2g	8:107283473-107493437	58.7919	169.512	1.5276981	0.001165	yes
Tprg	16:25286895-25424121	22.0757	63.2189	1.517896748	0.001165	yes
Ctla2a,Ctla2b	13:60996410-61037986	1.43046	4.0948	1.517313833	0.00378	yes
Aim1l	4:133621683-133650997	25.8627	73.7342	1.51146104	0.010236	yes
Gm14328	18:74442743-74519640	244.019	695.689	1.511449025	0.001165	yes
Endou	15:97541431-97561836	75.8238	215.989	1.510235174	0.001165	yes
Acs1l	8:47556394-47621491	42.6443	121.351	1.508761174	0.014625	yes
Car13	3:14641507-14663824	41.2104	116.09	1.494163332	0.001165	yes
1700055N04Rik,Aldh3b2	19:3963840-3983151	21.9446	61.6777	1.490882994	0.001165	yes
Sec14l2	11:3997041-4023418	4.66412	13.0872	1.488479654	0.007188	yes
Smtnl2	11:72202104-72225215	25.4292	71.1829	1.485044634	0.002127	yes
Acer1	17:57092912-57121605	23.8359	66.5647	1.481621203	0.00378	yes
Alox12	11:70054908-70068876	11.902	33.1747	1.478879396	0.001165	yes
Elov14	9:83672299-83699912	53.0816	147.532	1.474744149	0.001165	yes
Trbc1,Trbc2,Trbj1-4,Trbj2-1,Trbj2-2,Trbj2-3,Trbj2-4,Trbj2-5,Trbj2-7	6:41484731-41515059	11.6353	32.1681	1.467122317	0.001165	yes
Clca1	3:144392640-144423941	5.49023	15.1448	1.463884032	0.001165	yes
Ocln	13:101266461-101322770	10.86662	29.8849	1.459513447	0.019037	yes
Sult2b1	7:52985352-53014982	31.8955	87.6084	1.457716309	0.001165	yes
Mpp7	18:7347955-7626861	12.109	33.1375	1.452385038	0.001165	yes
Metrn1	11:121562857-121577620	23.4045	63.4731	1.43935936	0.001165	yes
Krtdap	7:31572816-31576118	3372.27	9097.68	1.431778641	0.014625	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Nipal4	11:45961656-45980036	8.1393 9	21.9471	1.431037738	0.001 165	yes
BC100530,Stfa2	16:36359467-36421006	1930.7 2	5193.04	1.427440383	0.005 257	yes
4930430F08Rik	10:99950263-100051893	9.5431 2	25.6593	1.426948894	0.009 612	yes
Polr3g	13:81812841-81850012	32.207 9	86.4891	1.425103727	0.026 037	yes
Spib	7:51781364-51787441	2.3667 9	6.34177	1.421953851	0.001 165	yes
Dlg2	7:97650472-99597514	5.2863 3	14.1465	1.420106765	0.001 165	yes
Nbeal2	9:110527121-110557246	5.2779 5	14.11	1.418668399	0.031 864	yes
Nipal1	5:73039034-73062317	6.0162 2	16.0716	1.417584334	0.001 165	yes
Eef2k	7:127986344-128050733	80.421 1	214.688	1.416595579	0.030 265	yes
Il20rb	9:100356858-100387207	24.684 6	65.8696	1.416001522	0.001 165	yes
Tgm3	2:129838084-129876135	17.426	46.2325	1.407665929	0.001 165	yes
Smagp	15:100451608-100467683	19.155 2	50.8036	1.407194643	0.001 165	yes
Zfp185	X:70232677-70276882	24.448	64.841	1.407189892	0.001 165	yes
Ttl7	3:146515330-146646973	2.4509 5	6.4912	1.405144154	0.001 165	yes
Gpr111	17:42830200-42879128	5.0126 1	13.271	1.404643189	0.001 165	yes
Ovol1	19:5531549-5560866	48.846 9	129.118	1.402351225	0.001 165	yes
Agpat3	10:77722575-77815234	55.043 9	143.99	1.387314024	0.004 529	yes
Srxn1	2:151931251-151937112	2.2945 7	5.99591	1.385754909	0.010 236	yes
Foxn1	11:78171024-78200287	3.6151 7	9.4377	1.384371823	0.001 165	yes
Gm13998	2:119703804-119704139	170.13	443.382	1.38191264	0.001 165	yes
Tmprss13	9:45126347-45155669	11.428 8	29.7432	1.37988594	0.001 165	yes
Slc31a2	4:61923595-61959663	22.941	59.6116	1.377664816	0.001 165	yes
Bspry	4:62141084-62164501	12.805 3	33.234	1.375918892	0.001 165	yes
Cdkn2b	4:88951211-88956941	3.4305 2	8.90187	1.375681155	0.002 986	yes
Aldh1l2	10:82949688-82996885	4.1735 9	10.82463	1.374956926	0.007 827	yes
Lipm	19:34175432-34240543	19.204 4	49.6206	1.369502289	0.005 257	yes
Fam25c	14:35165066-35168619	106.20 5	274.357	1.369202697	0.001 165	yes
Cd93	2:148262375-148269299	1.4578 23	3.76447	1.368631195	0.001 165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
2610528J11Rik	4:118199603-118202833	11.9445	30.8064	1.366883637	0.00165	yes
Acad9	3:35964900-35993866	148.741	383.463	1.366285003	0.005257	yes
Gng11	6:3953942-3958445	3.14666	8.0869	1.361765469	0.018547	yes
Pla2g4f	2:120125425-120139931	14.4216	37.0029	1.35940711	0.00165	yes
Prom2	2:127352144-127367203	17.8165	45.7127	1.359381082	0.00165	yes
Esam	9:37335662-37345904	1.772467	4.5459	1.358807181	0.00165	yes
Pla2g2f	4:138306447-138313541	39.2604	100.5734	1.35710201	0.00165	yes
Map3k6	4:132795645-132808844	6.92101	17.7224	1.356519495	0.005257	yes
Ell2	13:75844931-75909812	52.6904	134.374	1.350641981	0.00165	yes
Ccdc164	5:30607913-30668993	1.651577	4.20206	1.347252529	0.012463	yes
Kdr	5:76328851-76374483	1.431219	3.63206	1.343543591	0.00165	yes
Plcd1	9:118980644-119002614	6.50021	16.462	1.34058139	0.00165	yes
Sphk1	11:116392238-116397988	7.46626	18.8794	1.338355262	0.004529	yes
Gm15055	6:52052947-52064878	12.4715	31.4125	1.332703771	0.01135	yes
Galnt6	15:100522243-100559807	15.1277	38.0711	1.331503596	0.00165	yes
Zbtb7c	18:75979831-76308288	4.36518	10.97973	1.330729527	0.00165	yes
Rab3d	9:21711698-21722636	41.1103	103.402	1.330692285	0.024842	yes
Sbsn	7:31536329-31541171	195.436	491.28	1.329849267	0.00165	yes
Chl1	6:103460616-103699671	16.9961	42.5108	1.322625672	0.00165	yes
9130219A07Rik,Il22ra1	4:135284002-135311389	5.02203	12.5167	1.317511697	0.00165	yes
C430049B03Rik,Mir322	X:50407418-50410370	5.50293	13.7146	1.317440663	0.011885	yes
Nipal2	15:34502553-34608987	15.3148	38.0627	1.313451377	0.00165	yes
Gpr160	3:30754871-30796114	4.52699	11.2224	1.309757216	0.00378	yes
Gm9790	3:85719704-85719992	176.178	436.662	1.309483207	0.00165	yes
Stc2	11:31257306-31270207	2.8488	7.0505	1.307371232	0.034675	yes
Hbegf	18:36664582-36675459	35.0389	86.7085	1.307215943	0.00165	yes
Pvrl4	1:173300229-173318729	21.2766	52.4944	1.3028959	0.00165	yes
Rgs20	1:4894699-5060366	4.0727	10.03924	1.301592604	0.028562	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Fam83b	9:76335242-76415024	28.229 1	69.5153	1.30014741	0.001 165	yes
Ccr4	9:114398505-114414049	2.3865 1	5.85893	1.295734832	0.001 165	yes
Paqr5	9:61801157-61874679	20.566 2	50.4156	1.29359496	0.001 165	yes
Mgst1	6:138088836-138105276	76.565 6	187.123	1.289218639	0.001 165	yes
Svip	7:59252534-59261388	4.4426 2	10.81917	1.284107175	0.001 165	yes
Ttc39b	4:82866203-82970159	2.7305 7	6.62215	1.278097548	0.025 293	yes
Aspg	12:113344893-113365784	3.6754 4	8.90882	1.277317385	0.001 165	yes
Capn5,Omp	7:105270068-105334168	5.4367 7	13.1579	1.275107551	0.003 78	yes
Thbd	2:148230206-148233924	2.5464 8	6.15957	1.274325253	0.001 165	yes
Gsta2	9:78178824-78203595	5.3454	12.8912	1.270016751	0.030 691	yes
Nrarp	2:25036277-25038850	48.858 3	117.571	1.266856678	0.001 165	yes
Rdh12	12:80309900-80323652	21.126 5	50.7055	1.263088466	0.001 165	yes
Cd109	9:78463352-78564248	36.475 5	86.9005	1.252436723	0.001 165	yes
Sh3kbp1	X:156065203-156416001	6.6251 5	15.7218	1.246741378	0.004 529	yes
Ostf1	19:18652373-18706314	41.118 2	97.4236	1.244494185	0.001 165	yes
1190003J15Rik	7:148020916-148023865	93.107	220.283	1.242396619	0.001 165	yes
Tdrd1	19:56900698-56944502	3.5814 9	8.46053	1.240188128	0.001 165	yes
Stard5	7:90780468-90894236	38.59	90.8397	1.235095898	0.001 165	yes
Mocos	18:24812191-24860057	5.6707 4	13.3218	1.232180112	0.001 165	yes
Spnb3	19:4648316-4753819	7.5447 1	17.7231	1.232093619	0.001 165	yes
Cyp4f39	17:32589570-32633356	16.040 8	37.635	1.230328877	0.001 165	yes
Notch3	17:32250373-32303825	11.160 9	26.18	1.230011728	0.001 165	yes
Gp1bb,Sept5	16:18620284-18630040	22.716 7	53.2215	1.228255899	0.001 165	yes
Kcnk7	19:5704366-5707101	5.6564 5	13.2404	1.226977904	0.005 933	yes
Adh1	3:137923954-137969986	69.69	163.079	1.226547455	0.001 165	yes
Ammecr1	X:139285688-139401271	10.214 04	23.8917	1.225955898	0.001 165	yes
Ankrd35	3:96474053-96495068	5.5183 9	12.8736	1.222096224	0.001 165	yes
Tns4	11:98925291-98950620	8.7659 3	20.4475	1.2219454	0.005 933	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Sptlc3	2:139082611-139503450	18.4486	43.0102	1.221167501	0.00165	yes
Adm	7:117771174-117773331	15.3788	35.8481	1.220953721	0.00165	yes
Hebp2	10:18259845-18265882	17.333	40.3761	1.219980187	0.00165	yes
Gcat	15:78861303-78873988	90.5811	210.849	1.218928215	0.00165	yes
Trpv3	11:73080889-73113865	6.80838	15.8342	1.217660513	0.00165	yes
Fut1	7:52872823-52877111	2.90202	6.7486	1.217530783	0.00165	yes
D7Ert443e	7:141457479-141577344	2.17032	5.04671	1.217435413	0.008436	yes
Tmem79	3:88128944-88138426	26.584	61.6684	1.213973218	0.002127	yes
Rab40b	11:121217434-121249565	3.3737	7.82294	1.21337921	0.010796	yes
Atp2b4	1:135598513-135697618	19.6982	45.5946	1.210799165	0.036152	yes
Kcnq4	4:120368742-120421217	4.08719	9.45442	1.209879645	0.00165	yes
Lancl1	1:67047090-67085446	140.504	324.947	1.209593226	0.028177	yes
Trim7	11:48638847-48666995	8.575	19.8202	1.208762944	0.047173	yes
Kdm4b	17:56465482-56544156	21.2537	49.0435	1.206347923	0.049984	yes
Sc5d	9:42059672-42072383	18.0388	41.6211	1.206211725	0.00165	yes
Mgst2	3:51464281-51486597	44.2253	102.015	1.205837463	0.007188	yes
S100a16	3:90341174-90347075	354.497	817.405	1.20527765	0.002986	yes
Rab44	17:29271679-29285925	2.07716	4.7864	1.204328619	0.01135	yes
Tmem40	6:115679120-115712484	35.107	80.7897	1.202412655	0.002127	yes
Gng12	6:66844647-66971387	62.7458	144.257	1.201050529	0.021345	yes
Casp14	10:78174712-78181042	30.3027	69.6141	1.199933202	0.00165	yes
Wdr47	3:108394196-108448639	21.2827	48.8198	1.197785197	0.026908	yes
Rnase1	14:51764676-51766442	2.58657	5.91983	1.194515511	0.030691	yes
Tuba4a	1:75207412-75215828	78.5173	179.667	1.194242981	0.00165	yes
Gm20440,Hoxd10,Hoxd11	2:74517448-74533163	1.076916	2.46407	1.194137518	0.007827	yes
Gm12525,Sort1	3:108086770-108165174	11.4868	26.1958	1.189358574	0.002127	yes
Pmaip1	18:66618206-66625247	63.0906	143.749	1.188054944	0.00165	yes
Hadh	3:130936336-130975019	102.144	232.632	1.1874451	0.00165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Dsc1	18:20241270-20273486	42.9283	97.7636	1.187368369	0.001165	yes
Mfsd7a	5:108870072-108877910	2.06541	4.69692	1.185286825	0.001165	yes
Mafb	2:160136982-160194337	39.4225	89.2585	1.178970294	0.001165	yes
Mfsd6	1:52713129-52784306	8.71279	19.6897	1.176234454	0.001165	yes
Lhfp11	X:141722274-141783632	9.28758	20.9559	1.173981845	0.043526	yes
Mpz13	9:44863132-44885522	8.36389	18.8528	1.172532814	0.001165	yes
Gm12222	11:53991273-54026787	122.115	274.63	1.169248806	0.005257	yes
Fabp5	3:10012547-10016607	360.614	810.21	1.167840484	0.001165	yes
Ddx26b	X:53708033-53761021	32.7366	73.515	1.167134155	0.040373	yes
Slc35d2	13:64197617-64230663	3.44866	7.74237	1.166739352	0.007827	yes
Lrrfip1	1:92895303-93025521	15.058	33.7938	1.166228422	0.001165	yes
Pgam2	11:5701339-5704766	4.74538	10.64699	1.1658501	0.029392	yes
Plxdc2	2:16277895-16677466	25.2014	56.3182	1.160097343	0.018097	yes
Ttc22	4:106295029-106312942	8.096	18.0575	1.157316975	0.001165	yes
Evpl	11:116081871-116099391	32.8922	73.2041	1.154178947	0.001165	yes
Ssx2ip	3:146067605-146259576	18.0871	40.2489	1.153988243	0.025293	yes
Bn1pl,Gm128	3:95040841-95055115	23.0346	51.2075	1.152552582	0.002986	yes
Cdkn1a	17:29227923-29237667	92.1768	204.417	1.149039591	0.00378	yes
Dok4	8:97381349-97400212	8.82146	19.5552	1.148462937	0.008436	yes
Lrrc1	9:77278629-77392677	28.7751	63.7847	1.148389465	0.002127	yes
Serp1nb3a	1:108942163-108948914	7.38739	16.375	1.148358258	0.00378	yes
Usp20	2:30837798-30879106	8.09016	17.9303	1.148159486	0.005933	yes
5430435G22Rik	1:133585271-133612038	10.34143	22.853	1.143947872	0.041723	yes
Osbpl1a	18:12913822-13100350	26.1761	57.6318	1.138614915	0.022749	yes
Sltm,U6	9:70359995-70440058	37.9201	83.449	1.137931993	0.009612	yes
Anxa1	19:20447917-20465434	746.072	1639.34	1.135728331	0.043526	yes
Klf12	14:100265413-100683898	2.12809	4.67462	1.135289927	0.001165	yes
Gm17678	1:135595884-135598458	1.707734	3.7493	1.134537992	0.02391	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Cab39l	14:60059817-60167743	26.1655	57.3613	1.132411893	0.002127	yes
Kctd1	18:15127050-15309955	15.0713	32.9965	1.130509139	0.009612	yes
Grhl3	4:135097208-135129549	27.5243	60.1931	1.128892245	0.001165	yes
Abhd5	9:122260725-122307919	40.1142	87.4656	1.124602694	0.009039	yes
Clcn3	8:63389185-63462097	13.9363	30.3844	1.124483218	0.001165	yes
Il15ra	2:11626805-11655774	6.3837	13.8494	1.117358716	0.040652	yes
Ephb6	6:41555480-41586404	20.8088	44.9976	1.112654285	0.047173	yes
Nudt13	14:21113911-21136797	8.16845	17.5817	1.105940322	0.005933	yes
Gjb5	4:127032052-127035425	8.00403	17.2082	1.104297718	0.002127	yes
Eif4ebp1	8:28370798-28425554	23.8753	51.2851	1.103020875	0.009039	yes
Rabepk	2:34633075-34655432	27.2812	58.4015	1.09809832	0.030265	yes
1600029D21Rik	9:50302629-50319401	98.2438	210.271	1.097811622	0.026908	yes
Ceacam19	7:20460142-20473328	5.72537	12.2517	1.097541111	0.001165	yes
Ptk2b	14:66772093-66899889	3.60424	7.71055	1.097138692	0.001165	yes
2210411K11Rik,Il11	7:4724009-4741269	8.9232	19.0317	1.092771354	0.017593	yes
Nuak2	1:134212702-134230065	5.06004	10.75897	1.088319275	0.005257	yes
Ablim1	19:57107222-57389409	41.0748	87.2885	1.087538045	0.040652	yes
Gm8116	9:78668444-78669647	11.1704	23.6694	1.083342287	0.010796	yes
Mvk	5:114894277-114910600	38.3292	81.0225	1.079878714	0.044278	yes
Asns	6:7625168-7643254	47.9574	101.145	1.076599653	0.02896	yes
Gm16516	11:60734418-60745369	2.46157	5.18657	1.075202	0.031478	yes
Herpud1	8:96901820-96919344	24.858	52.3741	1.075143322	0.006575	yes
Dlx5	6:6827804-6832085	6.46602	13.5892	1.071510652	0.026908	yes
Plau	14:21655883-21662610	28.9815	60.7288	1.067248595	0.001165	yes
Fut2	7:52903959-52921764	3.76761	7.8834	1.065168344	0.00378	yes
Serpib5	1:108757749-108779925	192.752	403.285	1.065053917	0.016161	yes
Nab1	1:52514024-52557523	54.0897	112.856	1.061057321	0.040373	yes
Dbi	1:122009856-122017655	796.953	1660.01	1.058625383	0.009612	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Lax1	1:135575605-135586685	2.25707	4.67246	1.049731151	0.007827	yes
Ephx3	17:32319372-32326892	8.08363	16.7291	1.049284639	0.007827	yes
Dhrs7	12:73751342-73765815	17.3447	35.8737	1.048431665	0.005933	yes
Cdkn3	14:47380152-47393877	14.0987	28.9551	1.038255337	0.025293	yes
Gltf	5:115119411-115140993	236.514	485.723	1.038208219	0.011885	yes
Mtm1	X:68463941-68568866	8.60426	17.648	1.036381671	0.002986	yes
Acsf5	19:55326389-55390522	54.0355	110.737	1.035157904	0.009039	yes
Dusp22	13:30751867-30803100	28.9125	59.2509	1.035143707	0.008436	yes
Fam162a	16:36043929-36071680	663.328	1356.92	1.032541336	0.019037	yes
Pof1b	X:109752038-109812301	43.0945	87.9601	1.029345489	0.002127	yes
Arl8a	1:137043400-137052925	25.5962	13.4449	-0.928870619	0.035504	yes
Capn2	1:184397390-184447655	13.5621	7.12318	-0.928987235	0.008436	yes
Rasl1b	5:74591314-74595507	9.36956	4.8922	-0.937497915	0.022319	yes
Galnt4	7:118615167-118923536	16.5009	8.61157	-0.938196526	0.005933	yes
Pcbp4	9:106356179-106368271	18.4953	9.62646	-0.942081432	0.01135	yes
Cnnt	1:181476500-181557697	12.4882	6.49975	-0.942109414	0.016577	yes
2010007H06Rik	9:51081632-51092277	2.35635	1.226048	-0.942538384	0.002127	yes
Mapk11	15:88972915-88980036	2.93031	1.520939	-0.946091004	0.009612	yes
Vwal	4:155135286-155150270	3.56771	1.849827	-0.947607998	0.025729	yes
Ric3	7:116154338-116226845	3.67168	1.902201	-0.948770629	0.030265	yes
Nfix	8:87223774-87324243	10.3341	5.35064	-0.949629379	0.03267	yes
0610040J01Rik	5:64203733-64290858	2.25924	1.167934	-0.951878787	0.025293	yes
Arfgap3	15:83130167-83180677	5.06941	2.61903	-0.952785265	0.01135	yes
Dnmt3b	2:153474425-153513473	4.98561	2.57364	-0.953959768	0.043154	yes
Slbp	5:33977600-33995223	102.804	53.0462	-0.954575088	0.013526	yes
Ifnar2,Il10rb,RP23-190G10.4.1	16:91373027-91426079	27.5571	14.2187	-0.954634506	0.038579	yes
Rcn2	9:55889651-55909689	34.4933	17.7861	-0.955565957	0.007827	yes
Fam64a	11:71855533-71860872	19.8385	10.22289	-0.956499845	0.028177	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Ntn3,Tbc1d24	17:24312375-24358675	3.1883 6	1.641994	-0.957365679	0.004 529	yes
Ckb	12:112907565-112910549	16.677	8.57833	-0.959091067	0.024 383	yes
Slc29a2	19:5024005-5031971	3.6370 3	1.865633	-0.963095613	0.012 97	yes
Scnn1g	7:128877992-128911989	2.6187 6	1.342694	-0.963753296	0.007 188	yes
Pygo1	9:72773451-72799988	2.9110 3	1.490738	-0.965502984	0.001 165	yes
Sh3pxd2a	19:47334632-47539010	14.647 9	7.47388	-0.970764542	0.001 165	yes
Adora2b	11:62062485-62079955	8.5515 9	4.35581	-0.97325166	0.028 177	yes
Clstn1	4:148960520-149023122	87.226 7	44.3622	-0.975438897	0.026 908	yes
Irak1bp1	9:82723412-82741295	4.1156	2.09069	-0.977123612	0.023 511	yes
Vps37d	5:135548769-135554136	3.2459 2	1.648448	-0.977519065	0.041 363	yes
Nfib	4:81936023-82351654	37.801	19.1293	-0.982640318	0.008 436	yes
Pax9	12:57790904-58298459	2.4354 4	1.229365	-0.986269124	0.005 257	yes
6330503K22Rik	7:125856065-125880538	6.5741 5	3.3119	-0.989145262	0.005 257	yes
Gpx8	13:113825586-113881343	44.218	22.2692	-0.989584041	0.024 842	yes
Slc25a10	11:120350719-120362608	17.489 8	8.79945	-0.991028534	0.011 35	yes
2010002N04Rik	18:60633846-60661637	17.250 9	8.67577	-0.991607919	0.014 625	yes
Nog	11:89161951-89163873	2.5137 9	1.263399	-0.992553798	0.022 319	yes
Thbs2	17:14802506-14831269	6.0729 1	3.05014	-0.993512526	0.001 165	yes
Lgals9	11:78776475-78798448	14.270 8	7.16113	-0.99480705	0.018 547	yes
Tnfrsf21	17:43153503-43226137	12.639 9	6.34062	-0.995289227	0.006 575	yes
Klhl24	16:20097626-20129294	10.343 86	5.17985	-0.997792429	0.002 986	yes
Vezf1	11:87881648-87898231	28.754 9	14.3552	-1.00223439	0.003 78	yes
Skp2	15:9041741-9070244	12.975 2	6.46324	-1.005427307	0.003 78	yes
Rpa2	4:132324246-132334667	32.314 2	16.0695	-1.007843235	0.025 293	yes
Prelp	1:135793772-135826500	2.5205 4	1.252246	-1.009214846	0.011 35	yes
Gsdmd	15:75692768-75697834	2.6982 9	1.339714	-1.010120362	0.017 113	yes
Wbp5	X:132779617-132781678	227.28 7	112.818	-1.010517903	0.005 257	yes
Marcks11	4:129190824-129193229	137.50 8	68.2404	-1.010817546	0.001 165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Fmnl3	15:99147655-99200913	7.25085	3.59666	-1.011492344	0.004529	yes
Ick	9:77956998-78019914	11.5889	5.74547	-1.012246814	0.019037	yes
Dock8	19:25074018-25277022	4.32146	2.13893	-1.014629539	0.001165	yes
4933439K11Rik	1:174451174-174493848	2.68844	1.327584	-1.017966127	0.005933	yes
Bahcc1	11:120094256-120153610	4.35799	2.14726	-1.021165996	0.024383	yes
Acpp	9:104190580-104240058	7.0007	3.44627	-1.02246345	0.004529	yes
4831426I19Rik	12:106166636-106248019	2.38827	1.169982	-1.029479612	0.001165	yes
Pdk2	11:94887571-94902668	5.13815	2.51427	-1.031109423	0.015661	yes
Dgkd	1:89749861-89841064	13.2161	6.46545	-1.031473817	0.002986	yes
Ryk	9:102737246-102810635	113.861	55.6858	-1.031892286	0.00378	yes
Zc3h7b	15:81575277-81626699	17.7076	8.6491	-1.033746767	0.001165	yes
Mdm1	10:117578842-117606104	7.81379	3.81492	-1.034369679	0.005257	yes
Mov10	3:104597721-104621481	3.39809	1.657947	-1.035326175	0.013526	yes
E130012A19Rik	11:97488698-97491036	9.85146	4.80464	-1.035909212	0.005933	yes
Zfp362	4:128450328-128483516	20.331	9.91171	-1.036475295	0.016161	yes
Spred1	2:116947109-117008100	17.6265	8.58849	-1.037269626	0.002986	yes
Rad51c	11:87190146-87218456	6.53643	3.18118	-1.038940889	0.018097	yes
Haus4	14:55160621-55173198	12.4253	6.0465	-1.039108496	0.012463	yes
Tgif1	17:71193455-71202886	100.0642	48.5459	-1.043504552	0.01297	yes
Fut8	12:78339054-78577325	4.97118	2.41159	-1.04360369	0.004529	yes
Fgfr1l	5:109123247-109135969	3.49667	1.695178	-1.044544878	0.006575	yes
Sema4c	1:36605480-36740028	17.2867	8.37621	-1.04529297	0.017593	yes
Ppm1m	9:106096502-106102077	7.73035	3.74496	-1.045583426	0.041363	yes
Anubl1	6:116214220-116280316	3.20017	1.549037	-1.046776942	0.001165	yes
Gm7677.Lzts1	8:71656572-71708125	2.80488	1.355768	-1.048828725	0.001165	yes
Arhgap8	15:84550481-84602676	2.76781	1.337493	-1.04921357	0.019539	yes
Pitx1	13:55926414-55937577	2.61742	1.262758	-1.051567261	0.010236	yes
Defb1	8:22887070-22905657	39.5019	19.0365	-1.053153794	0.010236	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Pola2	19:5940542-5964206	15.6898	7.56091	-1.053195175	0.002986	yes
Gm12892	4:121756167-121757313	7.58978	3.65695	-1.053417166	0.031478	yes
Gna12	5:141200080-141306385	17.6032	8.44078	-1.060389486	0.007827	yes
Coll1a1	11:94797537-94814356	49.3342	23.6398	-1.061370285	0.001165	yes
Nek8	11:77979572-77990177	6.32689	3.02289	-1.065568032	0.027309	yes
Hat1	2:71227014-71279679	98.7505	47.1676	-1.065991858	0.005933	yes
3110099E03Rik	2:115319248-115353661	2.56207	1.220343	-1.070023192	0.022749	yes
H2afv	11:6327228-6344446	161.712	76.9923	-1.070640665	0.01135	yes
Wdr6	9:108472222-108481070	18.119	8.62407	-1.071062541	0.014093	yes
BC067074	13:114107291-114169919	3.52134	1.673647	-1.073129261	0.007827	yes
Nudt14	12:114172825-114180371	44.799	21.2809	-1.073907363	0.01297	yes
Zfp219	14:52604507-52640408	22.0013	10.43496	-1.076163701	0.004529	yes
Lrp4	2:91297667-91354058	24.7036	11.71	-1.076980222	0.002127	yes
5930434B04Rik	2:26865445-26876616	20.5898	9.7594	-1.077065456	0.025729	yes
Inpp11	7:108966826-108986776	9.31988	4.41489	-1.077933887	0.001165	yes
Hspb8	5:116858499-116872873	53.073	25.1026	-1.080141302	0.005933	yes
Zfp275	X:70587958-70604419	5.07004	2.39483	-1.082073881	0.001165	yes
Gm9833	3:10088172-10092564	12.6743	5.98627	-1.082176814	0.007827	yes
Odc1	12:17551678-17558308	16.6467	7.85904	-1.08281121	0.002986	yes
Gm9844	7:25647220-25647696	137.071	64.5683	-1.086025425	0.006575	yes
Chsy1	7:73254400-73318675	10.495	4.93768	-1.08779692	0.001165	yes
Snaip	18:52927362-53075585	3.26163	1.533467	-1.088796011	0.001165	yes
1810014F10Rik	7:147279293-147288340	33.2128	15.5907	-1.09105365	0.025729	yes
Rnf122	8:32222291-32243221	5.11817	2.3942	-1.096084394	0.002986	yes
Susd4	1:184693990-184826729	6.70241	3.13329	-1.097001638	0.005257	yes
Gpr161	1:167232755-167256878	5.37547	2.51146	-1.097864604	0.001165	yes
Bmp7	2:172693512-172766087	88.0714	41.06	-1.100939972	0.002127	yes
Chst2	9:95301347-95307689	3.45876	1.608299	-1.104719266	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Usp11	X:20281031-20297665	9.91586	4.60969	-1.105068169	0.006575	yes
Tes	6:17008805-17121833	37.2907	17.3286	-1.105660777	0.009612	yes
Sh3rf1	8:63702668-63874869	6.40922	2.97734	-1.106124811	0.002127	yes
Phldb2	16:45746242-46010331	6.08962	2.82788	-1.106631304	0.035114	yes
Rab34	11:78001931-78005695	70.9092	32.915	-1.107227622	0.007827	yes
Chpt1	10:87915489-87966818	17.2785	8.01306	-1.108552794	0.010236	yes
Brcal	11:101350063-101413269	6.99492	3.2331	-1.113389427	0.001165	yes
Ugdh	5:65804410-65827185	46.9829	21.708	-1.113908952	0.038959	yes
Rrm2	12:25393105-25399011	59.135	27.2473	-1.117898989	0.002986	yes
Igf1r	7:75096799-75378549	4.71896	2.17429	-1.117924567	0.001165	yes
Gml1223	4:69586234-69587205	164.585	75.7768	-1.119004735	0.002127	yes
Mapk4	18:74088139-74225238	2.3811	1.095132	-1.120523965	0.001165	yes
Leprel2	6:124791106-124807770	5.55719	2.55543	-1.120789494	0.015661	yes
Kitl	10:99478263-99563047	22.494	10.33846	-1.121518931	0.017113	yes
Bex1	X:132748510-132760639	14.1042	6.47954	-1.122161537	0.0374	yes
Six2	17:86083607-86087614	2.53598	1.162604	-1.12518359	0.013526	yes
Tuba1a	15:98780271-98783982	27.1304	12.4306	-1.126014384	0.014625	yes
Dhfr	13:92981835-93159008	9.98277	4.56493	-1.12884745	0.018097	yes
Myef2	2:124893859-124949397	24.4754	11.191	-1.12899348	0.002127	yes
Tubb5	17:35970870-35975251	516.794	235.939	-1.131175409	0.016577	yes
Slc27a3	3:90189160-90193860	15.9558	7.27772	-1.132522493	0.022319	yes
Rbm43	2:51779966-51790683	4.59517	2.09411	-1.133781009	0.007827	yes
Spon2	5:33556166-33560887	3.05013	1.389947	-1.133840861	0.007827	yes
Stxbp4	11:90337805-90499398	5.35502	2.43771	-1.135365456	0.005933	yes
Tox	4:6613499-6918704	4.24558	1.925647	-1.140618398	0.002127	yes
Prkd3	17:79348744-79420235	17.7159	8.02979	-1.141610596	0.001165	yes
Rbbp8	18:11791784-11901716	37.7623	17.1149	-1.141693775	0.001165	yes
Rfc3	5:152445330-152453817	35.4205	16.05	-1.14201128	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Traf3	12:112398060-112505364	11.5226	5.21599	-1.14345328	0.009039	yes
Dmwd	7:19661597-19668211	14.4422	6.53277	-1.144523774	0.044278	yes
Krt71	15:101564380-101573540	2.58572	1.16755	-1.147081724	0.007827	yes
Mcm10	2:4910759-4933837	11.4694	5.17421	-1.148379408	0.018547	yes
Tox3	8:92770938-92872242	3.53194	1.592896	-1.148808758	0.00378	yes
Dap	15:31154139-31209306	17.6607	7.96162	-1.149408607	0.009612	yes
Casp3	8:47702753-47725046	27.5756	12.4282	-1.149774914	0.001165	yes
Ctfl	7:134856249-134869130	12.7399	5.719	-1.155519143	0.010236	yes
Ttc7b	12:101538980-101759032	5.22911	2.34149	-1.159138543	0.005933	yes
Mybl2	2:162880368-162910424	10.36604	4.63546	-1.161080449	0.042065	yes
Pcdh18	3:49547217-49561239	6.1859	2.76551	-1.161437952	0.001165	yes
Pou6f1	15:100405748-100430445	7.63251	3.40947	-1.162610084	0.030265	yes
Bmp1	14:70874363-70920373	29.1661	13.0276	-1.162721157	0.008436	yes
Kctd17	15:78258993-78269663	9.52988	4.24449	-1.166866832	0.009039	yes
Hoxc8	15:102797226-102847860	7.65153	3.40726	-1.167136218	0.02391	yes
Gm6977	X:87989884-87990401	121.179	53.9163	-1.168346305	0.002986	yes
Steap4	5:7960471-7982213	4.8033	2.13278	-1.171290761	0.001165	yes
Rfc2	5:135058559-135074198	54.3845	24.1388	-1.171841573	0.001165	yes
2010300C02Rik	1:37668519-37776930	13.4442	5.96399	-1.172634166	0.001165	yes
Dzip1	14:119274741-119324681	5.50589	2.44153	-1.173190282	0.004529	yes
Wnt10b	15:98601140-98608622	73.3247	32.5045	-1.173659801	0.002127	yes
Cerk	15:85969401-86017582	12.2358	5.42344	-1.173828306	0.001165	yes
Caskin2	11:115626746-115674953	11.0531	4.89714	-1.174439705	0.038579	yes
1700017B05Rik	9:57100119-57110406	6.29689	2.78912	-1.174829459	0.007188	yes
Wbp1	6:83069037-83071553	51.0909	22.5734	-1.178442617	0.016577	yes
Dcxr	11:120585873-120588618	23.1282	10.21486	-1.178983558	0.007827	yes
Krtcap3	5:31554063-31555575	20.5732	9.07914	-1.180138658	0.039267	yes
Armxc2	X:131338683-131343760	12.9314	5.70636	-1.180235804	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Rgs2	1:145846452-145851291	39.718	17.4666	-1.185194173	0.023511	yes
Tmem176a	6:48791481-48797063	30.7817	13.5144	-1.187575449	0.00378	yes
Brsk1	7:4642205-4676851	3.12344	1.370155	-1.188796708	0.001165	yes
Dlx3	11:94981402-94986610	6.39551	2.80393	-1.189609076	0.002986	yes
Specc1	11:61770280-62036515	4.67805	2.04991	-1.190346711	0.001165	yes
Hunk	16:90386179-90499798	12.0939	5.29598	-1.191309976	0.001165	yes
1200009I06Rik	12:112655227-112669393	2.77486	1.214329	-1.192255639	0.001165	yes
Camk1g	1:195172539-195196491	3.49687	1.528722	-1.193738089	0.01135	yes
Zdhhc8	16:18220818-18235229	7.0724	3.0894	-1.194873197	0.001165	yes
2410066E13Rik	6:54631733-54653845	4.49909	1.96214	-1.197205244	0.001165	yes
Zfp503	14:22803183-22808823	20.8514	9.08506	-1.198576305	0.001165	yes
Mcm4	16:15623989-15637493	63.37	27.5929	-1.199502924	0.001165	yes
Smo	6:29685499-29711365	27.1244	11.7832	-1.202859836	0.001165	yes
Pcgf2	11:97550136-97561811	23.502	10.20818	-1.203057861	0.005257	yes
Trerf1	17:47277874-47498916	4.4093	1.914858	-1.203312228	0.001165	yes
Sepn1	4:134093806-134108081	9.49674	4.12298	-1.203744893	0.001165	yes
Slfn9	11:82791456-82805332	9.57839	4.15707	-1.204216137	0.001165	yes
Evl	12:109609166-109940516	75.7346	32.8668	-1.20432156	0.009612	yes
Lig1	7:13844315-13896782	67.1926	29.1471	-1.204950007	0.016577	yes
Dab2ip	2:35410368-35586514	25.687	11.13	-1.206584814	0.021852	yes
Mcm6	1:130228167-130256233	76.3307	32.9276	-1.21296606	0.001165	yes
Muc19,Smgc	15:91668695-91733595	5.79919	2.50111	-1.213282897	0.021345	yes
Gabbr1	17:37182910-37212040	6.29234	2.71249	-1.213978809	0.032255	yes
Heph	X:93501516-93770191	10.22931	4.40772	-1.214604349	0.001165	yes
Mex3b	7:90015842-90020073	4.47776	1.924647	-1.218183339	0.001165	yes
Cdr2l	11:115243229-115257446	4.42706	1.895429	-1.22382451	0.001165	yes
Tmem231	8:114435917-114457691	5.50749	2.34971	-1.228912259	0.001165	yes
Gins1	2:150731135-150757016	27.8612	11.8591	-1.232262871	0.022749	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Fam132a	4:155336426-155340738	41.034 4	17.4608	-1.232714198	0.026 037	yes
Krtap13	16:88750991-88760040	16.634 4	7.06786	-1.234824461	0.010 236	yes
Ankrd6	4:32890983-33037816	3.9959 2	1.694932	-1.237300306	0.003 78	yes
St3gal3	4:117604758-117807519	6.384	2.69425	-1.244576927	0.002 986	yes
Zfp3612	17:84583270-84587287	72.337 1	30.4964	-1.246096814	0.001 165	yes
Wdr62	7:31025137-31075256	4.7424 1	1.996838	-1.247903101	0.043 915	yes
Gga2	7:129130235-129164736	25.863 8	10.88342	-1.248802277	0.003 78	yes
Tmem64	4:15192977-15213900	10.704 81	4.50191	-1.249650069	0.001 165	yes
Actn1	12:81268528-81361358	33.247 5	13.9724	-1.250666014	0.001 165	yes
Rrad	8:107151965-107155221	4.8280 3	2.01714	-1.259123423	0.008 436	yes
Fry	5:150921241-151300327	3.8371	1.598328	-1.263452863	0.001 165	yes
Fam115a	6:42618000-42660071	6.7958 3	2.82366	-1.267083381	0.024 842	yes
Wls	3:159502700-159598797	149.02	61.84	-1.268893744	0.001 165	yes
Smad6	9:63800882-63869866	3.8211 8	1.585449	-1.269126748	0.013 526	yes
Fzd2	11:102465744-102469372	11.138	4.61838	-1.27003141	0.001 165	yes
Tfap2b	1:19198994-19228911	35.925 9	14.8741	-1.272221922	0.001 165	yes
Lamc1	1:155065968-155179916	40.573 2	16.7965	-1.272366452	0.043 915	yes
Parva	7:119571018-119735206	23.096 7	9.53562	-1.276288088	0.007 827	yes
Dscc1	15:54907653-54922046	9.4204 3	3.87526	-1.281499807	0.002 986	yes
Timeless	10:127662893-127689997	15.994 3	6.56604	-1.28446241	0.026 037	yes
Irx4	13:73397944-73407068	44.39	18.1695	-1.28871599	0.001 165	yes
Dtl	1:193361243-193399413	19.224 8	7.84431	-1.293250134	0.001 165	yes
Ankrd10	8:11611579-11635754	41.400 4	16.8286	-1.298729545	0.001 165	yes
Cdk18	1:134010126-134036262	3.3313 5	1.353199	-1.299732919	0.001 165	yes
Nbl1	4:138638135-138648908	9.7045 9	3.93856	-1.300999009	0.007 827	yes
Atp10a	7:65913571-66085026	3.5424 1	1.43612	-1.302554896	0.001 165	yes
Apoe	7:20281457-20284515	120.06 5	48.631	-1.303867491	0.001 165	yes
Tnfr1	11:54724288-54776419	17.210 4	6.95852	-1.30642823	0.003 78	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Ifngr2	16:91547316-91565414	24.5535	9.92724	-1.306464113	0.007188	yes
Fam189b	3:88986989-88993217	7.60843	3.07102	-1.308880876	0.040652	yes
Mcm3	1:20793054-20810359	45.3421	18.2768	-1.310837713	0.001165	yes
Hdgrp3	7:89003886-89079359	3.89286	1.560884	-1.318467137	0.001165	yes
Mtap1s	8:73429872-73441425	3.89274	1.56006	-1.319184473	0.001165	yes
Ppic	18:53565986-53577705	120.047	48.0428	-1.32120721	0.001165	yes
Sema3c	5:17080098-17236086	15.5973	6.23033	-1.323915825	0.004529	yes
Gm13219	2:9274057-9369303	9.58823	3.82891	-1.324330767	0.016161	yes
Ncoa7	10:30356341-30522913	6.55222	2.6149	-1.325228023	0.024383	yes
Ier5l	2:30326972-30329728	18.975	7.56974	-1.325784232	0.001165	yes
Gm20489,Gm614,Il2rg	X:98456714-98464362	11.7126	4.66621	-1.327738224	0.010236	yes
Epb4.1l2	10:25079603-25243320	12.1636	4.84409	-1.328272705	0.001165	yes
Zfp428	7:25292021-25300701	8.06927	3.20733	-1.331065364	0.008436	yes
Lrig1	6:94450307-94650152	54.2561	21.559	-1.331495087	0.002127	yes
Mcm5	8:77633426-77652338	70.7236	28.0853	-1.3323765	0.001165	yes
Npr3	15:11769649-11835935	6.8305	2.70589	-1.335887997	0.001165	yes
9830001H06Rik	2:156836194-156905186	5.39813	2.13761	-1.336461059	0.039684	yes
P4ha1	10:58786033-58836052	29.7488	11.7781	-1.336724647	0.001165	yes
Fkbp9	6:56782052-56829352	44.4233	17.5412	-1.340569121	0.001165	yes
Il23a	10:127733195-127738992	9.59182	3.78385	-1.341949687	0.005257	yes
A130022J15Rik	6:97059928-97100246	26.9312	10.58388	-1.347409905	0.041723	yes
Cd276	9:58372104-58403636	5.05914	1.98741	-1.348002634	0.002986	yes
Dcpp1,Dcpp2,Dcpp3	17:24017842-24056408	5.93545	2.32627	-1.351338859	0.043915	yes
8430427H17Rik	2:153233197-153355707	3.90226	1.528762	-1.351946082	0.001165	yes
Tbcd1	5:64550689-64742781	12.5654	4.91937	-1.352911124	0.028177	yes
Slc12a7	13:73870541-73954191	4.27298	1.671677	-1.353946446	0.001165	yes
H2afy3	15:61869478-62209651	5.27528	2.0636	-1.354084319	0.041363	yes
Ccdc68	18:70085079-70129263	5.71202	2.23334	-1.354798129	0.002986	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Mylip	13:45485110-45507388	10.36976	4.05369	-1.355074834	0.001165	yes
Dlg5	14:24953063-25065142	17.1161	6.67876	-1.357701836	0.018547	yes
Itm2c	1:87790855-87805278	43.9803	17.1251	-1.360745033	0.001165	yes
Cdca7	2:72314215-72324950	43.6187	16.9804	-1.361076329	0.001165	yes
Itga6	2:71583672-71696559	107.712	41.787	-1.366052894	0.001165	yes
Rnf144a	12:26991661-27100121	6.26683	2.42297	-1.370959316	0.001165	yes
Gm16380	9:53731888-53732368	31.2424	12.0665	-1.372498014	0.009039	yes
Itgb1	8:131209553-131257987	90.7736	35.046	-1.373022984	0.002127	yes
Samd5	10:9342743-9395035	10.99654	4.24394	-1.373573494	0.001165	yes
Siva1	12:113883038-113887363	74.7804	28.8215	-1.375514766	0.001165	yes
Znrf1	8:114059996-114154274	33.7396	12.9935	-1.376652775	0.012463	yes
Dusp9	X:70884757-70888853	6.4986	2.48613	-1.386227213	0.001165	yes
Plxnb1	9:108996357-109023197	23.4247	8.95119	-1.387879175	0.007188	yes
Mcm2	6:88830461-88848774	47.1365	17.9275	-1.394670321	0.001165	yes
Sorbs3	14:70580274-70617466	6.1474	2.33452	-1.396850413	0.002127	yes
1700028N14Rik,Map3k14	11:103080948-103129059	4.25202	1.612325	-1.399005802	0.00378	yes
Arhgdib	6:136872043-136890420	94.9475	35.9768	-1.400063144	0.001165	yes
Rabl2	15:89412955-89422354	31.4397	11.8783	-1.404259076	0.035114	yes
Trp53i11	2:93027704-93174663	23.6028	8.91457	-1.404720901	0.001165	yes
Trim35	14:66914170-66930261	17.2262	6.48151	-1.410202624	0.001165	yes
Slc6a6	6:91634060-91709057	10.28093	3.86691	-1.410717683	0.001165	yes
Marveld1	19:42221889-42226185	19.2123	7.21988	-1.411983478	0.001165	yes
Igsf5,Pcp4	16:96583274-96747400	2.80026	1.051478	-1.413142258	0.014093	yes
Galnt12	4:47104780-47135942	3.77151	1.413445	-1.415926505	0.001165	yes
Klf15	6:90412569-90425232	5.74622	2.15055	-1.417907555	0.001165	yes
Rras	7:52273347-52277016	14.9818	5.60694	-1.417925431	0.002127	yes
Lrp3	7:35971403-36000389	5.5312	2.07	-1.417961741	0.001165	yes
Traf4	11:77908161-77979091	27.536	10.29948	-1.418747502	0.002127	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Txnrd1	10:82296695-82360477	45.9619	17.1881	-1.419028362	0.001165	yes
E130303B06Rik	8:108227549-108232122	10.3824	3.88068	-1.419758597	0.001165	yes
S100a6	3:90416815-90418339	65.0516	24.3009	-1.420574796	0.007188	yes
Wnt3	11:103635421-103679331	43.0873	16.081	-1.421905573	0.001165	yes
Bex2	X:132601102-132602915	10.51037	3.90921	-1.426864465	0.002986	yes
Hpcal1	12:17697601-17798736	14.4961	5.38948	-1.427446825	0.001165	yes
Txndc16	14:45753107-45900905	6.61377	2.45264	-1.431137386	0.001165	yes
Rsu1	2:12998593-13193058	27.3572	10.13896	-1.432010902	0.007188	yes
Slc35d1	4:102843253-102887769	7.83877	2.90202	-1.433569833	0.002127	yes
Inf2	12:113826994-113853771	7.45505	2.75987	-1.433617716	0.001165	yes
Phyh	2:4840064-4859776	9.47225	3.50421	-1.434617923	0.001165	yes
Lasp1	11:97660313-97700078	40.0397	14.8028	-1.435561072	0.001165	yes
Scmh1	4:120077885-120202804	20.9315	7.70641	-1.441544854	0.017113	yes
Gylt1b	2:92205202-92221374	63.2806	23.2634	-1.443701313	0.007827	yes
Fas	19:34365148-34402260	3.9768	1.45875	-1.446875352	0.006575	yes
Capns1	7:30971960-30980183	162.44	59.5437	-1.447886155	0.001165	yes
Spred2	11:19824103-19924031	26.7757	9.80915	-1.44872426	0.001165	yes
Abr	11:76230203-76435816	62.9187	23.0214	-1.450513292	0.001165	yes
Flywch2	17:23908807-23923048	14.0954	5.15552	-1.451034565	0.005933	yes
Jub	14:55186264-55196420	49.805	18.1892	-1.453208492	0.001165	yes
Myo1b	1:51806608-51972915	21.888	7.9581	-1.459644202	0.00378	yes
Tgif2	2:156665812-156688681	28.5966	10.38863	-1.460838216	0.001165	yes
Arhgef3	14:27927691-28217194	15.249	5.53942	-1.460907803	0.010236	yes
Nuak1	10:83833644-83903406	5.66627	2.0583	-1.460946076	0.002127	yes
Pskh1	8:108424340-108455678	13.1421	4.76395	-1.463965648	0.001165	yes
Uhrf1	17:56442743-56462910	72.717	26.314	-1.466462111	0.002127	yes
Sertad4	1:194670624-194682660	15.2218	5.50531	-1.467243261	0.001165	yes
Relb	7:20191565-20214787	12.8838	4.65736	-1.467973863	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Fam101b	11:75832695-75841284	16.790 2	6.05265	-1.471980582	0.001 165	yes
Cox6b2	7:4703321-4704696	20.073 3	7.23274	-1.472663615	0.011 885	yes
Fads2	19:10137171-10176219	4.3396 1	1.563524	-1.472764029	0.001 165	yes
Efemp1	11:28753203-28826743	19.202 4	6.90336	-1.475916011	0.001 165	yes
Tst	15:78229694-78236820	28.398 6	10.2079	-1.476133708	0.001 165	yes
Cav1	6:17147750-17335604	158.46 3	56.9189	-1.477166334	0.022 319	yes
Tspan6	X:130425606-130432968	29.689 9	10.65967	-1.477809458	0.002 986	yes
Mir1907,Trps1	15:50486260-50721592	4.5633 3	1.630374	-1.484884037	0.001 165	yes
Gm4875	6:117947224-117948010	18.101 3	6.46673	-1.484985031	0.001 165	yes
Fbxo32	15:58007432-58155724	4.7350 6	1.690057	-1.486310802	0.001 165	yes
Angptl2	2:32988940-33227006	5.5119 9	1.959756	-1.491899228	0.008 436	yes
Pkmyt1	17:23863302-23877819	17.750 9	6.30688	-1.492893785	0.002 986	yes
Mpdz	4:80924292-81088795	23.572 3	8.31157	-1.503899609	0.022 319	yes
Trim32	4:65041836-66065645	5.9820 3	2.10597	-1.506150261	0.002 127	yes
Snai2	16:14705944-14709488	39.929	14.0507	-1.506794934	0.001 165	yes
Spry2	14:106291165-106296036	31.366	11.0099	-1.510400194	0.001 165	yes
Tgfb1	7:26472020-26490096	13.355 6	4.67511	-1.514372575	0.005 257	yes
Tpbp	9:85713847-85740662	24.056 3	8.4085	-1.5164944	0.001 165	yes
Shf	2:122174627-122194898	11.818 1	4.12425	-1.518794419	0.041 363	yes
E2f1	2:154385142-154395628	13.387 8	4.66362	-1.521396759	0.001 165	yes
Dtymk	1:95689152-95698511	84.391 2	29.2612	-1.528103632	0.001 165	yes
Sema3a	5:13125592-13606019	11.371 4	3.93874	-1.529603792	0.008 436	yes
Lpgat1	1:193541712-193608134	16.524	5.721	-1.530223716	0.011 885	yes
Elmo1	13:20182487-20698397	6.2423 3	2.15757	-1.53267726	0.001 165	yes
Gm5648	X:118448596-118450183	20.755	7.07274	-1.553117799	0.001 165	yes
Gli3	13:15555052-15821859	5.2653 7	1.79426	-1.553145952	0.001 165	yes
Dbc1	4:68422486-68615431	15.363 9	5.23545	-1.553159028	0.001 165	yes
Trim47,Trim65	11:115967065-115992442	13.278 6	4.52191	-1.554098864	0.006 575	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Fzd10	5:129106718-129109968	64.3335	21.8851	-1.555621203	0.001165	yes
6430527G18Rik	12:88221652-88225764	11.5089	3.91039	-1.557365544	0.001165	yes
Kcnip3	2:127282233-127347830	3.80158	1.288764	-1.560611051	0.001165	yes
Mark1	1:186720321-186823648	7.4179	2.50939	-1.563687727	0.001165	yes
Sox12	2:152219346-152223782	8.07241	2.72995	-1.564124923	0.001165	yes
Mir125a,Ncrna00085	17:17967682-17979973	8.48173	2.85769	-1.569509136	0.047173	yes
Rbms3	9:116481863-117539031	6.29873	2.12058	-1.57060206	0.001165	yes
Nradd	9:110523640-110526972	15.4533	5.19821	-1.571828131	0.001165	yes
2610019F03Rik	8:13952008-13975032	8.4677	2.83586	-1.578195772	0.001165	yes
Tjap1	17:46394805-46419977	14.598	4.88458	-1.579464303	0.001165	yes
Prkar2b	12:32643340-32746161	13.0795	4.37408	-1.580255879	0.001165	yes
Ptpre	7:142729487-142878178	6.34332	2.10835	-1.58912374	0.001165	yes
St5	7:116667424-116760661	13.8809	4.6135	-1.58916755	0.001165	yes
Mir702,Plod3	5:137458033-137472518	29.5962	9.83545	-1.589348987	0.030691	yes
Msi1	5:115879607-115905707	6.22396	2.0649	-1.591760873	0.01297	yes
Maged1	X:91780812-91787482	73.6593	24.4034	-1.593785522	0.001165	yes
Arhgef10	8:14911662-15001085	8.44997	2.79623	-1.595463187	0.001165	yes
Gm5514	19:22012568-22012874	93.2158	30.7774	-1.59870315	0.00378	yes
Lrch2	X:143904917-143988624	7.19068	2.3585	-1.608258607	0.002986	yes
Casp6	3:129604342-129617021	34.3269	11.2388	-1.610851573	0.001165	yes
Rac3	11:120582783-120585283	54.9051	17.9505	-1.612916134	0.001165	yes
Gm6377,Sh3bgrl	X:106290703-106395778	44.7573	14.5785	-1.618280721	0.001165	yes
Rragd	4:33069986-33109301	4.13482	1.341903	-1.623544137	0.001165	yes
Zkscan17	11:59298965-59340253	13.9479	4.52579	-1.623806377	0.001165	yes
Ldhb	6:142438768-142456477	56.5501	18.3228	-1.62588959	0.001165	yes
Vash2	1:192771325-192803175	6.03549	1.934322	-1.641642928	0.001165	yes
Antxr1	6:87083845-87285769	42.5203	13.5975	-1.64481035	0.001165	yes
F2r	13:96371758-96388414	16.6978	5.3058	-1.654015835	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Setbp1	18:78947118-79306130	6.25332	1.979615	-1.659402467	0.00165	yes
Gm7676	8:13896310-13896631	22.0876	6.97053	-1.663896407	0.044626	yes
Sept9	11:117060974-117223639	65.3448	20.5051	-1.672089655	0.00165	yes
Cacnb3	15:98462336-98474961	22.1033	6.92599	-1.674169569	0.00165	yes
Zbtb10	3:9250541-9290587	11.9337	3.73632	-1.675351489	0.00165	yes
Cib2	9:54381952-54408025	10.21047	3.196	-1.675709963	0.00165	yes
Itga2	13:115623232-115722293	6.90566	2.15837	-1.677837104	0.00165	yes
Dut	2:125072925-125084344	99.322	31.017	-1.679054159	0.00165	yes
Tnfrsf18	4:155397835-155405752	15.8911	4.96252	-1.679074171	0.005933	yes
Frem2	3:53317860-53461318	18.2097	5.68204	-1.680226262	0.00165	yes
Synpo	18:60752741-60819796	12.3306	3.84051	-1.682873191	0.019539	yes
Chaf1b	16:93884145-93906360	32.9317	10.20745	-1.689854488	0.00165	yes
Clip2	5:134965255-135028304	7.22675	2.23222	-1.694867766	0.00165	yes
Ltbp4	7:28090154-28122711	40.2762	12.3735	-1.702673931	0.002986	yes
Fads1	19:10257377-10271360	7.56004	2.30434	-1.714040269	0.00165	yes
Vsnl1	12:11332052-11443455	4.8322	1.471765	-1.715132836	0.00165	yes
Serpnb6a	13:34009786-34129016	84.4262	25.6846	-1.716787174	0.008436	yes
Kirrel	3:86882514-86978669	6.57785	1.999273	-1.718140625	0.00165	yes
Atic	1:71603723-71626205	50.0556	15.1681	-1.7224911	0.00165	yes
Tmem176b	6:48783809-48791373	97.1211	29.3694	-1.725470969	0.00165	yes
Ptpns	17:56551808-56615906	32.4757	9.81259	-1.726654736	0.00165	yes
Enox1	14:7756562-78121565	6.57212	1.983517	-1.72829806	0.00165	yes
Bcam	7:20341479-20360752	255.179	76.6352	-1.7354305	0.00165	yes
Ptn	6:36664839-36761361	105.195	31.5658	-1.736631914	0.00165	yes
B9d2	7:26465797-26471649	9.63153	2.86533	-1.749063689	0.00165	yes
1300014I06Rik	13:34719706-34744550	43.5677	12.9568	-1.7495495	0.002127	yes
Bmp2	2:133377894-133388628	22.9502	6.80151	-1.754579747	0.00165	yes
Sh3bp4	1:90966989-91051643	15.1348	4.48054	-1.756125087	0.028177	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Ctsl	13:64464521-64471614	158.191	46.492	-1.766613128	0.00165	yes
Serpnb6b	13:33057077-33070936	5.71495	1.675867	-1.769833218	0.00165	yes
Gm20398,Hoxc10,Hoxc5	15:102797226-102847860	6.57796	1.925483	-1.77241985	0.02896	yes
Plekhh2	17:84911210-85021482	6.38247	1.863761	-1.775897984	0.00165	yes
Lgr4	2:109757803-109854561	44.2419	12.8307	-1.785813463	0.00165	yes
Cnih2	19:5092870-5098418	12.7737	3.69593	-1.789167135	0.00165	yes
Tmem173	18:35893331-35900208	13.9628	4.02561	-1.794308962	0.00165	yes
Tmem184b	15:79189732-79233733	11.5232	3.30098	-1.803575107	0.00165	yes
Nck2	1:43502595-43627360	9.95629	2.84165	-1.808879381	0.00165	yes
Rhpn2	7:36119193-36181836	4.41766	1.254222	-1.816489657	0.045724	yes
Ntf5	7:52669064-52672548	6.33649	1.776118	-1.83495647	0.00165	yes
Cdk14	5:4803390-5420312	6.91515	1.935759	-1.836861196	0.00165	yes
Ifitm3	7:148195484-148196669	217.873	60.7054	-1.84359066	0.00165	yes
Sfrp1	8:24521973-24560104	13.6522	3.79738	-1.846057174	0.00165	yes
Mmp14	14:55050366-55062543	44.4746	12.3317	-1.850609932	0.00165	yes
Serpinh1	7:106493819-106501747	124.085	34.3951	-1.851053771	0.00165	yes
St6gal1	16:23175360-23360421	8.30321	2.29345	-1.856149731	0.005933	yes
Cd1d1	3:86799755-86803363	9.47925	2.61623	-1.85728354	0.00165	yes
Serinc2	4:129924420-129956449	10.37148	2.85227	-1.862439319	0.00165	yes
5730469M10Rik	14:41807010-41827077	110.962	30.1415	-1.880242576	0.00165	yes
Leprel	4:118905519-118921580	17.9795	4.87711	-1.882254484	0.00165	yes
Fam125b	2:33585472-33743466	12.5336	3.3894	-1.886699045	0.005933	yes
Plod1	4:147283861-147310876	13.9476	3.759	-1.891596075	0.00165	yes
Fhl1	X:53984898-54046523	22.3751	6.02658	-1.8924827	0.00165	yes
Mllt6	11:97524714-97546777	8.61938	2.30733	-1.901359742	0.00165	yes
Ctxn1	8:4257647-4259274	10.34637	2.75565	-1.908660125	0.00165	yes
Coll6a1	4:129701499-129776527	22.9454	6.08209	-1.915565887	0.00378	yes
Sox21	14:118632453-118660421	7.90578	2.09159	-1.918307731	0.00165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Pck2	14:56159102-56168854	11.7201	3.07781	-1.929008801	0.001165	yes
Tspan3	9:55983691-56008877	80.4356	20.9722	-1.939355956	0.001165	yes
Ankrd29	18:12410804-12464235	8.29258	2.14305	-1.952155515	0.001165	yes
Icam1	9:20820403-20843480	140.201	36.1864	-1.953977146	0.001165	yes
Slc2a4	11:69755936-69761690	7.63231	1.954647	-1.965211683	0.001165	yes
Slc12a4	8:108458232-108489986	28.1072	7.10492	-1.984049431	0.001165	yes
Ovol2	2:144130910-144158375	9.94717	2.50781	-1.987858084	0.001165	yes
Tnfrsf19	14:61582670-61665692	80.9398	20.3589	-1.99118967	0.001165	yes
Itgb4	11:115835978-115869728	44.8602	11.2442	-1.996255032	0.001165	yes
Cxcr7	1:92100554-92113326	22.9696	5.75139	-1.997743159	0.001165	yes
1110012J17Rik	17:66686321-66799110	5.66094	1.409002	-2.006367973	0.001165	yes
Bcar3	3:122122697-122233098	8.92277	2.21944	-2.007295945	0.001165	yes
Gpc4	X:49403554-49518483	22.2171	5.47109	-2.02177032	0.001165	yes
Gm4798	10:71167325-71168033	7.1535	1.735785	-2.043061022	0.009039	yes
Man2a2	7:87493916-87516218	11.3893	2.70996	-2.071335618	0.001165	yes
Flot2	11:77851432-77873936	13.2433	3.15069	-2.071522943	0.001165	yes
Phldb1	9:44481315-44543290	13.463	3.19426	-2.075446274	0.001165	yes
Lamb3	1:195128150-195170157	74.4017	17.6103	-2.078916099	0.001165	yes
Cbr2	11:120590802-120593428	93.8993	22.085	-2.088047571	0.001165	yes
Col17a1	19:47720827-47766592	175.389	40.9636	-2.098143854	0.001165	yes
Cdh3	8:109034790-109080808	52.6123	12.1062	-2.11965403	0.001165	yes
Ephx1	1:182906285-182951035	11.7419	2.63329	-2.156727558	0.001165	yes
Six5	7:19679942-19683898	10.64568	2.38463	-2.158430766	0.001165	yes
Sorl1	9:41772802-41932380	10.17705	2.25225	-2.17588055	0.001165	yes
Fjx1	2:102289524-102291949	15.8837	3.50151	-2.181497905	0.001165	yes
Klhdc8b	9:108349969-108357319	16.4685	3.53764	-2.218850008	0.001165	yes
Tmem132a	19:10914216-10944430	47.9923	10.26236	-2.225440414	0.001165	yes
Lmo1	7:116282080-116319085	256.348	54.4343	-2.235515732	0.001165	yes

Gene	Locus	E16 Basal	E16 E Spinous	Log2 Fold Change Adjusted	q_value	significant
Schip1	3:67868863-68430404	14.633 3	3.09938	-2.2392036	0.001 165	yes
Pla2g7	17:43705046-43749215	9.1123 8	1.90177	-2.260485134	0.001 165	yes
Lama5	2:179911077-179960564	90.076	18.701	-2.268027346	0.028 177	yes
Rhbdl3	11:80114387-80169487	8.0088 1	1.659761	-2.27061238	0.001 165	yes
Ntf3	6:126051430-126116762	10.980 2	2.24994	-2.286945899	0.001 165	yes
Lef1	3:130813215-130927274	32.794 4	6.55989	-2.321705952	0.001 165	yes
Hmga2	10:119798330-119913525	11.382	2.17066	-2.390548411	0.001 165	yes
Crim1	17:78599587-78817471	17.549 5	3.30889	-2.407010691	0.001 165	yes
Trp73	4:153430357-153514317	10.782 16	1.987206	-2.439832884	0.001 165	yes
Agrn	4:155539396-155571536	145.61 4	26.2381	-2.472413912	0.001 165	yes
Smoc2	17:14416512-14541797	159.51 2	28.4626	-2.486525601	0.001 165	yes
Fam65a,Mir1966	8:108117588-108146120	14.015 9	2.35274	-2.574650584	0.001 165	yes
Etv5	16:22381381-22439792	13.063 4	2.18281	-2.581271971	0.001 165	yes
Jag2	12:114145929-114168017	51.716 9	8.4615	-2.611650457	0.001 165	yes
Lamc2	1:154969784-155033577	70.831 2	11.4302	-2.631534337	0.001 165	yes
Tnf	17:35336325-35338952	28.237 9	4.49248	-2.652048816	0.001 165	yes
Npnt	3:132544706-132613255	23.261 6	3.62231	-2.682968409	0.001 165	yes
Lfng	5:141083294-141091510	17.179 6	2.60953	-2.718834553	0.001 165	yes
Ccnd2	6:127075177-127162429	85.012 4	12.7556	-2.736542527	0.001 165	yes
C1s,Gm5077	6:124462422-124587055	20.197 3	2.91559	-2.792302682	0.001 165	yes
Wnt6	1:74818465-74834016	67.868 7	9.22816	-2.878631456	0.001 165	yes
Cxcl14	13:56390007-56397912	550.59 4	73.6098	-2.903019132	0.001 165	yes
Pdgfa	5:139451949-139476530	89.142 3	11.4814	-2.956811615	0.001 165	yes
Ctnnal1	4:56823806-56878060	45.189 7	5.70856	-2.984795207	0.001 165	yes
Itga3	11:94905787-94938218	38.210 5	4.47106	-3.095280325	0.001 165	yes
Dkk4	8:23734514-23738008	13.124 1	1.50766	-3.121835471	0.001 165	yes

Table of Screen results for Control TGF fl/fl control animals

cloneId	cloneName	NCBI_geneId	symbol	Screenrepliate0	Screenrepliate1	Screenrepliate2	Screenrepliate3	Average Log2 Fold Change relative to shScr
TRCN000004691	NM_008562.2-2992s1c1	17210	Mcl1	2.347481564	1.368778405	0.149902728	3.408274367	-1.743657902
TRCN000004692	NM_008562.2-842s1c1	17210	Mcl1	2.105042609	0.342077753	4.669344304	4.450128023	-2.891648172
TRCN000004693	NM_008562.2-803s1c1	17210	Mcl1	3.145095229	0.259359245	3.783531197	3.832564557	-2.625457935
TRCN000004694	NM_008562.2-1049s1c1	17210	Mcl1	1.595326653	1.368778405	3.264553494	6.082135616	-3.077698542
TRCN000004695	NM_008562.2-735s1c1	17210	Mcl1	0.398850915	1.126191383	4.254364156	1.196021578	-1.544431551
TRCN000008463	NM_007597.2-2011s1c1	12330	Canx	0.399699587	1.033761557	3.548961784	2.730033213	-1.928114035
TRCN000008464	NM_007597.2-634s1c1	12330	Canx	0.474021188	0.960892541	4.004348301	3.408274367	-2.211884099
TRCN000008466	NM_007597.2-709s1c1	12330	Canx	0.546725131	1.277453588	4.081941254	1.297031584	-1.152272097
TRCN000008467	NM_007597.2-185s1c1	12330	Canx	-1.53541645	-1.85109597	5.726891501	0.729821679	-2.4608064
TRCN000008513	XM_207062.2-1071s1c1	193740	Hspa1a	0.019400223	1.277453588	3.835395535	1.497210427	-1.647664832
TRCN000008514	XM_207062.2-369s1c1	193740	Hspa1a	1.541609305	1.508335454	2.843861717	2.964548244	-0.689616301
TRCN000008515	XM_207062.2-1626s1c1	193740	Hspa1a	0.019400223	1.368778405	3.889194127	3.244727276	-2.120824896
TRCN000008535	NM_021422.2-1439s1c1	58233	Dnaja4	1.891330971	1.368778405	3.835395535	3.408274367	-2.62594482
TRCN000008536	NM_021422.2-317s1c1	58233	Dnaja4	1.626695552	1.140185313	1.122838198	4.910274959	-2.199998506
TRCN000008537	NM_021422.2-886s1c1	58233	Dnaja4	1.083437513	1.384799527	-3.27803434	6.090768774	-2.959260039
TRCN000008538	NM_021422.2-461s1c1	58233	Dnaja4	0.954805068	1.368778405	3.976142337	2.437199656	-2.184231367
TRCN000008539	NM_021422.2-987s1c1	58233	Dnaja4	1.07834733	4.725914419	1.451629905	2.625676874	-1.931218467
TRCN000009539	NM_019794.1-1671s1c1	56445	Dnaja2	1.524648085	5.921228286	3.258509414	5.267528961	0.596890164
TRCN000009540	NM_019794.1-119s1c1	56445	Dnaja2	1.343273478	3.454412651	2.557818207	0.556608817	-1.69972388
TRCN000009541	NM_019794.1-896s1c1	56445	Dnaja2	1.96599054	0.232908392	3.325455642	1.748041318	-0.835103703
TRCN000009542	NM_019794.1-212s1c1	56445	Dnaja2	0.02247732	1.19156721	3.92234374	0.138106657	-1.249570408

				4	9	5		
TRCN00000 09543	NM_019794. 1-977s1c1	56445	Dnaja2	1.49090051 3	1.19156721 9	3.83539553 5	1.75887980 4	-1.189745866
TRCN00000 09564	NM_020266. 1-933s1c1	56812	Dnajb10	0.68954579 4	1.11050781 4	4.37417060 8	2.05875126 8	-2.058243871
TRCN00000 09565	NM_020266. 1-160s1c1	56812	Dnajb10	0.01940022 3	1.36877840 5	4.13573984 7	3.83375501 9	-2.329718262
TRCN00000 09566	NM_020266. 1-214s1c1	56812	Dnajb10	0.17141156 4	1.27745358 8	3.88919412 7	3.40827436 7	-2.10087763
TRCN00000 09567	NM_020266. 1-456s1c1	56812	Dnajb10	0.70887150 1	1.07082054 8	4.30442851 1	2.27052466 9	-1.734225557
TRCN00000 09601	NM_009263. 1-1178s1c1	20750	Spp1	0.31749657 7	1.19156721 9	3.87047940 7	4.84738670 7	-2.556732478
TRCN00000 09602	NM_009263. 1-678s1c1	20750	Spp1	0.52571808 9	-0.48162403	4.00434830 1	0.58128751 3	-1.107600727
TRCN00000 09603	NM_009263. 1-1027s1c1	20750	Spp1	0.30870908 4	0.58735289 9	2.92102896 9	2.46608174 6	1.122762183
TRCN00000 09604	NM_009263. 1-272s1c1	20750	Spp1	0.64689511 2	1.36877840 5	3.78353119 7	2.19389277 7	-1.674826817
TRCN00000 09605	NM_009263. 1-536s1c1	20750	Spp1	0.25313129 1	1.36877840 5	3.59379665 9	1.54400859 5	-1.563363092
TRCN00000 09625	NM_153403. 1-1306s1c1	236511	Eif2c1	1.68260199 2	0.67502304 8	3.33926672 9	-2.54660752	-2.060874822
TRCN00000 09626	NM_153403. 1-2146s1c1	236511	Eif2c1	1.82894529 6	1.27745358 8	3.83539553 5	-3.09784689	-2.509910327
TRCN00000 09628	NM_153403. 1-142s1c1	236511	Eif2c1	4.04782076 7	3.15618089 2	6.47199176 5	1.67962649 1	-1.421001287
TRCN00000 09629	NM_153403. 1-2221s1c1	236511	Eif2c1	0.40118319 6	1.36877840 5	2.51868383 3	1.17028444 1	0.680343266
TRCN00000 09692	NM_009754. 1-35s1c1	12125	Bcl2l11	0.45267363 3	1.03376155 7	-1.06562895	0.14627807 5	-0.674585554
TRCN00000 09693	NM_009754. 1-139s1c1	12125	Bcl2l11	1.93856863	1.27745358 8	4.97245848 5	-1.92255741	-1.558475213
TRCN00000 09694	NM_009754. 1-165s1c1	12125	Bcl2l11	-1.64792351	1.36877840 5	3.73346684 1	2.96454824 4	-2.42867925
TRCN00000 09695	NM_009754. 1-123s1c1	12125	Bcl2l11	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 09706	NM_021451. 1-968s1c1	58801	Pmaip1	0.19195938 2	1.19156721 9	-4.15916411	2.52836256 1	-1.921783627
TRCN00000 09707	NM_021451. 1-444s1c1	58801	Pmaip1	1.06756582 8	0.70144729 1	1.95272144 5	3.83144803 1	-0.378152012
TRCN00000 09749	NM_028133. 1-1683s1c1	112407	Egln3	0.06190786 8	1.27745358 8	3.88919412 7	3.40827436 7	-2.128253554
TRCN00000 09750	NM_028133. 1-618s1c1	112407	Egln3	0.00362883 1	1.19156721 9	3.87047940 7	0.16745139 7	-1.2227416

TRCN00000 09751	NM_028133. 1-799s1c1	112407	Egln3	0.71010640 6	1.36877840 5	3.00515761 3	-0.43702698	-1.025214148
TRCN00000 09752	NM_028133. 1-912s1c1	112407	Egln3	0.22778958 6	0.33627651 5	0.90787386 7	1.39188927 2	0.093882119
TRCN00000 11803	NM_020266. 1-748s1c1	56812	Dnajb10	1.15568698 5	-0.48162403	4.05814689 3	6.22389558 1	-2.979838372
TRCN00000 11816	NM_021451. 1-397s1c1	58801	Pmaip1	1.14897438 1	1.36877840 5	3.88919412 7	-3.09784689	-2.376198451
TRCN00000 11893	NM_010634. 1-592s1c1	16592	Fabp5	2.09500484 6	3.09928938 1	5.50861064 4	-2.17352197	-0.621959597
TRCN00000 11894	NM_010634. 1-166s1c1	16592	Fabp5	-0.92850771	1.36877840 5	2.08824107 4	2.96454824 4	-0.793398321
TRCN00000 11895	NM_010634. 1-149s1c1	16592	Fabp5	3.20396080 2	0.61118905	3.43038194 8	3.13106133 4	2.594148284
TRCN00000 11897	NM_010634. 1-92s1c1	16592	Fabp5	5.18784882 1	1.36877840 5	0.79137619 2	3.40827436 7	-0.095145036
TRCN00000 11918	NM_009255. 2-175s1c1	20720	Serpine2	0.47220171 3	0.04372352 3	0.84917502 5	6.18321943 4	-1.462492411
TRCN00000 11919	NM_009255. 2-637s1c1	20720	Serpine2	0.92881696 6	-1.13956912	1.65150020 5	11.1427668 5	-3.715663285
TRCN00000 11920	NM_009255. 2-393s1c1	20720	Serpine2	0.88784295 3	1.97283942 5	3.55405608 8	-6.78561545	-3.300088479
TRCN00000 11921	NM_009255. 2-1079s1c1	20720	Serpine2	0.01940022 3	1.27745358 8	0.77063857	3.40827436 7	-0.973922291
TRCN00000 11922	NM_009255. 2-695s1c1	20720	Serpine2	2.20154904 7	1.19156721 9	0.93644585 3	3.67020792 7	-1.531719585
TRCN00000 11923	NM_133753. 1-1748s1c1	74155	Errfi1	0.57000593 2	1.95144321 2	0.10430144 2	2.39849291 5	-0.056814418
TRCN00000 11924	NM_133753. 1-1317s1c1	74155	Errfi1	1.39620324 3	1.27745358 8	3.78353119 7	1.28538644 3	-1.292950396
TRCN00000 11925	NM_133753. 1-1452s1c1	74155	Errfi1	2.33026844 9	1.36877840 5	3.83539553 5	3.24472727 6	-1.529658192
TRCN00000 11926	NM_133753. 1-816s1c1	74155	Errfi1	0.82299786 7	5.19359303 1	0.59373599 5	2.86019033 6	-2.07076131
TRCN00000 11927	NM_133753. 1-866s1c1	74155	Errfi1	0.16218791 7	1.36877840 5	3.88919412 7	-3.09784689	-2.129501835
TRCN00000 11983	NM_019477. 2-2640s1c1	50790	Acs14	0.07080587 6	1.36988341 4	0.65745565 2	-2.77693715	-1.183367585
TRCN00000 11984	NM_019477. 2-2115s1c1	50790	Acs14	1.69573401 2	3.68508732 9	4.05814689 3	-3.09784689	-2.286336775
TRCN00000 11985	NM_019477. 2-1300s1c1	50790	Acs14	1.99278290 6	1.27745358 8	3.92234374 5	2.35145649 9	-2.386009185
TRCN00000 11986	NM_019477. 2-538s1c1	50790	Acs14	2.13423919 9	2.01640563 4	1.71850333 9	2.43719965 6	-0.209132471
TRCN00000 11987	NM_019477. 2-1752s1c1	50790	Acs14	1.69276140 8	1.27745358 8	4.06985909 8	8.26009191 4	-3.825041502

TRCN00000 12088	NM_008687. 2-1750s1c1	18028	Nfib	1.52902902 6	1.31726212 9	1.58210096 9	2.02313933 6	-1.612882865
TRCN00000 12089	NM_008687. 2-407s1c1	18028	Nfib	3.57118161 2	0.04511734 7	4.72109133 3	2.53921833 4	-2.719152157
TRCN00000 12090	NM_008687. 2-1496s1c1	18028	Nfib	0.84951130 5	1.12619138 3	3.83539553 5	3.40827436 7	-1.880087495
TRCN00000 12091	NM_008687. 2-772s1c1	18028	Nfib	3.22505017 3	1.36877840 5	3.88919412 7	4.85737193 1	-3.335098659
TRCN00000 12092	NM_008687. 2-1102s1c1	18028	Nfib	3.48110220 6	5.78639342 1	4.24603327 6	0.53700606 6	-3.244130709
TRCN00000 12104	NM_007492. 3-129s1c1	11878	Arx	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 12107	NM_007492. 3-1659s1c1	11878	Arx	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 12113	NM_133948. 2-2368s1c1	101739	Psip1	1.81363297 6	1.36877840 5	3.78353119 7	3.83375501 9	-2.699924399
TRCN00000 12114	NM_133948. 2-550s1c1	101739	Psip1	0.18601388 2	1.36988341 4	3.78353119 7	-3.09784689	-2.016311905
TRCN00000 12123	NM_008720. 1-4121s1c1	18145	Npc1	0.17077484 3	1.36877840 5	3.73346684 1	2.19389277 7	-1.866728217
TRCN00000 12124	NM_008720. 1-3856s1c1	18145	Npc1	0.94912646 5	1.11050781 4	3.83539553 5	7.39917873 8	-3.323552138
TRCN00000 12125	NM_008720. 1-1822s1c1	18145	Npc1	0.92686414 4	4.53091124 5	3.20980510 5	1.19090598 4	-2.46462162
TRCN00000 12126	NM_008720. 1-2724s1c1	18145	Npc1	-2.47299227	1.27745358 8	4.05814689 3	3.52332754 1	-2.832980073
TRCN00000 12127	NM_008720. 1-781s1c1	18145	Npc1	0.88041530 4	-0.29090883	3.63826679 6	2.53702804 1	-0.12793307
TRCN00000 12148	NM_007417. 1-156s1c1	11551	Adra2a	1.83416636 8	1.27745358 8	2.98493116 8	0.00187328 8	-0.607522919
TRCN00000 12149	NM_007417. 1-501s1c1	11551	Adra2a	0.99550308 3	1.52282507 7	4.47609930 1	3.40827436 7	-2.102923916
TRCN00000 12150	NM_007417. 1-573s1c1	11551	Adra2a	0.33198948 1	1.36877840 5	3.97614233 7	3.40827436 7	-2.105301407
TRCN00000 12151	NM_007417. 1-126s1c1	11551	Adra2a	1.41111319 8	1.36877840 5	3.88919412 7	2.96454824 4	-2.408408494
TRCN00000 12152	NM_007417. 1-651s1c1	11551	Adra2a	0.01940022 3	1.27745358 8	3.78353119 7	3.40827436 7	-2.112464732
TRCN00000 12263	NM_009807. 1-410s1c1	12362	Casp1	4.74375444 3	4.86079651 1	4.08834408 2	2.96454824 4	-1.733962565
TRCN00000 12264	NM_009807. 1-38s1c1	12362	Casp1	0.35642403 5	1.28980058 7	4.58912479 3	1.89846868 7	-1.855242508
TRCN00000 12265	NM_009807. 1-901s1c1	12362	Casp1	1.56192879 6	3.60973885 1	3.88919412 7	3.83375501 9	-3.223654198
TRCN00000 12266	NM_009807. 1-277s1c1	12362	Casp1	0.27609585 7	1.36877840 5	4.08194125 4	3.83375501 9	-2.390142634

TRCN00000 12267	NM_009807. 1-697slc1	12362	Casp1	0.10138383 8	1.36877840 5	3.68508170 8	3.83375501 9	-2.196557824
TRCN00000 12268	NM_007609. 1-1170slc1	12363	Casp4	0.46569682 1	1.27745358 8	4.07531496 6	-3.09784689	-1.996229656
TRCN00000 12269	NM_007609. 1-1026slc1	12363	Casp4	3.87630164 9	3.44952810 7	3.73346684 1	1.14305833 5	-2.479059566
TRCN00000 12270	NM_007609. 1-421slc1	12363	Casp4	0.18511005 3	1.27745358 8	4.58671496 6	1.99459988 2	-1.918414596
TRCN00000 12271	NM_007609. 1-353slc1	12363	Casp4	1.13391014 3	1.27745358 8	0.91155196 2	0.51434500 5	-0.135187601
TRCN00000 12369	NM_009736. 1-878slc1	12017	Bag1	-4.50308051	0.41821109 6	7.03846131 6	5.93580125 2	-4.264782996
TRCN00000 12370	NM_009736. 1-703slc1	12017	Bag1	0.34111912 1	1.28980058 7	0.06424881 8	5.66016828 5	-1.838834203
TRCN00000 12371	NM_009736. 1-317slc1	12017	Bag1	1.73917422 5	1.28980058 7	3.59292338 6	-3.09784689	-1.56034916
TRCN00000 12372	NM_009736. 1-798slc1	12017	Bag1	1.48628925 5	5.91183235 5	1.53524979 3	7.36587536 9	-0.351270619
TRCN00000 12523	NM_010789. 1-2448slc1	17268	Meis1	0.37618005 6	1.54807117 8	3.92234374 5	-3.09784689	-2.236110467
TRCN00000 12524	NM_010789. 1-642slc1	17268	Meis1	0.09740707 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.119378752
TRCN00000 12558	NM_007905. 1-3246slc1	13619	Phc1	0.29477645 2	1.11050781 4	5.50180539 2	5.59981078 3	-3.12672511
TRCN00000 12559	NM_007905. 1-161slc1	13619	Phc1	-0.24019477	1.19156721 9	3.88919412 7	3.83375501 9	-2.288677784
TRCN00000 12560	NM_007905. 1-2817slc1	13619	Phc1	0.21507488 9	-1.46120823	3.82041505 1	3.24472727 6	-2.185356362
TRCN00000 12561	NM_007905. 1-1118slc1	13619	Phc1	0.22412086 8	1.27745358 8	3.78353119 7	1.28359843 8	-1.642176023
TRCN00000 12562	NM_007905. 1-2127slc1	13619	Phc1	1.95499454 1	0.76206682 4	0.01009721 9	0.57905645 7	-0.82655376
TRCN00000 12688	NM_007614. 2-3056slc1	12387	Ctnnb1	2.77318232 5	4.95172927 8	3.78353119 7	3.40827436 7	-3.729179292
TRCN00000 12689	NM_007614. 2-2001slc1	12387	Ctnnb1	0.70874297 2	1.36877840 5	3.92234374 5	2.96454824 4	-2.241103342
TRCN00000 12690	NM_007614. 2-450slc1	12387	Ctnnb1	-2.89384865	1.36877840 5	3.88919412 7	3.40827436 7	-2.890023887
TRCN00000 12692	NM_007614. 2-1174slc1	12387	Ctnnb1	2.24352938 6	3.62371571 9	7.14236888 7	5.70879130 2	-2.867743464
TRCN00000 12723	XM_148699. 3-4387slc1	12914	Crebbp	1.21473491 8	2.18612160 6	3.90241960 7	0.82174079 1	-1.620383835
TRCN00000 12724	XM_148699. 3-2110slc1	12914	Crebbp	0.75580505 3	5.85488907 6	5.14173125 9	4.80527056 2	-4.139423988
TRCN00000 12725	XM_148699. 3-207slc1	12914	Crebbp	0.09010347 4	1.37588325 5	3.77202991 8	2.96454824 4	-2.050641223

TRCN00000 12726	XM_148699. 3-7277s1c1	12914	Crebbp	1.09826937 7	1.27745358 8	3.97614233 7	0.45928068 1	-1.702786496
TRCN00000 12727	XM_148699. 3-3482s1c1	12914	Crebbp	0.90582830 5	1.37085999 2	-0.3107227	0.08058861 3	-0.666999903
TRCN00000 12749	NM_011641. 1-970s1c1	22061	Trp63	1.28853765	1.36988341 4	3.85403447 4	3.40827436 7	-1.835913651
TRCN00000 12750	NM_011641. 1-654s1c1	22061	Trp63	2.38290103 1	1.36877840 5	3.88919412 7	3.40827436 7	-1.570836467
TRCN00000 12758	NM_008279. 1-2100s1c1	26411	Map4k1	1.38975598 8	1.03376155 7	4.25436415 6	5.54569538 6	-3.055894272
TRCN00000 12759	NM_008279. 1-1149s1c1	26411	Map4k1	0.88381458 6	1.28980058 7	2.91485304 3	3.52332754 1	-2.152948939
TRCN00000 12761	NM_008279. 1-1226s1c1	26411	Map4k1	0.68635363 7	5.40000820 4	0.28559907 2	0.63413464 9	-1.751523891
TRCN00000 12762	NM_008279. 1-600s1c1	26411	Map4k1	1.87254622 3	0.33627651 5	3.83539553 5	3.40827436 7	-1.426850049
TRCN00000 12838	NM_019499. 2-995s1c1	56150	Mad2l1	1.83570172 4	-1.71493515	0.88467836 6	3.81938202 2	-2.063674316
TRCN00000 12839	NM_019499. 2-446s1c1	56150	Mad2l1	0.06325180 4	-1.46120823	1.68334369 4	2.44212074 4	-0.539183369
TRCN00000 12840	NM_019499. 2-198s1c1	56150	Mad2l1	0.22669042 3	1.27745358 8	0.98850858 1	0.20107190 4	-0.179176834
TRCN00000 12841	NM_019499. 2-572s1c1	56150	Mad2l1	2.41375035 1	6.15792998 2	1.46085226 7	4.98406953 5	-3.0237244
TRCN00000 12842	NM_019499. 2-164s1c1	56150	Mad2l1	0.87845902 6	1.36877840 5	3.20400781 3	2.43719965 6	-1.532881712
TRCN00000 12848	NM_009772. 1-1861s1c1	12235	Bub1	2.97045664 7	0.69138421	4.11352301 7	6.29777343 7	-3.172592223
TRCN00000 12849	NM_009772. 1-2673s1c1	12235	Bub1	0.62564261 9	-0.85449665	3.67987159 6	3.35271435 8	-2.128181306
TRCN00000 12850	NM_009772. 1-448s1c1	12235	Bub1	2.29428391 6	4.19794862 4	1.11591940 2	10.6374527 3	-2.462426856
TRCN00000 12851	NM_009772. 1-1453s1c1	12235	Bub1	0.06670991 3	4.03764887 8	4.41009144 1	1.59237584 3	-2.493351562
TRCN00000 12852	NM_009772. 1-3095s1c1	12235	Bub1	0.62571817 7	-1.20293764	0.85754966 5	2.18589604 6	-1.218025382
TRCN00000 12853	NM_009773. 1-3402s1c1	12236	Bub1b	0.53949647 6	1.36877840 5	3.78353119 7	2.84253081 2	-2.133584223
TRCN00000 12854	NM_009773. 1-2358s1c1	12236	Bub1b	0.82745399 7	0.83455989 3	2.00974346 4	5.59722424 1	-2.317245399
TRCN00000 12855	NM_009773. 1-1024s1c1	12236	Bub1b	0.70900250 2	5.33465530 6	4.07745356 1	2.49644242 8	-0.132559545
TRCN00000 12856	NM_009773. 1-593s1c1	12236	Bub1b	2.87814302 8	1.19156721 9	0.07333924 2	0.73180734 9	0.257026926
TRCN00000 12857	NM_009773. 1-2711s1c1	12236	Bub1b	1.04385637 4	4.99710113 8	4.47609930 1	1.26343685 6	-2.945123417

TRCN00000 18470	NM_008548. 2-2433slcl	17155	Man1a	2.24689326 7	1.19156721 9	3.95844439 5	1.61396647 5	-2.252717839
TRCN00000 18471	NM_008548. 2-1243slcl	17155	Man1a	1.09425693 1	1.27745358 8	1.45599460 7	0.84008068 5	-0.74690611
TRCN00000 18472	NM_008548. 2-2085slcl	17155	Man1a	0.36640429 8	1.36877840 5	3.46486411 1	3.40827436 7	-1.968878146
TRCN00000 18473	NM_008548. 2-1659slcl	17155	Man1a	0.84414807 7	1.27745358 8	3.78353119 7	3.40827436 7	-2.328351807
TRCN00000 18474	NM_008548. 2-1171slcl	17155	Man1a	-2.51920723	1.36877840 5	3.88919412 7	3.40827436 7	-2.796363532
TRCN00000 18490	NM_019830. 1-629slcl	15469	Prmt1	0.28694497 2	1.28980058 7	3.88919412 7	3.24472727 6	-2.177666741
TRCN00000 18493	NM_019830. 1-833slcl	15469	Prmt1	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 22489	NM_023057. 1-299slcl	65964	B230120H2 3Rik	1.20965977 9	1.36877840 5	5.51166613 7	2.84253081 2	-2.733158783
TRCN00000 22490	NM_023057. 1-787slcl	65964	B230120H2 3Rik	1.69730713 9	1.36877840 5	4.15557313 4	8.89330630 7	-4.028741246
TRCN00000 22491	NM_023057. 1-63slcl	65964	B230120H2 3Rik	3.09820871 5	1.36877840 5	1.93506172 2	2.52836256 1	-2.232602851
TRCN00000 22492	NM_023057. 1-1260slcl	65964	B230120H2 3Rik	0.54994031 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.029076646
TRCN00000 22493	NM_023057. 1-2061slcl	65964	B230120H2 3Rik	0.46447320 5	1.14018531 3	0.32023433 1	-6.05541529	-1.602723267
TRCN00000 22599	XM_356104. 1-1087slcl	74568	Mik1	1.97936115 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.647952365
TRCN00000 22600	XM_356104. 1-579slcl	74568	Mik1	0.13092076 4	0.38311730 3	3.93162742 7	1.20670133 3	-1.413091707
TRCN00000 22601	XM_356104. 1-879slcl	74568	Mik1	1.22515718 4	1.78109566 7	3.88919412 7	2.35145649 9	-1.699147277
TRCN00000 22602	XM_356104. 1-1126slcl	74568	Mik1	1.32412821 4	1.19156721 9	3.63826679 6	-3.09784689	-2.31295228
TRCN00000 22603	XM_356104. 1-439slcl	74568	Mik1	3.95392053 3	1.36877840 5	4.97632129 4	3.24472727 6	-3.385936877
TRCN00000 22717	NM_008926. 2-1710slcl	19092	Prkg2	0.40368200 3	5.78240298 2	6.96891815 7	3.28984570 4	-3.90937121
TRCN00000 22718	NM_008926. 2-564slcl	19092	Prkg2	3.56900997 2	1.36877840 5	2.87864579 1	0.47967170 3	-0.04968563
TRCN00000 22720	XM_357784. 1-66slcl	384675	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 22724	NM_148945. 1-1345slcl	110651	Rps6ka3	0.49411408 9	0.98395760 1	1.50390820 8	4.42134314 9	-1.850830762
TRCN00000 22725	NM_148945. 1-269slcl	110651	Rps6ka3	0.15568932 2	1.36877840 5	2.66476728 3	2.22938084 1	-1.604653963
TRCN00000 22726	NM_148945. 1-783slcl	110651	Rps6ka3	-1.74462772	-1.46120823	4.22562879 3	1.83341653 9	-2.316220321

TRCN00000 22727	NM_148945. 1-1833s1c1	110651	Rps6ka3	1.40479565 5	1.36877840 5	4.00434830 1	2.96454824 4	-1.733219824
TRCN00000 22728	NM_148945. 1-456s1c1	110651	Rps6ka3	1.22798743 7	1.19156721 9	3.38539981 5	3.40827436 7	-1.689313491
TRCN00000 22874	NM_011101. 1-835s1c1	18750	Prkca	3.20007604 3	5.34583777 2	3.82647785 5	2.96454824 4	-3.834234979
TRCN00000 22875	NM_011101. 1-1602s1c1	18750	Prkca	1.14134244 1	5.36591483 5	3.23286181 1	-5.08607098	-3.706547517
TRCN00000 22876	NM_011101. 1-2191s1c1	18750	Prkca	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00000 22881	NM_013731. 1-645s1c1	27219	Sgk2	0.01940022 3	1.36877840 5	3.97614233 7	3.40827436 7	-2.183448722
TRCN00000 22882	NM_013731. 1-1392s1c1	27219	Sgk2	0.09740707 6	1.36877840 5	3.78353119 7	3.40827436 7	-2.115794223
TRCN00000 22960	XM_140553. 3-2441s1c1	240505	Cdc42bpg	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 22962	XM_140553. 3-120s1c1	240505	Cdc42bpg	0.26355141 1	0.00246915 6	3.20400781 3	-1.64242105	-1.145102074
TRCN00000 22964	XM_359221. 1-144s1c1	386422	UNK	0.01940022 3	1.27745358 8	3.87047940 7	3.24472727 6	-2.093315012
TRCN00000 23084	NM_009874. 1-503s1c1	12572	Cdk7	-1.61271649	2.12687197 7	2.24723812 1	1.72605602 6	-1.065192641
TRCN00000 23085	NM_009874. 1-186s1c1	12572	Cdk7	1.39662454 1	1.19156721 9	3.88919412 7	3.40827436 7	-2.471415064
TRCN00000 23087	NM_009874. 1-409s1c1	12572	Cdk7	0.84951130 5	-0.85449665	-3.43419915	2.96454824 4	-1.600933185
TRCN00000 23088	NM_009874. 1-812s1c1	12572	Cdk7	1.96308948 8	1.45674636 1	3.82041505 1	4.93932729 1	-3.044894548
TRCN00000 23199	NM_015806. 2-1056s1c1	50772	Mapk6	2.17201264 5	-5.13865588	3.13602056	3.42303471 9	-1.899420671
TRCN00000 23200	NM_015806. 2-1210s1c1	50772	Mapk6	4.44326271 2	1.11050781 4	3.88919412 7	2.43719965 6	-2.970041077
TRCN00000 23201	NM_015806. 2-1910s1c1	50772	Mapk6	2.08224727 1	2.68593274 6	4.27442359 3	2.19614224 7	1.466720091
TRCN00000 23202	NM_015806. 2-1490s1c1	50772	Mapk6	-1.27109549	0.11863716 2	3.91316973 9	5.10930907 2	-2.603052866
TRCN00000 23203	NM_015806. 2-2137s1c1	50772	Mapk6	2.88457399 9	1.42906708 5	3.78353119 7	3.40827436 7	-1.434074663
TRCN00000 23219	NM_010434. 1-2891s1c1	15259	Hipk3	1.35025912 2	1.28399704 4	0.76900133 8	6.22823275 4	-2.407872565
TRCN00000 23220	NM_010434. 1-1905s1c1	15259	Hipk3	0.03639032 2	1.27745358 8	3.83539553 5	3.40827436 7	-2.139378453
TRCN00000 23221	NM_010434. 1-3501s1c1	15259	Hipk3	1.46277277 4	1.58076516 3	0.54669935 2	0.65086658 3	-0.055539905
TRCN00000 23222	NM_010434. 1-2387s1c1	15259	Hipk3	0.09010347 4	1.36877840 5	3.83539553 5	-3.09784689	-2.098031076

TRCN00000 23309	NM_009465. 2-1174s1c1	26362	Axl	1.18314386 9	1.54806162 2	4.36766690 7	1.35454366 3	-1.436082184
TRCN00000 23311	NM_009465. 2-1801s1c1	26362	Axl	1.23047515 3	1.27745358 8	3.73346684 1	2.84253081 2	-2.270981599
TRCN00000 23312	NM_009465. 2-2179s1c1	26362	Axl	0.68622941 6	-1.46120823	3.87047940 7	0.19374689 8	-1.552915988
TRCN00000 23313	NM_009465. 2-265s1c1	26362	Axl	0.97781845 9	1.36877840 5	3.73346684 1	3.24472727 6	-1.842288516
TRCN00000 23322	NM_010237. 2-1038s1c1	14302	Frk	0.03639032 2	1.27745358 8	3.83539553 5	3.40827436 7	-2.139378453
TRCN00000 23323	NM_010237. 2-1915s1c1	14302	Frk	0.01940022 3	1.36877840 5	3.73346684 1	3.40827436 7	-2.122779848
TRCN00000 23380	NM_008054. 1-1531s1c1	14360	Fyn	1.12296801 2	1.54807117 8	3.92234374 5	8.05715207 3	-3.101149746
TRCN00000 23383	NM_008054. 1-364s1c1	14360	Fyn	2.94735801 8	1.36877840 5	3.95248396 3	3.52332754 1	-1.474307973
TRCN00000 23396	XM_136679. 3-1219s1c1	241079	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 23479	NM_007912. 1-745s1c1	13649	Egfr	0.25329495 6	4.33491210 4	4.49891937 1	1.25375984 1	0.209114405
TRCN00000 23480	NM_007912. 1-1694s1c1	13649	Egfr	0.37478515 5	1.44925434 7	1.55395330 7	6.96520126 7	-2.585798519
TRCN00000 23481	NM_007912. 1-643s1c1	13649	Egfr	0.83922389 9	0.89152777 5	-1.20306568	1.59461247 1	-0.712495507
TRCN00000 23482	NM_007912. 1-2218s1c1	13649	Egfr	1.34933459 9	1.11050781 4	3.93162742 7	0.93009123	-1.365344653
TRCN00000 23483	NM_007912. 1-1535s1c1	13649	Egfr	0.01940022 3	1.36877840 5	3.88919412 7	3.67020792 7	-2.227195059
TRCN00000 23575	NM_010568. 1-3638s1c1	16337	Insr	1.09426801 7	4.98253671 4	3.88919412 7	3.40827436 7	-3.343568306
TRCN00000 23577	NM_010568. 1-3573s1c1	16337	Insr	2.09028799 6	1.36877840 5	3.88919412 7	-3.09784689	-1.566382857
TRCN00000 23589	NM_008587. 1-3051s1c1	17289	Mertk	3.10860969 4	3.66264785 8	1.68989946 6	4.65442672 1	-2.433946202
TRCN00000 23590	NM_008587. 1-1672s1c1	17289	Mertk	0.07769511 1	4.52201055 9	0.89765536 8	0.05341010 4	-1.34884523
TRCN00000 23592	NM_008587. 1-2092s1c1	17289	Mertk	2.49213699 5	1.27745358 8	1.80434165 6	1.35557188 2	1.093649236
TRCN00000 23593	NM_008587. 1-1234s1c1	17289	Mertk	1.08932254 9	4.95414020 6	1.75523448 1	5.15735188 8	-3.239012281
TRCN00000 23634	XM_356004. 1-53s1c1	381968	UNK	0.37305510 8	1.05332236 6	3.80721956 2	2.84253081 2	-1.832504408
TRCN00000 23764	NM_152809. 1-835s1c1	70425	Csnk1g3	2.94885600 9	1.28399704 4	3.10625848 5	3.02178765	0.473798271
TRCN00000 23765	NM_152809. 1-424s1c1	70425	Csnk1g3	2.96245068 4	1.35396790 1	2.31882085 5	7.15774253 3	-2.771261543

TRCN00000 23766	NM_152809. 1-208slc1	70425	Csnk1g3	0.38624584 1	5.69550612 1	8.66870736 7	1.73770644 7	-3.253188221
TRCN00000 23767	NM_152809. 1-280slc1	70425	Csnk1g3	0.69425213 3	5.51504561 3	1.71824455 9	2.84253081 2	-1.486269933
TRCN00000 23768	NM_152809. 1-935slc1	70425	Csnk1g3	0.01940022 3	1.36877840 5	3.83539553 5	2.19389277 7	-1.844666624
TRCN00000 23929	XM_125706. 5-2028slc1	110279	Bcr	3.13448414 9	1.36877840 5	1.93032521 9	3.40827436 7	-2.460465535
TRCN00000 23930	XM_125706. 5-2640slc1	110279	Bcr	1.30054988 6	1.11050781 4	4.05814689 3	1.13290926 2	-1.900528464
TRCN00000 23931	XM_125706. 5-769slc1	110279	Bcr	0.13501634 5	1.11050781 4	4.36557502 4	3.28200110 4	-2.223275072
TRCN00000 23932	XM_125706. 5-3052slc1	110279	Bcr	1.31809952 5	1.36877840 5	1.72071886 3	0.65086658 3	-1.264615844
TRCN00000 23933	XM_125706. 5-2472slc1	110279	Bcr	0.09010347 4	1.27745358 8	3.92234374 5	0.56431739 2	-1.46355455
TRCN00000 23949	NM_012025. 3-668slc1	26934	Racgap1	0.89645255 7	1.36877840 5	3.83539553 5	2.43719965 6	-2.134456538
TRCN00000 23950	NM_012025. 3-1122slc1	26934	Racgap1	0.57619741 6	1.83296559	1.01028321 5	-0.77570904	0.660934295
TRCN00000 23951	NM_012025. 3-301slc1	26934	Racgap1	1.42787637 4	1.45674636 1	0.10740176 4	0.77677443 6	-0.174560665
TRCN00000 23952	NM_012025. 3-2022slc1	26934	Racgap1	2.99801095 5	1.36877840 5	3.78353119 7	3.40827436 7	-2.889648731
TRCN00000 23953	NM_012025. 3-941slc1	26934	Racgap1	0.99974328 2	1.37393138 7	0.14307413 6	0.37194050 8	0.036330433
TRCN00000 23954	NM_021450. 1-4488slc1	58800	Trpm7	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 23957	NM_021450. 1-5738slc1	58800	Trpm7	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 23994	NM_010019. 2-811slc1	13143	Dapk2	2.13932526 3	1.36877840 5	3.88919412 7	2.84253081 2	-1.49029452
TRCN00000 23995	NM_010019. 2-661slc1	13143	Dapk2	0.27403751 6	1.36877840 5	1.28102551 5	0.01776034 9	-0.094887689
TRCN00000 23997	NM_010019. 2-468slc1	13143	Dapk2	0.49736092 5	1.15274925 9	4.25436415 6	0.87184797 7	-1.445400117
TRCN00000 23998	NM_010019. 2-552slc1	13143	Dapk2	3.48909781 8	6.68603087 7	9.37856472 2	6.36585139 4	-6.479886203
TRCN00000 23999	XM_139298. 4-990slc1	105787	Prkaa1	-3.31624181	0.96089254 1	3.82041505 1	8.64524683 4	-4.185699059
TRCN00000 24000	XM_139298. 4-1396slc1	105787	Prkaa1	1.99352444 7	1.36877840 5	3.83539553 5	3.52332754 1	-2.680256482
TRCN00000 24001	XM_139298. 4-213slc1	105787	Prkaa1	1.95493028 4	1.27745358 8	3.83539553 5	3.83375501 9	-2.725383607
TRCN00000 24002	XM_139298. 4-1540slc1	105787	Prkaa1	-3.54692137	4.98627231 7	3.92234374 5	2.19389277 7	-3.662357552

TRCN00000 24003	XM_139298. 4-1297s1c1	105787	Prkaa1	0.86529720 5	1.27745358 8	4.52989789 3	0.29005858 7	-1.162998922
TRCN00000 24052	XM_289801. 2-166s1c1	333716	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 24100	XM_357516. 1-244s1c1	384242	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 24368	NM_177357. 2-1388s1c1	239835	UNK	0.01940022 3	1.45674636 1	4.27942738 5	4.16191291 1	-2.469671609
TRCN00000 24384	NM_133926. 1-157s1c1	52163	Camk1	0.30892183 6	1.36877840 5	3.92234374 5	3.40827436 7	-2.09761867
TRCN00000 24385	NM_133926. 1-790s1c1	52163	Camk1	0.37613220 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.260594777
TRCN00000 24387	NM_133926. 1-865s1c1	52163	Camk1	0.21176648 5	1.36877840 5	3.97614233 7	3.40827436 7	-2.135357156
TRCN00000 24534	XM_144303. 2-224s1c1	243044	UNK	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 24729	NM_008704. 2-821s1c1	18102	Nme1	1.45964607 6	-1.20293764	6.98516186 1	0.35767848 9	-2.322516772
TRCN00000 24731	NM_008704. 2-665s1c1	18102	Nme1	1.59151420 5	1.19156721 9	2.69001689 4	2.03373988 9	-0.531701105
TRCN00000 24732	NM_008704. 2-493s1c1	18102	Nme1	0.47458018 2	1.36877840 5	3.87047940 7	2.43719965 6	-1.800469322
TRCN00000 24733	NM_008704. 2-415s1c1	18102	Nme1	2.31932381 9	1.36877840 5	2.55589975 7	3.40827436 7	-1.253407178
TRCN00000 24789	NM_029094. 1-2197s1c1	74769	Pik3cb	0.23324746 6	5.49930802 9	0.71510664 4	2.03072389 4	-2.119596508
TRCN00000 24790	NM_029094. 1-466s1c1	74769	Pik3cb	1.75190156 4	1.36877840 5	3.73346684 1	5.94069656 4	-3.198710844
TRCN00000 24791	NM_029094. 1-1680s1c1	74769	Pik3cb	0.53750832 1	2.78616034 6	2.22737917 8	4.97234751 7	-2.36209468
TRCN00000 24792	NM_029094. 1-1201s1c1	74769	Pik3cb	1.18054169 5	1.28399704 4	4.58788450 4	-6.90723765	-3.489915223
TRCN00000 24793	NM_029094. 1-2938s1c1	74769	Pik3cb	-0.57099146	1.27745358 8	2.92582448 9	0.33979869	-1.108617712
TRCN00000 24884	NM_021463. 2-419s1c1	19139	Prps1	0.18130404 1	3.05141332 8	0.83049974 2	5.60445433 5	-0.475961327
TRCN00000 24885	NM_021463. 2-899s1c1	19139	Prps1	3.28775511 4	1.27745358 8	2.04777812 2	3.40827436 7	-0.861437741
TRCN00000 24886	NM_021463. 2-587s1c1	19139	Prps1	1.15463496 4	-2.37152003	0.95101573 5	1.10218844 5	-1.394839794
TRCN00000 24887	NM_021463. 2-912s1c1	19139	Prps1	0.29982957 4	5.45161759 8	0.42922034	0.91615730 9	-1.559596035
TRCN00000 24888	NM_021463. 2-311s1c1	19139	Prps1	0.46483258 7	1.27745358 8	0.94217219 8	-3.09784689	-0.974490217
TRCN00000 24989	XM_127444. 3-1025s1c1	69716	Trip13	0.45067880 7	1.27745358 8	4.20937172 6	3.24472727 6	-2.070218446

TRCN00000 24990	XM_127444. 3-671slc1	69716	Trip13	0.40385455	1.36877840 5	3.78353119 7	3.40827436 7	-2.039182355
TRCN00000 24991	XM_127444. 3-309slc1	69716	Trip13	2.66571061 2	1.19156721 9	2.65492407 3	0.28930148 2	-0.37291381
TRCN00000 24993	XM_127444. 3-1458slc1	69716	Trip13	2.52916682 7	2.21193578 2	1.79461783 5	5.01074528 7	-2.886616433
TRCN00000 25001	XM_127605. 4-303slc1	620564	UNK	0.01940022 3	1.36988341 4	3.88919412 7	3.40827436 7	-2.161987921
TRCN00000 25033	XM_195404. 2-229slc1	270366	UNK	0.01940022 3	-1.89945045	5.20067149 5	4.86918993 5	-2.987477914
TRCN00000 25044	NM_025415. 1-162slc1	66197	Cks2	-0.23130845	1.27745358 8	8.40446955 4	1.97350860 9	-2.97168505
TRCN00000 25045	NM_025415. 1-276slc1	66197	Cks2	0.86496812 6	1.36877840 5	1.13795116 1	3.24472727 6	-1.221622179
TRCN00000 25046	NM_025415. 1-171slc1	66197	Cks2	0.65442337 9	5.86664738 2	7.39018547 6	3.30018307 4	-3.975648138
TRCN00000 25047	NM_025415. 1-150slc1	66197	Cks2	0.71260430 7	1.36877840 5	3.90241960 7	2.33913952 7	-2.080735462
TRCN00000 25048	NM_025415. 1-288slc1	66197	Cks2	2.19920312 9	1.45674636 1	0.54755646 4	3.26969256 8	-1.594521399
TRCN00000 25070	NM_008832. 1-3459slc1	18679	Phka1	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 25072	NM_008832. 1-2203slc1	18679	Phka1	0.17141156 4	1.36988341 4	3.88919412 7	3.40827436 7	-2.123985086
TRCN00000 25209	NM_177326. 1-686slc1	224105	Pak2	4.59872024 6	3.38136906 9	2.31259080 3	3.40827436 7	-1.734554087
TRCN00000 25211	NM_177326. 1-100slc1	224105	Pak2	0.85649082 2	0.56143263 9	1.93322339 5	0.15418965 9	-0.167372398
TRCN00000 25213	NM_177326. 1-320slc1	224105	Pak2	5.51770818 9	1.36877840 5	3.83539553 5	3.24472727 6	-3.491652351
TRCN00000 25256	NM_011035. 1-1108slc1	18479	Pak1	5.36655781 1	0.09549319 6	2.98057372 6	4.12831778 7	-1.078576737
TRCN00000 25257	NM_011035. 1-597slc1	18479	Pak1	0.18021633 2	1.56971690 1	8.68125969 7	3.40827436 7	-2.675008374
TRCN00000 25258	NM_011035. 1-1206slc1	18479	Pak1	6.06650906 6	4.76489185 9	3.52418541 2	0.40772030 2	-3.486966509
TRCN00000 25474	NM_138671. 1-439slc1	192185	Nadk	1.75737653 2	1.36877840 5	3.68508170 8	0.25082995 5	-1.76551665
TRCN00000 25475	NM_138671. 1-895slc1	192185	Nadk	1.41961144	1.36877840 5	3.83539553 5	1.45188272 5	-1.309111306
TRCN00000 25476	NM_138671. 1-517slc1	192185	Nadk	1.49365912 4	5.21358545 5	1.55842740 7	9.61226269 7	-4.469483671
TRCN00000 25477	NM_138671. 1-171slc1	192185	Nadk	-1.47585606	1.36877840 5	3.88919412 7	3.83375501 9	-2.641895903
TRCN00000 25496	NM_199056. 1-465slc1	75678	Ippk	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048

TRCN00000 25498	NM_199056. 1-1399s1c1	75678	Ippk	0.24180442 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.106110618
TRCN00000 25499	NM_008828. 1-1175s1c1	18655	Pgk1	0.89813434 9	-1.46120823	9.16254940 2	0.80316475	-2.679681808
TRCN00000 25500	NM_008828. 1-484s1c1	18655	Pgk1	-0.52696957	1.36877840 5	3.97614233 7	8.96362859 2	-3.708879726
TRCN00000 25501	NM_008828. 1-1013s1c1	18655	Pgk1	1.86655121 5	1.27745358 8	1.18713994 6	-0.6254801	-0.645586239
TRCN00000 25502	NM_008828. 1-686s1c1	18655	Pgk1	0.53679460 4	-1.46120823	-2.92194726	2.37941543 5	-1.824841382
TRCN00000 25503	NM_008828. 1-160s1c1	18655	Pgk1	1.33510908 6	1.27745358 8	3.73346684 1	3.52332754 1	-1.799784721
TRCN00000 25669	NM_009516. 2-2036s1c1	22390	Wee1	1.92127517 2	1.36877840 5	3.88919412 7	2.84253081 2	-2.505444629
TRCN00000 25671	NM_009516. 2-2178s1c1	22390	Wee1	-2.61878119	1.11050781 4	1.05967048 4	0.81753954 2	-0.871789516
TRCN00000 25672	NM_009516. 2-1173s1c1	22390	Wee1	0.43756396	1.36877840 5	3.88919412 7	3.24472727 6	-2.016283962
TRCN00000 25673	NM_009516. 2-1647s1c1	22390	Wee1	1.49276584 6	1.36877840 5	3.78353119 7	-3.09784689	-2.435730585
TRCN00000 25679	NM_153533. 1-941s1c1	209039	Tenc1	3.36051162 3	2.85244265 6	8.14676447 4	-3.09784689	-2.938170083
TRCN00000 25680	NM_153533. 1-4143s1c1	209039	Tenc1	1.76492285 3	1.36877840 5	3.78353119 7	2.96454824 4	-2.470445175
TRCN00000 25681	NM_153533. 1-761s1c1	209039	Tenc1	0.50463005 6	1.03376155 7	3.82041505 1	2.05185553 7	-1.85266555
TRCN00000 25682	NM_153533. 1-2322s1c1	209039	Tenc1	1.09584830 4	1.36877840 5	4.05814689 3	3.40827436 7	-2.482761992
TRCN00000 25683	NM_153533. 1-3690s1c1	209039	Tenc1	1.02810879 7	1.19156721 9	6.11111524 7	0.31279657 7	-1.490444273
TRCN00000 26090	XM_144956. 2-972s1c1	18430	Oxtr	2.19146917 2	3.58212853 4	3.83946910 5	1.11958674 8	-0.892099123
TRCN00000 26093	XM_144956. 2-330s1c1	18430	Oxtr	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 26097	XM_144956. 2-135s1c1	18430	Oxtr	0.09740707 6	1.36877840 5	3.97614233 7	3.24472727 6	-2.123060236
TRCN00000 26102	XM_144956. 2-864s1c1	18430	Oxtr	1.62069084 5	1.27745358 8	3.87047940 7	3.24472727 6	-2.503337779
TRCN00000 26120	XM_144956. 2-621s1c1	18430	Oxtr	0.75943173 4	1.36877840 5	3.88919412 7	1.82072654 1	-1.959532702
TRCN00000 26157	NM_008173. 1-1974s1c1	14815	Nr3c1	-2.40703448	1.36877840 5	3.78353119 7	2.96454824 4	-2.630973082
TRCN00000 26159	NM_008173. 1-1660s1c1	14815	Nr3c1	0.31726456 3	-1.46120823	3.88919412 7	3.40827436 7	-2.11035304
TRCN00000 26186	NM_008173. 1-2283s1c1	14815	Nr3c1	-3.42198489	1.36988341 4	0.13849728 1	4.34399924 4	-2.318591207

TRCN00000 26223	NM_008173. 1-821s1c1	14815	Nr3c1	1.64286748 9	- 6.07826329 6	- 3.85403447 4	- -8.59875103	- -4.222045328
TRCN00000 26688	NM_023209. 1-980s1c1	52033	Pbk	2.04962116 9	1.36877840 5	0.91625044 5	3.70642675 5	-2.010269194
TRCN00000 26696	NM_173032. 1-1968s1c1	271981	A630047E2 ORik	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 26700	NM_023209. 1-946s1c1	52033	Pbk	3.78098756 5	1.36877840 5	4.23362715 2	3.24472727 6	-3.1570301
TRCN00000 26708	NM_144847. 1-909s1c1	223649	Nrbp2	2.00535947 1	0.08328340 3	3.88919412 7	3.40827436 7	-2.346527842
TRCN00000 26712	NM_023209. 1-483s1c1	52033	Pbk	2.33125705 4	1.36877840 5	4.08194125 4	4.28353580 6	-3.01637813
TRCN00000 26713	NM_173032. 1-896s1c1	271981	A630047E2 ORik	0.01940022 3	1.36877840 5	3.87047940 7	3.40827436 7	-2.157032989
TRCN00000 26732	NM_023209. 1-584s1c1	52033	Pbk	0.25220097 5	1.91785641 7	4.29243958 7	3.40827436 7	-2.341592349
TRCN00000 26752	NM_023209. 1-374s1c1	52033	Pbk	0.50035672 1	1.36877840 5	3.83539553 5	-3.09784689	-2.200594388
TRCN00000 26763	NM_144847. 1-491s1c1	223649	Nrbp2	0.70399437 3	3.62318107 1	-4.48060269	0.70302032 2	-2.377699614
TRCN00000 26982	NM_152804. 1-683s1c1	20620	Plk2	0.88641971 4	1.36877840 5	3.88919412 7	3.24472727 6	-2.347279881
TRCN00000 26993	NM_152804. 1-1915s1c1	20620	Plk2	0.19356060 2	-0.53352013	0.10200659 8	4.77547012 7	-1.401139364
TRCN00000 27003	NM_152804. 1-1180s1c1	20620	Plk2	-1.88817054	0.96089254 1	5.95462309 4	3.15500636 8	-2.989673136
TRCN00000 27019	NM_152804. 1-851s1c1	20620	Plk2	0.69072396 8	1.45674636 1	4.41009144 1	0.85379387 9	-1.425941973
TRCN00000 27022	NM_152804. 1-1937s1c1	20620	Plk2	1.26099664 1	0.56238884 1	0.30674442 8	1.36306866 2	-0.873299643
TRCN00000 27050	NM_013646. 1-696s1c1	19883	Rora	-1.2231707	1.36877840 5	3.88919412 7	2.96454824 4	-2.361422869
TRCN00000 27059	NM_013646. 1-1374s1c1	19883	Rora	2.2412281	1.36877840 5	3.83539553 5	3.24472727 6	-1.551918279
TRCN00000 27064	NM_011281. 1-1133s1c1	19885	Rorc	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 27068	NM_009504. 2-3062s1c1	22337	Vdr	2.70041282 4	1.27745358 8	8.84648620 5	2.73003321 3	-3.888596458
TRCN00000 27075	NM_013646. 1-193s1c1	19883	Rora	0.40297659 1	5.78650878 1	-5.36001916	3.91321519 2	-0.972425541
TRCN00000 27098	NM_009504. 2-675s1c1	22337	Vdr	1.15570275 3	0.01774094 6	3.87047940 7	2.35145649 9	-1.839974428
TRCN00000 27101	NM_009504. 2-996s1c1	22337	Vdr	0.73764692 8	3.82814439 1	4.75344197 7	10.2758109 6	-2.984688869
TRCN00000 27106	NM_011281. 1-1597s1c1	19885	Rorc	-2.48953379	1.36877840 5	3.83539553 5	3.40827436 7	-2.775495524

TRCN00000 27113	NM_013646. 1-1252s1c1	19883	Rora	0.81475656 6	1.36877840 5	3.97614233 7	3.40827436 7	-2.391987919
TRCN00000 27123	NM_009504. 2-813s1c1	22337	Vdr	1.21626484 3	0.58735289 9	3.88919412 7	2.43719965 6	-2.032502881
TRCN00000 27126	NM_013646. 1-976s1c1	19883	Rora	1.18427658 6	1.11050781 4	4.02850005 4	4.16191291 1	-2.621299341
TRCN00000 27456	XM_134499. 4-1472s1c1	13617	Ednra	1.40942454 8	1.36877840 5	3.97614233 7	0.09293911 3	-1.665351544
TRCN00000 27460	XM_134499. 4-1034s1c1	13617	Ednra	0.31578184 4	1.36877840 5	3.83539553 5	0.19621113 7	-1.17304524
TRCN00000 27461	XM_134499. 4-722s1c1	13617	Ednra	0.85740933 5	1.36877840 5	4.00434830 1	4.85737193 1	-2.343272326
TRCN00000 27476	XM_134499. 4-1691s1c1	13617	Ednra	0.11562101 9	1.19156721 9	3.59292338 6	1.24292351 7	-0.856486517
TRCN00000 27491	XM_134499. 4-509s1c1	13617	Ednra	1.56880280 5	0.87293057 5	3.87047940 7	0.70651789 3	-0.964958436
TRCN00000 27632	XM_355671. 1-230s1c1	381698	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 27650	NM_010353. 1-1628s1c1	14841	Gsg2	0.08051580 5	1.03376155 7	2.75559124 9	0.86144345 8	-1.142570115
TRCN00000 27651	NM_010353. 1-2197s1c1	14841	Gsg2	-0.48611344	1.14018531 3	5.86806006 5	-6.16103333	-3.413848037
TRCN00000 27654	NM_010353. 1-934s1c1	14841	Gsg2	0.17278798 4	1.19156721 9	0.14359774	0.06202217 3	-0.203289831
TRCN00000 27665	NM_010353. 1-1118s1c1	14841	Gsg2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 27685	XM_134994. 3-1813s1c1	235480	UNK	0.01940022 3	1.27745358 8	4.00434830 1	3.40827436 7	-2.167669008
TRCN00000 27689	XM_129694. 3-1908s1c1	71877	Efhc1	-0.42237023	1.18354644 1	3.40746019 8	2.44073973 3	-0.051386064
TRCN00000 27706	NM_023223. 1-894s1c1	107995	Cdc20	1.05463613 7	1.36877840 5	3.73346684 1	3.40827436 7	-2.391288938
TRCN00000 27711	XM_129694. 3-1553s1c1	71877	Efhc1	0.69027035 1	1.37085999 2	0.37032694 8	3.56576258 3	-1.314141495
TRCN00000 27716	XM_129694. 3-1881s1c1	71877	Efhc1	4.68908107 9	5.85844589 6	-5.10020142	7.46935379 5	-5.779270548
TRCN00000 27730	NM_023223. 1-1352s1c1	107995	Cdc20	-1.44917007	1.36988341 4	4.03007691 7	1.85670161 3	-1.248107197
TRCN00000 27735	NM_023223. 1-945s1c1	107995	Cdc20	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 27742	NM_023223. 1-670s1c1	107995	Cdc20	0.54421507 2	1.36877840 5	3.78353119 7	3.40827436 7	-2.004092224
TRCN00000 27743	XM_129694. 3-472s1c1	71877	Efhc1	0.41541464 5	-1.02245408	3.80721956 2	6.66762170 5	-2.978177498
TRCN00000 27750	XM_129694. 3-451s1c1	71877	Efhc1	2.06904172 4	3.12578464 9	-4.18966555	-4.11747451	-3.375491608

TRCN00000 28194	NM_022420. 1-369s1c1	64297	Gprc5b	0.01940022 3	-1.68977085	3.68508170 8	1.52384519 3	-0.957901786
TRCN00000 28206	NM_022420. 1-1128s1c1	64297	Gprc5b	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 28208	NM_022420. 1-3886s1c1	64297	Gprc5b	1.88098760 1	3.40781980 4	3.88919412 7	3.40827436 7	-3.146568975
TRCN00000 28211	NM_022420. 1-1254s1c1	64297	Gprc5b	1.17793037 8	1.19156721 9	1.14076255 8	2.96454824 4	-1.048320821
TRCN00000 28214	NM_198618. 1-2608s1c1	242667	Dlgap3	1.20745942 5	1.19156721 9	3.73346684 1	3.40827436 7	-2.385191963
TRCN00000 28240	NM_198618. 1-2893s1c1	242667	Dlgap3	1.54434378 3	1.36877840 5	3.68508170 8	2.61018576 5	-2.302097415
TRCN00000 28242	NM_198618. 1-742s1c1	242667	Dlgap3	0.01209662 1	1.36877840 5	3.88919412 7	3.40827436 7	-2.16958588
TRCN00000 28261	NM_198618. 1-1306s1c1	242667	Dlgap3	0.77940291 2	0.53603994 1	3.73346684 1	3.24472727 6	-1.805389272
TRCN00000 28290	NM_198618. 1-1605s1c1	242667	Dlgap3	2.03709397 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.675835219
TRCN00000 28683	XM_358310. 1-1236s1c1	110789	Gpr98	2.54842833 7	1.36877840 5	4.10370879 6	3.85148543 3	-1.693886074
TRCN00000 28686	XM_358310. 1-6319s1c1	110789	Gpr98	3.33480830 7	0.58735289 9	0.59947903 9	1.67511500 9	-0.711631309
TRCN00000 28700	XM_358310. 1-2468s1c1	110789	Gpr98	-3.2788815	1.36877840 5	3.73346684 1	3.40827436 7	-2.947350278
TRCN00000 28726	XM_358310. 1-8138s1c1	110789	Gpr98	1.66847534 4	1.36877840 5	4.17376445 5	2.22938084 1	-2.360099761
TRCN00000 28752	XM_358310. 1-4138s1c1	110789	Gpr98	0.53695972 1	-1.21305433	9.06453534 3	3.87182922 8	-3.671594656
TRCN00000 28756	XM_181344. 3-735s1c1	20877	Aurkb	3.18858006 3	1.27745358 8	1.09025774 4	3.40827436 7	-1.696012569
TRCN00000 28760	XM_181344. 3-531s1c1	20877	Aurkb	0.02828902 4	1.36877840 5	3.90241960 7	0.14627807 5	-1.347296766
TRCN00000 28761	NM_145358. 1-1214s1c1	207565	Camkk2	0.27117129 7	2.57353817 8	3.87047940 7	2.84253081 2	-2.389429924
TRCN00000 28774	XM_181344. 3-762s1c1	20877	Aurkb	0.19511819 9	1.73559050 2	3.63826679 6	-5.58929496	-2.692008515
TRCN00000 28776	NM_145358. 1-1516s1c1	207565	Camkk2	0.12443835 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.197671314
TRCN00000 28780	XM_181344. 3-1066s1c1	20877	Aurkb	1.01701605 1	5.85051887 6	4.23945432 6	8.30589063 4	-1.927960534
TRCN00000 28809	NM_145358. 1-533s1c1	207565	Camkk2	1.08610188 9	1.36877840 5	-3.79474962	-3.09784689	-1.793818257
TRCN00000 28815	NM_145358. 1-1043s1c1	207565	Camkk2	1.95562906	1.27745358 8	3.88919412 7	3.24472727 6	-1.613936483
TRCN00000 28840	XM_181344. 3-1231s1c1	20877	Aurkb	0.04961852 5	1.19156721 9	1.08851918	0.59638060 4	0.135737773

TRCN00000 28844	NM_010195. 1-2594s1c1	14160	Lgr5	0.56411832 9	1.11050781 4	2.74630249 4	4.54271307 8	-0.867759182
TRCN00000 28848	NM_010607. 1-1023s1c1	16526	Kcnk2	0.79643150 7	0.24647604	1.94324658 7	5.32122700 5	-1.555391511
TRCN00000 28851	NM_010195. 1-875s1c1	14160	Lgr5	3.59843373 9	2.64190208 5	4.00525930 7	3.40827436 7	-2.092516332
TRCN00000 28853	NM_010607. 1-1162s1c1	16526	Kcnk2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 28859	NM_010607. 1-593s1c1	16526	Kcnk2	1.55207135 9	1.19156721 9	0.39700850 8	10.0441260 1	-2.321653341
TRCN00000 28863	NM_010195. 1-1531s1c1	14160	Lgr5	0.37717910 8	-1.46120823	4.20937172 6	1.32749224 3	-1.843812827
TRCN00000 28904	NM_010195. 1-2671s1c1	14160	Lgr5	0.25207175 1	1.27745358 8	4.52989789 3	2.96454824 4	-2.129956994
TRCN00000 28912	NM_010195. 1-943s1c1	14160	Lgr5	0.82466512 1	1.36877840 5	3.88919412 7	3.40827436 7	-2.372728005
TRCN00000 28922	NM_010607. 1-805s1c1	16526	Kcnk2	0.65415564 1	1.27745358 8	3.95248396 3	3.40827436 7	-2.32309189
TRCN00000 28974	NM_010939. 1-756s1c1	18187	Nrp2	0.15883870 8	0.76206682 4	6.45739996 5	3.35154655 3	-2.603043659
TRCN00000 28975	NM_010939. 1-2356s1c1	18187	Nrp2	1.72153058 6	1.36877840 5	3.88919412 7	1.24442506 9	-2.055982047
TRCN00000 28976	NM_010939. 1-1394s1c1	18187	Nrp2	0.14070756 1	1.19156721 9	1.43594682 7	0.71017280 4	0.203461213
TRCN00000 28978	NM_010939. 1-1032s1c1	18187	Nrp2	0.91617478 4	1.12619138 3	3.81481817 4	0.98871710 7	-1.217116809
TRCN00000 29014	NM_008976. 1-878s1c1	19250	Ptpn14	2.01068620 7	1.11050781 4	4.03007691 7	3.52332754 1	-1.663306516
TRCN00000 29015	NM_008976. 1-1799s1c1	19250	Ptpn14	1.41111319 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.519340024
TRCN00000 29016	NM_008976. 1-3272s1c1	19250	Ptpn14	0.09010347 4	-1.46120823	3.88919412 7	3.40827436 7	-2.21219505
TRCN00000 29018	NM_008976. 1-2866s1c1	19250	Ptpn14	-1.47327297	1.54807117 8	3.88919412 7	1.02104082 5	-1.982894775
TRCN00000 29840	NM_007955. 2-2706s1c1	13924	Ptpnv	1.97517957 3	1.19156721 9	3.68508170 8	2.52836256 1	-1.357457979
TRCN00000 29841	NM_007955. 2-4971s1c1	13924	Ptpnv	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 29842	NM_007955. 2-368s1c1	13924	Ptpnv	-0.24019477	4.33501068 8	3.83539553 5	3.40827436 7	-2.95471884
TRCN00000 29843	NM_007955. 2-3660s1c1	13924	Ptpnv	-2.5673457	1.36877840 5	4.41009144 1	3.40827436 7	-2.938622478
TRCN00000 29859	NM_008737. 1-3359s1c1	18186	Nrp1	2.60443145 4	1.19156721 9	4.36557502 4	3.15551386 4	-1.527056163
TRCN00000 29860	NM_008737. 1-779s1c1	18186	Nrp1	2.51590343 6	1.36877840 5	3.88919412 7	2.52836256 1	-2.575559632

TRCN00000 29861	NM_008737. 1-539s1c1	18186	Nrp1	0.00190958 9	-0.85449665	5.83189393 1	8.16051143 8	-3.711248108
TRCN00000 29862	NM_008737. 1-1777s1c1	18186	Nrp1	2.36719588 8	1.44060578 7	0.59907968 9	0.47701364 7	-0.982466929
TRCN00000 29863	NM_008737. 1-2264s1c1	18186	Nrp1	4.55286390 1	1.27745358 8	3.63590999 4	-3.09784689	-3.141018593
TRCN00000 29864	NM_008905. 1-3026s1c1	19024	Ppfibp2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 29867	NM_008905. 1-2206s1c1	19024	Ppfibp2	0.24180442 7	1.36988341 4	3.72521500 6	3.40827436 7	-2.06539209
TRCN00000 29889	NM_008977. 1-928s1c1	19255	Ptpn2	0.73811139 5	4.95588017 2	4.43640113 9	2.55753873 4	-2.802927163
TRCN00000 29890	NM_008977. 1-1164s1c1	19255	Ptpn2	0.63510360 4	1.19156721 9	3.50630025 6	4.76540888 7	-2.524594992
TRCN00000 29891	NM_008977. 1-1194s1c1	19255	Ptpn2	4.23916038 6	1.36877840 5	3.92234374 5	2.12112686 9	-2.912852351
TRCN00000 29892	NM_008977. 1-758s1c1	19255	Ptpn2	2.81813940 6	1.36877840 5	4.41743936 1	0.99038310 6	-2.39868507
TRCN00000 29893	NM_008977. 1-124s1c1	19255	Ptpn2	4.27605237 4	-0.48162403	0.37061022 9	1.81094597 2	-0.644030051
TRCN00000 29949	NM_008981. 1-3820s1c1	19270	Ptprg	-2.19080893	1.28399704 4	3.92234374 5	3.24472727 6	-2.660469249
TRCN00000 29950	NM_008981. 1-3200s1c1	19270	Ptprg	3.09328243	-1.20293764	4.03007691 7	0.27920257 6	-0.465132388
TRCN00000 29951	NM_008981. 1-2712s1c1	19270	Ptprg	0.06598001 3	5.11385917 4	-4.92793616	3.11453994 3	-3.305578823
TRCN00000 29952	NM_008981. 1-1155s1c1	19270	Ptprg	1.93601738 4	1.36877840 5	3.88919412 7	-1.92255741	-2.279136832
TRCN00000 29953	NM_008981. 1-4084s1c1	19270	Ptprg	0.46226792 2	1.27745358 8	0.61764968 7	1.05096075 1	-0.620949026
TRCN00000 30089	NM_028860. 1-3591s1c1	74302	Mtmr3	1.75642355 1	1.45674636 1	3.87047940 7	3.40827436 7	-1.744769146
TRCN00000 30092	NM_028860. 1-2477s1c1	74302	Mtmr3	0.44277310 7	3.97535576 8	-4.1237001	7.38455922 9	-3.981597051
TRCN00000 30093	NM_028860. 1-3132s1c1	74302	Mtmr3	1.66384377 5	1.27745358 8	0.36100718 7	0.46792624 6	-0.528090983
TRCN00000 30454	NM_177169. 2-2604s1c1	320477	UNK	-2.05103817	1.36877840 5	3.88919412 7	2.96454824 4	-2.568389737
TRCN00000 30455	NM_177169. 2-2414s1c1	320477	UNK	-1.49210627	1.36877840 5	3.78353119 7	4.16191291 1	-2.701582196
TRCN00000 30456	NM_177169. 2-2616s1c1	320477	UNK	0.50038869 1	4.13700659 5	3.67987159 6	2.52836256 1	-0.392709718
TRCN00000 30457	NM_177169. 2-2525s1c1	320477	UNK	2.89288944 8	1.36877840 5	3.31008489 4	3.40827436 7	-2.745006779
TRCN00000 30564	NM_019861. 1-863s1c1	56464	Ctsf	0.54495311 4	1.36877840 5	6.23403420 2	4.26553852 9	-3.103326063

TRCN00000 30565	NM_019861. 1-554slc1	56464	Ctsf	1.09024728 8	1.36877840 5	0.31117648 2	2.19389277 7	-0.695900094
TRCN00000 30566	NM_019861. 1-1390slc1	56464	Ctsf	0.10099245 5	1.36877840 5	3.92234374 5	1.59237584 3	-1.746122612
TRCN00000 30568	NM_019861. 1-686slc1	56464	Ctsf	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048
TRCN00000 30634	NM_007798. 1-536slc1	13030	Ctsb	1.29645609 4	1.27745358 8	4.41009144 1	1.27697811 4	-1.426755752
TRCN00000 30635	NM_007798. 1-373slc1	13030	Ctsb	2.63888332 3	1.27745358 8	3.78353119 7	3.24472727 6	-1.416707185
TRCN00000 30636	NM_007798. 1-483slc1	13030	Ctsb	1.38047222 1	1.27745358 8	3.77202991 8	3.40827436 7	-2.459557524
TRCN00000 30637	NM_007798. 1-905slc1	13030	Ctsb	1.12433215 9	1.11050781 4	2.11954298 3	2.43719965 6	-1.135729574
TRCN00000 30644	NM_009982. 2-219slc1	13032	Ctsc	0.68125166 2	1.36877840 5	1.31909932 8	3.26801146 4	-0.999735551
TRCN00000 30645	NM_009982. 2-1080slc1	13032	Ctsc	-0.40038728	0.51556928 8	9.74596380 9	11.1761430 1	-5.459515847
TRCN00000 30646	NM_009982. 2-1436slc1	13032	Ctsc	0.08734784 2	4.72148028 9	0.00501738	-2.80549408	-1.858652287
TRCN00000 30647	NM_009982. 2-324slc1	13032	Ctsc	0.56760380 3	5.05332803 1	6.29321031 3	1.43516916 6	-3.337327828
TRCN00000 30648	NM_009982. 2-1298slc1	13032	Ctsc	2.69037196 9	1.36877840 5	-3.34725094	3.40827436 7	-2.70366892
TRCN00000 30749	NM_016808. 1-286slc1	53376	Usp2	0.33222767 4	1.36877840 5	3.97614233 7	2.96454824 4	-2.160424165
TRCN00000 30750	NM_016808. 1-786slc1	53376	Usp2	0.25203873 7	5.32423317 4	0.88720517 5	1.45041510 2	-1.852453679
TRCN00000 30751	NM_016808. 1-457slc1	53376	Usp2	0.22412086 8	-1.46120823	3.83539553 5	3.40827436 7	-2.23224975
TRCN00000 30752	NM_016808. 1-595slc1	53376	Usp2	0.62983576 8	-0.24692441	3.97614233 7	3.40827436 7	-2.065294221
TRCN00000 30753	NM_016808. 1-754slc1	53376	Usp2	0.44195263 4	1.36877840 5	4.41009144 1	4.53885188 3	-2.468942274
TRCN00000 30754	NM_021522. 2-1842slc1	59025	Usp14	0.37173293 8	0.82534563 1	1.10721420 2	2.87019478 3	0.695082604
TRCN00000 30755	NM_021522. 2-1330slc1	59025	Usp14	0.84736413 2	1.05332236 6	2.10469367 5	7.06590898 8	-2.76782229
TRCN00000 30756	NM_021522. 2-1111slc1	59025	Usp14	1.30195983 6	0.50041113 5	4.35256303 9	4.08868316 6	-2.310698727
TRCN00000 30757	NM_021522. 2-610slc1	59025	Usp14	1.27263827 7	1.27745358 8	3.68508170 8	1.14616972 5	-1.209016686
TRCN00000 30758	NM_021522. 2-187slc1	59025	Usp14	0.40344907 8	1.25473610 8	3.78353119 7	2.43719965 6	-1.342360956
TRCN00000 30935	NM_173754. 2-436slc1	216835	Usp43	0.01940022 3	1.11050781 4	3.95248396 3	3.24472727 6	-2.072079708

TRCN00000 30937	NM_173754. 2-2901s1c1	216835	Usp43	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 30939	NM_174874. 1-800s1c1	66615	Atg4b	0.92463685 2	1.19156721 9	-5.15923535	1.49699900 2	-0.982291679
TRCN00000 30940	NM_174874. 1-384s1c1	66615	Atg4b	1.11428140 5	0.33627651 5	3.72521500 6	0.74548399 4	-1.48031423
TRCN00000 30941	NM_174874. 1-501s1c1	66615	Atg4b	-0.81940663	1.36877840 5	3.88919412 7	3.40827436 7	-2.371413382
TRCN00000 30942	NM_174874. 1-131s1c1	66615	Atg4b	0.18222395 9	2.12108431 4	1.07436846 8	0.33535708 3	-0.837146477
TRCN00000 30943	NM_174874. 1-1052s1c1	66615	Atg4b	2.21864856 7	3.33570923 9	4.20937172 6	3.40827436 7	-3.293000975
TRCN00000 30989	NM_173369. 1-1807s1c1	74256	Cyld	0.19187875 7	-1.46120823	3.83539553 5	3.52332754 1	-2.252952516
TRCN00000 30990	NM_173369. 1-1441s1c1	74256	Cyld	2.17818332	0.89152777 5	1.48159416 7	3.05115752 5	-0.070726953
TRCN00000 30991	NM_173369. 1-2356s1c1	74256	Cyld	0.14188839 9	4.35426107 6	3.68508170 8	4.39169488 5	-0.966100979
TRCN00000 30992	NM_173369. 1-767s1c1	74256	Cyld	0.00052253 4	0.38370811 5	3.59324846 6	0.14885575 5	-0.956894573
TRCN00000 30993	NM_173369. 1-2010s1c1	74256	Cyld	3.20693035 7	1.44607881 9	3.83539553 5	0.54820449 9	-1.985050053
TRCN00000 31146	NM_027286. 1-457s1c1	70008	Ace2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 31147	NM_027286. 1-1051s1c1	70008	Ace2	0.09740707 6	1.36877840 5	3.97614233 7	3.40827436 7	-2.163947008
TRCN00000 31259	NM_008607. 1-2043s1c1	17386	Mmp13	1.67455747 7	0.76427520 5	1.83329605 1	2.78548143 8	-1.764402543
TRCN00000 31260	NM_008607. 1-214s1c1	17386	Mmp13	1.71817154 1	5.32204262 9	0.25712309 2	3.83375501 9	-2.78277307
TRCN00000 31261	NM_008607. 1-1039s1c1	17386	Mmp13	0.25389553 1	2.57579119 3	2.11143109 2	9.34995878 6	-3.572769151
TRCN00000 31262	NM_008607. 1-725s1c1	17386	Mmp13	-1.90102399	1.36877840 5	4.13573984 7	1.08272697 9	-1.580703816
TRCN00000 31263	NM_008607. 1-133s1c1	17386	Mmp13	0.31313040 5	1.59712432 8	0.96964426 3	4.69404511 5	-1.893486028
TRCN00000 31354	NM_028906. 2-504s1c1	74388	Dpp8	-0.53911057	-1.46120823	3.78353119 7	5.85697933 4	-2.910207333
TRCN00000 31355	NM_028906. 2-2294s1c1	74388	Dpp8	1.83859174 4	1.27745358 8	2.92028713 1	0.41511133 5	-1.61286095
TRCN00000 31356	NM_028906. 2-2945s1c1	74388	Dpp8	0.85398324 9	1.03376155 7	3.60740175 4	2.11984592 8	-1.476756498
TRCN00000 31357	NM_028906. 2-942s1c1	74388	Dpp8	2.80322088 4	1.27745358 8	3.83539553 5	3.24472727 6	-2.790199321
TRCN00000 31358	NM_028906. 2-1869s1c1	74388	Dpp8	0.22917592 1	0.96266877 5	3.88919412 7	0.57600921 3	-1.299674049

TRCN00000 31634	NM_133969. 1-2472s1c1	102294	Cyp4v3	0.45647103 1	-1.46120823	4.17376445 5	5.49968968 1	-2.669547834
TRCN00000 31636	NM_133969. 1-404s1c1	102294	Cyp4v3	0.76443172 9	1.27745358 8	4.00434830 1	1.95992585 6	-2.001539869
TRCN00000 31637	NM_133969. 1-804s1c1	102294	Cyp4v3	1.33407218 8	0.64744056 8	7.28332550 6	2.74262233 6	-2.334829056
TRCN00000 31638	NM_133969. 1-479s1c1	102294	Cyp4v3	0.76006939 5	3.59774512 9	1.16903271 3	3.15551386 4	-1.586073919
TRCN00000 31699	NM_012055. 1-788s1c1	27053	Asns	1.43575109 2	-1.20293764	4.41743936 1	3.40827436 7	-1.898225069
TRCN00000 31700	NM_012055. 1-1397s1c1	27053	Asns	2.57538648 8	-0.04583026	7.40505006 4	7.68069321 8	-4.426740008
TRCN00000 31701	NM_012055. 1-299s1c1	27053	Asns	2.14788607 8	1.14018531 3	4.41009144 1	3.85148543 3	-2.887412066
TRCN00000 31702	NM_012055. 1-1603s1c1	27053	Asns	0.12111295 5	3.60030245	-4.59031928	2.78673064 6	0.418900215
TRCN00000 31703	NM_012055. 1-821s1c1	27053	Asns	2.45789903 7	1.27745358 8	4.03007691 7	-3.09784689	-1.48686959
TRCN00000 31784	NM_007403. 1-1151s1c1	11501	Adam8	0.61553431 5	1.27745358 8	-3.16065952	2.43719965 6	-1.564944612
TRCN00000 31786	NM_007403. 1-542s1c1	11501	Adam8	2.35580303 7	1.27745358 8	3.83946910 5	5.83707359 7	-3.327449832
TRCN00000 31787	NM_007403. 1-1956s1c1	11501	Adam8	0.14763321 4	1.36877840 5	3.83539553 5	-3.09784689	-2.038596904
TRCN00000 31788	NM_007403. 1-87s1c1	11501	Adam8	1.62321595 5	4.51829072 8	3.88919412 7	0.66069943 1	-2.67285006
TRCN00000 31990	NM_011119. 1-1094s1c1	18813	Pa2g4	0.37050611 8	0.66091680 3	0.77244056 4	4.33847780 6	-1.149365041
TRCN00000 31991	NM_011119. 1-495s1c1	18813	Pa2g4	0.28025967 9	1.27745358 8	3.82041505 1	3.24472727 6	-2.155713899
TRCN00000 31992	NM_011119. 1-1215s1c1	18813	Pa2g4	2.43760849 7	1.12619138 3	4.42423496 4	4.16191291 1	-1.81868269
TRCN00000 31993	NM_011119. 1-1161s1c1	18813	Pa2g4	0.69385388 6	0.58735289 9	3.88031094 5	4.52020945 5	-2.420431796
TRCN00000 32089	NM_008939. 1-659s1c1	19142	Prss12	0.34339342	1.27745358 8	3.87047940 7	0.01436782 9	-1.197542937
TRCN00000 32090	NM_008939. 1-1790s1c1	19142	Prss12	0.28694497 2	1.36877840 5	3.87047940 7	3.24472727 6	-2.192732515
TRCN00000 32091	NM_008939. 1-2228s1c1	19142	Prss12	2.68556831 5	1.36877840 5	3.78353119 7	2.96454824 4	-1.357822383
TRCN00000 32092	NM_008939. 1-923s1c1	19142	Prss12	0.27218014 2	1.36988341 4	4.33535740 3	6.28327604 6	-3.065174251
TRCN00000 32093	NM_008939. 1-1685s1c1	19142	Prss12	0.09740707 6	1.36877840 5	4.13573984 7	3.40827436 7	-2.203846386
TRCN00000 32329	NM_172880. 1-865s1c1	243084	Tmprss11e	1.82081892 4	-1.46120823	4.27942738 5	3.40827436 7	-1.832022765

TRCN00000 32330	NM_172880. 1-589s1c1	243084	Tmprss11e	0.41627405 5	1.36877840 5	3.83539553 5	2.00616828 6	-1.90665407
TRCN00000 32332	NM_172880. 1-832s1c1	243084	Tmprss11e	-0.59265938	1.36877840 5	4.24057524 9	3.40827436 7	-2.40257185
TRCN00000 32333	NM_172880. 1-1073s1c1	243084	Tmprss11e	0.09764285 7	1.27745358 8	3.88919412 7	1.20628731 2	-1.568823043
TRCN00000 32384	NM_011872. 2-170s1c1	23993	Klk7	1.66481477 1	3.61991321 8	2.23297729 9	3.73807408 3	0.944907801
TRCN00000 32385	NM_011872. 2-793s1c1	23993	Klk7	0.14188839 9	1.19156721 9	3.83539553 5	3.24472727 6	-2.103394607
TRCN00000 32386	NM_011872. 2-389s1c1	23993	Klk7	0.02273175 4	1.36988341 4	5.43800200 1	1.09757393 3	-1.970681899
TRCN00000 32387	NM_011872. 2-662s1c1	23993	Klk7	2.54828262 4	1.36877840 5	3.88919412 7	2.96454824 4	-2.69270085
TRCN00000 32517	NM_020569. 1-244s1c1	57320	Park7	1.71293985 3	1.27745358 8	3.78353119 7	3.40827436 7	-2.545549751
TRCN00000 32518	NM_020569. 1-341s1c1	57320	Park7	0.54994031 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.015626998
TRCN00000 32534	NM_029614. 2-1186s1c1	76453	Prss23	1.60886724 3	1.25473610 8	3.78353119 7	1.87736337 6	-1.503756427
TRCN00000 32535	NM_029614. 2-238s1c1	76453	Prss23	0.77198339 8	1.36877840 5	1.05311041 8	3.40827436 7	-1.264544948
TRCN00000 32536	NM_029614. 2-1215s1c1	76453	Prss23	0.33937303 9	-1.21305433	2.60986916 3	2.62228835 5	-1.696146222
TRCN00000 32537	NM_029614. 2-355s1c1	76453	Prss23	0.39194213 9	1.41390758 7	0.95566718 2	2.05185553 7	0.177415343
TRCN00000 32538	NM_029614. 2-692s1c1	76453	Prss23	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 32859	NM_145919. 1-355s1c1	68644	Abhd14a	0.91023878 6	1.36877840 5	2.17564739 7	-3.09784689	-1.88812787
TRCN00000 32861	NM_145919. 1-977s1c1	68644	Abhd14a	0.58973755 7	1.36877840 5	3.97614233 7	3.52332754 1	-2.36449646
TRCN00000 32863	NM_145919. 1-824s1c1	68644	Abhd14a	0.22412086 8	1.27745358 8	3.88919412 7	3.40827436 7	-2.199760738
TRCN00000 33139	NM_011156. 2-1457s1c1	19072	Prep	0.65092143 9	1.36877840 5	3.88919412 7	3.24472727 6	-2.288405312
TRCN00000 33141	NM_011156. 2-165s1c1	19072	Prep	2.14400272 7	1.36877840 5	0.00493856 1	3.40827436 7	-0.657027871
TRCN00000 33142	NM_011156. 2-1948s1c1	19072	Prep	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 33143	NM_011156. 2-939s1c1	19072	Prep	0.17733394	1.27745358 8	3.88919412 7	3.40827436 7	-2.099397036
TRCN00000 33249	NM_012006. 1-1226s1c1	26897	Acot1	-1.18831826	1.36877840 5	3.78353119 7	3.40827436 7	-2.437225557
TRCN00000 33251	NM_012006. 1-875s1c1	26897	Acot1	0.04230001 8	1.36877840 5	3.83539553 5	0.50981404 1	-1.16301497

TRCN00000 33252	NM_012006. 1-1241s1c1	26897	Acot1	0.12411583 9	1.27745358 8	3.88919412 7	3.80296188 7	-2.27343136
TRCN00000 33253	NM_012006. 1-995s1c1	26897	Acot1	0.82991629 2	1.19156721 9	3.88919412 7	3.67020792 7	-1.980263245
TRCN00000 34354	NM_009025. 1-1853s1c1	19414	Rasa3	0.02715322 2	0.89152777 5	0.43146634 5	2.86268030 8	-1.039630302
TRCN00000 34355	NM_009025. 1-1001s1c1	19414	Rasa3	0.51037173 4	1.54146120 3	5.42142701 5	3.02807960 8	-2.62533489
TRCN00000 34356	NM_009025. 1-165s1c1	19414	Rasa3	1.41139428 5	0.02831309 2	3.63826679 6	2.84918163 9	0.162655555
TRCN00000 34357	NM_009025. 1-1521s1c1	19414	Rasa3	0.40588483 7	1.36877840 5	4.05814689 3	1.98575845 3	-1.954642147
TRCN00000 34358	NM_009025. 1-2034s1c1	19414	Rasa3	0.32808494 3	2.70322064 1	3.88919412 7	3.40827436 7	-2.58219352
TRCN00000 34429	NM_008142. 2-1481s1c1	14688	Gnb1	1.05463613 7	1.36877840 5	3.97614233 7	2.05185553 7	-2.112853104
TRCN00000 34430	NM_008142. 2-383s1c1	14688	Gnb1	0.23103728 6	0.42853401 4	3.88919412 7	3.24472727 6	-1.734106169
TRCN00000 34431	NM_008142. 2-1088s1c1	14688	Gnb1	0.98691494 7	-1.46120823 -	3.92234374 5	2.84253081 2	-2.303249434
TRCN00000 34432	NM_008142. 2-821s1c1	14688	Gnb1	0.28694497 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.22484832
TRCN00000 34433	NM_008142. 2-348s1c1	14688	Gnb1	-0.06740093 -	2.82854081 3	1.21052975 1	1.37369994 3	0.649492423
TRCN00000 34481	NM_013834. 1-1105s1c1	20377	Sfrp1	1.01196132 8	3.70758253 -	6.60819895 5	4.86386490 1	-2.194110664
TRCN00000 34482	NM_013834. 1-849s1c1	20377	Sfrp1	1.86153222 5	1.36877840 5	4.08194125 4	2.62567687 4	-2.48448219
TRCN00000 34483	NM_013834. 1-352s1c1	20377	Sfrp1	-1.30070353 -	1.36877840 5	3.88919412 7	3.40827436 7	-2.491737607
TRCN00000 37065	NM_010317. 2-301s1c1	14706	Gng4	0.61472762 3	1.27745358 8	3.42458491 6	3.67020792 7	-2.246743514
TRCN00000 37067	NM_010317. 2-381s1c1	14706	Gng4	0.01940022 3	1.11050781 4	-3.71791455 -	3.24472727 6	-2.013437354
TRCN00000 37089	NM_011880. 1-1357s1c1	24012	Rgs7	1.54498133 4	1.36877840 5	3.88919412 7	0.57034391 9	-1.558152487
TRCN00000 37090	NM_011880. 1-270s1c1	24012	Rgs7	0.01940022 3	1.27745358 8	3.82041505 1	3.40827436 7	-2.121685696
TRCN00000 37092	NM_011880. 1-1416s1c1	24012	Rgs7	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 37237	XM_357155. 1-597s1c1	383614	UNK	3.73536328 9	1.27745358 8	3.97614233 7	3.24472727 6	-3.058421623
TRCN00000 37304	NM_030706. 1-3074s1c1	80890	Trim2	1.38367559 6	-0.53352013 -	1.48115823 8	5.35941180 5	-1.497603644
TRCN00000 37305	NM_030706. 1-321s1c1	80890	Trim2	0.48109204 6	1.44321010 6	2.22955018 7	1.54400859 5	-1.183919211

TRCN00000 37306	NM_030706. 1-2042s1c1	80890	Trim2	0.58609272 3	6.01961569 2	1.17141133 9	3.83375501 9	-2.317013024
TRCN00000 37307	NM_030706. 1-825s1c1	80890	Trim2	0.13909099 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.131788976
TRCN00000 37314	NM_019912. 1-2073s1c1	56550	Ube2d2	2.72133853 3	1.36877840 5	0.24359064 6	-3.09784689	-1.857888619
TRCN00000 37315	NM_019912. 1-577s1c1	56550	Ube2d2	2.32194321 2	-2.15772104	3.83539553 5	2.62567687 4	-2.735184165
TRCN00000 37316	NM_019912. 1-723s1c1	56550	Ube2d2	0.63316410 1	3.41783068 1	8.37465502 4	3.24472727 6	-2.20867893
TRCN00000 37317	NM_019912. 1-479s1c1	56550	Ube2d2	0.81807925 7	1.36877840 5	3.97614233 7	3.40827436 7	-1.983778963
TRCN00000 37318	NM_019912. 1-459s1c1	56550	Ube2d2	0.8447103	0.96089254 1	0.90787645 2	9.58890247 2	-2.653240291
TRCN00000 37344	NM_178779. 2-648s1c1	320311	Rnf152	1.63351998 9	1.27745358 8	2.81754389 7	0.23830353 7	-1.372553484
TRCN00000 37345	NM_178779. 2-1134s1c1	320311	Rnf152	0.02305437 3	1.36877840 5	3.97614233 7	3.28200110 4	-2.162494055
TRCN00000 37346	NM_178779. 2-809s1c1	320311	Rnf152	0.53949647 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.301435844
TRCN00000 37347	NM_178779. 2-842s1c1	320311	Rnf152	0.87716102 2	1.19156721 9	0.95158831 5	1.63894370 9	-0.250440398
TRCN00000 39044	NM_008234. 2-1177s1c1	15201	Hells	-1.77008936	1.61797685 9	4.08194125 4	3.59616935 6	-1.957555778
TRCN00000 39045	NM_008234. 2-1766s1c1	15201	Hells	0.26906832 4	4.40166451 1	5.95294546 1	4.73159743 4	-1.503452515
TRCN00000 39046	NM_008234. 2-582s1c1	15201	Hells	0.34640985 9	1.11050781 4	5.94341774 9	3.24472727 6	-2.661265675
TRCN00000 39047	NM_008234. 2-2258s1c1	15201	Hells	-0.30569771	0.74416662 7	-3.22553227	5.91113191 2	-2.54663213
TRCN00000 39048	NM_008234. 2-1010s1c1	15201	Hells	0.91496509 9	1.03376155 7	2.04400632 2	8.92086561 4	-3.228399648
TRCN00000 39049	NM_010610. 1-2691s1c1	16531	Kcnma1	1.64443094 7	1.27745358 8	3.78353119 7	3.24472727 6	-2.487535752
TRCN00000 39050	NM_010610. 1-957s1c1	16531	Kcnma1	0.48898967 2	-0.10036482	0.29875307 6	1.74208568 1	0.607365902
TRCN00000 39051	NM_010610. 1-2950s1c1	16531	Kcnma1	1.52590948 6	1.27745358 8	3.73346684 1	4.34399924 4	-2.72020729
TRCN00000 39052	NM_010610. 1-1350s1c1	16531	Kcnma1	0.86486147 4	-1.46120823	3.92234374 5	-1.64242105	-1.540277888
TRCN00000 39053	NM_010610. 1-376s1c1	16531	Kcnma1	2.27372285 2	1.29747333 7	4.32883477 6	5.47720784 1	-2.695573033
TRCN00000 39064	NM_010773. 1-868s1c1	17191	Mbd2	0.25313129 1	1.36877840 5	3.88919412 7	3.24472727 6	-2.062392129
TRCN00000 39065	NM_010773. 1-1286s1c1	17191	Mbd2	0.00141879 2	1.36877840 5	3.88919412 7	3.67020792 7	-2.231690417

TRCN00000 39066	NM_010773. 1-952s1c1	17191	Mbd2	2.74528392 4	1.28980058 7	4.03007691 7	1.61719185 7	-1.611992393
TRCN00000 39067	NM_010773. 1-1055s1c1	17191	Mbd2	1.41737668 9	1.36877840 5	2.74135393 4	3.40827436 7	-2.233945849
TRCN00000 39174	NM_029669. 2-1752s1c1	76594	Dnajc18	0.37510072 3	1.27745358 8	3.78353119 7	3.24472727 6	-1.982652835
TRCN00000 39175	NM_029669. 2-478s1c1	76594	Dnajc18	0.30292713 8	6.19841124 5	0.00360243 6	3.03865533 5	-2.232634252
TRCN00000 39176	NM_029669. 2-936s1c1	76594	Dnajc18	0.12466664 5	1.05332236 6	5.67601900 4	2.53446086 6	-2.284783898
TRCN00000 39177	NM_029669. 2-93s1c1	76594	Dnajc18	0.24598717	1.11050781 4	3.87047940 7	1.23862150 3	-1.493405389
TRCN00000 39178	NM_029669. 2-810s1c1	76594	Dnajc18	1.55622564 6	1.36877840 5	3.71140983 1	2.61937342 9	-1.535834005
TRCN00000 39404	NM_020004. 1-841s1c1	14534	Gcn5l2	0.51793235 2	3.80214880 7	4.24220004 7	4.14340448 7	-2.917455247
TRCN00000 39405	NM_020004. 1-1996s1c1	14534	Gcn5l2	0.05621585 1	0.54095764 8	5.49020611 9	2.42743016 2	-1.830115696
TRCN00000 39408	NM_020004. 1-1770s1c1	14534	Gcn5l2	0.82880985 2	1.27745358 8	1.28245745 5	0.90201159 2	-1.072683122
TRCN00000 40843	NM_153503. 1-946s1c1	69942	Rnf113a1	0.17141156 4	0.59060774 9	-8.01615406	8.69981099 8	-4.283790311
TRCN00000 40845	NM_153503. 1-425s1c1	69942	Rnf113a1	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 41008	NM_019927. 1-320s1c1	23806	Arih1	0.87102288 4	1.03376155 7	-2.20235776	2.84253081 2	-1.737418253
TRCN00000 41009	NM_019927. 1-1399s1c1	23806	Arih1	4.39411133 4	5.34593517 7	2.61610492 1	1.96928981 3	0.076252184
TRCN00000 41012	NM_019927. 1-1033s1c1	23806	Arih1	0.89181269 6	3.56395795 1	3.59353768 2	0.90653866 2	-0.011076424
TRCN00000 41231	XM_356116. 1-666s1c1	382043	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 41278	NM_011723. 1-3025s1c1	22436	Xdh	0.73081680 7	-1.20293764	4.63082697 6	0.79227044 7	-1.443077744
TRCN00000 41279	NM_011723. 1-622s1c1	22436	Xdh	0.59220307	-1.20293764	3.82041505 1	2.84253081 2	-1.818420108
TRCN00000 41280	NM_011723. 1-2725s1c1	22436	Xdh	0.36640429 8	0.51556928 8	3.77202991 8	-3.09784689	-1.75476045
TRCN00000 41281	NM_011723. 1-212s1c1	22436	Xdh	-2.39666578	1.27745358 8	0.85486815 3	3.24472727 6	-1.515994623
TRCN00000 41282	NM_011723. 1-3588s1c1	22436	Xdh	2.43868011 5	1.30766319 7	4.79628988 2	4.57719289 9	-3.279956523
TRCN00000 41315	XM_356492. 1-93s1c1	382412	UNK	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 41389	NM_019546. 4-731s1c1	56189	Prodh2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669

TRCN00000 41391	NM_019546. 4-1227s1c1	56189	Prodh2	0.09010347 4	1.70752493 8	4.05814689 3	3.24472727 6	-2.275125645
TRCN00000 41408	NM_138665. 1-737s1c1	192166	Sardh	0.04161653 1	0.76206682 4	3.78353119 7	2.52836256 1	-1.758086013
TRCN00000 41409	NM_138665. 1-1813s1c1	192166	Sardh	1.12945257 2	1.36877840 5	3.78353119 7	-1.16913182	-1.862723499
TRCN00000 41410	NM_138665. 1-286s1c1	192166	Sardh	0.80524125 8	1.19156721 9	3.97614233 7	3.40827436 7	-2.345306295
TRCN00000 41412	NM_138665. 1-699s1c1	192166	Sardh	0.76959675 6	1.27745358 8	3.90241960 7	1.96948924 6	-1.594941421
TRCN00000 41418	NM_019826. 2-1269s1c1	56357	Ivd	0.65168164 2	1.36877840 5	3.88919412 7	2.43719965 6	-1.760872637
TRCN00000 41419	NM_019826. 2-168s1c1	56357	Ivd	1.00318039 5	1.19156721 9	4.00525930 7	3.59616935 6	-1.947453872
TRCN00000 41421	NM_019826. 2-628s1c1	56357	Ivd	0.84367153 1	0.38583299 7	1.80043788 9	1.95363060 6	-0.631140992
TRCN00000 41422	NM_019826. 2-454s1c1	56357	Ivd	2.48900459 9	3.88686853 4	3.81481817 4	2.43719965 6	-1.213538474
TRCN00000 41444	NM_008062. 1-104s1c1	14381	G6pdx	-2.10885285	1.36877840 5	3.78353119 7	2.96454824 4	-2.556427674
TRCN00000 41445	NM_008062. 1-881s1c1	14381	G6pdx	0.18601388 2	1.11050781 4	3.93162742 7	2.73003321 3	-1.896538643
TRCN00000 41446	NM_008062. 1-228s1c1	14381	G6pdx	0.38200204 3	4.19397761 9	1.98394299 5	2.42874714 1	-1.255195952
TRCN00000 41447	NM_008062. 1-1309s1c1	14381	G6pdx	0.58788710 2	1.36877840 5	0.87316833 2	1.55838991 3	-0.366528221
TRCN00000 41494	NM_010274. 2-2071s1c1	14571	Gpd2	0.18254581 4	3.15983358 1	3.54896178 4	2.42158618 8	-0.748315051
TRCN00000 41495	NM_010274. 2-1261s1c1	14571	Gpd2	2.07528359 6	1.19156721 9	3.88919412 7	2.04835323 6	-0.239281129
TRCN00000 41496	NM_010274. 2-2236s1c1	14571	Gpd2	3.93744092 1	1.27745358 8	3.95248396 3	1.30365460 5	-1.965930967
TRCN00000 41497	NM_010274. 2-1891s1c1	14571	Gpd2	0.65092143 9	1.36877840 5	4.00434830 1	3.40827436 7	-2.358080628
TRCN00000 41539	NM_008278. 1-592s1c1	15446	Hpgd	-0.94229951	-0.29090883	4.50192002 7	2.22453425 9	-1.989915657
TRCN00000 41540	NM_008278. 1-764s1c1	15446	Hpgd	0.16218791 7	1.64664684 2	3.28515743 5	2.73003321 3	-1.956006352
TRCN00000 41541	NM_008278. 1-116s1c1	15446	Hpgd	0.60190652 9	1.19156721 9	3.92234374 5	1.09040782 3	-1.156352418
TRCN00000 41542	NM_008278. 1-464s1c1	15446	Hpgd	2.76984165 5	1.36877840 5	0.42080591 2	3.59616935 6	-0.653978005
TRCN00000 41743	NM_010699. 1-1484s1c1	16828	Ldha	0.23375951 3	1.19156721 9	3.88919412 7	3.40827436 7	-2.06381905
TRCN00000 41744	NM_010699. 1-537s1c1	16828	Ldha	1.37322506 8	1.19156721 9	2.97355472 2	1.54752007 7	-1.771466772

TRCN00000 41745	NM_010699. 1-603slc1	16828	Ldha	2.13855987 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.701201694
TRCN00000 41746	NM_010699. 1-434slc1	16828	Ldha	0.67593364 3	1.45674636 1	3.73346684 1	3.15551386 4	-1.917448356
TRCN00000 41747	NM_010699. 1-822slc1	16828	Ldha	2.52896428 1	-1.68977085	4.05814689 3	-2.17352197	-2.612600999
TRCN00000 41778	NM_021557. 2-794slc1	17252	Rdh11	0.60616643 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.015020116
TRCN00000 41779	NM_021557. 2-1199slc1	17252	Rdh11	0.23190025 1	3.90570005 8	0.11905888 4	1.94830971 5	1.491712785
TRCN00000 41780	NM_021557. 2-998slc1	17252	Rdh11	0.81407471 6	0.76206682 4	4.22031062 2	0.42368328 8	-1.343192219
TRCN00000 41782	NM_021557. 2-1222slc1	17252	Rdh11	0.17139683 8	5.70543088 4	1.86521324 4	0.32579693 2	-2.016959475
TRCN00000 41783	NM_029573. 2-662slc1	67834	Idh3a	3.43738907 9	1.36877840 5	3.82041505 1	-3.09784689	-2.931107356
TRCN00000 41784	NM_029573. 2-759slc1	67834	Idh3a	0.31179703 4	0.96795576 5	-6.05745406	4.80572553 1	-2.551755215
TRCN00000 41785	NM_029573. 2-202slc1	67834	Idh3a	0.03639032 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.134772533
TRCN00000 41786	NM_029573. 2-324slc1	67834	Idh3a	1.17099026 5	5.77533834 5	1.55327699 7	3.05115752 5	-2.111052285
TRCN00000 41787	NM_029573. 2-733slc1	67834	Idh3a	0.47118183 2	1.36988341 4	2.75958131 9	0.55288500 6	-1.288382893
TRCN00000 41800	NM_0010013 03.1-548slc1	407972	Gapdh	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 41801	NM_0010013 03.1-997slc1	407972	Gapdh	0.19187875 7	1.19156721 9	3.83539553 5	3.40827436 7	-2.15677897
TRCN00000 41802	NM_0010013 03.1-457slc1	407972	Gapdh	2.23552644 4	0.13189363 4	3.78353119 7	3.24472727 6	-2.282972821
TRCN00000 41813	NM_008638. 1-1032slc1	17768	Mthfd2	1.12949281 9	1.36877840 5	3.78353119 7	1.22209810 6	-0.700179669
TRCN00000 41814	NM_008638. 1-319slc1	17768	Mthfd2	0.44295309 6	1.12619138 3	4.35629284 9	6.50445925 7	-2.885997598
TRCN00000 41817	NM_008638. 1-175slc1	17768	Mthfd2	0.95844156 7	-3.89015015	2.95761677 4	1.43010438 5	-1.594026027
TRCN00000 41898	NM_175177. 3-829slc1	71911	Bdh1	1.43549864 3	1.36877840 5	1.93032521 9	1.40793588 8	-0.817885217
TRCN00000 41899	NM_175177. 3-1080slc1	71911	Bdh1	2.12181568 4	1.19156721 9	4.82526330 6	1.94489662 4	-1.548437396
TRCN00000 41900	NM_175177. 3-1237slc1	71911	Bdh1	0.03986741 5	1.36877840 5	3.88919412 7	3.40827436 7	-2.176528579
TRCN00000 41901	NM_175177. 3-340slc1	71911	Bdh1	0.19187875 7	1.36877840 5	3.68508170 8	1.45188272 5	-1.674405399
TRCN00000 41974	NM_153133. 1-603slc1	103142	Rdh9	2.23395685 2	1.03376155 7	3.73346684 1	0.63800539 3	-1.909797661

TRCN00000 41975	NM_153133. 1-441s1c1	103142	Rdh9	1.79757831 2	2.47228888 2	3.63826679 6	-3.09784689	-1.515350779
TRCN00000 42138	NM_008898. 1-1949s1c1	18984	Por	2.84420109 7	0.87148645 5	3.83539553 5	3.86334206 5	-2.417863061
TRCN00000 42139	NM_008898. 1-279s1c1	18984	Por	0.26471403 2	1.10195002 6	2.16325826 4	-3.25223202	-1.56318157
TRCN00000 42140	NM_008898. 1-946s1c1	18984	Por	0.79731859 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.352441725
TRCN00000 42141	NM_008898. 1-163s1c1	18984	Por	0.85086494 2	1.27745358 8	3.88919412 7	4.16191291 1	-2.544856392
TRCN00000 42343	NM_013711. 1-642s1c1	26462	Txnrd2	2.89614625 9	1.36877840 5	-5.85598621	3.24472727 6	-3.341409538
TRCN00000 42344	NM_013711. 1-1462s1c1	26462	Txnrd2	1.27537423 3	1.36877840 5	0.71086999 1	2.52836256 1	-1.115411302
TRCN00000 42345	NM_013711. 1-148s1c1	26462	Txnrd2	0.65169695 6	0.86543486 9	3.88919412 7	3.40827436 7	-1.877801602
TRCN00000 42346	NM_013711. 1-403s1c1	26462	Txnrd2	1.63486831 9	0.67978272 5	1.26774457 3	7.39419806 1	-2.74414842
TRCN00000 42347	NM_013711. 1-1373s1c1	26462	Txnrd2	0.24618479 5	-1.21305433	2.08778681 1	10.1251741 3	-3.418050017
TRCN00000 42413	NM_008675. 1-767s1c1	17965	Nbl1	0.28869312 8	1.27745358 8	0.90497019 5	1.41057684 7	-0.517938342
TRCN00000 42414	NM_008675. 1-241s1c1	17965	Nbl1	0.27104433 3	1.36988341 4	4.29243958 7	2.45243966 6	-1.960929584
TRCN00000 42415	NM_008675. 1-173s1c1	17965	Nbl1	1.12159158 5	1.65958582 6	2.51398489 1	1.61694945 4	-0.471035494
TRCN00000 42416	NM_008675. 1-326s1c1	17965	Nbl1	1.11231714 6	1.27745358 8	3.83539553 5	1.98575845 3	-2.052731181
TRCN00000 42446	NM_030254. 2-1007s1c1	80286	Tusc3	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 42447	NM_030254. 2-367s1c1	80286	Tusc3	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 42453	NM_178902. 3-3210s1c1	102103	Mtus1	3.93444069 5	-1.20293764	0.20760505 2	1.50495007 7	-1.712483366
TRCN00000 42455	NM_178902. 3-2327s1c1	102103	Mtus1	3.11275177 7	1.36877840 5	3.87047940 7	3.24472727 6	-2.899184216
TRCN00000 42456	NM_178902. 3-757s1c1	102103	Mtus1	0.82848212 1	5.17263567 3	1.37273608 6	3.62086958 9	2.062312824
TRCN00000 42457	NM_178902. 3-813s1c1	102103	Mtus1	0.30344078 3	0.37090436 2	5.80980386 1	2.27086314 5	-1.851580465
TRCN00000 42513	NM_010849. 2-1876s1c1	17869	Myc	-0.39994099	2.20087285 6	8.17526430 4	5.95475799 6	-4.182709037
TRCN00000 42517	NM_010849. 2-1905s1c1	17869	Myc	2.51014369 3	1.36877840 5	3.88919412 7	-3.09784689	-1.461418932
TRCN00000 42523	NM_008709. 2-1021s1c1	18109	Mycn	2.65116443 2	1.36877840 5	3.93162742 7	3.40827436 7	-2.839961158

TRCN00000 42524	NM_008709. 2-1529s1c1	18109	Mycn	0.70174510 6	3.91485838 3	0.82696324 2	1.77519331 4	-0.917093354
TRCN00000 42525	NM_008709. 2-493s1c1	18109	Mycn	1.36056918 3	1.36877840 5	3.83539553 5	0.08594010 7	-1.662670808
TRCN00000 42526	NM_008709. 2-944s1c1	18109	Mycn	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00000 42527	NM_008709. 2-1522s1c1	18109	Mycn	0.01940022 3	1.27745358 8	3.82041505 1	3.24472727 6	-2.080798923
TRCN00000 42533	NM_007462. 1-3239s1c1	11789	Apc	1.31397897 4	1.19156721 9	3.68508170 8	1.65911370 3	-0.475889063
TRCN00000 42537	NM_007462. 1-243s1c1	11789	Apc	2.67296361 5	1.36877840 5	3.88919412 7	3.40827436 7	-1.498320821
TRCN00000 42598	NM_007670. 2-1068s1c1	12579	Cdkn2b	2.11943750 4	0.79474161 4	3.56076408 8	4.65281320 8	-2.781939104
TRCN00000 42599	NM_007670. 2-497s1c1	12579	Cdkn2b	0.30811409 6	1.36877840 5	2.19245835 5	2.96454824 4	-1.708474775
TRCN00000 42601	NM_007670. 2-468s1c1	12579	Cdkn2b	0.49630255 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.290637364
TRCN00000 42638	NM_011808. 1-242s1c1	23871	Ets1	0.68622941 6	-1.21305433	4.52989789 3	2.03723698 2	-2.116604655
TRCN00000 42639	NM_011808. 1-1266s1c1	23871	Ets1	1.00588825 7	1.44925434 7	0.91515590 6	5.37684841 2	-1.683842602
TRCN00000 42640	NM_011808. 1-747s1c1	23871	Ets1	0.10691812 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.193291257
TRCN00000 42642	NM_011808. 1-471s1c1	23871	Ets1	1.89133097 1	1.36877840 5	3.83539553 5	2.84253081 2	-2.484508931
TRCN00000 42643	NM_013508. 1-480s1c1	13713	Elk3	0.75818818 2	3.74376972 1	4.59090013 3	4.61352049 7	-3.426594633
TRCN00000 42644	NM_013508. 1-1052s1c1	13713	Elk3	1.60948774 3	2.41046249 9	3.95248396 3	1.06308340 8	-2.258879403
TRCN00000 42645	NM_013508. 1-1180s1c1	13713	Elk3	0.36227614 8	1.19156721 9	3.73346684 1	2.19979388 7	-0.590741006
TRCN00000 42647	NM_013508. 1-945s1c1	13713	Elk3	2.77838185 6	1.36877840 5	3.87047940 7	2.96454824 4	-2.745546978
TRCN00000 42683	NM_010235. 1-664s1c1	14283	Fos11	2.41538965 9	1.45674636 1	3.87047940 7	5.31963175 1	-2.057866965
TRCN00000 42684	NM_010235. 1-1050s1c1	14283	Fos11	0.25276232	1.61620012 1	2.49207182 9	2.96454824 4	-1.705014469
TRCN00000 42685	NM_010235. 1-491s1c1	14283	Fos11	0.30272557	2.62545759 4	3.97614233 7	2.35145649 9	-2.162582715
TRCN00000 42696	NM_010591. 1-1000s1c1	16476	Jun	0.41873999 4	-1.46120823	3.92234374 5	3.83375501 9	-2.409011747
TRCN00000 42785	NM_019511. 1-215s1c1	56089	Ramp3	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 54348	NM_176933. 3-920s1c1	319520	Dusp4	0.09846595 8	4.13907072 6	3.42458491 6	3.40827436 7	-2.718366013

TRCN00000 54349	NM_176933. 3-813s1c1	319520	Dusp4	0.16322245 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.125756112
TRCN00000 54350	NM_176933. 3-830s1c1	319520	Dusp4	0.70541220 6	1.27745358 8	0.70180096 6	3.67020792 7	-0.885112086
TRCN00000 54413	NM_007921. 1-1088s1c1	13710	Elf3	0.01940022 3	1.19156721 9	3.88919412 7	3.40827436 7	-2.117408873
TRCN00000 54415	NM_007921. 1-329s1c1	13710	Elf3	0.09740707 6	1.36988341 4	3.88919412 7	3.40827436 7	-2.142486208
TRCN00000 54448	NM_010431. 1-2364s1c1	15251	Hif1a	1.88705057 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.63832437
TRCN00000 54449	NM_010431. 1-1072s1c1	15251	Hif1a	0.09740707 6	1.36877840 5	3.83539553 5	3.24472727 6	-2.087873535
TRCN00000 54451	NM_010431. 1-1842s1c1	15251	Hif1a	0.11562101 9	1.36877840 5	3.83539553 5	3.40827436 7	-2.124206822
TRCN00000 54498	NM_011231. 1-94s1c1	19352	Rabggtb	0.04230753 4	-5.34532535	6.65859324 9	4.55483402 3	-4.150265039
TRCN00000 54499	NM_011231. 1-226s1c1	19352	Rabggtb	3.27438898 1	1.36877840 5	3.82041505 1	2.90002952 3	-2.84090299
TRCN00000 54500	NM_011231. 1-545s1c1	19352	Rabggtb	0.13681895 5	1.65552991 1	3.63194553 5	5.78651946 3	-1.974938511
TRCN00000 54501	NM_011231. 1-883s1c1	19352	Rabggtb	3.39473349 8	4.71671859 5	4.67814774 5	4.51009765 9	-4.324924374
TRCN00000 54502	NM_011231. 1-143s1c1	19352	Rabggtb	2.46306584 4	1.19156721 9	-5.41451477	1.21508895 9	-1.963514719
TRCN00000 54504	NM_008943. 1-1076s1c1	19164	Psen1	0.19187875 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.214531414
TRCN00000 54505	NM_008943. 1-1742s1c1	19164	Psen1	1.10033206 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.441644741
TRCN00000 54573	NM_011349. 2-1166s1c1	20350	Sema3f	4.82873087 8	6.65771499 1	3.75492472 8	2.13594171 5	-2.466865714
TRCN00000 54574	NM_011349. 2-299s1c1	20350	Sema3f	2.88858741 7	1.36877840 5	4.09531084 8	2.73003321 3	-2.770677471
TRCN00000 54575	NM_011349. 2-652s1c1	20350	Sema3f	-0.65125122	2.45610116 2	1.24289492 1	3.24472727 6	-1.277296184
TRCN00000 54576	NM_011349. 2-745s1c1	20350	Sema3f	0.00973793 5	1.36877840 5	4.05814689 3	4.14507419 1	-2.395434356
TRCN00000 54598	NM_009141. 1-254s1c1	20311	Cxcl5	1.38925662 4	-5.17531885	3.98001256 1	6.97289836 7	-3.684743289
TRCN00000 54599	NM_009141. 1-220s1c1	20311	Cxcl5	0.09661631 9	1.36877840 5	-3.4575667	1.98575845 3	-1.67887181
TRCN00000 54601	NM_009141. 1-312s1c1	20311	Cxcl5	0.39493331 4	1.27745358 8	3.77202991 8	3.04146460 4	-1.924003699
TRCN00000 54613	NM_009689. 1-388s1c1	11799	Birc5	1.53006500 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.549077976
TRCN00000 54615	NM_009689. 1-324s1c1	11799	Birc5	1.90556947 7	3.79431100 7	3.68508170 8	3.16869433 1	-1.554066965

TRCN00000 54616	NM_009689. 1-491slc1	11799	Birc5	1.44587979 3	-1.46120823	-2.5130356	0.60053261 9	-0.782224164
TRCN00000 54617	NM_009689. 1-138slc1	11799	Birc5	0.01940022 3	1.27745358 8	3.92234374 5	2.96454824 4	-2.036236339
TRCN00000 54653	NM_011097. 1-1109slc1	18740	Pitx1	1.79757831 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.615956303
TRCN00000 54654	NM_011097. 1-1070slc1	18740	Pitx1	0.01940022 3	1.36877840 5	3.73346684 1	0.31897405 7	-1.190967742
TRCN00000 54657	NM_011097. 1-833slc1	18740	Pitx1	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 54698	NM_009263. 1-1251slc1	20750	Spp1	0.15282045 8	1.36877840 5	6.08735446 7	4.21070059 8	-2.954913482
TRCN00000 54699	NM_009263. 1-416slc1	20750	Spp1	0.06233799 2	0.89152777 5	3.77202991 8	4.17201413 8	-2.19330846
TRCN00000 54700	NM_009263. 1-1003slc1	20750	Spp1	2.16601172 6	1.36877840 5	0.64142054 4	1.37613744	-0.379308037
TRCN00000 54701	NM_009263. 1-593slc1	20750	Spp1	0.24180442 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.106110618
TRCN00000 54702	NM_009263. 1-1048slc1	20750	Spp1	1.44919241 7	0.19711073 3	3.55868503 1	3.93017342 8	-2.185235036
TRCN00000 54733	NM_008138. 2-1776slc1	14678	Gnai2	1.36891512 5	1.36877840 5	3.88919412 7	3.40827436 7	-2.508790506
TRCN00000 54736	NM_008138. 2-1037slc1	14678	Gnai2	0.16177612 8	1.29963907 4	3.12984450 3	2.73003321 3	-1.749435166
TRCN00000 54753	NM_007451. 2-1078slc1	11740	Slc25a5	4.31845442 4	4.60187963 7	3.90241960 7	0.99542331 9	-2.956832587
TRCN00000 54754	NM_007451. 2-336slc1	11740	Slc25a5	0.08051580 5	1.19156721 9	3.78353119 7	3.24472727 6	-2.034827472
TRCN00000 54755	NM_007451. 2-645slc1	11740	Slc25a5	1.08861678 7	1.57127009	3.92929476 6	3.24472727 6	-1.128533791
TRCN00000 54757	NM_007451. 2-933slc1	11740	Slc25a5	0.46064881 9	1.51607912 3	1.73198956 8	0.70272972	0.114497837
TRCN00000 54774	NM_011567. 1-1107slc1	21679	Tead4	1.24183977 4	1.36877840 5	3.88919412 7	3.24472727 6	-1.815215009
TRCN00000 54775	NM_011567. 1-1071slc1	21679	Tead4	3.89486690 2	1.36877840 5	3.88919412 7	3.40827436 7	-1.192844999
TRCN00000 54809	NM_009369. 1-1435slc1	21810	Tgfbi	1.68528193 7	1.03376155 7	1.04498049 4	6.96151915 9	-2.15889554
TRCN00000 54810	NM_009369. 1-661slc1	21810	Tgfbi	-3.26761338	1.19156721 9	3.87047940 7	5.50116771 3	-3.45770693
TRCN00000 54812	NM_009369. 1-1216slc1	21810	Tgfbi	1.32281097 7	1.54807117 8	0.20050359	3.67020792 7	-1.585146623
TRCN00000 54853	NM_010849. 2-904slc1	17869	Myc	1.44716562 2	6.26512220 3	3.83539553 5	-3.99836582	-3.886512295
TRCN00000 54857	NM_010849. 2-1675slc1	17869	Myc	0.10267407 7	5.85051744 9	0.22185154 2	0.59383636 3	-1.692219858

TRCN00000 54953	NM_009721. 2-978slc1	11931	Atp1b1	1.75695694 8	1.27745358 8	4.08194125 4	1.20628731 2	-2.080659776
TRCN00000 54954	NM_009721. 2-583slc1	11931	Atp1b1	2.76856447 2	1.27745358 8	-8.62681119	2.62567687 4	-3.824626531
TRCN00000 54956	NM_009721. 2-1066slc1	11931	Atp1b1	0.14763321 4	3.09811437 2	3.88919412 7	2.05185553 7	-2.222882706
TRCN00000 54957	NM_009721. 2-604slc1	11931	Atp1b1	0.49748664 3	0.38334721 3	2.22976597 4	2.87476541 2	-0.132715002
TRCN00000 55023	NM_013646. 1-831slc1	19883	Rora	3.15116405 6	3.03169162 6	3.73346684 1	2.19389277 7	-3.027553825
TRCN00000 55024	NM_013646. 1-1492slc1	19883	Rora	3.03937208 9	1.36877840 5	3.82041505 1	-0.43702698	-0.646712087
TRCN00000 55025	NM_013646. 1-167slc1	19883	Rora	3.07941392 6	1.19156721 9	3.88919412 7	0.81334923 7	-2.243381127
TRCN00000 55026	NM_013646. 1-1426slc1	19883	Rora	0.21235261 3	1.36988341 4	1.38349880 9	3.40827436 7	-1.487325994
TRCN00000 55038	NM_026268. 1-1413slc1	67603	Dusp6	2.03519870 1	2.08099211 2	1.23438310 3	6.87110073 5	-2.438227111
TRCN00000 55039	NM_026268. 1-605slc1	67603	Dusp6	-0.63663076	-2.76117136	-1.75692059	0.74205959 7	-1.474195577
TRCN00000 55040	NM_026268. 1-1152slc1	67603	Dusp6	0.46148962 3	1.36877840 5	3.78353119 7	3.40827436 7	-2.255518398
TRCN00000 55041	NM_026268. 1-1279slc1	67603	Dusp6	2.55048665 2	5.91496568 3	2.66217426 7	0.42134928 2	-1.345482197
TRCN00000 55103	NM_010828. 1-738slc1	17684	Cited2	0.15956170 7	0.82534563 1	4.24057524 9	6.41641146 6	-2.83069266
TRCN00000 55104	NM_010828. 1-571slc1	17684	Cited2	2.10208735 1	1.36877840 5	3.88919412 7	-4.42908562	-2.947286376
TRCN00000 55105	NM_010828. 1-649slc1	17684	Cited2	0.44669021 2	1.11050781 4	3.83539553 5	2.52836256 1	-1.756893925
TRCN00000 55107	NM_010828. 1-707slc1	17684	Cited2	0.60937247 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.318904845
TRCN00000 55143	NM_009698. 1-529slc1	11821	Aprt	0.61494461 4	2.34873181 9	4.63503929 5	0.67572565 2	-0.586772129
TRCN00000 55144	NM_009698. 1-389slc1	11821	Aprt	0.27670532 7	1.36877840 5	1.36411662 2	3.40827436 7	-1.60446868
TRCN00000 55145	NM_009698. 1-120slc1	11821	Aprt	1.33809633 9	1.61428826 6	1.53773825 2	-3.09784689	-1.896992437
TRCN00000 55146	NM_009698. 1-312slc1	11821	Aprt	2.12830427 2	1.05332236 6	-2.45338884	3.24472727 6	-2.219935689
TRCN00000 55147	NM_009698. 1-200slc1	11821	Aprt	0.65180070 4	1.19156721 9	3.83539553 5	0.27037083 1	-1.487283572
TRCN00000 55163	NM_008707. 2-1640slc1	18107	Nmt1	0.05635675 2	-1.20293764	6.26059968 3	2.19389277 7	-2.428446713
TRCN00000 55164	NM_008707. 2-59slc1	18107	Nmt1	0.05941346 1	-1.46120823	0.30731026 4	3.26801146 4	-1.273985855

TRCN00000 55165	NM_008707. 2-698s1c1	18107	Nmt1	1.18870899 4	1.19156721 9	4.24057524 9	3.40827436 7	-2.507281457
TRCN00000 55166	NM_008707. 2-1241s1c1	18107	Nmt1	3.26939207 7	1.03376155 7	3.72521500 6	0.17744811 7	-0.328034092
TRCN00000 55167	NM_008707. 2-278s1c1	18107	Nmt1	0.80107925 5	-1.20293764	1.99935601 5	0.49735024 4	0.123172341
TRCN00000 55203	NM_010591. 1-1272s1c1	16476	Jun	0.08529860 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.187886375
TRCN00000 55218	NM_207655. 1-3135s1c1	13649	Egfr	0.27158629 2	1.36877840 5	-0.22123971	0.83957865 1	-0.675295765
TRCN00000 55219	NM_207655. 1-2117s1c1	13649	Egfr	0.54685062 2	-3.99999384	0.70018497 1	0.35129378 5	-1.399580805
TRCN00000 55220	NM_207655. 1-3822s1c1	13649	Egfr	-0.15037563	1.08656711 6	-3.32947169	5.34951620 2	-2.47898266
TRCN00000 55221	NM_207655. 1-2914s1c1	13649	Egfr	0.59746769 7	1.36877840 5	3.88919412 7	3.24472727 6	-1.976308028
TRCN00000 55222	NM_207655. 1-1296s1c1	13649	Egfr	1.78134297 5	1.19156721 9	3.83539553 5	3.24472727 6	-2.513258251
TRCN00000 55278	NM_008828. 1-1163s1c1	18655	Pgk1	0.36914931 5	1.36877840 5	3.92234374 5	3.24472727 6	-2.041675028
TRCN00000 55279	NM_008828. 1-425s1c1	18655	Pgk1	1.15355333 8	1.11050781 4	3.68508170 8	2.96454824 4	-2.228422776
TRCN00000 55281	NM_008828. 1-703s1c1	18655	Pgk1	0.23858781 6	0.56430172 6	1.76021203 5	6.08757695 1	-1.880518769
TRCN00000 55282	NM_008828. 1-761s1c1	18655	Pgk1	1.34637106 5	1.28399704 4	4.08194125 4	1.87736337 6	-2.147418185
TRCN00000 55284	NM_009769. 2-1383s1c1	12224	Klf5	0.69883000 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.300382453
TRCN00000 55285	NM_009769. 2-581s1c1	12224	Klf5	0.19145662 5	0.52988671 4	2.19906397 6	3.11672054 5	-1.509281965
TRCN00000 55286	NM_009769. 2-1281s1c1	12224	Klf5	3.01798201 2	2.85295813 6	2.09431807 5	3.83375501 9	-0.476115205
TRCN00000 55287	NM_009769. 2-1023s1c1	12224	Klf5	3.32364025 4	1.36877840 5	3.73346684 1	3.32250331 1	-2.937097203
TRCN00000 55383	NM_008548. 2-1428s1c1	17155	Man1a	2.71987658 8	1.36988341 4	0.10434403 7	3.67020792 7	-0.553967679
TRCN00000 55384	NM_008548. 2-2314s1c1	17155	Man1a	0.33222767 4	-1.46120823	3.78353119 7	3.40827436 7	-2.246310367
TRCN00000 55385	NM_008548. 2-2447s1c1	17155	Man1a	0.30920709 4	3.82781114 3	4.82841795 1	7.29947680 8	-2.152322678
TRCN00000 55386	NM_008548. 2-2038s1c1	17155	Man1a	1.80144651 2	1.36877840 5	3.21184905 9	-1.80390019	-2.046493542
TRCN00000 65353	NM_009851. 1-1322s1c1	12505	Cd44	0.15075961 2	2.04151281 4	3.77202991 8	1.69426483 7	-1.914641795
TRCN00000 65354	NM_009851. 1-1026s1c1	12505	Cd44	-0.21603202	1.19156721 9	-0.44552242	1.54400859 5	-0.849282564

TRCN00000 65355	NM_009851. 1-453slc1	12505	Cd44	0.18923571 1	1.36988341 4	3.78353119 7	2.62567687 4	-1.897463944
TRCN00000 65357	NM_009851. 1-2082slc1	12505	Cd44	0.35168415 4	1.11050781 4	4.83915171 4	2.94753132 1	-2.312218751
TRCN00000 65368	NM_019568. 1-628slc1	57266	Cxcl14	0.57602515 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.022555437
TRCN00000 65369	NM_019568. 1-526slc1	57266	Cxcl14	1.06313865 4	1.19156721 9	3.83539553 5	0.72982167 9	-1.704980772
TRCN00000 65371	NM_019568. 1-438slc1	57266	Cxcl14	1.76492285 3	2.88105654 8	3.88919412 7	3.40827436 7	-2.985861974
TRCN00000 65372	NM_019568. 1-499slc1	57266	Cxcl14	1.58415466 9	2.14921349	0.83219092 3	0.73619776 9	0.533361878
TRCN00000 65613	NM_013584. 1-1836slc1	16880	Lifr	0.38596551 4	1.05332236 6	-4.98801139	4.68125993 1	-2.7771398
TRCN00000 65614	NM_013584. 1-3150slc1	16880	Lifr	2.65043893 4	1.19156721 9	3.78353119 7	0.94547813 6	-1.670014804
TRCN00000 65615	NM_013584. 1-734slc1	16880	Lifr	1.03936634 3	1.36877840 5	3.83539553 5	3.24472727 6	-1.852383718
TRCN00000 65616	NM_013584. 1-286slc1	16880	Lifr	2.07116507 9	3.80909074 5	1.81626771 4	0.61606458 9	-2.078147032
TRCN00000 65617	NM_013584. 1-2387slc1	16880	Lifr	1.04523143 6	1.27745358 8	-5.30995599	3.40827436 7	-2.760228845
TRCN00000 65678	NM_013589. 1-2863slc1	16997	Ltbp2	1.81235684 1	1.27745358 8	3.88919412 7	2.96454824 4	-2.4858882
TRCN00000 65679	NM_013589. 1-4734slc1	16997	Ltbp2	0.29812535 6	1.36877840 5	3.97614233 7	3.40827436 7	-2.262830116
TRCN00000 65680	NM_013589. 1-3543slc1	16997	Ltbp2	1.24843507 3	-1.46120823	3.88919412 7	2.96454824 4	-2.390846419
TRCN00000 65681	NM_013589. 1-1442slc1	16997	Ltbp2	1.04888244 2	0.96089254 1	3.78353119 7	1.77058696 2	-1.890973286
TRCN00000 65682	NM_013589. 1-2748slc1	16997	Ltbp2	1.87190659 7	1.11050781 4	0.90511896 4	1.27682082 2	-0.200118656
TRCN00000 65763	NM_008932. 1-381slc1	19116	Prlr	1.02950138 7	1.35013248 2	1.38165662 6	5.77867512 5	-1.019096851
TRCN00000 65764	NM_008932. 1-465slc1	19116	Prlr	0.01122311 3	1.46423001 4	1.54350525 3	1.73947088 7	1.18399576
TRCN00000 65765	NM_008932. 1-424slc1	19116	Prlr	2.38232822 2	1.11050781 4	0.04048442 3	2.39165660 2	-0.285415964
TRCN00000 65766	NM_008932. 1-302slc1	19116	Prlr	2.14078083 9	1.70752493 8	1.53978912 3	0.87184797 7	-0.795091158
TRCN00000 65767	NM_008932. 1-480slc1	19116	Prlr	0.14909430 1	3.81136244 3	1.35768596 9	2.45772408 8	-1.190576565
TRCN00000 65794	NM_027562. 1-757slc1	70809	Clec2g	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 65796	NM_027562. 1-589slc1	70809	Clec2g	2.69416822 1	-1.46120823	3.68508170 8	-4.13983104	-2.9950723

TRCN00000 65800	NM_019971. 2-1872s1c1	54635	Pdgfc	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 65801	NM_019971. 2-1418s1c1	54635	Pdgfc	0.30892183 6	1.76637230 6	6.04658934 7	4.40555323 7	-2.977398264
TRCN00000 65813	NM_170786. 1-597s1c1	12803	Cntf	0.10676902 6	1.36877840 5	3.88919412 7	1.24442506 9	-1.652291657
TRCN00000 65814	NM_170786. 1-335s1c1	12803	Cntf	-3.39460801	-4.56943162	5.09776965 8	2.91557877 2	-3.994347015
TRCN00000 65815	NM_170786. 1-769s1c1	12803	Cntf	2.05379395 5	1.36877840 5	0.18493829 3	3.24472727 6	-0.593693358
TRCN00000 65816	NM_170786. 1-554s1c1	12803	Cntf	0.95498290 9	1.36877840 5	4.29243958 7	4.85737193 1	-2.390901754
TRCN00000 66198	NM_010099. 1-638s1c1	13607	Eda	2.16525695 8	1.44925434 7	1.89564844 5	3.52332754 1	-2.258371823
TRCN00000 66199	NM_010099. 1-1270s1c1	13607	Eda	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 66200	NM_010099. 1-1197s1c1	13607	Eda	-0.27136985	-4.0509996	-3.08463813	5.67494875 3	-3.270489083
TRCN00000 66201	NM_010099. 1-1016s1c1	13607	Eda	1.35427248	7.18623287 4	4.04432243 2	5.82361552 2	-3.924974587
TRCN00000 66338	NM_007910. 1-398s1c1	13639	Efna4	2.52000845 6	1.36877840 5	2.15010379 1	2.73003321 3	-2.192230966
TRCN00000 66339	NM_007910. 1-285s1c1	13639	Efna4	0.38167463 6	3.68508732 9	0.97003504 7	0.48591523 1	-0.652702922
TRCN00000 66340	NM_007910. 1-462s1c1	13639	Efna4	1.13882404 3	0.96089254 1	3.87047940 7	1.13753553 5	-1.208165114
TRCN00000 66342	NM_007910. 1-559s1c1	13639	Efna4	-1.88837199	1.27745358 8	3.83539553 5	3.40827436 7	-2.60237387
TRCN00000 66493	NM_010111. 2-3818s1c1	13642	Efnb2	-1.16210888	5.08922434 2	3.40746019 8	2.27052466 9	-0.437717351
TRCN00000 66494	NM_010111. 2-435s1c1	13642	Efnb2	-3.22202934	2.90155989 1	0.89418517 5	-1.92255741	-0.337210421
TRCN00000 66495	NM_010111. 2-862s1c1	13642	Efnb2	0.08661059 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.188214374
TRCN00000 66496	NM_010111. 2-1029s1c1	13642	Efnb2	0.06016635 5	1.36877840 5	7.59565938 4	5.40339415 9	-3.606999576
TRCN00000 66497	NM_010111. 2-484s1c1	13642	Efnb2	0.84119193 5	1.05332236 6	4.63626963 8	3.71818678 7	-2.141646714
TRCN00000 66523	XM_133956. 3-124s1c1	213002	Ifitm6	0.13267855 3	1.36877840 5	0.84128291 9	-3.99836582	-1.518937148
TRCN00000 66524	XM_133956. 3-267s1c1	213002	Ifitm6	2.01983757 1	1.36877840 5	-4.05364444	2.96454824 4	-1.59178338
TRCN00000 66525	XM_133956. 3-335s1c1	213002	Ifitm6	0.11019245 5	4.78569698 8	1.62422038 8	6.62328020 6	-0.025792594
TRCN00000 66526	XM_133956. 3-140s1c1	213002	Ifitm6	0.01940022 3	1.27745358 8	3.73346684 1	2.84253081 2	-1.958512755

TRCN00000 66527	XM_133956. 3-344slc1	213002	Ifitm6	0.73956903 3	- 3.53132532 8	- 7.61457594 2	- 2.56481984 8	-3.242788021
TRCN00000 66533	NM_009777. 1-187slc1	12260	C1qb	0.33338263 6	-3.99190033	3.83539553 5	-0.78496598	-2.069719802
TRCN00000 66534	NM_009777. 1-649slc1	12260	C1qb	0.69571530 9	1.22211402 5	3.87047940 7	-2.54660752	-2.083729065
TRCN00000 66535	NM_009777. 1-790slc1	12260	C1qb	0.17696715 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.210803514
TRCN00000 66573	NM_016741. 1-2235slc1	20778	Scarb1	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 66574	NM_016741. 1-786slc1	20778	Scarb1	0.19187875 7	1.27745358 8	3.68508170 8	3.67020792 7	-2.206155495
TRCN00000 66575	NM_016741. 1-375slc1	20778	Scarb1	0.27525573 7	4.84521634 8	0.34405084 3	3.58936599 9	-2.125844363
TRCN00000 66577	NM_016741. 1-1246slc1	20778	Scarb1	1.01131510 5	1.36877840 5	1.90239753 3	3.40827436 7	-1.922691353
TRCN00000 66593	NM_007573. 1-511slc1	12261	C1qbp	2.06232742 6	1.36988341 4	4.17376445 5	1.59998210 4	-2.30148935
TRCN00000 66594	NM_007573. 1-367slc1	12261	C1qbp	0.48799180 5	1.36877840 5	4.17376445 5	0.13383602 6	-1.47417466
TRCN00000 66595	NM_007573. 1-804slc1	12261	C1qbp	0.97343379 1	1.36877840 5	0.89772159 1	0.62425018 3	-0.653920901
TRCN00000 66596	NM_007573. 1-499slc1	12261	C1qbp	2.52935068 6	-1.46120823	3.83539553 5	4.16191291 1	-2.996966841
TRCN00000 66679	NM_010818. 2-450slc1	17470	Cd200	-0.91179559	1.36877840 5	3.88919412 7	3.40827436 7	-2.394510622
TRCN00000 66681	NM_010818. 2-573slc1	17470	Cd200	1.71264637 2	3.20719300 8	3.78353119 7	3.24472727 6	-2.987024463
TRCN00000 66682	NM_010818. 2-703slc1	17470	Cd200	-0.88165191	1.36877840 5	3.73346684 1	1.48358090 5	-1.125079063
TRCN00000 66698	NM_010197. 2-1991slc1	14164	Fgf1	1.66445940 5	5.86363249 5	7.95288646 6	1.14303299 1	-3.584486344
TRCN00000 66699	NM_010197. 2-388slc1	14164	Fgf1	1.31173305 2	1.46760103 1	-1.45051333	10.1145996 2	-2.852311243
TRCN00000 66701	NM_010197. 2-460slc1	14164	Fgf1	0.35111181 5	1.36877840 5	1.01248532 5	3.24472727 6	-1.494275705
TRCN00000 66702	NM_010197. 2-239slc1	14164	Fgf1	1.74598306 5	1.27745358 8	3.72521500 6	2.62567687 4	-2.343582133
TRCN00000 66704	NM_133193. 1-598slc1	107527	Il1rl2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 66706	NM_133193. 1-479slc1	107527	Il1rl2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 66818	NM_009505. 2-592slc1	22339	Vegfa	3.86296165 5	1.12619138 3	9.06816201 3	2.86268030 8	-4.22999884
TRCN00000 66819	NM_009505. 2-780slc1	22339	Vegfa	0.03639032 2	1.37172929 9	3.55181232 1	2.84253081 2	-1.950615689

TRCN00000 66904	NM_207648. 1-123s1c1	110557	H2-Q6	0.69908028 7	-1.46120823	3.95248396 3	0.03491453 6	-1.536921754
TRCN00000 66905	NM_207648. 1-300s1c1	110557	H2-Q6	0.01940022 3	1.36877840 5	3.78353119 7	3.40827436 7	-2.135295937
TRCN00000 66906	NM_207648. 1-309s1c1	110557	H2-Q6	1.45750473 3	1.19156721 9	-3.21283538	1.75012019 5	-1.174254515
TRCN00000 67178	NM_008005. 1-453s1c1	14172	Fgf18	0.03639032 2	1.27745358 8	3.83539553 5	3.40827436 7	-2.139378453
TRCN00000 67179	NM_008005. 1-393s1c1	14172	Fgf18	0.01940022 3	1.36877840 5	3.83539553 5	1.36528826 5	-1.637515496
TRCN00000 67180	NM_008005. 1-565s1c1	14172	Fgf18	0.08824564 8	1.70752493 8	3.87047940 7	0.65086658 3	-1.53515632
TRCN00000 67181	NM_008005. 1-163s1c1	14172	Fgf18	0.93729438 3	1.27745358 8	3.88919412 7	3.24472727 6	-1.868520152
TRCN00000 67182	NM_008005. 1-696s1c1	14172	Fgf18	1.72865819 1	1.36877840 5	3.95248396 3	3.24472727 6	-1.709332863
TRCN00000 67209	NM_008176. 1-130s1c1	14825	Cxcl1	0.49005920 6	1.19156721 9	4.13573984 7	3.24472727 6	-2.265523387
TRCN00000 67211	NM_008176. 1-124s1c1	14825	Cxcl1	1.98432057 3	1.54807117 8	3.83539553 5	2.96454824 4	-2.583083883
TRCN00000 67212	NM_008176. 1-236s1c1	14825	Cxcl1	-0.88165191	-1.46120823	3.83539553 5	3.40827436 7	-2.396632511
TRCN00000 67258	NM_009140. 1-172s1c1	20310	Cxcl2	-0.81940663	1.36877840 5	3.97614233 7	3.24472727 6	-2.352263662
TRCN00000 67259	NM_009140. 1-252s1c1	20310	Cxcl2	2.19674366 8	0.43164539 6	3.83539553 5	3.40827436 7	-2.252192044
TRCN00000 67313	NM_010509. 1-2063s1c1	15976	Ifnar2	0.97684662 6	4.76711149	3.43566968 4	0.45360022 6	0.202048852
TRCN00000 67315	NM_010509. 1-1501s1c1	15976	Ifnar2	2.55289981 7	1.49385376 4	3.83539553 5	2.73003321 3	-1.9061187
TRCN00000 67317	NM_010509. 1-323s1c1	15976	Ifnar2	2.38867125 7	1.36877840 5	5.78122197 5	1.06064164 6	-2.119507498
TRCN00000 67494	NM_013660. 2-2960s1c1	20354	Sema4d	3.52720141 5	1.36877840 5	3.92234374 5	2.95384321 2	-2.943041694
TRCN00000 67495	NM_013660. 2-913s1c1	20354	Sema4d	0.39243177 3	1.36877840 5	4.00434830 1	-2.54660752	-2.0780415
TRCN00000 67496	NM_013660. 2-2144s1c1	20354	Sema4d	-2.48935225	-1.46120823	3.83539553 5	0.90201159 2	-2.171991902
TRCN00000 67579	NM_010549. 1-426s1c1	16157	Il1ra1	1.43206398 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.524577721
TRCN00000 67580	NM_010549. 1-496s1c1	16157	Il1ra1	-1.69216909	1.36877840 5	3.87047940 7	1.40793588 8	-2.084840698
TRCN00000 67582	NM_010549. 1-826s1c1	16157	Il1ra1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 67598	NM_009841. 2-751s1c1	12475	Cd14	0.18139764 7	1.27745358 8	3.82041505 1	1.59295053 1	-0.830880115

TRCN00000 67599	NM_009841. 2-241slc1	12475	Cd14	1.15355333 8	0.82534563 1	2.71682593 1	3.40827436 7	-2.025999817
TRCN00000 67601	NM_009841. 2-449slc1	12475	Cd14	0.89653738	3.06324698 2	3.73346684 1	3.40827436 7	-2.327112703
TRCN00000 67602	NM_009841. 2-909slc1	12475	Cd14	0.39232341 9	1.36877840 5	3.97614233 7	3.40827436 7	-2.286379632
TRCN00000 67638	NM_009842. 1-1346slc1	12476	Cd151	0.17141156 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.123708834
TRCN00000 67640	NM_009842. 1-1026slc1	12476	Cd151	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 67768	NM_010187. 1-1198slc1	14130	Fcgr2b	0.74406575 5	1.36877840 5	3.95248396 3	2.62567687 4	-1.800718372
TRCN00000 67769	NM_010187. 1-733slc1	14130	Fcgr2b	0.69478667 9	6.15851951 2	1.17667940 3	5.36580310 8	-3.348947176
TRCN00000 67770	NM_010187. 1-81slc1	14130	Fcgr2b	0.95388515 7	3.06324698 2	3.92234374 5	0.93281935 3	-1.741131231
TRCN00000 67771	NM_010187. 1-674slc1	14130	Fcgr2b	0.09740707 6	1.36877840 5	3.78353119 7	3.40827436 7	-2.115794223
TRCN00000 67772	NM_010187. 1-90slc1	14130	Fcgr2b	1.53397382 2	-1.85109597	3.97614233 7	3.24472727 6	-2.651484851
TRCN00000 67773	NM_022415. 2-377slc1	64292	Ptges	0.16001910 4	1.11050781 4	0.44725808 6	-3.16105942	-1.139701554
TRCN00000 67774	NM_022415. 2-298slc1	64292	Ptges	1.08000849 9	1.19156721 9	3.87047940 7	3.40827436 7	-2.387582373
TRCN00000 67775	NM_022415. 2-145slc1	64292	Ptges	0.09740707 6	1.03376155 7	3.82041505 1	-2.54660752	-1.825844263
TRCN00000 67776	NM_022415. 2-247slc1	64292	Ptges	0.73762563 8	0.47695480 1	0.94191992 3	3.71818678 7	-0.759234425
TRCN00000 67908	NM_010094. 2-238slc1	13590	Lefty1	1.00858253 2	1.27745358 8	3.88919412 7	3.40827436 7	-1.891584888
TRCN00000 67909	NM_010094. 2-486slc1	13590	Lefty1	0.90580374 6	1.61620012 1	1.82171872 2	0.67670779 4	-0.802205723
TRCN00000 67912	NM_010094. 2-692slc1	13590	Lefty1	0.34073314 1	1.36877840 5	3.88919412 7	3.40827436 7	-2.25174501
TRCN00000 67928	NM_145741. 2-1636slc1	14560	Gdf10	0.50035672 1	1.27745358 8	3.73346684 1	3.45017634 4	-2.240363374
TRCN00000 67930	NM_145741. 2-633slc1	14560	Gdf10	0.14467472 2	0.38311730 3	3.75284597 5	6.59165111 9	-2.71807228
TRCN00000 67931	NM_145741. 2-1017slc1	14560	Gdf10	2.79534302 1	1.19156721 9	3.68508170 8	2.96454824 4	-2.659135048
TRCN00000 67932	NM_145741. 2-534slc1	14560	Gdf10	0.58034269 1	1.36877840 5	3.83539553 5	0.37225419 7	-1.539192707
TRCN00000 67938	NM_011198. 2-201slc1	19225	Ptgs2	0.83519469 4	2.05774779 2	2.16564692 5	0.10650659 4	-1.291274001
TRCN00000 67939	NM_011198. 2-1592slc1	19225	Ptgs2	1.89241321 9	1.36877840 5	2.71682593 1	0.51533500 6	-1.62333814

TRCN00000 67940	NM_011198. 2-162slc1	19225	Ptgs2	1.27858650 9	1.36877840 5	3.88919412 7	-3.09784689	-2.408601483
TRCN00000 67941	NM_011198. 2-1478slc1	19225	Ptgs2	0.54285351 5	1.29498304 1	2.50426170 1	-4.08484548	-2.106735934
TRCN00000 67942	NM_011198. 2-236slc1	19225	Ptgs2	2.26960591 4	1.36877840 5	3.78353119 7	3.40827436 7	-2.707547471
TRCN00000 67963	NM_053153. 1-268slc1	93970	Klra18	2.74141684 8	1.27745358 8	3.88919412 7	3.40827436 7	-2.829084733
TRCN00000 67965	NM_053153. 1-574slc1	93970	Klra18	0.08040861 5	1.11050781 4	7.00373756 4	-2.1838573	-2.594627823
TRCN00000 67966	NM_053153. 1-896slc1	93970	Klra18	1.25332703 7	1.36877840 5	-3.90629713	2.27052466 9	-2.19973181
TRCN00000 67967	NM_053153. 1-316slc1	93970	Klra18	0.28578527 4	2.74593512 4	4.27942738 5	2.19389277 7	-2.37626014
TRCN00000 68163	NM_133654. 1-406slc1	12490	Cd34	0.83466382 3	1.36877840 5	3.87047940 7	3.24472727 6	-1.912330316
TRCN00000 68165	NM_133654. 1-555slc1	12490	Cd34	0.12688841 4	1.36877840 5	0.62345578 3	1.48358090 5	-0.095441217
TRCN00000 68166	NM_133654. 1-1031slc1	12490	Cd34	3.80895419 5	0.22356523 7	-7.26635655	3.26801146 4	-3.529939243
TRCN00000 68373	NM_013885. 1-391slc1	29876	Clic4	1.35664236 8	1.19235051 8	1.88163456 9	2.73939699 7	-1.114184929
TRCN00000 68374	NM_013885. 1-785slc1	29876	Clic4	0.48744282 8	5.50488981 9	1.66838412 7	10.5791701 8	-4.559971739
TRCN00000 68375	NM_013885. 1-470slc1	29876	Clic4	0.50035672 1	-0.48162403	4.52989789 3	0.48188303 3	-1.498440419
TRCN00000 68398	NM_008433. 2-391slc1	16534	Kcnn4	2.17924571 2	1.27745358 8	3.87047940 7	2.67555003 3	-2.500682185
TRCN00000 68399	NM_008433. 2-1037slc1	16534	Kcnn4	0.14188839 9	1.27745358 8	3.83539553 5	-3.09784689	-2.088146103
TRCN00000 68400	NM_008433. 2-427slc1	16534	Kcnn4	0.19941814	2.27560069 2	1.49540252 1	1.74804131 8	-1.329906598
TRCN00000 68401	NM_008433. 2-1279slc1	16534	Kcnn4	2.40935025 5	1.36877840 5	0.23100959 8	3.24472727 6	-1.813466384
TRCN00000 68403	NM_015747. 1-521slc1	20515	Slc20a1	1.23647102 2	0.67978272 5	3.83539553 5	3.40827436 7	-2.289980912
TRCN00000 68404	NM_015747. 1-864slc1	20515	Slc20a1	0.17991267 3	4.59261526 3	1.98891751 1	1.11635706 6	-1.969450628
TRCN00000 68405	NM_015747. 1-1843slc1	20515	Slc20a1	0.01209662 1	1.36877840 5	3.97614233 7	0.52817862 1	-1.471298996
TRCN00000 68406	NM_015747. 1-2467slc1	20515	Slc20a1	1.50407478 5	1.49038992 6	3.72824733 3	2.47357329 8	-1.547033943
TRCN00000 68407	NM_015747. 1-2375slc1	20515	Slc20a1	0.30665221 5	1.36877840 5	2.72485252 3	1.36193211 9	-0.759587756
TRCN00000 68568	NM_011027. 1-876slc1	18439	P2rx7	2.09645132 9	1.70752493 8	3.92234374 5	1.17567103 9	-1.637662243

TRCN00000 68570	NM_011027. 1-610slc1	18439	P2rx7	0.10865354 2	1.27745358 8	2.30286741 3	3.40827436 7	-0.622878521
TRCN00000 68571	NM_011027. 1-1368slc1	18439	P2rx7	-2.11510083	1.11050781 4	4.15557313 4	-3.09784689	-2.619757167
TRCN00000 68572	NM_011027. 1-105slc1	18439	P2rx7	2.03709397 7	1.36877840 5	3.83946910 5	0.55742740 7	-1.950692224
TRCN00000 68823	NM_010291. 2-605slc1	14622	Gjb5	2.71293231 3	1.27745358 8	4.00434830 1	0.09293911 3	-1.975448772
TRCN00000 68824	NM_010291. 2-768slc1	14622	Gjb5	1.12945257 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.43547522
TRCN00000 68825	NM_010291. 2-633slc1	14622	Gjb5	0.07757617	1.27745358 8	3.97614233 7	2.35145649 9	-1.881869064
TRCN00000 68826	NM_010291. 2-495slc1	14622	Gjb5	1.70689458 4	2.32984614 7	3.54896178 4	0.27920257 6	-1.826624985
TRCN00000 68827	NM_010291. 2-825slc1	14622	Gjb5	1.85260554 8	1.22211402 5	3.74476251 5	1.26778277 6	-2.021816216
TRCN00000 68833	NM_183285. 1-659slc1	70382	Kctd2	2.90273205 5	1.27745358 8	3.83539553 5	3.98535949 6	-3.000235169
TRCN00000 68835	NM_183285. 1-416slc1	70382	Kctd2	2.80313341 2	4.83544767 9	1.71395520 6	0.46134142 5	0.821232012
TRCN00000 68836	NM_183285. 1-690slc1	70382	Kctd2	0.02345809 2	-0.22441012	3.16641020 4	2.70223114 6	0.054077712
TRCN00000 68837	NM_183285. 1-760slc1	70382	Kctd2	0.01940022 3	1.27745358 8	3.92234374 5	3.40827436 7	-2.147167869
TRCN00000 69038	NM_028787. 2-2097slc1	74150	Slc35f5	0.93185523 5	1.11050781 4	4.30442851 1	3.99495816 8	-2.585437432
TRCN00000 69039	NM_028787. 2-872slc1	74150	Slc35f5	2.03580133 5	1.19156721 9	0.12059220 2	3.92748914 9	-1.758566375
TRCN00000 69040	NM_028787. 2-749slc1	74150	Slc35f5	1.22333631 8	1.19156721 9	1.14481365 6	0.72982167 9	0.111690269
TRCN00000 69041	NM_028787. 2-255slc1	74150	Slc35f5	1.15105459	4.39602317 9	8.13430878 9	0.52549097 7	-0.515435011
TRCN00000 69042	NM_028787. 2-495slc1	74150	Slc35f5	1.82681405 7	1.36877840 5	3.90241960 7	3.67020792 7	-1.778647971
TRCN00000 69045	XM_357391. 1-86slc1	384054	UNK	0.26672865 3	-1.46120823	3.83539553 5	3.83375501 9	-2.349271859
TRCN00000 69088	XM_355081. 1-1537slc1	106931	Kctd1	2.54828262 4	1.36877840 5	3.78353119 7	3.24472727 6	-2.736329876
TRCN00000 69089	XM_355081. 1-1795slc1	106931	Kctd1	0.73439462 3	4.83800269 9	3.42458491 6	4.88427314 1	-1.051312495
TRCN00000 69090	XM_355081. 1-696slc1	106931	Kctd1	-1.35405713	1.36877840 5	2.55589975 7	3.40827436 7	-2.171752415
TRCN00000 69092	XM_355081. 1-2125slc1	106931	Kctd1	0.28694497 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.22484832
TRCN00000 69153	XM_134169. 4-672slc1	11739	Slc25a4	0.31632575 9	1.11050781 4	2.34868056 3	3.24472727 6	-1.596897474

TRCN00000 69154	XM_134169. 4-174slc1	11739	Slc25a4	0.68805310 2	1.36877840 5	0.33533028 2	1.61719185 7	-0.193742483
TRCN00000 69155	XM_134169. 4-312slc1	11739	Slc25a4	0.44289360 4	1.36877840 5	4.00434830 1	-4.42908562	-2.561276483
TRCN00000 69156	XM_134169. 4-209slc1	11739	Slc25a4	1.61877891 9	1.27745358 8	3.72521500 6	-1.46286512	-2.021078158
TRCN00000 69157	XM_134169. 4-873slc1	11739	Slc25a4	-1.74831369	1.36877840 5	3.88919412 7	3.40827436 7	-2.603640147
TRCN00000 69370	NM_021415. 2-1170slc1	58226	Cacna1h	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 69372	NM_021415. 2-5352slc1	58226	Cacna1h	0.01940022 3	1.27745358 8	3.83539553 5	3.24472727 6	-2.084544044
TRCN00000 69468	NM_146188. 1-2280slc1	233107	Kctd15	1.45745385 5	3.17404902 8	3.01547944 9	4.57719289 9	-1.469019294
TRCN00000 69469	NM_146188. 1-522slc1	233107	Kctd15	0.33164851 9	4.55125883 6	3.92234374 5	1.59237584 3	-2.599406736
TRCN00000 69470	NM_146188. 1-976slc1	233107	Kctd15	1.06317274 1	-1.46120823	3.83539553 5	2.96454824 4	-1.799494817
TRCN00000 69471	NM_146188. 1-568slc1	233107	Kctd15	2.36433207 2	1.36988341 4	3.95248396 3	1.06308340 8	-2.187445714
TRCN00000 69615	XM_357350. 1-607slc1	383962	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 69709	NM_030601. 2-1408slc1	80797	Clca2	0.04211096 2	2.10332137 7	5.62972005 7	6.87308028 5	-2.610397482
TRCN00000 69710	NM_030601. 2-1916slc1	80797	Clca2	0.24180442 7	-1.46120823	3.63381687 7	-3.09784689	-1.987766893
TRCN00000 69711	NM_030601. 2-2615slc1	80797	Clca2	0.14971702 5	1.45674636 1	1.89401619 5	7.20259447 9	-2.675768515
TRCN00000 69712	NM_030601. 2-1601slc1	80797	Clca2	0.59958785 5	5.54948248 1	0.80870428 4	8.12883787 4	-3.471859196
TRCN00000 69939	XM_356113. 1-431slc1	382039	UNK	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 70122	XM_484499. 1-267slc1		UNK	0.01940022 3	1.36877840 5	3.97614233 7	3.40827436 7	-2.183448722
TRCN00000 70203	NM_025530. 1-1021slc1	66388	Cutc	0.72400340 9	1.36877840 5	3.83539553 5	2.90450178 4	-2.208169783
TRCN00000 70204	NM_025530. 1-678slc1	66388	Cutc	0.11716186 6	1.27745358 8	3.67987159 6	0.29258192 9	-1.136895347
TRCN00000 70205	NM_025530. 1-913slc1	66388	Cutc	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00000 70329	XM_485785. 1-237slc1	434043	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 70384	NM_177263. 3-2910slc1	320799	Zhx3	1.35737157 3	5.49599227 8	3.88919412 7	3.39639363 8	-2.856052118
TRCN00000 70385	NM_177263. 3-714slc1	320799	Zhx3	0.06388154 6	-5.21328412	3.95248396 3	3.40827436 7	-3.159480999

TRCN00000 70386	NM_177263. 3-1742s1c1	320799	Zhx3	0.23019831 9	0.89152777 5	3.88919412 7	3.40827436 7	-2.104798647
TRCN00000 70387	NM_177263. 3-2314s1c1	320799	Zhx3	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 70533	NM_010710. 2-2000s1c1	16870	Lhx2	0.01940022 3	1.36877840 5	3.97614233 7	3.40827436 7	-2.183448722
TRCN00000 70534	NM_010710. 2-1654s1c1	16870	Lhx2	3.42117055 3	1.27745358 8	3.97614233 7	2.62567687 4	-2.825110838
TRCN00000 70535	NM_010710. 2-1323s1c1	16870	Lhx2	3.20903099 4	1.83736068 4	0.67280729 6	2.27052466 9	-1.661027263
TRCN00000 70536	NM_010710. 2-887s1c1	16870	Lhx2	0.61472762 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.256525654
TRCN00000 70537	NM_010710. 2-1197s1c1	16870	Lhx2	0.45716659 4	1.36877840 5	3.83539553 5	2.73003321 3	-2.097843437
TRCN00000 70608	NM_010055. 2-600s1c1	13393	Dlx3	1.36542329 2	1.27745358 8	3.88919412 7	2.84253081 2	-1.660938809
TRCN00000 70609	NM_010055. 2-642s1c1	13393	Dlx3	3.60115225 2	1.36877840 5	3.88919412 7	-3.09784689	-1.188666793
TRCN00000 70611	NM_010055. 2-299s1c1	13393	Dlx3	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 70612	NM_010055. 2-704s1c1	13393	Dlx3	0.27965491 4	1.54807117 8	3.83539553 5	-4.26849828	-2.34307752
TRCN00000 70633	NM_013601. 1-771s1c1	17702	Msx2	0.51051298 2	1.19156721 9	1.82278616 3	1.16874987 9	-0.006754488
TRCN00000 70634	NM_013601. 1-853s1c1	17702	Msx2	0.94118657 1	1.74954193 2	-3.8659399	1.13753553 5	-0.884189932
TRCN00000 70635	NM_013601. 1-1137s1c1	17702	Msx2	0.33222767 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.249618643
TRCN00000 70637	NM_013601. 1-777s1c1	17702	Msx2	0.46012543 7	1.36877840 5	3.73346684 1	3.83375501 9	-2.349031426
TRCN00000 70774	NM_010451. 1-621s1c1	15399	Hoxa2	1.36827618 4	1.36877840 5	3.68508170 8	3.40827436 7	-2.457602666
TRCN00000 70775	NM_010451. 1-266s1c1	15399	Hoxa2	1.22618443 1	1.36877840 5	3.83539553 5	2.69803507 9	-2.282098363
TRCN00000 70777	NM_010451. 1-854s1c1	15399	Hoxa2	1.47307432 8	1.36877840 5	3.88919412 7	3.24472727 6	-2.493943534
TRCN00000 70888	NM_008270. 1-696s1c1	15417	Hoxb9	0.51861117 6	1.36877840 5	-6.6661009	0.81248266 8	-1.675946365
TRCN00000 70889	NM_008270. 1-69s1c1	15417	Hoxb9	1.42911941 4	1.54807117 8	1.99292998 9	3.40827436 7	-2.094598737
TRCN00000 70890	NM_008270. 1-431s1c1	15417	Hoxb9	0.12205729 9	0.89152777 5	3.50630025 6	3.24472727 6	-1.880124502
TRCN00000 70891	NM_008270. 1-759s1c1	15417	Hoxb9	1.31007935 9	1.62999988 9	3.92234374 5	3.40827436 7	-2.56767434
TRCN00000 70892	NM_008270. 1-472s1c1	15417	Hoxb9	0.06454076 8	-1.46120823	3.88919412 7	2.84253081 2	-2.064368484

TRCN00000 70983	NM_011623. 1-1823slc1	21973	Top2a	1.90831537 7	1.36877840 5	4.20937172 6	3.83375501 9	-2.830055132
TRCN00000 70984	NM_011623. 1-2898slc1	21973	Top2a	1.61711937 7	1.05332236 6	1.17806665 5	-0.7073269	-0.549925497
TRCN00000 70985	NM_011623. 1-3200slc1	21973	Top2a	1.30528961 9	1.22084888 7	2.30374785 5	3.76687953 5	-1.538767031
TRCN00000 70986	NM_011623. 1-3865slc1	21973	Top2a	0.44541748 2	2.83660826 6	3.78353119 7	-1.64242105	-0.758690366
TRCN00000 70987	NM_011623. 1-970slc1	21973	Top2a	0.01940022 3	1.36877840 5	3.78353119 7	3.40827436 7	-2.135295937
TRCN00000 71048	NM_007626. 2-1446slc1	12419	Cbx5	0.81791507 4	1.12619138 3	2.93256631 4	5.92094537 3	-2.699404536
TRCN00000 71049	NM_007626. 2-356slc1	12419	Cbx5	2.25787378 3	1.58994295 2	0.86305508 1	4.09405200 2	-2.201230955
TRCN00000 71050	NM_007626. 2-547slc1	12419	Cbx5	3.40394687 4	1.07082054 8	2.61775246 7	-2.55070135	-2.41080531
TRCN00000 71051	NM_007626. 2-465slc1	12419	Cbx5	0.6121274	4.31261426 5	4.00662874 3	2.95384321 2	-0.508932573
TRCN00000 71052	NM_007626. 2-244slc1	12419	Cbx5	1.07771155 5	1.97011429	5.98463579 4	2.11216294 8	-1.801099002
TRCN00000 71093	NM_197982. 2-1202slc1	68278	Ddx39	-0.91718261	1.36877840 5	4.15557313 4	0.45608438	-1.496362442
TRCN00000 71094	NM_197982. 2-800slc1	68278	Ddx39	0.35794747 7	1.19156721 9	3.78353119 7	1.06308340 8	-1.420058587
TRCN00000 71095	NM_197982. 2-929slc1	68278	Ddx39	0.66183354 1	-1.46120823	2.50223995 4	4.45182693 2	-1.938360394
TRCN00000 71096	NM_197982. 2-245slc1	68278	Ddx39	1.31541897 9	2.49362077 1	0.16127828 6	4.98990222 4	-2.240055065
TRCN00000 71097	NM_197982. 2-1362slc1	68278	Ddx39	0.09740707 6	1.27745358 8	3.83539553 5	3.40827436 7	-2.105929104
TRCN00000 71104	NM_007840. 1-467slc1	13207	Ddx5	0.23350109 5	1.27745358 8	3.29095602 3	3.24472727 6	-2.011659496
TRCN00000 71105	NM_007840. 1-833slc1	13207	Ddx5	1.98096872 8	2.06639622 3	4.48478627 2	0.03010901 7	-2.14056506
TRCN00000 71106	NM_007840. 1-1878slc1	13207	Ddx5	0.79227558 6	0.33627651 5	4.27897056 2	3.39002889 5	-2.19938789
TRCN00000 71107	NM_007840. 1-313slc1	13207	Ddx5	0.40614315 6	0.97169993 9	1.76056092 7	9.91013173 5	-2.77628397
TRCN00000 71113	NM_007842. 1-3540slc1	13211	Dhx9	4.34726552 9	0.23288628 9	8.08186467 9	4.80016146 5	-4.365544491
TRCN00000 71114	NM_007842. 1-2028slc1	13211	Dhx9	1.42041111	0.29129527 1	4.37417060 8	8.88624927 2	-2.887178375
TRCN00000 71115	NM_007842. 1-165slc1	13211	Dhx9	0.20013658 2	5.65555950 8	-7.57905511	3.87028706 3	-4.326259566
TRCN00000 71116	NM_007842. 1-2199slc1	13211	Dhx9	-0.56761606	1.37172929 9	1.25431739 3	0.41996416 9	-0.066265949

TRCN00000 71117	NM_007842. 1-1113slc1	13211	Dhx9	1.56642409 4	1.28399704 4	-3.16065952	2.62567687 4	-2.159189383
TRCN00000 71123	NM_012012. 2-1120slc1	26909	Exo1	1.84939462 7	1.19156721 9	4.22031062 2	0.75611419 5	-2.004346666
TRCN00000 71124	NM_012012. 2-2335slc1	26909	Exo1	0.23345435 5	1.19156721 9	1.59154572 1	1.31373080 3	-0.286801664
TRCN00000 71126	NM_012012. 2-1561slc1	26909	Exo1	0.70553005 6	0.96089254 1	3.85403447 4	1.90541142 4	-0.903761412
TRCN00000 71127	NM_012012. 2-360slc1	26909	Exo1	1.29862515 1	4.96782375 7	3.54896178 4	3.71818678 7	-3.38339937
TRCN00000 71503	NM_022410. 1-6980slc1	17886	Myh9	0.08688282 2	4.81726143 6	3.16901431 9	3.39002889 5	-1.281289709
TRCN00000 71504	NM_022410. 1-867slc1	17886	Myh9	1.28250197 4	0.40797469 4	2.72934078 6	7.06102754 4	-2.87021125
TRCN00000 71548	NM_021459. 2-343slc1	16392	Isl1	0.43993379 7	3.41855606 9	3.49184093 9	0.31550992 7	-1.538738321
TRCN00000 71550	NM_021459. 2-1103slc1	16392	Isl1	0.15222688 2	1.36877840 5	3.78353119 7	3.24472727 6	-2.061202499
TRCN00000 71551	NM_021459. 2-969slc1	16392	Isl1	-0.56868254	1.19156721 9	3.83539553 5	3.24472727 6	-2.210093143
TRCN00000 71553	NM_021458. 1-522slc1	14365	Fzd3	2.82470386 4	1.27745358 8	3.83539553 5	0.27920257 6	-1.914587603
TRCN00000 71554	NM_021458. 1-1172slc1	14365	Fzd3	3.21091210 2	1.11050781 4	3.59379665 9	4.57768556 2	-3.123225534
TRCN00000 71555	NM_021458. 1-2245slc1	14365	Fzd3	4.21863668 8	1.12619138 3	0.55810102 7	1.66939420 6	-1.058383723
TRCN00000 71556	NM_021458. 1-419slc1	14365	Fzd3	0.24180442 7	1.36877840 5	3.73346684 1	2.87980131 8	-1.935060534
TRCN00000 71557	NM_021458. 1-1513slc1	14365	Fzd3	1.51706552 4	1.27745358 8	2.13867754 9	3.40827436 7	-0.257496221
TRCN00000 71638	NM_019410. 2-421slc1	18645	Pfn2	0.11493076 8	0.83370715 5	0.61131150 6	4.78939205 7	-1.529869988
TRCN00000 71639	NM_019410. 2-187slc1	18645	Pfn2	1.10042979 5	0.94135959 7	4.50992653 6	5.98445584 3	-3.134042943
TRCN00000 71640	NM_019410. 2-344slc1	18645	Pfn2	0.90632219 9	1.19156721 9	0.67952477 5	4.04984431 2	-1.253653527
TRCN00000 71642	NM_019410. 2-291slc1	18645	Pfn2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 71673	NM_008973. 1-1703slc1	19242	Ptn	0.48671651 8	0.48396360 6	5.19931643 6	2.29916348 8	0.725726465
TRCN00000 71676	NM_008973. 1-1845slc1	19242	Ptn	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 71677	NM_008973. 1-1686slc1	19242	Ptn	0.11562101 9	1.36877840 5	4.51874181 8	3.83375501 9	-2.401413556
TRCN00000 71683	NM_009861. 1-161slc1	12540	Cdc42	3.41518738 2	6.21954182 5	3.88919412 7	3.40827436 7	-2.525455734

TRCN00000 71684	NM_009861. 1-384slc1	12540	Cdc42	0.09764285 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.128701363
TRCN00000 71687	NM_009861. 1-401slc1	12540	Cdc42	0.46986182 5	4.08912074 1	0.74316336 1	-3.09784689	-1.728416524
TRCN00000 71734	NM_020510. 1-1527slc1	57265	Fzd2	1.96498425 1	1.36877840 5	3.88919412 7	3.24472727 6	-1.634428889
TRCN00000 71735	NM_020510. 1-1059slc1	57265	Fzd2	0.40301752 2	0.09951337 4	0.75731574 4	3.49162275 7	-0.936601901
TRCN00000 71736	NM_020510. 1-1195slc1	57265	Fzd2	0.23586332 1	1.36877840 5	3.97614233 7	3.40827436 7	-2.247264608
TRCN00000 71737	NM_020510. 1-1824slc1	57265	Fzd2	0.42357639 1	0.98395760 1	4.79181623 6	8.87882849 8	-3.769544682
TRCN00000 71748	NM_015814. 2-248slc1	50781	Dkk3	0.50035672 1	0.64327250 6	4.08194125 4	3.40827436 7	-2.158461212
TRCN00000 71749	NM_015814. 2-1028slc1	50781	Dkk3	1.10094319 7	1.27745358 8	1.87097532 7	2.62567687 4	-0.232802985
TRCN00000 71750	NM_015814. 2-377slc1	50781	Dkk3	0.01940022 3	1.36877840 5	3.92234374 5	3.40827436 7	-2.169999074
TRCN00000 71751	NM_015814. 2-545slc1	50781	Dkk3	0.10570939 4	0.96089254 1	3.88919412 7	1.12821037 2	-0.904041726
TRCN00000 71752	NM_015814. 2-735slc1	50781	Dkk3	1.73530053 4	1.27745358 8	3.83539553 5	0.33199124 9	-1.629039602
TRCN00000 71828	NM_009524. 2-1230slc1	22418	Wnt5a	0.32465374 3	0.89152777 5	6.36118591 1	0.37035260 9	-1.639426834
TRCN00000 71829	NM_009524. 2-885slc1	22418	Wnt5a	0.496251	3.56127183 7	-6.39795878	0.92884886 9	-2.597957122
TRCN00000 71831	NM_009524. 2-763slc1	22418	Wnt5a	3.88179533 6	-1.21305433	3.63826679 6	1.69775600 4	-1.758840115
TRCN00000 71832	NM_009524. 2-704slc1	22418	Wnt5a	1.41849085 8	1.36877840 5	5.73585723 5	3.40827436 7	-2.273604787
TRCN00000 71888	NM_173761. 3-2561slc1	228994	Ythdf1	0.47256207 2	4.55984653 3	3.97614233 7	0.39215269 1	-2.154099563
TRCN00000 71889	NM_173761. 3-1783slc1	228994	Ythdf1	3.42238888 2	0.75528972 2	3.87047940 7	1.51076891 6	-2.389731732
TRCN00000 71890	NM_173761. 3-672slc1	228994	Ythdf1	2.86877007 2	1.27745358 8	0.79429619 5	3.21685815 8	1.400617709
TRCN00000 71891	NM_173761. 3-1717slc1	228994	Ythdf1	0.51391329 5	4.48565259 3	3.88919412 7	3.40827436 7	-3.074258596
TRCN00000 71892	NM_173761. 3-308slc1	228994	Ythdf1	1.15123821 3	1.27745358 8	2.15711886 6	1.81558739 3	-0.692555819
TRCN00000 71928	NM_146120. 2-2050slc1	227753	Gsn	3.39065100 9	3.06903493 3	3.83539553 5	1.79076891 6	-3.021462598
TRCN00000 71929	NM_146120. 2-494slc1	227753	Gsn	0.94924302 4	-1.46120823	3.97614233 7	-1.80390019	-2.047623445
TRCN00000 71930	NM_146120. 2-784slc1	227753	Gsn	1.42478987 3	1.27745358 8	4.05814689 3	2.43719965 6	-2.299397503

TRCN00000 71931	NM_146120. 2-340slc1	227753	Gsn	1.22706588 9	2.93414134 3	3.88919412 7	1.24979904 9	-1.086617633
TRCN00000 71932	NM_146120. 2-2190slc1	227753	Gsn	1.05463613 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.416771111
TRCN00000 71933	NM_146083. 1-383slc1	225027	Sfrs7	-2.09252854	1.27745358 8	4.00434830 1	1.16180241 8	-2.134033212
TRCN00000 71936	NM_146083. 1-588slc1	225027	Sfrs7	2.03519870 1	1.19156721 9	3.88919412 7	2.97612380 2	-2.523020962
TRCN00000 71937	NM_146083. 1-159slc1	225027	Sfrs7	0.17406390 4	1.19156721 9	4.17590434 7	-3.34230467	-2.220960035
TRCN00000 71948	NM_011594. 2-2370slc1	21858	Timp2	2.50169445 7	1.27745358 8	4.10370879 6	0.33016982 2	-1.888171755
TRCN00000 71949	NM_011594. 2-792slc1	21858	Timp2	1.39504052 3	1.36988341 4	-2.29531161	1.43614505 4	-0.208502362
TRCN00000 71950	NM_011594. 2-389slc1	21858	Timp2	1.49037632 6	1.27745358 8	2.59998380 9	3.24472727 6	-2.15313525
TRCN00000 71951	NM_011594. 2-462slc1	21858	Timp2	1.12413155 6	-5.5962062	2.41096608 6	0.14010314 2	-2.247800175
TRCN00000 71952	NM_011594. 2-623slc1	21858	Timp2	0.03639032 2	1.36877840 5	4.05814689 3	-3.09784689	-2.140290628
TRCN00000 72059	NM_009041. 1-748slc1	19684	Rdx	0.01940022 3	-1.46120823	3.97614233 7	3.40827436 7	-2.206556178
TRCN00000 72061	NM_009041. 1-478slc1	19684	Rdx	0.01940022 3	1.27745358 8	3.73346684 1	3.40827436 7	-2.099948643
TRCN00000 72074	NM_009391. 2-373slc1	19384	Ran	0.25422082 1	1.36877840 5	3.97614233 7	2.96454824 4	-2.140922452
TRCN00000 72075	NM_009391. 2-216slc1	19384	Ran	0.03639032 2	1.36877840 5	3.83539553 5	3.24472727 6	-2.121322885
TRCN00000 72076	NM_009391. 2-489slc1	19384	Ran	0.16250044 9	1.12619138 3	4.20937172 6	1.21508895 9	-1.07074365
TRCN00000 72077	NM_009391. 2-655slc1	19384	Ran	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 72088	NM_011462. 1-705slc1	20729	Spin	0.08008195 8	0.61026497 1	0.05994518 8	4.07715796 1	-0.87175744
TRCN00000 72089	NM_011462. 1-199slc1	20729	Spin	3.29151684 1	1.11050781 4	3.88919412 7	0.43210499 8	-0.319020026
TRCN00000 72091	NM_011462. 1-232slc1	20729	Spin	1.25980147 8	1.36877840 5	3.78353119 7	3.40827436 7	-1.825195623
TRCN00000 72092	NM_011462. 1-711slc1	20729	Spin	0.02840123 4	0.70144729 1	4.59010539 2	4.06198818 7	-2.345485526
TRCN00000 75393	NM_008817. 2-5697slc1	18616	Peg3	0.03639032 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.175659305
TRCN00000 75396	NM_008817. 2-660slc1	18616	Peg3	1.46711380 4	1.27745358 8	3.88919412 7	3.24472727 6	-1.736065297
TRCN00000 75453	NM_007792. 2-678slc1	13008	Csrp2	0.75978424 9	1.36988341 4	3.83539553 5	4.97381912 6	-2.734720581

TRCN00000 75454	NM_007792. 2-562slc1	13008	Csrp2	0.01735561 5	1.36877840 5	3.88919412 7	3.24472727 6	-2.130013856
TRCN00000 75455	NM_007792. 2-249slc1	13008	Csrp2	2.69371675 8	2.31461131 3	2.53430849 1	2.62567687 4	-1.19521998
TRCN00000 75456	NM_007792. 2-395slc1	13008	Csrp2	0.20076732 2	0.13189363 4	2.22410877 4	0.65703087 2	-0.737503334
TRCN00000 75457	NM_007792. 2-393slc1	13008	Csrp2	0.48951012 6	-0.12932785	6.80019240 6	-5.50695334	-2.986740868
TRCN00000 75563	NM_010688. 2-2493slc1	16796	Lasp1	0.28694497 2	1.27745358 8	3.88919412 7	0.87184797 7	-1.581360166
TRCN00000 75564	NM_010688. 2-274slc1	16796	Lasp1	0.09010347 4	1.36877840 5	3.73346684 1	3.40827436 7	-2.150155772
TRCN00000 75565	NM_010688. 2-462slc1	16796	Lasp1	0.54163870 2	1.27745358 8	1.31802156 8	3.40827436 7	-0.977336272
TRCN00000 75567	NM_010688. 2-249slc1	16796	Lasp1	1.24791978 5	1.27745358 8	3.83539553 5	3.24472727 6	-2.401374046
TRCN00000 75598	XM_125814. 4-1216slc1	114774	Pawr	0.53845264 5	5.78991343 5	3.73346684 1	5.34951620 2	-3.583610958
TRCN00000 75599	XM_125814. 4-898slc1	114774	Pawr	2.50755553 3	1.36877840 5	1.67850637 2	2.84253081 2	-1.260089595
TRCN00000 75600	XM_125814. 4-1342slc1	114774	Pawr	1.18294919 6	1.27745358 8	4.05814689 3	3.24472727 6	-2.440819238
TRCN00000 75601	XM_125814. 4-1116slc1	114774	Pawr	0.53101818 4	1.36877840 5	1.20765058 5	1.01169472 7	-0.25842902
TRCN00000 75602	XM_125814. 4-676slc1	114774	Pawr	2.76437645 8	-1.98166369	-1.26968063	7.43478097 2	-3.362625438
TRCN00000 75694	NM_027350. 1-1597slc1	70223	Nars	0.72094708 1	1.36877840 5	4.00434830 1	3.40827436 7	-2.375587039
TRCN00000 75695	NM_027350. 1-448slc1	70223	Nars	2.34500352 2	4.34958522 7	-5.55314888	5.56369897 6	-2.278066538
TRCN00000 75696	NM_027350. 1-449slc1	70223	Nars	2.93879087 7	4.26290456 5	5.46332613 4	5.49153990 6	-2.407688088
TRCN00000 75721	NM_007494. 2-617slc1	11898	Ass1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 75722	NM_007494. 2-206slc1	11898	Ass1	-3.44431832	1.27745358 8	3.83539553 5	-3.09784689	-2.913753583
TRCN00000 75748	NM_180678. 2-2225slc1	353172	Gars	2.23916019 1	1.91785641 7	3.54896178 4	6.99042518 9	-3.674100895
TRCN00000 75749	NM_180678. 2-1553slc1	353172	Gars	1.81332411 8	1.36877840 5	3.88919412 7	3.24472727 6	-2.579005982
TRCN00000 75750	NM_180678. 2-1037slc1	353172	Gars	0.14188839 9	1.36877840 5	3.59292338 6	2.96454824 4	-2.017034609
TRCN00000 75751	NM_180678. 2-368slc1	353172	Gars	2.37519069 2	1.01583769 6	3.83539553 5	2.12112686 9	-2.336887698
TRCN00000 75752	NM_180678. 2-1998slc1	353172	Gars	3.62263674 3	1.36877840 5	5.89657239 5	-3.11516156	-3.500787276

TRCN00000 75779	NM_008195. 1-1238slc1	14937	UNK	0.07350020 5	1.30771183 4	4.40301629 5	1.03190370 3	-1.01342699
TRCN00000 75791	NM_145211. 1-731slc1	246730	Oas1a	0.09740707 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.119378752
TRCN00000 75792	NM_145211. 1-118slc1	246730	Oas1a	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 75838	NM_145153. 2-1294slc1	243262	Oas1f	-1.14774544	4.61053100 2	6.84063752 5	1.22907336 5	-0.53719465
TRCN00000 75840	NM_145153. 2-524slc1	243262	Oas1f	0.97626822 3	1.36877840 5	4.00434830 1	7.27423347 8	-3.405907102
TRCN00000 75842	NM_145153. 2-879slc1	243262	Oas1f	2.64693222 6	1.36877840 5	3.88919412 7	3.40827436 7	-1.504828668
TRCN00000 75943	NM_172308. 2-3319slc1	270685	Mthfd11	1.26070190 9	1.28980058 7	-4.05364444	2.84253081 2	-2.361669437
TRCN00000 75944	NM_172308. 2-1684slc1	270685	Mthfd11	0.02920831 2	1.27745358 8	3.88919412 7	3.24472727 6	-2.09554167
TRCN00000 75945	NM_172308. 2-632slc1	270685	Mthfd11	0.32382206 8	2.62545759 4	1.40998804 8	0.23155022 1	-0.280799425
TRCN00000 75946	NM_172308. 2-1263slc1	270685	Mthfd11	0.05921182 9	0.44361011 5	3.92234374 5	3.40827436 7	-1.706949042
TRCN00000 76183	NM_172015. 1-4085slc1	105148	Iars	0.19831242 1	1.36877840 5	3.82041505 1	0.58129851 8	-1.393044888
TRCN00000 76184	NM_172015. 1-939slc1	105148	Iars	0.01940022 3	1.54807117 8	4.14981910 3	2.86268030 8	-2.135292592
TRCN00000 76185	NM_172015. 1-3309slc1	105148	Iars	0.37305510 8	1.36877840 5	3.88919412 7	3.24472727 6	-2.032411175
TRCN00000 76186	NM_172015. 1-428slc1	105148	Iars	-0.88165191	-1.46120823	3.78353119 7	0.25082995 5	-1.594305323
TRCN00000 76187	NM_172015. 1-1811slc1	105148	Iars	1.46981302 4	1.14018531 3	4.58884273 3	2.47733618 8	-2.419044315
TRCN00000 76243	NM_138651. 2-3680slc1	110911	Cds2	0.62632470 2	1.36988341 4	3.88919412 7	1.74804131 8	-1.90836089
TRCN00000 76244	NM_138651. 2-715slc1	110911	Cds2	0.14188839 9	1.36877840 5	3.88919412 7	3.24472727 6	-2.161147052
TRCN00000 76246	NM_138651. 2-692slc1	110911	Cds2	0.94465799 1	1.68116708 9	1.71662194 5	7.09855199 2	-2.860249754
TRCN00000 76247	NM_138651. 2-627slc1	110911	Cds2	0.96437070 6	0.89152777 5	3.70557741 4	2.74157287 7	-0.222790402
TRCN00000 76263	NM_008217. 2-1949slc1	15118	Has3	1.16625655 4	2.01113597 5	3.67987159 6	4.16191291 1	-1.166097995
TRCN00000 76264	NM_008217. 2-1017slc1	15118	Has3	3.58204322 6	3.51171046 2	3.88919412 7	3.40827436 7	-3.597805546
TRCN00000 76265	NM_008217. 2-1602slc1	15118	Has3	1.88978021 2	1.36877840 5	3.83539553 5	3.40827436 7	-1.680667024
TRCN00000 76266	NM_008217. 2-555slc1	15118	Has3	2.51366881 2	-0.85449665	3.67987159 6	2.07502501 1	0.013581394

TRCN00000 76267	NM_008217. 2-1250s1c1	15118	Has3	0.80069636 7	1.03376155 7	0.97641861 2	2.96454824 4	-0.955646889
TRCN00000 76398	NM_018753. 3-2198s1c1	54401	Ywhab	0.01940022 3	1.27745358 8	3.83539553 5	3.24472727 6	-2.084544044
TRCN00000 76400	NM_018753. 3-794s1c1	54401	Ywhab	0.18700931 1	1.36877840 5	3.68508170 8	2.52836256 1	-1.848803341
TRCN00000 76401	NM_018753. 3-297s1c1	54401	Ywhab	0.05334392 3	1.19156721 9	-5.83688596	1.13290926 2	-2.02700463
TRCN00000 76402	NM_018753. 3-476s1c1	54401	Ywhab	3.37872192 2	-1.46120823	3.83539553 5	3.40827436 7	-1.331539053
TRCN00000 76418	NM_130452. 1-1402s1c1	170442	Bbox1	1.04554473 1	1.15274925 9	8.56534819 4	3.52089173 5	-3.048361114
TRCN00000 76419	NM_130452. 1-1001s1c1	170442	Bbox1	1.00251219 8	1.27745358 8	0.93572528	3.24472727 6	-1.147241946
TRCN00000 76420	NM_130452. 1-329s1c1	170442	Bbox1	1.37497372 4	1.44925434 7	3.15267990 4	5.92363501 3	-2.975135747
TRCN00000 76421	NM_130452. 1-903s1c1	170442	Bbox1	0.54316611 1	1.11050781 4	3.82041505 1	3.07266678 9	-1.865105886
TRCN00000 76422	NM_130452. 1-973s1c1	170442	Bbox1	0.01940022 3	1.27745358 8	3.83539553 5	3.24472727 6	-2.084544044
TRCN00000 76463	NM_011030. 1-2684s1c1	18451	P4ha1	0.49227724 5	4.78602223 9	3.75940474 6	2.73003321 3	-0.548923241
TRCN00000 76464	NM_011030. 1-1219s1c1	18451	P4ha1	4.15791910 3	1.45674636 1	3.63826679 6	-6.43110486	-3.92100928
TRCN00000 76465	NM_011030. 1-663s1c1	18451	P4ha1	3.66333229 1	1.27745358 8	3.92234374 5	3.24472727 6	-1.19529808
TRCN00000 76553	NM_183405. 1-243s1c1	333182	Cox6b2	1.45749198 2	1.36877840 5	3.92234374 5	3.40827436 7	-2.539222125
TRCN00000 76554	NM_183405. 1-324s1c1	333182	Cox6b2	0.91425206 5	4.72934887 1	2.64855318 1	-3.79178719	-0.199184859
TRCN00000 76555	NM_183405. 1-322s1c1	333182	Cox6b2	1.00495514 6	4.69755657 9	1.26436868 9	3.80631756 2	-0.344521205
TRCN00000 76556	NM_183405. 1-387s1c1	333182	Cox6b2	0.72069388 2	1.36877840 5	3.88919412 7	0.90201159 2	-1.720169502
TRCN00000 76557	NM_183405. 1-277s1c1	333182	Cox6b2	2.59871226 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.793408586
TRCN00000 76713	NM_145533. 1-1862s1c1	228608	Smox	-1.49495527	0.82534563 1	5.74005671 7	3.69426788 1	-2.938656375
TRCN00000 76714	NM_145533. 1-583s1c1	228608	Smox	0.64076896 9	1.36877840 5	3.73346684 1	3.40827436 7	-1.967437661
TRCN00000 76715	NM_145533. 1-382s1c1	228608	Smox	0.45543227 5	1.03376155 7	-6.2859426	-6.00806036	-3.445799198
TRCN00000 76716	NM_145533. 1-1227s1c1	228608	Smox	-1.07140026	0.58735289 9	4.09531084 8	1.65102857 3	-1.025758859
TRCN00000 76763	NM_015729. 1-115s1c1	11430	Acox1	0.99862244 7	1.36877840 5	3.78353119 7	-3.09784689	-2.312194735

TRCN00000 76764	NM_015729. 1-1551s1c1	11430	Acox1	0.09740707 6	-1.20293764	4.93794703 4	3.24472727 6	-2.322051219
TRCN00000 76765	NM_015729. 1-2021s1c1	11430	Acox1	0.07148787 8	0.58735289 9	6.95671393 9	0.40494891 4	-2.005125908
TRCN00000 76766	NM_015729. 1-1099s1c1	11430	Acox1	0.58834276 7	0.70144729 1	0.53061951 1	-3.99836582	-0.895212708
TRCN00000 76767	NM_015729. 1-324s1c1	11430	Acox1	0.58665928 4	2.02740236 2	2.29237430 1	3.65013979 4	-2.139143935
TRCN00000 76825	NM_012045. 2-236s1c1	26971	Pla2g2f	0.01940022 3	1.36877840 5	3.92234374 5	3.40827436 7	-2.169999074
TRCN00000 76826	NM_012045. 2-234s1c1	26971	Pla2g2f	0.01940022 3	1.36877840 5	3.78353119 7	3.67020792 7	-2.200779327
TRCN00000 76873	NM_013737. 2-1703s1c1	27226	Pla2g7	0.50772157 5	1.36877840 5	1.70857690 7	-3.99836582	-1.895860677
TRCN00000 76874	NM_013737. 2-470s1c1	27226	Pla2g7	0.28694497 2	1.27745358 8	1.46606086 9	3.24472727 6	-0.835766242
TRCN00000 76875	NM_013737. 2-612s1c1	27226	Pla2g7	1.73151108 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.585989848
TRCN00000 76877	NM_013737. 2-1020s1c1	27226	Pla2g7	0.28694497 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.215466764
TRCN00000 76918	NM_013829. 1-2010s1c1	18798	Plcb4	0.60439021 6	1.36877840 5	4.06985909 8	3.98535949 6	-2.204901696
TRCN00000 76919	NM_013829. 1-240s1c1	18798	Plcb4	1.76847568 3	0.76664567 2	1.62613280 1	4.34485283 1	-2.126526747
TRCN00000 76920	NM_013829. 1-704s1c1	18798	Plcb4	0.57559215 1	1.53458160 8	0.37734677 2	6.78539199 1	-1.263141251
TRCN00000 76921	NM_013829. 1-1475s1c1	18798	Plcb4	-1.26274103	2.04276802 8	2.62268281 6	0.15690890 4	-1.521275195
TRCN00000 76922	NM_013829. 1-2011s1c1	18798	Plcb4	3.30898088 2	1.36877840 5	4.72908661 3	4.08868316 6	-1.719391826
TRCN00000 77143	NM_007868. 1-11886s1c1	13405	Dmd	0.42849728 2	1.73201529 3	-4.1237001	3.31262555 3	-2.184960916
TRCN00000 77144	NM_007868. 1-10007s1c1	13405	Dmd	1.37009218 1	-0.85449665	9.22220674 3	6.74520066 4	-3.862952969
TRCN00000 77145	NM_007868. 1-753s1c1	13405	Dmd	0.16947469 4	1.36877840 5	3.92234374 5	3.40827436 7	-2.217217803
TRCN00000 77146	NM_007868. 1-1236s1c1	13405	Dmd	0.35191938 5	1.19156721 9	3.82647785 5	4.15311545 6	-2.380769979
TRCN00000 77147	NM_007868. 1-6094s1c1	13405	Dmd	0.54994031 7	1.36877840 5	3.88919412 7	2.96454824 4	-1.918145115
TRCN00000 77164	NM_138599. 2-1605s1c1	28185	Tomm70a	1.36060935 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.46582729
TRCN00000 77165	NM_138599. 2-693s1c1	28185	Tomm70a	1.44760800 2	3.37752357 3	4.36557502 4	0.34162550 5	-2.383083026
TRCN00000 77166	NM_138599. 2-694s1c1	28185	Tomm70a	1.51442928 5	3.43733443 5	4.10370879 6	0.42969683 1	-2.371292337

TRCN00000 77167	NM_138599. 2-1205slc1	28185	Tomm70a	1.60600852 3	1.27745358 8	3.54896178 4	2.84253081 2	-2.318738677
TRCN00000 77168	NM_009672. 2-1287slc1	11737	Anp32a	-1.71892866	1.27745358 8	1.96668442 5	7.90889212 4	-2.234647487
TRCN00000 77169	NM_009672. 2-310slc1	11737	Anp32a	3.70838003 5	1.27745358 8	3.92234374 5	0.10815262 5	-2.200006186
TRCN00000 77171	NM_009672. 2-692slc1	11737	Anp32a	1.21540665 6	3.69927453 9	3.73346684 1	-3.99836582	-0.704287867
TRCN00000 77172	NM_009672. 2-346slc1	11737	Anp32a	0.35173010 2	6.45450266 4	0.18514381 4	-2.6739542	-2.147895737
TRCN00000 77198	NM_010957. 2-1347slc1	18294	Ogg1	0.16218791 7	-1.46120823	3.88919412 7	-3.09784689	-2.152609291
TRCN00000 77202	NM_010957. 2-504slc1	18294	Ogg1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 77218	NM_019743. 2-2270slc1	56353	Rybp	0.85539954 9	1.23935585 7	3.20400781 3	-3.09784689	-1.479474599
TRCN00000 77219	NM_019743. 2-236slc1	56353	Rybp	0.09740707 6	2.29533477 7	5.43380062 4	5.35280929 5	-3.246134405
TRCN00000 77221	NM_019743. 2-743slc1	56353	Rybp	0.51677126 6	1.19156721 9	1.20393703 5	3.48367175 6	-1.340601186
TRCN00000 77222	NM_019743. 2-461slc1	56353	Rybp	3.03216206 1	1.36877840 5	3.83539553 5	3.40827436 7	-1.395071562
TRCN00000 77249	NM_011130. 1-457slc1	18970	Polb	0.86280176 4	3.29413433 6	4.58964217 5	1.34918348	0.229119351
TRCN00000 77250	NM_011130. 1-662slc1	18970	Polb	0.67836735 6	0.70144729 1	4.81629137 9	5.64698341 6	-2.621588683
TRCN00000 77252	NM_011130. 1-629slc1	18970	Polb	0.49152890 7	1.36877840 5	3.50630025 6	3.40827436 7	-2.193720484
TRCN00000 77273	NM_019738. 1-428slc1	56312	Nupr1	0.69848351 7	-4.73743098	0.17953223 6	1.96948924 6	-1.457226118
TRCN00000 77274	NM_019738. 1-76slc1	56312	Nupr1	0.17567640 9	1.19156721 9	3.82041505 1	2.96454824 4	-1.950213526
TRCN00000 77275	NM_019738. 1-239slc1	56312	Nupr1	0.91182950 9	4.98339471 7	5.39987669 9	2.84253081 2	-3.534407934
TRCN00000 77276	NM_019738. 1-67slc1	56312	Nupr1	2.13942257 2	0.89152777 5	3.83539553 5	3.40827436 7	-1.498943776
TRCN00000 77338	NM_011940. 1-1453slc1	26388	Ifi202b	0.96250266 1	1.11050781 4	8.12598901 4	7.07956179 4	-4.319640321
TRCN00000 77339	NM_011940. 1-1272slc1	26388	Ifi202b	0.03204073	1.36877840 5	2.92582448 9	3.40827436 7	-1.917709133
TRCN00000 77340	NM_011940. 1-596slc1	26388	Ifi202b	1.61961402 6	1.50739904 5	-1.92958356	7.26133173 8	-3.079482092
TRCN00000 77341	NM_011940. 1-704slc1	26388	Ifi202b	1.90559376 7	1.36877840 5	3.87047940 7	-3.09784689	-2.560674617
TRCN00000 77342	NM_011940. 1-1384slc1	26388	Ifi202b	1.96505743 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.61693931

TRCN00000 77378	NM_022886. 1-2632s1c1	64929	Scel	0.30892183 6	1.36877840 5	0.26283831 1	3.40827436 7	-1.051323156
TRCN00000 77379	NM_022886. 1-1859s1c1	64929	Scel	0.72737452 9	4.65903509 5	3.61998628 1	4.06347600 3	-3.267467977
TRCN00000 77380	NM_022886. 1-1200s1c1	64929	Scel	0.04848276 6	-1.46120823	4.22562879 3	3.40827436 7	-2.285898539
TRCN00000 77381	NM_022886. 1-688s1c1	64929	Scel	0.01940022 3	-1.46120823	3.83539553 5	3.40827436 7	-2.171369477
TRCN00000 77382	NM_022886. 1-2070s1c1	64929	Scel	2.08800487 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.688562943
TRCN00000 77424	NM_134083. 2-668s1c1	105670	Rcbb2	-0.18871878	1.36877840 5	3.88919412 7	-4.42908562	-2.468944233
TRCN00000 77425	NM_134083. 2-1829s1c1	105670	Rcbb2	2.05196602 9	0.26966742 7	3.88919412 7	-3.09784689	-1.301185604
TRCN00000 77426	NM_134083. 2-1568s1c1	105670	Rcbb2	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 77427	NM_134083. 2-846s1c1	105670	Rcbb2	1.21850673 1	1.19156721 9	3.55181232 1	3.82719910 1	-1.838017978
TRCN00000 77763	NM_009828. 1-1617s1c1	12428	Ccna2	0.37636324 6	1.17614080 7	2.04253641 1	8.86810707 1	-1.506448275
TRCN00000 77764	NM_009828. 1-626s1c1	12428	Ccna2	0.19079589 3	0.43153007 9	-5.43936017	-4.60140506	-2.665772801
TRCN00000 77765	NM_009828. 1-1314s1c1	12428	Ccna2	1.93731179 3	1.14018531 3	4.02850005 4	-5.30449816	-3.10262383
TRCN00000 77766	NM_009828. 1-614s1c1	12428	Ccna2	0.72299842 3	5.65120702 5	5.43380062 4	2.78082750 2	-3.647208394
TRCN00000 77767	NM_009828. 1-890s1c1	12428	Ccna2	3.03474492 4	1.28399704 4	3.90241960 7	2.96465299 2	-2.796453642
TRCN00000 77768	NM_007630. 1-1319s1c1	12442	Ccna2	2.65905637 9	1.36877840 5	3.88919412 7	-3.09784689	-2.75371895
TRCN00000 77769	NM_007630. 1-441s1c1	12442	Ccna2	0.19773061 5	1.36877840 5	3.07679707 2	3.24472727 6	-1.972008342
TRCN00000 77770	NM_007630. 1-1085s1c1	12442	Ccna2	1.72343875 6	3.03935728 1	0.16197643 3	3.40827436 7	-1.140554115
TRCN00000 77771	NM_007630. 1-939s1c1	12442	Ccna2	1.58954281 6	1.27745358 8	3.78353119 7	3.40827436 7	-2.514700492
TRCN00000 77772	NM_007630. 1-574s1c1	12442	Ccna2	0.44322143 2	1.36988341 4	5.82640276 9	10.4785932 2	-4.307914493
TRCN00000 77793	NM_007635. 2-2448s1c1	12452	Ccng2	-4.82166686	1.12619138 3	3.82041505 1	7.92736323 3	-4.423909132
TRCN00000 77794	NM_007635. 2-1139s1c1	12452	Ccng2	1.80640114 2	1.11050781 4	3.83539553 5	2.81436418 8	-2.39166717
TRCN00000 77796	NM_007635. 2-1289s1c1	12452	Ccng2	0.57693132 6	5.80875366 4	-8.45952517	3.89275301 1	-4.39602513
TRCN00000 77797	NM_007635. 2-951s1c1	12452	Ccng2	2.63924429 5	1.19156721 9	5.46485122 5	1.80161809 1	-0.553889015

TRCN00000 77813	NM_009877. 1-449s1c1	12578	Cdkn2a	0.97181803 9	1.36877840 5	3.92234374 5	1.54400859 5	-1.465828177
TRCN00000 77815	NM_009877. 1-169s1c1	12578	Cdkn2a	0.04077365 2	1.36877840 5	2.53430849 1	-3.09784689	-1.740040034
TRCN00000 77816	NM_009877. 1-508s1c1	12578	Cdkn2a	2.03519870 1	-1.46120823	4.94858845 6	2.19389277 7	-2.659722041
TRCN00000 78808	NM_172665. 1-1706s1c1	228026	Pdk1	0.17141156 4	1.28399704 4	4.03007691 7	1.27111522 7	-1.603444406
TRCN00000 78809	NM_172665. 1-396s1c1	228026	Pdk1	-0.24019477	-1.46120823	3.63826679 6	4.85737193 1	-2.549260432
TRCN00000 78810	NM_172665. 1-1419s1c1	228026	Pdk1	-2.10428152	1.48704307 4	3.95248396 3	2.96454824 4	-1.883567663
TRCN00000 78811	NM_172665. 1-852s1c1	228026	Pdk1	1.12337129 9	1.29806187 2	2.20083351 7	2.69311009 2	-1.828844195
TRCN00000 78812	NM_172665. 1-853s1c1	228026	Pdk1	1.56433697 3	1.21137140 3	2.07760226 9	2.98065629 8	-1.958491736
TRCN00000 78954	XM_485396. 2-141s1c1	433718	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 78963	NM_008882. 1-6274s1c1	18845	Plxna2	-0.7543542	1.36877840 5	3.83539553 5	3.24472727 6	-2.300813854
TRCN00000 78964	NM_008882. 1-3892s1c1	18845	Plxna2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 78965	NM_008882. 1-3095s1c1	18845	Plxna2	1.95139795 8	1.78109566 7	3.78353119 7	3.40827436 7	-2.731074797
TRCN00000 78966	NM_008882. 1-5392s1c1	18845	Plxna2	0.80990601 4	1.75977115 4	3.68508170 8	0.01973332 4	-1.163670043
TRCN00000 78967	NM_008882. 1-6013s1c1	18845	Plxna2	0.09740707 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.128760308
TRCN00000 79028	NM_175499. 2-3067s1c1	239250	Slitrk6	0.75316152 5	1.36877840 5	3.92234374 5	3.24472727 6	-2.322252738
TRCN00000 79029	NM_175499. 2-1347s1c1	239250	Slitrk6	0.03639032 2	1.03376155 7	3.83539553 5	-3.09784689	-2.000848576
TRCN00000 79030	NM_175499. 2-995s1c1	239250	Slitrk6	0.64775777 6	4.37190978 6	-6.34879958	6.79158887 2	-4.540014004
TRCN00000 79031	NM_175499. 2-2308s1c1	239250	Slitrk6	0.49959551 9	1.60388448 1	4.29243958 7	3.05115752 5	-2.361769278
TRCN00000 79032	NM_175499. 2-740s1c1	239250	Slitrk6	4.41525873 7	1.03376155 7	1.16729542 2	2.65202465 1	-1.733437381
TRCN00000 79033	NM_010279. 2-1997s1c1	14585	Gfra1	1.53895369 7	1.36877840 5	3.73346684 1	2.96454824 4	-1.631959948
TRCN00000 79034	NM_010279. 2-1344s1c1	14585	Gfra1	3.13360799 2	1.36877840 5	1.82966167 3	1.32386523 8	0.567656506
TRCN00000 79035	NM_010279. 2-518s1c1	14585	Gfra1	0.94946724 4	1.19156721 9	-4.1237001	0.39352363 1	-1.189830927
TRCN00000 79036	NM_010279. 2-1497s1c1	14585	Gfra1	-2.15768028	-3.71989466	4.00434830 1	5.14680443 4	-3.757181919

TRCN00000 79037	NM_010279. 2-355slc1	14585	Gfra1	4.51654415 7	3.33684819 8	3.82041505 1	1.49721042 7	-1.624330359
TRCN00000 79138	NM_008115. 1-1045slc1	14586	Gfra2	2.09534038 1	1.36877840 5	3.88919412 7	2.19389277 7	-2.386801423
TRCN00000 79139	NM_008115. 1-507slc1	14586	Gfra2	1.36093971 3	1.48083327 8	3.92234374 5	3.67020792 7	-1.868164527
TRCN00000 79140	NM_008115. 1-903slc1	14586	Gfra2	1.21222439 8	1.27745358 8	3.92234374 5	2.51465624 7	-1.625557296
TRCN00000 79253	NM_023908. 1-1825slc1	108116	Slco3a1	-0.91179559	1.36877840 5	3.12984450 3	2.73003321 3	-2.035112928
TRCN00000 79254	NM_023908. 1-724slc1	108116	Slco3a1	1.53541841 8	-1.46120823	4.34623817 9	3.67020792 7	-1.98555898
TRCN00000 79255	NM_023908. 1-771slc1	108116	Slco3a1	1.18294919 6	1.78109566 7	4.02517173 7	1.74804131 8	-2.18431448
TRCN00000 79256	NM_023908. 1-574slc1	108116	Slco3a1	1.05544808 4	1.36877840 5	3.01272572 4	3.40827436 7	-2.211306645
TRCN00000 79257	NM_023908. 1-815slc1	108116	Slco3a1	0.01940022 3	1.36877840 5	3.92234374 5	3.24472727 6	-2.129112301
TRCN00000 79363	NM_007513. 1-2127slc1	11987	Slc7a1	1.99769600 3	1.36877840 5	4.00434830 1	1.40793588 8	-2.194689649
TRCN00000 79364	NM_007513. 1-688slc1	11987	Slc7a1	-1.08920887	0.96089254 1	3.87047940 7	0.96694977 8	-1.721882649
TRCN00000 79365	NM_007513. 1-687slc1	11987	Slc7a1	2.03577551 4	2.87692333 2	3.95844439 5	1.32006272 6	-1.109339826
TRCN00000 79366	NM_007513. 1-1640slc1	11987	Slc7a1	-0.71275432	1.36877840 5	2.35328174 4	3.40827436 7	-1.960772209
TRCN00000 79367	NM_007513. 1-1956slc1	11987	Slc7a1	-0.70924019	1.36877840 5	3.88919412 7	3.40827436 7	-2.343871772
TRCN00000 79393	NM_011404. 2-3359slc1	20539	Slc7a5	0.55944640 3	1.36877840 5	4.17376445 5	0.27920257 6	-1.455696672
TRCN00000 79394	NM_011404. 2-988slc1	20539	Slc7a5	0.78128290 3	4.90460490 2	0.37989683 7	0.35826690 9	-1.606012888
TRCN00000 79396	NM_011404. 2-1244slc1	20539	Slc7a5	1.08310003 5	1.27745358 8	3.72521500 6	1.99815863 8	-1.021902498
TRCN00000 79397	NM_011404. 2-866slc1	20539	Slc7a5	1.81185802 2	1.36877840 5	6.90387087 9	3.24472727 6	-3.332308646
TRCN00000 79418	NM_022004. 5-825slc1	59095	Fxyd6	0.53336012 7	1.36877840 5	3.92234374 5	1.07963143 9	-1.726028429
TRCN00000 79419	NM_022004. 5-254slc1	59095	Fxyd6	0.18595094 4	1.36988341 4	3.68508170 8	1.45188272 5	-1.673199698
TRCN00000 79420	NM_022004. 5-216slc1	59095	Fxyd6	1.24864623 7	1.27745358 8	3.78353119 7	2.62567687 4	-1.609503856
TRCN00000 79421	NM_022004. 5-152slc1	59095	Fxyd6	1.63096524 8	1.36877840 5	0.36923210 6	0.57034391 9	0.300440717
TRCN00000 79422	NM_022004. 5-301slc1	59095	Fxyd6	-1.82734981	1.36877840 5	0.39644844 8	3.24472727 6	-1.511101761

TRCN00000 79543	NM_009196. 2-3568s1c1	20501	Slc16a1	1.17175490 6	1.19156721 9	0.84666307 1	2.36001043 9	-0.38328992
TRCN00000 79544	NM_009196. 2-1482s1c1	20501	Slc16a1	0.19876840 3	1.36877840 5	3.72521500 6	0.72697720 2	-1.141446153
TRCN00000 79545	NM_009196. 2-370s1c1	20501	Slc16a1	2.86439677	4.48465638 6	2.33183927 9	2.73003321 3	1.737714806
TRCN00000 79546	NM_009196. 2-693s1c1	20501	Slc16a1	0.16062073 7	0.42400646 4	2.04245867 8	0.17232084 7	0.321377658
TRCN00000 79547	NM_009196. 2-433s1c1	20501	Slc16a1	2.96836040 3	1.54807117 8	6.93961326 9	2.95384321 2	-3.602472016
TRCN00000 79553	NM_026228. 2-3047s1c1	67547	Slc39a8	0.74125104 2	5.43924404 6	3.85509736 9	5.32463232 3	-3.840056195
TRCN00000 79554	NM_026228. 2-655s1c1	67547	Slc39a8	3.31047597 8	1.36877840 5	3.78353119 7	1.52305458 4	-2.496460041
TRCN00000 79555	NM_026228. 2-1275s1c1	67547	Slc39a8	0.30835218 3	1.12619138 3	1.58104209 7	7.26280435 9	-1.624900366
TRCN00000 79556	NM_026228. 2-932s1c1	67547	Slc39a8	3.04636725 6	1.15274925 9	3.67525302 2	1.30497092 6	-1.642349653
TRCN00000 79557	NM_026228. 2-1602s1c1	67547	Slc39a8	0.36728197 9	1.36877840 5	4.91822007 2	-3.09784689	-2.254390847
TRCN00000 79793	NM_026532. 2-550s1c1	68051	Nutf2	0.32646857	1.36877840 5	7.23684072 2	2.84253081 2	-2.780420342
TRCN00000 79794	NM_026532. 2-187s1c1	68051	Nutf2	0.33537963 9	-0.11562006	5.09962232 9	8.74699149 1	-3.57440338
TRCN00000 79795	NM_026532. 2-130s1c1	68051	Nutf2	-2.40365612	0.58567094 3	5.40316992 4	0.78960830 8	-1.90072217
TRCN00000 79796	NM_026532. 2-178s1c1	68051	Nutf2	3.96833454 6	1.36877840 5	1.27590611 6	-3.09784689	-1.789763431
TRCN00000 79808	NM_178716. 2-4507s1c1	238799	Tnpo1	1.28022361 1	0.11576857 5	0.10520253 6	3.15551386 4	-1.106292859
TRCN00000 79809	NM_178716. 2-2247s1c1	238799	Tnpo1	0.30010768 3	1.12619138 3	4.30442851 1	-2.54660752	-2.069333774
TRCN00000 79810	NM_178716. 2-1088s1c1	238799	Tnpo1	1.78134297 5	1.27745358 8	1.60257749 1	3.67020792 7	-1.28160675
TRCN00000 79811	NM_178716. 2-2545s1c1	238799	Tnpo1	2.63897046 8	-2.77700567	3.88919412 7	0.45928068 1	-1.121627503
TRCN00000 79812	NM_178716. 2-1688s1c1	238799	Tnpo1	0.16381180 7	1.43979483 8	4.30442851 1	4.17103820 6	-1.799870922
TRCN00000 79823	NM_181328. 2-1395s1c1	214663	Slc25a29	0.67758924 3	1.19156721 9	2.04575242 9	0.25206578 1	-0.576916156
TRCN00000 79824	NM_181328. 2-402s1c1	214663	Slc25a29	0.35168415 4	1.36877840 5	0.56218491 6	0.06780216 2	-0.587612409
TRCN00000 79825	NM_181328. 2-696s1c1	214663	Slc25a29	3.05699890 9	3.06360229 4	3.90241960 7	2.84253081 2	-3.216387906
TRCN00000 79827	NM_181328. 2-995s1c1	214663	Slc25a29	-1.89743642	-1.20293764	2.74575576 1	3.05115752 5	-2.224321837

TRCN00000 80038	NM_011593. 1-120slc1	21857	Timp1	2.71995244 4	5.37051794 7	3.78353119 7	3.40827436 7	-3.820568989
TRCN00000 80039	NM_011593. 1-167slc1	21857	Timp1	1.80551948 9	1.37085999 2	8.91769218 2	0.89278098 3	-3.246713162
TRCN00000 80040	NM_011593. 1-337slc1	21857	Timp1	0.77285808 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.359776247
TRCN00000 80041	NM_011593. 1-470slc1	21857	Timp1	1.51567471 7	1.19156721 9	7.36586496 3	4.31481927 7	-2.839144186
TRCN00000 80042	NM_011593. 1-36slc1	21857	Timp1	0.27729966 6	1.36877840 5	3.83539553 5	3.24472727 6	-2.042900388
TRCN00000 80113	NM_009817. 1-2680slc1	12380	Cast	0.68344365 7	1.65617506 4	3.44280507 2	5.79570023 8	-1.724721647
TRCN00000 80114	NM_009817. 1-1638slc1	12380	Cast	3.40536652 4	1.19156721 9	3.83539553 5	2.79016094 9	-2.805622557
TRCN00000 80115	NM_009817. 1-738slc1	12380	Cast	0.08750536 2	1.36877840 5	3.68508170 8	0.22211226 4	-1.186060622
TRCN00000 80116	NM_009817. 1-2154slc1	12380	Cast	0.38241426 2	1.36877840 5	3.92234374 5	3.40827436 7	-2.079245564
TRCN00000 80117	NM_009817. 1-819slc1	12380	Cast	1.21555737 8	1.78449743 8	0.57972646 5	0.65565287 6	-0.731032101
TRCN00000 80193	NM_025867. 1-1383slc1	66957	Serpib11	1.22239355 4	0.38311730 3	5.74449719 1	3.26801146 4	-2.043308101
TRCN00000 80194	NM_025867. 1-941slc1	66957	Serpib11	2.42831391 8	1.19156721 9	3.87047940 7	4.84927936 1	-3.084909976
TRCN00000 80195	NM_025867. 1-684slc1	66957	Serpib11	1.06130025 8	0.98201903 9	2.28775515 7	4.11322099 6	-1.580423734
TRCN00000 80196	NM_025867. 1-386slc1	66957	Serpib11	2.65888256 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.831282367
TRCN00000 80197	NM_025867. 1-900slc1	66957	Serpib11	1.19116893	3.18199304 9	3.92234374 5	2.97364644 9	-2.221703578
TRCN00000 80198	NM_026323. 1-558slc1	67701	Wfde2	2.85535073 1	1.36877840 5	3.83539553 5	2.27052466 9	-2.582512335
TRCN00000 80199	NM_026323. 1-464slc1	67701	Wfde2	1.60807185 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.56857969
TRCN00000 80200	NM_026323. 1-251slc1	67701	Wfde2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 80201	NM_026323. 1-122slc1	67701	Wfde2	1.05435136 3	1.37085999 2	4.22562879 3	2.12112686 9	-1.665816073
TRCN00000 80202	NM_026323. 1-280slc1	67701	Wfde2	-1.13264299	1.27745358 8	3.88919412 7	3.40827436 7	-2.426891268
TRCN00000 80228	NM_183284. 1-434slc1	69982	Spink2	3.69479198 9	1.36877840 5	1.70143735 6	4.85737193 1	-2.054876242
TRCN00000 80229	NM_183284. 1-242slc1	69982	Spink2	0.19187875 7	1.36877840 5	6.36729382 5	-3.09784689	-2.756449469
TRCN00000 80230	NM_183284. 1-143slc1	69982	Spink2	0.45005361 4	1.36877840 5	3.88919412 7	0.27100669 5	-1.134228056

TRCN00000 80231	NM_183284. 1-253slc1	69982	Spink2	1.67030683 7	1.36877840 5	4.05814689 3	-3.09784689	-2.548769756
TRCN00000 80232	NM_183284. 1-181slc1	69982	Spink2	1.31616053 1	1.36877840 5	3.88919412 7	-2.69600532	-2.317534596
TRCN00000 80278	NM_028623. 2-1845slc1	73720	Cst6	2.01034446 6	3.23060861 9	0.90257195 4	3.52332754 1	-1.965427168
TRCN00000 80279	NM_028623. 2-614slc1	73720	Cst6	2.33125705 4	1.54807117 8	3.88919412 7	3.40827436 7	-2.794199182
TRCN00000 80280	NM_028623. 2-499slc1	73720	Cst6	1.73217558 5	1.36877840 5	3.19214711 7	3.40827436 7	-1.559256076
TRCN00000 80281	NM_028623. 2-617slc1	73720	Cst6	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 80282	NM_028623. 2-454slc1	73720	Cst6	1.04937643 6	3.09742240 7	3.78353119 7	0.87184797 7	-2.200544504
TRCN00000 80303	NM_008871. 1-2609slc1	18787	Serpine1	0.25711730 7	1.02328830 9	9.16209250 4	0.17018598 2	-2.524612372
TRCN00000 80304	NM_008871. 1-452slc1	18787	Serpine1	0.49376957 7	1.19156721 9	3.63590999 4	3.52332754 1	-2.211143583
TRCN00000 80305	NM_008871. 1-1249slc1	18787	Serpine1	0.02951840 1	0.96089254 1	3.95248396 3	7.07803067 7	-3.005231396
TRCN00000 80306	NM_008871. 1-381slc1	18787	Serpine1	0.36564615 4	1.36877840 5	3.73346684 1	3.40827436 7	-2.219041442
TRCN00000 80307	NM_008871. 1-974slc1	18787	Serpine1	0.48708842 4	3.06734700 5	4.05814689 3	0.15285363 6	-1.62138796
TRCN00000 80343	NM_031380. 1-1406slc1	83554	Fstl3	2.71004121 6	1.11050781 4	1.18620488 5	0.92370282 9	-1.020762772
TRCN00000 80344	NM_031380. 1-621slc1	83554	Fstl3	2.29718383 9	1.36877840 5	3.88919412 7	3.24472727 6	-2.699970912
TRCN00000 80347	NM_031380. 1-646slc1	83554	Fstl3	0.30892183 6	1.03376155 7	3.83539553 5	3.40827436 7	-1.992127406
TRCN00000 80413	NM_011454. 1-1661slc1	20708	Serpib6b	2.90704156 6	6.76724814 4	1.04202507 8	7.27767649 3	-0.593861209
TRCN00000 80414	NM_011454. 1-963slc1	20708	Serpib6b	1.52436851 6	5.84806818 1	1.41360752 8	2.00517853 6	-1.228817668
TRCN00000 80415	NM_011454. 1-603slc1	20708	Serpib6b	0.01027523 6	4.19398520 1	5.44994105 5	0.63289415 6	-2.250189216
TRCN00000 80416	NM_011454. 1-499slc1	20708	Serpib6b	3.25491850 9	1.36877840 5	2.19245835 5	2.96454824 4	-0.817716624
TRCN00000 80417	NM_011454. 1-252slc1	20708	Serpib6b	1.22720051 3	1.36877840 5	3.88919412 7	3.40827436 7	-1.859761597
TRCN00000 80418	NM_027548. 1-1323slc1	116872	Serpib7	1.60303076 8	0.82534563 1	0.18767112 3	0.85444330 7	-0.346565492
TRCN00000 80419	NM_027548. 1-702slc1	116872	Serpib7	1.76700786 7	1.27745358 8	3.92234374 5	6.63807457 6	-3.401219944
TRCN00000 80420	NM_027548. 1-585slc1	116872	Serpib7	0.81541232 8	1.27745358 8	3.82041505 1	3.40827436 7	-2.330388834

TRCN00000 80421	NM_027548. 1-318slc1	116872	Serpinb7	1.02650069 4	1.27745358 8	3.78353119 7	0.79661745 5	-0.809466659
TRCN00000 80422	NM_027548. 1-896slc1	116872	Serpinb7	0.50297473	0.32115336 8	7.74126668 7	5.44653949 4	-3.251496205
TRCN00000 80508	NM_011459. 2-1650slc1	20725	Serpinb8	0.08761712 5	0.94135959 7	2.30612263 4	1.69203737 2	-1.21297562
TRCN00000 80509	NM_011459. 2-696slc1	20725	Serpinb8	1.19826210 9	1.36877840 5	3.92234374 5	0.96429937 5	-1.264289854
TRCN00000 80510	NM_011459. 2-963slc1	20725	Serpinb8	1.13688590 7	1.11050781 4	4.63388656 7	0.74381682 6	-0.965922912
TRCN00000 80511	NM_011459. 2-418slc1	20725	Serpinb8	0.09117539 2	1.36877840 5	4.17376445 5	-4.68573227	-2.579862631
TRCN00000 80512	NM_011459. 2-1014slc1	20725	Serpinb8	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048
TRCN00000 80548	NM_012023. 1-528slc1	26931	Ppp2r5c	3.37322941 2	1.36877840 5	3.78353119 7	4.85737193 1	-3.345727736
TRCN00000 80549	NM_012023. 1-1085slc1	26931	Ppp2r5c	0.78107134 1	3.58401446 6	3.83539553 5	0.85819036 2	-1.445037075
TRCN00000 80550	NM_012023. 1-1035slc1	26931	Ppp2r5c	1.79694323	2.20438363 8	7.58063415 4	4.00782051 2	-1.89678195
TRCN00000 80551	NM_012023. 1-1245slc1	26931	Ppp2r5c	0.85086494 2	1.37172929 9	3.97614233 7	2.96454824 4	-2.290821206
TRCN00000 80552	NM_012023. 1-1134slc1	26931	Ppp2r5c	2.41196727 2	-1.20293764	2.69660214 8	1.84393134 1	-1.11689393
TRCN00000 80598	NM_019807. 2-1965slc1	56318	Acpp	0.62806628 3	1.36877840 5	3.68508170 8	7.01996067 2	-3.175471767
TRCN00000 80599	NM_019807. 2-390slc1	56318	Acpp	0.94720518 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.389913374
TRCN00000 80600	NM_019807. 2-748slc1	56318	Acpp	0.64268702 9	1.28399704 4	3.92234374 5	3.40827436 7	-2.314325546
TRCN00000 80601	NM_019807. 2-292slc1	56318	Acpp	2.90366570 3	1.36877840 5	3.97614233 7	7.25404289 3	-3.875657335
TRCN00000 80602	NM_019807. 2-694slc1	56318	Acpp	2.14550769 7	1.36877840 5	3.83539553 5	0.09293911 3	-1.814185631
TRCN00000 80603	NM_023595. 3-762slc1	110074	Dut	0.01940022 3	1.36877840 5	3.88919412 7	2.96454824 4	-2.050780138
TRCN00000 80604	NM_023595. 3-666slc1	110074	Dut	2.13455162 6	1.03376155 7	3.78353119 7	3.57262844 9	-1.563842394
TRCN00000 80606	NM_023595. 3-566slc1	110074	Dut	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 80633	NM_008813. 2-3041slc1	18605	Enpp1	0.92522455 1	1.27745358 8	0.59941659 7	0.86716066 1	-0.483733519
TRCN00000 80634	NM_008813. 2-2440slc1	18605	Enpp1	0.38959973 1	-1.46120823	4.08194125 4	4.86386490 1	-2.504353664
TRCN00000 80635	NM_008813. 2-1444slc1	18605	Enpp1	4.99961343 9	1.36877840 5	3.87047940 7	3.26801146 4	-3.376720679

TRCN00000 80636	NM_008813. 2-1849s1c1	18605	Enpp1	2.85628996 8	2.24206964 9	3.93919504 2	2.91285054 8	-1.559456318
TRCN00000 80637	NM_008813. 2-754s1c1	18605	Enpp1	1.90135429 9	0.96089254 1	4.17376445 5	9.37997511 4	-4.103996602
TRCN00000 80723	NM_019926. 1-2697s1c1	17772	Mtm1	2.79646650 1	1.19156721 9	1.34145470 3	0.97325846 7	0.979903113
TRCN00000 80725	NM_019926. 1-1319s1c1	17772	Mtm1	-0.26152104	4.57362062 3	4.25005373 6	1.23653698 4	0.324645708
TRCN00000 80726	NM_019926. 1-508s1c1	17772	Mtm1	0.01940022 3	1.27745358 8	3.59292338 6	0.15978266 9	-1.252689855
TRCN00000 80727	NM_019926. 1-1281s1c1	17772	Mtm1	0.26707917 6	1.28399704 4	1.81884894 9	4.55463751 6	-1.847601083
TRCN00000 80813	NM_011851. 2-2033s1c1	23959	Nt5e	0.62250169 7	-1.46120823	0.54981898 6	1.02778466 3	-0.090185214
TRCN00000 80815	NM_011851. 2-1497s1c1	23959	Nt5e	0.70361737 9	0.82383833 9	4.15557313 4	3.40827436 7	-1.921017115
TRCN00000 80816	NM_011851. 2-843s1c1	23959	Nt5e	0.14938577 6	1.36988341 4	0.47710914 8	0.99246598 6	-0.012423514
TRCN00000 80817	NM_011851. 2-1020s1c1	23959	Nt5e	2.72844578 7	1.36877840 5	3.97614233 7	-0.6254801	-2.174711657
TRCN00000 80838	XM_284491. 4-1806s1c1	73699	Ppp2r1b	4.72402049 2	0.89650747 2	9.75247583 6	1.49721042 7	-3.769299821
TRCN00000 80840	XM_284491. 4-408s1c1	73699	Ppp2r1b	3.92367617 9	1.36877840 5	3.88919412 7	3.83375501 9	-1.292012843
TRCN00000 80841	XM_284491. 4-1238s1c1	73699	Ppp2r1b	0.98754935 6	3.56063216 5	3.20105297 5	2.65627700 4	0.50707671
TRCN00000 80842	XM_284491. 4-1764s1c1	73699	Ppp2r1b	0.00287425 4	4.59455664 9	1.40260850 1	3.74869429 6	-2.435746298
TRCN00000 80968	NM_177594. 1-2013s1c1	210376	Mtmr9	0.05525729 7	1.36877840 5	3.89744837 6	3.24472727 6	-2.141552839
TRCN00000 80969	NM_177594. 1-657s1c1	210376	Mtmr9	0.2140288	-0.85449665	5.03987572 8	5.35110843 7	-2.757863004
TRCN00000 80970	NM_177594. 1-1555s1c1	210376	Mtmr9	0.10688812	-3.07343175	2.33450120 4	2.35145649 9	-1.913125333
TRCN00000 80971	NM_177594. 1-543s1c1	210376	Mtmr9	2.01028391 9	1.12619138 3	2.21765410 5	8.84726711 8	-2.441522079
TRCN00000 80972	NM_177594. 1-1548s1c1	210376	Mtmr9	0.52919640 1	1.36877840 5	2.70963102 6	0.17521032 5	-0.931105839
TRCN00000 81033	XM_354809. 1-144s1c1	72391	Cdkn3	2.15345143 8	1.36877840 5	3.88919412 7	2.96454824 4	-2.593993054
TRCN00000 81034	XM_354809. 1-188s1c1	72391	Cdkn3	0.26672865 3	-1.46120823	3.88919412 7	-1.92255741	-1.884922105
TRCN00000 81035	XM_354809. 1-357s1c1	72391	Cdkn3	0.01735561 5	0.77027661 2	4.17376445 5	3.40827436 7	-2.092417762
TRCN00000 81036	XM_354809. 1-548s1c1	72391	Cdkn3	4.17598256	0.43680178 2	0.52682761 2	3.05115752 5	0.258699801

TRCN00000 81037	XM_354809. 1-126s1c1	72391	Cdkn3	0.19187875 7	1.36877840 5	3.68508170 8	3.40827436 7	-2.163503309
TRCN00000 81068	XM_358362. 2-6780s1c1	19283	Ptprz1	1.90154056 5	-0.85449665	0.24733228 4	6.20654557 2	-2.302478768
TRCN00000 81069	XM_358362. 2-1849s1c1	19283	Ptprz1	-1.14490716	2.72508736 2	5.05902865 9	1.10907673 2	-1.146981297
TRCN00000 81070	XM_358362. 2-3570s1c1	19283	Ptprz1	2.95306949 8	1.27745358 8	3.73346684 1	3.40827436 7	-2.843066074
TRCN00000 81071	XM_358362. 2-543s1c1	19283	Ptprz1	0.90511300 8	1.14018531 3	4.30902355 5	2.73668674 1	-2.272752154
TRCN00000 81248	NM_080555. 1-984s1c1	67916	Ppap2b	2.13587890 6	1.36877840 5	3.83539553 5	2.96454824 4	-2.576150273
TRCN00000 81249	NM_080555. 1-1201s1c1	67916	Ppap2b	2.56193785 8	1.36877840 5	3.83539553 5	3.40827436 7	-1.512627612
TRCN00000 81313	NM_181320. 2-2692s1c1	70686	Dusp16	-1.35405713	0.43164539 6	3.92234374 5	3.24472727 6	-2.022370689
TRCN00000 81314	NM_181320. 2-540s1c1	70686	Dusp16	0.29611499 8	1.36877840 5	3.59292338 6	2.84253081 2	-1.877029401
TRCN00000 81315	NM_181320. 2-676s1c1	70686	Dusp16	0.23329687 3	-0.24692441	-4.05364444	2.41244569 9	-1.736577856
TRCN00000 81316	NM_181320. 2-539s1c1	70686	Dusp16	0.61506161 1	1.61620012 1	0.53273044 9	1.02778466 3	-0.43405188
TRCN00000 81317	NM_181320. 2-934s1c1	70686	Dusp16	2.25718337 2	1.36877840 5	3.73346684 1	1.40793588 8	-1.063249441
TRCN00000 81743	NM_008241. 1-2660s1c1	15228	Foxg1	0.27039654 7	0.96089254 1	2.22955018 7	3.24472727 6	-1.541193364
TRCN00000 81744	NM_008241. 1-1145s1c1	15228	Foxg1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 81746	NM_008241. 1-1144s1c1	15228	Foxg1	1.37308738 1	1.36877840 5	4.17376445 5	2.62567687 4	-1.698783088
TRCN00000 81747	NM_008241. 1-1509s1c1	15228	Foxg1	0.16069142 2	1.15728414 7	1.57471406 2	0.26569798 2	0.002239872
TRCN00000 81788	NM_007914. 1-935s1c1	13661	Ehf	2.08482399 7	0.16038380 7	4.53913621 9	4.66682909 5	-2.86279328
TRCN00000 81789	NM_007914. 1-992s1c1	13661	Ehf	0.13317811 2	1.19156721 9	4.17376445 5	3.40827436 7	-2.226696038
TRCN00000 81790	NM_007914. 1-515s1c1	13661	Ehf	1.76895138 1	1.11050781 4	4.22562879 3	-3.09784689	-1.666258029
TRCN00000 81792	NM_007914. 1-813s1c1	13661	Ehf	2.88257970 6	1.36877840 5	3.97614233 7	1.13290926 2	-2.340102428
TRCN00000 81908	NM_009530. 1-7511s1c1	22589	Atrx	3.56212686 9	2.81467854 4	0.92504956 4	5.51575664	1.42333947
TRCN00000 81909	NM_009530. 1-509s1c1	22589	Atrx	1.00251219 8	1.19156721 9	7.39752380 7	1.45891416 7	-2.762629348
TRCN00000 81910	NM_009530. 1-7064s1c1	22589	Atrx	1.35352819 9	1.27745358 8	4.27942738 5	4.16191291 1	-2.091316421

TRCN00000 81911	NM_009530. 1-1713s1c1	22589	Atrx	0.31948336 7	5.35490777 4	1.70346731 2	-3.35016989	-2.522265402
TRCN00000 81912	NM_009530. 1-1379s1c1	22589	Atrx	0.50300341 6	3.61330103 9	4.74125513 9	3.66892045 4	-3.131620012
TRCN00000 81923	NM_016791. 2-2134s1c1	18018	Nfatc1	3.75692193 5	1.28399704 4	8.19374601 2	1.02778466 3	-3.051720082
TRCN00000 81924	NM_016791. 2-92s1c1	18018	Nfatc1	2.29740593 5	1.27745358 8	0.13527885 4	3.40827436 7	-1.711963759
TRCN00000 81925	NM_016791. 2-1985s1c1	18018	Nfatc1	2.80719946 8	1.36877840 5	3.95248396 3	5.02091902 2	-1.883745481
TRCN00000 81926	NM_016791. 2-1361s1c1	18018	Nfatc1	1.20745942 5	1.36877840 5	1.24690371 6	3.24472727 6	-1.766967206
TRCN00000 81927	NM_016791. 2-1185s1c1	18018	Nfatc1	0.42983796 6	1.51607912 3	2.23376872 5	4.76812939 8	-2.02203482
TRCN00000 82258	NM_021498. 2-172s1c1	59001	Pole3	0.50133464 2	1.19156721 9	0.61697686 2	4.57719289 9	-1.721767906
TRCN00000 82259	NM_021498. 2-252s1c1	59001	Pole3	0.53452412 9	0.20579595 5	-0.25413761	4.78074302 4	-1.44380018
TRCN00000 82260	NM_021498. 2-183s1c1	59001	Pole3	1.67889842 8	1.27745358 8	3.88919412 7	-3.09784689	-2.485848258
TRCN00000 82261	NM_021498. 2-255s1c1	59001	Pole3	0.92875367 7	0.11405796 8	0.30078722 6	-4.69423902	-1.509459473
TRCN00000 82262	NM_021498. 2-256s1c1	59001	Pole3	1.54444303 7	0.55200825 9	0.55252906 1	6.87407354 1	-2.104759345
TRCN00000 84240	NM_033270. 1-762s1c1	50496	E2f6	0.60439021 6	1.36877840 5	3.88919412 7	3.83375501 9	-2.121834334
TRCN00000 84241	NM_033270. 1-764s1c1	50496	E2f6	0.30892183 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.089331266
TRCN00000 84261	NM_025289. 1-723s1c1	21376	Tbrg1	0.03639032 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.175659305
TRCN00000 84262	NM_025289. 1-863s1c1	21376	Tbrg1	0.09740707 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.119378752
TRCN00000 84298	NM_011532. 1-1598s1c1	21380	Tbx1	0.28348743 9	-1.46120823	2.28450979 4	10.6619289 3	-3.531039879
TRCN00000 84299	NM_011532. 1-530s1c1	21380	Tbx1	1.03286074 7	1.53867507 3	3.88919412 7	3.40827436 7	-2.467251079
TRCN00000 84300	NM_011532. 1-676s1c1	21380	Tbx1	1.86512204 2	1.45278870 3	2.73259715 7	3.83375501 9	-1.538504709
TRCN00000 84301	NM_011532. 1-654s1c1	21380	Tbx1	0.72069388 2	1.27745358 8	3.88919412 7	1.32749224 3	-1.80370846
TRCN00000 84302	NM_011532. 1-1245s1c1	21380	Tbx1	0.09010347 4	1.27745358 8	3.93162742 7	-3.09784689	-2.099257845
TRCN00000 84304	NM_028245. 1-293s1c1	72465	Zfp131	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 84306	NM_028245. 1-1125s1c1	72465	Zfp131	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248

TRCN00000 84379	NM_009554. 1-641s1c1	22696	Zfp37	0.24180442 7	1.27745358 8	3.87047940 7	-3.09784689	-2.000993865
TRCN00000 84381	NM_009554. 1-1035s1c1	22696	Zfp37	1.47490293 5	1.36877840 5	3.83539553 5	3.40827436 7	-2.521837811
TRCN00000 84382	NM_009554. 1-1282s1c1	22696	Zfp37	0.15372800 5	1.36877840 5	3.83539553 5	3.24472727 6	-2.150657305
TRCN00000 84398	NM_007961. 2-1677s1c1	14011	Etv6	1.46332250 5	1.36988341 4	4.03007691 7	-3.99836582	-2.715412164
TRCN00000 84399	NM_007961. 2-1022s1c1	14011	Etv6	0.76143462 8	1.36877840 5	3.92234374 5	3.24472727 6	-2.324321014
TRCN00000 84400	NM_007961. 2-279s1c1	14011	Etv6	0.33073072 3	1.24252749 1	3.85403447 4	2.58946226 5	-0.709457606
TRCN00000 84401	NM_007961. 2-549s1c1	14011	Etv6	0.93494716 4	1.36877840 5	4.79199692 4	3.83375501 9	-2.264895796
TRCN00000 84449	NM_178661. 2-851s1c1	208647	Creb3l2	-0.29756888	1.06714049 9	4.15311694 9	-1.65419104	-1.793004342
TRCN00000 84450	NM_178661. 2-1321s1c1	208647	Creb3l2	-1.13264299	1.45674636 1	2.21716948 5	3.40827436 7	-2.053708301
TRCN00000 84451	NM_178661. 2-850s1c1	208647	Creb3l2	0.20498427 2	0.92469764 8	4.47898417 8	1.59511314 7	-1.698452675
TRCN00000 84452	NM_178661. 2-1839s1c1	208647	Creb3l2	0.89079631 5	1.36877840 5	3.83539553 5	1.69426483 7	-1.501910616
TRCN00000 84578	NM_010751. 1-793s1c1	17119	Mxd1	0.61077221 2	1.93618074 8	3.92234374 5	0.23830353 7	-0.284271812
TRCN00000 84579	NM_010751. 1-222s1c1	17119	Mxd1	1.26976313 8	1.45674636 1	3.21207925 3	4.21070059 8	-2.537322338
TRCN00000 84580	NM_010751. 1-270s1c1	17119	Mxd1	0.23728151 3	-1.21305433	3.67987159 6	2.66855830 2	-0.496771528
TRCN00000 84582	NM_010751. 1-394s1c1	17119	Mxd1	0.65787043 3	1.27745358 8	3.98315664 4	1.51245531 9	-0.77257112
TRCN00000 84649	NM_144515. 1-1626s1c1	22710	Zfp52	0.60106905 5	1.36877840 5	3.92234374 5	3.40827436 7	-2.024581866
TRCN00000 84650	NM_144515. 1-1595s1c1	22710	Zfp52	0.37305510 8	1.36877840 5	3.82041505 1	3.24472727 6	-2.015216406
TRCN00000 84652	NM_144515. 1-1627s1c1	22710	Zfp52	0.30892183 6	1.36877840 5	3.10519890 7	3.40827436 7	-1.893332461
TRCN00000 84908	NM_175480. 3-829s1c1	234725	Zfp612	0.37305510 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.073297948
TRCN00000 84910	NM_175480. 3-1252s1c1	234725	Zfp612	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00000 85023	NM_009567. 2-2681s1c1	22755	Zfp93	0.60439021 6	1.36877840 5	3.97614233 7	3.40827436 7	-2.037201223
TRCN00000 85026	NM_009567. 2-644s1c1	22755	Zfp93	0.01209662 1	1.27745358 8	3.88919412 7	3.40827436 7	-2.146754676
TRCN00000 85059	NM_009329. 2-654s1c1	21408	Zfp354a	-2.39666578	1.27745358 8	3.87047940 7	3.24472727 6	-2.697331513

TRCN00000 85061	NM_009329. 2-954s1c1	21408	Zfp354a	0.04161653 1	1.36877840 5	3.83539553 5	3.24472727 6	-2.101821171
TRCN00000 85062	NM_009329. 2-957s1c1	21408	Zfp354a	2.40728462 7	1.36877840 5	3.88919412 7	3.24472727 6	-2.727496109
TRCN00000 85418	NM_008090. 3-2490s1c1	14461	Gata2	0.01940022 3	1.36877840 5	3.88919412 7	4.16191291 1	-2.350121305
TRCN00000 85419	NM_008090. 3-1382s1c1	14461	Gata2	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 85448	NM_008592. 1-2187s1c1	17300	Foxc1	2.64949446 6	0.98395760 1	3.47234802 5	0.16240824 1	-0.49230485
TRCN00000 85450	NM_008592. 1-831s1c1	17300	Foxc1	1.08284213 3	1.37085999 2	3.88919412 7	-3.09784689	-1.818764719
TRCN00000 85451	NM_008592. 1-2070s1c1	17300	Foxc1	0.26707656 6	1.36877840 5	2.20946751 3	3.40827436 7	-1.813399213
TRCN00000 85468	NM_019426. 2-4390s1c1	54343	Atf7ip	0.35053624 1	3.71414091 7	4.83577783 8	4.23411899 5	-3.108375377
TRCN00000 85469	NM_019426. 2-458s1c1	54343	Atf7ip	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 85470	NM_019426. 2-2626s1c1	54343	Atf7ip	2.11186504 4	1.28399704 4	0.87585497 5	3.67020792 7	-1.985481248
TRCN00000 85471	NM_019426. 2-2932s1c1	54343	Atf7ip	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 85472	NM_019426. 2-1397s1c1	54343	Atf7ip	0.11387190 4	1.36877840 5	3.73346684 1	3.40827436 7	-2.156097879
TRCN00000 85618	NM_177092. 2-219s1c1	320183	Msr3	-3.05757612	-1.25745321	1.56298731 9	1.74804131 8	-1.125020832
TRCN00000 85619	NM_177092. 2-477s1c1	320183	Msr3	0.24237894 5	1.36877840 5	3.88919412 7	3.40827436 7	-2.105966989
TRCN00000 85620	NM_177092. 2-397s1c1	320183	Msr3	0.01940022 3	1.36877840 5	3.88919412 7	3.39002889 5	-2.157150301
TRCN00000 85622	NM_177092. 2-593s1c1	320183	Msr3	0.09010347 4	1.36877840 5	3.88919412 7	2.96454824 4	-2.078156063
TRCN00000 85710	NM_009236. 1-1191s1c1	20672	Sox18	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 85711	NM_009236. 1-1041s1c1	20672	Sox18	0.04161653 1	1.11050781 4	3.88919412 7	3.40827436 7	-2.091589944
TRCN00000 85998	NM_021877. 2-4346s1c1	15460	Hr	-1.36529155	5.84766466 6	5.82128340 6	6.85916304 2	-4.973350666
TRCN00000 85999	NM_021877. 2-4162s1c1	15460	Hr	2.59140712 7	2.83148873 9	0.08275654 6	0.29018002 1	0.008164534
TRCN00000 86000	NM_021877. 2-3085s1c1	15460	Hr	0.37101679 9	1.36877840 5	4.00434830 1	3.40827436 7	-2.102596069
TRCN00000 86001	NM_021877. 2-2314s1c1	15460	Hr	3.01460063 6	1.28501328 4	3.87047940 7	0.29258192 9	-1.326871208
TRCN00000 86038	NM_175009. 2-1651s1c1	223527	Eny2	3.53380217 1	1.36877840 5	3.46486411 1	-1.16102148	-2.382116542

TRCN00000 86039	NM_175009. 2-387s1c1	223527	Eny2	1.45869902 8	0.08398763 8	4.26435585 3	5.98856821 4	-2.906908864
TRCN00000 86040	NM_175009. 2-258s1c1	223527	Eny2	1.18294919 6	1.36877840 5	3.83539553 5	1.44815103 7	-1.234743025
TRCN00000 86041	NM_175009. 2-216s1c1	223527	Eny2	0.28694497 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.215466764
TRCN00000 86083	NM_007855. 1-1024s1c1	13345	Twist2	0.59492501 9	3.00299120 3	3.95248396 3	6.47784742 3	-3.507061902
TRCN00000 86085	NM_007855. 1-256s1c1	13345	Twist2	0.33206588 3	1.36877840 5	3.88919412 7	1.69426483 7	-1.655042872
TRCN00000 86153	NM_144849. 1-1509s1c1	223690	C730048E1 6Rik	1.88483928 6	1.27745358 8	3.97614233 7	3.40827436 7	-2.636677395
TRCN00000 86154	NM_144849. 1-860s1c1	223690	C730048E1 6Rik	0.06454076 8	-1.46120823 7	3.97614233 7	3.40827436 7	-2.227541426
TRCN00000 86164	NM_011448. 2-1231s1c1	20682	Sox9	1.26759290 3	0.98621087 1	3.05388275 5	1.51555030 1	-1.705809208
TRCN00000 86165	NM_011448. 2-944s1c1	20682	Sox9	1.47749408 1	0.76592461 4	6.65658408 9	3.76665093 6	-2.783701123
TRCN00000 86166	NM_011448. 2-1234s1c1	20682	Sox9	0.00096967 3	1.03376155 7	4.29243958 7	3.97618556 7	-2.32535426
TRCN00000 86167	NM_011448. 2-1744s1c1	20682	Sox9	0.07355204 9	1.74227019 9	1.07602998 2	0.33676927 9	-0.063979725
TRCN00000 86178	NM_009366. 1-251s1c1	21807	Tsc22d1	0.32200250 3	0.52395990 5	4.50684601 8	4.21719055 7	-2.231498494
TRCN00000 86179	NM_009366. 1-418s1c1	21807	Tsc22d1	0.11562101 9	1.07082054 8	3.63826679 6	3.67020792 7	-2.065918563
TRCN00000 86180	NM_009366. 1-290s1c1	21807	Tsc22d1	1.42260051 6	1.36877840 5	3.78353119 7	2.43719965 6	-2.253027444
TRCN00000 86181	NM_009366. 1-227s1c1	21807	Tsc22d1	1.41627456 6	1.95144321 2	3.88919412 7	2.96454824 4	-1.847227754
TRCN00000 86182	NM_009366. 1-409s1c1	21807	Tsc22d1	0.09740707 6	1.27745358 8	3.88919412 7	3.67020792 7	-2.184862142
TRCN00000 86223	NM_198960. 1-1562s1c1	332937	Tcfap2e	3.63925074 9	-1.46120823 7	3.83539553 5	3.40827436 7	-1.266406846
TRCN00000 86224	NM_198960. 1-799s1c1	332937	Tcfap2e	1.82129646 3	3.93123516 3	3.83539553 5	3.40827436 7	-3.249050382
TRCN00000 86227	NM_198960. 1-261s1c1	332937	Tcfap2e	0.96435992 5	1.31802372 4	3.59654468 5	1.91943649 2	-0.330861099
TRCN00000 86388	NM_009261. 1-2138s1c1	20744	Strbp	1.06758474 3	5.86850158 1	2.45144841 5	5.26230027 7	-3.662458754
TRCN00000 86389	NM_009261. 1-385s1c1	20744	Strbp	0.59977294 3	0.06997102 7	2.33603796 5	6.30102883 2	-2.291717178
TRCN00000 86390	NM_009261. 1-480s1c1	20744	Strbp	1.53512620 2	0.82534563 1	3.79550750 3	5.42581200 6	-2.895447836
TRCN00000 86392	NM_009261. 1-1041s1c1	20744	Strbp	0.12685571 1	1.36988341 4	1.68417906 8	5.83239462 4	-1.347810815

TRCN00000 86608	XM_283603. 2-4792s1c1	16764	Aff3	- 2.67778553 2	- 1.36877840 5	- 3.78353119 7	0.37035260 9	-1.864935631
TRCN00000 86609	XM_283603. 2-2538s1c1	16764	Aff3	- 2.37519069 2	- 3.74889943 4	- 4.30028121 5	3.71818678 7	-1.661189815
TRCN00000 86610	XM_283603. 2-1461s1c1	16764	Aff3	-1.14587198	2.02016398 3	3.88919412 7	-3.09784689	-1.528187254
TRCN00000 86611	XM_283603. 2-1464s1c1	16764	Aff3	1.47646979 1	1.27745358 8	3.78353119 7	-3.09784689	-1.670590471
TRCN00000 86612	XM_283603. 2-372s1c1	16764	Aff3	- 3.45563263 7	- 1.36103894 4	- 0.12780568 5	4.76933535 7	-2.428453156
TRCN00000 86755	XM_489236. 1-909s1c1	434312	UNK	0.01940022 3	1.36877840 5	3.78353119 7	-3.09784689	-2.057689067
TRCN00000 86781	XM_487608. 1-494s1c1	435633	UNK	0.01940022 3	-1.46120823	3.88919412 7	-3.09784689	-2.107212256
TRCN00000 86909	XM_485626. 1-160s1c1	433903	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 86911	XM_485626. 1-49s1c1	433903	UNK	0.01940022 3	1.54807117 8	3.78353119 7	3.40827436 7	-2.18011913
TRCN00000 87034	XM_488354. 1-169s1c1	436211	UNK	0.09740707 6	1.27745358 8	3.92234374 5	2.96454824 4	-2.016734625
TRCN00000 87083	NM_176848. 1-1078s1c1	230904	Fbxo2	1.99407595 9	2.60219123 2	3.73346684 1	0.81248266 8	-1.879312841
TRCN00000 87084	NM_176848. 1-514s1c1	230904	Fbxo2	-1.63877198	2.31461131 3	2.77444973 1	-4.06706111	-2.698723534
TRCN00000 87085	NM_176848. 1-358s1c1	230904	Fbxo2	2.28594339 2	1.36877840 5	3.83539553 5	-3.09784689	-2.646991056
TRCN00000 87086	NM_176848. 1-513s1c1	230904	Fbxo2	0.49400139 1	2.22328649 7	1.60606634 7	4.15204613 8	-2.118850093
TRCN00000 87087	NM_176848. 1-525s1c1	230904	Fbxo2	0.01818444 1	1.36877840 5	1.47072918 1	-7.31330472	-1.798292376
TRCN00000 87260	XM_487610. 1-621s1c1	435635	UNK	0.03639032 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.175659305
TRCN00000 87309	XM_486135. 1-388s1c1	434331	UNK	0.01940022 3	1.00463840 4	3.83539553 5	3.40827436 7	-2.057227021
TRCN00000 87319	XM_485820. 2-3668s1c1	434082	UNK	0.01940022 3	1.70752493 8	3.92234374 5	3.24472727 6	-2.213798934
TRCN00000 87415	XM_147971. 3-427s1c1	224147	UNK	0.09740707 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.119378752
TRCN00000 87693	XM_485296. 1-219s1c1	433642	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 87829	XM_358002. 2-1351s1c1	385028	UNK	0.6154049	1.27745358 8	3.88919412 7	3.40827436 7	-1.989879296
TRCN00000 87834	NM_134011. 1-1982s1c1	21379	Tbrg4	0.89340574	-5.12405084	4.64858514 2	2.93821542 1	-2.954361416
TRCN00000 87835	NM_134011. 1-1967s1c1	21379	Tbrg4	0.30213848 2	3.93117427 1	0.72720369 8	3.24472727 6	-1.687709083

TRCN00000 87836	NM_134011. 1-1966s1c1	21379	Tbrg4	1.23239669 7	3.97485795 4	0.70750709 9	3.85148543 3	-2.087808246
TRCN00000 87888	NM_133718. 2-3326s1c1	69981	Tmem30a	0.54625814 4	5.38142327 6	2.57397352 2	1.78303677 5	0.119538709
TRCN00000 87889	NM_133718. 2-1157s1c1	69981	Tmem30a	1.11755364 5	2.70283192 5	8.07501236 3	-3.09784689	-1.838118421
TRCN00000 87890	NM_133718. 2-645s1c1	69981	Tmem30a	1.75165692	1.36877840 5	3.73346684 1	3.24472727 6	-1.648828901
TRCN00000 87891	NM_133718. 2-1040s1c1	69981	Tmem30a	3.64065900 5	1.11050781 4	6.23723563 7	2.26613930 8	-2.180565787
TRCN00000 87892	NM_133718. 2-959s1c1	69981	Tmem30a	0.13500830 5	1.11050781 4	3.54896178 4	2.02646110 3	-0.624500048
TRCN00000 87923	NM_172301. 2-1445s1c1	268697	Ccnb1	0.43869171 6	4.41807402 4	0.12289288 9	3.01921938 9	-1.93827306
TRCN00000 87924	NM_172301. 2-861s1c1	268697	Ccnb1	1.25486854 5	0.89152777 5	3.59292338 6	2.48356041 4	-0.813939823
TRCN00000 87925	NM_172301. 2-827s1c1	268697	Ccnb1	4.36698278 6	1.14018531 3	4.79360276 9	-2.74269705	-3.26086698
TRCN00000 87926	NM_172301. 2-214s1c1	268697	Ccnb1	1.19752417 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.465942769
TRCN00000 87927	NM_172301. 2-683s1c1	268697	Ccnb1	1.54576640 8	2.27200797 5	3.73346684 1	2.62567687 4	-1.771346321
TRCN00000 87953	XM_487970. 1-474s1c1	435923	UNK	0.01940022 3	-1.46120823	3.83539553 5	3.40827436 7	-2.171369477
TRCN00000 88053	XM_283394. 2-495s1c1	328752	UNK	1.09043388 5	2.27200797 5	3.54896178 4	1.74804131 8	-1.619644298
TRCN00000 88093	NM_013726. 1-2110s1c1	27214	Dbf4	-1.06722334	0.71281290 3	-4.92793616	3.01919147 3	-2.431790969
TRCN00000 88094	NM_013726. 1-812s1c1	27214	Dbf4	0.51761030 1	1.07082054 8	8.66379768 3	12.4917518 8	-5.685995103
TRCN00000 88096	NM_013726. 1-809s1c1	27214	Dbf4	0.95016518 9	1.47935303 9	8.58297747 4	11.7702646 8	-5.695690096
TRCN00000 88097	NM_013726. 1-1274s1c1	27214	Dbf4	1.79529382 1	0.22853301 9	-4.14212576	1.19286035 7	-1.72543673
TRCN00000 88133	NM_144516. 1-2836s1c1	66505	Zmynd11	1.63834785 5	1.27745358 8	3.83539553 5	3.40827436 7	-2.539867836
TRCN00000 88135	NM_144516. 1-271s1c1	66505	Zmynd11	0.24180442 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.106110618
TRCN00000 88170	NM_011232. 1-371s1c1	19355	Rad1	0.46012543 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.281593084
TRCN00000 88171	NM_011232. 1-872s1c1	19355	Rad1	2.37519069 2	1.36988341 4	3.88919412 7	3.40827436 7	-2.76063565
TRCN00000 88248	NM_030261. 2-1724s1c1	75747	Sesn3	0.37305510 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.073297948
TRCN00000 88251	NM_030261. 2-1351s1c1	75747	Sesn3	0.01940022 3	1.36877840 5	3.92234374 5	3.40827436 7	-2.169999074

TRCN00000 88286	XM_484219. 1-147s1c1	432728	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 88390	XM_485694. 1-10813s1c1	433959	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 88528	NM_022986. 2-886s1c1	65099	Irak1bp1	1.58592173 7	1.61620012 1	3.83539553 5	-3.09784689	-1.740880202
TRCN00000 88532	NM_022986. 2-404s1c1	65099	Irak1bp1	0.17141156 4	1.36877840 5	3.83539553 5	3.40827436 7	-2.110259186
TRCN00000 88558	NM_030704. 1-1373s1c1	80888	Hspb8	1.90638075 9	1.36877840 5	3.83539553 5	3.40827436 7	-2.629707267
TRCN00000 88559	NM_030704. 1-840s1c1	80888	Hspb8	0.83223058 3	1.36988341 4	3.78353119 7	3.24472727 6	-1.891477826
TRCN00000 88560	NM_030704. 1-667s1c1	80888	Hspb8	2.25318190 2	1.36877840 5	3.83539553 5	2.73003321 3	-1.420256313
TRCN00000 88561	NM_030704. 1-781s1c1	80888	Hspb8	0.01940022 3	1.36877840 5	3.83539553 5	1.98575845 3	-1.792633043
TRCN00000 88758	NM_013787. 2-2834s1c1	27401	Skp2	0.74860006 3	1.27745358 8	4.35629284 9	1.02739132 1	-1.852434455
TRCN00000 88759	NM_013787. 2-1201s1c1	27401	Skp2	1.76314561 7	1.19156721 9	8.76030250 6	0.39352363 1	-3.027134743
TRCN00000 88760	NM_013787. 2-1418s1c1	27401	Skp2	0.01044495 1	1.36877840 5	0.94985307 5	1.54400859 5	-0.493344719
TRCN00000 88761	NM_013787. 2-340s1c1	27401	Skp2	0.91023878 6	1.36877840 5	3.73346684 1	2.84253081 2	-2.213753711
TRCN00000 88762	NM_013787. 2-821s1c1	27401	Skp2	0.93722413 2	1.84832826 9	4.36557502 4	1.00358196 2	-0.612722231
TRCN00000 88833	NM_011499. 1-1384s1c1	20901	Strap	2.88776664 6	1.19156721 9	-4.1237001	2.52836256 1	-2.682849132
TRCN00000 88834	NM_011499. 1-458s1c1	20901	Strap	-2.91459396	1.36988341 4	1.31474345 3	1.86200924 5	-1.865307518
TRCN00000 88836	NM_011499. 1-716s1c1	20901	Strap	2.17299213 1	1.27745358 8	3.78353119 7	3.24472727 6	-2.619676048
TRCN00000 88837	NM_011499. 1-719s1c1	20901	Strap	0.43117226 8	1.36877840 5	3.88919412 7	3.40827436 7	-2.274354792
TRCN00000 88868	NM_031161. 1-481s1c1	12424	Cck	0.36823494 6	1.36877840 5	4.00434830 1	3.40827436 7	-2.287409005
TRCN00000 88869	NM_031161. 1-334s1c1	12424	Cck	0.99771173 7	1.36877840 5	1.05790653 9	-3.09784689	-1.630560893
TRCN00000 88870	NM_031161. 1-244s1c1	12424	Cck	1.18870899 4	1.27745358 8	3.88919412 7	2.43719965 6	-2.198139091
TRCN00000 88871	NM_031161. 1-390s1c1	12424	Cck	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 88928	NM_019952. 1-173s1c1	56708	Clef1	0.01940022 3	1.25010773 7	3.88919412 7	3.40827436 7	-2.132044002
TRCN00000 88929	NM_019952. 1-360s1c1	56708	Clef1	-1.42625639	2.10138915 4	2.79158592 4	0.12098816 4	-1.610054908

TRCN00000 88932	NM_019952. 1-295slc1	56708	Clcf1	1.48718756 4	1.12619138 3	3.59292338 6	1.01976212 6	-1.296635052
TRCN00000 88993	XM_486519. 1-413slc1	434655	UNK	0.01940022 3	-1.46120823	4.24057524 9	3.40827436 7	-2.272664406
TRCN00000 89038	NM_008738. 1-395slc1	18188	Nrtn	1.78755776 3	1.36877840 5	3.82041505 1	3.24472727 6	-1.661590742
TRCN00000 89040	NM_008738. 1-757slc1	18188	Nrtn	0.54248330 1	1.19156721 9	3.78353119 7	3.40827436 7	-2.231464021
TRCN00000 89048	NM_009704. 2-947slc1	11839	Areg	0.72069388 2	1.36877840 5	4.05814689 3	3.40827436 7	-2.388973387
TRCN00000 89049	NM_009704. 2-459slc1	11839	Areg	0.49733175 4	0.91777545 7	9.86995351 3	4.71217271 8	-3.750642484
TRCN00000 89050	NM_009704. 2-649slc1	11839	Areg	1.74157304 8	1.19156721 9	-1.60336331	2.39804046 6	-1.733636011
TRCN00000 89051	NM_009704. 2-449slc1	11839	Areg	0.55127835 3	5.26119778 8	0.91064502 6	1.90374128 5	-1.881076437
TRCN00000 89052	NM_009704. 2-859slc1	11839	Areg	0.17178175 2	1.36877840 5	3.88919412 7	3.83375501 9	-2.315877326
TRCN00000 89188	NM_011915. 1-1660slc1	24117	Wif1	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 89190	NM_011915. 1-812slc1	24117	Wif1	2.22858947 3	0.48297646 9	0.66662807 8	1.38709632 9	0.077027851
TRCN00000 89191	NM_011915. 1-246slc1	24117	Wif1	3.20399611 9	1.27745358 8	3.46486411 1	1.82482567 7	-1.530372035
TRCN00000 89198	XM_204001. 4-1380slc1	13638	Efna3	0.15630741 4	0.98395760 1	-7.27831662	5.86193341 9	-3.570128764
TRCN00000 89199	XM_204001. 4-444slc1	13638	Efna3	0.85093760 7	-1.46120823	3.87047940 7	1.36528826 5	-1.461509574
TRCN00000 89200	XM_204001. 4-610slc1	13638	Efna3	0.49773157 2	3.11463803	1.52703728 2	1.09804799	0.546979292
TRCN00000 89201	XM_204001. 4-592slc1	13638	Efna3	0.99765693 5	1.27745358 8	1.00238421 3	2.73003321 3	-1.000689881
TRCN00000 89202	XM_204001. 4-381slc1	13638	Efna3	1.79811567 8	1.36877840 5	3.83539553 5	3.40827436 7	-2.602640996
TRCN00000 89338	NM_139299. 1-2719slc1	218624	Il31ra	0.02097210 8	1.36877840 5	1.12959474 6	2.61937342 9	-0.709396245
TRCN00000 89339	NM_139299. 1-976slc1	218624	Il31ra	2.39525638 6	1.88916825 4	3.92234374 5	2.12112686 9	-1.637389687
TRCN00000 89340	NM_139299. 1-1606slc1	218624	Il31ra	0.33174100 2	1.37220937 2	3.50630025 6	8.16912963 6	-2.658740381
TRCN00000 89341	NM_139299. 1-1605slc1	218624	Il31ra	-0.97025684	1.44105154 2	3.82041505 1	8.20797661 5	-2.889399241
TRCN00000 89342	NM_139299. 1-2193slc1	218624	Il31ra	0.45252921 9	0.82534563 1	4.42423496 4	3.85148543 3	-2.388398812
TRCN00000 89578	NM_017379. 1-930slc1	53857	Tuba8	1.81363297 6	1.19156721 9	3.88919412 7	3.40827436 7	-2.575667172

TRCN00000 89580	NM_017379. 1-1237s1c1	53857	Tuba8	0.41514298 6	0.89394129 2	1.08218552 9	0.26231623 5	-0.122303746
TRCN00000 89581	NM_017379. 1-1072s1c1	53857	Tuba8	3.36542105 3	4.36845285 8	3.38539981 5	2.96454824 4	-1.336729064
TRCN00000 89633	NM_144848. 2-21455s1c1	223650	Eppk1	1.04261857 5	0.43482833 3	3.29830896 9	3.10509504 2	-1.752798563
TRCN00000 89634	NM_144848. 2-7631s1c1	223650	Eppk1	0.08254028	5.14543681 6	4.31373325 4	1.65717646 5	0.642855077
TRCN00000 89635	NM_144848. 2-2596s1c1	223650	Eppk1	0.46211876 3	0.87575352 2	7.20140635 5	7.21336203 8	-3.93816017
TRCN00000 89636	NM_144848. 2-1560s1c1	223650	Eppk1	0.11156680 7	1.70409651 6	1.54042891 8	7.50084827 1	-1.806403467
TRCN00000 89637	NM_144848. 2-6018s1c1	223650	Eppk1	1.92954319 6	1.36877840 5	3.92234374 5	3.59616935 6	-2.704208676
TRCN00000 89693	NM_172612. 1-1838s1c1	223881	Rnd1	0.03639032 2	1.37848624 5	3.83539553 5	3.40827436 7	-2.164636617
TRCN00000 89695	NM_172612. 1-758s1c1	223881	Rnd1	0.31020463 5	1.28743035 8	2.42011233 9	0.38958049 7	-0.458116778
TRCN00000 89818	NM_027998. 2-1544s1c1	71908	Cldn23	0.46354747 6	1.27745358 8	3.88919412 7	2.84253081 2	-2.118181501
TRCN00000 89822	NM_027998. 2-610s1c1	71908	Cldn23	0.40159202 2	1.36877840 5	8.28900716 5	3.24472727 6	-3.125230206
TRCN00000 89875	XM_484840. 1-181s1c1	433277	UNK	0.01940022 3	1.19156721 9	3.83539553 5	3.24472727 6	-2.063072452
TRCN00000 89968	NM_016674. 2-2752s1c1	12737	Cldn1	-2.3543794	2.21193578 2	3.68508170 8	-0.78496598	-2.259090718
TRCN00000 89969	NM_016674. 2-394s1c1	12737	Cldn1	0.39670780 3	1.36877840 5	3.73346684 1	3.40827436 7	-2.226806854
TRCN00000 89970	NM_016674. 2-298s1c1	12737	Cldn1	0.89160853 7	1.27745358 8	3.71140983 1	1.25268076 6	-1.337483912
TRCN00000 89971	NM_016674. 2-494s1c1	12737	Cldn1	1.08051905 1	2.94647551 1	3.87047940 7	3.26801146 4	-2.791371358
TRCN00000 89972	NM_016674. 2-420s1c1	12737	Cldn1	2.28114374 4	1.36877840 5	3.55181232 1	0.56431739 2	-0.800941094
TRCN00000 89995	NM_146243. 1-691s1c1	66713	Actr2	-6.10436824	4.91950944 1	2.69555613	3.24472727 6	-2.893262207
TRCN00000 89996	NM_146243. 1-690s1c1	66713	Actr2	-6.1682779	-4.56943162	2.58732222 5	-3.09784689	-2.812058546
TRCN00000 90162	XM_488371. 1-99s1c1	436224	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 90168	NM_172840. 2-3186s1c1	240675	Vwa2	2.24981356 7	1.27745358 8	3.67987159 6	-1.80390019	-2.252759735
TRCN00000 90169	NM_172840. 2-1099s1c1	240675	Vwa2	1.52932213 7	1.27745358 8	1.49118747 8	3.54917381 3	-1.216190515
TRCN00000 90170	NM_172840. 2-2506s1c1	240675	Vwa2	1.76201213 1	0.41821109 6	-3.94548223	1.26934126 9	-1.004985499

TRCN00000 90171	NM_172840. 2-1323s1c1	240675	Vwa2	1.07840333 9	-1.46120823	3.92234374 5	3.40827436 7	-2.46755742
TRCN00000 90172	NM_172840. 2-1848s1c1	240675	Vwa2	1.68397655 5	1.36877840 5	3.73346684 1	3.24472727 6	-2.507737269
TRCN00000 90178	NM_134156. 1-3071s1c1	109711	Actn1	1.30153705 7	1.36877840 5	3.88919412 7	3.24472727 6	-2.451059216
TRCN00000 90181	NM_134156. 1-788s1c1	109711	Actn1	0.17141156 4	-1.46120823	3.88919412 7	3.40827436 7	-2.14681629
TRCN00000 90328	NM_026473. 2-1375s1c1	67951	Tubb6	2.06232742 6	1.27745358 8	0.23608948 1	2.96454824 4	-1.517059944
TRCN00000 90329	NM_026473. 2-170s1c1	67951	Tubb6	0.38182272 2	1.36988341 4	-4.14212576	1.06194884 9	-1.207970762
TRCN00000 90331	NM_026473. 2-177s1c1	67951	Tubb6	1.09899659 2	1.36877840 5	4.29243958 7	6.91004682 3	-2.868067056
TRCN00000 90334	NM_011123. 1-346s1c1	18823	Plp1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 90337	NM_011123. 1-530s1c1	18823	Plp1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 90504	NM_007742. 2-3676s1c1	12842	Coll1a1	1.47918887 5	2.82119485 8	3.72521500 6	0.34936372	0.231133112
TRCN00000 90505	NM_007742. 2-2551s1c1	12842	Coll1a1	0.44212850 4	3.61055185 6	0.45425810 7	3.68974635 8	-2.049171206
TRCN00000 90506	NM_007742. 2-236s1c1	12842	Coll1a1	3.83414053 7	1.27745358 8	3.92234374 5	3.40827436 7	-3.110553059
TRCN00000 90507	NM_007742. 2-530s1c1	12842	Coll1a1	0.96008616 9	1.36877840 5	2.24409952 2	3.40827436 7	-1.515266531
TRCN00000 90543	NM_134471. 2-2314s1c1	73804	Kif2c	0.01940022 3	1.19156721 9	3.83539553 5	2.96454824 4	-1.993027694
TRCN00000 90544	NM_134471. 2-1244s1c1	73804	Kif2c	2.45872898 6	1.70752493 8	2.62030477 4	-3.68335201	-2.617477677
TRCN00000 90545	NM_134471. 2-1771s1c1	73804	Kif2c	1.14535747 9	-2.15772104	4.83101530 6	-2.77693715	-2.727757744
TRCN00000 90546	NM_134471. 2-759s1c1	73804	Kif2c	0.46874343 9	1.19156721 9	3.88919412 7	3.40827436 7	-2.239444788
TRCN00000 90547	NM_134471. 2-160s1c1	73804	Kif2c	1.09170162 9	1.36877840 5	3.78353119 7	0.03491453 6	-1.569731442
TRCN00000 90563	NM_016799. 1-2768s1c1	51796	Srrm1	0.09740707 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.119378752
TRCN00000 90567	NM_016799. 1-736s1c1	51796	Srrm1	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 90583	NM_053185. 1-5687s1c1	94216	Col4a6	0.06885066 6	0.45239374 5	6.03819854 6	5.06293835 3	-2.679398455
TRCN00000 90584	NM_053185. 1-4823s1c1	94216	Col4a6	0.09796290 1	-1.47044006	3.45824766 3	2.35145649 9	-1.79554533
TRCN00000 90585	NM_053185. 1-2154s1c1	94216	Col4a6	3.05665894 9	1.11050781 4	1.13773038 1	1.98575845 3	-1.253798709

TRCN00000 90586	NM_053185. 1-3891s1c1	94216	Col4a6	1.61738552 7	1.12619138 3	3.68508170 8	0.21037883 2	-1.554569947
TRCN00000 90587	NM_053185. 1-2967s1c1	94216	Col4a6	2.66700939 6	1.27745358 8	3.90241960 7	0.75713037 2	-2.151003241
TRCN00000 90642	XM_485326. 1-620s1c1	433670	UNK	0.01940022 3	1.11050781 4	3.88919412 7	3.40827436 7	-2.097144021
TRCN00000 90653	NM_053252. 1-5549s1c1	114601	G430002G2 3Rik	0.49061733 9	1.19156721 9	8.12171559 5	3.99430322 7	-3.204242176
TRCN00000 90654	NM_053252. 1-2243s1c1	114601	G430002G2 3Rik	0.33001096 8	1.11050781 4	0.67699607 7	4.82883621 8	-1.736587769
TRCN00000 90655	NM_053252. 1-4012s1c1	114601	G430002G2 3Rik	0.22699602 5	1.27745358 8	3.87047940 7	-3.09784689	-2.118193978
TRCN00000 90656	NM_053252. 1-2239s1c1	114601	G430002G2 3Rik	0.71168652 3	1.19156721 9	0.80965154 6	3.76682810 3	-1.264090086
TRCN00000 90657	NM_053252. 1-1277s1c1	114601	G430002G2 3Rik	0.46846799 9	1.36877840 5	-1.03372058	1.79076891 6	-1.165433975
TRCN00000 90673	XM_126660. 1-1605s1c1	75706	2310058N1 8Rik	3.13349812 4	1.36877840 5	3.83539553 5	3.24472727 6	-1.328850773
TRCN00000 90674	XM_126660. 1-1121s1c1	75706	2310058N1 8Rik	2.75362986 5	1.36877840 5	4.00434830 1	3.24472727 6	-2.842870962
TRCN00000 90675	XM_126660. 1-509s1c1	75706	2310058N1 8Rik	0.39183326 8	0.33935423 6	4.86563200 6	3.85148543 3	-2.166159602
TRCN00000 90676	XM_126660. 1-625s1c1	75706	2310058N1 8Rik	1.14389105 8	1.11050781 4	-4.48060269	-2.44250573	-2.294376823
TRCN00000 90677	XM_126660. 1-1564s1c1	75706	2310058N1 8Rik	0.75577891 9	1.36877840 5	1.40330424 3	0.96774879 7	0.061623929
TRCN00000 90743	NM_153103. 1-656s1c1	16562	Kif1c	1.55641169 2	0.55024032	1.21765884 9	-6.78913813	-1.644412663
TRCN00000 90744	NM_153103. 1-655s1c1	16562	Kif1c	0.20549647 9	0.97357915 5	0.13066824 1	6.11988371 7	-1.857406898
TRCN00000 90745	NM_153103. 1-2251s1c1	16562	Kif1c	1.34355996 9	1.36877840 5	4.00525930 7	4.19103194 7	-2.055377423
TRCN00000 90746	NM_153103. 1-430s1c1	16562	Kif1c	0.22201118 4	-1.20293764	3.91550652 8	4.57525559 1	-2.478927736
TRCN00000 90747	NM_153103. 1-1522s1c1	16562	Kif1c	0.46341590 3	0.34282960 6	3.59292338 6	0.25802925 4	-0.761176783
TRCN00000 90753	XM_204283. 3-1081s1c1	72333	Palld	0.17141156 4	1.36877840 5	3.97614233 7	3.24472727 6	-2.104559114
TRCN00000 90754	XM_204283. 3-1738s1c1	72333	Palld	2.65004949 8	1.36877840 5	3.88919412 7	3.24472727 6	-1.463162578
TRCN00000 90757	XM_204283. 3-748s1c1	72333	Palld	0.04161653 1	1.27745358 8	3.83539553 5	3.83375501 9	-2.226246903
TRCN00000 90785	XM_488367. 1-413s1c1	436221	UNK	0.39726460 7	1.07082054 8	3.87047940 7	3.24472727 6	-1.947190656
TRCN00000 90903	NM_011902. 1-807s1c1	24084	Tekt2	2.25351576 5	3.61235571 3	-1.14354153	0.49132230 8	0.176655182

TRCN00000 90904	NM_011902. 1-249s1c1	24084	Tekt2	0.58950157 7	1.54807117 8	3.83539553 5	2.62567687 4	-2.149661291
TRCN00000 90905	NM_011902. 1-1028s1c1	24084	Tekt2	3.08267233 5	1.27745358 8	0.05606233	0.21037883 2	-1.02342119
TRCN00000 90906	NM_011902. 1-248s1c1	24084	Tekt2	0.28820391 8	1.45674636 1	-4.48060269	3.05115752 5	-2.319177624
TRCN00000 90907	NM_011902. 1-1112s1c1	24084	Tekt2	0.79460465 9	1.19156721 9	3.87047940 7	3.24472727 6	-1.878042311
TRCN00000 91048	XM_144905. 5-3180s1c1	243548	Prickle2	2.00331213 4	0.76214251 9	7.76552844 2	3.86913489 3	-3.600029497
TRCN00000 91049	XM_144905. 5-3038s1c1	243548	Prickle2	3.36475339 6	1.36877840 5	0.02486103 5	0.11577976 5	-1.160653268
TRCN00000 91050	XM_144905. 5-1952s1c1	243548	Prickle2	0.04271761 7	0.61288794 3	2.36591246 4	0.62717533 2	0.598585673
TRCN00000 91051	XM_144905. 5-1464s1c1	243548	Prickle2	3.67512795 2	2.86193689 2	-0.67519706	1.98575845 3	-0.868536643
TRCN00000 91052	XM_144905. 5-855s1c1	243548	Prickle2	1.88949739 7	1.36988341 4	3.87047940 7	3.67020792 7	-2.700017036
TRCN00000 91108	NM_133752. 1-3114s1c1	74143	Opal	0.19995067 2	3.12466603 9	1.67690706 2	0.69465296 7	1.076717702
TRCN00000 91109	NM_133752. 1-1432s1c1	74143	Opal	0.11792028 8	0.05372237 5	-0.47862736	0.90030106 5	0.089368948
TRCN00000 91110	NM_133752. 1-606s1c1	74143	Opal	1.50555491 7	2.54523293 6	4.34996584 3	5.22620707 8	-2.134123726
TRCN00000 91111	NM_133752. 1-1433s1c1	74143	Opal	0.23508589 8	1.19156721 9	-3.18167849	3.26801146 4	-1.851542819
TRCN00000 91139	XM_138682. 3-178s1c1	212252	UNK	0.60658679	4.98727355 3	3.82041505 1	0.61315873 5	-2.203565137
TRCN00000 91148	NM_145588. 1-1060s1c1	110033	Kif22	-1.7379132	4.63846746 8	3.82647785 5	3.26801146 4	-1.048483763
TRCN00000 91149	NM_145588. 1-1157s1c1	110033	Kif22	0.28893717 8	0.96089254 1	4.08194125 4	2.94041719 1	-1.923578452
TRCN00000 91150	NM_145588. 1-1285s1c1	110033	Kif22	0.32139082 7	4.79873802 9	6.96128419 9	0.18343953 1	-2.905517733
TRCN00000 91152	NM_145588. 1-257s1c1	110033	Kif22	1.17860440 1	2.90155989 1	3.88162896 8	1.63305564 5	0.457897742
TRCN00000 91246	NM_033374. 1-1020s1c1	94176	Dock2	0.43756396	-0.85449665	3.59292338 6	2.73003321 3	-1.684972322
TRCN00000 91247	NM_033374. 1-2001s1c1	94176	Dock2	0.30892183 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.089331266
TRCN00000 91288	NM_011699. 2-2279s1c1	22343	Lin7c	0.03808252 1	1.06967046 5	3.97514232 6	3.93145122 1	-2.234545373
TRCN00000 91289	NM_011699. 2-367s1c1	22343	Lin7c	2.20588647 7	1.36877840 5	3.78353119 7	1.20628731 2	-2.141120848
TRCN00000 91290	NM_011699. 2-494s1c1	22343	Lin7c	0.69649205 9	1.11050781 4	4.08194125 4	3.37931541 8	-2.317064136

TRCN00000 91291	NM_011699. 2-224s1c1	22343	Lin7c	-1.00600401	1.11050781 4	3.88919412 7	2.62567687 4	-2.157845706
TRCN00000 91373	XM_127565. 6-5422s1c1	286940	Flnb	0.72018779 5	2.61617580 2	3.46486411 1	1.97344946 7	0.461237238
TRCN00000 91374	XM_127565. 6-801s1c1	286940	Flnb	1.41111319 8	1.36877840 5	2.66679988 8	2.96454824 4	-2.102809934
TRCN00000 91375	XM_127565. 6-2158s1c1	286940	Flnb	0.23049138 2	0.40498763 2	1.39433890 7	5.76605365 7	-1.948967895
TRCN00000 91376	XM_127565. 6-4731s1c1	286940	Flnb	2.21772634 1	5.18055689 7	3.73346684 1	2.70403636	-2.10692843
TRCN00000 91377	XM_127565. 6-1965s1c1	286940	Flnb	0.15260522 3	2.08697558 7	4.41009144 1	-6.13194681	-3.119102154
TRCN00000 91483	NM_009930. 1-4568s1c1	12825	Col3a1	-1.10681641	1.36877840 5	3.88919412 7	3.52332754 1	-2.472029121
TRCN00000 91485	NM_009930. 1-179s1c1	12825	Col3a1	0.31800194 2	1.27745358 8	0.61414770 1	3.40827436 7	-1.245468429
TRCN00000 91486	NM_009930. 1-3906s1c1	12825	Col3a1	3.43738907 9	1.36877840 5	3.83539553 5	-3.09784689	-2.934852477
TRCN00000 91487	NM_009930. 1-3808s1c1	12825	Col3a1	0.18691561 9	2.48819443 6	0.52634654 8	2.03238372 4	0.029094946
TRCN00000 91495	NM_026220. 2-423s1c1	67532	Mfap1	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 91496	NM_026220. 2-1291s1c1	67532	Mfap1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 91533	NM_009933. 1-3348s1c1	12833	Col6a1	1.82951094 5	2.66486299 4	5.46831336 3	2.96454824 4	-3.231808887
TRCN00000 91534	NM_009933. 1-2277s1c1	12833	Col6a1	2.73273060 9	1.05332236 6	3.95844439 5	3.40827436 7	-2.788192934
TRCN00000 91535	NM_009933. 1-1173s1c1	12833	Col6a1	0.37689726 8	1.36877840 5	4.13573984 7	3.40827436 7	-2.322422472
TRCN00000 91536	NM_009933. 1-3125s1c1	12833	Col6a1	1.21694854 5	0.39408190 3	3.03229633 1	7.07511348 3	-2.321135793
TRCN00000 91537	NM_009933. 1-825s1c1	12833	Col6a1	0.41873999 4	3.67365533 6	3.95248396 3	3.40827436 7	-1.026460747
TRCN00000 91603	NM_199473. 1-3983s1c1	329941	Col8a2	0.77786867 2	0.51556928 8	0.28667936 9	2.78815222 5	-1.092067389
TRCN00000 91604	NM_199473. 1-687s1c1	329941	Col8a2	-2.27100341	1.36877840 5	2.79169758 1	2.84253081 2	-2.318502552
TRCN00000 91605	NM_199473. 1-2251s1c1	329941	Col8a2	1.38191701 1	0.89152777 5	0.99531201	0.21179778 3	-0.37248264
TRCN00000 91606	NM_199473. 1-1516s1c1	329941	Col8a2	0.26899908 4	3.07974829 8	0.88886759 6	0.06688791 9	-0.631691926
TRCN00000 91663	NM_007392. 2-1362s1c1	11475	Acta2	1.32412821 4	1.45674636 1	3.97614233 7	3.40827436 7	-2.54132282
TRCN00000 91664	NM_007392. 2-894s1c1	11475	Acta2	1.15801535 2	0.57405385 6	3.88919412 7	1.98575845 3	-1.901755447

TRCN00000 91665	NM_007392. 2-269slc1	11475	Acta2	1.02997564 1	-1.46120823	3.88919412 7	0.41511133 5	-1.183884513
TRCN00000 91666	NM_007392. 2-338slc1	11475	Acta2	0.30478966 3	6.48349563 4	-8.63125959	4.21751604 5	-4.756870402
TRCN00000 91667	NM_007392. 2-196slc1	11475	Acta2	1.02902744 2	1.11050781 4	3.88919412 7	3.67020792 7	-1.910220607
TRCN00000 91773	NM_010615. 1-3777slc1	16551	Kif11	4.08396745 8	1.19156721 9	1.07369438 6	2.62567687 4	-2.243726484
TRCN00000 91774	NM_010615. 1-324slc1	16551	Kif11	2.54274862 1	5.55003824 9	2.02961274 4	2.84253081 2	-3.241232607
TRCN00000 91775	NM_010615. 1-2767slc1	16551	Kif11	0.10941501 5	6.90514899 1	1.77004152 9	7.73185153 7	-4.129114268
TRCN00000 91776	NM_010615. 1-865slc1	16551	Kif11	2.22568491 4	0.54007027 2	4.36713501 9	-3.99854518	-0.599291337
TRCN00000 91777	NM_010615. 1-2508slc1	16551	Kif11	0.11387190 4	1.71063373 3	1.80931360 9	5.78591843 9	-2.354934421
TRCN00000 91803	NM_007735. 1-5654slc1	12829	Col4a4	0.77844220 1	-1.46120823	1.24683813 5	3.40827436 7	-1.723690733
TRCN00000 91804	NM_007735. 1-1056slc1	12829	Col4a4	4.64967155 9	4.75796382 4	8.58497097 1	7.99070340 2	-4.116845527
TRCN00000 91805	NM_007735. 1-1053slc1	12829	Col4a4	0.03639032 2	4.71721565 3	8.58271180 9	8.64077482 9	-3.135665327
TRCN00000 91806	NM_007735. 1-1792slc1	12829	Col4a4	1.08409810 3	5.33507591 5	6.87543143 3	1.85219080 1	-2.860603663
TRCN00000 91807	NM_007735. 1-2605slc1	12829	Col4a4	2.40728462 7	2.15998914 6	3.85403447 4	0.64526107 5	-0.86401722
TRCN00000 91854	XM_484897. 2-423slc1	12835	Col6a3	1.05855731 5	0.02712098 6	3.57849882 6	10.4086640 1	-1.965400378
TRCN00000 91855	XM_484897. 2-5182slc1	12835	Col6a3	1.1945868	1.89033887 3	3.92234374 5	3.83375501 9	-2.112962709
TRCN00000 91856	XM_484897. 2-9468slc1	12835	Col6a3	4.38520673 1	1.11050781 4	1.50060885 4	-6.64505871	-3.410345527
TRCN00000 91857	XM_484897. 2-303slc1	12835	Col6a3	2.23942382 4	3.65308549 7	-4.1562627	2.93246132 7	-3.245308337
TRCN00000 92215	XM_485580. 2-143slc1	433861	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 92368	XM_127569. 6-441slc1	218779	UNK	0.01940022 3	1.19156721 9	3.92234374 5	3.40827436 7	-2.125696277
TRCN00000 92562	XM_489354. 1-141slc1	434815	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 92583	XM_110701. 2-948slc1	194597	Tmprss11a	3.66526095 7	2.94647551 1	1.21149030 7	0.18190293	-1.910330961
TRCN00000 92584	XM_110701. 2-255slc1	194597	Tmprss11a	0.41413841 7	1.19275731 9	4.68945004 6	3.71818678 7	-2.503633142
TRCN00000 92585	XM_110701. 2-847slc1	194597	Tmprss11a	0.08104579 4	1.36877840 5	1.32774461 7	3.14676097 2	0.092298039

TRCN00000 92586	XM_110701. 2-495s1c1	194597	Tmprss11a	0.50807522 3	0.76206682 4	-4.1138207	6.51494025 9	-2.72068814
TRCN00000 92587	XM_110701. 2-971s1c1	194597	Tmprss11a	1.33310634 5	1.36877840 5	0.01361393 1	3.24472727 6	-1.490056489
TRCN00000 92698	NM_178208. 1-70s1c1	319155	Hist1h4c	1.55077320 7	1.36877840 5	1.75900649 9	1.19701854	-0.870384893
TRCN00000 92699	NM_178208. 1-57s1c1	319155	Hist1h4c	0.09010347 4	1.36877840 5	3.97614233 7	3.40827436 7	-2.210824646
TRCN00000 92701	NM_178208. 1-69s1c1	319155	Hist1h4c	1.51253111 3	1.19156721 9	1.86151489 7	1.79179633 4	-0.693454224
TRCN00000 92702	NM_178208. 1-56s1c1	319155	Hist1h4c	0.09010347 4	1.36877840 5	3.88919412 7	3.83375501 9	-2.295457756
TRCN00000 92708	XM_357228. 2-93s1c1	383761	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 92983	NM_178214. 2-205s1c1	319190	Hist2h2be	0.79951835 5	1.03376155 7	2.59116660 5	3.52332754 1	-1.986943515
TRCN00000 92984	NM_178214. 2-300s1c1	319190	Hist2h2be	0.49959551 9	1.36877840 5	3.92234374 5	0.55189570 6	-1.585653344
TRCN00000 92985	NM_178214. 2-253s1c1	319190	Hist2h2be	0.05369219 3	1.36877840 5	4.05814689 3	3.83375501 9	-2.328593128
TRCN00000 92987	NM_178214. 2-293s1c1	319190	Hist2h2be	1.16858518 9	1.52282507 7	0.79537849 5	1.64838363 7	-0.886103852
TRCN00000 93043	NM_016750. 1-496s1c1	51788	H2afz	0.52355129 2	1.33750415 4	2.25132627 2	5.23023062 2	-1.405125362
TRCN00000 93044	NM_016750. 1-188s1c1	51788	H2afz	0.12692142 4	2.77235139 5	5.23767238 8	6.54669906 6	-3.670911068
TRCN00000 93046	NM_016750. 1-452s1c1	51788	H2afz	0.01940022 3	1.36988341 4	3.88919412 7	3.24472727 6	-2.121101149
TRCN00000 93047	NM_016750. 1-198s1c1	51788	H2afz	0.4063484	1.27745358 8	3.88919412 7	3.40827436 7	-2.042143421
TRCN00000 93114	XM_484228. 1-441s1c1	432734	UNK	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 93123	NM_007681. 1-934s1c1	12615	Cenpa	4.33959041 5	5.15742526 5	1.22476632 1	0.41511133 5	-2.171840174
TRCN00000 93124	NM_007681. 1-312s1c1	12615	Cenpa	1.95061047 5	4.52253858 2	3.59324846 6	2.43719965 6	-0.864630004
TRCN00000 93125	NM_007681. 1-484s1c1	12615	Cenpa	1.85801053 1	1.36877840 5	0.19789711 6	3.40827436 7	-1.609291547
TRCN00000 93126	NM_007681. 1-233s1c1	12615	Cenpa	3.50759677 2	0.09818638 3	3.87047940 7	3.40827436 7	-2.672041041
TRCN00000 93127	NM_007681. 1-226s1c1	12615	Cenpa	0.01940022 3	-1.85109597	3.83539553 5	3.24472727 6	-2.22795464
TRCN00000 93359	NM_025664. 2-860s1c1	66616	Snx9	1.14757177	1.36877840 5	-2.11951105	1.42196230 3	-0.940669997
TRCN00000 93360	NM_025664. 2-996s1c1	66616	Snx9	1.87612253 1	1.27745358 8	2.14586052 4	0.72982167 9	-0.434384319

TRCN00000 93361	NM_025664. 2-312s1c1	66616	Snx9	3.10489726 7	1.36877840 5	3.88919412 7	3.96936755 4	-1.530610705
TRCN00000 93362	NM_025664. 2-1008s1c1	66616	Snx9	3.18261418 2	5.56890866 2	7.90404332 4	3.96936755 4	-5.156233431
TRCN00000 93363	NM_025664. 2-1317s1c1	66616	Snx9	0.14139963 8	5.12517256 1	1.58914305 6	8.46910322 3	-3.83120462
TRCN00000 93444	NM_016807. 1-1545s1c1	53378	Sdcbp	0.12939761 4	2.03472459 6	5.70780122 9	4.27846034 5	-3.037595946
TRCN00000 93445	NM_016807. 1-879s1c1	53378	Sdcbp	3.00776784 8	0.22502942 3	-9.30023857	7.21412198 7	-4.824274746
TRCN00000 93446	NM_016807. 1-181s1c1	53378	Sdcbp	0.37551302 5	1.11050781 4	5.58671399 2	2.89993286 5	-2.305410412
TRCN00000 93447	NM_016807. 1-668s1c1	53378	Sdcbp	0.22412086 8	1.27745358 8	3.83539553 5	1.36528826 5	-1.675564564
TRCN00000 93448	NM_016807. 1-142s1c1	53378	Sdcbp	1.89133097 1	1.36877840 5	5.22228785 4	6.45144502 6	-3.733460564
TRCN00000 93474	NM_020578. 1-3247s1c1	57440	Ehd3	0.39908933 6	2.31461131 3	-2.69270798	0.67631060 6	-1.520679809
TRCN00000 93475	NM_020578. 1-1952s1c1	57440	Ehd3	0.88421384 9	1.27745358 8	7.55586170 6	5.27509412 7	-3.748155818
TRCN00000 93476	NM_020578. 1-1837s1c1	57440	Ehd3	0.72351445 6	1.27745358 8	3.83539553 5	3.24472727 6	-1.908515486
TRCN00000 93478	NM_020578. 1-1705s1c1	57440	Ehd3	0.34568846 7	-5.54819983	2.45936187 4	5.65771274 7	-3.329896496
TRCN00000 93704	NM_024222. 2-3126s1c1	68292	Stt3b	2.88098876 3	1.36877840 5	4.03007691 7	5.31291605 8	-3.398190036
TRCN00000 93705	NM_024222. 2-889s1c1	68292	Stt3b	1.59738770 7	1.36877840 5	4.08194125 4	0.29018002 1	-1.035877993
TRCN00000 93706	NM_024222. 2-1896s1c1	68292	Stt3b	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 93707	NM_024222. 2-804s1c1	68292	Stt3b	0.69743142 2	1.05103345 1	3.82041505 1	1.54400859 5	-0.903989693
TRCN00000 93708	NM_024222. 2-2574s1c1	68292	Stt3b	0.56037731 6	1.19156721 9	5.97835071 4	1.23062616 2	-2.240230353
TRCN00000 93896	NM_145619. 2-595s1c1	235587	Parp3	0.30892183 6	2.50034023 9	4.05814689 3	-4.42908562	-2.669662729
TRCN00000 93898	NM_145619. 2-715s1c1	235587	Parp3	0.17141156 4	1.36877840 5	3.78353119 7	3.40827436 7	-2.097293101
TRCN00000 94209	NM_009655. 1-3419s1c1	11658	Alcam	0.52735676 3	5.15220970 4	8.59843544 3	-3.3496277	-4.406907403
TRCN00000 94210	NM_009655. 1-2312s1c1	11658	Alcam	1.46154319 3	1.28980058 7	-1.23350008	7.09064155 8	-2.768871355
TRCN00000 94211	NM_009655. 1-2935s1c1	11658	Alcam	2.05659718 3	0.64327250 6	1.24287303 7	1.92295274 8	-0.84498735
TRCN00000 94212	NM_009655. 1-2767s1c1	11658	Alcam	1.06671973 8	1.36877840 5	4.03007691 7	0.60100098 8	-1.233284143

TRCN00000 94213	NM_009655. 1-3037s1c1	11658	Alcam	1.01536168 6	-0.48162403	1.07952847 1	2.19389277 7	-0.652837506
TRCN00000 94474	NM_146010. 1-1026s1c1	216350	Tspan8	1.05547638 4	1.36877840 5	4.05814689 3	3.40827436 7	-1.94493082
TRCN00000 94476	NM_146010. 1-961s1c1	216350	Tspan8	0.45141623 2	0.93013854 3	4.97632129 4	0.60829357 6	-0.972326352
TRCN00000 94478	NM_146010. 1-560s1c1	216350	Tspan8	1.08051905 1	1.36877840 5	3.88919412 7	0.59214871 9	-1.436585716
TRCN00000 94674	NM_011800. 2-3471s1c1	23836	Cdh20	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 94676	NM_011800. 2-1140s1c1	23836	Cdh20	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00000 94889	NM_175164. 3-3676s1c1	71302	Arhgap26	2.76080085 9	2.56210665 1	6.28373184 3	0.41868212 8	-3.00633037
TRCN00000 94890	NM_175164. 3-780s1c1	71302	Arhgap26	0.75805277 3	5.27322204 5	4.15557313 4	3.24472727 6	-3.357893807
TRCN00000 94891	NM_175164. 3-570s1c1	71302	Arhgap26	2.85753710 8	2.94647551 1	3.88919412 7	3.24472727 6	-3.234483506
TRCN00000 94892	NM_175164. 3-2687s1c1	71302	Arhgap26	3.19532845 9	5.52223263 2	1.57235480 7	1.01976212 6	-1.53136104
TRCN00000 94893	NM_175164. 3-1670s1c1	71302	Arhgap26	0.42407327 4	3.35702878 6	2.56443487 7	4.85797545 2	-1.122363704
TRCN00000 94955	NM_023051. 1-1287s1c1	65945	Clstn1	0.91962183 4	1.11050781 4	3.72521500 6	0.31360297 1	-0.900624504
TRCN00000 94956	NM_023051. 1-2418s1c1	65945	Clstn1	1.98799401 3	1.27745358 8	4.47682895 3	1.97992001 5	-2.430549142
TRCN00000 94957	NM_023051. 1-680s1c1	65945	Clstn1	1.19435972 3	1.27745358 8	0.61036358 3	-3.09784689	-1.545005946
TRCN00000 94958	NM_023051. 1-798s1c1	65945	Clstn1	0.05287153	1.27745358 8	0.78977541 3	9.07312373 9	-2.376982596
TRCN00000 95074	NM_011658. 2-1439s1c1	22160	Twist1	0.82472114 1	7.12805921 7	2.94175643 1	6.44470812 3	-3.922450658
TRCN00000 95077	NM_011658. 2-749s1c1	22160	Twist1	0.58534897 9	1.36877840 5	2.43094854 9	2.55753873 4	-1.442979177
TRCN00000 95078	NM_011658. 2-778s1c1	22160	Twist1	-3.32566972	0.96089254 1	3.88919412 7	-3.09784689	-2.81840082
TRCN00000 95244	NM_008328. 1-1727s1c1	15950	Ifi203	0.03673556 1	1.31938209 6	2.29907077 7	2.78524579 3	-1.591740776
TRCN00000 95245	NM_008328. 1-1172s1c1	15950	Ifi203	0.64241749 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.005957351
TRCN00000 95246	NM_008328. 1-1039s1c1	15950	Ifi203	0.67017530 4	2.58519775	5.67220852 3	4.03379973 2	-1.947746452
TRCN00000 95248	NM_008328. 1-946s1c1	15950	Ifi203	0.60151488 5	0.52012202 9	3.78353119 7	2.52836256 1	-1.557625226
TRCN00000 95259	NM_175170. 2-2574s1c1	71592	Pogk	1.58370408 1	1.03376155 7	4.53706809 7	-2.27741489	-2.357987156

TRCN00000 95260	NM_175170. 2-454slc1	71592	Pogk	0.72631282 5	-1.20293764	4.15557313 4	1.69426483 7	-1.581615697
TRCN00000 95261	NM_175170. 2-711slc1	71592	Pogk	1.84806691 4	1.27745358 8	2.28791043 4	1.63830504 5	0.200173744
TRCN00000 95262	NM_175170. 2-2103slc1	71592	Pogk	1.15801535 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.456065563
TRCN00000 95263	NM_175170. 2-1300slc1	71592	Pogk	0.26537254 4	1.62999988 9	3.59292338 6	3.24472727 6	-2.183255774
TRCN00000 95284	NM_008601. 1-1549slc1	17342	Mitf	4.47171797 9	1.11050781 4	3.63590999 4	2.35765349 3	-2.89394732
TRCN00000 95285	NM_008601. 1-228slc1	17342	Mitf	1.96036559 5	1.27745358 8	-1.60236854	4.34184134 8	-1.31532447
TRCN00000 95287	NM_008601. 1-349slc1	17342	Mitf	1.27858650 9	1.53867507 3	3.63826679 6	-3.09784689	-2.388343817
TRCN00000 95288	NM_008601. 1-562slc1	17342	Mitf	0.75868373 2	-1.46120823	3.95248396 3	1.15964799 3	-1.83300598
TRCN00000 95345	NM_199062. 1-427slc1	331188	BC024063	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 95348	NM_199062. 1-369slc1	331188	BC024063	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 95424	NM_0010253 05.1- 4536slc1	21419	Tcfap2b	1.47581505 4	6.12586938 6	3.01894881 2	2.52706952 8	-3.286925695
TRCN00000 95425	NM_0010253 05.1-993slc1	21419	Tcfap2b	0.60145804 8	1.27745358 8	3.67987159 6	0.52572002 9	-1.258265801
TRCN00000 95426	NM_0010253 05.1- 1137slc1	21419	Tcfap2b	4.58970618 6	4.96757331 5	6.82028167 8	8.01821477 7	-6.098943989
TRCN00000 95427	NM_0010253 05.1- 1582slc1	21419	Tcfap2b	1.47192904 4	1.36877840 5	3.88919412 7	-3.09784689	-2.456937117
TRCN00000 95428	NM_0010253 05.1- 1236slc1	21419	Tcfap2b	2.20304951 1	1.36877840 5	0.77430577 1	3.40827436 7	-1.551449128
TRCN00000 95490	NM_172870. 3-946slc1	242509	Bnc2	0.23295789 8	1.36877840 5	3.88919412 7	2.73003321 3	-1.938761962
TRCN00000 95491	NM_172870. 3-93slc1	242509	Bnc2	-1.35405713	0.12248663 1	0.84046924 8	6.13407190 9	-2.11277123
TRCN00000 95492	NM_172870. 3-1387slc1	242509	Bnc2	0.02043724 9	1.53031375 2	0.59021464 7	0.10815262 5	-0.497984631
TRCN00000 95493	NM_172870. 3-1386slc1	242509	Bnc2	0.13781400 9	1.74983517 6	0.69225902 8	0.00187328 8	-0.576538371
TRCN00000 95564	NM_0010056 05.1- 1822slc1	11569	Aebp2	0.19187875 7	5.58598684 4	3.88919412 7	3.40827436 7	-3.268833524
TRCN00000 95566	NM_0010056 05.1- 1422slc1	11569	Aebp2	0.14188839 9	1.27745358 8	3.88919412 7	3.40827436 7	-2.17920262
TRCN00000 95659	NM_181274. 2-2302slc1	66869	1200003107 Rik	0.53949647 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.287986196
TRCN00000 95660	NM_181274. 2-1998slc1	66869	1200003107 Rik	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669

TRCN00000 95662	NM_181274. 2-780s1c1	66869	1200003107 Rik	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00000 95669	NM_013860. 1-4031s1c1	29806	Limd1	0.17715221 2	1.14018531 3	4.37454250 3	1.18670431 9	-1.631069981
TRCN00000 95670	NM_013860. 1-1039s1c1	29806	Limd1	3.67881293 3	1.00463840 4	4.08734668 8	3.24472727 6	-3.003881325
TRCN00000 95672	NM_013860. 1-2186s1c1	29806	Limd1	0.01940022 3	1.36877840 5	3.88919412 7	-1.80390019	-1.760618125
TRCN00000 95673	NM_013860. 1-1523s1c1	29806	Limd1	-2.84988495	1.27745358 8	3.59292338 6	1.23075869 6	-2.237755155
TRCN00000 95684	NM_007715. 4-6762s1c1	12753	Clock	0.27795251 7	1.27745358 8	3.83539553 5	3.24472727 6	-2.158882229
TRCN00000 95686	NM_007715. 4-1991s1c1	12753	Clock	0.46012543 7	-1.46120823	3.88919412 7	3.40827436 7	-2.30470054
TRCN00000 95694	NM_007970. 1-3797s1c1	14055	Ezh1	0.68677230 6	1.36877840 5	2.49207182 9	3.40827436 7	-1.645588074
TRCN00000 95695	NM_007970. 1-1458s1c1	14055	Ezh1	2.30997338 4	0.33627651 5	2.95761677 4	2.84253081 2	-0.956612679
TRCN00000 95696	NM_007970. 1-2083s1c1	14055	Ezh1	1.51295105 4	1.36988341 4	3.46486411 1	0.63479387 8	-1.428226175
TRCN00000 95697	NM_007970. 1-1805s1c1	14055	Ezh1	3.65065307 7	1.27745358 8	4.27942738 5	-3.09784689	-1.251018697
TRCN00000 95698	NM_007970. 1-436s1c1	14055	Ezh1	0.36706674 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.074795039
TRCN00000 95801	NM_026057. 1-349s1c1	67255	Zfp422	0.17141156 4	0.38311730 3	3.83539553 5	3.40827436 7	-1.86384391
TRCN00000 95802	NM_026057. 1-352s1c1	67255	Zfp422	0.24180442 7	1.36877840 5	3.92234374 5	3.40827436 7	-2.114398023
TRCN00000 95864	NM_009534. 1-1824s1c1	22601	Yap1	0.55336027 5	1.54807117 8	3.88919412 7	4.85737193 1	-2.711999378
TRCN00000 95865	NM_009534. 1-1577s1c1	22601	Yap1	4.24937543 3	1.49933525 5	2.81301147 4	2.67619595 4	-2.809479529
TRCN00000 95866	NM_009534. 1-1108s1c1	22601	Yap1	2.74597354 8	1.60388448 1	3.78353119 7	3.40827436 7	-1.512429124
TRCN00000 95867	NM_009534. 1-1107s1c1	22601	Yap1	0.56206825 5	4.43008233 8	3.39703310 4	2.43719965 6	-2.425561711
TRCN00000 95868	NM_009534. 1-704s1c1	22601	Yap1	1.29389276 6	0.71791864 9	1.13209512 3	-9.50004972	-2.235982179
TRCN00000 95934	NM_011749. 3-3874s1c1	22661	Zfp148	0.22961667 2	0.54298792 8	2.47537068 5	-2.51802168	-1.441499241
TRCN00000 95935	NM_011749. 3-2058s1c1	22661	Zfp148	0.10474931 5	1.70957554 2	3.25561761 8	3.28200110 4	-1.233198124
TRCN00000 95936	NM_011749. 3-958s1c1	22661	Zfp148	0.98676350 1	1.27745358 8	0.59734242 5	3.67020792 7	-0.840888897
TRCN00000 95937	NM_011749. 3-2734s1c1	22661	Zfp148	0.87035357 1	4.76422495 6	5.54850536 9	4.44080705 3	-3.905972737

TRCN00000 95938	NM_011749. 3-1422s1c1	22661	Zfp148	0.11562314 2	-0.08110639	4.20937172 6	2.84253081 2	-1.754346447
TRCN00000 95994	NM_019797. 2-2318s1c1	56404	Trip4	0.09096187 8	2.62545759 4	0.39674488 3	3.40827436 7	-1.3865063
TRCN00000 95995	NM_019797. 2-980s1c1	56404	Trip4	2.42148605 2	1.36877840 5	4.08194125 4	2.96454824 4	-2.709188489
TRCN00000 95996	NM_019797. 2-1683s1c1	56404	Trip4	0.80977583 8	6.09524282 7	1.44916526 2	2.78459159 5	-2.784693881
TRCN00000 95997	NM_019797. 2-919s1c1	56404	Trip4	1.51295105 4	2.26418677 3	3.83539553 5	1.69426483 7	-2.32669955
TRCN00000 95998	NM_019797. 2-2330s1c1	56404	Trip4	3.31902918 5	1.36877840 5	3.88919412 7	2.84253081 2	-2.854883132
TRCN00000 96060	NM_010459. 3-565s1c1	15412	Hoxb4	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00000 96063	NM_010459. 3-569s1c1	15412	Hoxb4	0.09740707 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.128760308
TRCN00000 96099	NM_008393. 2-1716s1c1	16373	Irx3	0.91625495 9	0.82534563 1	3.46833438 6	4.05427734 5	-2.31605308
TRCN00000 96100	NM_008393. 2-283s1c1	16373	Irx3	0.32657012 1	5.89275199 9	-2.23384412	4.43599986 8	-3.222291527
TRCN00000 96101	NM_008393. 2-1525s1c1	16373	Irx3	0.37613220 9	1.36877840 5	3.83539553 5	3.40827436 7	-2.247145129
TRCN00000 96134	NM_008667. 2-1696s1c1	17936	Nab1	3.94333530 2	-1.80419119	5.04803860 6	3.47144982 3	-3.56675373
TRCN00000 96135	NM_008667. 2-513s1c1	17936	Nab1	1.40595321 2	2.19514621 4	-6.90923088	3.62060220 2	-3.532733127
TRCN00000 96136	NM_008667. 2-1140s1c1	17936	Nab1	2.10045675 1	4.13699106 1	-1.42738984	4.53882979 1	-0.98242133
TRCN00000 96137	NM_008667. 2-250s1c1	17936	Nab1	1.25909213	-2.00069356	-0.75593024	2.08818564 7	0.147663494
TRCN00000 96138	NM_008667. 2-1584s1c1	17936	Nab1	0.75760590 9	-4.04273254	3.42665404 5	0.70139536 3	-2.232096964
TRCN00000 96244	NM_011981. 4-2038s1c1	26466	Zfp260	0.50035672 1	1.36877840 5	3.88919412 7	3.40827436 7	-2.291650905
TRCN00000 96245	NM_011981. 4-1621s1c1	26466	Zfp260	0.71891811 4	1.36877840 5	3.92234374 5	3.40827436 7	-2.354578658
TRCN00000 96299	NM_009558. 2-2490s1c1	22709	Zfp51	0.01940022 3	1.36877840 5	3.63826679 6	3.40827436 7	-2.098979836
TRCN00000 96300	NM_009558. 2-1649s1c1	22709	Zfp51	0.01940022 3	1.36988341 4	3.73346684 1	-3.09784689	-2.045449231
TRCN00000 96302	NM_009558. 2-1650s1c1	22709	Zfp51	0.01940022 3	1.03376155 7	3.85403447 4	3.40827436 7	-2.069167544
TRCN00000 96309	NM_133228. 2-2377s1c1	170763	Zfp87	0.17141156 4	1.70752493 8	3.97614233 7	3.40827436 7	-2.23013252
TRCN00000 96311	NM_133228. 2-302s1c1	170763	Zfp87	0.49335450 5	1.36877840 5	3.88919412 7	3.24472727 6	-2.002336326

TRCN00000 96325	NM_025882. 1-286s1c1	66979	Pole4	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048
TRCN00000 96326	NM_025882. 1-334s1c1	66979	Pole4	0.20893811 9	1.12619138 3	3.68508170 8	3.24472727 6	-2.066234622
TRCN00000 96416	NM_009550. 1-1012s1c1	22678	Zfp2	2.18998383 5	1.36877840 5	3.68508170 8	-3.99836582	-2.810552442
TRCN00000 96417	NM_009550. 1-1011s1c1	22678	Zfp2	0.01940022 3	-1.46120823	3.72521500 6	4.16191291 1	-2.332233981
TRCN00000 96439	NM_010657. 2-8577s1c1	16656	Hivep3	1.17305758 2	1.70752493 8	3.72521500 6	2.96454824 4	-2.392586443
TRCN00000 96440	NM_010657. 2-3831s1c1	16656	Hivep3	0.48746017 3	1.19156721 9	4.73819833 1	3.24472727 6	-2.171758163
TRCN00000 96441	NM_010657. 2-2610s1c1	16656	Hivep3	0.81880325 7	0.82534563 1	0.99020422 3	2.27052466 9	-1.226219445
TRCN00000 96442	NM_010657. 2-5401s1c1	16656	Hivep3	1.44268516 7	1.11050781 4	7.21244233 8	1.87015003 8	-1.252528737
TRCN00000 96443	NM_010657. 2-1755s1c1	16656	Hivep3	3.11299474 6	1.36877840 5	3.83539553 5	0.98721827 4	-1.832487603
TRCN00000 96639	NM_021878. 2-4748s1c1	16468	Jarid2	0.80364505 7	1.36877840 5	3.88919412 7	3.67020792 7	-2.432956379
TRCN00000 96640	NM_021878. 2-784s1c1	16468	Jarid2	2.83911413 7	1.27745358 8	3.78353119 7	0.68329103 2	-2.145847489
TRCN00000 96642	NM_021878. 2-3332s1c1	16468	Jarid2	0.80284610 4	1.27745358 8	-4.58626562	5.94489383 7	-2.751441735
TRCN00000 96643	NM_021878. 2-1430s1c1	16468	Jarid2	0.72069388 2	-1.46120823	3.97614233 7	2.84253081 2	-2.250143815
TRCN00000 96759	NM_183029. 1-3567s1c1	319765	Igf2bp2	0.68964974 9	1.27745358 8	3.67987159 6	0.99648165 2	-1.316039272
TRCN00000 96760	NM_183029. 1-799s1c1	319765	Igf2bp2	2.42829068 1	1.36877840 5	3.73346684 1	1.49721042 7	-2.256936589
TRCN00000 96761	NM_183029. 1-970s1c1	319765	Igf2bp2	0.10156716 1	0.70144729 1	3.88919412 7	3.24472727 6	-1.984233964
TRCN00000 96763	NM_183029. 1-227s1c1	319765	Igf2bp2	-1.57916089	1.36877840 5	4.52989789 3	2.12112686 9	-2.399741014
TRCN00000 96830	NM_145625. 1-1702s1c1	75705	Eif4b	1.25129757 2	1.58382086 1	3.93162742 7	0.37035260 9	-0.807187882
TRCN00000 96831	NM_145625. 1-1355s1c1	75705	Eif4b	-4.87993013	0.54298792 8	3.17879909 3	1.58269613 6	-2.546103322
TRCN00000 96833	NM_145625. 1-1732s1c1	75705	Eif4b	1.51379058 1	1.27745358 8	1.39469893 6	2.84253081 2	-1.757118479
TRCN00000 96835	NM_019711. 1-618s1c1	56516	Rbms2	0.46267290 8	5.24901041 8	2.51193691 4	-11.248598	-2.243549351
TRCN00000 96838	NM_019711. 1-76s1c1	56516	Rbms2	2.29663855 4	1.54807117 8	3.78353119 7	3.24472727 6	-2.718242051
TRCN00000 96874	NM_026030. 1-2008s1c1	67204	Eif2s2	-2.27783133	1.37384534 1	0.14313095 2	2.16866760 6	-1.419303331

TRCN00000 96875	NM_026030. 1-956s1c1	67204	Eif2s2	1.09905977 6	1.45674636 1	7.83155380 5	2.87476541 2	-2.766001451
TRCN00000 96876	NM_026030. 1-274s1c1	67204	Eif2s2	1.90135429 9	1.36877840 5	3.83539553 5	-3.09784689	-2.550843782
TRCN00000 96877	NM_026030. 1-699s1c1	67204	Eif2s2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00000 96878	NM_026030. 1-430s1c1	67204	Eif2s2	0.36340841 5	4.72245130 9	3.73346684 1	2.84253081 2	-0.372534482
TRCN00000 97004	NM_010436. 2-1184s1c1	15270	H2afx	2.82138164 8	1.36877840 5	2.06020555 9	2.43719965 6	-2.171891317
TRCN00000 97005	NM_010436. 2-215s1c1	15270	H2afx	0.56484283 9	1.36877840 5	3.92234374 5	3.24472727 6	-2.275173066
TRCN00000 97121	XM_359390. 1-76s1c1	386546	UNK	0.01940022 3	-1.46120823	3.88919412 7	3.24472727 6	-2.143932353
TRCN00000 97135	NM_010586. 1-2357s1c1	16439	Itpr2	1.81970596 3	0.37647151 6	2.82901247 5	3.22211177 4	-0.262533787
TRCN00000 97136	NM_010586. 1-236s1c1	16439	Itpr2	0.50393793 3	1.61620012 1	4.05814689 3	0.49421093 3	-1.66812397
TRCN00000 97138	NM_010586. 1-3212s1c1	16439	Itpr2	0.37861987 8	1.19220614	3.67987159 6	1.54400859 5	-1.102573482
TRCN00000 97174	NM_027416. 1-722s1c1	70405	Calml3	1.76492285 3	1.36877840 5	3.83539553 5	2.96454824 4	-2.483411259
TRCN00000 97175	NM_027416. 1-518s1c1	70405	Calml3	1.26389516 6	1.09953062 5	3.83539553 5	3.52332754 1	-1.880771904
TRCN00000 97176	NM_027416. 1-266s1c1	70405	Calml3	1.34112196 4	3.29317780 3	4.08194125 4	3.37282488 4	-3.022266476
TRCN00000 97254	XM_284495. 2-4331s1c1	330938	Dixdc1	1.15355333 8	1.36877840 5	3.87047940 7	3.40827436 7	-2.450271379
TRCN00000 97255	XM_284495. 2-1212s1c1	330938	Dixdc1	0.59271226 5	1.19156721 9	3.77202991 8	1.67452557 2	-0.674089825
TRCN00000 97256	XM_284495. 2-2178s1c1	330938	Dixdc1	0.62808332 9	1.60978117 9	0.99992921 6	4.79015527 6	-0.702132053
TRCN00000 97257	XM_284495. 2-1467s1c1	330938	Dixdc1	1.02541815 5	1.69891674 1	3.73346684 1	-3.09784689	-1.026744709
TRCN00000 97258	XM_284495. 2-308s1c1	330938	Dixdc1	1.17270585 6	2.12143022 1	5.68702842 5	5.73266532 2	-3.678457456
TRCN00000 97286	NM_009035. 1-1356s1c1	19664	Rbpsuh	0.75422058 8	3.56047160 2	2.14549875 6	1.37097593 4	-0.199554375
TRCN00000 97287	NM_009035. 1-378s1c1	19664	Rbpsuh	-1.24490523	2.81252967 9	3.68508170 8	3.24472727 6	-2.746810973
TRCN00000 97288	NM_009035. 1-919s1c1	19664	Rbpsuh	1.24143445 1	1.33923223 3	0.50436442 3	1.06489640 7	0.505033675
TRCN00000 97384	NM_145354. 2-3568s1c1	28114	Nsun2	3.05314486 4	1.36877840 5	3.97614233 7	3.83375501 9	-3.057955156
TRCN00000 97386	NM_145354. 2-1529s1c1	28114	Nsun2	0.08087202 8	4.45035356 6	1.42745822 3	7.08171304 6	-1.034922433

TRCN00000 97387	NM_145354. 2-689slc1	28114	Nsun2	0.19966950 4	1.36877840 5	3.78353119 7	3.40827436 7	-2.190063368
TRCN00000 97388	NM_145354. 2-1728slc1	28114	Nsun2	1.77064564 7	1.28399704 4	0.46577478 5	2.02562985 5	-1.15362444
TRCN00000 97494	NM_178891. 3-1538slc1	99890	Prmt6	0.67607093 3	1.31996072 6	3.71710993 7	-4.96499889	-1.671519292
TRCN00000 97495	NM_178891. 3-1074slc1	99890	Prmt6	0.85713622 9	3.82299468 7	0.69018100 9	2.59487240 4	1.991296082
TRCN00000 97496	NM_178891. 3-1005slc1	99890	Prmt6	0.31386855 5	0.15043001 3	2.10831790 7	0.75565047 3	0.756851731
TRCN00000 97497	NM_178891. 3-146slc1	99890	Prmt6	0.77881099 5	1.53031375 2	4.10370879 6	0.64613683 9	-1.441674176
TRCN00000 97498	NM_178891. 3-662slc1	99890	Prmt6	2.56794110 3	0.89152777 5	3.88919412 7	3.24472727 6	-2.64834757
TRCN00000 97677	NM_177575. 2-538slc1	194456	UNK	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00000 97685	NM_010128. 3-1580slc1	13730	Emp1	0.42516977 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.060269281
TRCN00000 97688	NM_010128. 3-542slc1	13730	Emp1	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00000 97720	NM_019460. 1-1437slc1	54650	Sfmbt1	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00000 97724	NM_019460. 1-1973slc1	54650	Sfmbt1	0.18601388 2	1.03376155 7	3.68508170 8	2.84253081 2	-1.843840049
TRCN00000 97920	NM_008306. 2-3752slc1	15531	Ndst1	2.01607313 6	0.93098465 6	1.43737984 7	2.15105266 7	-0.092853915
TRCN00000 97921	NM_008306. 2-1189slc1	15531	Ndst1	1.27943775 2	1.34559043 7	0.59945867 7	1.51076891 6	-0.511018727
TRCN00000 97922	NM_008306. 2-2327slc1	15531	Ndst1	0.01940022 3	1.36877840 5	3.78353119 7	3.83375501 9	-2.2416661
TRCN00000 97923	NM_008306. 2-1087slc1	15531	Ndst1	1.56129052 8	0.96089254 1	-5.46022551	1.60282618 5	-2.396308691
TRCN00000 97924	NM_008306. 2-722slc1	15531	Ndst1	0.01940022 3	1.27745358 8	3.95248396 3	2.96454824 4	-2.043771393
TRCN00000 98300	NM_011824. 3-771slc1	23892	Grem1	0.01940022 3	1.36877840 5	2.13989995	3.24472727 6	-0.613551377
TRCN00000 98301	NM_011824. 3-413slc1	23892	Grem1	0.43486838 4	2.53413277 7	4.00434830 1	-0.43702698	-1.635159919
TRCN00000 98302	NM_011824. 3-685slc1	23892	Grem1	1.79553573 2	-0.71910697	3.01291607 4	2.35145649 9	-1.071985953
TRCN00000 98303	NM_011824. 3-567slc1	23892	Grem1	1.79764012 1	2.15219190 9	0.82242937 4	0.34440944 7	-0.695748302
TRCN00000 98304	NM_011824. 3-422slc1	23892	Grem1	0.60171888 2	-1.46120823	3.88919412 7	2.73003321 3	-2.170538613
TRCN00000 98336	NM_139001. 1-3418slc1	121021	Cspg4	0.10287699 7	0.89152777 5	0.12374317 4	0.05137489 2	-0.240942211

TRCN00000 98337	NM_139001. 1-1094s1c1	121021	Cspg4	0.20985816 4	4.75796382 4	4.31551066 8	9.31525450 5	-2.165735796
TRCN00000 98338	NM_139001. 1-6362s1c1	121021	Cspg4	0.01940022 3	1.27745358 8	3.83539553 5	3.40827436 7	-2.125430817
TRCN00000 98339	NM_139001. 1-6345s1c1	121021	Cspg4	0.55519872 1	-1.20293764	1.18808610 7	2.56688195 6	-1.378276106
TRCN00000 98415	NM_009265. 2-571s1c1	20754	Sprr1b	1.03912702 4	1.27745358 8	2.14260197 7	0.06202217 3	-0.579726592
TRCN00000 98416	NM_009265. 2-102s1c1	20754	Sprr1b	3.51252296 5	1.36877840 5	3.92234374 5	2.96454824 4	-2.94204834
TRCN00000 98417	NM_009265. 2-155s1c1	20754	Sprr1b	0.93561114 8	1.19156721 9	3.98001256 1	3.24472727 6	-2.337979551
TRCN00000 98418	NM_009265. 2-483s1c1	20754	Sprr1b	2.55698755 6	1.29963907 4	0.73206013 8	1.80244158 5	-0.696561296
TRCN00000 98419	NM_009265. 2-474s1c1	20754	Sprr1b	0.46148962 3	1.36877840 5	0.11814114 4	3.40827436 7	-1.339170885
TRCN00000 98590	NM_008303. 2-434s1c1	15528	Hspe1	2.83453668 8	1.36877840 5	3.88919412 7	3.24472727 6	-2.834309124
TRCN00000 98591	NM_008303. 2-179s1c1	15528	Hspe1	0.17659288 4	0.70155698 2	3.74476251 5	3.24472727 6	-1.878613472
TRCN00000 98592	NM_008303. 2-281s1c1	15528	Hspe1	1.13590853 1	3.41774759 8	5.00045279 4	-3.09784689	-3.162988953
TRCN00000 98594	NM_008303. 2-298s1c1	15528	Hspe1	1.81556843 4	5.59110980 3	3.92234374 5	0.23155022 1	-2.890143051
TRCN00000 98680	NM_031159. 2-1405s1c1	11810	Apobec1	0.32201319 5	6.34831639 6	1.57064979 6	4.73806074 3	-2.459435135
TRCN00000 98681	NM_031159. 2-971s1c1	11810	Apobec1	1.18294919 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.462299024
TRCN00000 98682	NM_031159. 2-620s1c1	11810	Apobec1	0.45931922 5	-1.68977085	0.38516233 9	1.32372733 3	0.119609512
TRCN00000 98684	NM_031159. 2-912s1c1	11810	Apobec1	0.54994031 7	1.36877840 5	3.88919412 7	-3.09784689	-1.951469776
TRCN00000 98785	NM_144799. 1-1419s1c1	30937	Lmcd1	0.06366107 3	0.67978272 5	1.15953057 7	3.32406384 3	-0.69516373
TRCN00000 98786	NM_144799. 1-514s1c1	30937	Lmcd1	0.13440184 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.132961264
TRCN00000 98787	NM_144799. 1-1063s1c1	30937	Lmcd1	1.00192356 1	4.34360904 7	6.25452287 2	3.48872050 7	-3.772193997
TRCN00000 98788	NM_144799. 1-400s1c1	30937	Lmcd1	-2.68392095	1.36877840 5	3.88919412 7	-3.09784689	-2.759935093
TRCN00000 98845	NM_153122. 1-2170s1c1	75475	Oplah	0.58580554 8	4.36377087 2	3.78353119 7	0.94278378 9	-1.654678183
TRCN00000 98846	NM_153122. 1-3234s1c1	75475	Oplah	2.98389185 2	1.36877840 5	3.87047940 7	3.40827436 7	-2.907856008
TRCN00000 98847	NM_153122. 1-3066s1c1	75475	Oplah	0.75333259 5	1.27745358 8	6.96891815 7	3.77523019 4	-2.817067336

TRCN00000 98848	NM_153122. 1-3065s1c1	75475	Oplah	0.26295723 9	1.27745358 8	6.42941750 3	3.90482908 4	-2.968664354
TRCN00000 98849	NM_153122. 1-1678s1c1	75475	Oplah	1.61805951 8	1.36988341 4	2.50178270 1	4.60854882 3	-2.524568614
TRCN00000 99045	NM_029571. 1-1233s1c1	100087	Kti12	0.39946687	1.27745358 8	3.63826679 6	3.11518484 8	-1.907859591
TRCN00000 99046	NM_029571. 1-1050s1c1	100087	Kti12	-0.86262059	0.26092484 7	1.79678489 7	6.63807457 6	-1.491208779
TRCN00000 99049	NM_029571. 1-995s1c1	100087	Kti12	0.43395395 5	0.89152777 5	8.26581932 2	5.09749321 8	-3.672198568
TRCN00000 99050	NM_025298. 2-2824s1c1	26939	Polr3e	1.01129545 3	1.28399704 4	2.07480681 3	0.55931667 8	0.590355475
TRCN00000 99051	NM_025298. 2-215s1c1	26939	Polr3e	0.66735067 7	4.32954511 6	0.69423381 9	3.76799893 8	-2.364782138
TRCN00000 99052	NM_025298. 2-1207s1c1	26939	Polr3e	2.13876906 8	0.04512897 9	1.55051977 1	0.66917325 4	-0.325637883
TRCN00000 99053	NM_025298. 2-718s1c1	26939	Polr3e	1.27534518 1	1.03928887 8	3.88919412 7	0.99648165 2	-1.80007746
TRCN00000 99054	NM_025298. 2-350s1c1	26939	Polr3e	0.01940022 3	-1.46120823	3.88481251 5	3.24472727 6	-2.14283695
TRCN00000 99160	NM_145595. 1-842s1c1	234309	Cbr4	0.13492853 2	0.82534563 1	4.83345592 8	3.63265658 6	-2.289132403
TRCN00000 99161	NM_145595. 1-594s1c1	234309	Cbr4	2.47267518 7	1.36877840 5	3.88919412 7	2.05185553 7	-2.445625814
TRCN00000 99162	NM_145595. 1-331s1c1	234309	Cbr4	1.22911690 4	1.36877840 5	4.00525930 7	5.64966871 6	-3.063205833
TRCN00000 99163	NM_145595. 1-276s1c1	234309	Cbr4	1.11162456 5	1.27745358 8	1.95490048 9	3.40827436 7	-1.38225097
TRCN00000 99164	NM_145595. 1-720s1c1	234309	Cbr4	0.45004614 7	1.36877840 5	4.08194125 4	3.24472727 6	-2.061350197
TRCN00000 99255	NM_012017. 1-999s1c1	26919	Zfp346	2.92127737 5	1.27745358 8	3.83539553 5	3.40827436 7	-2.860600216
TRCN00000 99259	NM_012017. 1-333s1c1	26919	Zfp346	0.18601388 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.09722705
TRCN00000 99265	NM_009121. 3-946s1c1	20229	Sat1	3.13448414 9	0.68867569 1	1.05463818 4	8.29095337 7	-2.947850005
TRCN00000 99267	NM_009121. 3-546s1c1	20229	Sat1	1.31181963 4	1.51404284	0.70568098 2	2.46204061 1	0.8424862
TRCN00000 99268	NM_009121. 3-637s1c1	20229	Sat1	-1.51622642	0.02060896 5	0.09174190 7	5.25488621 7	-1.720865877
TRCN00000 99269	NM_009121. 3-437s1c1	20229	Sat1	1.82262550 3	4.24086283 8	2.32637147 5	9.44834994 6	-4.459552441
TRCN00000 99475	NM_054074. 1-144s1c1	116746	Defb6	0.99862244 7	1.36877840 5	3.88919412 7	-3.09784689	-2.338610467
TRCN00000 99476	NM_054074. 1-109s1c1	116746	Defb6	1.28512557 7	0.29667122 1	5.10584357 1	2.52836256 1	-1.661437944

TRCN00000 99477	NM_054074. 1-94s1c1	116746	Defb6	1.40737464 6	-2.29975504	4.75798064 5	2.95346807 6	-2.150957279
TRCN00000 99478	NM_054074. 1-119s1c1	116746	Defb6	0.01940022 3	1.27745358 8	3.88919412 7	2.96454824 4	-2.027948934
TRCN00000 99545	NM_198649. 2-2669s1c1	319713	Ablim3	2.71420066 4	4.59036116 7	2.51374227 8	4.60380505 4	-0.99155582
TRCN00000 99546	NM_198649. 2-896s1c1	319713	Ablim3	0.20333952 5	3.70230434 9	0.31861031 3	7.40440204 9	-2.805494297
TRCN00000 99547	NM_198649. 2-1452s1c1	319713	Ablim3	0.51265435 3	6.75318119 1	-5.21967183	4.33097401 4	-4.204120347
TRCN00000 99549	NM_198649. 2-2564s1c1	319713	Ablim3	-2.32069608	5.90698482 7	0.66494378 9	1.37345056 8	-2.234046922
TRCN00000 99705	NM_020561. 1-1553s1c1	57319	Smpdl3a	0.87276939 3	4.47826325 5	4.13573984 7	0.33063354 3	-2.017966813
TRCN00000 99706	NM_020561. 1-270s1c1	57319	Smpdl3a	3.75628062 5	2.10138915 4	3.87047940 7	3.40827436 7	-3.284105888
TRCN00000 99707	NM_020561. 1-560s1c1	57319	Smpdl3a	2.20304951 1	1.27745358 8	1.83485575 5	3.40827436 7	-2.180908305
TRCN00000 99708	NM_020561. 1-1235s1c1	57319	Smpdl3a	1.50499322 8	4.03841091 5	1.18653328 1	3.36614939 3	0.088450394
TRCN00001 00106	NM_009302. 2-756s1c1	20947	Swap70	0.37305510 8	1.37172929 9	3.83539553 5	3.24472727 6	-2.019699251
TRCN00001 00107	NM_009302. 2-689s1c1	20947	Swap70	0.19941814	1.27745358 8	3.88919412 7	3.24472727 6	-2.052989213
TRCN00001 00120	NM_010738. 2-545s1c1	110454	Ly6a	1.30895557 7	1.64829697 6	2.97323340 6	2.17715472 8	-1.372432383
TRCN00001 00121	NM_010738. 2-272s1c1	110454	Ly6a	0.43869041 2	1.36988341 4	5.01370122 7	4.41918835 4	-2.591020646
TRCN00001 00122	NM_010738. 2-271s1c1	110454	Ly6a	1.68675346 2	1.37172929 9	8.58044910 4	5.49555363 7	-4.283621376
TRCN00001 00123	NM_010738. 2-248s1c1	110454	Ly6a	0.72295978 4	1.80445250 4	0.36562594 5	3.03755095 3	-0.938354432
TRCN00001 00124	NM_010738. 2-208s1c1	110454	Ly6a	1.64556697 1	1.27745358 8	4.08194125 4	0.79773484 9	-1.950674166
TRCN00001 00245	NM_028680. 2-2090s1c1	73916	Ift57	0.36777883 8	4.13907072 6	1.29347945 9	10.1548200 9	-3.988787278
TRCN00001 00246	NM_028680. 2-787s1c1	73916	Ift57	0.09740707 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.128760308
TRCN00001 00247	NM_028680. 2-1153s1c1	73916	Ift57	-0.49772543	0.96089254 1	3.68508170 8	0.62913873 6	-1.128640236
TRCN00001 00248	NM_028680. 2-591s1c1	73916	Ift57	0.61367973 3	3.58821198	7.48023229 1	-4.41527103	-1.923402902
TRCN00001 00280	NM_177336. 2-1888s1c1	218878	UNK	2.42343194 4	1.19156721 9	3.90241960 7	1.21508895 9	-0.363866481
TRCN00001 00281	NM_177336. 2-3100s1c1	218878	UNK	1.41111319 8	1.29498304 1	3.98001256 1	2.27052466 9	-2.239158367

TRCN00001 00282	NM_177336. 2-2252s1c1	218878	UNK	0.26320710 3	1.16443281 3	1.18625046 5	2.86322966 5	-0.787063605
TRCN00001 00283	NM_177336. 2-1961s1c1	218878	UNK	3.60754174 6	1.36877840 5	4.10370879 6	2.52836256 1	-1.098327004
TRCN00001 00284	NM_177336. 2-3045s1c1	218878	UNK	2.17958818 6	2.04276802 8	0.19708147 3	3.24472727 6	-0.826247148
TRCN00001 00365	NM_028870. 1-1097s1c1	74325	Cltb	-1.73066794	1.99390217 3	4.16975237 7	5.05481093 9	-3.237283357
TRCN00001 00366	NM_028870. 1-546s1c1	74325	Cltb	0.16177612 8	1.36877840 5	0.23954616 5	3.40827436 7	-1.213705702
TRCN00001 00367	NM_028870. 1-572s1c1	74325	Cltb	0.41873999 4	1.27745358 8	3.88919412 7	3.40827436 7	-2.248415519
TRCN00001 00400	NM_029494. 2-1466s1c1	75985	Rab30	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 00401	NM_029494. 2-719s1c1	75985	Rab30	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00001 00435	NM_133685. 1-2671s1c1	106572	Rab31	1.83523766 4	1.11050781 4	6.07217248 4	0.93161923 2	-2.487384299
TRCN00001 00436	NM_133685. 1-407s1c1	106572	Rab31	0.34751937 4	1.27745358 8	3.93919504 2	2.20334006 9	-0.840206984
TRCN00001 00437	NM_133685. 1-218s1c1	106572	Rab31	0.06402672 4	1.36877840 5	-1.12087518	-0.6254801	-0.76277674
TRCN00001 00438	NM_133685. 1-581s1c1	106572	Rab31	0.03639032 2	1.36877840 5	3.59324846 6	3.40827436 7	-2.10167289
TRCN00001 00439	NM_133685. 1-584s1c1	106572	Rab31	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048
TRCN00001 00470	NM_015774. 2-1719s1c1	50527	Ero11	1.59903206 3	1.36988341 4	4.10370879 6	11.1363892 3	-4.552253376
TRCN00001 00471	NM_015774. 2-1049s1c1	50527	Ero11	2.26274141 7	2.91996504 2	3.63826679 6	3.24472727 6	-1.556442612
TRCN00001 00472	NM_015774. 2-238s1c1	50527	Ero11	1.45606051 7	-1.46120823	3.90241960 7	3.24472727 6	-2.516103908
TRCN00001 00473	NM_015774. 2-1324s1c1	50527	Ero11	-0.39795358	1.27745358 8	0.91177314 1	4.66689252 6	-1.357631638
TRCN00001 00474	NM_015774. 2-1159s1c1	50527	Ero11	0.23904729 8	4.70140245 6	3.97614233 7	1.38084630 6	-1.764412797
TRCN00001 00503	NM_026577. 2-1376s1c1	68146	Arl13b	0.941924	0.41318520 7	1.71407263 7	2.75808257 5	0.599779786
TRCN00001 00535	NM_173413. 2-4306s1c1	235442	Rab8b	4.05660964 1	1.19156721 9	1.35188122 4	5.05490940 8	-2.913741873
TRCN00001 00536	NM_173413. 2-264s1c1	235442	Rab8b	0.15110739 6	3.00355629	6.45204948 5	0.94700572 9	-0.587595018
TRCN00001 00537	NM_173413. 2-636s1c1	235442	Rab8b	1.01397923 2	1.19156721 9	4.42423496 4	1.40394207 8	-1.306459834
TRCN00001 00538	NM_173413. 2-253s1c1	235442	Rab8b	2.29423795 5	4.21834614 9	1.14309505 3	3.52332754 1	-0.114031074

TRCN00001 00539	NM_173413. 2-417s1c1	235442	Rab8b	0.83810119 3	1.28399704 4	4.03007691 7	3.46662161 1	-1.985648595
TRCN00001 00610	NM_145823. 1-1732s1c1	71795	Pitpnc1	1.49071286 3	2.04276802 8	3.83539553 5	3.24472727 6	-2.653400926
TRCN00001 00613	NM_145823. 1-1385s1c1	71795	Pitpnc1	0.19632017 7	1.27745358 8	1.51111678 5	0.31897405 7	-0.666479123
TRCN00001 00614	NM_145823. 1-824s1c1	71795	Pitpnc1	2.73229784 9	1.36877840 5	-6.66835188	1.40852452 8	-0.974076977
TRCN00001 00635	NM_008850. 1-2735s1c1	18738	Pitpna	0.80918067 2	0.13189363 4	4.06985909 8	1.66426930 8	-0.366128871
TRCN00001 00636	NM_008850. 1-466s1c1	18738	Pitpna	2.17131197 8	1.19156721 9	5.43800200 1	-3.09784689	-1.889026033
TRCN00001 00637	NM_008850. 1-763s1c1	18738	Pitpna	0.63077278 7	1.27745358 8	3.22051103 6	2.86268030 8	-1.682468036
TRCN00001 00638	NM_008850. 1-669s1c1	18738	Pitpna	0.50561204	0.96089254 1	4.17496721 2	8.98674899 4	-3.404249177
TRCN00001 00665	NM_010762. 2-1103s1c1	17153	Mal	-3.06046641	1.27745358 8	5.49800095 9	1.40793588 8	-2.810964211
TRCN00001 00666	NM_010762. 2-586s1c1	17153	Mal	0.06437377 6	1.05894787 8	4.08734668 8	2.05185553 7	-1.783444082
TRCN00001 00667	NM_010762. 2-474s1c1	17153	Mal	2.48013873 9	1.19156721 9	3.88919412 7	3.52332754 1	-2.771056907
TRCN00001 00668	NM_010762. 2-353s1c1	17153	Mal	0.45687883 3	-1.57110932	1.52069957 5	11.8968685 2	-3.632949646
TRCN00001 00669	NM_010762. 2-484s1c1	17153	Mal	0.01940022 3	1.36877840 5	1.96479027 9	2.84253081 2	-0.556779679
TRCN00001 00701	NM_146182. 1-395s1c1	232943	Klc3	1.02644107 9	1.28399704 4	3.87047940 7	-3.99836582	-2.544820838
TRCN00001 00702	NM_146182. 1-946s1c1	232943	Klc3	-0.88165191	1.36877840 5	2.15903007 5	3.40827436 7	-1.954433689
TRCN00001 00704	NM_146182. 1-826s1c1	232943	Klc3	1.57811362 1	2.36718700 3	3.92234374 5	0.41511133 5	-1.281632116
TRCN00001 00805	NM_009120. 1-2320s1c1	20224	Sar1a	0.72965198 2	1.04019382 4	1.12861356 1	0.96616328 5	-0.966155663
TRCN00001 00806	NM_009120. 1-491s1c1	20224	Sar1a	0.49274912 7	1.72069155 7	0.23044854 6	0.31360297 1	-0.532571565
TRCN00001 00807	NM_009120. 1-551s1c1	20224	Sar1a	0.35265162 3	1.11050781 4	4.58822438 3	5.43125124 6	-2.870658767
TRCN00001 00808	NM_009120. 1-288s1c1	20224	Sar1a	1.36281648 9	0.89152777 5	4.17496721 2	-2.16904795	-2.149589857
TRCN00001 00809	NM_009120. 1-158s1c1	20224	Sar1a	0.75751855 1	1.27745358 8	0.22963667 4	1.46005793 2	-0.086319383
TRCN00001 00830	NM_024436. 1-3139s1c1	19334	Rab22a	0.30892183 6	-1.20293764	3.88919412 7	0.81334923 7	-1.399139792
TRCN00001 00831	NM_024436. 1-341s1c1	19334	Rab22a	2.50082255 4	1.19156721 9	3.86913938 3	2.27052466 9	-1.207602179

TRCN00001 00832	NM_024436. 1-593slc1	19334	Rab22a	1.10494234 3	1.36877840 5	3.20400781 3	3.40827436 7	-2.271500732
TRCN00001 00833	NM_024436. 1-431slc1	19334	Rab22a	-0.56868254	1.54807117 8	3.88919412 7	3.40827436 7	-2.353555553
TRCN00001 00834	NM_024436. 1-655slc1	19334	Rab22a	0.39173138 3	1.05837674 3	3.92234374 5	0.45928068 1	-0.732879075
TRCN00001 00926	NM_019718. 2-326slc1	56350	Arl3	0.02640243 9	1.36877840 5	3.83539553 5	3.40827436 7	-2.159712687
TRCN00001 00927	NM_019718. 2-562slc1	56350	Arl3	0.20168987 9	5.34250128 8	3.83539553 5	-3.09784689	-3.018513459
TRCN00001 00928	NM_019718. 2-366slc1	56350	Arl3	3.22303454 1	1.36877840 5	3.83539553 5	3.40827436 7	-2.958870712
TRCN00001 01130	NM_008768. 1-386slc1	18405	Orm1	1.21968983 1	3.81083243 4	4.00715638 7	3.21811263	0.450524712
TRCN00001 01133	NM_008768. 1-375slc1	18405	Orm1	2.35870503 5	0.43153007 9	3.27385230 6	1.40793588 8	-0.68865331
TRCN00001 01134	NM_008768. 1-169slc1	18405	Orm1	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00001 01140	NM_008529. 2-863slc1	17069	Ly6e	1.28498974 7	1.36877840 5	3.97614233 7	0.03491453 6	-1.666206256
TRCN00001 01141	NM_008529. 2-401slc1	17069	Ly6e	0.33121249 3	0.38311730 3	3.88919412 7	1.86200924 5	-1.450777046
TRCN00001 01142	NM_008529. 2-191slc1	17069	Ly6e	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 01143	NM_008529. 2-198slc1	17069	Ly6e	-1.16143818	1.36877840 5	5.65233886 9	-6.60981688	-3.698093084
TRCN00001 01144	NM_008529. 2-255slc1	17069	Ly6e	0.51247138 2	1.36877840 5	4.00525930 7	-4.17516636	-2.515418864
TRCN00001 01260	NM_028450. 1-1854slc1	70676	Gulp1	3.23201017 9	1.36877840 5	3.78353119 7	8.09182658 7	-4.119036592
TRCN00001 01261	NM_028450. 1-274slc1	70676	Gulp1	2.76362325 1	2.00767720 1	6.60306687 3	5.29592566 8	-4.167573248
TRCN00001 01262	NM_028450. 1-273slc1	70676	Gulp1	-2.71095338	2.00737267 4	6.60012649 2	5.27101767 8	-4.147367556
TRCN00001 01263	NM_028450. 1-803slc1	70676	Gulp1	0.07004829 4	0.21593894 6	0.33613813 1	4.35455118 8	-1.24416914
TRCN00001 01264	NM_028450. 1-804slc1	70676	Gulp1	1.20453949 6	0.69821974 8	0.37767126 9	4.13643404 7	-1.255106266
TRCN00001 01430	NM_021891. 2-2285slc1	60530	Fig1l	1.94362755 1	2.39330609 8	0.29038432 6	1.26331360 2	-1.327465731
TRCN00001 01431	NM_021891. 2-1133slc1	60530	Fig1l	0.48192930 7	1.11050781 4	3.85589613 2	4.48127318 8	-2.48240161
TRCN00001 01432	NM_021891. 2-2009slc1	60530	Fig1l	-0.24019477	1.36877840 5	3.88919412 7	3.24472727 6	-2.185723645
TRCN00001 01433	NM_021891. 2-1426slc1	60530	Fig1l	0.11522245 1	4.02169529 4	0.72557879 7	5.55199873 4	-0.592776172

TRCN00001 01434	NM_021891. 2-1335s1c1	60530	Fig1l	2.40466436 9	0.64327250 6	0.16197643 3	1.69426483 7	-1.14505632
TRCN00001 01520	NM_153389. 2-4711s1c1	231287	Atp10d	0.85274498 8	1.36877840 5	3.97614233 7	2.12112686 9	-1.653325656
TRCN00001 01521	NM_153389. 2-2769s1c1	231287	Atp10d	2.69948997 9	1.36877840 5	3.97614233 7	0.15755558 6	-1.971713784
TRCN00001 01522	NM_153389. 2-4186s1c1	231287	Atp10d	0.84905941 6	1.19156721 9	3.87047940 7	0.37035260 9	-1.385188358
TRCN00001 01523	NM_153389. 2-434s1c1	231287	Atp10d	0.89278147 5	2.37326545 6	2.30516964	-3.09784689	0.171951683
TRCN00001 01535	NM_011060. 1-2773s1c1	18601	Padi3	0.16218791 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.193659056
TRCN00001 01536	NM_011060. 1-1644s1c1	18601	Padi3	1.33686673 8	-0.90449399	0.28719988 5	7.55329512 1	-1.708430622
TRCN00001 01537	NM_011060. 1-529s1c1	18601	Padi3	0.73876199 1	0.89152777 5	1.72190266 4	2.93864896 4	-1.203329353
TRCN00001 01538	NM_011060. 1-531s1c1	18601	Padi3	1.88142185 1	1.03376155 7	4.23362715 2	3.09217377 9	-2.560246085
TRCN00001 01539	NM_011060. 1-979s1c1	18601	Padi3	0.17143870 5	1.03376155 7	4.41009144 1	2.95384321 2	-2.056564376
TRCN00001 01540	NM_133699. 1-900s1c1	68775	Atp6v1c2	0.72069388 2	1.36877840 5	3.97614233 7	3.40827436 7	-2.368472248
TRCN00001 01541	NM_133699. 1-461s1c1	68775	Atp6v1c2	1.78319729 6	4.01433755 8	0.97523791 1	1.74448684 8	-0.769452524
TRCN00001 01542	NM_133699. 1-1497s1c1	68775	Atp6v1c2	1.75436941 8	1.27745358 8	3.80721956 2	2.52836256 1	-2.341851282
TRCN00001 01543	NM_133699. 1-1004s1c1	68775	Atp6v1c2	2.12181568 4	1.27745358 8	2.19245835 5	3.24472727 6	-2.209113726
TRCN00001 01544	NM_133699. 1-328s1c1	68775	Atp6v1c2	1.72870717 2	1.36877840 5	1.37537507 5	2.62567687 4	-0.910280796
TRCN00001 01630	NM_016765. 1-1102s1c1	51793	Ddah2	2.18938937 3	1.27745358 8	3.83539553 5	2.96454824 4	-1.472001999
TRCN00001 01633	NM_016765. 1-528s1c1	51793	Ddah2	0.91949504 9	-1.46120823	3.88919412 7	3.40827436 7	-2.419542943
TRCN00001 01745	NM_133995. 1-1290s1c1	103149	Upb1	0.09740707 6	1.03376155 7	3.88919412 7	-3.09784689	-1.980848875
TRCN00001 01746	NM_133995. 1-707s1c1	103149	Upb1	1.55175515 1	1.27745358 8	3.97614233 7	3.40827436 7	-2.553406361
TRCN00001 01747	NM_133995. 1-1077s1c1	103149	Upb1	-3.14208959	1.26777149 7	1.98686355 4	-2.53050317	-2.231806953
TRCN00001 01748	NM_133995. 1-359s1c1	103149	Upb1	1.78657959 7	1.36877840 5	3.83539553 5	3.83375501 9	-1.812837341
TRCN00001 01749	NM_133995. 1-1080s1c1	103149	Upb1	0.27683141 9	1.14617152 7	4.36557502 4	5.66239276 1	-2.862742683
TRCN00001 01831	NM_011061. 1-267s1c1	18602	Padi4	0.01940022 3	1.11050781 4	3.83539553 5	3.40827436 7	-2.083694373

TRCN00001 01833	NM_011061. 1-1035s1c1	18602	Padi4	0.11614907 5	1.45165616 3	3.32336224 8	6.06858693 9	-2.739938606
TRCN00001 01834	NM_011061. 1-1293s1c1	18602	Padi4	1.38985367 7	1.36877840 5	0.07853895 9	3.24472727 6	-1.520474579
TRCN00001 01880	NM_144900. 1-3458s1c1	11928	Atp1a1	0.89041624 5	1.03376155 7	3.88919412 7	0.52817862 1	-1.585387638
TRCN00001 01881	NM_144900. 1-1615s1c1	11928	Atp1a1	2.76565511 5	1.54807117 8	3.09477725 5	1.98575845 3	-2.3485655
TRCN00001 01882	NM_144900. 1-936s1c1	11928	Atp1a1	1.73220132 3	1.60164777 3	2.52864888 7	0.01436782 9	-0.197708095
TRCN00001 01883	NM_144900. 1-406s1c1	11928	Atp1a1	3.74593034 2	5.55294811 2	3.56776005	2.44114789 6	0.733407481
TRCN00001 02045	NM_016714. 2-3580s1c1	18141	Nup50	-2.02859478	4.88303755 4	3.41685968 3	2.43719965 6	-3.191422918
TRCN00001 02046	NM_016714. 2-1590s1c1	18141	Nup50	2.13714242 1	1.86153884 5	3.97614233 7	-3.09784689	-1.699596413
TRCN00001 02047	NM_016714. 2-1034s1c1	18141	Nup50	1.13962452 4	1.27745358 8	3.91310098 5	2.96454824 4	-1.753869573
TRCN00001 02048	NM_016714. 2-1033s1c1	18141	Nup50	1.25080288 1	1.27745358 8	1.35121472 8	0.13810665 7	-0.935341135
TRCN00001 02049	NM_016714. 2-344s1c1	18141	Nup50	1.73220132 3	1.36877840 5	4.13573984 7	3.40827436 7	-2.661248486
TRCN00001 02091	NM_172776. 1-1155s1c1	236293	D630002G0 6Rik	0.09740707 6	-1.46120823	4.05814689 3	3.40827436 7	-2.207555604
TRCN00001 02092	NM_172776. 1-1156s1c1	236293	D630002G0 6Rik	0.37305510 8	1.45278870 3	3.83539553 5	3.26801146 4	-2.045785149
TRCN00001 02228	NM_008515. 1-993s1c1	16978	Lrrfip1	0.74139977 7	1.36877840 5	3.78353119 7	3.40827436 7	-2.325495937
TRCN00001 02229	NM_008515. 1-994s1c1	16978	Lrrfip1	0.61472762 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.320243631
TRCN00001 02320	NM_011317. 2-1585s1c1	20218	Khdrbs1	0.40577864 6	1.27745358 8	3.73346684 1	3.24472727 6	-1.962467265
TRCN00001 02321	NM_011317. 2-534s1c1	20218	Khdrbs1	0.51119147 9	6.18399938 4	2.47885301 7	4.91608160 9	-2.027509124
TRCN00001 02322	NM_011317. 2-1323s1c1	20218	Khdrbs1	0.69098464 5	0.94052571 5	1.79303531 6	2.31285297 1	-0.192339681
TRCN00001 02323	NM_011317. 2-1198s1c1	20218	Khdrbs1	0.21197557 4	6.34274170 8	4.72496265 7	10.7977173 9	-5.519349332
TRCN00001 02324	NM_011317. 2-792s1c1	20218	Khdrbs1	0.24590233 5	1.11050781 4	-5.87642202	2.43594551 7	-2.417194422
TRCN00001 02335	NM_133188. 1-1477s1c1	70248	Dazap1	3.33807029 2	0.04156921 3	1.76118379 8	2.51703406 7	-1.893679736
TRCN00001 02336	NM_133188. 1-471s1c1	70248	Dazap1	1.23647102 2	1.50997055 3	3.82041505 1	3.83375501 9	-2.600152911
TRCN00001 02338	NM_133188. 1-437s1c1	70248	Dazap1	0.63523570 2	4.72245130 9	3.59324846 6	3.15551386 4	-0.665386681

TRCN00001 02339	NM_133188. 1-729s1c1	70248	Dazap1	1.29419935 3	1.22380987 3	4.05814689 3	0.16148982 4	-1.072506549
TRCN00001 02385	NM_007968. 1-2036s1c1	14030	Ewsr1	0.38248926 5	1.36877840 5	3.88919412 7	3.40827436 7	-2.262184041
TRCN00001 02386	NM_007968. 1-1137s1c1	14030	Ewsr1	1.03469483 5	1.36877840 5	3.78353119 7	3.71818678 7	-2.476297806
TRCN00001 02387	NM_007968. 1-804s1c1	14030	Ewsr1	3.35451853 8	4.03764887 8	3.88919412 7	-3.99836582	-3.819931841
TRCN00001 02388	NM_007968. 1-1244s1c1	14030	Ewsr1	2.54482093 8	1.27745358 8	-0.03772699	-4.8491388	-2.177285079
TRCN00001 02782	NM_199013. 1-721s1c1	210145	Irgc1	0.01940022 3	1.36877840 5	3.78353119 7	3.40827436 7	-2.135295937
TRCN00001 02784	NM_199013. 1-720s1c1	210145	Irgc1	0.01940022 3	1.36877840 5	3.88919412 7	3.83375501 9	-2.268081832
TRCN00001 02955	NM_007390. 2-1704s1c1	11441	Chrna7	0.17141156 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.123708834
TRCN00001 02958	NM_007390. 2-377s1c1	11441	Chrna7	0.01940022 3	1.36877840 5	3.83539553 5	3.24472727 6	-2.107375248
TRCN00001 03041	NM_008166. 1-1793s1c1	14803	Grid1	-0.53672077	0.98395760 1	3.83539553 5	2.84253081 2	-2.04965118
TRCN00001 03042	NM_008166. 1-1794s1c1	14803	Grid1	0.16218791 7	0.82534563 1	3.78353119 7	3.24472727 6	-2.003948005
TRCN00001 03100	NM_010362. 1-854s1c1	14873	Gsto1	4.91280816 1	1.03376155 7	3.93919504 2	6.09708028 3	-3.995711261
TRCN00001 03101	NM_010362. 1-470s1c1	14873	Gsto1	0.68104847 7	1.36877840 5	0.36733418 5	2.52836256 1	-0.895856669
TRCN00001 03102	NM_010362. 1-244s1c1	14873	Gsto1	-0.24019477	1.36877840 5	3.73346684 1	3.40827436 7	-2.187678596
TRCN00001 03103	NM_010362. 1-763s1c1	14873	Gsto1	1.78592997 3	2.94647551 1	4.34623817 9	3.15551386 4	-3.058539382
TRCN00001 03104	NM_010362. 1-605s1c1	14873	Gsto1	0.39062786 3	5.75299430 3	2.16865772 9	4.72469828 8	-0.187433463
TRCN00001 03115	NM_020564. 1-1001s1c1	57429	Sult5a1	-0.25573512	1.03376155 7	3.88919412 7	0.37225419 7	-1.38773625
TRCN00001 03116	NM_020564. 1-674s1c1	57429	Sult5a1	0.38039882 7	1.36877840 5	3.88919412 7	0.52817862 1	-1.351438082
TRCN00001 03117	NM_020564. 1-205s1c1	57429	Sult5a1	0.55196564 4	2.59979448 4	1.42330910 4	5.78770989 8	-1.879040231
TRCN00001 03118	NM_020564. 1-244s1c1	57429	Sult5a1	0.01779056 6	1.27745358 8	3.88919412 7	3.40827436 7	-2.148178162
TRCN00001 03119	NM_020564. 1-673s1c1	57429	Sult5a1	0.02428441 9	1.36877840 5	3.88919412 7	0.10335770 8	-1.346403665
TRCN00001 03220	NM_010360. 1-449s1c1	14866	Gstm5	0.39002026 3	4.06736133 5	1.11865361 6	3.52332754 1	-2.274840689
TRCN00001 03221	NM_010360. 1-507s1c1	14866	Gstm5	1.09598394 4	5.82561571 6	1.38431710 5	2.89469552 7	-2.800153073

TRCN00001 03222	NM_010360. 1-720slc1	14866	Gstm5	-0.82285166	1.06335505 1	4.13671924 6	4.87958504 4	-2.72562775
TRCN00001 03223	NM_010360. 1-593slc1	14866	Gstm5	0.41605365 7	1.36877840 5	5.61099510 6	5.85697933 4	-3.105174797
TRCN00001 03224	NM_010360. 1-592slc1	14866	Gstm5	0.82677629 4	-1.46120823	5.44420236 6	5.17429237 8	-2.81323167
TRCN00001 03281	NM_010356. 2-389slc1	14859	Gsta3	4.04173220 5	1.36877840 5	3.63826679 6	3.40827436 7	-3.114262943
TRCN00001 03282	NM_010356. 2-311slc1	14859	Gsta3	2.77994282 3	1.36988341 4	3.97614233 7	3.40827436 7	-2.883560735
TRCN00001 03295	NM_008182. 2-305slc1	14858	Gsta2	2.40752810 6	0.64051391 9	5.81819350 5	0.12422367 9	-2.185502963
TRCN00001 03297	NM_008182. 2-653slc1	14858	Gsta2	2.21646292 8	1.36877840 5	2.98206728 5	3.40827436 7	-1.002862104
TRCN00001 03305	NM_174995. 1-508slc1	211666	Mgst2	3.22303454 1	1.36877840 5	3.83539553 5	3.40827436 7	-2.958870712
TRCN00001 03306	NM_174995. 1-326slc1	211666	Mgst2	0.24180442 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.106110618
TRCN00001 03307	NM_174995. 1-62slc1	211666	Mgst2	-0.96621179	-1.46120823	3.89360272 9	3.40827436 7	-2.432324279
TRCN00001 03308	NM_174995. 1-150slc1	211666	Mgst2	0.97632958 6	1.62019696 2	2.45026635 3	0.05172333 4	-0.049495882
TRCN00001 03309	NM_174995. 1-373slc1	211666	Mgst2	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 03355	NM_008185. 2-849slc1	14871	Gstt1	1.02275670 9	1.11050781 4	3.90241960 7	3.26801146 4	-2.325923899
TRCN00001 03356	NM_008185. 2-133slc1	14871	Gstt1	0.21737015 8	-0.24692441	0.33783616 6	0.66190118 5	-0.36600798
TRCN00001 03357	NM_008185. 2-427slc1	14871	Gstt1	0.24308082 8	0.96089254 1	3.91310098 5	2.37667271 7	-0.685100409
TRCN00001 03358	NM_008185. 2-135slc1	14871	Gstt1	0.10108968 2	1.19156721 9	0.44038078 6	1.63991191 8	-0.843237401
TRCN00001 03359	NM_008185. 2-760slc1	14871	Gstt1	0.82720038 2	1.36988341 4	1.72908682 9	2.84253081 2	-1.692175359
TRCN00001 03430	NM_010357. 1-297slc1	14860	Gsta4	0.03639032 2	1.27745358 8	4.15557313 4	-3.09784689	-2.141815984
TRCN00001 03431	NM_010357. 1-430slc1	14860	Gsta4	-3.54112482	-1.20293764	3.90241960 7	2.52836256 1	-2.793711157
TRCN00001 03432	NM_010357. 1-302slc1	14860	Gsta4	1.11820196 8	1.24355065 7	9.10397766 6	1.71273213 4	-3.294615606
TRCN00001 03433	NM_010357. 1-614slc1	14860	Gsta4	1.45044174 4	1.19156721 9	3.63826679 6	3.51667702 3	-2.449238196
TRCN00001 03434	NM_010357. 1-186slc1	14860	Gsta4	0.28988510 1	4.24368587 1	2.20651487 3	3.09418878 1	-2.313626106
TRCN00001 03780	NM_010882. 2-1295slc1	17984	Ndn	0.30892183 6	1.36877840 5	3.92234374 5	3.40827436 7	-2.09761867

TRCN00001 03783	NM_010882. 2-659s1c1	17984	Ndn	0.09740707 6	1.36877840 5	3.83539553 5	-3.09784689	-2.051153439
TRCN00001 04075	NM_144958. 2-1595s1c1	13681	Eif4a1	1.40778552 6	1.45674636 1	3.78353119 7	1.35557188 2	-1.323122801
TRCN00001 04076	NM_144958. 2-600s1c1	13681	Eif4a1	3.26235322 7	-1.46120823	1.42246315 4	2.52836256 1	-1.457365216
TRCN00001 04077	NM_144958. 2-195s1c1	13681	Eif4a1	2.11280207 7	3.06324698 2	3.88919412 7	3.40827436 7	-3.118379388
TRCN00001 04078	NM_144958. 2-84s1c1	13681	Eif4a1	2.27438904 7	5.45723965 1	3.88919412 7	2.86268030 8	-3.620875783
TRCN00001 04079	NM_144958. 2-1129s1c1	13681	Eif4a1	0.45109230 7	3.86925012 2	3.97614233 7	3.24472727 6	-2.659756857
TRCN00001 04142	NM_207635. 1-229s1c1	20088	Rps24	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 04144	NM_207635. 1-228s1c1	20088	Rps24	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 04325	NM_026517. 1-228s1c1	68028	Rpl2211	2.11041262 4	1.03376155 7	7.86273782 7	1.17952314 2	-2.456847217
TRCN00001 04326	NM_026517. 1-192s1c1	68028	Rpl2211	2.33125705 4	1.89814911 5	3.63826679 6	2.52836256 1	-1.649934324
TRCN00001 04327	NM_026517. 1-317s1c1	68028	Rpl2211	2.50539714 9	2.52935747 2	3.73346684 1	2.35145649 9	-1.515240754
TRCN00001 04328	NM_026517. 1-141s1c1	68028	Rpl2211	-0.70153275	1.27745358 8	5.30467665 3	3.99036479 2	-2.818506946
TRCN00001 04555	NM_028799. 1-2322s1c1	74176	Tgm5	0.65930592 7	1.36877840 5	3.97614233 7	3.40827436 7	-2.023472296
TRCN00001 04556	NM_028799. 1-1700s1c1	74176	Tgm5	4.75967742 9	1.19156721 9	3.97614233 7	0.42735393 9	-2.588685231
TRCN00001 04557	NM_028799. 1-694s1c1	74176	Tgm5	1.23586806 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.475528742
TRCN00001 04558	NM_028799. 1-1958s1c1	74176	Tgm5	0.20285475 4	2.36333279 2	0.71763454 2	0.71647918 3	-0.283018455
TRCN00001 04559	NM_028799. 1-1427s1c1	74176	Tgm5	0.36949086 4	1.36877840 5	3.92234374 5	0.93812541 3	-1.464939175
TRCN00001 04695	NM_134094. 2-2330s1c1	52589	Ncald	0.56870643 9	1.36877840 5	3.73346684 1	-1.92255741	-1.614024054
TRCN00001 04696	NM_134094. 2-501s1c1	52589	Ncald	0.61215098 4	1.19156721 9	4.29243958 7	3.52332754 1	-2.098795841
TRCN00001 04697	NM_134094. 2-693s1c1	52589	Ncald	1.82330383 4	1.49213059 7	0.68649747 8	1.21508895 9	0.961006478
TRCN00001 04698	NM_134094. 2-933s1c1	52589	Ncald	0.67432904 2	0.96266877 5	3.74476251 5	0.55189570 6	-1.48341401
TRCN00001 04699	NM_134094. 2-654s1c1	52589	Ncald	1.02644107 9	0.91085158	2.60007655 9	3.40827436 7	-1.530985106
TRCN00001 04785	NM_019686. 3-1239s1c1	56506	Cib2	1.88417865 1	0.82534563 1	3.73346684 1	2.62567687 4	-1.325077674

TRCN00001 04786	NM_019686. 3-488slc1	56506	Cib2	0.90466575 5	0.56241007 6	3.67987159 6	-3.09784689	-1.608865702
TRCN00001 04787	NM_019686. 3-371slc1	56506	Cib2	1.04247079 1	0.76810128 4	-3.03962133	0.13065853 4	-0.27459768
TRCN00001 04788	NM_019686. 3-539slc1	56506	Cib2	0.32836990 3	1.89774154 7	9.37266306 6	1.91289408 4	-2.429046377
TRCN00001 05045	NM_011636. 1-1075slc1	22038	Plscr1	0.90182191 9	2.34004978 1	-2.67674999	-3.2085634	-2.281796273
TRCN00001 05048	NM_011636. 1-767slc1	22038	Plscr1	0.01940022 3	1.36877840 5	3.83539553 5	1.36528826 5	-1.637515496
TRCN00001 05049	NM_011636. 1-278slc1	22038	Plscr1	1.78712595 4	1.36877840 5	3.88919412 7	2.19389277 7	-2.309747816
TRCN00001 05070	NM_207530. 2-2957slc1	64291	Osbp1a	0.30892183 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.075881618
TRCN00001 05071	NM_207530. 2-2191slc1	64291	Osbp1a	0.60889924 2	5.25261242 6	5.24140260 7	0.95365927 2	-2.709693766
TRCN00001 05072	NM_207530. 2-957slc1	64291	Osbp1a	1.02644107 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.423171995
TRCN00001 05074	NM_207530. 2-1790slc1	64291	Osbp1a	0.40854951 1	-0.53352013	4.50992653 6	3.03931451 5	-1.918552918
TRCN00001 05110	NM_024289. 1-3876slc1	79196	Osbp15	1.33054523 5	4.41040770 5	0.98623006 6	1.01169472 7	-1.42887207
TRCN00001 05111	NM_024289. 1-548slc1	79196	Osbp15	2.03879758 9	1.36877840 5	3.97614233 7	3.24472727 6	-2.657111402
TRCN00001 05112	NM_024289. 1-2045slc1	79196	Osbp15	0.39311123 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.068283916
TRCN00001 05113	NM_024289. 1-2460slc1	79196	Osbp15	0.09010347 4	1.36877840 5	3.90241960 7	1.26345258 4	-1.024462226
TRCN00001 05180	NM_133774. 2-979slc1	170459	Stard4	2.07570285 6	1.36877840 5	3.83539553 5	-3.09784689	-2.594430922
TRCN00001 05181	NM_133774. 2-530slc1	170459	Stard4	0.02531235 3	1.36877840 5	4.15557313 4	0.40411649 8	-1.286386849
TRCN00001 05182	NM_133774. 2-216slc1	170459	Stard4	1.69458374 5	1.36877840 5	5.17042351 7	2.96454824 4	-1.952291605
TRCN00001 05183	NM_133774. 2-692slc1	170459	Stard4	0.01940022 3	1.36877840 5	3.73346684 1	-3.09784689	-2.045172978
TRCN00001 05184	NM_133774. 2-435slc1	170459	Stard4	2.21768744 1	1.36877840 5	3.88919412 7	2.52836256 1	-1.392161913
TRCN00001 05185	NM_024406. 1-458slc1	11770	Fabp4	1.05648173 9	1.36877840 5	-4.15916411	-3.24012653	-2.456137696
TRCN00001 05186	NM_024406. 1-409slc1	11770	Fabp4	1.02644107 9	1.28399704 4	3.88919412 7	3.39002889 5	-2.397415286
TRCN00001 05187	NM_024406. 1-158slc1	11770	Fabp4	1.22783469 7	1.36877840 5	4.68945004 6	-3.99836582	-2.821107242
TRCN00001 05189	NM_024406. 1-396slc1	11770	Fabp4	1.73211363 6	1.19156721 9	3.88919412 7	-1.80390019	-1.288136975

TRCN00001 05402	XM_359383. 1-208slc1	74438	4933402J24 Rik	0.01940022 3	-1.46120823	3.88919412 7	3.24472727 6	-2.143932353
TRCN00001 05404	XM_359383. 1-216slc1	74438	4933402J24 Rik	0.01940022 3	1.27745358 8	3.83539553 5	2.84253081 2	-1.983994928
TRCN00001 05430	NM_015749. 1-165slc1	21452	Tcn2	3.19958363 2	5.07196318 1	4.63082697 6	0.68638657 2	-0.518015214
TRCN00001 05431	NM_015749. 1-758slc1	21452	Tcn2	3.24558837 6	-1.46120823	3.59379665 9	0.59105367 3	-1.927384898
TRCN00001 05432	NM_015749. 1-1276slc1	21452	Tcn2	0.06526465 3	1.19156721 9	-4.1138207	1.52261217 4	-1.723316187
TRCN00001 05433	NM_015749. 1-672slc1	21452	Tcn2	2.27567352 6	1.95144321 2	6.67740755 8	1.01066440 2	-2.473464974
TRCN00001 05434	NM_015749. 1-671slc1	21452	Tcn2	3.37426167 4	5.45424028 9	8.05156112 1	1.50672648 3	-3.84333415
TRCN00001 05600	NM_013593. 2-667slc1	17189	Mb	3.40148574 8	3.73848302 3	1.38754017 8	0.87184797 7	-1.656069143
TRCN00001 05601	NM_013593. 2-477slc1	17189	Mb	2.53473016 5	1.27745358 8	3.86913938 3	0.18681794	-1.873626299
TRCN00001 05602	NM_013593. 2-281slc1	17189	Mb	0.93832393 7	1.19156721 9	3.88919412 7	0.11152541 5	-1.476889967
TRCN00001 05695	XM_194109. 2-4793slc1	78908	Igsf3	1.80153977 3	1.36877840 5	3.67987159 6	2.84253081 2	-1.52241026
TRCN00001 05698	XM_194109. 2-115slc1	78908	Igsf3	0.25276232	1.36877840 5	3.83539553 5	3.40827436 7	-2.089921497
TRCN00001 05702	NM_175413. 1-1090slc1	109245	Lrrc39	0.24180442 7	1.36877840 5	3.88919412 7	3.24472727 6	-2.065223845
TRCN00001 05704	NM_175413. 1-498slc1	109245	Lrrc39	0.09740707 6	1.53867507 3	3.90241960 7	3.40827436 7	-2.187990493
TRCN00001 05737	NM_010949. 1-411slc1	18222	Numb	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 05738	NM_010949. 1-851slc1	18222	Numb	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 05815	NM_019466. 2-1388slc1	54720	Dscr1	0.67471847 7	5.74815877 9	3.32764566 4	-5.61609495	-1.840472397
TRCN00001 05816	NM_019466. 2-450slc1	54720	Dscr1	1.33849658 6	0.19264854 4	-2.96449062	5.64016552 8	-2.437626048
TRCN00001 05817	NM_019466. 2-112slc1	54720	Dscr1	0.75917989 2	2.71955560 6	4.06532505 1	0.06202217 3	1.521930735
TRCN00001 05819	NM_019466. 2-333slc1	54720	Dscr1	0.57239093 6	4.50138254 3	0.70185336 5	0.81807626 6	1.36223031
TRCN00001 05835	NM_198894. 1-4294slc1	109934	Abr	0.59054159 5	1.12619138 3	7.03120538 1	2.76597543 8	-2.583207652
TRCN00001 05836	NM_198894. 1-2519slc1	109934	Abr	0.08824838 4	1.19156721 9	-0.32763657	-1.01377329	-0.611182174
TRCN00001 05837	NM_198894. 1-2579slc1	109934	Abr	0.39023873 7	1.36877840 5	3.88919412 7	0.96429937 5	-1.458008293

TRCN00001 05875	NM_019653. 2-2075s1c1	78889	Wsb1	2.84420109 7	1.11050781 4	3.59292338 6	2.84253081 2	-2.597540777
TRCN00001 05876	NM_019653. 2-1099s1c1	78889	Wsb1	4.08205587 9	1.36877840 5	3.78353119 7	3.40827436 7	-3.160659962
TRCN00001 05877	NM_019653. 2-602s1c1	78889	Wsb1	3.50026154 6	1.19156721 9	-5.7116494	3.71818678 7	-3.530416238
TRCN00001 05878	NM_019653. 2-540s1c1	78889	Wsb1	0.06816102 8	0.96089254 1	0.35722698 5	0.60579310 4	-0.01650837
TRCN00001 05879	NM_019653. 2-181s1c1	78889	Wsb1	0.29861198 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.078459081
TRCN00001 06035	NM_028818. 1-3363s1c1	74206	2610511M1 7Rik	0.41323498 3	1.78594969 1	8.16484711 4	2.52871411 3	-3.016568984
TRCN00001 06036	NM_028818. 1-592s1c1	74206	2610511M1 7Rik	1.23465184 4	1.37085999 2	0.44578223 9	2.96454824 4	-1.50396058
TRCN00001 06037	NM_028818. 1-932s1c1	74206	2610511M1 7Rik	0.19516380 9	1.36988341 4	3.97614233 7	3.40827436 7	-2.139784077
TRCN00001 06038	NM_028818. 1-1122s1c1	74206	2610511M1 7Rik	0.90122865 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.369037684
TRCN00001 06039	NM_028818. 1-1119s1c1	74206	2610511M1 7Rik	0.82792586 4	1.03376155 7	3.83539553 5	3.59840310 8	-2.323871516
TRCN00001 06340	NM_198617. 1-1807s1c1	241732	Tspyl3	0.48975983 6	3.36799735 2	1.53651460 6	2.03723698 2	-1.612997276
TRCN00001 06341	NM_198617. 1-613s1c1	241732	Tspyl3	2.21280694 9	1.36877840 5	2.93080992 7	3.40827436 7	-1.373763938
TRCN00001 06342	NM_198617. 1-724s1c1	241732	Tspyl3	0.44166776 1	3.03935728 1	1.50559072 1	1.98575845 3	-0.990298194
TRCN00001 06343	NM_198617. 1-554s1c1	241732	Tspyl3	0.10553389 2	1.36877840 5	3.83539553 5	0.75611419 5	-1.516455507
TRCN00001 06370	NM_009396. 1-2406s1c1	21928	Tnfaip2	0.50593502 5	3.58312013 4	-3.21318497	7.21580570 5	-1.584983879
TRCN00001 06371	NM_009396. 1-1300s1c1	21928	Tnfaip2	0.85618578 5	1.36877840 5	1.64632950 6	3.83375501 9	-1.926262179
TRCN00001 06372	NM_009396. 1-1662s1c1	21928	Tnfaip2	1.40523757 3	1.05332236 6	-3.16065952	3.67020792 7	-1.61973806
TRCN00001 06373	NM_009396. 1-1659s1c1	21928	Tnfaip2	4.15934979 1	1.28399704 4	3.68508170 8	3.24472727 6	-3.093288955
TRCN00001 06374	NM_009396. 1-256s1c1	21928	Tnfaip2	1.98226326 4	1.36988341 4	2.38022582 6	3.89384834 4	-1.216442299
TRCN00001 06393	NM_009433. 2-863s1c1	22110	Tspyl1	0.01940022 3	1.36877840 5	4.35256303 9	3.40827436 7	-2.277553897
TRCN00001 06394	NM_009433. 2-299s1c1	22110	Tspyl1	0.17141156 4	1.36877840 5	3.83539553 5	3.24472727 6	-2.069372413
TRCN00001 06480	NM_146137. 2-4449s1c1	229715	Amigo1	-2.34280978	1.36988341 4	3.85403447 4	10.9025407 9	-4.617317115
TRCN00001 06481	NM_146137. 2-978s1c1	229715	Amigo1	2.03385116 4	0.08872365 9	1.15265444 2	3.24472727 6	0.007625497

TRCN00001 06482	NM_146137. 2-1396s1c1	229715	Amigo1	1.78442562 8	-1.46120823	3.88919412 7	3.40827436 7	-1.743562774
TRCN00001 06484	NM_146137. 2-1681s1c1	229715	Amigo1	1.95433639 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.655145825
TRCN00001 08505	NM_177152. 4-3727s1c1	320398	Lrig3	0.83275077 3	0.51556928 8	2.30972865 3	4.44675059 7	-2.026199828
TRCN00001 08506	NM_177152. 4-693s1c1	320398	Lrig3	2.25168989 5	2.67644148 3	1.02737410 7	3.27092135 8	-2.306606711
TRCN00001 08507	NM_177152. 4-3283s1c1	320398	Lrig3	1.82894529 6	-1.46120823	2.84937625 9	2.96454824 4	-2.276019507
TRCN00001 08508	NM_177152. 4-863s1c1	320398	Lrig3	3.96416582 9	0.28268288 8	3.86943791 8	5.10607858 3	-3.305591305
TRCN00001 08509	NM_177152. 4-3012s1c1	320398	Lrig3	0.25725556 1	0.54955613 3	3.23753339 7	4.06454029 9	-2.027221348
TRCN00001 08510	NM_011983. 1-1178s1c1	26557	Homer2	0.93748194 2	-2.48231422	5.32410558 6	4.51976113 1	-3.31591572
TRCN00001 08511	NM_011983. 1-982s1c1	26557	Homer2	1.67030683 7	1.36877840 5	0.36733418 5	-1.92255741	-1.332244209
TRCN00001 08512	NM_011983. 1-253s1c1	26557	Homer2	0.40775178 5	1.36877840 5	3.88919412 7	-3.09784689	-2.190892802
TRCN00001 08513	NM_011983. 1-160s1c1	26557	Homer2	0.23676275 7	1.89033887 3	3.83539553 5	-4.42908562	-2.597895696
TRCN00001 08530	NM_010733. 2-2977s1c1	16981	Lrrn3	0.59176365 9	2.06731817 9	1.37360343 5	-4.61154808	-1.127399249
TRCN00001 08531	NM_010733. 2-1665s1c1	16981	Lrrn3	4.00516288 8	1.36988341 4	4.17376445 5	8.61100893 9	-4.539954924
TRCN00001 08532	NM_010733. 2-626s1c1	16981	Lrrn3	0.76230009 9	3.99769732	7.88382225 8	4.26771009 6	-2.229033783
TRCN00001 08534	NM_010733. 2-1183s1c1	16981	Lrrn3	1.46175126 9	1.36877840 5	3.43842542 6	-3.09784689	-2.341700498
TRCN00001 08590	NM_133772. 1-154s1c1	76900	Ssbp4	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 08594	NM_133772. 1-885s1c1	76900	Ssbp4	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 08595	NM_024272. 2-1352s1c1	66970	Ssbp2	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 08598	NM_024272. 2-530s1c1	66970	Ssbp2	0.86422778 5	1.12619138 3	3.95844439 5	3.52332754 1	-1.935933884
TRCN00001 08660	NM_009416. 2-1276s1c1	22004	Tpm2	1.18062918 8	1.11050781 4	3.92234374 5	1.45188272 5	-1.326026274
TRCN00001 08661	NM_009416. 2-665s1c1	22004	Tpm2	0.99047595 1	1.27745358 8	3.82041505 1	-3.09784689	-2.29654787
TRCN00001 08662	NM_009416. 2-500s1c1	22004	Tpm2	0.37613220 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.260594777
TRCN00001 08664	NM_009416. 2-861s1c1	22004	Tpm2	1.99352444 7	1.27745358 8	3.76187615 2	0.00454720 2	-1.757076746

TRCN00001 08680	NM_145575. 1-1934s1c1	109624	Cald1	1.62641157 2	2.54554109 1	4.30028121 5	1.34778638 3	-1.781111874
TRCN00001 08682	NM_145575. 1-1376s1c1	109624	Cald1	0.58756163 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.006221668
TRCN00001 08683	NM_145575. 1-1495s1c1	109624	Cald1	1.08000849 9	0.42400646 4	3.39703310 4	-3.09784689	-1.999723739
TRCN00001 08684	NM_145575. 1-826s1c1	109624	Cald1	2.36184832 2	0.19816957 9	0.54337105 6	1.20100978 8	-0.104824475
TRCN00001 08850	NM_016798. 2-1336s1c1	53318	Pdim3	1.89499116 9	3.04999085 7	1.73781773 6	0.21965933 5	1.615785107
TRCN00001 08851	NM_016798. 2-516s1c1	53318	Pdim3	2.89232953 9	1.19156721 9	3.70031815 2	2.55379300 8	0.138559294
TRCN00001 08852	NM_016798. 2-480s1c1	53318	Pdim3	3.19663451 9	1.36877840 5	4.10370879 6	3.24472727 6	-2.978462249
TRCN00001 08853	NM_016798. 2-914s1c1	53318	Pdim3	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 08854	NM_016798. 2-536s1c1	53318	Pdim3	1.32420440 4	1.27745358 8	3.73346684 1	3.24472727 6	-1.732860825
TRCN00001 08920	NM_153128. 1-2052s1c1	240756	Klh12	0.16012242 3	1.25220456 2	6.35314032 7	3.69221362 7	-2.158256742
TRCN00001 08921	NM_153128. 1-1189s1c1	240756	Klh12	0.25757416 8	1.19156721 9	3.66969694 8	6.94579892 3	-2.887372231
TRCN00001 08922	NM_153128. 1-840s1c1	240756	Klh12	4.78946457 4	1.54807117 8	2.14534381 5	7.21073897 4	-3.923404635
TRCN00001 08924	NM_153128. 1-1673s1c1	240756	Klh12	0.11562101 9	1.36877840 5	3.88919412 7	3.24472727 6	-2.096769697
TRCN00001 08925	NM_007984. 1-1593s1c1	14086	Fscn1	0.83973599 2	1.07470061 4	4.00715638 7	3.08341637 4	-2.251252342
TRCN00001 08926	NM_007984. 1-978s1c1	14086	Fscn1	2.52909541 8	1.36877840 5	3.88919412 7	-3.09784689	-2.72122871
TRCN00001 08927	NM_007984. 1-1299s1c1	14086	Fscn1	0.10642504 6	1.36877840 5	4.08194125 4	0.38601737 5	-1.48579052
TRCN00001 08929	NM_007984. 1-1449s1c1	14086	Fscn1	0.74655590 2	2.23325131 3	0.57303983 2	0.10335770 8	-0.254253322
TRCN00001 08940	NM_133786. 3-902s1c1	70099	Smc4	0.85271584 7	1.00058600 4	0.03614307 9	3.46794871 5	-0.394625946
TRCN00001 08944	NM_133786. 3-1108s1c1	70099	Smc4	-0.18739782	0.64327250 6	1.75754157 7	2.62540213 4	-1.303403509
TRCN00001 09335	NM_009980. 2-1807s1c1	13017	Ctbp2	0.41476172 7	2.51792123 2	-1.81916529	2.03723698 2	-0.438310692
TRCN00001 09336	NM_009980. 2-1045s1c1	13017	Ctbp2	2.20580196 5	-4.96164315	3.84670375 8	0.85250765 3	-2.966664132
TRCN00001 09337	NM_009980. 2-1339s1c1	13017	Ctbp2	2.62924302 4	0.54415934 6	-5.10381611	-8.32916414	-4.151595655
TRCN00001 09338	NM_009980. 2-1016s1c1	13017	Ctbp2	0.31287644 4	1.27745358 8	3.30634186 7	3.40827436 7	-1.919798345

TRCN00001 09340	NM_030732. 2-2319s1c1	81004	Tbl1xr1	0.05152243 1	1.14018531 3	5.00032989 3	3.90029872 8	-2.497322876
TRCN00001 09341	NM_030732. 2-365s1c1	81004	Tbl1xr1	0.50091303 7	0.36754725 1	0.48506916	6.76386242 6	-1.786813389
TRCN00001 09342	NM_030732. 2-1537s1c1	81004	Tbl1xr1	1.58729263 7	1.11050781 4	3.83539553 5	2.62567687 4	-2.289718215
TRCN00001 09343	NM_030732. 2-1140s1c1	81004	Tbl1xr1	0.01940022 3	1.27745358 8	3.83539553 5	-4.42908562	-2.38063363
TRCN00001 09344	NM_030732. 2-697s1c1	81004	Tbl1xr1	0.26960298 6	2.33983770 6	3.55937245 4	3.83375501 9	0.448963039
TRCN00001 09410	NM_007615. 1-3996s1c1	12388	Ctnnd1	0.24180442 7	1.27745358 8	3.88919412 7	3.40827436 7	-2.083279414
TRCN00001 09412	NM_007615. 1-2545s1c1	12388	Ctnnd1	0.43445834 2	1.36877840 5	3.73346684 1	3.40827436 7	-2.019015318
TRCN00001 09440	NM_021495. 1-2003s1c1	58998	Pvr13	0.55435245 3	4.19399121 2	3.88919412 7	3.85148543 3	-2.84507958
TRCN00001 09441	NM_021495. 1-1165s1c1	58998	Pvr13	1.89037778 9	1.28399704 4	3.72521500 6	3.40827436 7	-2.576966052
TRCN00001 09442	NM_021495. 1-639s1c1	58998	Pvr13	1.77361634 7	1.27745358 8	3.77202991 8	3.40827436 7	-1.671035382
TRCN00001 09444	NM_021495. 1-1127s1c1	58998	Pvr13	1.18829968 5	0.89152777 5	3.83539553 5	3.24472727 6	-1.695837725
TRCN00001 09650	NM_011821. 1-2244s1c1	23888	Gpc6	0.85704924 4	1.14018531 3	0.83876599 5	6.83903614 3	-2.418759174
TRCN00001 09651	NM_011821. 1-881s1c1	23888	Gpc6	2.52896428 1	1.36877840 5	3.83539553 5	0.97737635 8	-2.177628645
TRCN00001 09652	NM_011821. 1-1327s1c1	23888	Gpc6	0.35472520 4	0.98395760 1	3.00464193 8	1.00964811 3	0.846264414
TRCN00001 09653	NM_011821. 1-591s1c1	23888	Gpc6	0.38579112 9	4.89393475 8	1.42733039 2	-6.8775635	-2.682489749
TRCN00001 09665	NM_010217. 1-2079s1c1	14219	Ctgf	2.37695293 9	1.36877840 5	0.33031354 6	2.62567687 4	-1.510273668
TRCN00001 09666	NM_010217. 1-572s1c1	14219	Ctgf	0.58375245 5	1.36877840 5	3.88919412 7	3.24472727 6	-1.979736838
TRCN00001 09667	NM_010217. 1-1239s1c1	14219	Ctgf	0.03513684 3	1.36877840 5	0.59425150 5	1.28359843 8	-0.820441298
TRCN00001 09668	NM_010217. 1-789s1c1	14219	Ctgf	2.26731077 9	0.04511734 7	0.72987289 2	0.59214871 9	0.886053761
TRCN00001 09669	NM_010217. 1-1041s1c1	14219	Ctgf	0.27464693 2	1.19156721 9	0.30529972 2	6.62714440 8	-1.962341104
TRCN00001 10025	NM_017402. 2-3146s1c1	54126	Arhgef7	3.36952724 4	0.79082028 5	1.58324619 2	-11.3339326	-3.873971438
TRCN00001 10026	NM_017402. 2-1997s1c1	54126	Arhgef7	7.18000602 1	6.10465185 6	3.83255496 9	2.48757444 7	-1.741132115
TRCN00001 10151	NM_133962. 3-2551s1c1	102098	Arhgef18	0.90172209 1	-1.46120823	3.95248396 3	2.84253081 2	-2.289486274

TRCN00001 10152	NM_133962. 3-1414s1c1	102098	Arhgef18	1.35849326 2	- 1.27745358 8	- 3.79550750 3	- 3.89669703 6	-1.902791216
TRCN00001 10153	NM_133962. 3-3192s1c1	102098	Arhgef18	1.18888039 6	- 0.98395760 1	- 0.37397768 9	- 1.62104229 2	-0.85497565
TRCN00001 10154	NM_133962. 3-613s1c1	102098	Arhgef18	1.16057451 2	- 1.36877840 5	- 0.52268797 2	- 0.33199124 9	-0.68001241
TRCN00001 10201	NM_177828. 2-605s1c1	328967	4933429F0 8Rik	0.47806141 1	- 0.22853301 9	- 0.46261258 6	- 0.27632347 6	-0.247116114
TRCN00001 10202	NM_177828. 2-771s1c1	328967	4933429F0 8Rik	4.43075440 4	- 1.54807117 8	- 3.83539553 5	- -3.09784689	-1.0126398
TRCN00001 10203	NM_177828. 2-693s1c1	328967	4933429F0 8Rik	2.65169656 3	- 1.36877840 5	- 3.83539553 5	- 3.83375501 9	-1.596558099
TRCN00001 10204	NM_177828. 2-1517s1c1	328967	4933429F0 8Rik	0.03639032 2	- -1.46120823	- 3.92234374 5	- -3.09784689	-2.129447297
TRCN00001 10370	NM_016888. 4-1816s1c1	53625	B3gnt2	1.32873236 1	- 1.36877840 5	- 0.04788828 6	- 0.35129378 5	-0.750229066
TRCN00001 10371	NM_016888. 4-584s1c1	53625	B3gnt2	0.33681522 2	- 3.92985412 2	- 3.54896178 4	- 2.09678737 4	0.535216123
TRCN00001 10372	NM_016888. 4-633s1c1	53625	B3gnt2	0.62719900 7	- 0.20424139 5	- 4.42423496 4	- 7.86029548 9	-3.278992714
TRCN00001 10373	NM_016888. 4-585s1c1	53625	B3gnt2	0.24908356 3	- 3.85362074 2	- 3.78353119 7	- 2.62567687 4	-0.701167723
TRCN00001 10374	NM_016888. 4-338s1c1	53625	B3gnt2	0.68183032 4	- 0.70144729 1	- 2.61450908 8	- 2.35769790 7	-0.410022199
TRCN00001 10510	NM_0010253 07.1- 1660s1c1	20908	Stx3	2.26527964 5	- 4.57708621 1	- 3.67113063 6	- 9.11070672 3	-2.617507698
TRCN00001 10512	NM_0010253 07.1- 1138s1c1	20908	Stx3	2.66791477 7	- 1.27745358 8	- 4.42423496 4	- 3.40827436 7	-2.944469424
TRCN00001 10514	NM_0010253 07.1- 1489s1c1	20908	Stx3	1.93574712 8	- 1.28399704 4	- 1.03675490 9	- 3.39002889 5	-1.911631994
TRCN00001 10520	NM_008662. 1-4432s1c1	17920	Myo6	0.33222767 4	- 1.28399704 4	- 3.73996778 6	- 3.83375501 9	-2.297486881
TRCN00001 10521	NM_008662. 1-2713s1c1	17920	Myo6	4.33562476 1	- 1.27745358 8	- 4.53485062 8	- 1.40579846 6	-2.888431861
TRCN00001 10522	NM_008662. 1-960s1c1	17920	Myo6	0.36636633 5	- 0.91777545 7	- 2.15422140 1	- -3.8337335	-1.818024173
TRCN00001 10523	NM_008662. 1-3834s1c1	17920	Myo6	2.23399745 1	- 1.27745358 8	- 3.73346684 1	- 0.91119413	-0.466432212
TRCN00001 10524	NM_008662. 1-286s1c1	17920	Myo6	3.55986808 4	- 1.19156721 9	- 4.17496721 2	- 3.83375501 9	-3.190039384
TRCN00001 10540	NM_009497. 2-1494s1c1	22318	Vamp2	0.94132231 8	- -1.46120823	- 4.00434830 1	- 3.24472727 6	-2.412901531
TRCN00001 10541	NM_009497. 2-428s1c1	22318	Vamp2	0.25054241 4	- -1.20293764	- 5.56133557 3	- 0.39215269 1	-1.655665734
TRCN00001 10543	NM_009497. 2-374s1c1	22318	Vamp2	0.58128971 7	- 0.61082285 2	- 1.41506826 1	- 3.56363877 2	-1.542704901

TRCN00001 10544	NM_009497. 2-173slc1	22318	Vamp2	1.86534406 3	0.19717874 3	2.59485686 1	0.20798657 9	-1.013758901
TRCN00001 10575	NM_009222. 2-1014slc1	20619	Snap23	0.17141156 4	0.82256527 9	3.54896178 4	3.52332754 1	-1.93086076
TRCN00001 10577	NM_009222. 2-775slc1	20619	Snap23	0.01940022 3	1.11050781 4	3.88919412 7	3.24472727 6	-2.056257249
TRCN00001 10715	NM_009674. 1-1643slc1	11750	Anxa7	0.66687168 3	4.24970050 4	9.49718498 5	2.90996284 9	-4.330930005
TRCN00001 10716	NM_009674. 1-1237slc1	11750	Anxa7	1.23006325 9	2.96521227 9	-1.64446106	4.40046551 6	-1.077444389
TRCN00001 10717	NM_009674. 1-1132slc1	11750	Anxa7	0.01088586 3	2.10967455 6	2.34868056 3	0.84916393 9	-0.899576329
TRCN00001 10718	NM_009674. 1-1133slc1	11750	Anxa7	0.17291471 9	2.58318646 5	-2.09441113	0.83093988 1	-0.918435749
TRCN00001 10725	NM_013470. 1-1246slc1	11745	Anxa3	1.19506517 8	1.29963907 4	3.24266407 6	3.24472727 6	-2.245523901
TRCN00001 10727	NM_013470. 1-819slc1	11745	Anxa3	2.42295507 3	1.36877840 5	0.76162089 5	3.24472727 6	-0.357232428
TRCN00001 10728	NM_013470. 1-876slc1	11745	Anxa3	0.30529356 8	0.73570233 1	0.74784512 7	5.71736397 6	-1.876551251
TRCN00001 10766	NM_031176. 1-76slc1	81877	Tnxb	0.79770151 9	1.27745358 8	0.96411914 6	1.24442506 9	-1.070924831
TRCN00001 10768	NM_031176. 1-9444slc1	81877	Tnxb	1.06559458 8	1.36877840 5	4.00434830 1	0.74595690 7	-0.890393803
TRCN00001 10769	NM_031176. 1-7236slc1	81877	Tnxb	0.34286271 1	1.11050781 4	2.85325438 2	0.87184797 7	-1.123186866
TRCN00001 10896	NM_011166. 1-224slc1	19111	Prlpb	0.20893811 9	0.47483028 3	5.06399827 4	4.96397654 3	-2.677935805
TRCN00001 10897	NM_011166. 1-303slc1	19111	Prlpb	0.01940022 3	1.36877840 5	3.92234374 5	3.40827436 7	-2.169999074
TRCN00001 11047	NM_0010027 88.1-559slc1	442830	UNK	0.14957129 6	0.84465037 5	3.83613414 3	1.83341653 9	-1.59115744
TRCN00001 11061	NM_008576. 2-115slc1	17250	Abcc1	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00001 11062	NM_008576. 2-437slc1	17250	Abcc1	1.32594565 1	1.11050781 4	3.78353119 7	3.52332754 1	-2.435828051
TRCN00001 11063	NM_008576. 2-4195slc1	17250	Abcc1	0.12635728 9	-1.53454025	3.78463936 8	3.59093196 3	-2.259117218
TRCN00001 11064	NM_008576. 2-1299slc1	17250	Abcc1	0.33018341 5	1.28399704 4	3.88919412 7	3.24472727 6	-2.187025466
TRCN00001 11165	NM_015784. 1-2765slc1	50706	Postn	1.53800924 4	0.57405385 6	4.13573984 7	0.09293911 3	-1.538715959
TRCN00001 11166	NM_015784. 1-525slc1	50706	Postn	1.24595483 6	4.62030915 6	1.61417348 9	4.35434678 8	0.158545255
TRCN00001 11167	NM_015784. 1-1761slc1	50706	Postn	-0.34493362	1.36877840 5	4.08194125 4	8.28478014 2	-3.520108355

TRCN00001 11168	NM_015784. 1-1474s1c1	50706	Postn	1.45024125 6	-1.46120823	3.69229249 7	5.13124539 5	-2.208626217
TRCN00001 11169	NM_015784. 1-1222s1c1	50706	Postn	4.06085014 6	1.27745358 8	3.92234374 5	1.02778466 3	-2.058215704
TRCN00001 11171	NM_019636. 1-2311s1c1	57915	Tbc1d1	0.37305510 8	1.27745358 8	3.83539553 5	3.40827436 7	-2.037017096
TRCN00001 11174	NM_019636. 1-864s1c1	57915	Tbc1d1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 11210	NM_011521. 1-964s1c1	20971	Sdc4	-0.70924019	1.36877840 5	4.27942738 5	3.40827436 7	-2.441430087
TRCN00001 11213	NM_011521. 1-283s1c1	20971	Sdc4	1.02940586 5	0.32431314 7	3.73346684 1	-2.77693715	-1.803874177
TRCN00001 11214	NM_011521. 1-599s1c1	20971	Sdc4	1.06673354 3	3.40781980 4	9.20031279 2	2.96454824 4	-3.626486824
TRCN00001 11390	NM_016658. 1-1194s1c1	14430	Galt	1.97998537 1	1.27745358 8	3.87047940 7	0.09293911 3	-1.758744813
TRCN00001 11391	NM_016658. 1-1137s1c1	14430	Galt	0.01940022 3	1.91785641 7	3.95248396 3	3.40827436 7	-2.314803631
TRCN00001 11392	NM_016658. 1-440s1c1	14430	Galt	1.38115541 7	0.17151084 5	3.59292338 6	-4.42908562	-2.307913395
TRCN00001 11393	NM_016658. 1-720s1c1	14430	Galt	2.24233956 9	1.12619138 3	1.45886331 9	3.26801146 4	-2.023851434
TRCN00001 11394	NM_016658. 1-915s1c1	14430	Galt	2.08426341 7	2.79342292 7	8.51567251 7	7.32302370 9	-4.136963934
TRCN00001 11478	NM_175460. 3-875s1c1	226518	Nmnat2	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 11479	NM_175460. 3-654s1c1	226518	Nmnat2	0.03639032 2	1.27745358 8	3.67987159 6	3.40827436 7	-2.100497468
TRCN00001 11485	NM_008581. 1-2603s1c1	17276	Mela	1.68362807 8	1.45278870 3	6.97114875 8	5.21926174 8	-2.989892783
TRCN00001 11486	NM_008581. 1-2185s1c1	17276	Mela	0.50482045 1	5.77818533 2	7.70055157 7	5.51176459 9	-4.621420264
TRCN00001 11487	NM_008581. 1-1637s1c1	17276	Mela	0.29525615	1.11050781 4	8.17410116 1	1.22348269 8	-2.553208881
TRCN00001 11488	NM_008581. 1-538s1c1	17276	Mela	-2.33048899	1.36877840 5	4.00434830 1	3.24472727 6	-2.737085743
TRCN00001 11489	NM_008581. 1-1452s1c1	17276	Mela	0.40809965 4	6.28115223 5	1.58200699 4	8.03051868 6	-3.080391068
TRCN00001 11505	NM_033075. 2-2878s1c1	110956	D17H6S56 E-5	1.31315109 8	-1.46120823	-2.03256284	1.86200924 5	-1.667232853
TRCN00001 11506	NM_033075. 2-743s1c1	110956	D17H6S56 E-5	2.14884313 1	4.28853182 2	5.85276365 3	1.86200924 5	-1.393771052
TRCN00001 11507	NM_033075. 2-1447s1c1	110956	D17H6S56 E-5	1.12761655 3	1.11050781 4	2.19686130 4	4.53031856 5	-2.241326059
TRCN00001 11508	NM_033075. 2-1782s1c1	110956	D17H6S56 E-5	1.22671518 2	1.58184819 1	3.97614233 7	3.40827436 7	-1.143963333

TRCN00001 11509	NM_033075. 2-1608s1c1	110956	D17H6S56 E-5	0.18362409 8	1.36877840 5	3.20519473 5	3.31002660 6	-1.925093912
TRCN00001 11625	NM_177333. 2-1099s1c1	211446	Exoc3	1.13214039	1.36877840 5	4.10370879 6	3.24472727 6	-1.896268522
TRCN00001 11626	NM_177333. 2-1531s1c1	211446	Exoc3	3.78240883 2	1.19156721 9	3.82041505 1	3.40827436 7	-3.050666367
TRCN00001 11627	NM_177333. 2-1401s1c1	211446	Exoc3	0.28694152 7	0.91777545 7	5.00045279 4	8.14374301 4	-3.587228198
TRCN00001 11628	NM_177333. 2-717s1c1	211446	Exoc3	0.72462300 4	1.36988341 4	1.19527404 2	-3.09784689	-1.596906838
TRCN00001 11629	NM_177333. 2-1910s1c1	211446	Exoc3	0.36564615 4	2.31461131 3	4.05814689 3	3.40827436 7	-2.536669682
TRCN00001 11941	NM_145973. 2-708s1c1	269344	Ell3	0.28694497 2	1.27745358 8	4.79199692 4	3.24472727 6	-2.40028069
TRCN00001 11942	NM_145973. 2-1197s1c1	269344	Ell3	1.34744444 9	1.36877840 5	3.92234374 5	0.20107190 4	-1.709909626
TRCN00001 11943	NM_145973. 2-1196s1c1	269344	Ell3	1.37401216 2	1.36877840 5	4.00434830 1	0.21037883 2	-1.634190009
TRCN00001 11944	NM_145973. 2-1116s1c1	269344	Ell3	2.88098876 3	1.36877840 5	3.73346684 1	0.27037083 1	-2.06340121
TRCN00001 11955	NM_194262. 1-5028s1c1	94246	Arid4b	0.43445834 2	1.27745358 8	3.83539553 5	3.40827436 7	-2.021666287
TRCN00001 11957	NM_194262. 1-3990s1c1	94246	Arid4b	0.30892183 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.075881618
TRCN00001 11958	NM_194262. 1-1006s1c1	94246	Arid4b	0.15372800 5	1.27745358 8	3.88919412 7	3.40827436 7	-2.182162522
TRCN00001 11975	NM_133218. 1-3127s1c1	170753	Zfp704	1.88273021 9	5.99931101	1.21119432 8	6.00388721 4	-0.774625188
TRCN00001 11976	NM_133218. 1-1985s1c1	170753	Zfp704	1.81931276 8	0.94917106 3	4.02850005 4	-3.09784689	-1.999122162
TRCN00001 11977	NM_133218. 1-1012s1c1	170753	Zfp704	0.35487607 3	4.48675767 6	1.23699458 3	6.25608138 7	-0.840298592
TRCN00001 11978	NM_133218. 1-846s1c1	170753	Zfp704	0.12786345 1	4.92818612 8	6.00121881 6	2.52546496 3	-3.39568334
TRCN00001 11979	NM_133218. 1-1524s1c1	170753	Zfp704	2.30322666 8	0.22488435 9	3.73346684 1	3.24472727 6	-2.264134107
TRCN00001 12050	NM_019796. 2-1858s1c1	56403	Syncrip	0.24398014 5	1.12619138 3	-7.22531667	1.94052484 9	-2.634003262
TRCN00001 12051	NM_019796. 2-1013s1c1	56403	Syncrip	0.28275254 6	1.14346327 7	0.08723248 1	5.72099999 1	-1.236880435
TRCN00001 12053	NM_019796. 2-260s1c1	56403	Syncrip	0.49941640 6	5.41427377 7	4.40708020 5	4.19469371 3	-3.628866025
TRCN00001 12054	NM_019796. 2-1141s1c1	56403	Syncrip	0.22662508 9	5.52839993 2	2.64035681 5	5.32184831 6	-3.429307538
TRCN00001 12295	NM_011348. 1-3491s1c1	20349	Sema3e	1.48761063 6	1.11050781 4	3.92234374 5	2.73003321 3	-2.312623852

TRCN00001 12296	NM_011348. 1-1576s1c1	20349	Sema3e	0.92790369	3.14140819 4	3.09032163 2	6.37358011 4	-3.38330341
TRCN00001 12297	NM_011348. 1-1989s1c1	20349	Sema3e	2.59631003 5	1.27745358 8	3.83539553 5	-3.09784689	-2.701751512
TRCN00001 12298	NM_011348. 1-837s1c1	20349	Sema3e	0.68265292 8	1.27745358 8	8.60161600 5	2.66341802 9	-1.633249659
TRCN00001 12299	NM_011348. 1-2421s1c1	20349	Sema3e	2.28310569 7	1.54807117 8	4.52989789 3	3.24472727 6	-2.901450511
TRCN00001 12345	NM_008409. 2-1204s1c1	16431	Itm2a	1.77807928 3	1.36877840 5	3.83539553 5	1.69426483 7	-1.280089874
TRCN00001 12346	NM_008409. 2-559s1c1	16431	Itm2a	0.47431748 5	-1.20293764	3.93162742 7	3.40827436 7	-2.25428923
TRCN00001 12347	NM_008409. 2-635s1c1	16431	Itm2a	2.11153889 2	4.94581713 7	4.03195642 6	-2.26662114	-3.338983399
TRCN00001 12348	NM_008409. 2-661s1c1	16431	Itm2a	0.78791121 3	1.97444816 3	0.23342775 7	6.76744923 4	-1.336871132
TRCN00001 12349	NM_008409. 2-763s1c1	16431	Itm2a	0.41873999 4	0.89152777 5	-2.26893342	5.72325199 2	-2.325613295
TRCN00001 12350	NM_028876. 1-1938s1c1	73130	Tmed5	0.53155049 6	0.36157789 8	3.70557741 4	3.68032708 8	-1.888969275
TRCN00001 12351	NM_028876. 1-680s1c1	73130	Tmed5	0.13950219 6	1.36988341 4	3.47498257 6	1.66633815 4	-1.592925487
TRCN00001 12352	NM_028876. 1-715s1c1	73130	Tmed5	0.69541412 7	1.36877840 5	6.18580395 7	0.40772030 2	-1.960569047
TRCN00001 12353	NM_028876. 1-531s1c1	73130	Tmed5	-0.60138469	-1.46120823	3.78353119 7	5.45293039 7	-2.824763629
TRCN00001 12354	NM_028876. 1-255s1c1	73130	Tmed5	0.03490427 6	1.11050781 4	4.29243958 7	1.79076891 6	-1.78970301
TRCN00001 12415	NM_008379. 2-2836s1c1	16211	Kpnb1	0.01940022 3	1.26445737 6	3.50630025 6	3.40827436 7	-1.407679256
TRCN00001 12416	NM_008379. 2-2078s1c1	16211	Kpnb1	0.02929594 4	2.40901542 2	4.27897056 2	1.40656097	-1.313032268
TRCN00001 12417	NM_008379. 2-1265s1c1	16211	Kpnb1	2.78261482 2	-1.20293764	6.78585235 8	3.02416321 3	-3.448892008
TRCN00001 12418	NM_008379. 2-1229s1c1	16211	Kpnb1	0.67603382 9	4.93427543 5	1.66222566 5	1.39399517 3	0.300505192
TRCN00001 12419	NM_008379. 2-1519s1c1	16211	Kpnb1	2.36669731 3	5.35118874 6	0.64833900 7	1.15945052 9	-1.477524131
TRCN00001 12655	NM_198093. 2-1227s1c1	140580	Elmo1	0.27904940 5	0.91777545 7	2.38765345 5	3.39002889 5	-1.743626803
TRCN00001 12656	NM_198093. 2-686s1c1	140580	Elmo1	0.6568596	1.27745358 8	3.88919412 7	2.62567687 4	-1.783866247
TRCN00001 12657	NM_198093. 2-499s1c1	140580	Elmo1	4.34469317 8	0.96089254 1	3.71140983 1	3.54917381 3	-3.141542341
TRCN00001 12658	NM_198093. 2-685s1c1	140580	Elmo1	0.01940022 3	1.36877840 5	3.73346684 1	2.96454824 4	-2.011848317

TRCN00001 12665	NM_020606. 4-2484s1c1	57342	Parva	0.20601244 3	1.36877840 5	3.88919412 7	2.43719965 6	-1.975296158
TRCN00001 12666	NM_020606. 4-565s1c1	57342	Parva	1.97912743 1	1.36877840 5	4.41009144 1	2.27052466 9	-1.517566771
TRCN00001 12735	NM_053201. 2-3248s1c1	107528	Mageel	0.37305510 8	1.36877840 5	3.78353119 7	3.40827436 7	-2.046882215
TRCN00001 12737	NM_053201. 2-2690s1c1	107528	Mageel	0.01940022 3	1.27745358 8	3.78353119 7	3.40827436 7	-2.112464732
TRCN00001 12738	NM_053201. 2-1033s1c1	107528	Mageel	0.30892183 6	1.36988341 4	3.88919412 7	2.96454824 4	-1.978675987
TRCN00001 12740	NM_023066. 1-3533s1c1	65973	Asph	-0.17164512	2.42493279 3	0.79085447 7	2.44607825 2	-1.458377661
TRCN00001 12741	NM_023066. 1-1467s1c1	65973	Asph	2.01774252 9	1.27745358 8	3.88919412 7	2.86268030 8	-2.511767638
TRCN00001 12744	NM_023066. 1-2081s1c1	65973	Asph	3.22505017 3	1.19156721 9	4.08194125 4	3.24472727 6	-2.935821481
TRCN00001 12785	NM_008536. 2-739s1c1	17112	Tm4sf1	1.38715343 9	1.27745358 8	6.37612114 7	3.52332754 1	-2.447437209
TRCN00001 12786	NM_008536. 2-180s1c1	17112	Tm4sf1	1.51823437 1	3.09961664 5	6.44276768 8	2.33933159 1	-2.590870388
TRCN00001 12787	NM_008536. 2-629s1c1	17112	Tm4sf1	0.58604299 9	-5.24317377	4.80313189 6	5.21561450 8	-3.961990793
TRCN00001 12788	NM_008536. 2-428s1c1	17112	Tm4sf1	0.21074564 9	1.54807117 8	-7.14039001	1.98575845 3	-2.721241323
TRCN00001 12789	NM_008536. 2-692s1c1	17112	Tm4sf1	0.78849487 5	5.18264854 8	1.42569476 4	5.43090600 8	0.097235607
TRCN00001 12830	NM_021375. 2-1628s1c1	58176	Rhbg	0.16460312 2	-1.46120823	3.95844439 5	8.30796633 4	-3.47305552
TRCN00001 12831	NM_021375. 2-1010s1c1	58176	Rhbg	2.74174563 3	0.96089254 1	3.93162742 7	-3.09784689	-2.683028123
TRCN00001 12832	NM_021375. 2-1007s1c1	58176	Rhbg	0.69245035 9	3.59763107 8	3.80721956 2	3.26801146 4	-0.696287397
TRCN00001 12833	NM_021375. 2-573s1c1	58176	Rhbg	0.01209662 1	1.36877840 5	3.88919412 7	6.56036967 1	-2.957609706
TRCN00001 12834	NM_021375. 2-117s1c1	58176	Rhbg	0.81220401 6	1.19156721 9	6.05304283 3	-2.63446337	-2.266717352
TRCN00001 12920	NM_023063. 1-3060s1c1	65970	Lima1	0.24356278 8	0.85784951 2	4.82965659 2	4.05885799 2	-2.497481721
TRCN00001 12921	NM_023063. 1-1260s1c1	65970	Lima1	1.55059115 6	5.66850836 2	4.08194125 4	3.40827436 7	-3.677328785
TRCN00001 12922	NM_023063. 1-1832s1c1	65970	Lima1	4.18155282 2	2.34684231 2	1.6068465	2.50760135 9	-1.857287498
TRCN00001 12923	NM_023063. 1-1054s1c1	65970	Lima1	1.50540733 3	7.22759631 2	-1.83504891	1.61358067 8	-2.238617969
TRCN00001 12985	NM_0010098 18.1- 3609s1c1	52398	39335	-3.16379893	1.84712551 1	3.79550750 3	2.41761259 4	-1.882448379

TRCN00001 12986	NM_0010098 18.1-693s1c1	52398	39335	2.34876818	1.55074154 9	2.39390703 3	7.55229998 5	-0.314720806
TRCN00001 12988	NM_0010098 18.1-218s1c1	52398	39335	1.22727511 9	3.6241836	3.80721956 2	0.25073392 9	-0.289894288
TRCN00001 12989	NM_0010098 18.1- 1360s1c1	52398	39335	1.02261570 2	3.08011190 2	5.08913073 2	-7.91715952	-4.277254464
TRCN00001 13120	NM_021710. 1-816s1c1	11782	Ap4s1	1.85920664 7	1.36877840 5	4.08194125 4	3.39002889 5	-1.745385477
TRCN00001 13121	NM_021710. 1-636s1c1	11782	Ap4s1	0.50035672 1	1.36877840 5	3.78353119 7	3.40827436 7	-2.265235173
TRCN00001 13122	NM_021710. 1-527s1c1	11782	Ap4s1	0.40114230 7	1.36877840 5	2.53430849 1	3.40827436 7	-1.727554739
TRCN00001 13123	NM_021710. 1-571s1c1	11782	Ap4s1	1.77455477	1.27745358 8	3.92234374 5	2.73003321 3	-1.538818944
TRCN00001 13124	NM_021710. 1-578s1c1	11782	Ap4s1	3.40005980 7	3.24341897 4	3.95248396 3	2.84253081 2	-3.359623389
TRCN00001 13290	NM_172616. 1-3673s1c1	224171	C330027C0 9Rik	0.38008217 7	1.27745358 8	4.47123795 4	-1.64242105	-1.752757604
TRCN00001 13291	NM_172616. 1-510s1c1	224171	C330027C0 9Rik	0.81558929 5	1.27745358 8	2.41500767 4	8.57191814 6	-1.654693691
TRCN00001 13292	NM_172616. 1-2762s1c1	224171	C330027C0 9Rik	-2.34796206	5.87456170 9	0.74011165 7	3.65886742 3	-0.955886172
TRCN00001 13293	NM_172616. 1-2486s1c1	224171	C330027C0 9Rik	-0.87987044	5.01835479 1	3.42537650 6	4.79624864 9	-1.020785201
TRCN00001 13294	NM_172616. 1-609s1c1	224171	C330027C0 9Rik	0.78840150 7	1.36877840 5	3.83539553 5	0.02120582 7	-1.098641652
TRCN00001 13370	NM_172751. 1-4129s1c1	234094	Arhgef10	1.33049786 6	3.58693573 9	7.03616509 6	0.04244559 5	-1.184320407
TRCN00001 13371	NM_172751. 1-1610s1c1	234094	Arhgef10	1.10353029 2	1.45278870 3	6.94127897 2	0.29005858 7	-2.301884845
TRCN00001 13372	NM_172751. 1-2470s1c1	234094	Arhgef10	0.75976061 5	2.15978786 7	7.29063931 4	1.92277036 4	-2.653359233
TRCN00001 13373	NM_172751. 1-2083s1c1	234094	Arhgef10	2.17616654 1	1.19156721 9	3.87047940 7	3.52332754 1	-2.690385177
TRCN00001 13374	NM_172751. 1-3572s1c1	234094	Arhgef10	0.22539187 4	1.19156721 9	1.01242051 1	1.23552157 6	-0.803529358
TRCN00001 13395	NM_013853. 1-2329s1c1	27407	Abcf2	1.45447933 9	1.19156721 9	2.51901947 8	3.48763065 8	-1.435934504
TRCN00001 13396	NM_013853. 1-373s1c1	27407	Abcf2	0.61472762 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.306793983
TRCN00001 13398	NM_013853. 1-1268s1c1	27407	Abcf2	2.36669731 3	5.47398631 3	6.39849820 2	1.62778707 4	-3.152848689
TRCN00001 13399	NM_013853. 1-963s1c1	27407	Abcf2	0.78044541 7	-0.85449665	8.23661776 5	3.21923129 9	-2.882475074
TRCN00001 13555	NM_021339. 1-3344s1c1	57810	Cdon	0.03663035 7	3.66216662 4	1.67373561 8	3.24472727 6	-0.323231657

TRCN00001 13557	NM_021339. 1-1509s1c1	57810	Cdon	-1.02564876	1.19156721 9	0.01341958 1	1.35933994 5	-0.890784086
TRCN00001 13558	NM_021339. 1-197s1c1	57810	Cdon	1.77684985 6	1.27745358 8	3.83539553 5	6.94361541 5	-2.569903671
TRCN00001 13559	NM_021339. 1-2904s1c1	57810	Cdon	0.06178819 6	3.85332861 4	3.88919412 7	3.40827436 7	-2.772252228
TRCN00001 14171	NM_026438. 2-1024s1c1	67895	Ppa1	2.01774560 1	2.54786021 8	3.68508170 8	3.83375501 9	-3.021110637
TRCN00001 14172	NM_026438. 2-777s1c1	67895	Ppa1	2.31073462 3	0.96089254 1	1.58948984 7	-3.09784689	-1.194996052
TRCN00001 14173	NM_026438. 2-603s1c1	67895	Ppa1	0.63198936 9	-1.20293764	4.75043964 4	2.75841766 1	-0.956737248
TRCN00001 14174	NM_026438. 2-187s1c1	67895	Ppa1	1.07591783	1.11050781 4	4.00525930 7	3.55090611 8	-1.897688852
TRCN00001 14175	NM_026438. 2-352s1c1	67895	Ppa1	4.37820093 4	0.16483129 3	-4.1237001	3.24472727 6	-2.895449254
TRCN00001 14256	NM_012031. 1-3297s1c1	26942	Spag1	0.25578464 7	0.96089254 1	1.84170515 6	2.14183645 8	-0.101244148
TRCN00001 14257	NM_012031. 1-1085s1c1	26942	Spag1	0.01982536 3	1.36877840 5	6.44588330 3	4.74294712 4	-3.144358549
TRCN00001 14258	NM_012031. 1-2557s1c1	26942	Spag1	0.21176648 5	1.27745358 8	3.83539553 5	3.24472727 6	-2.036452479
TRCN00001 14259	NM_012031. 1-1874s1c1	26942	Spag1	0.17141156 4	1.36877840 5	2.89798295 8	3.83375501 9	-1.982276205
TRCN00001 14260	NM_012031. 1-2659s1c1	26942	Spag1	0.39658060 2	1.19156721 9	1.84811351 2	0.50484513 4	-0.985276617
TRCN00001 14296	NM_021890. 3-2258s1c1	60527	Fads3	0.6568596	1.36877840 5	3.83539553 5	3.40827436 7	-1.988897177
TRCN00001 14297	NM_021890. 3-1097s1c1	60527	Fads3	0.90534054 6	0.64327250 6	1.74531370 8	-0.43702698	-0.480068162
TRCN00001 14298	NM_021890. 3-763s1c1	60527	Fads3	0.06264469 1	1.36877840 5	3.83539553 5	3.40827436 7	-2.137450904
TRCN00001 14299	NM_021890. 3-1305s1c1	60527	Fads3	0.98320937 7	1.36877840 5	2.18806684	3.24472727 6	-0.360557366
TRCN00001 14307	NM_009128. 1-606s1c1	20250	Scd2	1.02984555 2	4.98175005 5	8.16623986 5	4.49505804 8	-4.66822338
TRCN00001 14308	NM_009128. 1-1131s1c1	20250	Scd2	-2.19080893	-1.85109597	4.05814689 3	3.52332754 1	-2.905844834
TRCN00001 14321	NM_008750. 2-1509s1c1	18230	Nxn	4.65025460 3	1.27745358 8	3.83946910 5	3.98477125 4	-3.437987138
TRCN00001 14322	NM_008750. 2-1291s1c1	18230	Nxn	2.72247160 5	1.36877840 5	-3.34725094	3.24472727 6	-2.670807057
TRCN00001 14323	NM_008750. 2-470s1c1	18230	Nxn	2.38248625 6	4.52253858 2	3.02646695 2	3.25393290 7	-1.035086883
TRCN00001 14325	NM_008750. 2-1345s1c1	18230	Nxn	0.37613220 9	1.36877840 5	3.83539553 5	1.98575845 3	-1.891516151

TRCN00001 14336	NM_019699. 1-487s1c1	56473	Fads2	1.69121634 8	2.17286195 6	4.41009144 1	0.20245522 3	-2.119156242
TRCN00001 14337	NM_019699. 1-986s1c1	56473	Fads2	0.09740707 6	1.36877840 5	3.78353119 7	3.40827436 7	-2.115794223
TRCN00001 14338	NM_019699. 1-624s1c1	56473	Fads2	0.19861099 4	1.28980058 7	5.05013706 4	10.5452992 1	-4.171656467
TRCN00001 14340	NM_019699. 1-830s1c1	56473	Fads2	2.01094856 6	1.36877840 5	3.92234374 5	3.40827436 7	-2.677586271
TRCN00001 14346	NM_146094. 1-1492s1c1	76267	Fads1	0.37706563 2	-1.20293764	8.55472521 6	7.19340363 5	-4.143500215
TRCN00001 14347	NM_146094. 1-913s1c1	76267	Fads1	1.03563938 8	1.03376155 7	0.49366331 7	0.82620577 5	-0.082666157
TRCN00001 14348	NM_146094. 1-914s1c1	76267	Fads1	1.96549625 3	1.19156721 9	4.11359225 9	5.30053069 7	-2.160048481
TRCN00001 14349	NM_146094. 1-1318s1c1	76267	Fads1	0.6488555	-1.46120823	3.88919412 7	3.24472727 6	-1.986568533
TRCN00001 14350	NM_146094. 1-534s1c1	76267	Fads1	0.07636199 5	1.36877840 5	0.67163649 5	3.40827436 7	-1.045444568
TRCN00001 14406	NM_178396. 3-2277s1c1	76459	Car12	0.76387805 2	1.12619138 3	7.85742593 7	6.80386906 2	-3.755902083
TRCN00001 14407	NM_178396. 3-140s1c1	76459	Car12	1.09895169 6	0.40432219 6	4.00434830 1	0.01436782 9	-0.621676645
TRCN00001 14408	NM_178396. 3-288s1c1	76459	Car12	1.65932546 1	1.36877840 5	3.86913938 3	2.96454824 4	-1.635785143
TRCN00001 14409	NM_178396. 3-1071s1c1	76459	Car12	2.75623938 6	0.96089254 1	0.80429865 1	4.11865814 2	-2.16002218
TRCN00001 14410	NM_178396. 3-336s1c1	76459	Car12	2.19346749 7	0.82534563 1	3.87047940 7	3.40827436 7	-1.477657977
TRCN00001 14411	NM_023119. 1-1562s1c1	13806	Eno1	0.91620223 1	5.13245376 8	0.23298354 8	1.52302331 2	-1.189654059
TRCN00001 14412	NM_023119. 1-389s1c1	13806	Eno1	0.96579161 3	1.37085999 2	-3.78504171	8.80185532 9	-3.247991355
TRCN00001 14414	NM_023119. 1-738s1c1	13806	Eno1	2.89394057 1	-1.77770862	2.98789965 3	0.88267986 1	-0.688586891
TRCN00001 14415	NM_023119. 1-324s1c1	13806	Eno1	0.98795518 9	4.30844140 7	7.23754522 7	-2.74364309	-3.819396228
TRCN00001 14426	NM_019513. 1-248s1c1	56078	Car5b	0.80364505 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.354023341
TRCN00001 14427	NM_019513. 1-1037s1c1	56078	Car5b	1.21986675 2	1.36877840 5	4.20937172 6	3.83375501 9	-2.0480096
TRCN00001 14428	NM_019513. 1-1038s1c1	56078	Car5b	0.09893885 5	1.36877840 5	4.08194125 4	-3.09784689	-2.112406924
TRCN00001 14429	NM_019513. 1-627s1c1	56078	Car5b	1.85604038 1	1.53867507 3	3.05085445 9	3.46253257 5	-0.951598393
TRCN00001 14430	NM_019513. 1-772s1c1	56078	Car5b	1.12315602 8	1.36877840 5	3.73346684 1	3.40827436 7	-1.846840896

TRCN00001 14461	NM_009801. 3-1047s1c1	12349	Car2	1.83024000 2	1.28399704 4	3.83539553 5	3.45801090 9	-2.601910873
TRCN00001 14462	NM_009801. 3-164s1c1	12349	Car2	0.31584521 1	1.44925434 7	1.94967613 3	4.11897737 4	-1.958438266
TRCN00001 14463	NM_009801. 3-772s1c1	12349	Car2	1.57064576 9	0.96204297 9	5.05635938 1	1.70442010 7	-1.84234557
TRCN00001 14464	NM_009801. 3-769s1c1	12349	Car2	0.05776625 5	1.08246111 5	5.06142402 5	1.72092923 4	-1.410531472
TRCN00001 14465	NM_009801. 3-217s1c1	12349	Car2	0.92458165 4	1.28399704 4	-7.51380564	2.40466711 7	-1.367138478
TRCN00001 14491	NM_139305. 1-1409s1c1	230099	Car9	1.46537188 5	0.20424139 5	-5.00175193	0.03070785 8	-0.927478396
TRCN00001 14493	NM_139305. 1-281s1c1	230099	Car9	0.85559358 2	1.00463840 4	-0.07891674	2.05830751 6	-0.999364061
TRCN00001 14494	NM_139305. 1-862s1c1	230099	Car9	1.98645564 9	-1.20293764	4.26712553 4	3.40827436 7	-1.722970473
TRCN00001 14495	NM_139305. 1-898s1c1	230099	Car9	0.80241833 5	0.96089254 1	3.83539553 5	0.17521032 5	-1.443479184
TRCN00001 14591	NM_019425. 1-1257s1c1	54342	Gnpnat1	0.70990386	1.19156721 9	3.93162742 7	2.44546172 8	-1.714688129
TRCN00001 14592	NM_019425. 1-364s1c1	54342	Gnpnat1	-2.86561005	5.66890022 9	2.86046478 4	2.47733618 8	-3.468077813
TRCN00001 14593	NM_019425. 1-120s1c1	54342	Gnpnat1	0.58695413 7	1.36877840 5	3.78353119 7	3.40827436 7	-2.286884527
TRCN00001 14594	NM_019425. 1-416s1c1	54342	Gnpnat1	0.14188839 9	-1.46120823	3.88919412 7	3.40827436 7	-2.225141281
TRCN00001 14595	NM_019425. 1-266s1c1	54342	Gnpnat1	-1.26557227	4.29789397 6	8.42050802 6	3.59616935 6	-4.395035907
TRCN00001 14702	NM_008697. 1-5927s1c1	18080	Nin	3.17529385 2	4.51363320 9	1.01819322 9	3.00968664 5	-0.915261797
TRCN00001 14704	NM_008697. 1-964s1c1	18080	Nin	5.31260249 6	2.14420633 4	0.15208220 2	3.62383945 8	-2.808182623
TRCN00001 14771	NM_010518. 1-1636s1c1	16011	Igfbp5	0.15519531	1.36877840 5	3.83539553 5	0.15871188 9	-1.222566685
TRCN00001 14774	NM_010518. 1-1470s1c1	16011	Igfbp5	-0.24019477	1.27745358 8	3.82041505 1	1.71979729 3	-0.904566529
TRCN00001 14786	NM_010917. 1-4099s1c1	18073	Nid1	0.45000466 8	1.38692919 7	9.87118490 4	11.4509463 1	-5.096301671
TRCN00001 14788	NM_010917. 1-3536s1c1	18073	Nid1	1.17300122 3	0.33935423 6	9.02054206 3	-3.21470403	-2.850399777
TRCN00001 14789	NM_010917. 1-2274s1c1	18073	Nid1	0.01940022 3	1.19156721 9	3.88919412 7	3.40827436 7	-2.117408873
TRCN00001 14790	NM_010917. 1-2829s1c1	18073	Nid1	1.23916857 3	1.27745358 8	4.00434830 1	5.51710955 7	-3.009520005
TRCN00001 15261	NM_023418. 1-1359s1c1	18648	Pgam1	0.13363998 6	1.27745358 8	1.53929340 9	1.88347425 8	0.502918523

TRCN00001 15262	NM_023418. 1-582slc1	18648	Pgam1	0.35165833 9	0.79603765 7	4.15112386 8	4.62266236 2	-2.082351728
TRCN00001 15263	NM_023418. 1-386slc1	18648	Pgam1	0.49959551 9	1.36877840 5	3.78353119 7	3.40827436 7	-2.265044872
TRCN00001 15264	NM_023418. 1-737slc1	18648	Pgam1	2.55784564 8	1.36877840 5	3.88919412 7	2.92974798 5	-2.686391541
TRCN00001 15265	NM_023418. 1-345slc1	18648	Pgam1	0.01940022 3	1.36877840 5	3.88919412 7	-1.92255741	-1.79028243
TRCN00001 15313	NM_138750. 1-2600slc1	192212	Prom2	0.01940022 3	1.27745358 8	3.78353119 7	3.83375501 9	-2.218834895
TRCN00001 15315	NM_138750. 1-2599slc1	192212	Prom2	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00001 15401	NM_026568. 1-874slc1	68126	Fahd2a	0.43303882 9	2.02016398 3	3.78353119 7	-3.09784689	-1.107043819
TRCN00001 15402	NM_026568. 1-807slc1	68126	Fahd2a	1.13529698 5	1.27745358 8	3.78353119 7	2.84253081 2	-1.692054653
TRCN00001 15403	NM_026568. 1-785slc1	68126	Fahd2a	0.65168551 3	1.27745358 8	3.88919412 7	2.84253081 2	-1.839373254
TRCN00001 15404	NM_026568. 1-718slc1	68126	Fahd2a	0.01505812 4	1.36877840 5	3.78353119 7	1.40793588 8	-1.636296842
TRCN00001 15405	NM_026568. 1-882slc1	68126	Fahd2a	2.40357628 8	0.79595584 5	4.34623817 9	-2.77693715	-2.580676866
TRCN00001 19297	NM_019397. 1-2049slc1	54156	Egfl6	0.20409823 2	1.19156721 9	2.30411653 4	7.72656761 1	-2.856587399
TRCN00001 19298	NM_019397. 1-826slc1	54156	Egfl6	0.00193689 1	2.24911733 8	1.91106245 3	-1.0663938	-0.182568952
TRCN00001 19299	NM_019397. 1-418slc1	54156	Egfl6	0.24782717 2	2.42242251	2.27745885 8	9.16167460 2	-2.316134531
TRCN00001 19300	NM_019397. 1-827slc1	54156	Egfl6	-1.72107365	2.33305819 7	1.81602176 6	0.86223534 4	-0.516568141
TRCN00001 19301	NM_019397. 1-1456slc1	54156	Egfl6	-0.91179559	0.06452511 8	4.27743731 8	3.40827436 7	-2.165508098
TRCN00001 19307	NM_011360. 2-1447slc1	20392	Sgce	2.45708257 7	1.27745358 8	2.83376969 2	0.75713037 2	-0.414474211
TRCN00001 19308	NM_011360. 2-951slc1	20392	Sgce	1.84176660 5	-1.46120823	4.08194125 4	3.40827436 7	-2.698297614
TRCN00001 19310	NM_011360. 2-419slc1	20392	Sgce	-3.98066406	4.98472434 8	3.67113063 6	7.68174689 9	-2.587204312
TRCN00001 19311	NM_011360. 2-781slc1	20392	Sgce	0.91782377 2	-0.29090883	3.83539553 5	1.69426483 7	-1.684598244
TRCN00001 19312	NM_0010298 36.1- 3183slc1	114249	Npnt	0.52358103 3	1.06967046 5	0.11287209 4	0.39246435 5	-0.271978762
TRCN00001 19313	NM_0010298 36.1- 1055slc1	114249	Npnt	0.33902300 6	0.46856970 2	2.19426494 2	3.44461299 5	-1.37733281
TRCN00001 19314	NM_0010298 36.1-933slc1	114249	Npnt	0.28694497 2	1.36988341 4	3.73346684 1	2.56481984 8	-1.988778769

TRCN00001 19315	NM_0010298 36.1-551s1c1	114249	Npnt	0.01940022 3	1.36877840 5	3.97614233 7	3.24472727 6	-2.142561949
TRCN00001 19316	NM_0010298 36.1- 1330s1c1	114249	Npnt	2.85140705 2	0.68195851 5	3.67987159 6	2.56744763 5	-2.4451712
TRCN00001 19318	NM_008891. 1-1039s1c1	18949	Pnn	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 19319	NM_008891. 1-1582s1c1	18949	Pnn	1.05897094	1.36877840 5	3.97614233 7	3.24472727 6	-1.88266927
TRCN00001 19320	NM_008891. 1-441s1c1	18949	Pnn	0.57291458 6	-1.46120823	3.88919412 7	3.40827436 7	-2.332897828
TRCN00001 19772	NM_007398. 2-1432s1c1	11486	Ada	1.05373343 2	1.19156721 9	3.92234374 5	3.40827436 7	-2.393979691
TRCN00001 19774	NM_007398. 2-153s1c1	11486	Ada	0.09740707 6	0.94135959 7	3.88481251 5	0.26569798 2	-1.115766764
TRCN00001 19775	NM_007398. 2-283s1c1	11486	Ada	0.83184400 7	1.36877840 5	3.88919412 7	1.45188272 5	-1.469502813
TRCN00001 19807	NM_028779. 3-3037s1c1	109674	Ampd2	0.29249070 7	2.62108441 7	3.23247364 1	2.99246441 8	-0.668391475
TRCN00001 19808	NM_028779. 3-2137s1c1	109674	Ampd2	1.11922077 7	4.88570763 1	0.96747134 5	-4.68573227	0.012056482
TRCN00001 19809	NM_028779. 3-1595s1c1	109674	Ampd2	2.92710920 7	1.36877840 5	3.88919412 7	2.73003321 3	-1.265224135
TRCN00001 19810	NM_028779. 3-2152s1c1	109674	Ampd2	4.12705665	5.75245745 7	3.78353119 7	3.24472727 6	-2.16341482
TRCN00001 19817	NM_011069. 2-906s1c1	18632	Pex11b	4.65441268 8	1.32039457 6	0.53241001 9	0.41141252 9	-1.729657453
TRCN00001 19818	NM_011069. 2-356s1c1	18632	Pex11b	0.87060603	1.36877840 5	3.87047940 7	0.61821648	-0.937608826
TRCN00001 19819	NM_011069. 2-419s1c1	18632	Pex11b	2.45576231 1	2.57869394 8	2.14857581 8	4.16143462 5	-2.836116676
TRCN00001 19821	NM_011069. 2-468s1c1	18632	Pex11b	0.62567399 3	1.36877840 5	4.05814689 3	3.40827436 7	-2.365218415
TRCN00001 19852	NM_007808. 2-588s1c1	13063	Cycs	0.25980665 3	-1.68047041	4.90805791 8	2.62567687 4	-2.238599637
TRCN00001 19853	NM_007808. 2-346s1c1	13063	Cycs	-1.80158072	2.43309840 9	1.25827816	3.42320304 6	-0.383351799
TRCN00001 19854	NM_007808. 2-144s1c1	13063	Cycs	1.68461717 2	1.36877840 5	0.20894764 5	0.75713037 2	-1.004868399
TRCN00001 19855	NM_007808. 2-319s1c1	13063	Cycs	1.82122422 3	2.39842085 3	1.31435237 3	1.00866579 3	-1.635665811
TRCN00001 19856	NM_007808. 2-207s1c1	13063	Cycs	2.60277357 3	1.28399704 4	4.69049614 2	0.99648165 2	-2.393437103
TRCN00001 19974	NM_030229. 2-850s1c1	78929	Polr3h	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 19975	NM_030229. 2-609s1c1	78929	Polr3h	0.46271628 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.282240795

TRCN00001 20042	NM_024433. 1-2179s1c1	66902	Mtap	0.72069388 2	1.36988341 4	4.08194125 4	0.57600921 3	-1.687131941
TRCN00001 20045	NM_024433. 1-819s1c1	66902	Mtap	2.83975483 8	1.27745358 8	7.73409891 6	-4.25609819	-4.026851383
TRCN00001 20046	NM_024433. 1-519s1c1	66902	Mtap	0.47596729 3	0.46239608 9	3.05401760 5	6.08156038 5	-2.518485343
TRCN00001 20072	NM_007998. 3-1755s1c1	14151	Fech	1.25128820 9	1.36988341 4	0.64615597 7	-3.1908382	-1.291463462
TRCN00001 20073	NM_007998. 3-1199s1c1	14151	Fech	1.20807135 7	1.19156721 9	3.67987159 6	4.08868316 6	-2.542048335
TRCN00001 20074	NM_007998. 3-560s1c1	14151	Fech	0.02248136 7	1.03376155 7	3.77202991 8	7.03411775 4	-2.954356966
TRCN00001 20075	NM_007998. 3-1087s1c1	14151	Fech	2.06277398 6	1.27745358 8	3.83539553 5	1.74804131 8	-2.230916107
TRCN00001 20076	NM_007998. 3-1126s1c1	14151	Fech	1.15801535 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.41517879
TRCN00001 20107	NM_028749. 1-1253s1c1	74091	Npl	2.66527897 4	5.61226917 8	3.73346684 1	2.12112686 9	-3.533035466
TRCN00001 20108	NM_028749. 1-976s1c1	74091	Npl	1.75889427 8	-0.48162403	3.88481251 5	0.96615875	-1.289793018
TRCN00001 20109	NM_028749. 1-818s1c1	74091	Npl	1.84151310 6	1.27745358 8	0.01074725 6	3.40827436 7	-1.634497079
TRCN00001 20110	NM_028749. 1-408s1c1	74091	Npl	2.69416822 1	1.36877840 5	3.27385230 6	2.62567687 4	-2.490618952
TRCN00001 20111	NM_028749. 1-153s1c1	74091	Npl	0.94203857 8	-1.46120823	4.54144997 5	2.27052466 9	-2.303805363
TRCN00001 20417	NM_177420. 1-1695s1c1	107272	Psat1	0.14097695	1.42754340 2	2.58941987 9	0.34365805 6	-0.341139396
TRCN00001 20419	NM_177420. 1-474s1c1	107272	Psat1	0.06668429 9	1.27745358 8	3.77202991 8	1.88788845 8	-0.807069837
TRCN00001 20420	NM_177420. 1-775s1c1	107272	Psat1	0.97646569 2	1.6921919	4.15557313 4	-7.05737954	-2.136073771
TRCN00001 20421	NM_177420. 1-156s1c1	107272	Psat1	0.54344275 4	1.36988341 4	3.81514338 2	-0.4769912	-1.551365188
TRCN00001 20467	NM_007636. 1-1666s1c1	12461	Cct2	0.05107747	1.36877840 5	3.51153312 6	3.40827436 7	-2.059377107
TRCN00001 20468	NM_007636. 1-1354s1c1	12461	Cct2	0.85086494 2	1.36877840 5	3.88919412 7	1.83341653 9	-1.985563503
TRCN00001 20469	NM_007636. 1-1459s1c1	12461	Cct2	2.77623585 6	1.36877840 5	3.88919412 7	3.24472727 6	-1.431615988
TRCN00001 20470	NM_007636. 1-259s1c1	12461	Cct2	2.27438904 7	1.36877840 5	3.78353119 7	-3.09784689	-2.631136385
TRCN00001 20471	NM_007636. 1-815s1c1	12461	Cct2	0.03639032 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.134772533
TRCN00001 20532	NM_026102. 1-3700s1c1	208846	Daam1	0.11476237 1	4.63291016 9	0.58277649 6	1.45411676 8	-0.969083067

TRCN00001 20533	NM_026102. 1-805s1c1	208846	Daam1	0.69599453 4	1.36877840 5	3.54896178 4	3.83375501 9	-2.361872436
TRCN00001 20534	NM_026102. 1-1513s1c1	208846	Daam1	0.57237499 6	0.38440541 5	1.90076638 3	2.62363060 1	-1.178091641
TRCN00001 20536	NM_026102. 1-266s1c1	208846	Daam1	2.58186793 6	1.27745358 8	0.73860493 1	1.89228919 3	0.983827118
TRCN00001 20642	NM_017407. 1-3613s1c1	54141	Spag5	-0.48902774	1.36877840 5	4.00434830 1	1.33339915 2	-1.132188824
TRCN00001 20643	NM_017407. 1-2041s1c1	54141	Spag5	1.26207015 4	2.21359331 8	6.68002446 1	5.87875583 1	-2.270779205
TRCN00001 20644	NM_017407. 1-582s1c1	54141	Spag5	0.49873139 1	3.88724335 9	8.76454156 7	4.76095430 2	-2.534245975
TRCN00001 20645	NM_017407. 1-3405s1c1	54141	Spag5	0.66739528 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.333410547
TRCN00001 20646	NM_017407. 1-581s1c1	54141	Spag5	0.07213921 3	0.45850725 9	8.25771375 4	4.24986794 7	-2.994233807
TRCN00001 20662	NM_026917. 4-1779s1c1	69035	Zdhhc3	2.78726531 3	3.97632265 4	3.93162742 7	1.91841537 5	-2.194200005
TRCN00001 20663	NM_026917. 4-311s1c1	69035	Zdhhc3	1.36349246 7	1.14018531 3	3.97614233 7	3.40827436 7	-2.472023621
TRCN00001 20664	NM_026917. 4-455s1c1	69035	Zdhhc3	1.61375373 1	4.67465242 9	2.42578523 1	2.51677359 2	0.742477584
TRCN00001 20665	NM_026917. 4-242s1c1	69035	Zdhhc3	0.65679026 3	4.93570930 4	4.05814689 3	2.84253081 2	-2.794899187
TRCN00001 20666	NM_026917. 4-729s1c1	69035	Zdhhc3	1.54638674 9	1.27745358 8	4.00434830 1	0.12098816 4	-0.964100826
TRCN00001 20812	NM_028109. 2-2779s1c1	72119	Tpx2	0.01940022 3	1.27745358 8	3.54896178 4	3.39002889 5	-2.049261011
TRCN00001 20813	NM_028109. 2-1598s1c1	72119	Tpx2	2.47950544 9	1.36877840 5	4.47123795 4	3.24472727 6	-2.891062271
TRCN00001 20815	NM_028109. 2-1439s1c1	72119	Tpx2	0.09740707 6	-1.46120823	3.83539553 5	3.40827436 7	-2.151867764
TRCN00001 20816	NM_028109. 2-1177s1c1	72119	Tpx2	1.88854617 8	1.27745358 8	3.88919412 7	3.40827436 7	-2.615867065
TRCN00001 20817	NM_178804. 2-5429s1c1	20563	Slit2	0.01940022 3	1.27745358 8	3.92234374 5	3.24472727 6	-2.106281097
TRCN00001 20818	NM_178804. 2-3622s1c1	20563	Slit2	1.54804349 4	1.05332236 6	3.87047940 7	1.71137582 5	-1.271783526
TRCN00001 20819	NM_178804. 2-1387s1c1	20563	Slit2	1.07343445 8	6.19137440 2	6.04815212 9	6.63759032 8	-4.987637829
TRCN00001 20820	NM_178804. 2-4630s1c1	20563	Slit2	1.59356066 1	1.22211402 5	4.00525930 7	2.52836256 1	-1.540543808
TRCN00001 20821	NM_178804. 2-2770s1c1	20563	Slit2	2.22156083 8	3.24472494 8	0.89628277 4	5.72474641 5	-0.951324883
TRCN00001 20982	NM_027530. 2-2487s1c1	52822	Rufy3	2.44957608 8	6.20704358 7	-2.68301346	0.87414853	-2.616371151

TRCN00001 20984	NM_027530. 2-1933s1c1	52822	Rufy3	0.19097874 6	- 5.06398412 2	0.05549990 9	0.89059340 3	-0.981728016
TRCN00001 20985	NM_027530. 2-1221s1c1	52822	Rufy3	0.09010347 4	1.11050781 4	5.08567532 1	3.83375501 9	-2.530010407
TRCN00001 20986	NM_027530. 2-1220s1c1	52822	Rufy3	2.06232742 6	1.19156721 9	5.07824998 7	2.96454824 4	-2.824173219
TRCN00001 21047	NM_181516. 2-1590s1c1	66826	Taz	0.34459009 1	1.36877840 5	3.78353119 7	0.29018002 1	-1.446769929
TRCN00001 21048	NM_181516. 2-571s1c1	66826	Taz	0.01940022 3	1.27745358 8	5.15206575 7	-1.92255741	-2.083169133
TRCN00001 21049	NM_181516. 2-380s1c1	66826	Taz	0.86218291 1	0.02930975 5	6.03667882 7	-1.70334168	-2.143223416
TRCN00001 21050	NM_181516. 2-998s1c1	66826	Taz	0.50035672 1	1.27745358 8	3.82041505 1	3.24472727 6	-2.210738159
TRCN00001 21051	NM_181516. 2-691s1c1	66826	Taz	4.82364362 7	0.64327250 6	3.63590999 4	2.32877333 3	-1.693513199
TRCN00001 21352	NM_026036. 1-963s1c1	67213	Cmtm6	1.26218352 2	1.28399704 4	-3.71791455	1.95370857 2	-2.054450922
TRCN00001 21354	NM_026036. 1-426s1c1	67213	Cmtm6	0.85086494 2	0.70144729 1	3.88919412 7	3.40827436 7	-2.212445182
TRCN00001 21355	NM_026036. 1-526s1c1	67213	Cmtm6	0.01940022 3	1.37085999 2	-5.00175193	-3.99836582	-2.58789438
TRCN00001 21357	NM_145448. 2-2846s1c1	217830	903061700 3Rik	1.34921621 9	-1.46120823	1.24660935	11.8554522 2	-2.68020872
TRCN00001 21358	NM_145448. 2-1425s1c1	217830	903061700 3Rik	1.26717691 9	0.15097968 1	0.74056825 2	7.06620762 1	-1.935948992
TRCN00001 21359	NM_145448. 2-1230s1c1	217830	903061700 3Rik	1.47733743 3	0.13754717 2	3.78353119 7	1.24442506 9	-1.660710218
TRCN00001 21360	NM_145448. 2-1701s1c1	217830	903061700 3Rik	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00001 21361	NM_145448. 2-1229s1c1	217830	903061700 3Rik	1.54999931 3	0.06367271 3	1.42417887 4	1.36528826 5	-1.068948435
TRCN00001 21368	NM_172746. 2-1894s1c1	233876	Hirip3	0.82402670 6	-0.48162403	2.17809430 8	1.32828686 2	-0.790994624
TRCN00001 21369	NM_172746. 2-815s1c1	233876	Hirip3	1.49459742 8	-1.20907917	4.51314487 2	3.69313003 5	-2.727487876
TRCN00001 21370	NM_172746. 2-758s1c1	233876	Hirip3	2.32006136 9	1.36877840 5	3.68508170 8	2.73003321 3	-2.525988674
TRCN00001 21371	NM_172746. 2-1745s1c1	233876	Hirip3	0.17235472 5	2.02831594 4	0.54401780 7	0.78430701 2	-0.490095366
TRCN00001 21427	NM_172564. 1-3974s1c1	217169	Tns4	0.01940022 3	1.36877840 5	3.77202991 8	3.24472727 6	-2.091533844
TRCN00001 21429	NM_172564. 1-1428s1c1	217169	Tns4	0.03639032 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.175659305
TRCN00001 23574	NM_024183. 3-2767s1c1	66899	Fip111	0.38150959 5	0.91777545 7	5.95003982 1	3.37818976 6	-2.65687866

TRCN00001 23575	NM_024183. 3-1024s1c1	66899	Fip111	0.19380092 2	1.27745358 8	3.69941492 2	6.90532412 5	-1.072390467
TRCN00001 23576	NM_024183. 3-978s1c1	66899	Fip111	1.31321242 8	1.19156721 9	3.88919412 7	3.40827436 7	-2.450562035
TRCN00001 23578	NM_024183. 3-1218s1c1	66899	Fip111	0.48740196 1	-0.85449665	3.42602160 9	7.94541211 4	-3.178333084
TRCN00001 23795	NM_172429. 1-432s1c1	76479	Smndc1	3.19463780 5	1.27745358 8	3.78353119 7	3.24472727 6	-1.277768564
TRCN00001 23796	NM_172429. 1-841s1c1	76479	Smndc1	-4.34046983	-1.46120823	0.00990453 9	3.40827436 7	-2.300011972
TRCN00001 23797	NM_172429. 1-816s1c1	76479	Smndc1	0.20440732 7	4.33491210 4	0.96933333 8	4.72517019 2	-0.390999688
TRCN00001 23798	NM_172429. 1-733s1c1	76479	Smndc1	1.68043180 8	3.81003942 7	3.79550750 3	3.26801146 4	-1.233477837
TRCN00001 23799	NM_030597. 2-595s1c1	27756	Lsm2	0.68322737 8	1.11050781 4	4.63388656 7	10.8828038 1	-4.327606392
TRCN00001 23800	NM_030597. 2-381s1c1	27756	Lsm2	2.04580297 6	1.19156721 9	3.88919412 7	2.96454824 4	-1.499876654
TRCN00001 23974	NM_021314. 3-3559s1c1	57752	Tacc2	0.65092143 9	1.36877840 5	3.92234374 5	3.40827436 7	-2.337579489
TRCN00001 23975	NM_021314. 3-700s1c1	57752	Tacc2	0.50852079 8	2.19783057 1	2.36206553 4	-3.01044308	-2.019714996
TRCN00001 23976	NM_021314. 3-2124s1c1	57752	Tacc2	0.74309795 7	0.91777545 7	3.72521500 6	0.27100669 5	-1.278770431
TRCN00001 23977	NM_021314. 3-2376s1c1	57752	Tacc2	1.53248356 3	1.62999988 9	3.83539553 5	3.24472727 6	-2.560651566
TRCN00001 23978	NM_021314. 3-2176s1c1	57752	Tacc2	1.26372512 4	1.45674636 1	3.88919412 7	1.43614505 4	-0.661517578
TRCN00001 24314	NM_207675. 2-3423s1c1	54725	Igsf4a	1.80028734 5	-1.20293764	6.74166771 3	4.84927936 1	-2.748399342
TRCN00001 24315	NM_207675. 2-921s1c1	54725	Igsf4a	0.96304412 4	3.45749509 8	5.73891302 8	4.98992996 5	-1.577075943
TRCN00001 24316	NM_207675. 2-734s1c1	54725	Igsf4a	0.30892183 6	2.25995808 7	-1.33452463	-9.40892958	-3.173622615
TRCN00001 24317	NM_207675. 2-460s1c1	54725	Igsf4a	0.85098362 7	-0.50731396	5.04398334 7	3.83674394 9	-2.559756221
TRCN00001 24318	NM_207675. 2-1320s1c1	54725	Igsf4a	3.43757277 6	1.67482822 5	1.81092150 5	3.40827436 7	0.041347922
TRCN00001 24469	NM_020010. 2-2297s1c1	13121	Cyp51	1.13856662 2	1.51360439 1	3.39388890 9	5.51129387 6	-2.132536254
TRCN00001 24470	NM_020010. 2-886s1c1	13121	Cyp51	0.90743236 1	0.82534563 1	3.98576142 5	2.84253081 2	-2.140267557
TRCN00001 24472	NM_020010. 2-574s1c1	13121	Cyp51	0.82522240 2	1.53082484	3.34042013 8	5.17981365 9	-1.95365784
TRCN00001 24473	NM_020010. 2-1829s1c1	13121	Cyp51	0.83409678 7	-0.85449665	6.80896644 5	6.27332326 1	-3.275672392

TRCN00001 24594	NM_019631. 2-1385s1c1	56277	Tmem45a	0.47760517 6	3.59077059 2	5.40622823 2	1.23309403 8	-0.642736626
TRCN00001 24595	NM_019631. 2-578s1c1	56277	Tmem45a	1.95171307 9	3.40653247 8	0.54575834 9	1.73457758 3	-1.042356581
TRCN00001 24597	NM_019631. 2-1037s1c1	56277	Tmem45a	0.11601346 6	3.42819045 8	3.83539553 5	3.29545104 3	-2.610755893
TRCN00001 24598	NM_019631. 2-672s1c1	56277	Tmem45a	3.04184217 3	1.35493322	3.55650073 5	5.51816271 6	-2.690393101
TRCN00001 24635	NM_009750. 1-465s1c1	12070	Ngfrap1	0.13230073	1.36877840 5	3.97614233 7	3.40827436 7	-2.155223595
TRCN00001 24636	NM_009750. 1-360s1c1	12070	Ngfrap1	0.01209662 1	-1.20293764	3.92234374 5	3.24472727 6	-2.095526321
TRCN00001 24637	NM_009750. 1-510s1c1	12070	Ngfrap1	0.77285808 9	1.36877840 5	3.83539553 5	3.40827436 7	-2.346326599
TRCN00001 24661	NM_011020. 3-2415s1c1	18415	Hspa4l	3.05989078 1	-1.46120823	3.88919412 7	3.40827436 7	-2.954641876
TRCN00001 24662	NM_011020. 3-631s1c1	18415	Hspa4l	0.21083510 8	-1.46120823	3.92234374 5	3.40827436 7	-2.250665363
TRCN00001 24663	NM_011020. 3-1035s1c1	18415	Hspa4l	0.01940022 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.097993692
TRCN00001 24779	NM_021385. 1-213s1c1	58186	Rad18	0.61982236 8	2.88188441 6	-4.1237001	2.24616304 9	0.096131249
TRCN00001 24780	NM_021385. 1-1370s1c1	58186	Rad18	0.69255930 1	0.06369588 2	0.15352833 8	9.92042052 5	-2.675703071
TRCN00001 24782	NM_021385. 1-40s1c1	58186	Rad18	2.30897244 7	1.36877840 5	3.78353119 7	3.24472727 6	-1.522016108
TRCN00001 24783	NM_021385. 1-1147s1c1	58186	Rad18	2.06232742 6	1.36877840 5	3.88919412 7	2.84253081 2	-2.540707693
TRCN00001 24814	NM_053182. 2-2564s1c1	94212	Pag1	2.28494721 2	1.36877840 5	3.63826679 6	5.02091902 2	-1.935754253
TRCN00001 24815	NM_053182. 2-1556s1c1	94212	Pag1	-0.95681745	4.77857085 4	1.74821360 3	1.05943600 2	-0.731934675
TRCN00001 24816	NM_053182. 2-1802s1c1	94212	Pag1	1.70434575 1	1.13643091 1	3.88919412 7	3.40827436 7	-1.682388414
TRCN00001 24817	NM_053182. 2-1174s1c1	94212	Pag1	0.63286212 7	1.19156721 9	2.74135393 4	3.24472727 6	-1.952627639
TRCN00001 24818	NM_053182. 2-1135s1c1	94212	Pag1	0.89390683 1	1.36877840 5	3.83539553 5	3.24472727 6	-1.888748596
TRCN00001 24879	NM_177124. 3-4975s1c1	213988	Tnrc6b	0.82665163 6	0.29667122 1	0.50433766	5.45493541 5	-1.518480153
TRCN00001 24880	NM_177124. 3-4634s1c1	213988	Tnrc6b	0.62236087 1	0.02831309 2	0.22947858 8	-2.69600532	-0.879882922
TRCN00001 24881	NM_177124. 3-3292s1c1	213988	Tnrc6b	0.69799084 6	1.19156721 9	3.97614233 7	3.40827436 7	-1.969498269
TRCN00001 24882	NM_177124. 3-2717s1c1	213988	Tnrc6b	1.92372934 7	1.36877840 5	4.08194125 4	4.14296980 4	-2.879354703

TRCN00001 24883	NM_177124. 3-1815s1c1	213988	Tnrc6b	1.53178733 2	1.05332236 6	1.28211206 6	0.60053261 9	-1.116938596
TRCN00001 24934	NM_026719. 1-2589s1c1	68421	Lmbrd1	0.47996187 8	-0.24056015	3.03098706 6	4.28792505 1	-1.769877597
TRCN00001 24935	NM_026719. 1-1592s1c1	68421	Lmbrd1	0.14696387	1.12619138 3	0.62547284 3	8.53011725 4	-2.533704403
TRCN00001 24936	NM_026719. 1-790s1c1	68421	Lmbrd1	0.08771736 4	-1.20293764	3.51153312 6	-3.24166606	-1.967104866
TRCN00001 24937	NM_026719. 1-1305s1c1	68421	Lmbrd1	0.77257615 1	3.72539670 9	3.89875486 2	1.51113524 3	-0.614267387
TRCN00001 24938	NM_026719. 1-1302s1c1	68421	Lmbrd1	0.83378873 7	3.72396948 7	3.72219458 7	1.82445305 6	-0.664116723
TRCN00001 24979	NM_009998. 4-1533s1c1	13088	Cyp2b10	1.57220555 1	1.14018531 3	0.51618225 3	-8.95768013	-3.046563312
TRCN00001 24980	NM_009998. 4-322s1c1	13088	Cyp2b10	1.34637106 5	1.60388448 1	4.04690793 7	2.84253081 2	-2.459923574
TRCN00001 24981	NM_009998. 4-169s1c1	13088	Cyp2b10	0.15279861 7	3.42445923 4	3.86913938 3	2.96454824 4	-0.814107444
TRCN00001 24982	NM_009998. 4-1290s1c1	13088	Cyp2b10	1.94809367 1	-1.46120823	3.68508170 8	1.58493118	-1.377363107
TRCN00001 24983	NM_009998. 4-535s1c1	13088	Cyp2b10	0.53217116 7	1.11050781 4	1.46432431 9	0.37225419 7	-0.603728791
TRCN00001 25079	NM_007791. 2-993s1c1	13007	Csrp1	2.19315808 5	0.33627651 5	4.20937172 6	0.48188303 3	-0.708593297
TRCN00001 25080	NM_007791. 2-253s1c1	13007	Csrp1	0.03639032 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.134772533
TRCN00001 25081	NM_007791. 2-394s1c1	13007	Csrp1	0.27779851 3	0.48506606 3	3.72521500 6	0.42735393 9	-1.089959124
TRCN00001 25082	NM_007791. 2-577s1c1	13007	Csrp1	1.56730446 1	3.51951527 4	1.41080402 8	3.24472727 6	-1.730185746
TRCN00001 25239	NM_019823. 2-780s1c1	56448	Cyp2d22	0.26352668 3	6.56491404 4	3.85509736 9	1.00671604 3	-2.790800193
TRCN00001 25240	NM_019823. 2-299s1c1	56448	Cyp2d22	-0.97025684	1.36877840 5	3.88919412 7	3.40827436 7	-2.409125935
TRCN00001 25242	NM_019823. 2-566s1c1	56448	Cyp2d22	-0.53672077	1.36877840 5	3.88919412 7	1.45188272 5	-1.811644007
TRCN00001 25243	NM_019823. 2-1285s1c1	56448	Cyp2d22	2.26147067 6	1.71011761 3	0.26599251 8	4.75579930 1	-1.393286221
TRCN00001 25409	NM_173437. 1-6349s1c1	215690	Nav1	0.79171908 5	1.04019382 4	3.50041913 9	9.88628096 8	-3.408793712
TRCN00001 25410	NM_173437. 1-2975s1c1	215690	Nav1	2.14921659 2	3.79285290 4	3.83539553 5	3.24472727 6	-3.255548077
TRCN00001 25411	NM_173437. 1-5672s1c1	215690	Nav1	0.37784098 5	1.36877840 5	4.04996743 8	0.30253192 1	-1.373513727
TRCN00001 25412	NM_173437. 1-979s1c1	215690	Nav1	-0.24019477	1.28399704 4	3.97614233 7	2.73003321 3	-2.057591841

TRCN00001 25413	NM_173437. 1-4915s1c1	215690	Nav1	1.54737793 4	1.62999988 9	1.23836520 4	3.24472727 6	-1.141428609
TRCN00001 25469	NM_025944. 2-1821s1c1	67063	2810432L1 2Rik	0.48418824 5	2.40802448 7	-1.29437527	0.54203761 3	-1.182156404
TRCN00001 25470	NM_025944. 2-974s1c1	67063	2810432L1 2Rik	0.47664424 9	4.36493059 5	-3.43419915	0.23753740 7	0.172906151
TRCN00001 25471	NM_025944. 2-402s1c1	67063	2810432L1 2Rik	0.94472336 1	3.36192032 4	4.46822435 3	1.17200608 5	-0.805758369
TRCN00001 25472	NM_025944. 2-401s1c1	67063	2810432L1 2Rik	0.16003997 5	3.11463803	-4.82919617	1.31431517 9	-0.717208336
TRCN00001 25473	NM_025944. 2-854s1c1	67063	2810432L1 2Rik	0.0829776	1.11050781 4	0.52541351 1	-3.09784689	-0.899990898
TRCN00001 25474	NM_026384. 2-1508s1c1	67800	Dgat2	0.50745466 5	0.66091680 3	5.25933324 3	10.9676794 5	-4.095118708
TRCN00001 25475	NM_026384. 2-659s1c1	67800	Dgat2	1.02176483 8	1.12619138 3	4.22031062 2	4.19364649 8	-2.129595916
TRCN00001 25476	NM_026384. 2-1035s1c1	67800	Dgat2	0.34833314 8	5.44925884 1	0.36580857 5	0.22752956 8	-1.301063462
TRCN00001 25477	NM_026384. 2-1013s1c1	67800	Dgat2	0.01940022 3	-1.46120823	3.88919412 7	3.40827436 7	-2.184819125
TRCN00001 25478	NM_026384. 2-744s1c1	67800	Dgat2	0.63523570 2	1.36877840 5	3.68508170 8	-0.6254801	-1.578643979
TRCN00001 25579	NM_011574. 1-1642s1c1	21771	Cirh1a	0.28694497 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.197411195
TRCN00001 25580	NM_011574. 1-838s1c1	21771	Cirh1a	0.14137640 6	4.30500474 7	0.05222516 6	1.39306790 5	-0.705696401
TRCN00001 25581	NM_011574. 1-1520s1c1	21771	Cirh1a	0.44780962 1	-0.85449665	3.42458491 6	0.01264520 6	-1.184884098
TRCN00001 25582	NM_011574. 1-823s1c1	21771	Cirh1a	0.62774707 7	0.43899801 3	5.48218575 8	1.77277243 5	-1.766552282
TRCN00001 25583	NM_011574. 1-1318s1c1	21771	Cirh1a	3.29512051 8	0.04924024 7	2.98317319 9	5.15735188 8	-2.84660134
TRCN00001 25594	NM_173441. 1-1768s1c1	73473	Iws1	1.64443094 7	1.36877840 5	3.83539553 5	3.40827436 7	-2.564219814
TRCN00001 25597	NM_173441. 1-1767s1c1	73473	Iws1	1.43494420 1	1.36877840 5	3.88919412 7	3.40827436 7	-2.525297775
TRCN00001 25598	NM_173441. 1-1984s1c1	73473	Iws1	0.16792748 5	0.24782402 8	4.68342442 9	3.66450019 2	-2.106955291
TRCN00001 25599	NM_175402. 3-1954s1c1	109095	Rbm15b	0.57962666 5	5.06088053 2	4.68342442 9	0.01164079 8	-2.578072707
TRCN00001 25600	NM_175402. 3-341s1c1	109095	Rbm15b	2.27438904 7	1.36877840 5	3.83539553 5	0.45928068 1	-1.984460917
TRCN00001 25601	NM_175402. 3-1844s1c1	109095	Rbm15b	2.49527932 7	4.33227879 7	2.5208384	3.59616935 6	-0.728082607
TRCN00001 25603	NM_175402. 3-1841s1c1	109095	Rbm15b	0.01940022 3	4.48565259 3	2.45953317 6	-3.1908382	-1.299389349

TRCN00001 25674	NM_133706. 1-898slc1	69071	Tmem97	0.19955003 9	2.27056484 7	3.82041505 1	2.73003321 3	-1.119858364
TRCN00001 25675	NM_133706. 1-459slc1	69071	Tmem97	0.63641684 4	1.28399704 4	4.08194125 4	2.05185553 7	-1.695344248
TRCN00001 25676	NM_133706. 1-395slc1	69071	Tmem97	1.20707349 4	1.36877840 5	3.78353119 7	2.73003321 3	-1.66881733
TRCN00001 25678	NM_133706. 1-332slc1	69071	Tmem97	0.99862244 7	1.36877840 5	3.46486411 1	0.93281935 3	-1.691271079
TRCN00001 25714	NM_009259. 3-222slc1	20737	Spn	0.01940022 3	-1.46120823	3.73346684 1	-3.09784689	-2.068280435
TRCN00001 25716	NM_009259. 3-440slc1	20737	Spn	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 25734	NM_027399. 1-914slc1	70358	Steap1	3.10884069 5	4.54244112 8	2.60360211 3	2.07520287 2	-3.082521702
TRCN00001 25735	NM_027399. 1-430slc1	70358	Steap1	3.08914245 7	3.40329137 8	-3.11227031	8.52428184 1	-4.532246497
TRCN00001 25736	NM_027399. 1-834slc1	70358	Steap1	2.89678913 3	-1.69350329	3.34299952 9	6.09008550 3	-3.505844364
TRCN00001 25737	NM_027399. 1-833slc1	70358	Steap1	0.46743623 3	3.47551335 6	1.62221226 3	4.45234744 9	-2.504377325
TRCN00001 25738	NM_027399. 1-333slc1	70358	Steap1	0.23039543 4	0.08735868 1	1.26866617	2.77967659 4	-0.413511794
TRCN00001 25775	NM_026859. 2-471slc1	68877	Maf1	2.20137976 1	1.36877840 5	3.97614233 7	3.40827436 7	-2.738643718
TRCN00001 25778	NM_026859. 2-679slc1	68877	Maf1	0.03639032 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.162209657
TRCN00001 25849	NM_026139. 2-3321slc1	67416	Armcx2	1.18281506 7	1.27745358 8	4.26712553 4	3.05115752 5	-1.853230395
TRCN00001 25850	NM_026139. 2-2919slc1	67416	Armcx2	0.40879032	1.00463840 4	5.96808912 1	4.94259933 4	-2.876634135
TRCN00001 25851	NM_026139. 2-1118slc1	67416	Armcx2	0.21986342 5	1.19156721 9	3.46486411 1	0.13550239 2	-1.075266378
TRCN00001 25852	NM_026139. 2-2976slc1	67416	Armcx2	0.37090310 8	1.07516105 4	4.61124906 2	10.1507624 5	-3.514438392
TRCN00001 25853	NM_026139. 2-870slc1	67416	Armcx2	0.27098409 9	3.71594111 4	-0.76457049	0.10096943 9	0.644854272
TRCN00001 25999	NM_027890. 3-2923slc1	71733	Susd2	0.27316680 3	1.27745358 8	1.16652447 1	1.20096767 1	-0.242460896
TRCN00001 26000	NM_027890. 3-1951slc1	71733	Susd2	0.69464162 9	3.38550501 7	0.46918608 2	5.64396110 3	-0.620977908
TRCN00001 26001	NM_027890. 3-407slc1	71733	Susd2	0.20644026 5	3.54194828 6	1.69688022 5	2.52836256 1	0.729226554
TRCN00001 26002	NM_027890. 3-1282slc1	71733	Susd2	1.44111525 6	-1.20293764	10.5322287 5	4.26553852 9	-3.639897416
TRCN00001 26003	NM_027890. 3-524slc1	71733	Susd2	1.49417832 2	1.36877840 5	3.83539553 5	3.24472727 6	-1.738680724

TRCN00001 26039	NM_013587. 2-1213slc1	16976	Lrpap1	1.29066389 3	1.36988341 4	2.23999739 9	8.09195301 6	-2.602792484
TRCN00001 26040	NM_013587. 2-966slc1	16976	Lrpap1	0.01940022 3	1.19156721 9	3.92234374 5	3.24472727 6	-2.084809504
TRCN00001 26041	NM_013587. 2-262slc1	16976	Lrpap1	0.13279536 5	0.36138334 5	3.36954668 9	1.57143017 5	-1.178097221
TRCN00001 26042	NM_013587. 2-535slc1	16976	Lrpap1	0.72686416 6	1.36877840 5	0.89321743 1	1.36528826 5	-0.641928351
TRCN00001 26043	NM_013587. 2-111slc1	16976	Lrpap1	1.08087496 6	1.36877840 5	3.88919412 7	3.40827436 7	-1.896342983
TRCN00001 26044	NM_178057. 2-1304slc1	15364	Hmga2	2.53253397 6	1.36877840 5	3.68508170 8	3.24472727 6	-2.707780341
TRCN00001 26045	NM_178057. 2-451slc1	15364	Hmga2	0.18601388 2	1.27745358 8	3.88919412 7	3.40827436 7	-2.09722705
TRCN00001 26046	NM_178057. 2-329slc1	15364	Hmga2	2.44120037 7	1.36877840 5	3.78353119 7	3.40827436 7	-2.750446087
TRCN00001 26048	NM_178057. 2-488slc1	15364	Hmga2	1.91898695 4	-1.46120823	2.22667960 2	3.40827436 7	-1.294293811
TRCN00001 26059	NM_007823. 1-1685slc1	13120	Cyp4b1	0.46148962 3	1.88608216 2	3.50630025 6	3.24472727 6	-2.274649829
TRCN00001 26060	NM_007823. 1-532slc1	13120	Cyp4b1	-1.06696007	-0.85449665	5.23081920 3	-2.71393448	-2.466552601
TRCN00001 26061	NM_007823. 1-705slc1	13120	Cyp4b1	4.10952040 4	-5.95463511	7.37391077 8	8.15575628 7	-6.398455645
TRCN00001 26062	NM_007823. 1-706slc1	13120	Cyp4b1	4.05363812 2	5.96493839 4	7.39991392 2	7.98977233 6	-6.352065694
TRCN00001 26063	NM_007823. 1-775slc1	13120	Cyp4b1	0.95580552 2	1.36877840 5	3.78353119 7	0.27262701 6	-1.117282774
TRCN00001 26144	NM_134222. 1-509slc1	171256	V1ri5	0.09740707 6	1.36877840 5	4.00434830 1	3.40827436 7	-2.170998499
TRCN00001 26147	NM_134222. 1-74slc1	171256	V1ri5	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 26199	NM_025661. 1-895slc1	66612	Ormdl3	1.04809454 2	1.19156721 9	3.98001256 1	0.99648165 2	-1.804038994
TRCN00001 26200	NM_025661. 1-579slc1	66612	Ormdl3	4.63539398 7	1.79317534 6	1.46479957 3	3.40827436 7	-2.093011032
TRCN00001 26201	NM_025661. 1-504slc1	66612	Ormdl3	0.18389236 5	1.37172929 9	4.44186805 1	0.05512804 2	-1.421208257
TRCN00001 26202	NM_025661. 1-294slc1	66612	Ormdl3	1.21308986 7	1.28399704 4	-3.90629713	1.86379414 6	-0.52835254
TRCN00001 26203	NM_025661. 1-494slc1	66612	Ormdl3	0.55573048 3	0.42277722 1	1.11724004 6	2.42822120 3	0.919603628
TRCN00001 26379	NM_009149. 1-3581slc1	20340	Glg1	3.50620160 8	1.36877840 5	3.97614233 7	1.86200924 5	-2.678282899
TRCN00001 26380	NM_009149. 1-1627slc1	20340	Glg1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669

TRCN00001 26381	NM_009149. 1-616s1c1	20340	Glg1	0.33222767 4	1.36877840 5	3.97614233 7	3.40827436 7	-2.271355696
TRCN00001 26382	NM_009149. 1-2889s1c1	20340	Glg1	0.42806784	3.90478001 1	0.87388696 8	1.79195761 7	-0.639660381
TRCN00001 26383	NM_009149. 1-1083s1c1	20340	Glg1	1.03042545 6	1.11042330 9	2.28541166 6	4.68316557 3	-1.722144847
TRCN00001 26454	NM_023516. 3-654s1c1	69573	2310016C0 8Rik	2.04365969 8	0.74284551 5	1.80396548 3	-4.23203479	-2.205626372
TRCN00001 26455	NM_023516. 3-245s1c1	69573	2310016C0 8Rik	1.62746571 5	1.36988341 4	3.99202926 3	3.13408366 4	-2.530865514
TRCN00001 26458	NM_023516. 3-363s1c1	69573	2310016C0 8Rik	0.40477091 2	0.58735289 9	3.20400781 3	3.40827436 7	-1.698716042
TRCN00001 26479	NM_027251. 2-1427s1c1	69894	2010107G2 3Rik	1.73151108 3	1.19156721 9	3.73346684 1	0.35767848 9	-1.574716664
TRCN00001 26480	NM_027251. 2-348s1c1	69894	2010107G2 3Rik	-0.15446284	1.19156721 9	5.86018791 6	0.31360297 1	-1.723153751
TRCN00001 26481	NM_027251. 2-450s1c1	69894	2010107G2 3Rik	0.50035672 1	1.36877840 5	3.88919412 7	2.12112686 9	-1.969864031
TRCN00001 26574	NM_0010352 26.1- 3973s1c1	103573	Xpo1	0.24180442 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.106110618
TRCN00001 26575	NM_0010352 26.1-760s1c1	103573	Xpo1	2.59046034	-1.46120823	3.78353119 7	3.40827436 7	-1.515638364
TRCN00001 26576	NM_0010352 26.1- 1433s1c1	103573	Xpo1	0.19966950 4	0.96089254 1	4.03007691 7	3.40827436 7	-2.149728332
TRCN00001 26577	NM_0010352 26.1-410s1c1	103573	Xpo1	0.09010347 4	0.89152777 5	3.54896178 4	3.24472727 6	-1.943830077
TRCN00001 26607	NM_139311. 1-1269s1c1	246198	Mllt6	1.08005381 4	1.36877840 5	3.88919412 7	3.40827436 7	-1.896548271
TRCN00001 26608	NM_139311. 1-1271s1c1	246198	Mllt6	1.04621001 6	1.36877840 5	3.83539553 5	3.40827436 7	-1.891559573
TRCN00001 26669	NM_172506. 1-3864s1c1	117606	Boc	0.43542002 4	2.43065824 2	1.28174032 1	4.96676060 1	-0.845605664
TRCN00001 26670	NM_172506. 1-3436s1c1	117606	Boc	1.15240461 4	1.27745358 8	4.13573984 7	3.40827436 7	-2.493468104
TRCN00001 26671	NM_172506. 1-3220s1c1	117606	Boc	3.95689378 8	1.27745358 8	3.78353119 7	3.83375501 9	-3.212908398
TRCN00001 26672	NM_172506. 1-2935s1c1	117606	Boc	3.18845831 8	-1.46120823	3.83539553 5	-1.92255741	-2.601904873
TRCN00001 26673	NM_172506. 1-3863s1c1	117606	Boc	0.35116288 1	2.02399502 2	1.07091190 7	4.71047007 5	-1.02713746
TRCN00001 26674	NM_133974. 2-3243s1c1	109332	Cdep1	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00001 26676	NM_133974. 2-2175s1c1	109332	Cdep1	0.00257664 2	1.03376155 7	3.78353119 7	3.24472727 6	-2.014860847
TRCN00001 26904	NM_023041. 2-1101s1c1	19298	Pex19	0.11694209 4	1.27745358 8	0.04507643 7	2.19389277 7	-0.885803006

TRCN00001 26905	NM_023041. 2-362slc1	19298	Pex19	-2.48953379	1.28399704 4	3.88919412 7	3.40827436 7	-2.767749832
TRCN00001 26907	NM_023041. 2-553slc1	19298	Pex19	0.75505714 9	3.49812102 8	1.21157313 9	0.8404873	1.19878108
TRCN00001 27104	NM_010865. 2-1874slc1	17926	Myoc	2.74528392 4	1.27745358 8	3.68508170 8	-1.92255741	-2.407594158
TRCN00001 27105	NM_010865. 2-488slc1	17926	Myoc	0.42679440 6	1.36877840 5	2.62268281 6	0.45928068 1	-1.219384077
TRCN00001 27106	NM_010865. 2-471slc1	17926	Myoc	0.88255933 6	1.28399704 4	0.93787227 7	3.40827436 7	-1.159239618
TRCN00001 27107	NM_010865. 2-220slc1	17926	Myoc	0.93766357 4	2.92372245 9	3.67987159 6	2.99339244 4	-1.136966296
TRCN00001 27108	NM_010865. 2-1445slc1	17926	Myoc	0.50035672 1	1.36877840 5	3.97614233 7	1.74804131 8	-1.898329695
TRCN00001 27419	NM_026345. 2-1626slc1	67729	Manscl	2.34849556 8	0.53382863 7	2.29087083 3	-4.98802784	-2.54030572
TRCN00001 27420	NM_026345. 2-1108slc1	67729	Manscl	0.57796196 2	1.36877840 5	3.88919412 7	3.24472727 6	-2.270165443
TRCN00001 27421	NM_026345. 2-1595slc1	67729	Manscl	3.67951488 2	0.88478098 4	0.23213408 9	1.49660827 4	-1.573259557
TRCN00001 27422	NM_026345. 2-1239slc1	67729	Manscl	0.11387190 4	1.19156721 9	3.68508170 8	3.67020792 7	-2.16518219
TRCN00001 27423	NM_026345. 2-596slc1	67729	Manscl	1.37542915 2	5.56841701 1	0.81773864 6	-3.09784689	0.757065157
TRCN00001 73152	NM_180588. 1-422slc1	72549	Reep4	1.28688923 6	3.36060225 8	0.03999487 9	2.96454824 4	-1.269564036
TRCN00001 73209	NM_024281. 1-2812slc1	81910	Rrbp1	0.01940022 3	1.36877840 5	3.78353119 7	3.40827436 7	-2.135295937
TRCN00001 73357	NM_175099. 2-1897slc1	58887	Repin1	0.01656105 1	1.53867507 3	3.92234374 5	1.45188272 5	-1.732365649
TRCN00001 73377	NM_028975. 2-366slc1	67878	Tmem33	0.42559103 1	4.20738393 3	4.20937172 6	2.62567687 4	-2.867005891
TRCN00001 73412	NM_177354. 2-1887slc1	238328	Vash1	0.68622941 6	1.36877840 5	3.83539553 5	3.24472727 6	-2.283782658
TRCN00001 73453	NM_181409. 2-1842slc1	194126	Mtmt11	0.04328545 8	3.70198311 5	2.42915952 5	2.43946016 6	2.131829337
TRCN00001 73594	NM_030131. 2-453slc1	98417	Cnih4	2.58382826 1	1.27745358 8	5.08567532 1	1.88788845 8	-1.764767178
TRCN00001 73657	NM_010417. 1-716slc1	15203	Heph	3.48040110 7	1.36877840 5	3.97614233 7	3.40827436 7	-3.058399054
TRCN00001 73689	NM_026796. 1-540slc1	226830	Smyd2	0.15942403 5	1.36877840 5	0.98578898 8	0.19374689 8	-0.10432807
TRCN00001 73725	NM_025558. 2-370slc1	66427	Cyb5b	1.04288723 6	1.36877840 5	3.78353119 7	3.67020792 7	-1.944907573
TRCN00001 73739	NM_172604. 1-1437slc1	219151	Scara3	0.50966767 4	2.26403804 7	3.81481817 4	1.22395861 9	-0.209122296

TRCN00001 73777	NM_010700. 1-1304s1c1	16835	Ldlr	-3.00870108	1.19156721 9	3.68508170 8	3.26801146 4	-2.788340368
TRCN00001 73780	NM_024281. 1-2688s1c1	81910	Rrbp1	0.38971484 2	2.94940805 3	1.67690706 2	1.45487888 3	-0.584416258
TRCN00001 73891	NM_026521. 3-404s1c1	68036	Zfp706	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00001 73921	NM_134052. 1-487s1c1	104923	Adi1	1.84521606 5	1.36877840 5	3.73346684 1	-3.09784689	-2.51132705
TRCN00001 73975	NM_199042. 1-500s1c1	73754	Thap1	0.93615752 2	1.36877840 5	3.88919412 7	3.24472727 6	-1.891635572
TRCN00001 74007	NM_134052. 1-859s1c1	104923	Adi1	0.88025549 6	1.36877840 5	3.78353119 7	3.40827436 7	-1.920082118
TRCN00001 74024	NM_175099. 2-2099s1c1	58887	Repin1	0.10751213 5	0.47554712 9	0.35576147 2	3.39002889 5	-1.082212408
TRCN00001 74028	NM_024281. 1-368s1c1	81910	Rrbp1	-0.4394409	5.85443608 4	1.11934151 9	0.84593391 2	-1.505117344
TRCN00001 74037	NM_024281. 1-685s1c1	81910	Rrbp1	0.32112057 8	1.36877840 5	1.33385192 6	1.02939823 1	-1.013287285
TRCN00001 74307	NM_198161. 1-1766s1c1	70237	Bhlhb9	0.98355650 3	5.69832136 3	1.81987228 1	2.86417716 8	0.499457104
TRCN00001 74312	NM_010700. 1-2457s1c1	16835	Ldlr	1.52272159 5	1.12619138 3	4.58822438 3	1.42663716 4	-2.165943631
TRCN00001 74318	NM_026796. 1-435s1c1	226830	Smyd2	0.93416380 6	4.65600096 8	0.64810985 2	7.79554255 7	-3.508454296
TRCN00001 74324	NM_030131. 2-66s1c1	98417	Cnih4	4.82845162 1	1.76823333 2	0.30098015 4	3.86679621 7	-2.691115331
TRCN00001 74374	NM_028975. 2-625s1c1	67878	Tmem33	0.50868978 2	1.70823077 3	0.05992788 3	2.22958754 9	-1.126608997
TRCN00001 74451	NM_018759. 1-1192s1c1	54367	Zfp326	0.24180442 7	1.36877840 5	3.83539553 5	3.67020792 7	-2.15814436
TRCN00001 74483	NM_025813. 1-2107s1c1	66868	Mfsd1	0.93461730 8	1.45674636 1	4.09531084 8	1.77764229 9	-1.177258055
TRCN00001 74517	NM_030131. 2-72s1c1	98417	Cnih4	4.70046969 2	5.37729216 3	1.84170515 6	5.91542185 8	-1.770076136
TRCN00001 74668	NM_134052. 1-255s1c1	104923	Adi1	1.49761350 4	4.19398164 3	0.97216111 2	0.46180595 2	-1.781390553
TRCN00001 74682	NM_010417. 1-4519s1c1	15203	Heph	0.62797265 3	1.19156721 9	2.52281436 2	-1.92255741	-1.566227911
TRCN00001 74730	NM_030013. 1-704s1c1	77951	Cyp20a1	2.94641158 4	0.89152777 5	2.18229291 1	-4.38685827	-1.128566843
TRCN00001 74746	NM_0010133 91.1- 2705s1c1	432508	Cpsf6	1.98235570 6	0.05971878	0.25058053 8	-4.55149825	-1.55588866
TRCN00001 74749	NM_018759. 1-2255s1c1	54367	Zfp326	0.17141156 4	1.27745358 8	3.88919412 7	3.40827436 7	-2.10087763
TRCN00001 74767	NM_172604. 1-1512s1c1	219151	Scara3	0.50500284 7	0.82114802 7	-2.9392537	0.93281935 3	-0.888981968

TRCN00001 74795	NM_010700. 1-1864s1c1	16835	Ldlr	1.70549810 8	1.27745358 8	0.80578394 4	2.24263400 5	-1.104950439
TRCN00001 74802	NM_026521. 3-2260s1c1	68036	Zfp706	2.37998094 2	0.98827494 9	0.20893437 5	5.79048454 1	-2.341918702
TRCN00001 74824	NM_180588. 1-210s1c1	72549	Reep4	0.29667208 2	1.70752493 8	3.68508170 8	0.06810224 7	-1.256958079
TRCN00001 74832	NM_009009. 2-1068s1c1	19357	Rad21	1.39185733 3	1.28399704 4	4.27897056 2	2.41939409 4	-2.343554758
TRCN00001 74919	NM_028975. 2-553s1c1	67878	Tmem33	-0.78997116	-4.06166978	1.08898881 8	0.84114290 4	-1.695443166
TRCN00001 74981	NM_022979. 1-1475s1c1	269966	Nup98	0.01940022 3	-1.20293764	3.80721956 2	1.74804131 8	-1.684699574
TRCN00001 75002	NM_181409. 2-2180s1c1	194126	Mtmr11	2.90556237	1.36877840 5	3.88919412 7	3.24472727 6	-1.39928436
TRCN00001 75008	NM_009287. 2-1670s1c1	20866	Stim1	0.28117541 3	1.11050781 4	3.63826679 6	6.98550712 5	-3.003864287
TRCN00001 75016	NM_029083. 1-1059s1c1	74747	Ddit4	0.60822256 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.318617366
TRCN00001 75022	NM_145975. 2-2534s1c1	212880	Ddx46	0.50035672 1	1.36877840 5	4.00434830 1	2.43719965 6	-2.077670771
TRCN00001 75103	NM_134052. 1-281s1c1	104923	Adi1	0.73026026 5	0.16279812 9	0.68265522 3	6.34161281 4	-1.897932543
TRCN00001 75109	NM_145975. 2-3234s1c1	212880	Ddx46	1.06352208 9	5.36041304 1	0.66530893 6	4.69726595 4	-2.414866461
TRCN00001 75139	NM_009287. 2-2333s1c1	20866	Stim1	1.25078918 3	-1.46120823	1.87299560 6	3.66450019 2	-2.062373303
TRCN00001 75156	NM_028975. 2-201s1c1	67878	Tmem33	0.68196306 1	0.38333865 6	4.33533828 8	3.70732804 8	-2.276992013
TRCN00001 75158	NM_029083. 1-1379s1c1	74747	Ddit4	3.48682986 3	3.40172191 2	3.86913938 3	2.96454824 4	-1.729698895
TRCN00001 75163	NM_145952. 1-377s1c1	209478	Tbc1d12	0.03639032 2	1.36877840 5	3.83539553 5	3.40827436 7	-2.162209657
TRCN00001 75168	NM_177715. 3-1010s1c1	239217	Kctd12	0.09528427 5	-1.85109597	5.12035916 1	0.67580843 5	-1.887994823
TRCN00001 75282	NM_010417. 1-4506s1c1	15203	Heph	0.19201418 2	0.42400646 4	0.62260049 4	4.20732670 2	-1.050186714
TRCN00001 75288	NM_026521. 3-375s1c1	68036	Zfp706	0.55136206 3	5.47752859 5	5.03339174 8	4.97128036 4	-4.008390693
TRCN00001 75303	NM_0010133 91.1-511s1c1	432508	Cpsf6	0.01341120 4	1.11050781 4	3.92234374 5	1.86937571 9	-1.728909621
TRCN00001 75325	NM_173759. 2-198s1c1	225583	A730017C2 ORik	0.02413225 7	0.89152777 5	0.91732197 8	0.53700606 6	-0.323993986
TRCN00001 75372	NM_030013. 1-848s1c1	77951	Cyp20a1	-0.1095527	1.05332236 6	0.16430499 6	0.34489203 8	-0.163419508
TRCN00001 75403	NM_133662. 1-578s1c1	15937	Ier3	3.65370333 5	5.37646442 1	1.90183631 4	2.96454824 4	-0.696368254

TRCN00001 75412	NM_172604. 1-1009s1c1	219151	Scara3	2.36953476 6	1.27745358 8	3.83539553 5	2.96454824 4	-2.611733033
TRCN00001 75432	NM_026521. 3-1388s1c1	68036	Zfp706	1.07570443 1	5.81341902 5	3.98315664 4	1.39934502 6	-1.830381553
TRCN00001 75448	NM_173759. 2-1102s1c1	225583	A730017C2 ORik	3.38526688 4	-0.53352013	0.31316402 4	2.43514789 1	-0.292618775
TRCN00001 75451	NM_177715. 3-1017s1c1	239217	Kctd12	-3.63711873	1.36988341 4	4.35629284 9	1.06308340 8	-2.6065946
TRCN00001 75475	NM_010417. 1-2944s1c1	15203	Heph	0.63900140 2	5.58357364 6	0.36968756 3	-2.04866698	-2.160232398
TRCN00001 75497	NM_177715. 3-1008s1c1	239217	Kctd12	0.12554948 3	3.47233721 9	8.19553446 5	3.62094888 6	-3.790817772
TRCN00001 75503	NM_009009. 2-138s1c1	19357	Rad21	1.69587148 9	1.19156721 9	1.43046053 5	-3.09784689	-1.138706266
TRCN00001 75530	NM_025558. 2-2183s1c1	66427	Cyb5b	2.30877812 3	1.36877840 5	4.13573984 7	3.40827436 7	-2.805392686
TRCN00001 75560	NM_028975. 2-552s1c1	67878	Tmem33	0.81176680 1	3.85896077 2	0.98783151 7	1.18556400 6	-1.217115016
TRCN00001 75703	NM_175099. 2-2746s1c1	58887	Repin1	0.60226312 6	1.27745358 8	5.26973618 6	2.22938084 1	-2.043576872
TRCN00001 75751	NM_024281. 1-663s1c1	81910	Rrbp1	0.68101262 7	2.95626621 3	0.79144276 4	0.21520380 9	0.82047504
TRCN00001 75755	NM_026796. 1-1428s1c1	226830	Smyd2	2.35028382 8	1.36877840 5	3.83539553 5	3.24472727 6	-2.699796261
TRCN00001 75798	NM_172049. 1-266s1c1	211986	Tmem18	0.23505916 4	1.36877840 5	3.83539553 5	3.24472727 6	-2.170990095
TRCN00001 75822	NM_030013. 1-141s1c1	77951	Cyp20a1	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 75838	NM_199042. 1-848s1c1	73754	Thap1	0.89768231 8	1.36877840 5	3.88919412 7	2.12112686 9	-1.620354271
TRCN00001 75843	NM_010417. 1-4102s1c1	15203	Heph	0.60295222 6	5.48987399 2	3.02563261 4	8.25532836 2	-4.343446799
TRCN00001 75873	NM_009009. 2-2945s1c1	19357	Rad21	0.96926871 5	1.36877840 5	3.88919412 7	0.87184797 7	-1.290137949
TRCN00001 75879	NM_025813. 1-687s1c1	66868	Mfsd1	0.13222541 7	1.36988341 4	7.61304302 2	3.03809830 7	-3.03831254
TRCN00001 75907	NM_181409. 2-1244s1c1	194126	Mttr11	0.92126813 3	3.56187958 1	1.17202024 6	-3.09784689	-1.60224359
TRCN00001 75920	NM_026796. 1-1405s1c1	226830	Smyd2	0.54994031 7	1.36877840 5	3.88919412 7	2.35145649 9	-1.764872179
TRCN00001 75978	NM_030131. 2-485s1c1	98417	Cnih4	0.37683382 4	1.99390217 3	4.20597902 2	4.48155683 1	-2.576151051
TRCN00001 76009	NM_025449. 2-678s1c1	66257	Nicn1	2.72311135 5	1.36877840 5	3.83539553 5	3.40827436 7	-1.472334238
TRCN00001 76035	NM_173759. 2-489s1c1	225583	A730017C2 ORik	0.28694497 2	1.36877840 5	4.15557313 4	3.24472727 6	-2.264005947

TRCN00001 76045	NM_010700. 1-1457s1c1	16835	Ldlr	3.45226852 7	1.36877840 5	3.88919412 7	3.83375501 9	-3.13599902
TRCN00001 76084	NM_009009. 2-1288s1c1	19357	Rad21	0.01940022 3	1.36877840 5	3.88919412 7	2.52836256 1	-1.941733718
TRCN00001 76093	NM_025813. 1-996s1c1	66868	Mfsd1	0.45175279 3	-1.46120823	4.53485062 8	3.16870976 4	-2.178253957
TRCN00001 76094	NM_026796. 1-1098s1c1	226830	Smyd2	0.27927712 3	2.17286195 6	3.83539553 5	4.79228316 3	-2.630315883
TRCN00001 76118	NM_198161. 1-1209s1c1	70237	Bhlhb9	2.37559236 1	2.70842805 3	3.49543216 5	3.40827436 7	-0.45492153
TRCN00001 76158	NM_022979. 1-1758s1c1	269966	Nup98	0.00141879 2	0.53603994 1	3.83539553 5	3.40827436 7	-1.676552792
TRCN00001 76170	NM_030131. 2-103s1c1	98417	Cnih4	1.97936115 2	1.36877840 5	3.88919412 7	3.40827436 7	-2.661402013
TRCN00001 76203	NM_133662. 1-647s1c1	15937	Ier3	3.74436922 4	1.36877840 5	3.88919412 7	-3.09784689	-1.15286255
TRCN00001 76205	NM_145975. 2-1459s1c1	212880	Ddx46	2.39261254 4	1.36877840 5	3.97614233 7	0.25206578 1	-0.675060604
TRCN00001 76213	NM_180588. 1-425s1c1	72549	Reep4	-2.21518711	1.36877840 5	3.83539553 5	2.62567687 4	-2.511259481
TRCN00001 76235	NM_030013. 1-179s1c1	77951	Cyp20a1	0.01940022 3	1.36877840 5	3.88919412 7	2.52836256 1	-1.941733718
TRCN00001 76294	NM_025558. 2-765s1c1	66427	Cyb5b	1.00966356 1	1.00463840 4	9.17271355 8	3.77451491 5	-3.74038261
TRCN00001 76302	NM_030013. 1-311s1c1	77951	Cyp20a1	2.52672557 3	1.27745358 8	0.25681212	2.84253081 2	-1.597474463
TRCN00001 76315	NM_198161. 1-1908s1c1	70237	Bhlhb9	0.99335466 9	1.36877840 5	3.74476251 5	3.39002889 5	-2.374231121
TRCN00001 76329	NM_029083. 1-868s1c1	74747	Ddit4	3.02176818 5	0.82534563 1	1.79181992 9	0.27503302 8	-0.582581729
TRCN00001 76360	NM_172604. 1-1329s1c1	219151	Scara3	1.20942337 7	1.36877840 5	0.51823345 8	0.82174079 1	-0.309556883
TRCN00001 76363	NM_180588. 1-193s1c1	72549	Reep4	1.99806782 4	1.19156721 9	2.71682593 1	2.84253081 2	-2.187247947
TRCN00001 76368	NM_198161. 1-406s1c1	70237	Bhlhb9	2.99282127 2	1.36877840 5	3.68508170 8	0.76122614 2	-1.821363811
TRCN00001 76401	NM_0010133 91.1-350s1c1	432508	Cpsf6	0.02981093 8	1.27745358 8	3.68508170 8	3.85148543 3	-2.196052448
TRCN00001 76458	NM_172660. 1-941s1c1	227695	D2Wsu81e	0.01940022 3	1.27745358 8	3.88919412 7	3.67020792 7	-2.204363855
TRCN00001 76487	NM_175451. 1-694s1c1	216197	Ckap4	0.85468615 6	-1.20293764	4.24057524 9	1.32386523 8	-1.478172993
TRCN00001 76516	NM_175465. 2-2504s1c1	228071	Sestd1	0.40774684 8	1.03376155 7	3.82647785 5	3.23275583 9	-1.921312101
TRCN00001 76523	NM_178901. 2-262s1c1	101602	AI467606	-4.4504446	0.82534563 1	3.98001256 1	7.37066731 8	-4.156617528

TRCN00001 76542	NM_053078. 3-1574s1c1	27528	D0H4S114	2.31184321 6	0.96089254 1	3.38539981 5	1.84766584 2	-1.202617433
TRCN00001 76614	NM_177889. 2-1647s1c1	330502	Zfp82	0.12393151 3	1.27745358 8	3.88919412 7	3.24472727 6	-2.133826626
TRCN00001 76661	NM_027171. 1-578s1c1	69697	2310057J16 Rik	1.40104063 7	0.58735289 9	4.10370879 6	0.74785568 4	-1.709989504
TRCN00001 76687	NM_013865. 1-1380s1c1	29812	Ndr3	0.97572657 9	1.36877840 5	3.63826679 6	3.24472727 6	-2.306874764
TRCN00001 76771	NM_016854. 1-1122s1c1	53412	Ppp1r3c	0.06027727 1	-1.20293764	2.77657978 4	4.25623944 6	-0.655580008
TRCN00001 76813	NM_026515. 1-729s1c1	68026	2810417H1 3Rik	3.09658671 8	0.93467280 3	0.27300317 3	3.91371400 6	-1.917992589
TRCN00001 76852	NM_178901. 2-257s1c1	101602	AI467606	0.07657536 2	1.28399704 4	2.26334570 7	6.90016459 1	-1.499347823
TRCN00001 76958	NM_011513. 1-395s1c1	20933	Surf5	0.83171260 2	1.11050781 4	5.25615739 8	3.40827436 7	-2.235806744
TRCN00001 76960	NM_016854. 1-606s1c1	53412	Ppp1r3c	0.69826114	1.19156721 9	4.15557313 4	0.25206578 1	-1.099203358
TRCN00001 77027	NM_0010332 64.1-910s1c1	216456	Gls2	-2.19080893	1.27745358 8	3.88919412 7	2.96454824 4	-2.580501222
TRCN00001 77052	NM_175465. 2-585s1c1	228071	Sestd1	1.37410399 8	1.36877840 5	7.35876412 5	-0.6254801	-2.681781657
TRCN00001 77127	NM_027250. 2-549s1c1	69893	2010305A1 9Rik	0.20173001 5	1.19156721 9	0.70752397 6	2.05185553 7	-0.937304179
TRCN00001 77131	NM_145229. 1-497s1c1	246735	AY074887	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00001 77304	NM_175465. 2-1414s1c1	228071	Sestd1	0.52061539 7	1.19156721 9	8.71566202 1	3.02416321 3	-3.363001963
TRCN00001 77384	NM_0010138 06.1- 1026s1c1	433667	Ankrd13c	0.83697208 9	0.82256527 9	2.15130074 9	5.14024865 8	-1.162121319
TRCN00001 77437	NM_026116. 2-768s1c1	67378	Bbs2	0.91023878 6	1.27745358 8	3.88919412 7	10.1951756 9	-4.068015548
TRCN00001 77451	NM_175451. 1-1642s1c1	216197	Ckap4	0.01940022 3	1.36877840 5	3.46486411 1	2.84253081 2	-1.914193276
TRCN00001 77452	NM_175451. 1-693s1c1	216197	Ckap4	0.07485295 6	1.03376155 7	4.37417060 8	6.07936122 4	-2.853110108
TRCN00001 77489	NM_175451. 1-2714s1c1	216197	Ckap4	0.32488775 6	0.79127274 8	2.71056633 5	0.08382804 1	-0.582002346
TRCN00001 77554	NM_026116. 2-2121s1c1	67378	Bbs2	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 77569	NM_177687. 2-1096s1c1	232430	Crebl2	0.19733224 2	1.36877840 5	2.93710886 9	1.98575845 3	-0.055023937
TRCN00001 77579	NM_027171. 1-3740s1c1	69697	2310057J16 Rik	0.06987424 8	0.56241007 6	1.64034200 5	0.53662707 1	-0.433999815
TRCN00001 77629	NM_033560. 2-1701s1c1	52348	Vps37a	1.78128306 9	2.84059082 2	7.34774704 5	4.91831514 9	-4.221984021

TRCN00001 77644	NM_023719. 1-467slc1	56338	Txnip	0.26491632 2	2.92372245 9	3.63826679 6	2.71443489 1	-2.252876956
TRCN00001 77664	NM_177687. 2-259slc1	232430	Crebl2	-1.72839878	1.36877840 5	0.35280930 2	3.39002889 5	-1.710003846
TRCN00001 77715	NM_011513. 1-304slc1	20933	Surf5	0.30345923 5	1.36877840 5	1.32816834 2	1.28359843 8	-0.919271488
TRCN00001 77738	NM_027250. 2-1691slc1	69893	2010305A1 9Rik	0.58054457 7	1.00463840 4	3.91310098 5	5.07837438 7	-2.644164588
TRCN00001 77739	NM_027250. 2-342slc1	69893	2010305A1 9Rik	0.76765262 9	1.36877840 5	3.83539553 5	1.08272697 9	-1.222274898
TRCN00001 77813	NM_178901. 2-968slc1	101602	AI467606	1.71344826 8	1.36877840 5	3.68508170 8	0.06780216 2	-0.852053502
TRCN00001 77847	NM_178901. 2-251slc1	101602	AI467606	0.84703242 6	1.36877840 5	4.31551066 8	-3.09784689	-2.407292097
TRCN00001 77859	NM_027250. 2-2627slc1	69893	2010305A1 9Rik	1.54234817 8	3.94415480 4	6.49209977 6	2.27855570 9	-0.45293436
TRCN00001 77898	NM_145229. 1-576slc1	246735	AY074887	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00001 77991	NM_0010332 64.1- 1501slc1	216456	Gls2	0.57760237 2	1.36877840 5	4.05814689 3	3.24472727 6	-2.312313737
TRCN00001 78079	NM_053078. 3-175slc1	27528	D0H4S114	0.72472485 6	1.11050781 4	3.59292338 6	3.24472727 6	-2.168220833
TRCN00001 78095	NM_175465. 2-1863slc1	228071	Sestd1	0.82758277 4	0.06367271 3	3.97614233 7	2.62567687 4	-1.841432318
TRCN00001 78160	NM_023719. 1-554slc1	56338	Txnip	0.40535525 2	5.24104519 9	0.41207165 6	2.15221546 2	-1.846636064
TRCN00001 78187	NM_023719. 1-1475slc1	56338	Txnip	3.76116394 6	2.61020937 9	3.92234374 5	3.40827436 7	-2.12039317
TRCN00001 78219	NM_053086. 1-1718slc1	70769	Nolc1	4.55786158 3	0.79887345 1	8.24471292 1	4.16191291 1	-1.7624727
TRCN00001 78238	NM_181400. 2-2385slc1	99512	Wdr47	1.67989618 6	1.36877840 5	3.88919412 7	3.24472727 6	-2.545648999
TRCN00001 78371	NM_177687. 2-407slc1	232430	Crebl2	3.23767980 2	1.19156721 9	-1.20782339	2.62567687 4	-2.065686821
TRCN00001 78405	NM_177687. 2-429slc1	232430	Crebl2	0.01424478 7	1.27745358 8	3.83539553 5	10.6158988 8	-3.928625804
TRCN00001 78412	NM_0010138 06.1- 1328slc1	433667	Ankrd13c	0.20671117 4	-2.77700567	-4.05364444	0.96231938 2	-1.518760476
TRCN00001 78429	NM_134182. 1-573slc1	171200	V1rc27	0.16218791 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.207108704
TRCN00001 78616	NM_026515. 1-152slc1	68026	2810417H1 3Rik	1.35413844 2	1.36877840 5	3.92234374 5	1.40568556 4	-0.632824536
TRCN00001 78772	NM_013655. 2-268slc1	20315	Cxcl12	-2.48953379	1.29963907 4	4.02850005 4	3.67020792 7	-2.871970211
TRCN00001 78862	NM_139198. 1-501slc1	231507	Plac8	0.40142336 9	1.42480139 7	1.95797354 2	0.89374168 6	-0.521902471

TRCN00001 79093	NM_008970. 1-1300s1c1	19227	Pthlh	0.61408734 3	0.06746095 5	2.75257913 7	2.89771680 1	-1.549230582
TRCN00001 79809	NM_028760. 1-2017s1c1	74107	Cep55	0.03566538 5	1.28399704 4	0.32507494 5	0.34791719 1	-0.480330949
TRCN00001 80105	NM_026162. 2-1105s1c1	67448	Plxdc2	0.06406445 1	1.27745358 8	0.91000548	2.90166319 5	-0.801261713
TRCN00001 80354	NM_139198. 1-381s1c1	231507	Plac8	0.71689122 9	1.27745358 8	3.83539553 5	2.96454824 4	-1.840126535
TRCN00001 80565	NM_145223. 1-6112s1c1	236266	Alms1	1.63467315 5	1.19156721 9	1.44575521 9	0.20931322 7	0.524543596
TRCN00001 80583	NM_008970. 1-900s1c1	19227	Pthlh	3.36211784 2	1.44640993 4	2.00051062 8	3.03756035	0.738189408
TRCN00001 80626	NM_026162. 2-1563s1c1	67448	Plxdc2	1.99407595 9	1.36877840 5	3.78353119 7	0.29018002 1	-1.859141396
TRCN00001 80629	NM_175360. 2-1448s1c1	108689	Obfc1	0.11385809 9	1.60388448 1	3.72521500 6	2.24866434 5	-0.79857331
TRCN00001 80836	NM_175360. 2-308s1c1	108689	Obfc1	1.40142729 6	1.27745358 8	2.87066856 4	2.62567687 4	-1.343092933
TRCN00001 81096	NM_026162. 2-899s1c1	67448	Plxdc2	0.04965883 6	1.36877840 5	3.88919412 7	-4.42908562	-2.434179247
TRCN00001 81234	NM_181400. 2-781s1c1	99512	Wdr47	1.90638075 9	1.27745358 8	3.83539553 5	-3.09784689	-2.529269193
TRCN00001 81236	NM_199467. 1-3367s1c1	212377	F730047E0 7Rik	2.78424238 9	0.14310071 2	1.74795408 8	0.09798566 8	-1.121770358
TRCN00001 81269	NM_026931. 1-258s1c1	69068	1810011O1 ORik	0.01940022 3	1.27745358 8	3.97614233 7	2.96454824 4	-2.049685987
TRCN00001 81331	NM_172660. 1-597s1c1	227695	D2Wsu81e	0.01940022 3	-1.46120823	3.92234374 5	3.40827436 7	-2.19310653
TRCN00001 81365	NM_199467. 1-3069s1c1	212377	F730047E0 7Rik	3.21903548 5	1.36877840 5	3.73346684 1	2.73003321 3	-2.762828486
TRCN00001 81578	NM_023719. 1-1474s1c1	56338	Txnip	2.72600666 1	2.65146527 4	3.82041505 1	2.52836256 1	-1.60582975
TRCN00001 81647	NM_199467. 1-1674s1c1	212377	F730047E0 7Rik	0.46575174 6	1.36877840 5	3.92234374 5	0.90736368 4	-1.666059395
TRCN00001 81674	NM_0010138 06.1- 1869s1c1	433667	Ankrd13c	-3.94043492	1.36877840 5	4.17376445 5	3.70277936 1	-3.296439285
TRCN00001 81767	NM_0010138 06.1-539s1c1	433667	Ankrd13c	0.58178551 1	1.19156721 9	4.15557313 4	0.60193333 8	-1.331748132
TRCN00001 81847	NM_053086. 1-1367s1c1	70769	Nolc1	0.01940022 3	-1.46120823	3.88919412 7	3.40827436 7	-2.184819125
TRCN00001 81888	NM_181400. 2-573s1c1	99512	Wdr47	0.51251323 4	-0.85449665	4.00434830 1	0.27037083 1	-1.410432254
TRCN00001 81891	NM_013768. 1-1547s1c1	27374	Prmt5	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00001 81911	NM_011513. 1-313s1c1	20933	Surf5	0.92493162 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.397794631

TRCN00001 81974	NM_0010138 06.1- 1441s1c1	433667	Ankrd13c	0.45274810 1	1.27745358 8	0.08550113 8	3.55230234 2	-1.072876673
TRCN00001 82145	NM_027171. 1-2740s1c1	69697	2310057J16 Rik	2.20304951 1	4.84427100 8	3.88919412 7	3.24472727 6	-3.545310481
TRCN00001 82150	NM_134182. 1-463s1c1	171200	V1rc27	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00001 82229	NM_013768. 1-1846s1c1	27374	Prmt5	-4.59554324	5.75920656 5	3.26437797 4	0.15690890 4	-1.811820184
TRCN00001 82355	NM_013865. 1-264s1c1	29812	Ndr3	2.56378907 7	1.36877840 5	3.93162742 7	3.40827436 7	-1.536222781
TRCN00001 82360	NM_023719. 1-1049s1c1	56338	Txnip	1.03629527 4	1.36877840 5	3.83539553 5	3.40827436 7	-1.894038258
TRCN00001 82422	NM_026515. 1-598s1c1	68026	2810417H1 3Rik	1.53006500 6	1.28399704 4	3.87047940 7	2.84253081 2	-2.381768067
TRCN00001 82463	NM_027171. 1-3417s1c1	69697	2310057J16 Rik	0.86331546 5	1.19156721 9	3.73346684 1	0.77484437 1	-1.253376289
TRCN00001 82693	NM_013768. 1-205s1c1	27374	Prmt5	2.43412334 1	-5.24613171	3.15336047 7	3.24472727 6	-1.942905463
TRCN00001 82799	NM_181400. 2-637s1c1	99512	Wdr47	1.98419536 8	2.45610116 2	3.83539553 5	0.93281935 3	-2.302127855
TRCN00001 82908	NM_028760. 1-1491s1c1	74107	Cep55	1.42202674 3	1.36877840 5	3.54896178 4	1.22616359 7	-1.891482632
TRCN00001 83022	NM_023118. 1-2794s1c1	13132	Dab2	0.40153674 7	1.36877840 5	-4.60430091	8.02800346 8	-3.600654883
TRCN00001 83083	NM_028760. 1-1146s1c1	74107	Cep55	2.85214317 6	1.27745358 8	4.10370879 6	0.95357042 5	-2.296718996
TRCN00001 83154	NM_029523. 2-2796s1c1	76131	Depdc1a	0.52651004 3	4.25365314 9	7.81343756 5	0.06572149	-3.131969817
TRCN00001 83191	NM_145223. 1-4999s1c1	236266	Alms1	1.76492285 3	1.36877840 5	3.78353119 7	3.24472727 6	-2.540489933
TRCN00001 83258	NM_013625. 1-2052s1c1	18472	Pafah1b1	2.69119098 9	1.36877840 5	3.73346684 1	3.40827436 7	-2.800427651
TRCN00001 83272	NM_029523. 2-2209s1c1	76131	Depdc1a	1.67518059 6	5.00305467 6	1.92592485 1	3.45755996 3	0.323687615
TRCN00001 83439	NM_013625. 1-1433s1c1	18472	Pafah1b1	0.57760237 2	-1.46120823	3.83539553 5	3.24472727 6	-2.279733353
TRCN00001 83516	NM_013625. 1-905s1c1	18472	Pafah1b1	5.32685937 9	1.28468507 7	3.80721956 2	1.01036753 8	-2.857282889
TRCN00001 83560	NM_028760. 1-1037s1c1	74107	Cep55	0.56293181 1	1.04074024 3	0.34909559 2	2.25068124 8	-0.0744784
TRCN00001 83727	NM_029523. 2-2773s1c1	76131	Depdc1a	0.02723878 7	1.15274925 9	-1.90452278	2.78909250 4	-0.060235187
TRCN00001 83730	NM_145223. 1-6046s1c1	236266	Alms1	1.12788838	1.28980058 7	-4.62992137	3.53097709 4	-2.080702668
TRCN00001 83752	NM_023118. 1-2248s1c1	13132	Dab2	0.13464354 4	1.36877840 5	3.55181232 1	1.86568114 5	-0.730066509

TRCN00001 83808	NM_029523. 2-854s1c1	76131	Depdc1a	0.06608672 4	1.55834291 3	9.02332194 6	2.34659617 8	-3.24858694
TRCN00001 83842	NM_145223. 1-7746s1c1	236266	Alms1	0.80539589 1	0.79387711 7	4.54618120 5	-5.33040889	-2.46626783
TRCN00001 83862	NM_029523. 2-1764s1c1	76131	Depdc1a	0.39837623 9	0.96089254 1	3.83946910 5	1.97759716 3	-0.805285181
TRCN00001 83873	NM_013625. 1-1734s1c1	18472	Pafah1b1	0.72680047	1.27745358 8	3.59292338 6	2.05713535 5	-0.521610287
TRCN00001 83874	NM_013655. 2-319s1c1	20315	Cxc112	1.69382291 7	1.36877840 5	3.83539553 5	3.40827436 7	-1.729656348
TRCN00001 83990	NM_175360. 2-370s1c1	108689	Obfc1	2.75165436 2	0.61261469 8	1.82051544 7	1.59461247 1	-1.388541896
TRCN00001 84217	NM_023118. 1-791s1c1	13132	Dab2	0.66739528 9	1.36877840 5	3.88919412 7	3.24472727 6	-2.292523774
TRCN00001 84249	NM_026162. 2-982s1c1	67448	Plxdc2	1.76629437 6	0.57510224 2	-3.47903766	2.28748989 6	-1.143833856
TRCN00001 84458	NM_139198. 1-379s1c1	231507	Plac8	1.64556697 1	1.36877840 5	3.83539553 5	2.12112686 9	-2.242716945
TRCN00001 84485	NM_139198. 1-312s1c1	231507	Plac8	0.14188839 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.202033825
TRCN00001 85009	NM_146724. 1-670s1c1	258719	Olfr512	0.01940022 3	1.19156721 9	3.88919412 7	3.83375501 9	-2.223779036
TRCN00001 85365	XM_109868. 4-465s1c1	319939	Tns3	1.16973813 2	6.34006577 8	3.92234374 5	6.76035726 4	-3.963257164
TRCN00001 86210	NM_146456. 1-511s1c1	258448	Olfr92	0.01940022 3	1.36988341 4	3.88919412 7	3.40827436 7	-2.161987921
TRCN00001 86310	XM_109868. 4-4083s1c1	319939	Tns3	0.04362547 9	4.07837920 5	2.84269774 4	-1.12216442	0.03928563
TRCN00001 86969	XM_109868. 4-1863s1c1	319939	Tns3	2.38796823 1	1.27745358 8	2.34222807 1	1.12522416 2	0.581879638
TRCN00001 87071	NM_146724. 1-255s1c1	258719	Olfr512	0.17141156 4	1.36877840 5	3.87047940 7	3.40827436 7	-2.119030154
TRCN00001 87106	XM_484705. 1-2678s1c1	13510	Dsg1a	3.31717833 8	1.36877840 5	6.01189937 2	1.66126368 9	-3.089779951
TRCN00001 87399	XM_484705. 1-3437s1c1	13510	Dsg1a	2.68618087 7	1.11050781 4	0.25791019 8	1.19385485 3	-0.58623091
TRCN00001 87469	XM_484705. 1-489s1c1	13510	Dsg1a	2.15260787 5	1.36877840 5	4.22562879 3	2.73003321 3	-1.542958134
TRCN00001 87505	NM_146957. 1-571s1c1	258959	Olfr170	0.01940022 3	1.36877840 5	3.88919412 7	-3.09784689	-2.0841048
TRCN00001 87641	NM_146456. 1-669s1c1	258448	Olfr92	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 89220	XM_109868. 4-1741s1c1	319939	Tns3	0.87520760 7	1.36877840 5	3.95248396 3	3.40827436 7	-1.963582282
TRCN00001 89434	NM_013538. 3-1038s1c1	14793	Cdca3	1.16332369 6	1.27745358 8	3.78353119 7	3.24472727 6	-2.367258939

TRCN00001 89441	NM_027122. 2-332slc1	69572	Mfsd3	0.23284939	3.25508779	2.89798295 8	0.41996416 9	0.252479598
TRCN00001 89525	NM_016903. 2-308slc1	13885	Esd	1.29026933 1	1.36877840 5	3.88919412 7	3.24472727 6	-2.448242285
TRCN00001 89585	NM_033569. 1-640slc1	94219	Cnm2	1.57154725 7	1.36877840 5	3.87047940 7	3.24472727 6	-2.513883086
TRCN00001 89617	NM_025785. 1-711slc1	66822	Fbxo25	3.60754174 6	1.27745358 8	3.83539553 5	3.24472727 6	-1.187508663
TRCN00001 89761	NM_172395. 1-527slc1	57912	Cdc42se1	0.14188839 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.202033825
TRCN00001 89830	NM_153557. 1-439slc1	227622	BC029214	2.23916019 1	1.36988341 4	3.87047940 7	0.20931322 7	-1.817552446
TRCN00001 89857	NM_146235. 2-114slc1	236930	Ercc6l	0.03639032 2	1.36877840 5	3.97614233 7	4.65442672 1	-2.508934446
TRCN00001 89872	NM_011474. 1-293slc1	20762	Spr2h	-1.16124871	1.44060578 7	-3.07371131	2.35145649 9	-2.006755577
TRCN00001 89897	NM_027122. 2-1190slc1	69572	Mfsd3	3.35488586 3	1.36877840 5	2.64564894 7	1.40793588 8	-0.516869344
TRCN00001 89919	NM_033569. 1-247slc1	94219	Cnm2	0.24180442 7	1.19156721 9	3.59292338 6	2.96454824 4	-1.876808606
TRCN00001 89925	NM_0010333 12.1-328slc1	231863	Fbxl18	0.95842116 2	1.36877840 5	3.88919412 7	3.40827436 7	-1.926956434
TRCN00001 89928	NM_011474. 1-334slc1	20762	Spr2h	0.72069388 2	1.58283956 9	3.93162742 7	3.40827436 7	-2.410858811
TRCN00001 89968	NM_0010333 12.1- 2016slc1	231863	Fbxl18	0.64234243 3	1.36877840 5	3.83539553 5	3.40827436 7	-1.992526469
TRCN00001 89969	NM_013538. 3-527slc1	14793	Cdca3	1.31184682 4	-2.77700567	3.83539553 5	3.40827436 7	-2.833130599
TRCN00001 90038	NM_153557. 1-574slc1	227622	BC029214	0.01940022 3	-1.46120823	3.88919412 7	3.24472727 6	-2.143932353
TRCN00001 90067	NM_177150. 1-141slc1	320394	Cenpt	0.55890342 4	1.70752493 8	3.92234374 5	3.40827436 7	-2.399261619
TRCN00001 90108	NM_177282. 2-3169slc1	320878	Mical2	0.98624545 1	0.28954055 9	3.88919412 7	3.40827436 7	-1.998543347
TRCN00001 90117	NM_023463. 2-130slc1	68468	Ly6g6c	1.64443094 7	1.36877840 5	3.88919412 7	3.40827436 7	-2.577669462
TRCN00001 90139	NM_009477. 1-644slc1	22271	Upp1	1.79903640 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.616320826
TRCN00001 90159	NM_0010333 12.1-175slc1	231863	Fbxl18	0.09010347 4	1.36877840 5	3.88919412 7	1.59237584 3	-1.735112962
TRCN00001 90193	NM_030197. 1-332slc1	78832	2700078E1 IRik	0.21951647 2	2.27200797 5	4.17376445 5	-3.09784689	-2.331025712
TRCN00001 90209	NM_009477. 1-614slc1	22271	Upp1	0.42851723 5	1.36877840 5	3.83539553 5	-3.09784689	-2.182634516
TRCN00001 90220	NM_153525. 2-636slc1	233724	Tmem41b	1.09423653	2.89666612 1	0.48320284 4	0.21252474 2	0.823793766

TRCN00001 90298	NM_145389. 1-562slc1	212998	BC016579	1.29855800 7	1.36877840 5	3.50630025 6	-3.09784689	-2.31787089
TRCN00001 90470	NM_027405. 2-518slc1	70373	170002000 3Rik	0.09740707 6	1.36877840 5	3.88919412 7	3.40827436 7	-2.142209956
TRCN00001 90477	NM_175003. 2-1371slc1	216831	AU040829	0.26223294 5	1.36877840 5	3.50630025 6	3.24472727 6	-1.964393248
TRCN00001 90489	NM_007900. 1-2126slc1	13605	Ect2	0.09740707 6	1.03376155 7	3.98001256 1	2.96454824 4	-1.970228822
TRCN00001 90507	NM_172943. 2-1889slc1	268420	Alkbh5	0.94843422 6	1.27745358 8	3.92234374 5	3.40827436 7	-2.389126482
TRCN00001 90679	NM_133851. 1-1023slc1	108907	Nusap1	1.45169095 7	1.36877840 5	3.97614233 7	3.40827436 7	-2.551221517
TRCN00001 90717	NM_007900. 1-1987slc1	13605	Ect2	2.98859844 8	1.36877840 5	6.57230845 4	3.24472727 6	-3.543603146
TRCN00001 90757	NM_0010333 12.1- 2413slc1	231863	Fbxl18	0.04161653 1	1.36877840 5	3.97614233 7	6.71839874 5	-3.005425739
TRCN00001 90758	NM_016903. 2-117slc1	13885	Esd	0.09764285 7	1.36877840 5	3.97614233 7	3.40827436 7	-2.163888063
TRCN00001 90791	NM_025785. 1-954slc1	66822	Fbxo25	2.51100788 6	1.36877840 5	3.83539553 5	3.40827436 7	-1.525360105
TRCN00001 90899	NM_145389. 1-426slc1	212998	BC016579	0.63494326 6	1.11050781 4	3.97614233 7	1.55838991 3	-1.819995833
TRCN00001 90942	NM_019708. 1-301slc1	56367	Scoc	1.06522891 8	1.36877840 5	3.97614233 7	0.37225419 7	-1.695600964
TRCN00001 90976	NM_007900. 1-1646slc1	13605	Ect2	1.00033751 4	3.20719300 8	3.40746019 8	-2.6613645	-2.569088805
TRCN00001 91053	NM_030197. 1-1529slc1	78832	2700078E1 1Rik	-1.36254321	1.28980058 7	1.29866389 6	3.56213186 2	-1.878284889
TRCN00001 91093	NM_177864. 2-949slc1	329918	A030013N0 9Rik	2.04410467 1	-4.8772211	5.27152097 2	0.60934773 5	-3.20054862
TRCN00001 91106	NM_026507. 2-516slc1	68014	Zwilch	0.23006817 8	1.37085999 2	5.06376558 3	-3.09784689	-2.325601072
TRCN00001 91181	NM_026412. 1-1282slc1	51944	D2Ert750e	-1.23907847	4.41561706 4	4.37280639 9	6.68321782 9	-4.177679941
TRCN00001 91284	NM_133851. 1-1490slc1	108907	Nusap1	0.01940022 3	1.36877840 5	3.68508170 8	2.84253081 2	-1.969247676
TRCN00001 91300	NM_009477. 1-335slc1	22271	Upp1	0.62787486 6	5.13287688 5	4.58713245 2	1.70246908	-2.161353781
TRCN00001 91302	NM_019708. 1-207slc1	56367	Scoc	1.32244508 7	1.27745358 8	0.32684250 9	1.83507610 3	-0.529231778
TRCN00001 91303	NM_019708. 1-931slc1	56367	Scoc	0.30635055 1	6.14833932 2	4.40301629 5	2.84253081 2	-3.27188397
TRCN00001 91306	NM_026023. 3-508slc1	52653	Nudcd2	1.20178133 7	5.37051794 7	4.58752135 2	2.22709856 5	-2.745839132
TRCN00001 91380	NM_177150. 1-1286slc1	320394	Cenpt	0.01940022 3	2.50034023 9	5.66433792 9	3.83375501 9	-2.994758241

TRCN00001 91408	NM_019708. 1-1413slc1	56367	Scoc	2.08746500 5	6.63949209 8	2.93057587 3	5.04435233 1	-4.175471327
TRCN00001 91424	NM_153525. 2-2509slc1	233724	Tmem41b	3.90605485 9	1.45674636 1	1.80196824 5	2.95384321 2	-2.529653169
TRCN00001 91456	NM_030197. 1-1694slc1	78832	2700078E1 1Rik	0.07074558 7	3.35418424 8	0.19026244 2	-2.89252515	0.085535561
TRCN00001 91475	NM_007900. 1-777slc1	13605	Ect2	0.50851228 4	1.07082054 8	1.44002674 7	3.10509504 2	-1.276857513
TRCN00001 91519	NM_145389. 1-661slc1	212998	BC016579	0.60338755 9	1.36988341 4	0.77861704 8	0.15580686 2	0.041982014
TRCN00001 91549	NM_030249. 2-2175slc1	80281	Cttnbp2nl	0.04148050 6	5.98211989 4	4.27897056 2	3.04149561 9	-3.336016645
TRCN00001 91609	NM_030249. 2-365slc1	80281	Cttnbp2nl	0.65036288 6	0.53603994 1	1.37259367 3	1.91848707 8	-0.526169481
TRCN00001 91697	NM_009477. 1-338slc1	22271	Upp1	-1.0063135	5.42890770 4	4.15557313 4	1.90004212 8	-2.172688053
TRCN00001 91764	NM_026507. 2-1327slc1	68014	Zwilch	2.51572314 6	3.40653247 8	1.73550990 8	1.00148986 4	-1.297058895
TRCN00001 91782	NM_025335. 1-778slc1	66074	0610041E0 9Rik	0.99057553 9	1.03376155 7	3.98001256 1	2.73003321 3	-2.183595718
TRCN00001 91864	NM_177864. 2-719slc1	329918	A030013N0 9Rik	1.30462912 5	0.79387711 7	3.73346684 1	5.38044902 4	-2.150790964
TRCN00001 91870	NM_0010333 12.1- 1012slc1	231863	Fbx118	0.51339798 8	1.36877840 5	3.88919412 7	7.83997703 3	-3.146137894
TRCN00001 91934	NM_177864. 2-1203slc1	329918	A030013N0 9Rik	1.10606247 5	4.68054009 1	2.08541303 1	1.76180886 7	-1.855424879
TRCN00001 92080	NM_177150. 1-1602slc1	320394	Cenpt	4.69278184 9	0.96089254 1	5.47329135 2	2.23624825 3	-3.340803499
TRCN00001 92084	NM_177864. 2-435slc1	329918	A030013N0 9Rik	1.75481422 7	1.27745358 8	4.17376445 5	2.96454824 4	-2.542645129
TRCN00001 92094	NM_023605. 1-1059slc1	71538	Fbxo9	0.42781968 8	0.45846072 6	4.06985909 8	0.10908286 7	-1.037075232
TRCN00001 92137	NM_025335. 1-220slc1	66074	0610041E0 9Rik	0.61957810 1	1.27745358 8	5.52976677 3	0.65565287 6	-1.382997346
TRCN00001 92164	NM_016903. 2-797slc1	13885	Esd	1.25951974 6	2.44418883 1	4.72496265 7	4.12885873 6	-1.917288077
TRCN00001 92209	NM_172395. 1-1165slc1	57912	Cdc42se1	0.23787543 8	1.19156721 9	8.55303329 6	0.12798655 6	-2.408677908
TRCN00001 92252	NM_029036. 1-377slc1	74648	S100pbp	2.92690790 6	1.36877840 5	3.83539553 5	3.24472727 6	-1.380498328
TRCN00001 92261	NM_175127. 1-466slc1	67948	Fbxo28	0.04892828	1.36877840 5	3.92234374 5	3.40827436 7	-2.162617059
TRCN00001 92297	NM_175127. 1-239slc1	67948	Fbxo28	3.15303303 6	1.27745358 8	3.83539553 5	1.62778707 4	-1.659523771
TRCN00001 92322	NM_030249. 2-726slc1	80281	Cttnbp2nl	0.50035672 1	1.19156721 9	3.88919412 7	3.24472727 6	-2.206461336

TRCN00001 92326	NM_175003. 2-3437s1c1	216831	AU040829	0.07711266 3	5.27245633 4	5.02326257 4	8.28366862 4	-4.664125049
TRCN00001 92413	NM_172943. 2-1741s1c1	268420	Alkbh5	1.62890472 3	-2.17379801	0.82392181 1	0.89303028 6	-0.967952802
TRCN00001 92486	NM_177864. 2-854s1c1	329918	A030013N0 9Rik	0.28662875 6	0.69596131 9	2.23158848 2	0.91635260 7	-0.541337754
TRCN00001 92524	NM_172943. 2-1233s1c1	268420	Alkbh5	1.33628517 8	1.19156721 9	3.98001256 1	0.99542331 9	-1.37811041
TRCN00001 92561	NM_153557. 1-442s1c1	227622	BC029214	0.01940022 3	1.36877840 5	3.88919412 7	3.40827436 7	-2.161711669
TRCN00001 92624	NM_026412. 1-247s1c1	51944	D2ErtD750e	1.82267935 4	0.37383717 6	3.83539553 5	2.05185553 7	-0.922683636
TRCN00001 92629	NM_145389. 1-438s1c1	212998	BC016579	1.18294919 6	1.36877840 5	3.83539553 5	3.40827436 7	-2.448849376
TRCN00001 92634	NM_177282. 2-3274s1c1	320878	Mical2	2.06317576 9	1.36877840 5	3.88919412 7	3.40827436 7	-2.682355667
TRCN00001 92644	NM_027122. 2-733s1c1	69572	Mfsd3	0.92877592 4	1.27745358 8	3.54896178 4	0.14379468 8	-1.010358534
TRCN00001 92878	NM_016903. 2-515s1c1	13885	Esd	0.95211805 3	0.76810128 4	0.39700850 8	1.44815103 7	0.415285694
TRCN00001 92911	NM_026023. 3-588s1c1	52653	Nudcd2	0.46566200 4	3.66264785 8	3.88919412 7	2.84253081 2	-2.7150087
TRCN00001 92998	NM_146235. 2-391s1c1	236930	Ercc6l	1.01445768 8	-5.34898252	4.24057524 9	3.75084446 5	-3.081486137
TRCN00001 93001	NM_177150. 1-569s1c1	320394	Cenpt	0.28694497 2	1.19156721 9	3.88919412 7	3.40827436 7	-2.193995171
TRCN00001 93012	NM_023463. 2-341s1c1	68468	Ly6g6c	0.05910014 4	1.36877840 5	3.92234374 5	-3.09784689	-2.082467224
TRCN00001 93083	NM_133662. 1-760s1c2	15937	Ier3	-0.58324653	0.39556946 2	0.91179759 9	4.12273348 7	-1.305552039
TRCN00001 93089	NM_177354. 2-1734s1c2	238328	Vash1	0.66131689 8	1.36877840 5	0.57862638 5	1.64755919 1	-0.733411771
TRCN00001 93222	NM_025449. 2-210s1c1	66257	Nicn1	2.24354135 3	1.36877840 5	3.88919412 7	3.24472727 6	-1.564789614
TRCN00001 93237	NM_181409. 2-387s1c1	194126	Mtmt11	4.92767616 9	0.82534563 1	3.68508170 8	2.73003321 3	-3.04203418
TRCN00001 93274	NM_025813. 1-689s1c1	66868	Mfsd1	2.40846162 9	1.27745358 8	3.78353119 7	2.62567687 4	-2.523780822
TRCN00001 93400	NM_009287. 2-2712s1c1	20866	Stim1	0.27446895 6	1.27745358 8	3.71287348 5	4.16693768 5	-0.501496686
TRCN00001 93401	NM_025558. 2-436s1c1	66427	Cyb5b	0.21038556 6	6.71599091 4	0.87369977 2	5.38470743 1	-3.296195921
TRCN00001 93421	NM_145952. 1-333s1c1	209478	Tbc1d12	0.01940022 3	4.43008233 8	6.18564906 8	6.76035726 4	-4.339172112
TRCN00001 93422	NM_177715. 3-4148s1c1	239217	Kctd12	1.39563449 3	1.11050781 4	4.05814689 3	-3.09784689	-2.415534023

TRCN00001 93452	NM_022979. 1-2589slc1	269966	Nup98	2.85794967 6	1.36877840 5	3.83539553 5	2.96454824 4	-2.756667965
TRCN00001 93534	NM_173759. 2-270slc1	225583	A730017C2 ORik	0.15863032 6	3.14728148 3	0.25385232 7	2.43446223 2	0.281325476
TRCN00001 93630	NM_177354. 2-1903slc1	238328	Vash1	1.42086519 6	1.45278870 3	6.51043255 9	1.85884773 1	-2.810733547
TRCN00001 93681	NM_172049. 1-354slc1	211986	Tmem18	1.50634461 6	0.79387711 7	3.76187615 2	1.71203415 6	-1.087515932
TRCN00001 93697	NM_145975. 2-3346slc1	212880	Ddx46	1.52023940 3	1.47321417 3	8.10389984 1	2.52836256 1	-3.406428995
TRCN00001 93788	NM_0010133 91.1-166slc1	432508	Cpsf6	2.16278011 4	3.31886574 2	1.92734848 6	1.72966762 6	-0.456157436
TRCN00001 93876	NM_199042. 1-829slc1	73754	Thap1	1.40722309 6	-1.20293764	5.10584357 1	2.96454824 4	-2.670138138
TRCN00001 93877	NM_009287. 2-797slc1	20866	Stim1	0.19423005 9	4.36243517 7	4.83915171 4	1.18413018 1	-2.644986783
TRCN00001 93881	NM_022979. 1-1318slc1	269966	Nup98	4.00724622 2	5.57349427 1	0.96847244 5	2.41123910 5	-2.755876788
TRCN00001 93905	NM_172049. 1-1622slc1	211986	Tmem18	1.568198	1.36877840 5	3.83539553 5	6.70317724 8	-2.584788297
TRCN00001 93928	NM_172049. 1-263slc1	211986	Tmem18	-0.59133565	0.06367271 3	2.48214840 9	1.68146236 5	0.068255777
TRCN00001 93959	NM_145975. 2-1191slc1	212880	Ddx46	-0.24735531	3.02847492 7	1.45212559 1	1.83857312 1	0.003717119
TRCN00001 94147	NM_025558. 2-257slc1	66427	Cyb5b	0.70734304 4	1.36877840 5	1.01990262 1	2.96454824 4	-1.161471557
TRCN00001 94403	NM_199042. 1-823slc1	73754	Thap1	0.89768231 8	1.36877840 5	3.78353119 7	3.24472727 6	-1.87483864
TRCN00001 94532	NM_177354. 2-2140slc1	238328	Vash1	0.99862244 7	1.62999988 9	3.97614233 7	3.83375501 9	-2.609629923
TRCN00001 94594	NM_175099. 2-1277slc1	58887	Repin1	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00001 95944	NM_013655. 2-132slc1	20315	Cxcl12	0.54823594 9	1.36877840 5	3.97614233 7	2.19389277 7	-1.747644393
TRCN00001 95959	NM_023118. 1-1841slc1	13132	Dab2	0.30277574 6	1.19156721 9	4.05814689 3	3.40827436 7	-2.240191056
TRCN00001 97420	NM_026931. 1-992slc1	69068	1810011O1 ORik	0.82203701 1	0.96089254 1	3.13738910 1	-4.22499815	-2.286329201
TRCN00001 97475	NM_033560. 2-579slc1	52348	Vps37a	0.14659790 3	5.37764989 8	1.75537072 1	2.43719965 6	-2.355905593
TRCN00001 97646	NM_026931. 1-162slc1	69068	1810011O1 ORik	0.42053622 5	1.19156721 9	3.88919412 7	9.11871792 7	-3.655003875
TRCN00001 97649	NM_053086. 1-220slc1	70769	Nolc1	3.80928752 2	1.27911376 4	4.19051089 3	0.05419105 2	-1.6666234
TRCN00001 97659	NM_013865. 1-903slc1	29812	Ndrp3	0.04706805 3	1.03376155 7	1.72894184 5	2.22938084 1	-0.395317152

TRCN00001 97701	NM_033560. 2-1030s1c1	52348	Vps37a	2.10208735 1	1.05332236 6	2.34079224 1	10.3088155 1	-3.951254367
TRCN00001 97922	NM_177889. 2-1648s1c1	330502	Zfp82	4.59102121 6	1.27745358 8	3.88919412 7	3.40827436 7	-0.995975217
TRCN00001 97926	NM_026931. 1-348s1c1	69068	1810011O1 ORik	1.54200504 9	1.19156721 9	4.44697789 7	0.03715936 1	-1.804427382
TRCN00001 97970	NM_011513. 1-628s1c1	20933	Surf5	0.50578002 9	1.28399704 4	2.35328174 4	1.21044663 1	-1.085486348
TRCN00001 98120	NM_026931. 1-331s1c1	69068	1810011O1 ORik	0.47200992 9	1.53031375 2	4.19051089 3	0.16745139 7	-1.27034083
TRCN00001 98215	NM_177889. 2-1146s1c1	330502	Zfp82	0.72069388 2	1.54807117 8	3.83539553 5	3.83375501 9	-2.484478904
TRCN00001 98217	NM_0010332 64.1- 2135s1c1	216456	Gls2	1.41876310 9	1.27745358 8	3.83539553 5	2.73003321 3	-1.606029807
TRCN00001 98238	NM_134182. 1-543s1c1	171200	V1rc27	0.01940022 3	1.36877840 5	3.83539553 5	3.40827436 7	-2.148262021
TRCN00001 98328	NM_198037. 1-4733s1c1	320508	Cachd1	0.50706490 1	1.36877840 5	3.83539553 5	3.40827436 7	-2.279878302
TRCN00001 98514	NM_033560. 2-1303s1c1	52348	Vps37a	1.57596064 4	-3.99190033	3.50630025 6	0.00551648 2	-2.269919428
TRCN00001 98612	NM_0010332 64.1-799s1c1	216456	Gls2	0.37505136 7	3.03409389 3	3.82292192 4	0.32195541 1	-1.54000226
TRCN00001 98652	NM_199467. 1-1553s1c1	212377	F730047E0 7Rik	1.21264221 7	1.27745358 8	0.40205856 5	0.93281935 3	-0.755214148
TRCN00001 98711	NM_198037. 1-2317s1c1	320508	Cachd1	1.41570144 4	4.71882896 9	-3.04082052	1.35830000 4	-2.633412734
TRCN00001 98802	NM_198037. 1-2682s1c1	320508	Cachd1	2.32103080 5	3.75683492 8	4.13573984 7	3.40827436 7	-3.405469987
TRCN00001 98912	NM_016854. 1-1015s1c1	53412	Ppp1r3c	0.09010347 4	1.36877840 5	3.88919412 7	3.40827436 7	-2.189087593
TRCN00002 00080	NM_013865. 1-1310s1c1	29812	Ndrg3	1.16379209 3	1.36877840 5	5.13573967 7	0.47443596 8	-2.035686536
TRCN00002 00109	NM_172443. 1-256s1c1	207592	Tbc1d16	-1.89980709	2.00257663 5	0.87814738 4	1.23552157 6	-1.504013171
TRCN00002 00278	NM_172443. 1-2398s1c1	207592	Tbc1d16	1.02481316 5	1.36877840 5	3.88919412 7	-3.09784689	-2.345158147
TRCN00002 00413	NM_172443. 1-1474s1c1	207592	Tbc1d16	0.74485168 7	-4.23218661	0.45328455 3	-2.91338761	-1.859285339
TRCN00002 00502	NM_023605. 1-1346s1c1	71538	Fbxo9	0.00547500 3	5.25888085	4.19254422 9	6.29116583 2	-1.304838552
TRCN00002 00540	NM_146235. 2-3897s1c1	236930	Erc61	0.40430669 5	2.28733738 6	3.81481817 4	3.98554262 1	-1.479332526
TRCN00002 00545	NM_026412. 1-1283s1c1	51944	D2ErtD750e	0.53069755 9	2.00257663 5	0.10076405 6	2.18368002 6	-1.154047541
TRCN00002 00605	NM_153525. 2-944s1c1	233724	Tmem41b	4.35652482 8	5.03991625 4	8.64543500 2	8.86805866 3	-4.20752556

TRCN00002 00633	NM_029036. 1-543slc1	74648	S100pbp	0.17141156 4	1.36877840 5	3.83539553 5	3.40827436 7	-2.110259186
TRCN00002 00645	NM_027954. 1-481slc1	71846	Syce2	3.85335867 6	1.36988341 4	3.92234374 5	3.24472727 6	-1.17089894
TRCN00002 00647	NM_153525. 2-773slc1	233724	Tmem41b	0.39886466 3	0.45406714 6	1.13957980 2	3.32680733 2	-0.560607503
TRCN00002 00651	NM_026023. 3-1291slc1	52653	Nudcd2	1.14598392 4	0.52588789 9	4.01819322 3	4.38479445 6	-2.518714876
TRCN00002 00765	NM_026507. 2-466slc1	68014	Zwilch	0.20365034 6	1.36877840 5	4.10370879 6	0.26569798 2	-1.352609891
TRCN00002 00787	NM_133851. 1-2003slc1	108907	Nusap1	0.39852425 8	1.27745358 8	8.12368686 8	5.48281696 3	-3.62135829
TRCN00002 00812	NM_175003. 2-3537slc1	216831	AU040829	0.30813204 5	1.45674636 1	3.21603045 7	2.51789502	-0.461687438
TRCN00002 00854	NM_026412. 1-415slc1	51944	D2ErtD750e	-3.00870108	5.46877075 2	-4.05364444	2.86268030 8	-3.848449145
TRCN00002 00882	NM_153525. 2-481slc1	233724	Tmem41b	3.40410640 2	1.11050781 4	3.92234374 5	0.40772030 2	-2.007309415
TRCN00002 00928	NM_011474. 2-474slc1	20762	Spr2h	1.87751626 8	1.36877840 5	3.63826679 6	-3.09784689	-2.49560209
TRCN00002 01076	NM_025335. 1-776slc1	66074	0610041E0 9Rik	2.60251147 2	2.42794864 4	3.79550750 3	3.15551386 4	-1.781396049
TRCN00002 01128	NM_175127. 1-365slc1	67948	Fbxo28	1.77045197 9	0.90883709 1	2.80377414 1	4.11865814 2	-1.946011793
TRCN00002 01327	NM_026023. 3-641slc1	52653	Nudcd2	0.96781879 1	-1.59282538	0.93766431 9	0.94968268 5	-0.628088398
TRCN00002 01369	NM_146235. 2-2517slc1	236930	Ercc6l	3.39396576 3	4.86316164 5	1.76796787 9	-0.99988548	-1.872261252
TRCN00002 01497	NM_026412. 1-968slc1	51944	D2ErtD750e	0.38299760 5	4.49403553 7	1.79773165 9	0.05172333 4	-0.591257402
TRCN00002 01612	NM_175127. 1-944slc1	67948	Fbxo28	0.25576489 1	0.13189363 4	3.63026249 3	2.29993084 6	-0.235668281
TRCN00002 01676	NM_027405. 2-1764slc1	70373	170002000 3Rik	0.01012294 2	-1.46120823	3.78353119 7	2.96454824 4	-2.049791182
TRCN00002 01716	NM_026507. 2-2466slc1	68014	Zwilch	0.09740707 6	1.36988341 4	1.76439233 4	3.40827436 7	-0.729089593
TRCN00002 01776	NM_172943. 2-1463slc1	268420	Alkbh5	1.05373343 2	0.62594995 6	1.87500022 1	3.40827436 7	-1.740739494
TRCN00002 01786	NM_175003. 2-3677slc1	216831	AU040829	0.67486416 8	1.11050781 4	3.73346684 1	0.61922754 9	-1.197084509
TRCN00002 01799	NM_027122. 2-1094slc1	69572	Mfsd3	0.01940022 3	1.27745358 8	3.88919412 7	3.40827436 7	-2.138880465
TRCN00002 01835	NM_027954. 1-514slc1	71846	Syce2	0.49891009 8	1.27745358 8	3.88919412 7	3.40827436 7	-2.268458045
TRCN00002 01847	NM_175003. 2-1329slc1	216831	AU040829	0.50869184 5	1.27745358 8	3.88919412 7	3.40827436 7	-2.270903482

TRCN00002 02121	NM_023605. 1-1032slc1	71538	Fbxo9	1.32794723 1	1.27745358 8	0.44075226 2	2.19389277 7	-1.310011465
TRCN00002 02155	NM_172943. 2-1561slc1	268420	Alkbh5	2.00523485 9	3.62976301 4	1.48922217 9	0.33199124 9	-1.698057201
TRCN00002 02166	NM_133851. 1-1281slc1	108907	Nusap1	0.01940022 3	1.19156721 9	3.83539553 5	0.54820449 9	-1.114839508
TRCN00002 02180	NM_153557. 1-291slc1	227622	BC029214	0.01940022 3	1.36877840 5	3.88919412 7	3.24472727 6	-2.120824896
TRCN00002 02191	NM_011474. 1-315slc1	20762	Sptr2h	0.06607415 9	0.64327250 6	3.83539553 5	2.52836256 1	-1.76827619
TRCN00002 02224	NM_030249. 2-1314slc1	80281	Cttnbp2nl	1.74850881 7	1.93935709 5	3.83539553 5	2.52836256 1	-2.512906002
TRCN00002 02449	NM_025335. 1-207slc1	66074	0610041E0 9Rik	1.93833298 4	1.36988341 4	3.83539553 5	3.40827436 7	-2.637971575
TRCN00002 02451	NM_030197. 1-318slc1	78832	2700078E1 1Rik	0.77672094 9	1.36877840 5	3.83539553 5	0.65086658 3	-1.269579894
TRCN00002 03224	NM_146957. 1-639slc1	258959	Olftr170	0.09740707 6	1.11050781 4	3.88919412 7	3.24472727 6	-2.036755535

Table of Screen results for TGF *fl/fl* K14 Cre⁺ animals

CloneID	CloneName	GeneID	Symbol	P1ok NT0	P2toP lko	P3toP 2ko	P4toP 3ko	ES/B Scram N	LS/E S Scram N	G/S Scram N	LOG E/S	LOG LS/ES	LOG G/LS
TRCN 0000177340	NM_029749.1-4159s1c1	76800	Usp42	0.010210938	275.720421	0.003626862		368.8183707	0.00155669	1.704424461	8.526766707	9.32730234	0.769284661
TRCN 0000193610	NM_133675.1-204s1c1	66183	1110032A04Rik	0.013310944	239.1557478	0.008868096	0.471507684	319.9075096	0.003806287	0.803649231	8.321511049	8.03739987	0.31536215
TRCN 0000067854	NM_010189.1-939s1c1	14132	Fcgrt	0.010504668	233.9566681	0.003626862	1.603761045	312.9529428	0.00155669	2.733489554	8.289801932	9.32730234	1.450743862
TRCN 0000024032	XM_138612.3-942s1c1	218241	Gm270	0.015693135	217.1522276	0.004605064	2.811283135	290.4744251	0.001976546	4.791619741	8.182267336	8.982802969	2.260513422
TRCN 0000177048	NM_153513.1-94s1c1	229600	BC028528	0.013310944	212.6220911	0.00470318		284.4146724	0.002018658	1.704424461	8.151852082	8.952387715	0.769284661
TRCN 0000068814	NM_027008.1-667s1c1	69259	Kctd5	0.007576566	196.9171826	0.299345496	0.009897421	263.4069475	0.128482477	0.016869407	8.041149587	2.960356561	5.889446907
TRCN 0000084210	NM_021559.1-433s1c1	59057	Zfp191	0.021451819	194.8251262	0.005132808		260.6085011	0.002203059	1.704424461	8.025740335	8.826275968	0.769284661
TRCN 0000069370	NM_021415.2-1170s1c1	58226	Cacna1h	0.018126085	182.2054603	0.00548831		243.7277614	0.002355645	1.704424461	7.929126778	8.72962411	0.769284661
TRCN 0000184863	NM_146584.1-479s1c1	258577	Olfir1026	0.047716667	172.1744437	0.018828077	0.308478937	230.3097376	0.008081226	0.525779046	7.8474316	6.951211122	0.927471449
TRCN 0000120851	NM_178391.2-300s1c1	74729	Setmar	0.013464489	152.6293038	0.004828091		204.1651139	0.002072271	1.704424461	7.673592561	8.914571523	0.769284661
TRCN 0000026409	XM_355659.1-1252s1c1	76854	Gpr30	0.013185221	148.8406219	0.007298399	2.667557174	199.0971704	0.003132555	4.546649699	7.637328908	8.318444266	2.184803854
TRCN 0000189664	NM_026616.1-403s1c1	68209	1500026D16Rik	0.026928099	148.2914861	0.007325426	0.781119375	198.3626171	0.003144156	1.331358969	7.631996354	8.313111713	0.412899612
TRCN 0000097100	NM_183191.1-5020s1c1	269437	Plch1	0.010210938	142.0813941	0.007038219	2.20752209	190.0556661	0.003020883	3.762554648	7.570278226	8.370813859	1.911712536
TRCN 0000041610	NM_145614.2-1234s1c1	235339	Dlat	0.015021074	139.8163258	0.68656191	0.016707138	187.0257897	0.294680132	0.028476055	7.547093413	1.76278302	5.13410688
TRCN 0000102489	NM_029397.2-602s1c1	75710	Rbm12	0.041933765	134.7455837	0.574010981	0.009527492	180.2428941	0.246372001	0.016238891	7.493798574	2.021089785	5.94440309
TRCN 0000176911	NM_175213.2-1549s1c1	75033	4930486G11Rik	0.013185221	126.3260548	0.006716972		168.9804823	0.002883	1.704424461	7.400712811	8.438213218	0.769284661
TRCN 0000111543	NM_025898.1-639s1c1	108124	Napa	0.007996838	114.6556564	0.924036658	0.013569428	153.3695337	0.396606978	0.023128064	7.260868115	1.334218034	5.43421166
TRCN 0000104699	NM_134094.2-654s1c1	52589	Ncald	0.024441462	113.9298315	0.023534524	0.3729556	152.3986314	0.010101284	0.635674648	7.251706137	6.629317565	0.653639544
TRCN 0000185770	NM_147108.1-82s1c1	259112	Olf979	0.026272188	112.6355068	0.008878195	1.603761045	150.6672735	0.003810622	2.733489554	7.235222273	8.035757905	1.450743862
TRCN 0000075599	XM_125814.4-898s1c1	114774	Pawr	0.080619003	103.2516526	0.012398969	0.781119375	138.1149287	0.005321778	1.331358969	7.109725457	7.55387604	0.412899612
TRCN 0000084650	NM_144515.1-1595s1c1	22710	Zfp52	0.009649137	86.74901245	0.011527509		116.0401153	0.004947737	1.704424461	6.858479823	7.659015456	0.769284661

TRCN 000012 1509	NM_183194 .1-767slc1	270 328	993010 9F21Ri k	0.008 91351 2	82.54 24571 2	1.278 37049 1	0.009 47689 1	110.4 13202	0.548 69106 4	0.016 15264 4	6.7867 68874	- 0.8659 34015	- 5.9520 8583
TRCN 000008 9340	NM_139299 .1-1606slc1	218 624	Il31ra	0.003 01462 1	64.42 19110 9	7.962 36970 6	0.003 12653 8	86.17 41912 3	3.417 53907 4	0.005 32894 8	6.4291 83948	1.7729 57833	- 7.5519 33551
TRCN 000004 1900	NM_175177 .3-1237slc1	719 11	Bdh1	0.074 94856 2	64.40 29515 2	0.014 64839 9	0.781 11937 5	86.14 88299 8	0.006 28725 8	1.331 35896 9	6.4287 59296	7.3133 53209	0.4128 99612
TRCN 000003 0648	NM_009982 .2-1298slc1	130 32	Ctsc	0.007 73423 5	54.71 44757 2	0.028 51947 5	31.20 75400 4	73.18 90068 8	0.012 24088 1	53.19 08946 1	6.1935 55064	6.3521 48809	5.7331 07396
TRCN 000003 4340	NM_010897 .1-791slc1	180 15	Nf1	0.056 23459 1	53.84 01315 9	0.015 76015 1		72.01 94374 4	0.006 76443 5	1.704 42446 1	6.1703 14425	7.2078 14833	0.7692 84661
TRCN 000012 6381	NM_009149 .1-616slc1	203 40	Glg1	0.037 51071 5	53.42 0151 1	0.029 21047 7	45.13 66647 2	71.45 76489 6	0.012 53746 7	76.93 20354 3	6.1590 16543	6.3176 10288	6.2655 12574
TRCN 000001 1961	NM_013496 .1-246slc1	129 03	Crabp1	0.065 08938 2	46.15 22306 4	0.018 38543 1		61.73 56902 6	0.007 89123 4	1.704 42446 1	5.9480 32867	6.9855 33275	0.7692 84661
TRCN 000009 0674	XM_126660 .1-1121slc1	757 06	231005 8N18Ri k	0.010 48851 3	45.95 79859 9	0.014 17033 7		61.47 58582 3	0.006 08206 9	1.704 42446 1	5.9419 48066	7.3612 22181	0.7692 84661
TRCN 000002 8853	NM_010607 .1-1162slc1	165 26	Kcnk2	0.042 00260 5	45.00 70403 5	0.022 21874 6		60.20 38225 2	0.009 53653 7	1.704 42446 1	5.9117 83186	6.7123 18818	0.7692 84661
TRCN 000006 9157	XM_134169 .4-873slc1	117 39	Slc25a4	0.065 08938 2	44.77 93911 8	0.024 25888 9	0.781 11937 5	59.89 93068 3	0.010 41218 9	1.331 35896 9	5.9044 67403	6.5855 82761	0.4128 99612
TRCN 000002 9015	NM_008976 .1-1799slc1	192 50	Ptpn14	0.056 23459 1	42.85 74159 5	0.036 44264 4	7.103 61916 5	57.32 83700 4	0.015 64159 5	12.10 75822 6	5.8411 77356	5.9984 68587	3.5978 389
TRCN 000011 1064	NM_008576 .2-1299slc1	172 50	Abcc1	0.055 23020 3	41.44 76473 8	0.051 16952	0.471 50768 4	55.44 25882 6	0.021 96253 6	0.803 64923 1	5.7929 22704	5.5088 11525	0.3153 6215
TRCN 000008 8561	NM_030704 .1-781slc1	808 88	Hspb8	0.012 09582 5	39.84 26426 5	0.225 80301	0.081 90972 8	53.29 56481 5	0.096 91720 4	0.139 60894 4	5.7359 4583	3.3671 03406	2.8405 36724
TRCN 000002 5256	NM_011035 .1-1108slc1	184 79	Pak1	0.002 25781 6	38.53 54167 7	1.967 46676 9	0.984 72239 6	51.54 70329 5	0.844 45897 5	1.678 38493 8	5.6878 17483	0.2439 00758	0.7470 73636
TRCN 000008 2260	NM_021498 .2-183slc1	590 01	Pole3	0.007 73423 5	36.59 39296 9	0.027 32693 7		48.94 99960 8	0.011 72903	1.704 42446 1	5.6132 36839	6.4137 72472	0.7692 84661
TRCN 000002 5258	NM_011035 .1-1206slc1	184 79	Pak1	0.012 68022 7	32.84 28516 6	0.025 10468 7	97.75 78023 9	43.93 23536 2	0.010 77521 6	166.6 20789 6	5.4572 11887	6.5361 3946	7.3804 2461
TRCN 000001 1927	NM_133753 .1-866slc1	741 55	Errf1	0.047 71666 5	32.71 09555 5	0.270 42907 5	0.317 80298 6	43.75 59223 4	0.116 07121 6	0.541 67118 3	5.4514 06393	3.1069 1785	0.8845 10754
TRCN 000019 5895	NM_148947 .1-84slc1	114 652	Ly6g5c	0.045 75414 7	32.65 78439 1	0.014 07515 9	0.781 11937 5	43.68 48773 7	0.006 04121 7	1.331 35896 9	5.4490 62036	7.3709 45026	0.4128 99612
TRCN 000011 0512	NM_001025 307.1- 1138slc1	209 08	Stx3	0.008 69261 1	32.38 73743 7	0.030 87622 9		43.32 30828 6	0.013 25242 7	1.704 42446 1	5.4370 64003	6.2375 99636	0.7692 84661
TRCN 000012 5477	NM_026384 .2-1013slc1	678 00	Dgat2	0.015 69313 5	31.41 66308 3	0.031 83027 5		42.02 45644 2	0.013 66191 4	1.704 42446 1	5.3931 60961	6.1936 96594	0.7692 84661
TRCN 000007 9809	NM_178716 .2-2247slc1	238 799	Tnpo1	0.229 50532 6	24.33 20101 2	0.004 37679 7		32.54 77971 3	0.001 87857 1	1.704 42446 1	5.0244 87998	9.0561 4875	0.7692 84661
TRCN 000003 9065	NM_010773 .1-1286slc1	171 91	Mbd2	0.058 48241 4	21.90 03873 5	0.733 99764 3	0.032 87043 5	29.29 51285 5	0.315 04008 4	0.056 02517 3	4.8725 88876	1.6663 92692	4.1577 80983
TRCN 000007 6714	NM_145533 .1-583slc1	228 608	Smox	0.019 11384 2	21.38 56142 8	0.046 76040 6	16.09 40261 2	28.60 65405 9	0.020 07009 5	27.43 10518	4.8382 73137	5.6388 0877	4.7777 38036

TRCN 000002 8261	NM_198618 .1-1306slcl	242 667	Dlgap3	0.011 06715 6	21.16 65525 6	0.163 65417 5	0.244 95667 4	28.31 35119 2	0.070 24222 2	0.417 51014 8	4.8234 18803	- 3.8315 17717	- 1.2601 16832
TRCN 000010 1745	NM_133995 .1-1290slcl	103 149	Upb1	0.016 45122 8	21.04 55073 2	0.032 14216 3	23.41 83729 7	28.15 15953 5	0.013 79578 2	39.91 48477 2	4.8151 44777	- 6.1796 29188	5.3188 53602
TRCN 000010 5875	NM_019653 .2-2075slcl	788 89	Wsb1	0.007 66974 2	20.14 66058 8	0.012 87187 8	26.94 91766 1	0.005 52475 2	1.704 42446 6	4.7521 6929	7.4998 73625	0.7692 84661	
TRCN 000011 2297	NM_011348 .1-1989slcl	203 49	Sema3e	0.007 97876 9	19.83 92278 1	0.128 29091 8	11.57 76759 1	26.53 80114 2	0.055 06391 2	19.73 32740 2	4.7299 88363	- 4.1827 49078	4.3025 58434
TRCN 000006 9090	XM_355081 .1-696slcl	106 931	Kctd1	0.641 88162 1	19.18 62860 9	0.074 41707 1	3.699 51154 8	25.66 46016 6	0.031 94064 8	6.305 53797 5	4.6817 07964	- 4.9684 62616	2.6566 19463
TRCN 000007 7276	NM_019738 .1-67slcl	563 12	Nupr1	0.152 57574 9	19.16 47712 7	0.027 57073 5	1.603 76104 9	25.63 58222 9	0.011 83366 9	2.733 48955 4	4.6800 89269	- 6.4009 5873	1.4507 43862
TRCN 000011 3121	NM_021710 .1-636slcl	117 82	Ap4s1	0.005 45064 9	19.12 05460 3	0.052 29976 2	21.52 78755 3	25.57 66642 4	0.022 44764 9	36.69 26376 4	4.6767 56212	- 5.4772 91845	5.1974 18711
TRCN 000011 0524	NM_008662 .1-286slcl	179 20	Myo6	0.005 12315 6	18.89 53154 7	0.030 87622 9	79.48 89358 4	25.27 53838 1	0.013 25242 7	135.4 82886 6	4.6596 61095	- 6.2375 99636	7.0819 6682
TRCN 000008 0600	NM_019807 .2-748slcl	563 18	Acpp	0.010 09532 2	18.77 39384 8	0.102 72999 4	0.337 66690 9	25.11 30234 6	0.044 09287 5	0.575 52774	4.6503 63826	- 4.5033 10652	0.7970 42628
TRCN 000012 5597	NM_173441 .1-1767slcl	734 73	Iws1	0.088 11064 5	18.72 00919 6	0.044 90661 5	0.308 47893 7	25.04 09954 8	0.019 27442 7	0.525 77904 6	4.6462 20011	- 5.6971 68235	0.9274 71449
TRCN 000007 0536	NM_010710 .2-887slcl	168 70	Lhx2	0.051 07912 7	18.57 12450 7	0.237 09420 3	0.076 63302 5	24.84 18899 2	0.101 76351 2	0.130 61520 3	4.6347 0303	- 3.2967 07732	2.9366 05266
TRCN 000007 1687	NM_009861 .1-401slcl	125 40	Cdc42	0.093 38158 9	18.52 25232 6	0.514 19148 9	2.237 08789 7	24.77 67170 3	0.220 69679 9	3.812 94733 3	4.6309 13134	- 2.1798 6239	1.9309 06604
TRCN 000012 1048	NM_181516 .2-571slcl	668 26	Taz	0.048 67769 8	18.32 89680 7	0.031 83027 5	24.51 78072 1	0.013 66191 4	1.704 42446 1	4.6157 58053	- 6.1936 96594	0.7692 84661	
TRCN 000009 8846	NM_153122 .1-3234slcl	754 75	Oplah	0.032 50148 5	18.29 41029 9	0.026 39340 4	24.47 11698 1	0.011 32834 7	1.704 42446 1	4.6130 11167	- 6.4639 18795	0.7692 84661	
TRCN 000000 9605	NM_009263 .1-536slcl	207 50	Spp1	0.080 61900 3	18.14 98024 9	0.085 97493 6	12.63 53738	24.27 81458 1	0.036 90141 4	21.53 60401 8	4.6015 86338	- 4.7601 80083	4.4286 81102
TRCN 000011 2741	NM_023066 .1-1467slcl	659 73	Asph	0.014 18723 6	17.35 10268 3	0.503 94821 4	0.804 80395 9	23.20 96607 9	0.216 30026 9	1.371 72753 9	4.5366 53533	- 2.2088 92633	0.4559 93953
TRCN 000010 4077	NM_144958 .2-195slcl	136 81	Eif4a1	0.040 04903 4	16.58 04505 9	0.739 61718 6	0.011 83378 9	22.17 88968 3	0.317 45205 6	0.020 1698	4.4711 15703	- 1.6553 89374	5.6316 59439
TRCN 000001 8473	NM_008548 .2-1659slcl	171 55	Man1a	0.047 71666	16.53 18965 9	1.433 43131 2	0.042 19883 2	22.11 39484 1	0.615 24492 1	0.071 92472 2	4.4668 84734	- 0.7007 67253	3.7973 68453
TRCN 000007 0609	NM_010055 .2-642slcl	133 93	Dlx3	0.042 00260 5	16.53 18965 9	0.060 48912 7	4.018 80522 5	22.11 39484 1	0.025 96261 7	6.849 74992 8	4.4668 84734	- 5.2674 20367	2.7760 51319
TRCN 000005 5144	NM_009698 .1-389slcl	118 21	Aprt	0.063 16789	15.53 28266 9	0.076 20865 7	0.764 83764 8	20.77 75391 1	0.032 70961 7	1.303 60799 7	4.3769 52887	- 4.9341 41324	0.3825 10107
TRCN 000017 8079	NM_053078 .3-175slcl	275 28	DOH4S 114	0.131 97754 6	15.35 35624 1	0.026 53686 5	0.781 11937 5	20.53 77456 4	0.011 38992 2	1.331 35896 9	4.3602 05925	- 6.4560 98275	0.4128 99612
TRCN 000005 4515	NM_018879 .1-383slcl	560 32	Tusc4	0.081 78838 5	15.30 84485 8	0.080 82737 1	27.23 12370 8	20.47 73989 7	0.034 69202 1	46.41 35865 7	4.3559 60571	- 4.8492 52301	5.5364 7528
TRCN 000003 9049	NM_010610 .1-269slcl	165 31	Kcnma 1	0.081 16125 4	15.30 77505 2	0.019 67284	20.47 64652	0.008 44380 5	1.704 42446 1	4.3558 94783	- 6.8878 90971	0.7692 84661	

TRCN 000007 7530	XM_132163 .4-480slcl	732 46	Rassf6	0.958 49130 4	15.21 64920 7	2.034 59232 7	0.704 76374 6	20.35 43930 2	0.873 27002 3	1.201 21656 7	4.3472 68295	- 0.1955 00277	- 0.2644 96277
TRCN 000018 0583	NM_008970 .1-900slcl	192 27	Pthlh	0.032 08406 9	15.14 75993 1	0.038 67245 5	0.871 30518 8	20.26 22383 8	0.016 59865 5	1.485 07386 1	4.3407 21653	- 5.9127 89876	- 0.5705 34686
TRCN 000004 2517	NM_010849 .2-1905slcl	178 69	Myc	0.071 99425 2	15.11 96661 1	2.709 27404 2	0.366 80173 5	20.22 48734 5	1.162 85104 1	0.625 18584 9	4.3380 5877	- 0.2176 66302	- 0.6776 42972
TRCN 000017 4483	NM_025813 .1-2107slcl	668 68	Mfsd1	0.022 97563 3	14.95 88383 3	0.346 25645 1	1.832 97145 7	20.00 97416 1	0.148 61718 2	3.124 16138 7	4.3226 30632	- 2.7503 27173	- 1.6434 68982
TRCN 000008 6181	NM_009366 .1-227slcl	218 07	Tsc22d 1	0.016 30589 1	14.02 77873 9	0.077 43903 1	1.252 72882 5	18.76 43181 1	0.033 23770 7	2.135 18165 1	4.2299 19959	- 4.9110 35317	- 1.0943 58813
TRCN 000012 6003	NM_027890 .3-524slcl	717 33	Susd2	0.024 27061	13.69 35391 1	0.038 58657 3	8.245 13253 9	18.31 72097 5	0.016 56179 3	14.05 32055 8	4.1951 2785	- 5.9159 97311	- 3.8128 27346
TRCN 000007 1929	NM_146120 .2-494slcl	227 753	Gsn	0.176 06694 7	13.63 28396 4	0.097 21837 3	0.131 36363 1	18.23 60148 9	0.041 72722 4	0.223 89938 6	4.1887 18587	- 4.5828 67233	- 2.1590 77523
TRCN 000017 5016	NM_029083 .1-1059slcl	747 47	Ddit4	0.107 82646 7	13.54 20441 3	0.046 10188 4	0.283 93551 3	18.11 45619 7	0.019 78745 4	0.483 94663 4	4.1790 78015	- 5.6592 70498	- 1.0470 80128
TRCN 000011 2666	NM_020606 .4-565slcl	573 42	Parva	0.124 88658 7	13.27 69015 2	0.017 98784 9	0.640 84977 5	17.75 98930 4	0.007 72058 8	1.092 28003 3	4.1505 50988	- 7.0170 73568	- 0.1273 42774
TRCN 000005 4613	NM_009689 .1-388slcl	117 99	Birc5	0.094 66691 7	13.23 18414 4	0.044 09182 9	2.811 28313 5	17.69 96182 7	0.018 92471 2	4.791 61974 1	4.1456 4634	- 5.7235 84882	- 2.2605 13422
TRCN 000008 9341	NM_139299 .1-1605slcl	218 624	Il31ra	0.009 15470 4	13.13 82121 3	0.047 04926 5	0.781 11937 5	17.57 43747 6	0.020 19407 6	1.331 35896 9	4.1354 01454	- 5.6299 24032	- 0.4128 99612
TRCN 000003 7089	NM_011880 .1-1357slcl	240 12	Rgs7	0.030 90133 2	12.97 25036 2	0.077 08612 2	17.35 27141 1	0.033 08623 5	1.704 42446 1	4.1170 89428	- 4.9176 25061	- 0.7692 84661	
TRCN 000007 1933	NM_146083 .1-383slcl	225 027	Sfrs7	0.077 25390 8	12.92 95158 2	1.058 66990 8	0.511 11815 2	17.29 52113 7	0.454 39309 1	0.871 16228 1	4.1123 0074	- 1.1379 87198	- 0.1989 86604
TRCN 000010 6372	NM_009396 .1-1662slcl	219 28	Tnfaip2	0.016 53903 1	12.85 42765	6.722 36549 3	0.006 75163	17.19 45672 3	2.885 31525	0.011 50764 4	4.1038 809	- 1.5287 28957	- 6.4412 63736
TRCN 000006 7209	NM_008176 .1-130slcl	148 25	Cxcl1	0.029 67414 9	12.55 41591 8	0.221 06754 5	3.649 66176	16.79 31142 6	0.094 88468 9	6.220 57277 8	4.0697 97896	- 3.3976 80882	- 2.6370 47427
TRCN 000005 4657	NM_011097 .1-833slcl	187 40	Pitx1	0.008 91351 2	12.32 53412 7	0.149 33802 8	0.543 28865 4	16.48 70351 9	0.064 09756 9	0.925 99447 1	4.0432 60082	- 3.9635 86538	- 0.1109 24515
TRCN 000002 6732	NM_023209 .1-584slcl	520 33	Pbk	0.027 56781 4	12.04 45383 1	0.040 08818 2	4.622 56626 9	16.11 14181 5	0.017 20630 1	7.878 81502 1	4.0100 11582	- 5.8609 1921	- 2.9779 78664
TRCN 000007 0635	NM_013601 .1-1137slcl	177 02	Msx2	0.065 55215 2	12.00 17600 9	0.083 32111 2	1.603 76104 5	16.05 41957 1	0.035 76236 3	2.733 48955 4	4.0048 78485	- 4.8054 14118	- 1.4507 43862
TRCN 000006 5813	NM_170786 .1-597slcl	128 03	Cntf	0.091 87865 2	11.98 61961 4	0.388 99111 2	0.830 97293 3	16.03 33765 5	0.166 95938 2	1.416 33059 3	4.0030 06377	- 2.5824 30929	- 0.5021 58052
TRCN 000010 8507	NM_177152 .4-3283slcl	320 398	Lrig3	0.024 02767 2	11.87 86166 6	0.525 08312 3	1.160 91900 8	15.88 94724 9	0.225 37161 1	1.978 69875 3	3.9899 99325	- 2.1496 22297	- 0.9845 51986
TRCN 000002 3768	NM_152809 .1-935slcl	704 25	Csnk1g 3	0.052 03418 7	11.81 98798 1	0.055 09701 8	15.81 09029 1	0.023 64826 3	1.704 42446 1	4.0048 78485	- 5.4021 2197	- 0.7692 84661	
TRCN 000012 5594	NM_173441 .1-1768slcl	734 73	Iws1	0.128 47567 4	11.76 59725 6	0.039 60466 2	0.337 66690 9	15.73 87937 1	0.016 99876 9	0.575 52774	3.9762 53066	- 5.8784 25948	- 0.7970 42628
TRCN 000007 9028	NM_175499 .2-3067slcl	239 250	Slitrk6	0.060 41714 5	11.53 40724 1	1.067 31583 3	0.048 75935 1	15.42 85916 9	0.458 10401 9	0.083 10663	3.9475 34474	- 1.1262 52875	- 3.5888 92607

TRCN 000002 7460	XM_134499 .4-1034slcl	136 17	Ednra	0.045 47617 4	11.52 02904 3	0.806 27406 4	1.203 64698 9	15.41 01561 7	0.346 06194 1	2.051 52537	3.9458 09577	1.5308 97808	1.0366 96995
TRCN 000000 9604	NM_009263 .1-272slcl	207 50	Spp1	0.104 47131 6	11.28 02267 2	0.076 42672 7	0.416 48094 2	15.08 90341 2	0.032 80321 5	0.709 86030 2	3.9154 28554	4.9300 18973	0.4943 92959
TRCN 000002 5211	NM_177326 .1-100slcl	224 105	Pak2	0.968 35874 8	11.20 13158 7	0.232 70106 3	3.189 53076 2	14.98 34787 5	0.099 87792 6	5.436 31425	3.9053 00712	3.3236 90323	2.4426 28854
TRCN 000006 7963	NM_053153 .1-268slcl	939 70	Klra18	0.060 19017 1	11.02 01494 9	0.203 44694 5	9.622 67042	14.74 11409 2	0.087 32172 8	16.40 11148 4	3.8817 76284	3.5175 15506	4.0357 21978
TRCN 000012 0471	NM_007636 .1-815slcl	124 61	Cct2	0.056 23459 1	11.00 75405 9	0.077 08612 2	14.72 42745 1	0.033 08623 5	1.704 42446 1	3.8801 24653	4.9176 25061	0.7692 84661	
TRCN 000006 7771	NM_010187 .1-674slcl	141 30	Fcgr2b	0.131 25555 9	10.82 78486 9	0.026 39340 4	14.48 39090 1	0.011 32834 7	1.704 42446 1	3.8563 79121	6.4639 18795	0.7692 84661	
TRCN 000008 0637	NM_008813 .2-754slcl	186 05	Enpp1	0.087 85483 8	10.82 04453 5	0.010 43740 2	14.47 40059 1	0.004 47985 8	1.704 42446 1	3.8553 92368	7.8023 33605	0.7692 84661	
TRCN 000002 6157	NM_008173 .1-1974slcl	148 15	Nr3c1	0.009 63746 4	10.64 29001 8	0.350 39800 2	0.076 63302 5	14.23 65120 8	0.150 39478 3	0.130 61520 3	3.8315 23827	2.7331 73574	2.9366 05266
TRCN 000012 0111	NM_028749 .1-153slcl	740 91	Npl	0.022 81552 4	10.58 88868 9	0.055 09701 8	9.452 65462 9	14.16 42610 1	0.023 64826 3	16.11 13357 7	3.8241 83429	5.4021 2197	4.0100 04206
TRCN 000017 5822	NM_030013 .1-141slcl	779 51	Cyp20a 1	0.019 80861 9	10.58 88868 9	1.135 82413 2	0.048 50840 6	14.16 42610 1	0.487 50855 5	0.082 67891 4	3.8241 83429	1.0365 00558	3.5963 36751
TRCN 000010 3611	NM_013506 .1-424slcl	136 82	Eif4a2	0.271 60362	10.47 70466	0.123 41275 5	8.203 91411 1	14.01 46574 6	0.052 97014 9	13.98 29518 8	3.8088 64578	4.2386 76612	3.8055 97049
TRCN 000001 1985	NM_019477 .2-1300slcl	507 90	Acs14	0.016 42443 7	10.41 27466 7	1.469 47512 4	0.016 94791 5	13.92 86464 5	0.630 71533 2	0.028 88644 1	3.7999 83162	0.6649 39091	5.1134 63745
TRCN 000003 2518	NM_020569 .1-341slcl	573 20	Park7	0.054 41136 1	10.32 59080 2	0.046 76040 6	13.81 24864 1	0.020 07009 5	1.704 42446 1	3.7879 01141	5.6388 0877	0.7692 84661	
TRCN 000008 7085	NM_176848 .1-358slcl	230 904	Fbxo2	0.084 92285 4	10.25 07656 8	0.557 94740 4	0.035 4852	13.71 19720 1	0.239 47733 2	0.060 48184 2	3.7773 64164	2.0620 38992	4.0473 5411
TRCN 000017 5530	NM_025558 .2-2183slcl	664 27	Cyb5b	0.041 94368	10.20 11221 3	0.009 17763 9	80.01 15069 6	13.64 55661 4	0.003 93914 6	136.3 73569 6	3.7703 60347	7.9879 01253	7.0914 20254
TRCN 000009 5428	NM_001025 305.1- 1236slcl	214 19	Tcfap2b	0.084 38313 4	10.08 18797 9	0.044 09182 9	13.48 60612 1	0.018 92471 3	1.704 42446 2	3.7533 97147	5.7235 84882	0.7692 84661	
TRCN 000009 3706	NM_024222 .2-1896slcl	682 92	Stt3b	0.078 05278 5	10.04 31105	0.032 48805 7	6.119 56958 8	13.43 42013 4	0.013 94424 1	10.43 03441	3.7478 38651	6.1641 86747	3.3827 14848
TRCN 000005 5164	NM_008707 .2-59slcl	181 07	Nmt1	0.073 13296 6	9.871 84460 3	0.025 10686 6	13.20 51069 1	0.010 77615 3	1.704 42446 1	3.7230 24079	6.5360 14238	0.7692 84661	
TRCN 000010 8924	NM_153128 .1-1673slcl	240 756	Klhl12	0.090 30631 6	9.761 09100 3	0.054 13193 5	13.05 6957 1	0.023 23403 8	1.704 42446 1	3.7067 46802	5.4276 16263	0.7692 84661	
TRCN 000003 1355	NM_028906 .2-2294slcl	743 88	Dpp8	0.164 16688 7	9.746 36349 4	0.215 93400 3	0.539 04749 9	13.03 72566 9	0.092 68131 5	0.918 76574 4	3.7045 68424	3.4315 77682	0.1222 31029
TRCN 000007 0777	NM_010451 .1-854slcl	153 99	Hoxa2	0.030 12354 6	9.694 09581 3	0.039 57482 6	6.433 84940 4	12.96 73406 5	0.016 98596 3	10.96 60103	3.6968 10736	5.8795 13196	3.4549 66829
TRCN 000012 7421	NM_026345 .2-1595slcl	677 29	Mansc1	0.108 87082 6	9.558 06439 6	0.014 43509 1	12.78 53777 1	0.006 19570 4	1.704 42446 1	3.6764 22882	7.3345 16022	0.7692 84661	
TRCN 000003 0992	NM_173369 .1-767slcl	742 56	Cyld	0.153 20066 1	9.487 21359 7	0.066 03698 9	6.328 31744 6	12.69 06039 4	0.028 34382 2	10.78 61390 5	3.6656 88823	5.1408 21879	3.4311 06633

TRCN 000004 2526	NM_008709 .2-944slcl	181 09	Mycn	0.022 84926 3	9.413 11065 5	0.106 23480 8		12.59 14798 9	0.045 59718	1.704 42446 1	3.6543 75949	- 4.4549 11582	- 0.7692 84661
TRCN 000018 3990	NM_175360 .2-370slcl	108 689	Obfc1	0.068 89830 4	9.299 88627 3	0.574 33060 4	0.389 38354 1	12.44 00249	0.246 50918 7	0.663 67483 2	3.6369 17468	- 2.0202 86682	- 0.5914 51531
TRCN 000007 0891	NM_008270 .1-759slcl	154 17	Hoxb9	0.090 30631 6	9.077 18698 3	0.074 52178	0.781 11937 5	12.14 21304 3	0.031 98559	1.331 35896 9	3.6019 4967	- 4.9664 34082	- 0.4128 99612
TRCN 000010 5180	NM_133774 .2-979slcl	170 459	Stard4	0.115 54989 5	9.019 48368 2	0.640 10447 1	0.008 04542 9	12.06 49434 1	0.274 74007 4	0.013 71282 6	3.5927 49243	- 1.8638 60735	- 6.1883 30307
TRCN 000010 5049	NM_011636 .1-278slcl	220 38	Plscr1	0.077 11825	8.668 84541 3	0.108 70705 4	13.12 54077 4	11.59 59109 2	0.046 65829 6	22.37 12660 1	3.5355 44251	- 4.4217 22557	- 4.4835 74997
TRCN 000019 1380	NM_177150 .1-1286slcl	320 394	Cenpt	0.015 67098 5	8.643 46915 6	0.051 42941 1	59.56 48213 6	11.56 19662 8	0.022 07408 4	101.5 23738 5	3.5313 14865	- 5.5015 02599	- 6.6656 73291
TRCN 000003 0943	NM_174874 .1-1052slcl	666 15	Atg4b	0.068 21323 8	8.609 33734 2	0.928 03229 4	0.562 86247 1	11.51 63097 5	0.398 32195 4	0.959 35656 4	3.5256 06592	- 1.3279 93112	- 0.0598 60974
TRCN 000006 5680	NM_013589 .1-3543slcl	169 97	Ltbp2	0.061 20731 6	8.511 8538	0.280 39237	0.071 99503 7	11.38 59105 5	0.120 34757 4	0.122 71010 1	3.5091 77766	- 3.0547 21033	- 3.0266 74079
TRCN 000010 0367	NM_028870 .1-572slcl	743 25	Cltb	0.030 90133 2	8.442 36711 8	0.118 45019 1		11.29 29614 5	0.050 84016 1	1.704 42446 1	3.4973 51961	- 4.2978 87594	- 0.7692 84661
TRCN 000011 5265	NM_023418 .1-345slcl	186 48	Pgam1	0.064 75252 2	8.367 29535 1	0.088 07005 1	1.603 76104 5	11.19 25414 4	0.037 80066 1	2.733 48955 4	3.4844 65755	- 4.7254 44717	- 1.4507 43862
TRCN 000007 7766	NM_009828 .1-614slcl	124 28	Ccna2	0.025 12228 6	8.366 23368 5	0.060 50926 6	3.622 49929 6	11.19 11213	0.025 97125 8	6.174 27640 9	3.4842 8269	- 5.2669 40279	- 2.6262 70071
TRCN 000012 4317	NM_207675 .2-460slcl	547 25	Igsf4a	0.070 61419 8	8.283 36710 3	0.413 31146 1	0.907 57311 1	11.08 02745 3	0.177 39795 1	1.546 88981 1	3.4699 21722	- 2.4949 38752	- 0.6293 70434
TRCN 000007 1104	NM_007840 .1-467slcl	132 07	Ddx5	0.193 43180 5	8.085 39210 1	0.516 37913 2	0.025 03144 4	10.81 54525 9	0.221 63576	0.042 66420 5	3.4350 22133	- 2.1737 37423	- 4.5508 30026
TRCN 000003 9051	NM_010610 .1-2950slcl	165 31	Kcnma 1	0.024 08541 3	8.081 03675	0.017 95808 7	1.603 76104 5	10.80 96266 4	0.007 70781 4	2.733 48955 4	3.4342 44789	- 7.0194 6256	- 1.4507 43862
TRCN 000018 1767	NM_001013 806.1- 539slcl	433 667	Ankrd1 3c	0.081 23993 2	8.017 70165 7	0.139 13252 2	0.063 08613	10.72 49062 3	0.059 71725 1	0.107 52554 3	3.4228 93129	- 4.0657 08437	- 3.2172 48672
TRCN 000012 5410	NM_173437 .1-2975slcl	215 690	Nav1	0.105 9806	8.009 97640 1	0.200 22015 7	0.220 16487 5	10.71 45725 2	0.085 93675 4	0.375 25439 9	3.4215 02386	- 3.5405 809	- 1.4140 5911
TRCN 000010 9651	NM_011821 .1-881slcl	238 88	Gpc6	0.144 55714 6	7.977 23182 2	0.017 42210 1	81.89 79447 6	10.67 07716 2	0.007 47776 3	139.5 88860 3	3.4155 92598	- 7.0631 77581	- 7.1250 40004
TRCN 000009 5868	NM_009534 .1-704slcl	226 01	Yap1	0.167 13501 4	7.964 06502	0.333 15626	0.097 74252 9	10.65 3159	0.142 99443 2	0.166 59475 8	3.4132 09394	- 2.8059 69119	- 2.5855 85093
TRCN 000010 2320	NM_011317 .2-1585slcl	202 18	Khdrbs 1	0.058 60216 3	7.814 75127 6	0.180 42869 9	2.327 06446	10.45 34289 6	0.077 44203 7	3.966 30558 7	3.3859 04351	- 3.6907 39291	- 1.9877 95835
TRCN 000007 9810	NM_178716 .2-1088slcl	238 799	Tnpo1	0.079 26379 9	7.792 04700 9	0.523 23385 3	0.018 9252	10.42 30585 2	0.224 57788 4	0.032 25657 4	3.3817 06775	- 2.1547 12235	- 4.9542 62969
TRCN 000010 0284	NM_177336 .2-3045slcl	218 878	UNK	0.271 56431 8	7.733 84965 4	0.025 35681 7	0.494 72650 2	10.34 52106 2	0.010 88343 3	0.843 22395 2	3.3708 91113	- 6.5217 22553	- 0.2460 12248
TRCN 000019 0067	NM_177150 .1-141slcl	320 394	Cenpt	0.085 17158 7	7.687 13579 5	0.030 87622 9		10.28 27236 7	0.013 25242 7	1.704 42446 1	3.3621 50548	- 6.2375 99636	- 0.7692 84661
TRCN 000017 3975	NM_199042 .1-500slcl	737 54	Thap1	0.044 42808 5	7.669 84303 1	0.786 21247	0.176 76048 2	10.25 95919 4	0.337 45127 8	0.301 27488 9	3.3589 01447	- 1.5672 48876	- 1.7308 47663

TRCN 000006 9471	NM_146188 .1-568slcl	233 107	Kctd15	0.045 00814 6	7.533 75350 3	0.013 37318 4	8.848 89358 4	10.07 75513 2	0.005 73992 2	15.08 22706 7	3.3330 73225	- 7.4447 53238	- 3.9147 81741
TRCN 000002 8922	NM_010607 .1-805slcl	165 26	Kcnk2	0.144 55714 6	7.520 56783 7	0.333 98340 1	1.295 78798 6	10.05 99134 7	0.143 34945 1	2.208 57273 8	3.3305 4599	- 2.8023 91719	- 1.1431 14348
TRCN 000004 1898	NM_175177 .3-829slcl	719 11	Bdh1	0.209 03232 9	7.438 19993 9	0.011 65796 4	8.848 89358 4	9.949 73376 5	0.005 00373 7	15.08 22706 7	3.3146 57923	- 7.6427 80323	- 3.9147 81741
TRCN 000019 0193	NM_030197 .1-332slcl	788 32	270007 8E11Ri k	0.107 18687 4	7.369 91400 9	1.080 80683 8	0.090 50500 2	9.858 39085 5	0.463 89451 1	0.154 25893 9	3.3013 52181	- 1.1081 3132	- 2.6965 74006
TRCN 000003 4430	NM_008142 .2-383slcl	146 88	Gnb1	0.184 94301 3	7.342 35194 3	0.439 96918 9	0.369 22438 5	9.821 52236 2	0.188 83974 9	0.629 31507 3	3.2959 46663	- 2.4047 65627	- 0.6681 45597
TRCN 000006 8403	NM_015747 .1-521slcl	205 15	Slc20a1	0.051 05987 7	7.320 55586 5	0.010 99437 9		9.792 36676 4	0.004 71891 2	1.704 42446 1	3.2916 57594	- 7.7273 30076	- 0.7692 84661
TRCN 000010 5183	NM_133774 .2-692slcl	170 459	Stard4	0.035 07191	7.225 24638 5	0.034 30347 8		9.664 87571 1	0.014 72344 1	1.704 42446 1	3.2727 51179	- 6.0857 41338	- 0.7692 84661
TRCN 000009 8301	NM_011824 .3-413slcl	238 92	Grem1	0.059 92603 4	7.157 08032 4	0.389 76341 2	1.068 21251 3	9.573 69314 4	0.167 29086 2	1.820 68753 6	3.2590 75565	- 2.5795 69454	- 0.8644 8335
TRCN 000007 2074	NM_009391 .2-373slcl	193 84	Ran	0.010 84220 2	7.148 04240 2	0.531 91353 8	0.263 00974 3	9.561 60353 6	0.228 30330 2	0.448 28023 9	3.2572 52587	- 2.1309 76367	- 1.1575 27191
TRCN 000012 5079	NM_007791 .2-993slcl	130 07	Csrp1	0.170 40666 5	7.134 00242 7	0.411 74093 7	0.566 73666 3	9.542 82291 4	0.176 72386 4	0.965 95983 1	3.2544 16101	- 2.5004 31228	- 0.0499 64899
TRCN 000018 1269	NM_026931 .1-258slcl	690 68	181001 1O10Ri k	0.041 8675	7.044 88656 3	0.068 53817 2		9.423 61677 3	0.029 41735 8	1.704 42446 1	3.2362 80871	- 5.0871 88499	- 0.7692 84661
TRCN 000005 4700	NM_009263 .1-1003slcl	207 50	Spp1	0.108 29588 4	7.017 31335 5	0.639 09830 4	1.852 14252 5	9.386 73337 6	0.274 30821 6	3.156 83702 4	3.2306 23181	- 1.8661 30263	- 1.6584 79781
TRCN 000009 5936	NM_011749 .3-958slcl	226 61	Zfp148	0.067 58493 1	6.994 96131 1	0.356 16274 7	2.158 52775 2	9.356 83408 8	0.152 86907 7	3.679 04749 9	3.2260 20472	- 2.7096 31495	- 1.8793 32303
TRCN 000003 0989	NM_173369 .1-1807slcl	742 56	Cyld	0.135 76268 9	6.888 64744 6	0.089 73361 3	0.781 11937 5	9.214 62298 1	0.038 51468 1	1.331 35896 9	3.2039 25139	- 4.6984 47717	- 0.4128 99612
TRCN 000007 7771	NM_007630 .1-939slcl	124 42	Ccnb2	0.055 23020 3	6.824 46122 3	0.146 53171 4		9.128 76405 7	0.062 89306 8	1.704 42446 1	3.1904 19547	- 3.9909 5518	- 0.7692 84661
TRCN 000001 2150	NM_007417 .1-573slcl	115 51	Adra2a	0.405 46976 9	6.781 64973 5	0.017 35306 5		9.071 49711 7	0.007 44813 2	1.704 42446 1	3.1813 40666	- 7.0689 05686	- 0.7692 84661
TRCN 000008 1909	NM_009530 .1-509slcl	225 89	Atrx	0.675 46308 4	6.776 53848 3	0.276 35716 9	0.094 40359 9	9.064 66003 9	0.118 61561 7	0.160 90380 3	3.1802 52914	- 3.0756 34132	- 2.6357 29666
TRCN 000002 7706	NM_023223 .1-894slcl	107 995	Cdc20	0.109 40170 1	6.698 14814 6	0.110 01669 6		8.959 80093 5	0.047 22040 9	1.704 42446 1	3.1634 66679	- 4.4044 45642	- 0.7692 84661
TRCN 000006 7770	NM_010187 .1-81slcl	141 30	Fcgr2b	0.084 32622 1	6.639 28408 5	0.619 30729 3	0.069 91944 6	8.881 06122 6	0.265 81369 4	0.119 17241 4	3.1507 32078	- 1.9115 12686	- 3.0688 77776
TRCN 000003 2863	NM_145919 .1-824slcl	686 44	Abhd14 a	0.080 94534 3	6.638 80709 6	0.039 13716 5	0.781 11937 5	8.880 42317 6	0.016 79811 3	1.331 35896 9	3.1506 28426	- 5.8955 56976	- 0.4128 99612
TRCN 000003 1260	NM_008607 .1-214slcl	173 86	Mmp13	0.224 53249 5	6.632 91863 3	0.220 98575 2	0.836 53786 5	8.872 54645 3	0.094 84958 2	1.425 8156 2	3.1493 48223	- 3.3982 1477	- 0.5117 8741
TRCN 000009 9054	NM_025298 .2-350slcl	269 39	Polr3e	0.077 25390 8	6.614 45433 1	0.128 28399 4	2.811 28313 5	8.847 84761 5	0.055 06094 1	4.791 61974 1	3.1453 26538	- 4.1828 26946	- 2.2605 13422
TRCN 000010 0667	NM_010762 .2-474slcl	171 53	Mal	0.312 22836 6	6.600 02972	0.111 63983 2	0.134 31972	8.828 55248 5	0.047 91707 8	0.228 93781 6	3.1421 76915	- 4.3833 16258	- 2.1269 72305

TRCN 000018 2693	NM_013768 .1-205slc1	273 74	Prmt5	0.427 99561	6.527 50652 9	0.481 69934 4	3.624 70446 4	8.731 54158 8	0.206 75080 3	6.178 03495 1	3.1262 3639	- 2.2740 35163	- 2.6271 48033
TRCN 000010 6038	NM_028818 .1-1122slc1	742 06	261051 1M17Ri k	0.088 88292 1	6.501 85587 1	0.231 91576	4.462 24268 8	8.697 22989 7	0.099 54086 5	7.605 55558 8	3.1205 5597	- 3.3285 67261	- 2.9270 53641
TRCN 000008 1910	NM_009530 .1-7064slc1	225 89	Atrx	0.289 92479 2	6.495 74922 7	0.371 02139 2	1.075 31533 6	8.689 06132 4	0.159 24657 5	1.832 79376 2	3.1192 00332	- 2.6506 65749	- 0.8740 44454
TRCN 000012 4816	NM_053182 .2-1802slc1	942 12	Pag1	0.238 92384 4	6.451 76022 7	0.404 02283 7	0.129 44753 8	8.630 21927 8	0.173 41116 8	0.220 63355 1	3.1093 97216	- 2.5277 31279	- 2.1802 75904
TRCN 000011 4495	NM_139305 .1-898slc1	230 099	Car9	0.102 02442 8	6.422 51175 8	0.015 14238	6.433 84940 4	8.591 09497 1	0.006 49928 1	10.96 60103	3.1028 42021	- 7.2655 04244	- 3.4549 66829
TRCN 000017 6614	NM_177889 .2-1647slc1	330 502	Zfp82	0.273 61485 1	6.398 57343 8	0.022 59628 1	0.781 11937 5	8.559 07379 6	0.009 69857 9	1.331 35896 9	3.0974 54687	- 6.6880 10874	- 0.4128 99612
TRCN 000011 1942	NM_145973 .2-1197slc1	269 344	Ell3	0.027 10504 1	6.342 57567 2	0.053 20007 8	4.622 56626 9	8.484 16819 1	0.022 83407 5	7.878 81502 1	3.0847 73221	- 5.4526 6785	- 2.9779 78664
TRCN 000008 1746	NM_008241 .1-1144slc1	152 28	Foxg1	0.023 82413	6.339 88644	0.133 83971 9	8.480 57093 1	0.057 44552	1.704 42446 1	3.0841 61393	- 4.1216 61801	- 0.7692 84661	
TRCN 000009 8592	NM_008303 .2-281slc1	155 28	Hspe1	0.211 35277 3	6.317 83938 3	0.141 66371 9	1.674 19013 9	8.451 07960 9	0.060 80366 9	2.853 53062 5	3.0791 35655	- 4.0396 97805	- 1.5127 48047
TRCN 000012 4316	NM_207675 .2-734slc1	547 25	Igsf4a	0.028 38033 9	6.264 65226 9	0.013 03475 1	77.07 38916 6	8.379 93368 2	0.005 59466 3	131.3 66626 2	3.0669 38827	- 7.4817 33155	- 7.0374 54994
TRCN 000002 2718	NM_008926 .2-564slc1	190 92	Prkg2	0.040 04016 9	6.238 85756 4	0.121 80763 9	0.267 04749 3	8.345 42930 6	0.052 28121 6	0.455 16227 9	3.0609 86267	- 4.2575 63504	- 1.1355 47094
TRCN 000020 2191	NM_011474 .1-315slc1	207 62	Spr2h	0.299 31430 1	6.211 80616 5	0.322 56752 3	1.566 27335 2	8.309 24391	0.138 44962 7	2.669 59461 3	3.0547 17207	- 2.8525 66929	- 1.4166 20681
TRCN 000009 5995	NM_019797 .2-980slc1	564 04	Trip4	0.060 79855 4	6.192 58166	0.073 80187 1	5.989 62846 4	8.283 52818 4	0.031 67659 7	10.20 88692 6	3.0502 45382	- 4.9804 3883	- 3.3517 51176
TRCN 000010 1544	NM_133699 .1-328slc1	687 75	Atp6v1 c2	0.056 19820 2	6.191 14112 6	0.027 84418 8	51.71 49399 7	8.281 60124 9	0.011 95104 6	88.14 42086 6	3.0499 0974	- 6.3867 20003	- 6.4617 93878
TRCN 000010 0471	NM_015774 .2-1049slc1	505 27	Ero11	0.096 25840 3	6.115 03207 7	0.230 27431	0.031 42327 4	8.179 79371 7	0.098 83633 6	0.053 55859 7	3.0320 64461	- 3.3388 14655	- 4.2227 38021
TRCN 000011 0154	NM_133962 .3-613slc1	102 098	Arhgef1 8	0.114 51609 8	6.092 83772 6	0.082 01533 2	4.037 21658 6	8.150 10536 8	0.035 20190 7	6.881 13070 3	3.0268 18711	- 4.8282 02586	- 2.7826 45647
TRCN 000010 1523	NM_153389 .2-434slc1	231 287	Atp10d	0.212 89754 4	6.027 87046 7	0.005 89672	8.063 20169 1	53093 9	42446 1	3.0113 5281	- 8.6261 11541	- 0.7692 84661	
TRCN 000012 0533	NM_026102 .1-805slc1	208 846	Daam1	0.106 68426 7	5.954 74915 9	0.925 24950 5	0.469 68972 6	7.965 39072	0.397 12754 5	0.800 55065 7	2.9937 45131	- 1.3323 25664	- 0.3209 35398
TRCN 000011 0025	NM_017402 .2-3146slc1	541 26	Arhgef7	0.223 14324 3	5.929 87838 9	0.731 98128 1	5.244 33207 9	7.932 12224 9	0.314 17463 9	8.938 56787 6	2.9877 06912	- 1.6703 61368	- 3.1600 43703
TRCN 000002 8242	NM_198618 .1-742slc1	242 667	Dlgap3	0.253 31519 3	5.879 25954 9	0.403 00809 7	0.134 31972	7.864 41178 3	0.172 97563	0.228 93781 6	2.9753 38864	- 2.5313 59297	- 2.1269 72305
TRCN 000006 5355	NM_009851 .1-453slc1	125 05	Cd44	0.093 22076 7	5.870 93884 7	0.331 94145 1	0.011 20229 4	7.853 28156 7	0.142 47302 2	0.019 09346 5	2.9732 95624	- 2.8112 39327	- 5.7107 77267
TRCN 000002 5213	NM_177326 .1-320slc1	224 105	Pak2	0.011 18803 7	5.853 71768 6	27.83 93545 6	2.336 50589 4	7.830 24562 2	11.94 89656 4	3.982 39779 8	2.9690 57563	- 3.5788 13831	- 1.9936 37338
TRCN 000009 5262	NM_175170 .2-2103slc1	715 92	Pogk	0.080 61900 3	5.853 71768 6	0.170 83160 7	7.830 24562 1	0.073 24562 2	1.704 32285 7	42446 1	2.9690 57563	- 3.7695 93196	- 0.7692 84661

TRCN 000008 9202	XM_204001 .4-381slc1	136 38	Efna3	0.089 88737 6	5.815 00661 3	1.474 97898 7	0.031 70242 2	7.778 46362 2	0.633 07765 2	0.054 03438 3	2.9594 85227	0.6595 45626	- - - 4.2099 78483
TRCN 000007 6464	NM_011030 .1-1219slc1	184 51	P4ha1	0.720 50889 2	5.796 57912 8	0.592 85934 4	0.097 46830 1	7.753 81403 3	0.254 46193 1	0.166 12735 6	2.9549 06134	1.9744 78257	- - - 2.5896 38435
TRCN 000007 1551	NM_021459 .2-969slc1	163 92	Is11	0.171 77976 1	5.791 57458 6	0.020 31958 8		7.747 11969 1	0.008 72139 7	1.704 42446 1	2.9536 60029	6.8412 25049	0.7692 84661
TRCN 000007 1106	NM_007840 .1-1878slc1	132 07	Ddx5	0.114 89803 8	5.778 52188 9	0.299 83696 2	0.024 02054 5	7.729 65970 5	0.128 69341 3	0.040 94119 6	2.9504 04901	2.9579 89882	- - - 4.6103 02948
TRCN 000003 9428	NM_133975 .2-2919slc1	148 97	Trip12	0.271 7395 2	5.751 99845 2	0.766 58712 2	0.166 80175 3	7.694 18053 8	0.329 02785 7	0.284 30098 8	2.9437 67682	1.6037 18359	1.8145 0898
TRCN 000006 8450	NM_133207 .1-3342slc1	170 738	Kcnh7	0.050 90283 1	5.744 34974 3	0.164 23097 2	1.252 72882 5	7.683 94921 6	0.070 48978 9	2.135 18165 1	2.9418 47984	3.8264 41897	- - - 1.0943 58813
TRCN 000008 1035	XM_354809 .1-357slc1	723 91	Cdkn3	0.084 80773 9	5.708 73734 6	0.561 60458 2	0.325 76926 9	7.636 31217 1	0.241 04703 4	0.555 24911 4	2.9328 76081	2.0526 13415	0.8487 92919
TRCN 000010 1432	NM_021891 .2-2009slc1	605 30	Fign1	0.023 06533 9	5.708 73734 6	0.369 80738 5	0.308 47893 7	7.636 31217 1	0.158 72550 9	0.525 77904 6	2.9328 76081	2.6553 94086	0.9274 71449
TRCN 000010 1831	NM_011061 .1-267slc1	186 02	Padi4	0.204 91222 5	5.691 81448 6	0.032 16152 8		7.613 67524 9	0.013 80409 2	1.704 42446 1	2.9285 93035	6.1787 60247	0.7692 84661
TRCN 000012 0662	NM_026917 .4-1779slc1	690 35	Zdhhc3	0.119 43871 7	5.679 79987 8	0.031 25831 7	1.949 18804 7	7.597 60386 7	0.013 41642 3	3.322 24377 4	2.9255 44493	6.2198 56118	1.7321 57937
TRCN 000006 6342	NM_007910 .1-559slc1	136 39	Efna4	0.079 42546 3	5.677 90293 1	0.956 41412 8	0.046 32538 8	7.595 06641 4	0.410 50375 4	0.078 95811 4	2.9250 62579	1.2845 3268	3.6627 68732
TRCN 000011 4156	NM_026341 .1-1255slc1	677 25	Nudt13	0.351 14103 8	5.628 36218 1	0.185 65020 4	0.229 21804 4	7.528 79805 5	0.079 68316 6	0.390 68484 2	2.9124 19562	3.6495 81218	1.3559 22814
TRCN 000000 9706	NM_021451 .1-968slc1	588 01	Pmaip1	0.188 34314 3	5.616 85348 1	0.063 29941 6	0.076 63302 5	7.513 40340 3	0.027 16882 5	0.130 61520 3	2.9094 66564	5.2019 04023	2.9366 05266
TRCN 000017 4802	NM_026521 .3-2260slc1	680 36	Zfp706	0.028 78425 5	5.610 52954 4	0.711 76456 3	0.736 49629 8	7.504 94416 6	0.305 49739 5	1.255 30230 6	2.9078 41339	1.7107 68015	0.3280 3484
TRCN 000010 1880	NM_144900 .1-3458slc1	119 28	Atp1a1	0.109 51273 5	5.545 81711 2	0.269 51009 3	0.173 50150 1	7.418 38135 9	0.115 67677 8	0.295 72020 3	2.8911 04435	3.1118 28821	1.7576 95287
TRCN 000010 0438	NM_133685 .1-581slc1	106 572	Rab31	0.055 23020 3	5.530 13650 7	0.332 83846 7	6.447 58611 4	7.397 40614 3	0.142 85803 2	10.98 94234 8	2.8870 19487	2.8073 45943	3.4580 43798
TRCN 000011 0577	NM_009222 .2-775slc1	206 19	Snap23	0.109 40170 1	5.505 90014 2	0.133 83971 9		7.364 98628 7	0.057 44552 1	1.704 42446 1	2.8806 82839	4.1216 61801	0.7692 84661
TRCN 000019 1306	NM_026023 .3-508slc1	526 53	Nudcd2	0.038 05687 8	5.505 24362 2	0.983 90787 7	0.026 92467 3	7.364 10809 1	0.422 30438 1	0.045 89107 1	2.8805 10803	1.2436 4488	4.4456 42722
TRCN 000002 9842	NM_007955 .2-368slc1	139 24	Ptpv	0.373 32208 1	5.490 04158 2	0.310 94788 8	0.041 22391 1	7.343 77302 9	0.133 46234 8	0.070 26304 2	2.8765 21471	2.9054 95304	3.8310 90146
TRCN 000006 6534	NM_009777 .1-649slc1	122 60	C1qb	0.099 15374 5	5.477 90319 8	0.176 15600 7	0.020 32651 8	7.327 53607 8	0.075 60814 9	0.034 64501 5	2.8733 28166	3.7253 14447	4.8512 0841
TRCN 000007 0202	NM_054055 .1-158slc1	114 644	Slc13a3	0.044 84339 5	5.458 99142 7	0.053 39951 5	0.781 11937 5	7.302 23868 3	0.022 91967 5	1.331 35896 9	2.8683 38826	5.4472 69581	0.4128 99612
TRCN 000012 6042	NM_013587 .2-535slc1	169 76	Lrpal1	0.050 49012 4	5.450 72532 6	2.543 29926 6		7.291 18150 4	1.091 61279 1	1.880 98942 1	2.8661 52616	0.1264 61205	0.9114 91735
TRCN 000009 0904	NM_011902 .1-249slc1	240 84	Tekt2	0.641 88162 1	5.408 94432 8	0.407 11491 5	0.057 03651 2	7.235 29300 8	0.174 73832 3	0.097 21442 5	2.8550 51443	2.5167 32044	3.3626 85783

TRCN 000009 8419	NM_009265 .2-474s1c1	207 54	Sprr1b	0.187 01874 8	5.407 71081 7	0.293 01203 2	0.034 45732 5	7.233 64299 8	0.125 76407 6	0.058 72990 8	2.8547 22398	- 2.9912 08214	- 4.0897 6081	
TRCN 000011 1943	NM_145973 .2-1196s1c1	269 344	Ell3	0.045 14015 9	5.380 64762 7	0.046 06343 4	6.433 84940 9	7.197 44182 5	0.019 77094 5	10.96 60103	2.8474 84224	- 5.6604 74383	- 3.4549 66829	
TRCN 000009 5669	NM_013860 .1-4031s1c1	298 06	Limd1	0.103 05390 3	5.344 81100 3	0.010 27393 1	1.252 72882 5	7.149 50484 5	0.004 40968 7	2.135 18165 1	2.8378 43328	- 7.8251 07982	- 1.0943 58813	
TRCN 000007 7252	NM_011130 .1-629s1c1	189 70	Polb	0.179 64109 5	5.324 95848 9	0.980 91968 2	0.211 17679 9	7.122 94906 1	0.421 02181 5	0.359 93490 2	2.8324 74673	- 1.2480 33109	- 1.4741 92092	
TRCN 000009 0506	NM_007742 .2-236s1c1	128 42	Colla1	0.671 38424 7	5.297 98841 4	0.076 62497 5	0.741 83730 7	7.086 87244 8	0.032 88830 5	1.264 40565 2	2.8251 49083	- 4.9262 81522	- 0.3384 59389	
TRCN 000007 7426	NM_134083 .2-1568s1c1	105 670	Rcbtb2	0.020 38391 7	5.267 45054 1	0.139 89844 3	2.207 52209	7.046 02335 7	0.060 04599 3	3.762 55464 8	2.8168 09257	- 4.0577 88219	- 1.9117 12536	
TRCN 000002 9863	NM_008737 .1-2264s1c1	181 86	Nrp1	0.110 02011 1	5.261 22957 3	0.634 21389 3	1.291 31625	7.037 70185 8	0.272 21177 1	2.200 95100 2	2.8151 04398	- 1.8771 98641	- 1.1381 27028	
TRCN 000011 3122	NM_021710 .1-527s1c1	117 82	Ap4s1	0.086 19668 7	5.224 80638 2	0.013 78099 7	44.64 07982 2	6.988 98025 1	0.005 91496	76.08 68684 3	2.8050 8197	- 7.4014 15931	- 6.2495 7558	
TRCN 000012 5579	NM_011574 .1-1642s1c1	217 71	Cirh1a	0.013 31094 4	5.206 55532 8	1.214 63551 1	0.158 12609 2	6.964 56666 5	0.521 33529	0.269 51397 9	2.8000 33591	- 0.9397 16574	- 1.8915 67989	
TRCN 000010 5600	NM_013593 .2-667s1c1	171 89	Mb	0.048 52905	5.193 47149	0.030 73280 4	7.103 61916 5	6.947 06502 5	0.013 19086 7	12.10 75822 6	2.7964 03601	- 6.2443 16825	- 3.5978 389	
TRCN 000003 9174	NM_029669 .2-1752s1c1	765 94	Dnajc1 8	0.091 72373 4	5.169 63532 4	0.531 49932 3	1.934 21797 8	6.915 18049 4	0.228 12551 7	3.296 72843 4	2.7897 66908	- 2.1321 00267	- 1.7210 35051	
TRCN 000012 6672	NM_172506 .1-2935s1c1	117 606	Boc	0.491 87730 6	5.141 93640 7	1.017 11632 2	0.312 06649 8	6.878 12894 3	0.436 55782 2	0.531 89377 2	2.7820 16162	- 1.1957 55345	- 0.9107 8995	
TRCN 000018 4102	NM_028071 .1-362s1c1	720 42	Cotl1	0.027 41384 3	5.100 93867 7	0.180 58475 8	19.77 85134 5	6.823 28818 8	0.077 50901 9	33.71 09821 3	2.7704 67151	- 3.6894 9199	- 5.0751 46754	
TRCN 000011 2956	NM_011366 .1-599s1c1	204 10	Sorbs3	0.094 15296 1	5.099 47502	0.035 89731 3	6.821 33032 1	0.015 40753 3	1.704 42446 1	1.704 42446	2.7700 53127	- 6.0202 20339	- 0.7692 84661	
TRCN 000008 0279	NM_028623 .2-614s1c1	737 20	Cst6	0.084 80773 9	5.076 55019 5	0.128 28399 4	6.790 66485 1	0.055 06094	1.704 42446 1	1.704 42446	2.7635 52831	- 4.1828 26946	- 0.7692 84661	
TRCN 000010 5112	NM_024289 .1-2045s1c1	791 96	Osbp15	0.073 27045 3	5.076 55019 5	0.128 28399 4	6.790 66485 1	0.055 06094	1.704 42446 1	1.704 42446	2.7635 52831	- 4.1828 26946	- 0.7692 84661	
TRCN 000007 1748	NM_015814 .2-248s1c1	507 81	Dkk3	0.056 99842 9	5.029 00094 1	0.269 71245	2.183 37128 2	6.727 06042 8	0.115 76363 2	0.115 39142 2	0.115 76363	2.7499 76218	- 3.1107 46003	- 1.8958 42143
TRCN 000017 4824	NM_180588 .1-210s1c1	725 49	Reep4	0.066 71652 7	5.006 39861 2	0.176 19903 8	19.02 91220 9	6.696 82634 4	0.075 62661 8	32.43 37011 6	2.7434 77558	- 3.7249 62078	- 5.0194 21761	
TRCN 000019 8802	NM_198037 .1-2682s1c1	320 508	Cachd1	0.090 11875 2	5.005 07630 5	0.711 06386 5	1.224 17129 9	6.695 05755 6	0.305 19664 8	2.086 50750 6	2.7430 96458	- 1.7121 88978	- 1.0610 90111	
TRCN 000011 3294	NM_172616 .1-609s1c1	224 171	C33002 7C09Ri k	0.206 32248 3	4.983 74489 5	0.252 82497 8	2.358 28976 5	6.666 52352 2	0.108 51533 8	4.019 52676 2	2.7369 34617	- 3.2040 29119	- 2.0070 25656	
TRCN 000017 5920	NM_026796 .1-1405s1c1	226 830	Smyd2	0.033 46893 9	4.967 04698 5	0.170 83160 7	6.644 18750 1	0.073 6.644 5	1.704 42446 7	1.704 42446	2.7320 92788	- 3.7695 93196	- 0.7692 84661	
TRCN 000006 6198	NM_010099 .1-638s1c1	136 07	Eda	1.623 53392 5	4.946 18972 6	0.495 46736 7	0.011 99286 2	6.616 28772	0.212 66019 4	0.020 44092 8	2.7260 21974	- 2.2333 78081	- 5.6123 95525	
TRCN 000004 1787	NM_029573 .2-733s1c1	678 34	Idh3a	0.155 11636	4.909 34416 4	0.237 21356 3	4.798 57120 1	6.567 00112 9	0.101 81474 2	8.178 80213 2	2.7152 34703	- 3.2959 81622	- 3.0318 89561	

TRCN 000006 6906	NM_207648 .1-309s1c1	110 557	H2-Q6	0.063 88645 7	4.903 60149 9	20.10 77273 4	0.004 50839	6.559 31943 3	8.630 46384 6	0.007 68421	2.7135 46135	3.1094 38099	- 7.0238 87307
TRCN 000012 0468	NM_007636 .1-1354s1c1	124 61	Cct2	0.030 90133 2	4.882 97414 9	0.204 79322	1	6.531 72718 6	0.087 89956 5	1.704 42446 1	2.7074 64534	3.5080 00167	- 0.7692 84661
TRCN 000011 2299	NM_011348 .1-2421s1c1	203 49	Sema3e	0.308 04042 3	4.880 48461 6	1.214 38276 3	0.595 35476	6.528 39705 4	0.521 22680 8	1.014 73721 6	2.7067 28804	0.9400 16809	- 0.0211 06165
TRCN 000010 4326	NM_026517 .1-192s1c1	680 28	Rpl221l	0.037 14620 4	4.838 93137 2	0.705 46922	38893 7	6.472 81321 4	0.302 79536 3	0.493 24158 4	2.6943 92873	1.7235 84983	- 1.0196 33661
TRCN 000002 4793	NM_029094 .1-2938s1c1	747 69	Pik3cb	0.173 59389 9	4.821 92224 7	0.308 83684 5	0.510 17352 7	6.450 06089 9	0.132 55626 5	0.869 55223 9	2.6893 12782	2.9153 2324	- 0.2016 55393
TRCN 000004 1747	NM_010699 .1-822s1c1	168 28	Ldha	0.129 79108 1	4.820 95217	0.121 69525 2	0.372 9556	6.448 76327 4	0.052 23297 8	0.635 67464 8	2.6890 22511	4.2588 95236	- 0.6536 39544
TRCN 000006 6338	NM_007910 .1-398s1c1	136 39	Efna4	0.712 11529	4.815 40470 8	0.021 71354 3	1.027 76990 5	6.441 34269 1	0.009 31969 8	1.751 75616 7	2.6873 61448	6.7455 01058	- 0.8088 01975
TRCN 000002 3932	XM_125706 .5-3052s1c1	110 279	Bcr	0.018 62666 7	4.808 00094 9	0.769 99826 9	1.328 27075 9	6.431 43902 8	0.330 49196 3	2.263 93717 3	2.6851 41575	1.5973 1292	- 1.1788 33922
TRCN 000003 7318	NM_019912 .1-459s1c1	565 50	Ube2d2	0.145 94125 2	4.803 74019 5	0.328 66069 6	0.048 61913 5	6.425 73961 5	0.141 06488 5	0.082 86764 2	2.6838 62521	2.8255 69187	- 3.5930 47311
TRCN 000012 6904	NM_023041 .2-1101s1c1	192 98	Pex19	0.010 03437 2	4.781 05047 8	0.045 03082 6	34.30 29010 8	6.395 38863 7	0.019 32773 9	58.46 67036 8	2.6770 32032	5.6931 83285	- 5.8695 4335
TRCN 000004 1409	NM_138665 .1-1813s1c1	192 166	Sardh	0.058 00516 3	4.771 90517 5	0.319 13064 2	0.106 31035 3	6.383 15539 1	0.136 97447 9	0.181 19796 7	2.6742 69769	2.8680 20981	- 2.4643 61329
TRCN 000010 9338	NM_009980 .2-1016s1c1	130 17	Ctbp2	0.485 87880 6	4.760 63248	1.510 40184 1	0.057 46220 8	6.368 07643 1	0.648 28154 2	0.097 93999 3	2.6708 57652	0.6253 07598	- 3.3519 58091
TRCN 000011 2298	NM_011348 .1-837s1c1	203 49	Sema3e	0.123 02977 1	4.751 84602 2	7.700 09152 1	0.071 16683 4	6.356 32319 6	3.304 96631 3	0.121 29849 2	2.6681 92482	1.7246 35566	- 3.0433 66479
TRCN 000009 8786	NM_144799 .1-514s1c1	309 37	Lmcd1	0.055 51482 4	4.728 66349 6	1.000 06319 2	0.928 28702 7	6.325 31301 1	0.429 23842 5	1.582 19511 6	2.6611 36874	1.2201 48863	- 0.6619 27523
TRCN 000002 7123	NM_009504 .2-813s1c1	223 37	Vdr	0.077 25390 8	4.692 47909 4	0.940 88288 3	0.424 26151 5	6.276 91082 8	0.403 83756 8	0.723 12170 4	2.6500 54712	1.3081 52967	- 0.4676 89616
TRCN 000006 8400	NM_008433 .2-427s1c1	165 34	Kcnn4	0.075 58290 9	4.684 83739 4	1.539 11629 6	0.040 71562 6	6.266 68887 4	0.660 60610 8	0.069 39670 9	2.6477 03369	0.5981 37786	- 3.8489 88932
TRCN 000011 1626	NM_177333 .2-1531s1c1	211 446	Exoc3	0.092 46628 7	4.683 44532 1	0.013 20179 9	1	6.264 82676 3	0.005 66636 1	1.704 42446 1	2.6472 74616	7.4633 61679	- 0.7692 84661
TRCN 000006 7259	NM_009140 .1-252s1c1	203 10	Cxcl2	0.075 03106 3	4.676 35911 9	0.951 81635 5	0.315 98859 7	6.255 34788 1	0.408 53033 8	0.538 57869 4	2.6450 9012	1.2914 84877	- 0.8927 70936
TRCN 000018 4249	NM_026162 .2-982s1c1	674 48	Plxdc2	0.074 34556 5	4.671 19345 3	5.375 71826 6	0.017 36616 9	6.248 43800 9	2.307 31904 7	0.029 59930 7	2.6434 95589	1.2062 17503	- 5.0782 92773
TRCN 000009 4889	NM_175164 .3-3676s1c1	713 02	Arhgap 26	0.299 25366 3	4.633 75335 8	1.024 63285 8	0.315 96994 4	6.198 35612 7	0.439 78400 4	0.538 54690 2	2.6318 85647	1.1851 32965	- 0.8928 56101
TRCN 000008 8928	NM_019952 .1-173s1c1	567 08	Clef1	0.037 93847 8	4.632 07370 1	0.061 69672 6	1	6.196 10933 8	0.026 48093 2	1.704 42446 1	2.6313 62602	5.2389 02276	- 0.7692 84661
TRCN 000009 8845	NM_153122 .1-2170s1c1	754 75	Oplah	0.191 04442 7	4.626 64369 5	0.015 34239 4	21.31 43294 4	6.188 84587 2	0.006 58512 9	36.32 86644 7	2.6296 70393	7.2465 72557	- 5.1830 36425
TRCN 000011 3124	NM_021710 .1-578s1c1	117 82	Ap4s1	0.032 76258 8	4.617 51752 5	0.781 79134	0.028 42030 2	6.176 63821 9	0.335 55367 9	0.048 44025 8	2.6268 21831	1.5753 84519	- 4.3676 49638

TRCN 000010 0701	NM_146182 .1-395s1c1	232 943	Klc3	0.028 84914 6	4.615 91937 2	0.743 95663 8	0.129 44753 8	6.174 50044 4	0.319 31459 8	0.220 63355 1	2.6263 22418	- 1.6469 49587	- 2.1802 75904
TRCN 000010 0636	NM_008850 .1-466s1c1	187 38	Pitpna	0.367 14096 3	4.610 41127 9	0.399 42370 2	0.169 81134 9	6.167 13252 5	0.171 43716 8	0.289 43061 8	2.6245 99848	- 2.5442 48175	- 1.7887 10548
TRCN 000003 1354	NM_028906 .2-504s1c1	743 88	Dpp8	0.348 44230 7	4.597 31245 7	0.436 0919	0.224 23332 2	6.149 61084 1	0.187 17557 2	0.382 18875 9	2.6204 95117	- 2.4175 35928	- 1.3876 42748
TRCN 000012 7108	NM_010865 .2-1445s1c1	179 26	Myoc	0.182 60578 3	4.588 48069 4	0.024 12682 2	1.603 76104 5	6.137 79700 3	0.010 35550 5	2.733 48955 4	2.6177 20932	- 6.5934 58337	- 1.4507 43862
TRCN 000008 1927	NM_016791 .2-1185s1c1	180 18	Nfatc1	0.132 70370 6	4.585 84648 6	0.336 20456 5	0.233 12071 7	6.134 27334 5	0.144 3028	0.397 33665 2	2.6168 92455	- 2.7928 28806	- 1.3315 66217
TRCN 000011 4322	NM_008750 .2-1291s1c1	182 30	Nxn	0.036 28834 7	4.568 79522 5	0.451 28958	8.468 39178	6.111 46466 7	0.193 69858 9	14.43 37340 9	2.6115 18176	- 2.3681 14654	- 3.8513 72677
TRCN 000012 5600	NM_175402 .3-341s1c1	109 095	Rbm15 b	0.090 77824 2	4.567 07238 9	0.250 77794 1	0.247 29969 5	6.109 16010 9	0.107 63672 7	0.421 50365	2.6109 74051	- 3.2157 57671	- 1.2463 82971
TRCN 000009 8300	NM_011824 .3-771s1c1	238 92	Grem1	0.021 45181 9	4.559 39296 9	0.219 32744 3	6.098 88770 1	0.094 13781 7	1.704 42446 1	1.704 42446 1	2.6085 46153	- 3.4090 81786	- 0.7692 84661
TRCN 000001 1897	NM_010634 .1-92s1c1	165 92	Fabp5	0.021 29591 9	4.552 10173 9	0.161 88305 3	6.089 13456 1	0.069 48203 8	1.704 42446 6	1.704 42446 1	2.6062 37196	- 3.8472 16159	- 0.7692 84661
TRCN 000000 9749	NM_028133 .1-1683s1c1	112 407	Egln3	0.052 96619 7	4.547 84791 8	0.128 28399 4	6.083 44443 1	0.055 06094	1.704 42446 1	1.704 42446 1	2.6048 88405	- 4.1828 26946	- 0.7692 84661
TRCN 000010 0610	NM_145823 .1-1732s1c1	717 95	Pitpnc1	0.094 66691 7	4.547 84791 8	0.128 28399 4	6.083 44443 1	0.055 06094	1.704 42446 1	1.704 42446 1	2.6048 88405	- 4.1828 26946	- 0.7692 84661
TRCN 000006 6593	NM_007573 .1-511s1c1	122 61	Clqbp	0.192 38412 9	4.534 04587 6	1.074 32195	0.462 07337 4	6.064 98208 1	0.461 11112 4	0.787 56916 2	2.6005 03383	- 1.1168 13626	- 0.3445 21473
TRCN 000007 1095	NM_197982 .2-929s1c1	682 78	Ddx39	0.449 58470 3	4.505 76246 1	0.289 28730 7	1.800 98504 2	6.027 14867 3	0.124 16538 2	3.069 64295 9	2.5914 75653	- 3.0096 65099	- 1.6180 7086
TRCN 000020 1327	NM_026023 .3-641s1c1	526 53	Nudcd2	0.565 46101 7	4.490 91785 8	1.333 84677 9	0.124 84421 7	6.007 29173 9	0.572 50211 3	0.212 78753 7	2.5867 14729	- 0.8046 47076	- 2.2325 14442
TRCN 000007 0387	NM_177263 .3-2314s1c1	320 799	Zhx3	0.124 24445 3	4.472 07830 8	0.099 40088 1	5.982 09095 1	6.064 98208 1	0.461 11112 4	0.787 56916 2	2.5806 49845	- 4.5508 37579	- 0.7692 84661
TRCN 000008 4299	NM_011532 .1-530s1c1	213 80	Tbx1	0.239 55769 1	4.444 05491 8	0.067 50743 6	0.471 50768 4	5.944 60536 6	0.028 97495 5	0.803 64923 1	2.5715 81039	- 5.1090 49783	- 0.3153 6215
TRCN 000002 8859	NM_010607 .1-593s1c1	165 26	Kcnk2	0.362 66742 1	4.433 21920 9	0.003 94140 1	98.80 92892 7	5.930 11094 3	0.001 69169 4	168.4 12969 6	2.5680 59096	- 9.2073 15842	- 7.3958 59435
TRCN 000003 4432	NM_008142 .2-821s1c1	146 88	Gnb1	0.077 25390 8	4.417 91120 2	0.299 70450 8	0.640 84977 5	5.909 63413 5	0.128 63656 2	1.092 28003 3	2.5630 68816	- 2.9586 27336	- 0.1273 42774
TRCN 000008 0726	NM_019926 .1-508s1c1	177 72	Mtm1	0.078 89248 5	4.407 23657 9	0.061 69672 6	1.603 76104 5	5.895 35517 6	0.026 48093 2	2.733 48955 4	2.5595 78733	- 5.2389 02276	- 1.4507 43862
TRCN 000011 1165	NM_015784 .1-2765s1c1	507 06	Postn	0.203 43082 9	4.394 72211 6	0.337 02446 6	0.030 35417 1	5.878 61516 5	0.144 65471	73639 1	2.5554 76337	- 2.7893 14794	- 4.2726 76771
TRCN 000018 2908	NM_028760 .1-1491s1c1	741 07	Cep55	0.078 61008 6	4.389 61255 6	0.440 63774 3	2.248 68059 3	5.871 78035 3	0.189 1267	3.832 70620 6	2.5537 98002	- 2.4025 75048	- 1.9383 63414
TRCN 000017 6094	NM_026796 .1-1098s1c1	226 830	Smyd2	0.132 64659 7	4.388 60650 9	0.496 37213 1	1.500 41918 1	5.870 43461 1	0.213 04852 9	2.557 35115 3	2.5534 67316	- 2.2307 46004	- 1.3546 50272
TRCN 000007 1107	NM_007840 .1-313s1c1	132 07	Ddx5	0.407 88168 3	4.343 95735 3	0.015 92869	0.274 35011 7	5.810 70951 3	0.006 83677	0.467 60905 1	2.5387 14334	- 7.1924 68621	- 1.0966 2524

TRCN 000010 3115	NM_020564 .1-1001s1c1	574 29	Sult5a1	0.155 23389 1	4.327 81956 6	0.409 57972 9	1.043 77478	5.789 12274 6	0.175 79624 9	1.779 03526 6	2.5333 44746	2.5080 23809	0.8310 9511
TRCN 000007 9420	NM_022004 .5-216s1c1	590 95	Fxyd6	0.098 03937 4	4.325 33666 6	3.126 63704 4	0.045 48527 2	5.785 80148 7	1.341 98795 9	0.077 52621	2.5325 16825	0.4243 71727	3.6891 7206
TRCN 000011 3558	NM_021339 .1-197s1c1	578 10	Cdon	0.063 48996 7	4.323 31944 5	0.719 61762 9	0.019 87373 3	5.783 10314 4	0.308 86802	0.033 87327 7	2.5318 43833	1.6949 37592	4.8837 08643
TRCN 000003 4358	NM_009025 .1-2034s1c1	194 14	Rasa3	0.296 48924 1	4.319 25094 2	0.133 51537 3	0.756 18565 7	5.777 66089 8	0.057 30630 7	1.288 86133	2.5304 85532	4.1251 62263	0.3660 97051
TRCN 000000 9507	NM_009883 .1-1264s1c1	126 08	Cebpb	0.093 13309 8	4.279 94709 6	0.536 36802 9	0.014 47345 3	5.725 08597 3	0.024 21522	0.024 66890 7	2.5172 97358	2.1189 44877	5.3411 62414
TRCN 000019 1020	NM_016706 .1-1876s1c1	128 12	Coil	0.240 46059 3	4.273 09988 3	0.019 91648 7	76.19 58483	5.715 92677 5	0.008 54838 1	129.8 70067 7	2.5149 87435	6.8701 33013	7.0209 25148
TRCN 000006 7966	NM_053153 .1-896s1c1	939 70	Klra18	0.078 56232 4	4.252 12696	0.008 47382	51822 5	5.687 87227 2	0.003 63705 9	64.40 19888 8	2.5078 89068	8.1030 11811	6.0090 33338
TRCN 000001 2149	NM_007417 .1-501s1c1	115 51	Adra2a	0.161 80717 1	4.251 66798 6	0.492 71146 4	0.630 66622 5	5.687 25832 3	0.211 47732 9	1.074 92294 1	2.5077 33335	2.2414 25084	0.1042 3324
TRCN 000002 2726	NM_148945 .1-783s1c1	110 651	Rps6ka 3	0.107 56522 2	4.239 02280 6	0.545 41108 1	0.057 48134 4	5.670 34345 6	0.234 09660 1	0.097 97260 8	2.5034 36123	2.0948 24109	3.3514 77743
TRCN 000002 2490	NM_023057 .1-787s1c1	659 64	B23012 0H23Ri k	0.008 59676 4	4.231 96300 3	6.288 83370 9	0.014 41499	5.660 89988 5	2.699 23850 8	0.024 56926 2	2.5010 31409	1.4325 52461	5.3470 01668
TRCN 000018 7399	XM_484705 .1-3437s1c1	135 10	Dsg1a	0.256 85996 8	4.227 59496 8	0.258 04557 3	1.016 86071 8	5.655 05696 9	0.110 75607 6	1.733 16228 1	2.4995 41558	3.1745 42244	0.7934 06744
TRCN 000011 4592	NM_019425 .1-364s1c1	543 42	Gnpnat 1	0.248 11072 7	4.220 13208 7	0.543 80461 9	0.007 69712 7	5.645 07422	0.233 40708 9	0.013 11917 1	2.4969 92549	2.0990 79716	6.2521 79581
TRCN 000008 1248	NM_080555 .1-984s1c1	679 16	Ppap2b	0.223 96890 4	4.200 66560 9	0.078 86353 4	12.98 92293 3	5.619 03481 8	0.033 84912	22.13 91601 9	2.4903 2234	4.8847 3786	4.4685 28592
TRCN 000010 2045	NM_016714 .2-3580s1c1	181 41	Nup50	0.069 51484 6	4.184 39618	1.862 57547 8	0.883 51068 2	5.597 27196 1	0.799 43844 7	1.505 87721 8	2.4847 23847	0.3229 41137	0.5906 04145
TRCN 000012 1047	NM_181516 .2-1590s1c1	668 26	Taz	0.183 27713 7	4.173 14730 9	0.685 44470 9	0.014 12962 3	5.582 22486 9	0.294 20061 7	0.024 08287 4	2.4808 40242	1.7651 27825	5.3758 48603
TRCN 000006 5681	NM_013589 .1-1442s1c1	169 97	Ltbp2	0.110 67420 2	4.152 11459 7	0.497 71252	2.038 34898 8	5.554 09039	0.213 62383 9	3.474 21187 4	2.4735 50656	2.2268 55442	1.7966 85739
TRCN 000012 0663	NM_026917 .4-311s1c1	690 35	Zdhhc3	0.196 27411	4.149 52707 3	0.634 60324 3	0.041 30328 6	5.550 62918	0.272 37888 5	0.070 39833 1	2.4726 51314	1.8763 13228	3.8283 1496
TRCN 000008 6000	NM_021877 .2-3085s1c1	154 60	Hr	0.039 39624 6	4.136 55739 8	0.035 08230 3	0.994 51574 1	5.522 91207 6	0.551 03501 8	1.695 07695 6	2.4681 34995	6.0533 52767	0.7692 84661
TRCN 000010 4785	NM_019686 .3-1239s1c1	565 06	Cib2	0.123 70826 8	4.128 80638 2	1.283 83156 5	0.994 51574 1	5.522 91207 6	0.551 03501 8	1.695 07695 6	2.4654 2916	0.8597 8409	0.7613 50773
TRCN 000002 3575	NM_010568 .1-3638s1c1	163 37	Insr	0.444 89703 2	4.112 81035 7	0.009 41939 9	95.18 6723	5.501 51493 8	0.004 04291 3	162.2 38579	2.4598 28945	7.9503 89263	7.3419 73111
TRCN 000005 5383	NM_008548 .2-1428s1c1	171 55	Man1a	0.112 21430 3	4.103 87836	0.025 95015 4	2.811 28313 5	5.489 56702 1	0.011 13809 9	4.791 61974 1	2.4566 92364	6.4883 53116	2.2605 13422
TRCN 000011 2345	NM_008409 .2-1204s1c1	164 31	Itm2a	0.170 20393 3	4.103 87836 8	0.178 65370 8	4.091 69396 3	5.489 56702 1	0.076 68019 1	6.973 98327 7	2.4566 92364	3.7050 02264	2.8019 82905
TRCN 000002 3488	NM_007982 .1-1666s1c1	140 83	Ptk2	0.173 27941 7	4.099 68785 6	0.876 25591	2.556 46350 9	5.483 96157 9	0.376 09894 1	4.357 29893 8	2.4552 18464	1.4108 15852	2.1234 34094

TRCN 000017 6205	NM_145975 .2-1459s1c1	212 880	Ddx46	0.195 98438 7	4.095 60418 2	0.035 42967 6	9.266 56983 3	5.478 49903 9	0.015 20681 8	15.79 41682 9	2.4537 80688	- 6.0391 37926	3.9813 20063
TRCN 000007 7382	NM_022886 .1-2070s1c1	649 29	Scel	0.149 67918 2	4.070 61855 9	0.118 15731 9	1.468 58772 7	5.445 07693 4	0.050 71445 7	2.503 09684 4	2.4449 52433	- 4.3014 59122	1.3237 1411
TRCN 000006 7909	NM_010094 .2-486s1c1	135 90	Lefty1	0.187 45520 7	4.070 14251 2	0.413 71158 6	0.655 40821 8	5.444 44014 8	0.177 56968 9	1.117 09378 4	2.4447 83704	- 2.4935 42762	0.1597 50311
TRCN 000012 6481	NM_027251 .2-450s1c1	698 94	201010 7G23Ri k	0.411 62003 4	4.061 78798 9	19.38 36217 9	0.005 49153 6	5.433 26469 2	8.319 66956 7	0.009 35990 7	2.4418 19332	- 3.0565 26229	- 6.7392 90019
TRCN 000011 1977	NM_133218 .1-1012s1c1	170 753	Zfp704	0.277 23572 9	4.048 45879 7	0.110 10071 8	4.477 63708 9	5.415 43485 2	0.047 25647 3	7.631 79418 1	2.4370 77189	- 4.4033 44247	- 2.9320 22264
TRCN 000005 4753	NM_007451 .2-1078s1c1	117 40	Slc25a5	0.090 14826 9	4.033 52963 5	0.270 90093	0.036 20520 9	5.395 46480 7	0.116 27374 1	0.061 70904 4	2.4317 4725	- 3.1044 02775	- 4.0183 74249
TRCN 000009 4311	NM_181682 .1-658s1c1	225 256	Dsg1b	0.134 48352 8	4.029 90630 6	0.243 76367 3	1.104 65953 3	5.390 61804 8	0.104 62612 4	1.882 80873	2.4304 50691	- 3.2566 84979	- 0.9128 86447
TRCN 000004 2638	NM_011808 .1-242s1c1	238 71	Ets1	0.032 08406 9	4.025 59159 7	0.079 05811 8	12.47 14598 5	5.384 84646 4	0.033 93263 8	21.25 66612 3	2.4289 0521	- 4.8811 8261	- 4.4098 43107
TRCN 000011 0368	NM_052993 .2-978s1c1	941 92	Clgalt1	0.337 70797 1	3.980 21677 6	0.007 36634 3	2.195 94772 5	5.324 15067 8	0.003 16171 8	3.742 82701 6	2.4125 51401	- 8.3050 75743	- 1.9041 28372
TRCN 000019 8120	NM_026931 .1-331s1c1	690 68	181001 1O10Ri k	0.342 15449 3	3.978 87452 8	1.931 02824 9	0.202 35293 6	5.322 35521 5	0.828 81915 4	0.344 89529 4	2.4120 64799	- 0.2708 70757	- 1.5357 69649
TRCN 000007 0892	NM_008270 .1-472s1c1	154 17	Hoxb9	0.053 90832 2	3.975 97484 5	0.228 09500 8	0.173 50150 1	5.318 47644 4	0.097 90095 6	0.295 72020 3	2.4110 13024	- 3.3525 33247	- 1.7576 95287
TRCN 000007 0889	NM_008270 .1-69s1c1	154 17	Hoxb9	0.155 13901 2	3.974 03003 5	0.084 78629 1	0.543 28865 4	5.315 87496 3	0.036 39123 4	0.925 99447 1	2.4103 07171	- 4.7802 65206	- 0.1109 24515
TRCN 000007 5749	NM_180678 .2-1553s1c1	353 172	Gars	0.053 74728 5	3.947 90683 8	0.171 34348 9	0.781 11937 5	5.280 93117 8	0.073 54256 2	1.331 35896 9	2.4007 9234	- 3.7652 76752	- 0.4128 99612
TRCN 000011 9316	NM_001029 836.1- 1330s1c1	114 249	Npnt	0.176 09236 8	3.945 34940 7	1.866 61782 5	0.253 13965 7	5.277 51022 2	0.801 17346 8	0.431 45742 3	2.3998 57468	- 0.3198 1345	- 1.2127 09896
TRCN 000009 5263	NM_175170 .2-1300s1c1	715 92	Pogk	0.325 27193 9	3.937 04859 9	0.486 32461 4	0.129 44753 8	5.266 40661 8	0.208 73602 1	0.220 63355 1	2.3968 18916	- 2.2602 48509	- 2.1802 75904
TRCN 000006 5614	NM_013584 .1-3150s1c1	168 80	Lifr	0.114 38905 9	3.912 48526 8	0.382 26807 2	0.035 13582 8	5.233 54939 2	0.164 07377 7	0.059 88636 5	2.3877 89714	- 2.6075 83414	- 4.0616 28626
TRCN 000007 7027	NM_010556 .2-317s1c1	161 87	Ii3	0.065 55215 2	3.912 23061 1	0.255 60865 4	0.253 20875 1	5.233 20875 1	0.109 71012 3	1.704 42446 1	2.3876 95809	- 3.1882 31441	- 0.7692 84661
TRCN 000019 1531	NM_177429 .2-2219s1c1	237 222	Ofd1	0.055 23020 3	3.912 23061 1	0.398 85892 7	0.640 84977 5	5.233 20875 1	0.171 19476 3	1.092 28003 3	2.3876 95809	- 2.5462 89554	- 0.1273 42774
TRCN 000008 0344	NM_031380 .1-621s1c1	835 54	Fstl3	0.063 11481 2	3.905 63674 9	0.058 10498	50.77 17210 7	5.224 38844 7	0.024 93931 4	86.53 65633	2.3852 62169	- 5.3254 34392	- 6.4352 37922
TRCN 000003 9489	NM_025525 .1-1241s1c1	663 81	Rnf113 a2	0.094 48798 7	3.896 71405 3	0.529 63838 3	1.645 86025 8	5.212 45297 3	0.227 32678 2	2.805 24448	2.3819 62462	- 2.1371 60445	- 1.4881 2651
TRCN 000011 1210	NM_011521 .1-964s1c1	209 71	Sdc4	0.055 73740 4	3.893 21117	0.030 87622 9	5.207 76732 1	0.013 76732 9	1.704 25242 7	4.2446 42446 1	2.3806 64994	- 6.2375 99636	- 0.7692 84661
TRCN 000011 4307	NM_009128 .1-606s1c1	202 50	Scd2	0.219 82264 8	3.889 63438 8	0.013 08989 1	23.60 41771 7	5.202 98283 5	0.005 61832 9	40.23 15369 5	2.3793 38948	- 7.4756 431	- 5.3302 54948
TRCN 000007 9396	NM_011404 .2-1244s1c1	205 39	Slc7a5	0.099 91409 8	3.865 19850 4	2.252 45224	0.414 91079 4	5.170 29609	0.966 77796	18410 6	2.3702 46903	- 0.0487 43511	- 0.4998 42244

TRCN 000011 9587	NM_019428 .2-909s1c1	543 64	Rpp30	0.556 62192 5	3.861 47578 1	0.011 68735 8	0.541 53703 5	5.165 31637 7	0.005 01634 6	0.923 00897	2.3688 56717	- 7.6391 47418	- 0.1155 83427
TRCN 000007 5946	NM_172308 .2-1263s1c1	270 685	Mthfd11	0.240 54822 5	3.856 76781 4	0.012 45680 8		5.159 01874 8	0.005 34660 3	1.704 42446 1	2.3670 96689	- 7.5471 61814	0.7692 84661
TRCN 000012 5473	NM_025944 .2-854s1c1	670 63	281043 2L12Ri k	0.250 58769 4	3.855 29362 6	0.482 03703 4	1.495 24102	5.157 04679 6	0.206 89574 3	2.548 52536 8	2.3665 45137	- 2.2730 24131	1.3496 62714
TRCN 000002 5682	NM_153533 .1-2322s1c1	209 039	Tenc1	0.584 31622 5	3.843 50569	0.086 19197 2	1.925 21074 7	5.141 27862 3	0.036 99456 9	3.281 37628 9	2.3621 27199	- 4.7565 42718	1.7143 01043
TRCN 000010 5186	NM_024406 .1-409s1c1	117 70	Fabp4	0.198 53289 1	3.832 34555 3	0.092 86179 3	0.129 44753 8	5.126 35022 7	0.039 85733 1	0.220 63355 1	2.3579 32046	- 4.6490 11074	2.1802 75904
TRCN 000009 5697	NM_007970 .1-1805s1c1	140 55	Ezh1	0.002 89021 1	3.812 17589 2	0.266 57044 1	0.640 84977 5	5.099 37021	0.114 41504 6	1.092 28003 3	2.3503 1908	- 3.1276 51308	0.1273 42774
TRCN 000011 1505	NM_033075 .2-2878s1c1	110 956	D17H6 S56E-5	0.102 61214 5	3.809 18413 1	4.930 60793 8	0.054 75733 8	5.095 36827 2	2.116 27265 6	0.093 32974 6	2.3491 86422	- 1.0815 25513	3.4215 19219
TRCN 000010 8534	NM_010733 .2-1183s1c1	169 81	Lrrn3	0.070 14285	3.803 24223 7	0.037 19339 5	19.11 28313 5	5.087 42007 6	0.015 96382 5	32.57 63772 6	2.3469 34225	- 5.9690 49779	5.0257 54269
TRCN 000010 3223	NM_010360 .1-593s1c1	148 66	Gstm5	0.081 33488 3	3.802 15379	0.810 29815 9	0.025 75401 5	5.085 96411 1	0.347 78912 8	0.043 89577 3	2.3465 21282	- 1.5237 15259	4.5097 74161
TRCN 000009 1290	NM_011699 .2-494s1c1	223 43	Lin7c	0.624 43187 7	3.799 12461 4	0.912 53591 4	0.163 25142	5.081 91212 4	0.391 67072 8	0.278 24971 4	2.3453 71429	- 1.3522 86783	1.8455 4789
TRCN 000010 3224	NM_010360 .1-592s1c1	148 66	Gstm5	0.036 88079 8	3.790 46028 1	0.764 52053 2	0.025 56948 9	5.070 32224 8	0.328 14085 4	0.043 58126 3	2.3420 77442	- 1.6076 12874	4.5201 48179
TRCN 000008 1925	NM_016791 .2-1985s1c1	180 18	Nfatc1	0.451 27777 7	3.768 37565 9	0.360 53194	0.422 33722 1	5.040 78067 7	0.154 74438 4	0.719 84189 1	2.3336 47185	- 2.6920 41046	0.4742 48034
TRCN 000008 0549	NM_012023 .1-1085s1c1	269 31	Ppp2r5c	0.277 39434 9	3.768 02570 8	0.171 04166 5	0.361 67668	5.040 31256 4	0.073 41301 6	0.616 45058 1	2.3335 13202	- 3.7678 20317	0.6979 42852
TRCN 000005 5039	NM_026268 .1-605s1c1	676 03	Dusp6	0.054 38256 2	3.764 75416 6	0.521 51187 6	191.3 22909 6	5.035 93637 5	0.223 83879 2	0.223 326.0 95447	2.3322 60056	- 2.1594 68015	8.3491 50488
TRCN 000012 0986	NM_027530 .2-1220s1c1	528 22	Rufy3	0.135 76268 9	3.763 86510 6	0.343 96586	5.552 00504 5	5.034 74712 1	0.147 63403 5	9.462 97320 5	2.3319 19318	- 2.7599 02741	3.2422 9354
TRCN 000009 5490	NM_172870 .3-946s1c1	242 509	Bnc2	0.238 10773 7	3.760 14788 4	0.539 03687 1	0.047 86656 3	5.029 77476 7	0.231 36071 7	0.081 58494	2.3304 93798	- 2.1117 84164	3.6155 53322
TRCN 000009 1373	XM_127565 .6-5422s1c1	286 940	Flnb	0.467 79347 4	3.749 10753 3	0.658 44567 1	0.710 74159 8	5.015 00660 3	0.282 61232 4	1.211 40536 5	2.3262 516	- 1.8231 03714	0.2766 81706
TRCN 000010 4556	NM_028799 .1-1700s1c1	741 76	Tgm5	0.289 85069 1	3.725 38980 4	0.136 60409 3	3.583 36917	4.983 28050 2	0.058 63202 1	6.107 58206 5	2.3170 95784	- 4.0921 67408	2.6106 01344
TRCN 000012 6201	NM_025661 .1-504s1c1	666 12	Ormdl3	0.158 02444 1	3.711 66355 1	0.744 30216	0.762 21249 1	4.964 91953 1	0.319 0.319 4629	1.299 13361 4	2.3117 70336	- 1.6462 79699	0.3775 49818
TRCN 000010 2322	NM_011317 .2-1323s1c1	202 18	Khdrbs 1	0.107 69429	3.698 38963 8	1.072 25610 9	0.120 42345 2	4.947 16363 6	0.460 22444 1	0.205 25267 6	2.3066 0162	- 1.1195 90492	2.2845 27061
TRCN 000010 0834	NM_024436 .1-655s1c1	193 34	Rab22a	0.493 45935 9	3.676 65617 8	0.281 31141 2	0.207 24108 7	4.918 09179 8	0.120 74203 7	0.353 22677 7	2.2980 98664	- 3.0500 00044	1.5013 33381
TRCN 000007 1093	NM_197982 .2-1202s1c1	682 78	Ddx39	0.656 94871 8	3.656 83267	1.290 79667 5	0.162 67778 5	4.891 57481 5	0.554 02452 2	0.277 27199 6	2.2902 99008	- 0.8519 7826	1.8506 26179
TRCN 000006 7932	NM_145741 .2-534s1c1	145 60	Gdf10	0.356 60970 8	3.653 46627 9	0.129 20813 5	0.981 39486 1	4.887 07175 1	0.055 45759 2	1.672 71340 6	2.2889 70286	- 4.1724 71218	0.7421 90283

TRCN 000005 5167	NM_008707 .2-278slcl	181 07	Nmt1	0.334 83780 7	3.650 37212 7	0.183 45197 3	2.665 40866	4.882 93284 7	0.078 73966	4.542 98771 8	2.2877 47937	3.6667 65702	2.1836 41405
TRCN 000011 4338	NM_019699 .1-624slcl	564 73	Fads2	0.050 39089 4	3.648 71278 8	0.060 83737 5	0.188 74887 5	4.880 71322 7	0.026 11208 9	0.321 70819 9	2.2870 91987	5.2591 38315	1.6361 75392
TRCN 000002 9890	NM_008977 .1-1164slcl	192 55	Ptpn2	0.169 81403 2	3.638 56761 5	0.052 66478 9	0.113 04552 8	4.867 14249 4	0.022 60432 3	0.192 67756 3	2.2830 75013	5.4672 5749	2.3757 39514
TRCN 000009 0172	NM_172840 .2-1848slcl	240 675	Vwa2	0.206 01112 2	3.623 6248	0.012 92571 5	1.603 76104 5	4.847 15419 3	0.005 54786 3	2.733 48955 4	2.2771 37977	7.4938 5211	1.4507 43862
TRCN 000010 8513	NM_011983 .1-160slcl	265 57	Homer2	0.232 06759 6	3.621 95155 7	0.032 67304 2	9.741 69892 3	4.844 91597 3	0.014 02363 9	16.60 39899 3	2.2764 71645	6.1559 95436	4.0534 58057
TRCN 000007 5748	NM_180678 .2-2225slcl	353 172	Gars	0.098 20211 8	3.621 02523	0.178 20993	2.824 92521 5	4.843 67686 9	0.076 48971 6	4.814 87163 6	2.2761 02623	3.7085 90392	2.2674 97336
TRCN 000008 1340	NM_016985 .2-1425slcl	533 32	Mtmr1	0.177 14859 5	3.620 28074	0.038 11072 6	45.67 83173 2	4.842 681	0.016 35755 5	77.85 52413 7	2.2758 05972	5.9338 99112	6.2827 22263
TRCN 000001 2265	NM_009807 .1-901slcl	123 62	Casp1	0.063 23353 6	3.617 31451 6	0.111 33883 8	0.543 28865 4	4.838 71322	0.047 78788 8	0.925 99447 1	2.2746 23436	4.3872 11191	0.1109 24515
TRCN 000004 2685	NM_010235 .1-491slcl	142 83	Fos11	0.191 96083 9	3.617 31451 6	0.518 13652 2	0.116 74360 9	4.838 71322	0.222 39005 2	0.198 98066 2	2.2746 23436	2.1688 35842	2.3292 99863
TRCN 000019 0139	NM_009477 .1-644slcl	222 71	Upp1	0.035 26827 1	3.615 82780 4	0.332 97714 8	2.426 11781 4	4.836 72451 4	0.142 91755 6	4.135 13454 7	2.2740 30368	2.8067 44951	2.0479 34272
TRCN 000004 1412	NM_138665 .1-699slcl	192 166	Sardh	0.227 74304 7	3.615 66845	0.092 75747 5	0.756 89199	4.836 51135 4	0.039 81255 7	1.290 06522 3	2.2739 66786	4.6506 32673	0.3674 44007
TRCN 000008 1071	XM_358362 .2-543slcl	192 83	Ptprz1	0.119 07188 2	3.602 52316 1	0.003 20220 2		4.818 92751 3	0.001 37442 1	1.704 42446 1	2.2687 121	9.5069 59926	0.7692 84661
TRCN 000003 2386	NM_011872 .2-389slcl	239 93	Klk7	0.016 64854 7	3.601 44684 1	0.383 50883 5	3.318 28740 7	4.817 48777	0.164 60632 7	5.655 77022 4	2.2682 81004	2.6029 08308	2.4997 23509
TRCN 000019 3630	NM_177354 .2-1903slcl	238 328	Vash1	0.302 42554 3	3.596 22622 7	0.094 68124 5	2.834 43443 1	4.810 50439 7	0.040 63826 7	4.831 07937 7	2.2661 88173	4.6210 17546	2.2723 45557
TRCN 000006 5679	NM_013589 .1-4734slcl	169 97	Ltbp2	0.056 23459 1	3.594 20752 9	0.236 08225 5		4.807 80408	0.101 32917 2	1.704 42446 1	2.2653 78107	3.3028 78515	0.7692 84661
TRCN 000008 1314	NM_181320 .2-540slcl	706 86	Dusp16	0.015 68708 9	3.594 20752 9	1.426 84643 2	0.365 25079 5	4.807 80408	0.612 41861 6	0.622 54238 9	2.2653 78107	0.7074 09958	0.6837 56021
TRCN 000006 7496	NM_013660 .2-2144slcl	203 54	Sema4d	0.061 75052 5	3.587 69129 9	0.078 10583 3	13.65 83433 1	4.799 08762 2	0.033 52390 6	23.27 96144 3	2.2627 60154	4.8986 65926	4.5409 95258
TRCN 000002 5045	NM_025415 .1-276slcl	661 97	Cks2	0.205 74498 4	3.584 39185 1	0.146 57423	0.467 62580 6	4.794 67410 4	0.062 91131 6	0.797 03286 1	2.2614 32758	3.9905 36642	0.3272 88887
TRCN 000017 7451	NM_175451 .1-1642slcl	216 197	Ckap4	0.038 68188 7	3.571 54736 3	0.011 31645 2		4.777 49262 9	0.004 85714 9	1.704 42446 1	2.2562 53647	7.6856 74495	0.7692 84661
TRCN 000009 5493	NM_172870 .3-1386slcl	242 509	Bnc2	0.231 69646 8	3.567 01638 9	1.635 14372 8	0.111 55057	4.771 43175 7	0.701 82216 9	0.190 12952	2.2544 22239	0.5108 22574	2.3949 45548
TRCN 000012 6039	NM_013587 .2-1213slcl	169 76	Lrpap1	0.148 89703 2	3.565 74607 3	0.377 20741 3	0.781 97856 8	4.769 73251 5	0.161 90168 5	1.332 82339 9	2.2539 08363	2.6268 10092	0.4144 85634
TRCN 000006 6493	NM_010111 .2-3818slcl	136 42	Efnb2	0.564 53791 7	3.565 70512 5	0.509 79382 4	1.317 79783 5	4.769 67774	0.218 80927 1	2.246 08686 5	2.2538 91795	2.1922 54228	1.1674 13724
TRCN 000007 1550	NM_021459 .2-1103slcl	163 92	Isl1	0.554 11324 8	3.563 73371	0.156 60891 8	0.109 57454 1	4.767 04067	0.067 21831 8	0.186 76152 8	2.2530 93934	3.8950 01755	2.4207 30797

TRCN 000002 7461	XM_134499 .4-722s1c1	136 17	Ednra	0.460 09322 8	3.539 57127	0.137 99443 8	1.571 54545 6	4.734 71969 9	0.059 22877 2	2.678 58051 7	2.2432 79019	4.0775 58006	- 1.4214 68663
TRCN 000007 1949	NM_011594 .2-792s1c1	218 58	Timp2	0.972 13380 5	3.531 34006 5	0.877 15014 9	1.756 95031 1	4.723 7092	0.376 48275 8	2.994 58908 7	2.2399 20153	1.4093 443	- 1.5823 58052
TRCN 000002 5046	NM_025415 .1-171s1c1	661 97	Cks2	0.322 74868 3	3.511 90252 3	1.547 71253 4	0.198 90464 6	4.697 70850 4	0.664 29571 3	0.339 01794 5	2.2319 57196	0.5901 02491	- 1.5605 66455
TRCN 000009 5078	NM_011658 .2-778s1c1	221 60	Twist1	0.228 57024 1	3.506 76619 1	0.543 08090 4	0.064 97496 4	4.690 83787 2	0.233 09646 2	0.110 74491 8	2.2298 45638	2.1010 00987	- 3.1746 87602
TRCN 000009 1049	XM_144905 .5-3038s1c1	243 548	Prickle2	0.121 57771 9	3.504 41103 1	0.510 12457 1	0.881 64599 7	4.687 68748 5	0.218 95123 2	1.502 69900 2	2.2288 76392	2.1913 18529	- 0.5875 5606
TRCN 000007 9147	XM_483957 .2-851s1c1	691 81	Dyrk2	0.657 30647	3.503 26831	0.005 08474 6	1.252 72882 5	4.686 15892	0.002 18243	2.135 18165 1	2.2284 05881	8.8398 48576	- 1.0943 58813
TRCN 000008 0510	NM_011459 .2-963s1c1	207 25	Serp1b 8	0.022 60284	3.498 32768 9	0.904 10977 4	0.011 16724	4.679 55008	0.388 05413 4	0.019 03371 7	2.2263 69827	1.3656 70172	- 5.7152 98852
TRCN 000012 0643	NM_017407 .1-2041s1c1	541 41	Spag5	0.095 49965 1	3.486 97977 4	0.733 30093 9	0.247 02296 1	4.664 37050 4	0.314 74105 1	0.421 03197 7	2.2216 8239	1.6677 62734	- 1.2479 98286
TRCN 000002 3383	NM_008054 .1-364s1c1	143 60	Fyn	0.082 94961	3.469 24225	0.025 02613 6	25.77 64202 2	4.640 64384 3	0.010 7415	43.93 39611 3	2.2143 24979	6.5406 60665	- 5.4572 64675
TRCN 000019 0976	NM_007900 .1-1646s1c1	136 05	Ect2	0.128 61907	3.465 18788 8	0.210 51347 5	0.029 35542 1	4.635 22051 2	0.090 35476 3	0.050 03409 8	2.2126 37974	3.4682 55536	- 4.3209 44573
TRCN 000005 5220	NM_207655 .1-3822s1c1	136 49	Egfr	0.083 65922	3.462 29034 1	0.806 11874 3	0.708 09788 2	4.631 34459 8	0.345 99527 6	1.206 89935 1	2.2114 31106	1.5311 75755	- 0.2713 05368
TRCN 000010 5602	NM_013593 .2-281s1c1	171 89	Mb	0.676 27541 6	3.459 95282 2	0.412 49733 4	0.518 72167 3	4.628 21780 8	0.177 04851 8	0.884 12190 7	2.2104 56761	2.4977 83325	- 0.1776 82785
TRCN 000010 6340	NM_198617 .1-1807s1c1	241 732	Tspyl3	0.153 57538 2	3.459 30776 7	0.636 52862 8	0.553 85510 4	4.627 35494 7	0.273 20528 2	0.944 00418 7	2.2101 87767	1.8719 42721	- 0.0831 34836
TRCN 000002 8214	NM_198618 .1-2608s1c1	242 667	Dlgap3	0.166 96709 8	3.451 38687 2	0.139 89844 3	0.139 1	4.616 75953 5	0.060 04599 3	1.704 42446 1	2.2068 80591	4.0577 88219	- 0.7692 84661
TRCN 000012 7105	NM_010865 .2-488s1c1	179 26	Myoc	0.341 21895 7	3.434 56862 1	0.221 41513 6	1.135 29762 4	4.594 26254 4	0.095 03387 9	1.935 02904 1	2.1998 33303	3.3954 14276	- 0.9523 55219
TRCN 000010 0809	NM_009120 .1-158s1c1	202 24	Sar1a	0.176 74856 4	3.431 39968 5	0.044 25321 8	3.646 54852 1	4.590 02360 6	0.018 99398 1	6.215 26649 6	2.1985 01573	5.7183 13858	- 2.6358 16252
TRCN 000002 5676	NM_011495 .1-1594s1c1	208 73	Plk4	0.404 90308	3.409 85698 2	1.976 59159 3	0.024 02054	4.561 20693 6	0.848 37545 3	0.040 94119 6	2.1894 15625	0.2372 25217	- 4.6103 02948
TRCN 000010 1536	NM_011060 .1-1644s1c1	186 01	Padi3	0.200 03069 2	3.408 91244 3	0.122 87625	0.381 69223 6	4.559 94346 9	0.052 73987 5	0.650 56558 4	2.1890 15939	4.2449 62027	- 0.6202 33592
TRCN 000008 0511	NM_011459 .2-418s1c1	207 25	Serp1b 8	0.016 32264 2	3.395 04404 2	0.026 53686 5	14.45 77934 2	4.541 39235 5	0.011 38992 2	24.64 22167 6	2.1831 34684	6.4560 98275	- 4.6230 60138
TRCN 000005 4350	NM_176933 .3-830s1c1	319 520	Dusp4	0.152 35011	3.392 16245 6	0.371 48688 8	1.550 72788 5	4.537 53779 2	0.159 44637 1	2.643 09853 9	2.1819 09659	2.6488 56832	- 1.4022 30212
TRCN 000009 5694	NM_007970 .1-3797s1c1	140 55	Ezh1	0.087 78625	3.386 76711 5	0.689 08540 6	0.743 99670 6	4.530 32069 4	0.295 76324 5	1.268 08618 4	2.1796 1318	1.7574 85319	- 0.3426 528
TRCN 000002 3482	NM_007912 .1-2218s1c1	136 49	Egfr	0.376 31032 3	3.380 19189 4	0.055 69016 7	3.068 60163 6	4.521 52532 8	0.023 90284 9	5.230 19968 9	2.1768 09545	5.3866 7359	- 2.3868 6603
TRCN 000000 8514	XM_207062 .2-369s1c1	193 740	Hspa1a	0.270 61976 5	3.379 27908 5	0.459 54890 9	0.984 25191 4	4.520 30430 6	0.197 24358 6	1.677 58303 7	2.1764 19898	2.3419 49708	- 0.7463 84179

TRCN 000007 9421	NM_022004 .5-152slcl	590 95	Fxyd6	0.053 94000 2	3.374 84753 3	0.676 41261 9	0.986 74763 4	4.514 37642 5	0.290 32394 1	1.681 83680 3	2.1745 26721	- 1.7842 64548	0.7500 37721
TRCN 000008 5451	NM_008592 .1-2070slcl	173 00	Foxc1	0.109 51273 5	3.364 09006 8	2.409 95250 7	0.225 10904 2	4.499 98666 5	1.034 37885 5	0.383 68135 7	2.1699 20726	0.0487 64689	- 1.3820 19429
TRCN 000018 9441	NM_027122 .2-332slcl	695 72	Mfsd3	0.326 58427 1	3.356 56787 9	0.275 18835 9	0.669 29071 9	4.489 92458 3	0.118 11395 4	1.140 75547 3	2.1666 91212	3.0817 48678	0.1899 89575
TRCN 000009 5288	NM_008601 .1-562slcl	173 42	Mitf	0.242 41522	3.348 70187 3	0.406 86073 4	0.324 63221 2	4.479 40259 2	0.174 62922 6	0.553 31108 4	2.1633 06336	2.5176 33069	0.8538 37272
TRCN 000020 0928	NM_011474 .2-474slcl	207 62	Sprr2h	0.081 01752 9	3.348 34027	0.401 95808 8	0.020 44295 7	4.478 91889 4	0.172 52495 4	0.034 84347 6	2.1631 50541	2.5351 23043	4.8429 67651
TRCN 000007 1936	NM_146083 .1-588slcl	225 027	Sfrs7	0.728 81483 9	3.335 84982 4	0.179 69572 5	0.043 75085 5	4.462 21100 5	0.077 12743 6	0.074 57002 8	2.1577 58736	3.6966 12031	3.7452 60311
TRCN 000002 9953	NM_008981 .1-4084slcl	192 70	Ptprg	0.276 89990 8	3.335 56080 3	0.140 31626 6	0.581 86996 2	4.461 82439 6	0.060 22532 7	0.991 75339 7	2.1576 33735	4.0534 85858	0.0119 46662
TRCN 000000 8463	NM_007597 .2-2011slcl	123 30	Canx	0.148 37155 9	3.327 64226 2	1.124 98261 6	0.409 20790 2	4.451 23213 2	0.482 85525 4	0.697 46395 9	2.1542 04739	1.0503 37319	0.5198 09427
TRCN 000007 6266	NM_008217 .2-555slcl	151 18	Has3	0.152 25403 9	3.327 29836 3	0.008 47627 6	179.9 68328 1	4.450 77211 4	0.003 63811 3	306.7 42420 6	2.1540 55635	8.1025 93793	8.2608 83886
TRCN 000017 5403	NM_133662 .1-578slcl	159 37	Ier3	0.131 07338 9	3.322 67489 3	0.039 57482 6	1 1	4.444 58751 4	0.016 98596 3	1.704 42446 1	2.1520 49534	5.8795 13196	0.7692 84661
TRCN 000011 4299	NM_021890 .3-1305slcl	605 27	Fads3	0.137 78744 4	3.306 32219 2	0.343 47312 9	0.155 11608 9	4.422 71326 6	0.147 42254 9	0.264 38365 6	2.1449 31712	2.7619 70887	1.9192 95099
TRCN 000008 0194	NM_025867 .1-941slcl	669 57	Serpinb 11	0.175 07356 5	3.302 06885 9	0.013 08996 2	4.622 56626 9	4.417 02378 1	0.005 61836 1	7.878 81502 1	2.1430 746	7.4756 35287	2.9779 78664
TRCN 000002 9891	NM_008977 .1-1194slcl	192 55	Ptpn2	0.047 65203 5	3.294 40843 9	0.212 90425 1	0.063 08613 3	4.406 77679 3	0.091 38091 1	0.107 52554 3	2.1397 23825	3.4519 63369	3.2172 48672
TRCN 000007 9554	NM_026228 .2-655slcl	675 47	Slc39a8	0.355 65633 4	3.293 81980 9	0.321 10592 6	2.081 24689 8	4.405 98941 1	0.137 82229 3	3.547 32812 2	2.1394 66028	2.8591 1883	1.8267 32783
TRCN 000017 3777	NM_010700 .1-1304slcl	168 35	Ldlr	0.351 86012	3.291 77364 6	0.807 04720 9	0.827 68574 4	4.403 25235 3	0.346 39378 4	1.410 72782 8	2.1385 69528	1.5295 15054	0.4964 39676
TRCN 000002 7685	NM_134994 .3-1813slcl	235 480	UNK	0.057 92381 8	3.280 17748 9	4.731 22917 9	0.026 79860 2	4.387 74071 5	2.030 69703 9	0.045 67619 3	2.1334 78275	1.0219 75019	4.4524 13766
TRCN 000005 5218	NM_207655 .1-3135slcl	136 49	Egfr	0.337 21244 9	3.276 15554 3	0.247 29731 3	2.234 15616 1	4.382 36074 5	0.106 14280 2	3.807 95040 9	2.1317 08248	3.2359 21557	1.9290 14691
TRCN 000019 7701	NM_033560 .2-1030slcl	523 48	Vps37a	0.055 44445 7	3.273 96771 8	0.017 35306 5	1 1	4.379 43419 3	0.007 44813 2	1.704 42446 1	2.1307 44491	7.0689 05686	0.7692 84661
TRCN 000012 0665	NM_026917 .4-242slcl	690 35	Zdhhc3	0.240 75185 2	3.268 49222 3	0.452 89242 6	1.294 14333 6	4.372 10987 9	0.194 38654 8	2.205 76955 7	2.1283 29659	2.3629 99711	1.1412 82076
TRCN 000008 0202	NM_026323 .1-280slcl	677 01	Wfdc2	0.080 61900 3	3.265 06825 3	3.052 57008 3	0.100 33260 6	4.367 52979 3	1.310 19758 2	0.171 00934 8	2.1268 17545	0.3897 84391	2.5478 52907
TRCN 000008 1890	NM_009296 .1-193slcl	209 22	Supt4h1	0.065 55215 2	3.265 06825 3	0.735 38133 8	0.416 48094	4.367 52979 3	0.315 63398 2	0.709 86030 2	2.1268 17545	1.6636 75557	0.4943 92959
TRCN 000017 5002	NM_181409 .2-2180slcl	194 126	Mtmr11	0.004 53458 3	3.265 06825 3	0.306 27231 1	1 1	4.367 52979 3	0.131 45553 8	1.704 42446 1	2.1268 17545	2.9273 53177	0.7692 84661
TRCN 000018 9368	NM_025503 .1-271slcl	663 46	170002 9P11Ri k	0.042 00260 5	3.265 06825 3	0.306 27231 1	1 1	4.367 52979 3	0.131 45553 8	1.704 42446 1	2.1268 17545	2.9273 53177	0.7692 84661

TRCN 000008 9693	NM_172612 .1-1838slcl	223 881	Rnd1	0.090 30631 6	3.264 00281 9	0.161 88305 3	1	4.366 10461 2	0.069 48203 6	1.704 42446 1	2.1263 46698	3.8472 16159	0.7692 84661
TRCN 000006 6535	NM_009777 .1-790slcl	122 60	Clqb	0.182 56971 3	3.263 62027 2	0.110 01669 6	1	4.365 59289 6	0.047 22040 9	1.704 42446 1	2.1261 77601	4.4044 45642	0.7692 84661
TRCN 000017 5798	NM_172049 .1-266slcl	211 986	Tmem1 8	0.088 47134 2	3.263 03673 4	0.160 65553 4	2.628 95018 4	4.364 81232 4	0.068 95516 9	4.480 847 9	2.1259 19623	3.8581 97484	2.1637 71466
TRCN 000009 4474	NM_146010 .1-1026slcl	216 350	Tspan8	0.137 21939 2	3.255 52637 7	0.749 93791 1	0.015 54523 9	4.354 76607 9	0.321 88182 8	0.026 49568 6	2.1225 95222	1.6353 96965	5.2380 98696
TRCN 000008 6085	NM_007855 .1-256slcl	133 45	Twist2	0.569 92487 5	3.253 97422 5	0.116 55973 9	2.174 36410 3	4.352 68982 8	0.050 02875 8	3.706 03936 3	2.1219 07218	4.3210 98567	1.8898 78205
TRCN 000001 2841	NM_019499 .2-572slcl	561 50	Mad21l	0.193 77160 3	3.250 33954 2	0.212 18080 8	0.012 71952 4	4.347 82788 2	0.091 07040 1	0.021 67946 8	2.1202 94829	3.4568 73954	5.5275 26813
TRCN 000002 9018	NM_008976 .1-2866slcl	192 50	Ptpn14	0.286 49714 5	3.243 88656 2	0.077 90805 9	0.145 25393 5	4.339 19603 1	0.033 43902 9	0.247 57435 9	2.1174 27764	4.9023 23643	2.0140 6619
TRCN 000010 5430	NM_015749 .1-1651slcl	214 52	Tcn2	0.081 97300 3	3.236 38545 7	0.484 94256 5	0.603 49158 7	4.329 16215 2	0.208 14283 3	1.028 60582 3	2.1140 87839	2.2643 54233	0.0406 90226
TRCN 000008 0552	NM_012023 .1-1134slcl	269 31	Ppp2r5c	0.543 50886 1	3.234 78004 9	0.761 79070 9	0.109 10861 7	4.327 01467 3	0.326 96918 3	0.185 96739 6	2.1133 72013	1.6127 73429	2.4268 78385
TRCN 000005 5163	NM_008707 .2-1640slcl	181 07	Nmt1	0.181 03987 7	3.234 47144 8	0.505 34408 4	0.518 09073 1	4.326 60187 1	0.216 89939 3	0.883 04651 5	2.1132 34372	2.2049 02081	0.1794 3866
TRCN 000005 5165	NM_008707 .2-698slcl	181 07	Nmt1	0.239 72144 5	3.227 83745 5	0.426 86295 4	0.033 16559 8	4.317 72788 8	0.183 21440 5	0.056 52824 2	2.1102 72325	2.4483 9516	4.1448 84358
TRCN 000017 3357	NM_175099 .2-1897slcl	588 87	Repin1	0.232 59402 1	3.212 97910 2	0.291 24891 4	0.058 91987 7	4.297 85256 1	0.125 00732 6	0.100 42448 6	2.1036 15992	2.9999 15451	3.3158 17101
TRCN 000010 5182	NM_133774 .2-216slcl	170 459	Stard4	0.102 42125 9	3.211 26809 5	0.009 93413 6	1	4.295 56382 7	0.004 26384 4	1.704 42446 1	2.1028 47509	7.8736 29761	0.7692 84661
TRCN 000008 5999	NM_021877 .2-4162slcl	154 60	Hr	0.232 16788 4	3.209 72948 5	0.411 37780 5	0.247 51711 2	4.293 50569 3	0.176 56800 3	0.421 87422 3	2.1021 56105	2.5017 04165	1.2451 15165
TRCN 000004 1746	NM_010699 .1-434slcl	168 28	Ldha	0.170 16216 6	3.205 72468 1	0.274 52052 4	0.100 76085 4	4.288 14866 8	0.117 82731 4	0.171 73926 4	2.1003 54921	3.0852 54128	2.5417 08184
TRCN 000008 0195	NM_025867 .1-684slcl	669 57	Serpinb 11	0.380 76060 8	3.205 67526 5	0.493 38758 4	0.012 65836 9	4.288 08255 9	0.211 76752 8	0.021 57523 4	2.1003 32682	2.2394 4671	5.5344 79974
TRCN 000003 2537	NM_029614 .2-355slcl	764 53	Prss23	0.237 76061 9	3.199 69189 7	0.771 0627 8	0.437 96610 8	4.280 07888 5	0.330 94882 6	0.746 48014 7	2.0976 37387	1.5953 19943	0.4218 24204
TRCN 000008 0197	NM_025867 .1-900slcl	669 57	Serpinb 11	0.221 30557 9	3.198 21346 8	1.487 58172 5	0.132 15195 5	4.278 10126 8	0.638 48688 8	0.225 24302 4	2.0969 70631	0.6472 71102	2.1504 45667
TRCN 000009 6101	NM_008393 .2-1525slcl	163 73	Irx3	0.123 79305 1	3.179 98874 1	0.491 72291 1	0.416 48094 8	4.253 72289 1	0.211 05303 2	0.709 86030 2	2.0887 26051	2.2443 22546	0.4943 92959
TRCN 000001 2850	NM_009772 .1-448slcl	122 35	Bub1	0.054 02536 7	3.176 62904 2	0.460 16795 9	1.478 17093 1	4.249 22877 8	0.197 50928 9	2.519 43069 2	2.0872 0102	2.3400 07588	1.3330 97769
TRCN 000008 6083	NM_007855 .1-1024slcl	133 45	Twist2	0.193 60873 9	3.175 85640 9	0.342 4794 3	1.136 46385 3	4.248 19526 3	0.146 99603 9	1.937 01678 9	2.0868 50079	2.7661 50907	0.9538 36459
TRCN 000011 3398	NM_013853 .1-1268slcl	274 07	Abcf2	0.140 70815 9	3.175 56336 4	1.710 67626 8	0.006 71352 6	4.247 80327 8	0.734 24159 8	0.011 44269 8	2.0867 16952	0.4456 7326	6.4494 28898
TRCN 000010 1881	NM_144900 .1-1615slcl	119 28	Atp1a1	0.198 26114 8	3.158 16722 4	0.580 67618 4	1.889 51077 6	4.224 53325 8	0.249 23278 1	3.220 52838 5	2.0787 91956	2.0044 34258	1.6872 97407

TRCN 000011 3374	NM_172751 .1-3572slcl	234 094	Arhgef1 0	0.191 66707	3.155 52265 8	1.779 31407 7	0.012 85699 9	4.220 99575	0.763 70171 3	0.021 91378 3	2.0775 83377	0.3889 18835	- 17633
TRCN 000009 8787	NM_144799 .1-1063slcl	309 37	Lmcd1	0.168 79651 9	3.153 88126 5	0.176 71299 8	0.607 80540 4	4.218 80013 6	0.075 84721 6	1.035 95839 9	2.0768 32742	3.7207 59963	0.0509 66069
TRCN 000009 9267	NM_009121 .3-546slcl	202 29	Sat1	0.030 87135 2	3.152 47487 9	0.537 94410 1	1.834 53558 2	4.216 91887 9	0.230 89168 8	3.126 82732	2.0761 89269	2.1147 11856	1.6446 99548
TRCN 000012 6479	NM_027251 .2-1427slcl	698 94	201010 7G23Ri k	0.220 42325 9	3.145 15678 1	1.680 87183 2	0.462 04993 1	4.207 1298	0.721 44918 9	0.787 52920 5	2.0728 36329	0.4710 30305	0.3445 94668
TRCN 000020 2449	NM_025335 .1-207slcl	660 74	061004 1E09Ri k	0.354 36218 2	3.141 11217 1	0.102 93050 2	5.445 58029 5	4.201 71951 3	0.044 17893 5	9.281 58025 7	2.0709 79858	4.5004 97549	3.2143 70456
TRCN 000000 9707	NM_021451 .1-444slcl	588 01	Pmaip1	0.095 71130 6	3.133 29254 6	0.010 13802 3	151.4 30890 4	4.191 25956 5	0.004 35135 4	258.1 02513 7	2.0673 8387	7.8443 19909	8.0118 00382
TRCN 000009 7495	NM_178891 .3-1074slcl	998 90	Prmt6	1.188 00245 5	3.132 60531	0.677 79139 3	0.527 76658 4	4.190 34028 1	0.290 91572 7	0.899 53827	2.0670 67404	1.7813 26804	0.1527 43425
TRCN 000000 9543	NM_019794 .1-977slcl	564 45	Dnaja2	0.235 42813 2	3.120 10357	0.006 09440 5	4.173 61728 1	0.002 61578 6	1.704 42446 8	2.0612 98314	8.5785 38822	0.7692 84661	
TRCN 000009 1604	NM_199473 .1-687slcl	329 941	Col8a2	0.284 06635 7	3.112 14422	0.660 24005 6	0.014 53239 1	4.162 97043 4	0.283 38249 4	0.024 76936 3	2.0576 13312	1.8191 77455	5.3352 99429
TRCN 000005 4757	NM_007451 .2-933slcl	117 40	Slc25a5	0.194 68484 2	3.110 68847	0.028 92603 1	15.45 27574 7	4.161 02314 5	0.012 41537 9	26.33 80578 2	2.0569 38313	6.3317 27836	4.7190 7706
TRCN 000010 6371	NM_009396 .1-1300slcl	219 28	Tnfaip2	0.311 56884 4	3.102 6028	0.185 21276 7	18.18 82452	4.150 20732 1	0.079 49541 3	31.00 04900 2	2.0531 83407	3.6529 84569	4.9542 19115
TRCN 000011 1062	NM_008576 .2-437slcl	172 50	Abcc1	0.242 81353 4	3.089 46691 5	0.288 23267 2	2.654 61002 6	4.132 63605 9	0.123 71272 1	4.524 58226 3	2.0470 62318	3.0149 34242	2.1777 846
TRCN 000007 1548	NM_021459 .2-343slcl	163 92	Isl1	0.529 28764 1	3.088 55780	0.223 18070 9	1.585 73425 4	4.131 41997 9	0.095 79168 3	2.702 76425 1	2.0466 37725	3.3839 55788	1.4344 35678
TRCN 000002 6090	XM_144956 .2-972slcl	184 30	Oxtr	0.074 80101 7	3.080 90622	1.510 89100 5	0.051 66977 3	4.121 18481 6	0.648 49149 7	0.088 06722 5	2.0430 59163	0.6248 40438	3.5052 50976
TRCN 000003 7345	NM_178779 .2-1134slcl	320 311	Rnfl52	0.251 94413 2	3.079 77104 9	0.676 04161 5	0.128 41619	4.119 66635	0.290 16470 2	0.218 87569 5	2.0425 27499	1.7850 56064	2.1918 16337
TRCN 000006 9042	NM_028787 .2-495slcl	741 50	Slc35f5	0.552 37183 5	3.079 64014 1	0.268 01288 8	0.053 60928 5	4.119 49124 1	0.115 03416 1	0.091 37297 6	2.0424 66175	3.1198 65743	3.4520 88648
TRCN 000020 0854	NM_026412 .1-415slcl	519 44	D2Erttd 750e	0.039 40883 3	3.073 23215 3	0.025 10686 6	4.110 91957 1	0.010 77615 4	1.704 42446 1	2.0394 61147	6.5360 14238	0.7692 84661	
TRCN 000010 8661	NM_009416 .2-665slcl	220 04	Tpm2	0.214 55457 3	3.070 07264 8	0.851 18621 5	0.655 88226 4	4.106 69325 1	0.365 33874 4	1.117 90177 4	2.0379 77189	1.4526 93335	0.1607 93429
TRCN 000019 2998	NM_146235 .2-391slcl	236 930	Erec6l	0.029 81812 1	3.067 48457 5	0.022 37964 6	83.71 52631 5	4.103 23130 6	0.009 60559 7	142.6 86342 3	2.0367 60484	6.7019 08998	7.1567 03438
TRCN 000009 1374	XM_127565 .6-801slcl	286 940	Flnb	0.077 46685 9	3.063 03667 7	0.071 81634 5	2.667 55717 4	4.097 28156 7	0.030 82438 9	4.546 64969 9	2.0346 67036	5.0197 83994	2.1848 03854
TRCN 000009 7923	NM_008306 .2-1087slcl	155 31	Ndst1	0.172 63488 2	3.058 77270 7	0.719 66828 8	0.229 09811 7	4.091 57784 6	0.308 88976 3	0.390 48043 4	2.0326 57301	1.6948 36034	1.3566 77835
TRCN 000011 1390	NM_016658 .1-1194slcl	144 30	Galt	0.205 06081 7	3.045 28294 9	0.732 34828 9	0.890 39569 3	4.073 53321 3	0.314 33216 3	1.517 61219 8	2.0262 80671	1.6696 38196	0.6018 0318
TRCN 000003 0286	NM_146808 .1-204slcl	258 804	Olfrl24 0	0.077 25390 8	3.045 07174 7	42.67 79581 6	0.006 52928 1	4.073 25071	18.31 78620 2	0.011 12866 6	2.0261 80615	4.1951 79223	6.4895 75585

TRCN 000011 1508	NM_033075 .2-1782slcl	110 956	D17H6 S56E-5	0.065 08938 2	3.045 07174 7	0.356 73979 2	14.92 94028 7	4.073 25071	0.153 11675 1	25.44 60394 4	2.0261 80615	2.7072 95974	4.6693 6922
TRCN 000002 3931	XM_125706 .5-769slcl	110 279	Bcr	0.118 86672	3.034 84819 5	0.711 38752 8	0.013 02036	4.059 57513 9	0.305 33556 8	0.022 19222	2.0213 28748	1.7115 32441	5.4938 02201
TRCN 000019 0874	NM_026330 .2-378slcl	677 11	Nsmce1	0.263 50060 9	3.032 92035 9	4.779 47218 6	0.005 98204 4	4.056 99636 3	2.051 40348 3	0.010 19594 3	2.0204 12009	1.0366 11278	6.6158 61026
TRCN 000020 0540	NM_146235 .2-3897slcl	236 930	Ercc6l	0.512 06536 5	3.031 99091 1	0.417 62583 9	1.129 41829 4	4.055 75308 4	0.179 24973 1	1.925 00816 6	2.0199 69823	2.4799 57144	0.9448 64566
TRCN 000009 3359	NM_025664 .2-860slcl	666 16	Snx9	0.723 18466 1	3.029 11139 6	0.329 01757 1	0.105 36303 9	4.051 90129 1	0.141 21806	0.179 58334 1	2.0185 99029	2.8240 03491	2.4772 7457
TRCN 000008 9342	NM_139299 .1-2193slcl	218 624	Il3lra	0.309 14659 1	3.026 61661 4	0.134 70570 8	7.296 50856 8	4.048 56413 8	0.057 81721 2	12.43 63476 8	2.0174 10333	4.1123 5714	3.6364 9095
TRCN 000017 3345	NM_025455 .1-627slcl	662 64	Ccdc28 b	0.075 41672 1	3.024 37313 9	0.038 11072 6	12.47 14598 5	4.045 56314 5	0.016 35755 5	21.25 66612 3	2.0163 40541	5.9338 99112	4.4098 43107
TRCN 000007 6922	NM_013829 .1-2011slcl	187 98	Plcb4	0.053 45408 2	3.022 26045 5	0.020 86789 2	51.71 43069 3	4.042 73710 6	0.008 95673 5	88.14 31297	2.0153 3239	6.8028 1135	6.4617 76218
TRCN 000010 2336	NM_133188 .1-471slcl	702 48	Dazap1	0.152 33116 6	3.010 67922 5	0.018 49546 3	7.037 61044 9	4.027 24543 4	0.007 93846 2	11.99 50753 9	2.0097 93398	6.9769 24792	3.5843 70321
TRCN 000007 1568	NM_021457 .2-1106slcl	143 62	Fzd1	0.145 21435 4	3.008 58950 8	1.327 29591 2	0.039 40324 2	4.024 45011 6	0.569 69040 7	0.067 15984 9	2.0087 91673	0.8117 49983	3.8962 572
TRCN 000007 1737	NM_020510 .1-1824slcl	572 65	Fzd2	0.094 25162 9	3.005 27388 1	0.938 88622 8	0.138 33599 8	4.020 01495 6	0.402 98058 1	0.235 78326	2.0072 00869	1.3112 17775	2.0844 66803
TRCN 000007 5565	NM_010688 .2-462slcl	167 96	Lasp1	0.426 99209 9	3.001 45643	0.343 27517 2	0.104 97817	4.014 90853	0.147 33758 4	0.178 92736	2.0053 6712	2.7628 02605	2.4825 54084
TRCN 000003 1700	NM_012055 .1-1397slcl	270 53	Asns	0.019 63807 2	2.996 27730 5	1.609 14928 4	3.071 90181 6	4.007 98065 6	0.690 66506	5.235 82459 7	2.0028 75546	0.5339 41853	2.3884 16767
TRCN 000002 3952	NM_012025 .3-2022slcl	269 34	Racgap l	0.112 61317 5	2.975 91586 1	5.095 36464 2	0.418 39035 3	3.980 74410 1	2.186 98809 5	0.713 11475 2	1.9930 38132	1.1289 45367	0.4877 93847
TRCN 000008 6027	NM_016974 .1-1199slcl	131 70	Dbp	1.525 79596 2	2.956 15765 5	0.459 9103	0.041 87787 1	3.954 31446 7	0.197 39869 9	0.071 37766 9	1.9834 27606	2.3408 15615	3.8083 83412
TRCN 000001 2148	NM_007417 .1-156slcl	115 51	Adra2a	0.223 52884 5	2.954 64856 3	1.015 13743 2	0.009 45179 1	3.952 29582 6	0.435 70845 9	0.016 10986 4	1.9826 90935	1.1985 64971	5.9559 11913
TRCN 000019 4538	NM_020588 .1-2231slcl	574 39	I30000 7B12Ri k	0.396 64447 8	2.948 89848 3	0.315 11879 1	2.394 49406 1	3.944 60421 2	0.135 25254 7	4.081 23424 8	1.9798 80552	2.8862 72336	2.0290 05518
TRCN 000005 4653	NM_011097 .1-1109slcl	187 40	Pitx1	0.138 82890 5	2.944 81483 1	0.136 29171 3	0.471 50768 4	3.939 1417	0.058 49794 4	0.803 64923 1	1.9778 81315	4.0954 70276	0.3153 6215
TRCN 000009 7136	NM_010586 .1-236slcl	164 39	Itpr2	0.693 24359 9	2.943 41379 9	0.016 60706	22.13 16365 7	3.937 26760 5	0.007 12793 8	37.72 17027 3	1.9771 94772	7.1322 99563	5.2373 22895
TRCN 000008 6489	NM_172296 .1-842slcl	242 620	Dmrta2	0.176 23606 8	2.941 87004 7	0.401 24798 3	0.467 29793 9	3.935 2026	0.172 22016 9	0.796 47403 7	1.9764 37913	2.5376 73982	0.3283 0076
TRCN 000017 5372	NM_030013 .1-848slcl	779 51	Cyp20a l	0.650 65495 4	2.939 13787 4	0.138 81645 8	1.779 72522	3.931 54789 9	0.059 58159 3	3.033 40719 9	1.9750 97431	4.0689 89501	1.6009 39176
TRCN 000006 8401	NM_008433 .2-1279slcl	165 34	Kcnn4	0.309 52212 7	2.938 60616 9	0.666 74477 4	0.028 42030 2	3.930 83666 2	0.286 17439 3	0.048 44025 8	1.9748 36417	1.8050 33511	4.3676 49638
TRCN 000012 4936	NM_026719 .1-790slcl	684 21	Lmbrd1	0.093 44383 7	2.930 92248 6	0.160 07555 1	2.698 34105 8	3.920 55855 7	0.068 70623 6	4.599 11850 3	1.9710 59208	3.8634 15142	2.2013 57371

TRCN 000011 2811	NM_011269 .1-1228s1c1	197 43	Rhag	0.129 66604 9	2.927 18331 3	6.015 05723 3	0.365 29277	3.915 55684	2.581 73055 1	0.622 61393 3	1.9692 17491	1.3683 38438	- 0.6835 90232
TRCN 000009 1052	XM_144905 .5-855s1c1	243 548	Prickle2	0.605 98197 4	2.909 73979 4	0.193 09337 5	0.123 92867 7	3.892 22345 7	0.082 87785 9	0.211 22706 9	1.9605 94539	3.5928 69452	- 2.2431 33364
TRCN 000007 5457	NM_007792 .2-393s1c1	130 08	Csrp2	0.450 12102 8	2.898 60134 1	0.363 88208 3	1.992 18693 7	3.877 32406 6	0.156 18230 3	3.395 53214 6	1.9550 6132	2.6786 97104	- 1.7636 37691
TRCN 000011 0514	NM_001025 307.1- 1489s1c1	209 08	Stx3	0.118 58415 8	2.896 85711 1	1.834 58724 5	0.209 74021 7	3.874 99089 1	0.787 42558 1	0.357 48635 6	1.9541 92919	0.3447 84512	- 1.4840 39914
TRCN 000009 7922	NM_008306 .2-2327s1c1	155 31	Ndst1	0.589 50204 4	2.895 80334 3	0.284 52456 3	0.571 09972 8	3.873 58131 5	0.122 12115 9	0.973 39634 6	1.9536 68025	3.0336 14914	- 0.0389 00736
TRCN 000002 3767	NM_152809 .1-280s1c1	704 25	Csnk1g 3	0.134 06855 6	2.892 18792 4	0.009 90230 5		3.868 74513 6	0.004 25018 1	1.704 42446 1	1.9518 65691	7.8782 59866	- 0.7692 84661
TRCN 000012 6063	NM_007823 .1-775s1c1	131 20	Cyp4b1	0.084 72706 1	2.891 22379	1.566 77362 6	0.774 73524 6	3.867 45546	0.672 47694 9	1.320 47770 5	1.9513 84677	0.5724 43279	0.4010 59943
TRCN 000009 4212	NM_009655 .1-2767s1c1	116 58	Alcam	0.325 53210 4	2.879 18973 3	0.717 31297	0.344 81122	3.851 35805 8	0.307 87883 5	0.587 70468 4	1.9453 67256	1.6995 654	- 0.7668 36697
TRCN 000010 0831	NM_024436 .1-341s1c1	193 34	Rab22a	0.096 5646	2.870 96398 1	1.639 81654 6	0.004 30187 4	3.840 35485 6	0.703 82779 6	0.007 33222	1.9412 39625	0.5067 05604	- 7.0915 34202
TRCN 000011 2351	NM_028876 .1-680s1c1	731 30	Tmed5	0.120 85650 8	2.860 89346 3	0.238 56275 8	6.368 40115 6	3.826 88399 3	0.102 39383 2	10.85 44587 1	1.9361 70168	3.2877 99281	3.4402 15878
TRCN 000007 7794	NM_007635 .2-1139s1c1	124 52	Ccng2	0.366 17323 8	2.860 85746 6	0.382 31632 9	0.607 77549 4	3.826 83584 2	0.164 09449	1.035 90741 9	1.9361 52016	2.6074 01301	0.0508 95072
TRCN 000002 4991	XM_127444 .3-309s1c1	697 16	Trip13	0.085 95209 8	2.855 16081	0.807 60145	1.344 77407 3	3.819 21569 1	0.346 63167	2.292 06582 4	1.9332 76399	1.5285 24622	1.1966 48477
TRCN 000019 1424	NM_153525 .2-2509s1c1	233 724	Tmem4 1b	0.222 82957 7	2.845 37504 1	0.151 49293	2.857 81229	3.806 12572 3	0.065 02247 8	4.870 92517 5	1.9283 23217	3.9429 1766	2.2841 95821
TRCN 000006 8407	NM_015747 .1-2375s1c1	205 15	Slc20a1	0.126 32461 7	2.844 94451 9	0.236 17214 3	0.959 23520 7	3.805 54983 3	0.101 36775 3	1.634 94395	1.9281 04912	3.3023 29317	0.7092 41178
TRCN 000012 3978	NM_021314 .3-2176s1c1	577 52	Tacc2	0.087 30593 1	2.837 67757 7	0.645 62721 7	2.002 20313 4	3.795 82918 3	0.277 11049 9	3.412 60399 7	1.9244 15071	1.8514 66724	1.7708 73012
TRCN 000007 1930	NM_146120 .2-784s1c1	227 753	Gsn	0.082 21914 9	2.833 60582 4	0.649 49743 8	5.823 94961 1	3.790 38258 9	0.278 77164 2	9.926 48217 5	1.9223 43477	1.8428 44286	3.3112 82535
TRCN 000017 8412	NM_001013 806.1- 1328s1c1	433 667	Ankrd1 3c	0.226 30887 9	2.833 15351 4	0.386 78834 7	0.027 54292	3.789 77755 5	0.166 01393	0.046 94482 7	1.9221 1317	2.5906 23791	4.4128 89991
TRCN 000001 1986	NM_019477 .2-538s1c1	507 90	Acs14	0.815 31272 7	2.830 96729 2	0.108 77524 7	2.181 95547 6	3.786 85314 8	0.046 68756 5	3.718 97828 5	1.9209 99475	4.4208 17834	1.8949 06324
TRCN 000017 3152	NM_180588 .1-422s1c1	725 49	Reep4	0.245 08858 9	2.827 34395 3	1.495 14217 1	0.036 20520 9	3.782 00637 5	0.641 73191 9	0.061 70904 4	1.9191 51795	0.6399 57353	4.0183 74249
TRCN 000012 6043	NM_013587 .2-111s1c1	169 76	Lrpap1	0.086 99007 5	2.826 43040 4	0.984 61169 4	1.640 04977	3.780 78436 3	0.422 60646 8	2.795 34094 4	1.9186 85568	1.2426 13248	1.4830 24258
TRCN 000009 9052	NM_025298 .2-1207s1c1	269 39	Polr3e	0.395 25872 7	2.823 49156 9	0.307 31131 3	2.838 83550 2	3.776 85322 1	0.131 90148 9	4.838 58067	1.9171 84718	2.9224 67242	2.2745 83915
TRCN 000019 2094	NM_023605 .1-1059s1c1	715 38	Fbxo9	0.638 27002 2	2.817 68646 8	0.135 53878 9	1.042 68810 9	3.769 08800 7	0.058 17478	1.777 18311 8	1.9142 15482	4.1034 62334	0.8295 92342
TRCN 000011 0026	NM_017402 .2-1997s1c1	541 26	Arhgef7	0.230 73345 1	2.815 39010	1.337 36346 2	15.08 03373 2	3.766 01626 5	0.574 01151 4	25.70 32958	1.9130 39231	0.8008 48419	4.6838 81455

TRCN 000018 9872	NM_011474 .1-293slcl	207 62	Spr2h	0.709 14874	2.814 35095 2	0.327 36275 9	0.160 90952 5	3.764 62624 4	0.140 50779 6	0.274 25813	1.9125 0664	- 2.8312 77912	- 1.8663 93706
TRCN 000020 1497	NM_026412 .1-968slcl	519 44	D2Ert 750e	0.255 14665 8	2.810 00974 3	1.019 12968 2	1.034 99436 9	3.758 81921	0.437 42197 8	1.764 06972	1.9102 79527	- 1.1929 02385	- 0.8189 0758
TRCN 000011 1047	NM_001002 788.1- 559slcl	442 830	UNK	0.088 78026 1	2.806 50672 4	0.285 74677 1	2.512 51514 2	3.754 13338 5	0.122 64574 4	4.282 39226 6	1.9084 7991	- 3.0274 30926	- 2.0984 16952
TRCN 000020 1776	NM_172943 .2-1463slcl	268 420	Alkbh5	0.063 63762 7	2.798 88946 3	0.128 28399 4	2.207 52209	3.743 94413	0.055 06094	3.762 55464 8	1.9045 58906	- 4.1828 26946	- 1.9117 12536
TRCN 000003 7305	NM_030706 .1-321slcl	808 90	Trim2	0.584 35897 4	2.797 58431 9	0.938 45654 3	0.048 75935 1	3.742 19829 9	0.402 79615 5	0.083 10663	1.9038 86009	- 1.3118 78182	- 3.5888 92607
TRCN 000011 3555	NM_021339 .1-3344slcl	578 10	Cdon	0.507 73301 1	2.794 60697 8	0.263 59554	0.852 34612 2	3.738 21564 8	0.113 13818 5	1.452 75957 9	1.9023 49797	- 3.1438 4216	- 0.5387 95967
TRCN 000010 9668	NM_010217 .1-789slcl	142 19	Ctgf	0.428 20255 4	2.794 51909 5	0.677 53350 7	0.184 82366 9	3.738 09809	0.290 80503	0.315 01798	1.9023 04427	- 1.7818 75827	- 1.6664 93912
TRCN 000009 3705	NM_024222 .2-889slcl	682 92	St3b	0.418 49639 2	2.792 98927 5	0.978 15224 7	0.056 18357 1	3.736 05172 2	0.419 834	0.095 76065 3	1.9015 14428	- 1.2521 09088	- 3.3844 23205
TRCN 000010 8598	NM_024272 .2-530slcl	669 70	Ssbp2	0.180 17401 9	2.791 57473 7	1.809 30041 9	2.251 22983 3	3.734 15956 1	0.776 57219	3.837 05119 4	1.9007 83575	- 0.3648 08052	- 1.9399 98014
TRCN 000017 6487	NM_175451 .1-694slcl	216 197	Ckap4	0.252 88469 9	2.787 26121 4	0.772 29858 4	0.303 61586 8	3.728 38956 2	0.331 47928 1	0.517 49031 2	1.8985 52608	- 1.5930 09396	- 0.9503 96242
TRCN 000000 9564	NM_020266 .1-933slcl	568 12	Dnajb1 0	1.731 61404 2	2.776 39831 6	0.281 09141 3	1.603 07348 8	3.713 85876 9	0.120 64761 2	2.732 31766 5	1.8929 18953	- 3.0511 2874	- 1.4501 25224
TRCN 000006 8825	NM_010291 .2-633slcl	146 22	Gjb5	0.464 15683 2	2.775 38979 1	0.312 04189 1	2.041 97753	3.712 50971 2	0.133 93190 7	3.480 39645 1	1.8923 948	- 2.9004 28401	- 1.7992 51652
TRCN 000019 0477	NM_175003 .2-1371slcl	216 831	AU040 829	0.064 67539 7	2.775 17205	0.028 59101 4	46.88 58394 1	3.712 21845	0.012 27158 7	79.91 33715 6	1.8922 8161	- 6.3485 3441	- 6.3203 65018
TRCN 000017 8371	NM_177687 .2-407slcl	232 430	Crebl2	0.188 59850 1	2.774 57535 3	0.043 77177 1	4.007 32917 8	3.711 42027 7	0.018 78733 9	6.830 18987 3	1.8919 71379	- 5.7340 95454	- 2.7719 25685
TRCN 000009 8304	NM_011824 .3-422slcl	238 92	Grem1	0.065 08938 2	2.770 50385 6	3.224 21369 4	0.553 80778 2	3.705 97402 5	1.383 86896	0.943 92353 1	1.8898 52769	- 0.4687 07339	- 0.0832 58106
TRCN 000012 0108	NM_028749 .1-976slcl	740 91	Npl	1.057 48234 1	2.770 47873 6	0.132 22457 6	1.759 90921 5	3.705 94042 2	0.056 75228 2	2.999 63231 4	1.8898 39688	- 4.1391 77777	- 1.5847 85671
TRCN 000008 8833	NM_011499 .1-1384slcl	209 01	Strap	0.074 69989 7	2.762 48170 3	0.018 12305	1.414 69003 5	3.695 24316 4	0.007 77861 8	2.411 2323	1.8856 69303	- 7.0062 70472	- 1.2697 70648
TRCN 000002 8863	NM_010195 .1-153slcl	141 60	Lgr5	0.539 76159 4	2.753 93577 6	0.405 03246 2	0.598 79306 9	3.683 81167 5	0.173 84451 1	1.020 59755 4	1.8811 99309	- 2.5241 30583	- 0.0294 14089
TRCN 000002 3933	XM_125706 .5-2472slcl	110 279	Bcr	0.022 61677 7	2.751 07480 4	2.075 74704 3	0.092 52840 7	3.679 98468 6	0.890 93409 2	0.157 70768	1.8796 99763	- 0.1666 09384	- 2.6646 75179
TRCN 000006 8405	NM_015747 .1-1843slcl	205 15	Slc20a1	0.218 45268 8	2.750 47854 7	0.195 54184 6	8.043 96655 7	3.679 18710 1	0.083 92877 6	13.71 03333 6	1.8793 87045	- 3.5746 90747	- 3.7771 91745
TRCN 000020 1128	NM_175127 .1-365slcl	679 48	Fbxo28	0.185 01677 6	2.743 69795 3	0.012 71302 5	1.603 76104 5	3.670 11701 5	0.005 45657 4	2.733 48955 4	1.8758 26062	- 7.5177 88825	- 1.4507 43862
TRCN 000012 5678	NM_133706 .1-332slcl	690 71	Tmem9 7	0.170 86795 7	2.742 29041 8	0.139 89844 3	3.668 23422 1	0.060 04599 3	1.704 42446 1	1.8750 8576	- 4.0577 88219	- 0.7692 84661	
TRCN 000012 4883	NM_177124 .3-1815slcl	213 988	Tnrc6b	0.626 83971 6	2.733 91527 1	0.058 84906 2	1.422 30081 1	3.657 03117 8	0.025 25868 2	2.424 20429 3	1.8706 72926	- 5.3070 76804	- 1.2775 11283

TRCN 000009 6831	NM_145625 .1-1355slcl	757 05	Eif4b	0.306 41726 9	2.728 28844	0.159 84272 4	1.427 26274 9	3.649 50442 8	0.068 60630 4	2.432 66154 1	1.8677 00572	3.8655 15047	- 1.2825 35611
TRCN 000019 1106	NM_026507 .2-516slcl	680 14	Zwilch	0.126 19895 6	2.727 73683 7	0.876 42813 8	0.261 93066 9	3.648 76657 4	0.376 17286 3	0.446 44103 9	1.8674 08859	1.4105 32319	- 1.1634 58443
TRCN 000018 9525	NM_016903 .2-308slcl	138 85	Esd	0.379 40863 1	2.725 72619 5	0.040 61503 2	2.207 52209 2	3.646 07703 2	0.017 43243 1	3.762 55464 8	1.8663 45042	5.8420 82447	- 1.9117 12536
TRCN 000007 8810	NM_172665 .1-1419slcl	228 026	Pdk1	0.081 96294 1	2.724 27019 7	0.245 89324 3	0.363 91368 1	3.644 12941 1	0.105 54015 9	0.620 26338	1.8655 74193	3.2441 36028	- 0.6890 47144
TRCN 000003 1261	NM_008607 .1-1039slcl	173 86	Mmp13	0.464 05872 9	2.722 99205 7	0.174 41561 7	1.429 11464 9	3.642 41970 3	0.074 86115 4	2.435 81796 5	1.8648 97168	3.7396 38901	- 1.2844 06321
TRCN 000019 3697	NM_145975 .2-3346slcl	212 880	Ddx46	0.072 83798 7	2.720 01762 1	1.631 46469 1	0.218 85936 9	3.638 44093 9	0.700 24308 5	0.373 02924 7	1.8633 20392	0.5140 72262	- 1.4226 39345
TRCN 000009 7497	NM_178891 .3-146slcl	998 90	Prmt6	0.634 80066 5	2.712 50855	0.251 72721 7	0.954 29559 2	3.628 39640 3	0.108 04416 7	1.626 52474 9	1.8593 32079	3.2103 06911	- 0.7017 92775
TRCN 000007 8809	NM_172665 .1-396slcl	228 026	Pdk1	0.054 19161 3	2.711 51622 8	0.027 32693 7		3.627 06902 1	0.011 72903	1.704 42446 1	1.8588 04199	6.4137 72472	- 0.7692 84661
TRCN 000012 6200	NM_025661 .1-579slcl	666 12	Ormdl3	0.164 99532 2	2.702 38004 5	0.429 24422 1	0.282 02785 4	3.614 84797 3	0.184 23647 1	0.480 69517 3	1.8539 34974	2.4403 69411	- 1.0568 0578
TRCN 000011 1488	NM_008581 .1-538slcl	172 76	Mela	0.111 62997 6	2.696 89907 3	0.100 14871 9	13.28 54971 6	3.607 51633 3	0.042 98496 2	22.64 41263 3	1.8510 05926	4.5400 24157	- 4.5010 64972
TRCN 000010 0281	NM_177336 .2-3100slcl	218 878	UNK	0.191 96083 9	2.696 88572 2	0.535 82946 7	0.699 93482 1	3.607 49847 4	0.229 98406 4	1.192 98603	1.8509 98784	2.1203 942	- 0.2545 77149
TRCN 000007 7797	NM_007635 .2-951slcl	124 52	Ccng2	0.204 91513 9	2.695 30396 3	0.624 27535 3	0.024 02054	3.605 38262 8	0.267 94603 7	0.040 94119 6	1.8501 52376	1.8999 85614	- 4.6103 02948
TRCN 000018 2767	NM_177770 .2-1123slcl	270 185	BC0439 34	0.339 66328 8	2.695 01113 8	0.828 42402 6	5.754 68275 4	3.604 99093	0.355 56895 5	9.808 42204 9	1.8499 9563	1.4917 98727	- 3.2940 21058
TRCN 000004 2138	NM_008898 .1-1949slcl	189 84	Por	0.436 53199 6	2.690 63178 5	0.332 41954 8	0.154 69351 8	3.599 13287 4	0.142 67822 7	0.263 66341 5	1.8476 49365	2.8091 62901	- 1.9232 30691
TRCN 000002 3483	NM_007912 .1-1535slcl	136 49	Egfr	0.040 11726	2.682 70676 1	1.108 93773 8	0.120 69182 5	3.588 53193 8	0.475 96861 1	0.205 71009 8	1.8433 93761	1.0710 6166	- 2.2813 1548
TRCN 000020 0278	NM_172443 .1-2398slcl	207 592	Tbc1d1 6	0.270 14508 4	2.677 70629 7	0.036 31918 6		3.581 84304 9	0.015 58860 5	1.704 42446 1	1.8407 02122	6.0033 64346	- 0.7692 84661
TRCN 000007 7339	NM_011940 .1-1272slcl	263 88	Ifi202b	0.256 34900 6	2.675 16218 4	1.003 94368 2	0.021 81774 6	3.578 43990 8	0.430 90397 5	0.037 1867	1.8393 30753	1.2145 61687	- 4.7490 69448
TRCN 000011 1507	NM_033075 .2-1447slcl	110 956	D17H6 S56E-5	0.126 52034 8	2.672 26932 8	0.013 60554 4	34.32 89907 8	3.574 57026 9	0.005 83965 3	58.51 11716	1.8377 69813	7.4199 0161	- 5.8706 40201
TRCN 000009 9475	NM_054074 .1-144slcl	116 746	Defb6	0.114 38527 4	2.670 19128 7	0.180 82736 3		3.571 79057 1	0.077 61314 8	1.704 42446 1	1.8366 47491	3.6875 5512	- 0.7692 84661
TRCN 000003 4354	NM_009025 .1-1853slcl	194 14	Rasa3	0.369 62586 2	2.661 91900 4	0.051 43740 6	9.359 18806 4	3.560 72512 3	0.022 07751 6	15.95 20290 7	1.8321 71068	5.5012 78332	- 3.9956 68039
TRCN 000009 9706	NM_020561 .1-270slcl	573 19	Smpd3 a	0.167 38295 1	2.654 19882 6	0.591 26914	0.026 51954 3	3.550 39820 1	0.253 77939 8	0.045 20055 7	1.8279 80842	1.9783 53141	- 4.4675 15629
TRCN 000010 0437	NM_133685 .1-218slcl	106 572	Rab31	0.531 04469 9	2.647 46303 8	0.115 31474 8	1.582 58950 3	3.541 38805 1	0.049 49439 3	2.697 40426 1	1.8243 14937	4.3365 91091	- 1.4315 71755
TRCN 000017 6368	NM_198161 .1-406slcl	702 37	Bhlhb9	0.024 24235 7	2.646 79933 3	0.029 97771		3.540 50024 3	0.012 86677 2	1.704 42446 1	1.8239 53215	6.2802 06015	- 0.7692 84661

TRCN 000005 5107	NM_010828 .1-707slcl	176 84	Cited2	0.011 79605 8	2.644 50493 3	0.278 65636 3	2.207 52209	3.537 43113 1	0.119 60246 1	3.762 55464 8	1.8227 02061	3.0636 81023	- 1.9117 12536
TRCN 000009 6134	NM_008667 .2-1696slcl	179 36	Nab1	0.014 27193 6	2.644 50493 3	1.059 49065 1	106.8 14479 6	3.537 43113 1	0.454 74536 2	182.0 57211 8	1.8227 02061	1.1368 6917	- 7.5082 48081
TRCN 000011 9301	NM_019397 .1-1456slcl	541 56	Egfl6	0.038 53852 5	2.644 50493 3	0.278 65636 3	7.037 61044 9	3.537 43113 1	0.119 60246 1	11.99 50753 9	1.8227 02061	3.0636 81023	- 3.5843 70321
TRCN 000012 0073	NM_007998 .3-1199slcl	141 51	Fech	0.125 78822 2	2.635 27621 4	1.806 96729 7	0.009 35846 2	3.525 08630 4	0.775 57078 7	0.015 95079 2	1.8176 58579	0.3666 69631	- 5.9702 28111
TRCN 000018 1096	NM_026162 .2-899slcl	674 48	Plxdc2	1.449 19234 3	2.634 38080 2	0.446 75779 6	0.375 56720 3	3.523 88855 2	0.191 75349 5	0.640 12592 7	1.8171 68298	- 2.3826 75218	- 0.6435 72352
TRCN 000008 0841	XM_284491 .4-1238slcl	736 99	Ppp2r1 b	0.228 74979 5	2.624 13633 4	1.107 22362 9	0.455 94923	3.510 18500 4	0.475 23289 6	0.777 13102	1.8115 4707	1.0732 9339	- 0.3637 70245
TRCN 000009 3046	NM_016750 .1-452slcl	517 88	H2afz	0.450 13377 4	2.623 21267 1	0.026 16990 2	1	3.508 94946 3	0.011 23241 8	1.704 42446 1	1.8110 3917	6.4761 87684	0.7692 84661
TRCN 000018 7469	XM_484705 .1-489slcl	135 10	Dsg1a	0.070 01357 7	2.618 27114 2	0.031 18782 6	1	3.502 33941 7	0.013 38616 7	1.704 42446 1	1.8083 18902	6.2231 1323	0.7692 84661
TRCN 000000 8515	XM_207062 .2-1626slcl	193 740	Hspa1a	0.047 71666	2.617 90589 5	0.381 98470 1	1.603 76104 5	3.501 85083 6	0.163 95215 1	2.733 48955 4	1.8081 17633	2.6086 53265	1.4507 43862
TRCN 000002 3203	NM_015806 .2-2137slcl	507 72	Mapk6	0.019 11384 2	2.617 90589 5	0.381 98470 1	1.603 76104 5	3.501 85083 6	0.163 95215 1	2.733 48955 4	1.8081 17633	2.6086 53265	1.4507 43862
TRCN 000007 1287	NM_009278 .1-252slcl	208 23	Ssb	0.028 39935 3	2.617 90589 5	2.843 84676 1	0.377 61076 4	3.501 85083 6	1.220 61117 3	0.643 60902 2	1.8081 17633	0.2876 03701	0.6357 43545
TRCN 000007 8808	NM_172665 .1-1706slcl	228 026	Pdk1	0.353 46864 7	2.613 85851 5	0.211 25966 2	0.022 36466 4	3.496 43684 5	0.090 67503 5	0.038 11888 1	1.8058 85446	3.4631 50797	4.7133 50432
TRCN 000008 6179	NM_009366 .1-418slcl	218 07	Tsc22d 1	0.191 79598 1	2.611 76763 7	2.244 41138 7	0.203 79128 4	3.493 63997 4	0.963 32673 5	0.347 34684 3	1.8047 30944	0.0539 0289	- 1.5255 51112
TRCN 000010 1539	NM_011060 .1-979slcl	186 01	Padi3	0.231 18508 2	2.596 76230 9	1.153 22556 6	0.032 05120 9	3.473 56804 6	0.494 97744 7	0.054 62886 4	1.7964 1836	1.0145 65302	4.1941 92765
TRCN 000019 2413	NM_172943 .2-1741slcl	268 420	Alkbh5	0.258 29176 6	2.596 33185 8	0.378 05678 9	0.989 4724 9	3.472 99225 2	0.162 26624 7	1.686 48096 1	1.7961 79192	2.6235 65159	0.7540 16032
TRCN 000009 6440	NM_010657 .2-3831slcl	166 56	Hivep3	0.493 16371 4	2.594 79028 4	0.066 64061 4	3.467 87658 4	3.470 93015 9	0.028 60290 5	5.910 73367 7	1.7953 22336	5.1276 94514	2.5633 37218
TRCN 000009 6761	NM_183029 .1-970slcl	319 765	Igf2bp2	0.255 04386 2	2.588 02959 6	1.252 82251 9	1.137 96453 7	3.461 88670 2	0.537 72558 5	1.939 57459 2	1.7915 5851	0.8950 57978	0.9557 4026
TRCN 000009 6639	NM_021878 .2-4748slcl	164 68	Jarid2	0.097 28138 2	2.587 33816 5	0.047 47879 7	28.16 92470 2	3.460 96180 6	0.020 37843 6	48.01 23536 6	1.7911 73021	5.6168 12827	5.5853 33756
TRCN 000007 0633	NM_013601 .1-771slcl	177 02	Msx2	0.123 16201 8	2.572 21734 4	1.707 65575 5	0.066 39078 2	3.440 73538 9	0.732 94515 1	0.113 15807 2	1.7827 16945	0.4482 22855	3.1435 88588
TRCN 000010 0248	NM_028680 .2-591slcl	739 16	Ift57	0.191 22787 4	2.569 64748 4	0.388 10845 1	1.355 05966 6	3.437 29780 6	0.166 58053 4	2.309 59684 1	1.7812 74852	2.5857 08274	1.2076 41039
TRCN 000009 2586	XM_110701 .2-495slcl	194 597	Tmprss 11a	0.284 06857 9	2.563 85057 3	0.031 95526 6	5.218 69960 6	3.429 54354 9	0.013 71556 1	8.894 87926 2	1.7780 16575	6.1880 4253	3.1529 75023
TRCN 000007 7772	NM_007630 .1-574slcl	124 42	Ccnb2	0.254 27720 3	2.563 66148 4	0.247 16373 6	0.571 02019 7	3.429 29061 4	0.106 08546 9	0.973 26079 1	1.7779 1017	3.2367 01036	0.0391 0166
TRCN 000004 1008	NM_019927 .1-320slcl	238 06	Arlh1	0.503 54407 9	2.561 68196 4	1.548 66082 5	0.338 16859 3	3.426 64270 1	0.664 70273 1	0.576 38282 1	1.7767 95769	0.5892 18815	0.7949 00757

TRCN 000011 1213	NM_011521 .1-283slcl	209 71	Sdc4	0.410 68934 2	2.560 58702 5	0.019 10466 1	1.252 72882 5	3.425 17805 3	0.008 19993 6	2.135 18165 1	1.7761 78986	6.9301 71547	- 1.0943 58813
TRCN 000007 9418	NM_022004 .5-825slcl	590 95	Fxyd6	0.119 63884	2.555 05833 5	0.887 04385 1	1.070 14467 4	3.417 78258 1	0.380 72924 7	1.823 98075 9	1.7730 60624	1.3931 62697	- 0.8670 9051
TRCN 000009 8303	NM_011824 .3-567slcl	238 92	Grem1	0.191 07447	2.552 75851 7	1.345 64832 7	1.076 48387 7	3.414 70621 2	0.577 56747 1	1.834 78545 2	1.7717 6146	0.7919 38603	- 0.8756 11373
TRCN 000003 9424	NM_133975 .2-3770slcl	148 97	Trip12	0.229 09673 6	2.549 98985 2	0.297 88809 3	0.228 42916 7	3.411 00270 7	0.127 85693 7	0.389 34024 8	1.7701 959	2.9673 97662	- 1.3608 96604
TRCN 000011 0718	NM_009674 .1-1133slcl	117 50	Anxa7	0.137 05668 2	2.540 31603 3	1.775 86738 9	0.661 69145 9	3.398 06249 1	0.762 22235 2	1.127 80310 9	1.7647 12384	0.3917 1618	- 0.1735 15225
TRCN 000011 2352	NM_028876 .1-715slcl	731 30	Tmed5	0.081 67820 9	2.532 81362 5	1.882 05255 7	0.009 06754 1	3.388 02686 8	0.807 79823 9	0.015 45493 9	1.7604 45316	0.3079 33111	- 6.0157 8823
TRCN 000007 1640	NM_019410 .2-344slcl	186 45	Pfn2	0.150 25530 9	2.529 05266 5	1.046 74517 9	0.166 53820 6	3.382 99600 7	0.449 27486 2	0.283 85179 2	1.7583 01474	1.1543 29754	- 1.8167 90243
TRCN 000008 0723	NM_019926 .1-2697slcl	177 72	Mtm1	0.886 48305 1	2.528 13291 3	0.431 15481 4	1.629 87015 4	3.381 76569 7	0.185 05651 9	2.777 99055 8	1.7577 76707	2.4339 62135	- 1.4740 41696
TRCN 000020 1076	NM_025335 .1-776slcl	660 74	061004 1E09Ri k	0.325 66925 2	2.511 66317 8	0.390 45247 8	0.166 09674 7	3.359 7349	0.167 58661 7	0.283 09934 7	1.7483 47402	2.5770 21153	- 1.8206 19672
TRCN 000011 4257	NM_012031 .1-1085slcl	269 42	Spag1	0.114 95658 5	2.506 89525 2	0.005 20516	88.97 20865 1	3.353 35706 8	0.002 23411 3	151.6 46200 6	1.7456 0611	8.8060 8181	- 7.2445 65542
TRCN 000002 6763	NM_144847 .1-491slcl	223 649	Nrbp2	0.456 44329 1	2.506 20113 7	0.031 39012 1	1.905 94611	3.352 42858 2	0.013 47299 5	3.248 54117	1.7452 06598	6.2137 85632	- 1.6997 91989
TRCN 000006 6904	NM_207648 .1-123slcl	110 557	H2-Q6	0.529 36651 1	2.505 03011 5	0.040 48052 1	14.40 47056	3.350 86216 1	0.017 37469 7	24.55 17325 8	1.7445 32342	5.8468 68357	- 4.6177 52932
TRCN 000017 4767	NM_172604 .1-1512slcl	219 151	Scara3	1.079 26788 6	2.501 07447 4	0.044 0441	8.314 72622 5	3.345 57088 4	0.018 90422 5	14.17 18227 6	1.7422 52411	5.7251 47458	- 3.8249 53423
TRCN 000004 1745	NM_010699 .1-603slcl	168 28	Ldha	0.118 76658	2.493 02433 5	0.335 50376 1	0.487 76184 5	3.334 80258 8	0.144 00200 6	0.831 35321 9	1.7376 0136	2.7958 39183	- 0.2664 66527
TRCN 000000 8464	NM_007597 .2-634slcl	123 30	Canx	0.269 93460 6	2.490 63321 1	0.302 74294 7	2.316 04032 3	3.331 60409 2	0.129 94069 5	3.947 51577 9	1.7362 1697	2.9440 74773	- 1.9809 45033
TRCN 000005 4575	NM_011349 .2-652slcl	203 50	Sema3f	0.124 50435 8	2.486 57068 1	0.018 54112 8	24.62 98978 3	3.326 16983 5	0.007 95806 2	41.97 98003 3	1.7338 61835	6.9733 67162	- 5.3916 234
TRCN 000012 0046	NM_024433 .1-519slcl	669 02	Mtap	0.078 93339 8	2.485 34208 4	0.258 30343 2	0.022 61797 8	3.324 52639 8	0.110 86675 3	0.038 55063 5	1.7331 48833	3.1731 0131	- 4.6971 01547
TRCN 000010 0538	NM_173413 .2-253slcl	235 442	Rab8b	0.307 20100 8	2.482 80768 2	0.608 55632 5	0.009 89742 1	3.321 13624 6	0.261 19925 3	0.016 86940 7	1.7316 76909	1.9367 77324	- 5.8894 46907
TRCN 000011 9646	NM_011171 .1-712slcl	191 24	Procr	0.049 44392 6	2.480 67616 6	0.061 69672 6	3.318 28501 7	0.026 48093 2	1.704 42446 1	1.7304 37809	5.2389 02276	- 0.7692 84661	
TRCN 000006 8166	NM_133654 .1-1031slcl	124 90	Cd34	0.236 57356 9	2.478 46180 6	1.292 88701 8	0.004 70451 8	3.315 32297 1	0.554 92172 1	0.008 01849 6	1.7291 49421	0.8496 4382	- 6.9624 52585
TRCN 000007 0386	NM_177263 .3-1742slcl	320 799	Zhx3	0.307 29601 4	2.468 90029 9	0.036 44264 4	44.82 55196	3.302 53298 7	0.015 64159 5	76.40 17120 7	1.7235 72972	5.9984 68587	- 6.2555 33063
TRCN 000011 2789	NM_008536 .2-692slcl	171 12	Tm4sf1	0.553 47207 7	2.467 32068 5	0.512 53948 2	2.493 36692	3.300 42001 1	0.219 98773 9	4.249 75556 8	1.7226 49634	2.1845 04979	- 2.0873 79865
TRCN 000003 9177	NM_029669 .2-93slcl	765 94	Dnajc1 8	0.336 28863 3	2.466 56459 6	0.538 56705 8	0.413 47705 1	3.299 40862 7	0.231 15906 9	0.704 74039 9	1.7222 07465	2.1130 42133	- 0.5048 36176

TRCN 000008 1034	XM_354809 .1-188s1c1	723 91	Cdkn3	0.311 28903 1	2.459 22497 3	1.741 26203 7	0.702 38037	3.289 59075 4	0.747 36934 7	1.197 15428 3	1.7179 08115	0.4201 06701	0.2596 09091
TRCN 000007 1829	NM_009524 .2-885s1c1	224 18	Wnt5a	0.150 01368 7	2.458 73309 1	0.845 36356 9	0.631 55148 6	3.288 93278 7	0.362 83959 9	1.076 43180 1	1.7176 19525	1.4625 96181	0.1062 56918
TRCN 000007 6187	NM_172015 .1-1811s1c1	105 148	Iars	0.099 21776 2	2.457 42362 2	0.050 66424 9	0.781 11937 5	3.287 18117 2	0.021 74566 8	1.331 35896 9	1.7168 50972	5.5231 28146	0.4128 99612
TRCN 000018 3272	NM_029523 .2-2209s1c1	761 31	Depdc1 a	0.470 03911 3	2.456 82744	0.004 70319 7	98.08 84506 9	3.286 38368 7	0.002 01866 5	167.1 84354 7	1.7165 00925	8.9523 82472	7.3852 96034
TRCN 000007 1048	NM_007626 .2-1446s1c1	124 19	Cbx5	0.241 67769 5	2.456 79563	0.528 54395 2	0.645 72335 2	3.286 34113 5	0.226 85703 8	1.100 58667 5	1.7164 82246	2.1401 44675	0.1382 72767
TRCN 000008 8834	NM_011499 .1-458s1c1	209 01	Strap	0.075 20132 9	2.456 74942	0.634 51836 4	0.008 21205 1	3.286 27932 3	0.272 34245 3	0.013 99682 1	1.7164 5511	1.8765 06204	6.1587 57008
TRCN 000008 8836	NM_011499 .1-716s1c1	209 01	Strap	0.046 79807 2	2.454 02427 2	1.105 88415 2	0.204 75139 9	3.282 63401 9	0.474 65797 7	0.348 98329 2	1.7148 53913	1.0750 39765	1.5187 70127
TRCN 000003 0753	NM_016808 .1-754s1c1	533 76	Usp2	0.058 26299 6	2.453 60034 3	5.507 95614 2	0.034 06183 8	3.282 06694 9	2.364 07703 1	0.058 05583	1.7146 04668	1.2412 77045	4.1064 15242
TRCN 000003 4429	NM_008142 .2-1481s1c1	146 88	Gnb1	0.414 13000 8	2.452 19518	0.368 89781 9	0.046 00696 4	3.280 18732 8	0.158 33511 4	0.078 41539 5	1.7137 78208	2.6589 46862	3.6727 19275
TRCN 000003 1259	NM_008607 .1-2043s1c1	173 86	Mmp13	0.402 97708 2	2.452 17162 6	0.416 69981 2	0.005 94220 2	3.280 15582 1	0.178 85226 9	0.010 12803 4	1.7137 64351	2.4831 59674	6.6255 02028
TRCN 000002 5209	NM_177326 .1-686s1c1	224 105	Pak2	0.106 69396 9	2.452 11159 7	1.192 32390 1	3.773 77245 2	3.280 07552 3	0.511 75889 5	6.432 11007 7	1.7137 29033	0.9664 63822	2.6852 92097
TRCN 000004 2599	NM_007670 .2-497s1c1	125 79	Cdkn2b	0.224 53249 5	2.450 34135 7	0.926 67637 6	2.735 82620 8	3.277 70755 5	0.397 73997 4	4.663 00910 9	1.7126 87139	1.3301 02529	2.2212 61248
TRCN 000002 3999	XM_139298 .4-990s1c1	105 787	Prkaa1	0.173 58676 8	2.450 27908	0.499 88048 5	2.067 12889 6	3.277 62425	0.214 55435 4	3.523 26505 4	1.7126 50472	2.2205 84916	1.8169 13012
TRCN 000004 1814	NM_008638 .1-319s1c1	177 68	Mthfd2	1.540 92812 8	2.449 89866 9	0.324 85604 8	1.304 73298 3	3.277 11539 2	0.139 43188 8	2.223 81881 1	1.7124 26473	2.8423 67557	1.1530 39247
TRCN 000010 1543	NM_133699 .1-1004s1c1	687 75	Atp6v1 c2	0.203 38636 8	2.449 05029 4	0.075 64758 1	0.416 48094	3.275 98056	0.032 46879 7	0.709 86030 2	1.7119 26796	4.9448 02266	0.4943 92959
TRCN 000007 9393	NM_011404 .2-3359s1c1	205 39	Slc7a5	0.912 73743 6	2.448 76445 7	0.456 36872 6	1.236 97762 1	3.275 59820 9	0.195 87861 5	2.108 33491 4	1.7117 58404	2.3519 68192	1.0761 04061
TRCN 000010 3295	NM_008182 .2-305s1c1	148 58	Gsta2	0.008 59384	2.446 16984 5	0.378 80269 9	4.081 54788 2	3.272 12751 8	0.162 5864	6.956 69004 8	1.7102 28972	2.6207 21512	2.7984 01044
TRCN 000002 5681	NM_153533 .1-761s1c1	209 039	Tenc1	0.555 53352 6	2.446 06624 8	0.175 69946 1	0.745 40716 1	3.271 98894	0.075 41219 5	1.270 49019 9	1.7101 67872	3.7290 58354	0.3453 85246
TRCN 000011 1063	NM_008576 .2-4195s1c1	172 50	Abcc1	0.524 90010 1	2.442 23394 2	0.430 33838 8	1.021 73630 2	3.266 86264 3	0.184 7061	1.741 47234 5	1.7079 05797	2.4366 96582	0.8003 07563
TRCN 000007 0984	NM_011623 .1-2898s1c1	219 73	Top2a	0.191 68554 8	2.438 44225 4	0.010 63287 9	78.12 50691 6	3.261 79067 9	0.004 56375 2	133.1 58278 9	1.7056 64202	7.7755 63995	7.0569 98318
TRCN 000002 3202	NM_015806 .2-1490s1c1	507 72	Mapk6	0.126 05124 1	2.438 25227 5	1.378 19074 1	0.012 11500 2	3.261 53655 3	0.591 53504 3	0.020 64910 6	1.7055 51797	0.7574 64457	5.5977 76883
TRCN 000007 0757	NM_010450 .1-75s1c1	153 96	Hoxa11	0.084 84378	2.438 09769 3	0.011 74658 8	1.603 76104 5	3.261 32977 6	0.005 04176 8	2.733 48955 4	1.7054 60329	7.6318 54505	1.4507 43862
TRCN 000007 7218	NM_019743 .2-2270s1c1	563 53	Rybp	0.324 24572 6	2.437 90312 4	0.259 09146 8	0.964 63107 5	3.261 06951	0.111 20498 7	1.644 1408	1.7053 45193	3.1687 06613	0.7173 33853

TRCN 000012 5738	NM_027399 .1-333s1c1	703 58	Steap1	0.460 50434 9	2.427 96135 9	0.516 65064 6	1.218 08704 8	3.247 77087 4	0.221 75229 7	2.076 13735 9	1.6994 49856	2.1729 79047	- 01897	1.0539
TRCN 000011 2831	NM_021375 .2-1010s1c1	581 76	Rhbg	0.029 73228 2	2.427 63219 9	0.100 69570 2	0.471 50768 4	3.247 33057 2	0.043 21973 3	0.803 64923 1	1.6992 54256	4.5321 66016	- 6215	0.3153
TRCN 000011 2295	NM_011348 .1-3491s1c1	203 49	Sema3e	0.059 76287 6	2.423 53437 9	1.323 13587 3	0.022 22538 8	3.241 84910 8	0.567 90487 2	0.037 88148 2	1.6968 16942	0.8162 78807	- 63435	4.7223
TRCN 000010 5877	NM_019653 .2-602s1c1	788 89	Wsb1	0.189 03235 1	2.421 48047 5	1.849 11467 5	0.118 88978 9	3.239 10169 8	0.793 66091 8	0.202 63866 4	1.6955 93761	0.3334 05329	- 18623	2.3030
TRCN 000002 4993	XM_127444 .3-1458s1c1	697 16	Trip13	0.350 94772 7	2.417 96144 7	0.110 8095 3	2.801 47260 3	3.234 39445 7	0.047 56069 8	4.774 89843 9	1.6934 95636	4.3940 86546	- 70045	2.2554
TRCN 000009 0168	NM_172840 .2-3186s1c1	240 675	Vwa2	0.426 99209 9	2.416 32967 4	0.636 10199 9	2.140 85293 9	3.232 21170 9	0.273 02216 8	3.648 9221 2	1.6925 21698	1.8729 10002	- 70352	1.8674
TRCN 000009 0170	NM_172840 .2-2506s1c1	240 675	Vwa2	0.041 75641 8	2.410 13759 7	0.574 16722 2	0.112 01041 4	3.223 92885 6	0.246 43906 1	0.190 91329 1	1.6888 19908	2.0206 9715	- 10558	2.3890
TRCN 000008 0229	NM_183284 .1-242s1c1	699 82	Spink2	0.009 57191 4	2.409 12279 5	9.991 24984 3	0.021 95195 3	3.222 57140 3	4.288 35736 1	0.037 41544 5	1.6882 12325	2.1004 25135	- 22259	4.7402
TRCN 000003 0751	NM_016808 .1-457s1c1	533 76	Usp2	0.109 40170 1	2.406 05533 3	0.306 27231 1	3.218 46820 1	0.131 45553 8	1.704 42446 1	1.6863 74215	2.9273 53177	- 84661	0.7692	
TRCN 000012 0421	NM_177420 .1-156s1c1	107 272	Psat1	0.479 83499 2	2.404 97160 3	0.185 4978 9	8.523 85549 9	3.217 01854 7	0.079 61775 2	14.52 82678 1	1.6857 24254	3.6507 66046	- 90797	3.8607
TRCN 000018 2229	NM_013768 .1-1846s1c1	273 74	Prmt5	0.174 44599 7	2.395 35883 4	2.500 93600 4	0.973 21960 8	3.204 15999 4	1.073 1.073 43	1.658 77930 5	1.6799 46188	0.1022 28114	- 21954	0.7301
TRCN 000011 2985	NM_001009 818.1- 3609s1c1	523 98	39335	0.126 95649 6	2.394 82313 5	2.412 55308 2	0.320 13747 8	3.203 44341 5	1.035 49505 1	0.545 65014 8	1.6796 23507	0.0503 20658	- 51853	0.8739
TRCN 000002 5499	NM_008828 .1-1175s1c1	186 55	Pgk1	2.133 91996 4	2.389 00645 4	0.089 04421 2	0.092 52840 7	3.195 66271 1	0.038 21878 2	0.157 70768 2	1.6761 15146	4.7095 74374	- 75179	2.6646
TRCN 000011 2050	NM_019796 .2-1858s1c1	564 03	Syncrip	0.368 25753 1	2.385 71355 8	0.249 22476 8	2.107 90492 2	3.191 25795 7	0.106 97008 7	3.592 76471 1	1.6741 2523	3.2247 20674	- 94457	1.8450
TRCN 000004 1959	NM_170778 .1-374s1c1	995 86	Dpyd	0.580 73641 6	2.371 21414 7	0.004 38580 4	247.9 04471 1	3.171 86277 8	0.001 88243 7	422.5 34444 5	1.6653 30355	9.0531 82808	- 25143	8.7229
TRCN 000017 5503	NM_009009 .2-138s1c1	193 57	Rad21	0.078 63627 1	2.370 39043 1	0.100 38777 9	0.078 31472 9	3.170 76092 4	0.043 08756 9	0.133 48153 9	1.6648 29102	4.5365 84471	- 8787	2.9052
TRCN 000011 0717	NM_009674 .1-1132s1c1	117 50	Anxa7	0.100 82656 1	2.366 49717 3	1.632 95465 7	0.853 21690 7	3.165 55309 3	0.700 88259 3	1.454 24376 7	1.6624 57593	0.5127 55301	- 69121	0.5402
TRCN 000018 9968	NM_001033 312.1- 2016s1c1	231 863	Fbxl18	0.153 37202 7	2.366 49717 3	0.698 01015 9	1.124 80074 7	3.165 55309 3	0.299 59385 7	1.917 13790 7	1.6624 57593	1.7389 20087	- 54119	0.9389
TRCN 000007 6874	NM_013737 .2-470s1c1	272 26	Pla2g7	0.119 16079 4	2.357 13912 4	3.223 66733 6	0.034 12780 7	3.153 03526 7	1.383 63445 6	0.058 16826 9	1.6567 41307	0.4684 62846	- 23827	4.1036
TRCN 000010 6374	NM_009396 .1-256s1c1	219 28	Tnfaip2	0.861 81006 7	2.353 9739 9	0.008 30164 9	94.22 71383 3	3.148 80129 4	0.003 56316 2	160.6 03039 4	1.6548 02719	8.1326 26304	- 55386	7.3273
TRCN 000008 1923	NM_016791 .2-2134s1c1	180 18	Nfatc1	0.121 72694 8	2.352 76070 2	0.021 37545 7	15.87 26217 7	3.147 17845 5	0.009 17458 8	27.05 36848 3	1.6540 58987	6.7681 40952	- 53202	4.7577
TRCN 000007 6555	NM_183405 .1-322s1c1	333 182	Cox6b2	0.344 54341 5	2.350 79470 3	0.479 96346 4	0.315 20768 6	3.144 54863 1	0.206 00574 3	0.537 24769 1	1.6528 52947	2.2792 43534	- 40719	0.8963
TRCN 000002 9951	NM_008981 .1-2712s1c1	192 70	Ptprg	0.661 29088 4	2.346 24538 1	0.387 36253 7	1.081 21595 6	3.138 46321 3	0.166 26037 9	1.842 85092 3	1.6500 58299	2.5884 8369	- 39369	0.8819

TRCN 000011 1625	NM_177333 .2-1099s1c1	211 446	Exoc3	0.208 32876 8	2.345 22144	0.684 89481 8	1.694 03210 9	3.137 09353 6	0.293 96459 7	2.887 34976 4	1.6494 28545	- 1.7662 85676	- 1.5297 45882
TRCN 000002 4990	XM_127444 .3-671s1c1	697 16	Trip13	0.019 54602 6	2.343 08097	0.035 89731 3		3.134 23032 9	0.015 40753 3	1.704 42446 1	1.6481 11205	- 6.0202 20339	- 0.7692 84661
TRCN 000009 7005	NM_010436 .2-215s1c1	152 70	H2afx	0.084 80773 9	2.337 07253 8	0.981 40722 2	1.655 36913 1	3.126 19312 9	0.421 23107 2	2.821 45163 9	1.6444 06908	- 1.2473 16234	- 1.4964 37621
TRCN 000009 3362	NM_025664 .2-1008s1c1	666 16	Snx9	0.038 86469 5	2.336 37679 2	1.850 73675 3	0.009 02169 6	3.125 26246 2	0.794 35713 3	0.015 37679 9	1.6439 77354	- 0.3321 40325	- 6.0231 01016
TRCN 000012 0819	NM_178804 .2-1387s1c1	205 63	Slit2	0.275 17327 1	2.336 34634 2	1.238 80126 3	0.256 48807 3	3.125 22173 1	0.531 70750 4	0.437 16454 5	1.6439 58551	- 0.9112 95268	- 1.1937 51694
TRCN 000017 3739	NM_172604 .1-1437s1c1	219 151	Scara3	0.450 38790 4	2.327 44363 6	0.341 91081 9	2.565 37555 3	3.113 31299 5	0.146 75198 8	4.372 48884 4	1.6384 50625	- 2.7685 48047	- 2.1284 54703
TRCN 000011 0522	NM_008662 .1-960s1c1	179 20	Myo6	0.484 54825 5	2.327 13683 8	0.146 04373	2.356 92145 1	3.112 90260 5		4.017 19457 2	1.6382 60439	- 3.9957 67698	- 2.0061 8834
TRCN 000008 9970	NM_016674 .2-298s1c1	127 37	Cldn1	0.476 95617 4	2.325 33110 8	0.903 67472 9	1.341 25726 1	3.110 48716 5	0.387 86740 7	2.286 07168 4	1.6371 40553	- 1.3663 64544	- 1.1928 70643
TRCN 000002 3199	NM_015806 .2-1056s1c1	507 72	Mapk6	0.779 75493 4	2.319 30883 5	0.087 24914 4	2.752 63494 4	3.102 43145 1	0.037 44831 9	4.691 65832 9	1.6333 99334	- 4.7389 55248	- 2.2300 97953
TRCN 000001 2761	NM_008279 .1-1226s1c1	264 11	Map4k1	0.459 49052 8	2.319 25657 4	0.270 81887 9	0.075 14494 3	3.102 36154 3	0.116 23852 4	0.128 07887 9	1.6333 66825	- 3.1048 39808	- 2.9648 95504
TRCN 000010 9652	NM_011821 .1-1327s1c1	238 88	Gpc6	0.183 87770 6	2.318 89720 4	2.644 69338 3	0.129 08007 2	3.101 88083 1	1.135 13229 2	0.220 00723 2	1.6331 43261	- 0.1828 60444	- 2.1843 77148
TRCN 000008 0418	NM_027548 .1-1323s1c1	116 872	Serp1nb 7	0.344 59185 5	2.316 48220 4	2.528 81598 4	0.145 94939	3.098 65039 8	1.085 39640 3	0.248 75971	1.6316 39993	- 0.1182 22033	- 2.0071 75255
TRCN 000007 7164	NM_138599 .2-1605s1c1	281 85	Tomm7 0a	0.301 70966 6	2.315 47953 1	0.079 05811 8		3.097 30916 8	0.033 93263 8	1.704 42446 1	1.6310 15398	- 4.8811 8261	- 0.7692 84661
TRCN 000008 0422	NM_027548 .1-896s1c1	116 872	Serp1nb 7	1.160 45498 5	2.313 06061 8	0.142 56664 3	0.525 26245	3.094 07350 1	0.061 19121 5	0.895 27016 9	1.6295 07469	- 4.0305 3165	- 0.1596 04979
TRCN 000007 9397	NM_011404 .2-866s1c1	205 39	Slc7a5	0.294 47467 5	2.312 22233 7	0.029 68971 4	7.037 61044 9	3.092 95217 3	0.012 74316 1	11.99 50753 9	1.6289 84525	- 6.2941 33039	- 3.5843 70321
TRCN 000011 4172	NM_026438 .2-777s1c1	678 95	Ppa1	0.450 51436 2	2.311 99054	0.436 52434 7	0.502 45195 4	3.092 64210 8	0.187 36118 4	0.856 39140 1	1.6288 39889	- 2.4161 05999	- 0.2236 57784
TRCN 000001 2562	NM_007905 .1-2127s1c1	136 19	Phc1	0.262 66265 3	2.309 54186 3	0.427 59037 8	0.125 52406 3	3.089 36662 7	0.183 52662 3	0.213 94628 3	1.6273 11091	- 2.4459 38735	- 2.2246 79482
TRCN 000003 0634	NM_007798 .1-536s1c1	130 30	Ctsb	0.364 90277	2.309 21517 8	1.246 99916 3	0.135 24191 5	3.088 92963 5	0.535 22613 5	0.230 50962 9	1.6271 07007	- 0.9017 7953	- 2.1171 01079
TRCN 000019 1764	NM_026507 .2-1327s1c1	680 14	Zwilch	0.257 02124 9	2.306 90858 5	0.413 42228 1	0.214 82220 8	3.085 84421 4	0.177 44551 6	0.366 14822 5	1.6256 65231	- 2.4945 51977	- 1.4495 00291
TRCN 000009 8417	NM_009265 .2-155s1c1	207 54	Spr1b	0.141 93617	2.303 91514 1	0.392 64601 6	5.274 56954 1	3.081 84002 3	0.168 52810 8	8.990 10534 5	1.6237 91974	- 2.5689 38861	- 3.1683 38021
TRCN 000017 6813	NM_026515 .1-729s1c1	680 26	281041 7H13Ri k	0.357 00952 2	2.302 01226 1	0.104 10478 3	1.743 20455 2	3.079 29462 9	0.044 68294 9	2.971 16047 9	1.6225 99912	- 4.4841 31775	- 1.5710 2653
TRCN 000010 5432	NM_015749 .1-1276s1c1	214 52	Tcn2	1.113 39758	2.300 93309 6	0.331 09284 6	1.573 10765 2	3.077 85108 1	0.142 10879 2	2.681 24316 1	1.6219 2343	- 2.8149 32284	- 1.4229 02063
TRCN 000009 8684	NM_031159 .2-912s1c1	118 10	Apobec 1	0.174 32295 7	2.299 56885 2	0.185 08919 6	0.416 48094	3.076 02619 4	0.079 44237 5	0.709 86030 2	1.6210 67789	- 3.6539 4744	- 0.4943 92959

TRCN 000008 0840	XM_284491 .4-408s1c1	736 99	Ppp2r1 b	0.015 69313 5	2.294 32471 6	10.32 86766 9	0.042 19883 2	3.069 01135 8	4.433 18477 9	0.071 92472 2	1.6177 73985	2.1483 43496	- 3.7973 68453
TRCN 000017 7984	NM_177267 .3-497s1c1	320 808	Wdr22	0.795 67814 9	2.290 24450 1	0.005 55602 5	246.9 61252 2	3.063 55344 4	0.002 38470 9	420.9 26799 2	1.6152 06019	8.7119 71202	- 8.7174 25554
TRCN 000007 0809	NM_148950 .1-1067s1c1	208 076	Pknox2	1.438 32159 3	2.287 98171 3	0.008 34522 7	0.781 11937 5	3.060 52661 8	0.003 58186 6	1.331 35896 9	1.6137 79916	8.1250 72993	0.4128 99612
TRCN 000009 5865	NM_009534 .1-1577s1c1	226 01	Yap1	0.037 45830 5	2.286 45957 7	1.448 63021 7	0.012 11500 2	3.058 49052 7	0.621 76846 3	0.020 64910 6	1.6128 19808	0.6855 50653	- 5.5977 76883
TRCN 000006 5368	NM_019568 .1-628s1c1	572 66	Cxcl14	0.281 83969 2	2.284 22997 7	0.087 92603 8	7.473 12132 6	3.055 50809 6	0.037 73884 9	12.73 73707 8	1.6114 12303	4.7278 0575	- 3.6709 95605
TRCN 000020 2224	NM_030249 .2-1314s1c1	802 81	Cttnbp2 nl	0.697 44698 3	2.283 72343 5	0.098 81824 6	0.919 39087 6	3.054 83051 8	0.042 41390 5	1.567 03229 8	1.6110 92341	4.5593 1886	0.6480 34915
TRCN 000009 4956	NM_023051 .1-2418s1c1	659 45	Clstn1	0.279 08139 8	2.282 75006 2	1.545 50788 2	0.208 25369 9	3.053 52848 2	0.663 34945 1	0.354 95269 9	1.6104 77302	0.5921 59015	- 1.4943 0131
TRCN 000003 7314	NM_019912 .1-2073s1c1	565 50	Ube2d2	0.074 00757 4	2.280 93104 7	0.348 63748 7	0.173 50150 1	3.051 09526 6	0.149 63915 3	0.295 72020 3	1.6093 27226	2.7404 40419	- 1.7576 95287
TRCN 000008 0816	NM_011851 .2-843s1c1	239 59	Nt5e	0.248 65125 5	2.269 76897 5	0.353 42585 5	2.689 98104 7	3.036 16427 9	0.151 69437 2	4.584 86949 6	1.6022 49853	2.7207 60538	- 2.1968 80669
TRCN 000007 7813	NM_009877 .1-449s1c1	125 78	Cdkn2a	0.397 43798 1	2.269 17477 7	0.910 30192 1	0.187 79614 4	3.035 36945 6	0.390 71187 3	0.320 08434 2	1.6018 72128	1.3558 22997	- 1.6434 75992
TRCN 000002 6102	XM_144956 .2-864s1c1	184 30	Oxtr	0.292 01784 5	2.268 60990 2	2.481 38213 6	0.184 16622 1	3.034 61384 8	1.065 03725 9	0.313 89741 2	1.6015 12946	0.0909 03902	- 1.6716 34961
TRCN 000005 4810	NM_009369 .1-661s1c1	218 10	Tgfb1	0.054 22874 5	2.266 87852 9	0.020 59651 7	16.81 58406 7	3.032 29787 1	0.008 84025 5	28.66 13301 7	1.6004 1148	6.8216 96299	4.8410 33661
TRCN 000001 2268	NM_007609 .1-1170s1c1	123 63	Casp4	0.075 96449 2	2.263 52061 1	0.583 75523 5	1.287 02444 1	3.027 80614 5	0.250 55434 6	2.193 63593 6	1.5982 72838	1.9968 04538	- 1.1333 24111
TRCN 000008 4582	NM_010751 .1-394s1c1	171 19	Mxd1	0.227 15836 5	2.255 66710 5	0.316 88586 9	3.247 06948 2	3.017 30087 1	0.136 01099 6	5.534 38465 1	1.5932 58562	2.8782 04797	- 2.4684 22918
TRCN 000009 2985	NM_178214 .2-253s1c1	319 190	Hist2h2 be	0.269 93460 6	2.251 28796 8	0.040 31703 6	9.727 75136 9	3.011 44310 4	0.017 30452 8	16.58 02173 8	1.5904 55002	5.8527 0662	4.0513 91017
TRCN 000002 8208	NM_022420 .1-3886s1c1	642 97	Gprc5b	0.082 45172 3	2.251 26444 7	0.395 36017 3	0.035 84158 9	3.011 41164 1	0.169 69305 5	0.061 08928 5	1.5904 39929	2.5590 00576	- 4.0329 36944
TRCN 000009 6833	NM_145625 .1-1732s1c1	757 05	Eif4b	0.210 14114 5	2.245 73289 4	4.048 25437 2	0.042 19883 2	3.004 01233 4	1.737 55653 3	0.071 92472 2	1.5868 90736	0.7970 59918	3.7973 68453
TRCN 000011 4260	NM_012031 .1-2659s1c1	269 42	Spag1	0.088 32905 9	2.245 73289 7	0.170 83160 7	2.811 28313 5	3.004 01233 4	0.073 32285 7	4.791 61974 1	1.5868 90736	3.7695 93196	2.2605 13422
TRCN 000011 0510	NM_001025 307.1- 1660s1c1	209 08	Stx3	0.228 23569 8	2.242 36523 2	0.754 41919 7	1.357 56509 5	2.999 50757 5	0.323 80524 3	2.313 86715 8	1.5847 25675	1.6268 01747	1.2103 0604
TRCN 000008 7084	NM_176848 .1-514s1c1	230 904	Fbxo2	0.344 56127 9	2.240 49935 4	2.929 36429 8	0.247 63018 6	2.997 01167 7	1.257 31626 6	0.422 06694 6	1.5835 24705	0.3303 47592	1.2444 56244
TRCN 000019 1609	NM_030249 .2-365s1c1	802 81	Cttnbp2 nl	1.276 42523 9	2.240 15302 8	0.028 07067 3	3.988 76806 3	2.996 54841 3	0.012 04824 9	6.798 55385 5	1.5833 01683	6.3750 32716	- 2.7652 27898
TRCN 000003 4483	NM_013834 .1-352s1c1	203 77	Sfrp1	0.053 74728 5	2.238 14679 5	2.022 22852 5	0.116 74360 9	2.993 86476 1	0.867 96333 7	0.198 98066 2	1.5820 09054	0.2042 9399	- 2.3292 99863
TRCN 000012 3977	NM_021314 .3-2376s1c1	577 52	Tacc2	0.013 72924 7	2.238 14679 5	0.236 08225 5	11.26 39377 6	2.993 86476 1	0.101 32917 2	19.19 85310 5	1.5820 09054	3.3028 78515	- 4.2629 24024

TRCN 000009 9549	NM_198649 .2-2564slc1	319 713	Ablim3	0.655 34206 8	2.236 77365 1	0.033 11298 5	32.85 41717 8	2.992 02797 7	0.014 21246 8	55.99 74540 1	1.5811 23665	6.1366 99137	- 5.8072 8933
TRCN 000007 5602	XM_125814 .4-676slc1	114 774	Pawr	0.421 48000 7	2.234 6539 1	1.596 61528 1	0.212 51456 1	2.989 19248 5	0.685 28532 5	0.362 21501 7	1.5797 558	0.5452 23303	- 1.4650 81737
TRCN 000002 4003	XM_139298 .4-1297slc1	105 787	Prkaa1	0.169 27624 1	2.234 22044 7	0.052 32961 3	13.70 34287 6	2.988 61267 5	0.022 46046 2	23.35 64591 8	1.5794 75936	5.4764 68618	- 4.5457 49674
TRCN 000006 5616	NM_013584 .1-286slc1	168 80	Lifr	0.335 63648 5	2.227 90243 6	0.462 03395 6	1.641 85777 9	2.980 16136 6	0.198 31019 6	2.798 42256	1.5753 9045	2.3341 69238	1.4846 13825
TRCN 000010 0474	NM_015774 .2-1159slc1	505 27	Ero11	0.167 59758 1	2.225 91264 3	0.808 31582 9	0.324 47683	2.977 49971 2	0.346 93829	0.553 04624 6	1.5741 01369	1.5272 49023	0.8545 27971
TRCN 000017 7579	NM_027171 .1-3740slc1	696 97	231005 7J16Rik	0.425 48852 1	2.223 38741 3	0.928 89283	1.032 82208 4	2.974 12182 9	0.398 69130 2	1.760 36722 4	1.5724 63746	1.3266 55965	- 0.8158 76416
TRCN 000005 4954	NM_009721 .2-583slc1	119 31	Atp1b1	0.086 08539 7	2.222 89747 1	0.077 82617 5	1.527 33823 1	2.973 46645 7	0.033 40387 4	2.603 23264	1.5721 45801	4.9038 40764	1.3803 04245
TRCN 000004 2457	NM_178902 .3-813slc1	102 103	Mtus1	0.194 37846 5	2.221 52196 1	1.941 95856 4	0.013 04151 4	2.971 62650 2	0.833 51056 5	0.022 22827 5	1.5712 52798	0.2627 27609	5.4914 60191
TRCN 000006 8650	NM_022413 .2-583slc1	641 77	Trpv6	0.023 82413	2.221 36807 4	0.703 09714 3	1.527 33823 1	2.971 42065 5	0.301 77724 1	2.603 23264	1.5711 52857	1.7284 44089	1.3803 04245
TRCN 000017 6743	NM_178767 .2-537slc1	319 660	A53001 6O06Ri k	0.065 08938 2	2.221 36807 4	0.381 98470 1	2.971 42065 5	0.163 95215 1	1.704 42446 1	1.5711 52857	2.6086 53265	0.7692 84661	
TRCN 000012 5478	NM_026384 .2-744slc1	678 00	Dgat2	0.524 72080 5	2.209 57886 6	0.064 22084 4	18.05 22556 2	2.955 65077 9	0.027 56431 2	30.76 87060 6	1.5634 7582	5.1810 54593	4.9433 91869
TRCN 000009 1856	XM_484897 .2-9468slc1	128 35	Col6a3	0.226 87749 9	2.207 20621 4	0.528 43265 5	0.693 93207 7	2.952 47699 4	0.226 80926 8	1.182 75480 5	1.5619 25818	2.1404 485	0.2421 51022
TRCN 000002 3309	NM_009465 .2-1174slc1	263 62	Axl	0.580 74561 9	2.203 31187 2	0.458 97264 3	0.526 39651 7	2.947 26771 3	0.196 99624 6	0.897 20309 9	1.5593 78113	2.3437 59956	0.1564 93492
TRCN 000011 9298	NM_019397 .1-826slc1	541 56	Egfl6	0.228 40327 9	2.202 11042	0.750 28280 4	1.646 54495 9	2.945 66058 7	0.322 02986	2.806 41150 4	1.5585 91206	1.6347 33629	1.4887 26567
TRCN 000004 1446	NM_008062 .1-228slc1	143 81	G6pdx	0.194 50144 7	2.199 80316	0.805 51179 3	0.731 72401 6	2.942 57427 3	0.345 73476 6	1.247 16831 1	1.5570 7883	1.5322 62412	0.3186 56176
TRCN 000010 0122	NM_010738 .2-271slc1	110 454	Ly6a	0.520 01248 4	2.199 07155 1	0.303 53328 1	1.590 04079 8	2.941 59563 7	0.130 27991 5	2.710 10443 1	1.5565 98942	2.9403 13414	1.4383 48445
TRCN 000003 7224	NM_145840 .2-810slc1	243 923	Rgs9bp	0.351 79775 1	2.198 43006 1	0.007 50609 8	2.667 55717 4	2.940 73754 2	0.003 22170 2	4.546 64969 9	1.5561 78031	8.2779 61225	2.1848 03854
TRCN 000008 9818	NM_027998 .2-1544slc1	719 08	Cldn23	0.095 14810 8	2.198 29536 3	2.938 90116	0.019 44068	2.940 55736 3	1.261 40959 5	0.033 13517 1	1.5560 89634	0.3350 36813	- 4.9154 92831
TRCN 000010 8921	NM_153128 .1-1189slc1	240 756	Klhl12	0.415 37550 2	2.193 76794 4	2.034 15715 2	0.134 53599 9	2.934 50124 5	0.873 08324 1	0.229 30644 7	1.5531 1532	0.1958 08886	2.1246 51177
TRCN 000003 1992	NM_011119 .1-1215slc1	188 13	Pa2g4	0.330 73741 8	2.190 18153 5	0.928 63862 6	0.016 63197 1	2.929 70387 3	0.398 58219 5	0.028 34793 8	1.5507 54848	1.3270 50831	5.1406 12382
TRCN 000005 5145	NM_009698 .1-120slc1	118 21	Aprt	0.380 52436 1	2.190 12841 5	3.148 25545 1	0.123 69832 8	2.929 63281 7	1.351 26682 3	0.210 83445 5	1.5507 19857	0.4343 1258	- 2.2458 17439
TRCN 000020 1369	NM_146235 .2-2517slc1	236 930	Erec6l	0.166 62326 8	2.190 11052 1	0.180 54793 7	2.723 35170 4	2.929 60888 1	0.077 49321 5	4.641 74725 9	1.5507 0807	3.6897 8619	2.2146 67971
TRCN 000008 4398	NM_007961 .2-1677slc1	140 11	Etv6	0.091 66611 7	2.189 32711 1	0.607 67797 9	0.068 48667 8	2.928 56095	0.260 82225 7	0.116 73036 9	1.5501 91921	1.9388 6111	- 3.0987 48144

TRCN 000001 2840	NM_019499 .2-198slc1	561 50	Mad2l1	0.204 71147 7	2.188 60661 3	0.477 89179 2	0.856 38319	2.927 59717 4	0.205 11655 9	1.459 64045 7	1.5497 17058	- 2.2854 84133	0.5456 13044
TRCN 000002 9843	NM_007955 .2-3660slc1	139 24	Ptpv	0.257 95552 4	2.184 03246 9	19.06 65238 8	0.032 93496 1	2.921 47855 3	8.183 56755 4	0.056 13515 3	1.5466 98698	3.0327 2991	4.1549 51694
TRCN 000002 7689	XM_129694 .3-1908slc1	718 77	Efhc1	0.562 13209 9	2.182 85185 8	0.537 85927 2	0.502 53730 7	2.919 89930 6	0.230 85527 9	0.856 53687 9	1.5459 18618	2.1149 39373	0.2234 12731
TRCN 000009 1485	NM_009930 .1-179slc1	128 25	Col3a1	0.128 87706 5	2.180 92180 4	1.567 64119 8	0.843 29326 3	2.917 31756 2	0.672 84932 1	1.437 32966 5	1.5446 42438	0.5716 44634	0.5233 90995
TRCN 000017 5109	NM_145975 .2-3234slc1	212 880	Ddx46	0.313 68104 6	2.175 07252 7	2.189 70541 2	0.262 08318 2	2.909 49325 6	0.939 84631 2	0.446 70098 5	1.5407 67902	0.0895 03234	1.1626 18658
TRCN 000006 5615	NM_013584 .1-734slc1	168 80	Lifr	0.131 97754 6	2.171 92364 6	3.431 35134 2	2.208 46622 3	2.905 28114 5	1.472 77477 9	3.764 16385 1	1.5386 7778	0.5585 36826	1.9123 29429
TRCN 000011 4407	NM_178396 .3-140slc1	764 59	Car12	0.424 05949 9	2.169 79228 4	0.908 39476 8	0.090 85571 5	2.902 43012 1	0.389 89330 2	0.154 85670 3	1.5372 61333	1.3588 48725	2.6909 94263
TRCN 000009 5696	NM_007970 .1-2083slc1	140 55	Ezh1	0.113 81962 4	2.168 86406 8	0.018 30896 7	47.47 04549 2	2.901 18849 5	0.007 85841 5	80.90 98045 2	1.5366 4403	6.9915 45847	6.3382 42632
TRCN 000004 2601	NM_007670 .2-468slc1	125 79	Cdkn2b	0.109 40170 1	2.167 60573 2	0.625 75225	0.543 28865 4	2.899 50527 2	0.268 57993 9	0.925 99447 1	1.5358 06762	1.8965 76547	0.1109 24515
TRCN 000017 4024	NM_175099 .2-2099slc1	588 87	Repin1	0.563 18274 3	2.164 61423 3	0.325 74386 3	1.339 81883 4	2.895 50368 4	0.139 81294 8	2.283 61999 4	1.5338 14332	2.8384 30122	1.1913 22599
TRCN 000002 5476	NM_138671 .1-517slc1	192 185	Nadk	0.225 44142 7	2.163 79743 8	0.313 61226 6	0.014 28804 3	2.894 41109 5	0.134 60592 9	0.024 35288 9	1.5332 69843	2.8931 86136	5.3597 63235
TRCN 000002 3312	NM_009465 .2-2179slc1	263 62	Axl	1.110 16230 4	2.158 59491 9	1.760 29277 8	0.013 09284 7	2.887 45192 7	0.755 53755 6	0.022 31576 9	1.5297 96927	0.4044 24624	5.4857 92643
TRCN 000010 0473	NM_015774 .2-1324slc1	505 27	Ero1l	0.263 26547 2	2.156 48796 2	0.190 96485 4	7.319 85870 5	2.884 63354 9	0.081 96427 4	12.47 61462 3	1.5283 88057	3.6088 60978	3.6411 00462
TRCN 000001 2856	NM_009773 .1-593slc1	122 36	Bub1b	1.057 81078 8	2.155 85113 9	0.130 29220 6	9.268 49734 2	2.883 78170 1	0.055 92288 8	15.79 74535 8	1.5279 61958	4.1604 17335	3.9816 20122
TRCN 000005 5025	NM_013646 .1-167slc1	198 83	Rora	0.188 73701 3	2.149 61782 1	2.460 84139 7	0.025 75316 6	2.875 44368 2	1.056 22094 2	0.043 89432 5	1.5237 84582	0.0789 11651	4.5098 21749
TRCN 000010 3100	NM_010362 .1-854slc1	148 73	Gsto1	0.373 37237 5	2.149 49601 7	0.412 91844 7	1.217 97178	2.875 28074	0.177 22926 4	2.075 94089 4	1.5237 02827	2.4963 11251	1.0537 65368
TRCN 000002 4729	NM_008704 .2-821slc1	181 02	Nme1	0.463 05756 2	2.149 17989	0.502 61018 1	1.111 63030 5	2.874 85788 1	0.215 72597 1	1.894 68988 3	1.5234 90638	2.2127 28226	0.9219 61732
TRCN 000003 0990	NM_173369 .1-1441slc1	742 56	Cyld	0.380 40373 6	2.144 10330 6	0.362 85453 6	0.025 56948 9	2.868 06717 2	0.155 74126 8	0.043 58126 3	1.5200 78813	2.6827 76816	4.5201 48179
TRCN 000010 5045	NM_011636 .1-1075slc1	220 38	Plscr1	0.296 11399 8	2.143 92805 1	0.455 07075 1	0.704 99329 4	2.867 83274 1	0.195 32151 5	1.201 60781 5	1.5199 60885	2.3560 77261	0.2649 66101
TRCN 000012 1370	NM_172746 .2-758slc1	233 876	Hirip3	0.100 52033 3	2.138 67734	0.020 05585 2	1	2.860 80910 9	0.008 60819 9	1.704 42446 1	1.5164 23235	6.8600 72938	0.7692 84661
TRCN 000012 7419	NM_026345 .2-1626slc1	677 29	Mansc1	0.472 46285 8	2.129 57042 4	0.553 50256 6	0.907 08545 5	2.848 62721 2	0.237 56955 7	1.546 05863 8	1.5102 66835	2.0735 78117	0.6285 95038
TRCN 000010 0472	NM_015774 .2-238slc1	505 27	Ero1l	0.136 39058 4	2.128 83314 2	0.587 49493 7	0.783 41943 9	2.847 64098 4	0.252 15946 5	1.335 27925 5	1.5097 6727	1.9875 91702	0.4171 41493
TRCN 000008 0636	NM_008813 .2-1849slc1	186 05	Enpp1	0.317 09784 9	2.123 94301 3	0.313 64028	3.465 77538 6	2.841 09968 7	0.134 61795 3	5.907 15234 3	1.5064 49453	2.8930 57271	2.5624 62819

TRCN 000006 8767	XM_112633 .3-1387s1c1	194 352	Trpv5	0.743 71285 8	2.123 51477 8	0.010 40227	72.24 38033	2.840 52685 6	0.004 46477 2	123.1 34105 5	1.5061 58543	7.8071 97877	- 86602	6.9440
TRCN 000017 3453	NM_181409 .2-1842s1c1	194 126	Mtmr11	0.223 91017 7	2.123 04225 7	0.123 68736 3	2.870 16249 5	2.839 89478 7	0.053 08801 4	4.891 97516 2	1.5058 37481	4.2354 70016	- 17079	2.2904
TRCN 000010 8511	NM_011983 .1-982s1c1	265 57	Homer2	0.037 54595 5	2.121 59350 8	0.332 83846 7	24.16 04784 9	2.837 95686 2	0.142 85803 2	41.17 97105 3	1.5048 5266	2.8073 45943	- 61783	5.3638
TRCN 000009 3474	NM_020578 .1-3247s1c1	574 40	Ehd3	0.188 65225 7	2.117 93057 6	8.466 15019	0.110 36020 9	2.833 05712 8	3.633 76735 2	0.188 10064	1.5023 59694	1.8614 66055	- 23334	2.4104
TRCN 000010 5110	NM_024289 .1-3876s1c1	791 96	Osbp15	0.321 88331 1	2.115 59193 8	0.364 40154 4	0.799 51488 1	2.829 92884 2	0.156 40526 1	1.362 71272	1.5007 65777	2.6766 39049	- 81453	0.4464
TRCN 000005 5041	NM_026268 .1-1279s1c1	676 03	Dusp6	0.433 69571 7	2.114 00301 5	0.231 47619 4	3.053 48552 3	2.827 80341 4	0.099 35219 9	5.204 43541 6	1.4996 81829	3.3313 04295	- 41667	2.3797
TRCN 000005 4501	NM_011231 .1-883s1c1	193 52	Rabggt b	0.215 51491 8	2.108 83135 9	0.010 40219 8	63.10 06615 8	2.820 88553	0.004 46474 1	107.5 50311 1	1.4961 48123	7.8072 0787	- 67887	6.7488
TRCN 000007 5695	NM_027350 .1-448s1c1	702 23	Nars	0.242 45706 8	2.107 36146 3	0.106 74275 6	0.895 49609 8	2.818 91931 9	0.045 81519 7	1.526 30545 4	1.4951 42187	4.4480 29953	- 43713	0.6100
TRCN 000002 3221	NM_010434 .1-3501s1c1	152 59	Hipk3	0.369 02240 8	2.106 70944 6	0.118 12044 2	2.758 39669 1	2.818 04714 6	0.050 69862 9	4.701 47879 2	1.4946 95748	4.3019 09456	- 1461	2.2331
TRCN 000005 5279	NM_008828 .1-425s1c1	186 55	Pgk1	0.109 51273 5	2.105 40138 8	0.123 17112 5	2.816 29741 1	0.052 86643 9	1.704 42446 1	1.4937 99699	4.2415 04034	- 84661	0.7692	
TRCN 000012 0642	NM_017407 .1-3613s1c1	541 41	Spag5	0.290 79374 5	2.105 09203 7	0.018 27669 9	2.815 88361 4	0.007 84456 6	1.704 42446 1	1.4935 87706	6.9940 90697	- 84661	0.7692	
TRCN 000009 5244	NM_008328 .1-1727s1c1	159 50	Ifi203	0.393 47431 1	2.104 11838 1	0.113 24395 2	4.503 55739 2	2.814 58119 8	0.048 60558 4	7.675 97337 9	1.4929 20269	4.3627 34117	- 49708	2.9403
TRCN 000012 7422	NM_026345 .2-1239s1c1	677 29	Mansc1	1.142 11371 7	2.100 32574 3	0.325 96521 2	0.083 83390 5	2.809 50796 3	0.139 90795 3	0.142 88855 9	1.4903 17489	2.8374 5012	- 3769	2.8070
TRCN 000009 6875	NM_026030 .1-956s1c1	672 04	Eif2s2	0.055 72571 3	2.097 24433 5	0.741 41484 7	1.681 78902 5	2.805 38610 7	0.318 22363 2	2.866 48235 3	1.4881 99344	1.6518 87115	- 81397	1.5192
TRCN 000007 9543	NM_009196 .2-3568s1c1	205 01	Slc16a1	0.100 54799 8	2.096 42514 9	0.543 95298 3	1.581 85973 3	2.804 29032 1	0.233 47076 8	2.696 16042 3	1.4876 35716	2.0986 86167	- 0634	1.4309
TRCN 000019 3788	NM_001013 391.1- 166s1c1	432 508	Cpsf6	0.364 83240 5	2.092 58498 2	0.210 56170 9	0.018 43635 7	2.799 15350 7	0.090 37546 5	0.031 42336 7	1.4849 90607	3.4679 25018	- 1843	4.9920
TRCN 000006 5765	NM_008932 .1-424s1c1	191 16	Prlr	0.060 79295 3	2.092 55251 5	1.322 29877 9	0.020 47204 4	2.799 11007 8	0.567 54558 1	0.034 89305 2	1.4849 68224	0.8171 91831	- 16389	4.8409
TRCN 000003 2093	NM_008939 .1-1685s1c1	191 42	Prss12	0.114 58232 1	2.092 44984 2	0.118 45019 1	2.207 52209 7	2.798 97273 7	0.050 84016 1	3.762 55464 8	1.4848 97435	4.2978 87594	- 12536	1.9117
TRCN 000010 8925	NM_007984 .1-1593s1c1	140 86	Fscn1	0.259 12802 4	2.091 06895 3	1.083 44650 6	0.718 58040 4	2.797 12558 6	0.465 02748 6	1.224 76601 8	1.4839 4503	1.1046 12103	- 0616	0.2925
TRCN 000011 0766	NM_031176 .1-76s1c1	818 77	Tnxb	0.616 21804 6	2.088 56937 9	0.772 25247 4	0.332 72875 2	2.793 78202 3	0.567 45949 3	0.331 11102 3	1.4822 19463	1.5930 95535	- 96896	0.8182
TRCN 000011 0373	NM_016888 .4-585s1c1	536 25	B3gnt2	0.319 52844 1	2.088 31035 6	0.010 14224 4	23.41 83729 7	2.793 43553 9	0.004 35316 6	39.91 48477 2	1.4820 40529	7.8437 19317	- 53602	5.3188
TRCN 000009 5996	NM_019797 .2-1683s1c1	564 04	Trip4	0.329 31877 2	2.086 96081 1	0.504 66556 6	0.285 12681 4	2.791 63031 4	0.216 60816 3	0.485 97712 3	1.4811 07903	2.2068 40483	- 39702	1.0410
TRCN 000009 1534	NM_009933 .1-2277s1c1	128 33	Col6a1	1.170 59888 1	2.084 92269 3	0.119 35476 2	2.104 95831 3	2.788 90402	0.051 22841 3	3.587 74243 8	1.4796 98285	4.2869 11993	- 76324	1.8430

TRCN 000012 4880	NM_177124 .3-4634slcl	213 988	Tnrc6b	0.283 03212 4	2.072 88644	0.191 89586 6	4.607 88827 3	2.772 80368 6	0.082 36387 5	7.853 79748 4	1.4713 45477	3.6018 44489	2.9733 90398
TRCN 000003 2859	NM_145919 .1-355slcl	686 44	Abhd14 a	0.251 54998 6	2.070 58932 6	0.125 82593 3	0.756 18565 7	2.769 73094 3	0.054 00591 2	1.288 86133	1.4697 45837	4.2107 38832	0.3660 97051
TRCN 000009 2587	XM_110701 .2-971slcl	194 597	Tmprss 11a	0.070 99101 3	2.067 17078 5	0.255 60865 4	1.603 76104 5	2.765 15812	0.109 71012 3	2.733 48955 4	1.4673 6198	3.1882 31441	1.4507 43862
TRCN 000009 7498	NM_178891 .3-662slcl	998 90	Prmt6	0.034 30457 9	2.067 17078 5	0.327 23379	10.68 49178 2	2.765 15812	0.140 45244 1	18.21 16353	1.4673 6198	2.8318 46392	4.1867 88569
TRCN 000019 8612	NM_001033 264.1- 799slcl	216 456	Gls2	0.694 85733 2	2.066 03793 2	0.240 23043 2	0.522 87501 4	2.763 64275 5	0.103 10961 7	0.891 20096 4	1.4665 71136	3.2777 492	0.1661 77301
TRCN 000004 1778	NM_021557 .2-794slcl	172 52	Rdh11	0.267 55846 1	2.062 00658 6	0.598 78415 3	0.040 29302	2.758 25021 2	0.257 00492 6	0.068 67640 9	1.4637 53335	1.9601 32081	3.8640 41594
TRCN 000008 0039	NM_011593 .1-167slcl	218 57	Timp1	0.285 20847 3	2.056 82624 5	0.566 39324 8	0.767 18112 6	2.751 32071 1	0.243 10238 4	1.307 60227 8	1.4601 24319	2.0403 64054	0.3869 23795
TRCN 000010 8944	NM_133786 .3-1108slcl	700 99	Smc4	0.672 63928 1	2.055 89268 8	0.476 65435 6	0.284 11398 3	2.750 07193 4	0.204 58543 7	0.484 25082 3	1.4594 69356	2.2892 24642	1.0461 73594
TRCN 000008 0604	NM_023595 .3-666slcl	110 074	Dut	0.107 03237 3	2.042 99007	0.017 49915 9	98.40 42755 1	2.732 81270 3	0.007 51083 7	167.7 22654 2	1.4503 86586	7.0568 10597	7.3899 33756
TRCN 000008 9040	NM_008738 .1-757slcl	181 88	Nrtn	0.229 37673 8	2.042 79460 1	0.335 90599	0.416 48094	2.732 55123 3	0.144 17464 8	0.709 86030 2	1.4502 48545	2.7941 10599	0.4943 92959
TRCN 000009 5997	NM_019797 .2-919slcl	564 04	Trip4	0.054 91261 7	2.042 79460 1	3.824 84033 6	0.036 57628 3	2.732 55123 3	1.641 66470 3	0.062 34151 1	1.4502 48545	0.7151 59498	4.0036 63056
TRCN 000008 1069	XM_358362 .2-1849slcl	192 83	Ptprz1	0.166 51320 4	2.041 25673 2	0.488 22480 3	0.011 52797 6	2.730 49409 7	0.209 55160 4	0.019 64856 3	1.4491 62038	2.2546 22532	5.6694 32351
TRCN 000009 8591	NM_008303 .2-179slcl	155 28	Hspe1	0.234 07135 5	2.036 96400 6	0.096 25454 3	3.433 94055 3	2.724 75191 8	0.041 31353 8	5.852 89227 5	1.4461 24882	4.5972 4159	2.5491 49726
TRCN 000009 6830	NM_145625 .1-1702slcl	757 05	Eif4b	0.349 51411 6	2.022 66911 2	0.134 60005 6	0.373 41297 6	2.705 63030 4	0.057 77186 5	0.636 45421	1.4359 64723	4.1134 89117	0.6518 71373
TRCN 000008 8053	XM_283394 .2-495slcl	328 752	UNK	0.226 45116 3	2.021 72715 4	0.069 29368 6	17.92 81645 1	2.704 37029 1	0.029 74163 3	30.55 72021 2	1.4352 92703	5.0713 72321	4.9334 40548
TRCN 000010 3359	NM_008185 .2-760slcl	148 71	Gstt1	0.586 66704 8	2.018 20252	0.314 06649 4	2.729 23151 9	2.699 65555 2	0.134 80088 9	4.651 76896	1.4327 75346	2.8910 98083	2.2177 79444
TRCN 000011 9308	NM_011360 .2-951slcl	203 92	Sgce	0.070 14285	2.018 12119 8	0.070 09266 4	4.018 80522 5	2.699 54677 1	0.030 08456 3	6.849 74992 8	1.4327 17212	5.0548 32767	2.7760 51319
TRCN 000010 5185	NM_024406 .1-458slcl	117 70	Fabp4	0.412 00809 5	2.009 83321	0.432 13638 7	2.208 93973 8	2.688 46031 5	0.185 47782 2	3.764 97092 3	1.4267 80176	2.4306 81406	1.9126 38723
TRCN 000004 1817	NM_008638 .1-175slcl	177 68	Mthfd2	1.301 18154 4	2.009 59058 3	0.368 83254 4	0.713 77027 4	2.688 13576 5	0.158 30709 7	1.216 56751 4	1.4266 06003	2.6592 02164	0.2828 16386
TRCN 000005 4699	NM_009263 .1-416slcl	207 50	Spp1	0.167 19449 3	2.007 37813 3	16.51 65218 9	0.055 28994 6	2.685 17627 3	7.089 07787 7	0.094 23753 6	1.4250 16799	2.8255 97979	3.4075 54368
TRCN 000019 1549	NM_030249 .2-2175slcl	802 81	Cttnbp2 nl	0.328 04346 9	2.007 12428 8	0.762 22201 9	0.015 41097 9	2.684 83671 6	0.327 15430 6	0.026 26685	1.4248 3435	1.6119 56837	5.2506 13006
TRCN 000007 6557	NM_183405 .1-277slcl	333 182	Cox6b2	0.158 03980 1	2.003 79387 7	0.118 45019 1	2.680 38178 1	0.050 84016 1	1.704 42446 1	1.4224 38506	4.2978 87594	0.7692 84661	
TRCN 000010 5879	NM_019653 .2-181slcl	788 89	Wsb1	0.235 00133 7	2.003 65357 4	0.709 26601 1	6.405 27878 2	2.680 19410 3	0.304 42498 9	10.91 73138 3	1.4223 37486	1.7158 41308	3.4485 46025

TRCN 000011 4336	NM_019699 .1-487s1c1	564 73	Fads2	0.823 58569 7	2.003 49363 3	0.706 24857 9	1.185 25413 7	2.679 98015 8	0.303 12987 3	2.020 17614 4	1.4222 22319	- 1.7219 92062	- 1.0144 8109
TRCN 000007 1050	NM_007626 .2-547s1c1	124 19	Cbx5	0.283 37073 5	2.003 48978 1	0.490 03871 3	0.402 41147 9	2.679 97500 5	0.210 33015 4	0.685 87996 8	1.4222 19545	- 2.2492 72396	- 0.5439 71974
TRCN 000011 4323	NM_008750 .2-470s1c1	182 30	Nxn	0.379 13788 2	2.001 93680 2	0.790 97891 2	0.637 56616 7	2.677 89765 7	0.339 49708 9	1.086 68337 9	1.4211 00825	- 1.5585 2889	0.1199 31639
TRCN 000018 1974	NM_001013 806.1- 1441s1c1	433 667	Ankrd1 3c	1.250 22314 5	2.000 07114 8	0.576 26822 3	0.914 16212 2	2.675 40206 5	0.247 34083 5	1.558 12028 3	1.4197 55716	- 2.0154 27653	0.6398 0661
TRCN 000010 4697	NM_134094 .2-693s1c1	525 89	Ncald	0.500 07311 9	1.997 31457 7	0.381 85655 3	2.338 66381 6	2.671 71472 3	0.163 89714 9	3.986 07581 4	1.4177 6597	- 2.6091 37339	1.9949 6915
TRCN 000011 4595	NM_019425 .1-266s1c1	543 42	Gnpnat 1	0.178 27021 3	1.996 33545 7	0.225 43987 5	3.547 97432 3	2.670 40499 9	0.096 76134 2	6.047 25422 2	1.4170 58561	- 3.3694 25406	2.5962 8023
TRCN 000010 8530	NM_010733 .2-2977s1c1	169 81	Lrrn3	0.157 25356 3	1.993 67132 8	0.007 40772 5	0.781 11937 5	2.666 84131 8	0.003 17947 7	1.331 35896 9	1.4151 31985	- 8.2969 94761	0.4128 99612
TRCN 000010 3308	NM_174995 .1-150s1c1	211 666	Mgst2	0.422 41075 1	1.990 38108 7	0.530 59804 1	0.606 71549 5	2.662 44011 5	0.227 73867 6	1.034 10072 3	1.4127 49076	- 2.1345 48775	0.0483 76714
TRCN 000011 5263	NM_023418 .1-386s1c1	186 48	Pgam1	0.141 22565 9	1.988 86357 3	0.726 58117 9	1.796 97059 1	2.660 41020 7	0.311 85685 4	3.062 80063 4	1.4116 48711	- 1.6810 44127	1.6148 51459
TRCN 000006 6525	XM_133956 .3-335s1c1	213 002	Ifitm6	0.769 80032 3	1.988 54175 2	0.293 35758 2	1.029 82656 1	2.659 97972 3	0.125 91239 9	1.755 26158 8	1.4114 15248	- 2.9895 07843	0.8116 86046
TRCN 000003 0092	NM_028860 .1-2477s1c1	743 02	Mtmr3	0.227 37270 9	1.986 34017 1	0.864 38818 1	0.319 34559 2	2.657 03477 7	0.371 00517 7	0.544 30043 8	1.4098 17107	- 1.4304 88776	0.8775 24897
TRCN 000002 7711	XM_129694 .3-1553s1c1	718 77	Efhc1	0.376 71929 9	1.985 98031 8	0.426 01922 7	0.904 40810 4	2.656 55341 1	0.182 85226 7	1.541 49529 4	1.4095 55719	- 2.4512 4958	0.6243 30485
TRCN 000010 0537	NM_173413 .2-636s1c1	235 442	Rab8b	0.531 90108 2	1.981 72120 5	1.488 17862 2	0.475 03123 1	2.650 85619 5	0.638 74308 5	0.809 65485 5	1.4064 58408	- 0.6466 92327	0.3046 21067
TRCN 000008 9581	NM_017379 .1-1072s1c1	538 57	Tuba8	0.054 99285 7	1.980 01738 2	0.810 39555 4	0.916 48521 1	2.648 57706 9	0.347 83093 1	1.562 07981 1	1.4052 17489	- 1.5235 41863	0.6434 68167
TRCN 000008 4449	NM_178661 .2-851s1c1	208 647	Creb3l2	0.437 20929 3	1.978 00214 7	0.790 56101 3	0.303 62430 2	2.645 88137 5	0.339 31772 2	0.517 50468 7	1.4037 48381	- 1.5592 91312	0.9503 56166
TRCN 000004 1281	NM_011723 .1-212s1c1	224 36	Xdh	0.067 71646 3	1.975 19374 5	0.410 17869 2	1.170 84584 3	2.642 12471 5	0.176 05333 1	1.995 61829 5	1.4016 98567	- 2.5059 15575	0.9968 35801
TRCN 000003 9249	NM_207225 .1-1619s1c1	208 727	Hdac4	0.042 00260 5	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 17187 9	0.217 79155 7	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661
TRCN 000004 2527	NM_008709 .2-1522s1c1	181 09	Mycn	0.022 84926 3	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 79155 9	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661	
TRCN 000006 7212	NM_008176 .1-236s1c1	148 25	Cxcl1	0.080 61900 3	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 79155 9	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661	
TRCN 000007 5792	NM_145211 .1-118s1c1	246 730	Oas1a	0.080 61900 3	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 79155 9	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661	
TRCN 000008 2275	NM_011751 .1-515s1c1	226 80	Zfp207	0.065 55215 2	1.970 74353 7	0.649 60966 7	0.781 11937 5	2.636 17187 9	0.278 81981 1	1.331 35896 9	1.3984 44438	- 1.8425 95021	0.4128 99612
TRCN 000009 0337	NM_011123 .1-530s1c1	188 23	Plp1	0.026 27218 7	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 79155 9	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661	
TRCN 000010 2626	NM_023144 .1-1418s1c1	536 10	Nono	0.055 23020 3	1.970 74353 7	0.507 42269 7	2.636 17187 1	0.217 79155 9	1.704 42446 1	1.3984 44438	- 2.1989 8007	0.7692 84661	

TRCN 000010 3306	NM_174995 .1-326slcl	211 666	Mgst2	0.033 88675 1	1.970 74353 7	0.507 42269 7	4.622 56626 9	2.636 17187 9	0.217 79155 7	7.878 81502 1	1.3984 44438	2.1989 8007	2.9779 78664
TRCN 000010 8831	NM_007870 .2-598slcl	134 21	Dnase1l 3	0.055 23020 3	1.970 74353 7	0.507 42269 7	1	2.636 17187 9	0.217 79155 7	1.704 42446 1	1.3984 44438	2.1989 8007	0.7692 84661
TRCN 000017 6458	NM_172660 .1-941slcl	227 695	D2Wsu 81e	0.042 00260 5	1.970 74353 7	0.507 42269 7	1	2.636 17187 9	0.217 79155 7	1.704 42446 1	1.3984 44438	2.1989 8007	0.7692 84661
TRCN 000011 4410	NM_178396 .3-336slcl	764 59	Car12	0.421 53909 4	1.963 92660 9	0.184 32153 4	0.551 14855 2	2.627 05319 3	0.079 11288 6	0.939 39107 3	1.3934 45413	3.6599 4349	0.0902 02211
TRCN 000011 2418	NM_008379 .2-1229slcl	162 11	Kpnb1	0.251 93525 4	1.963 75171 4	0.406 88558 8	0.591 04006 5	2.626 81924 4	0.174 63989 3	1.007 38314 3	1.3933 16929	2.5175 44943	0.0106 12496
TRCN 000009 1148	NM_145588 .1-1060slcl	110 033	Kif22	0.192 07902 2	1.960 87455 2	0.506 23198 2	0.465 33948 5	2.622 97059 7	0.217 28048 8	0.793 13600 1	1.3912 01636	2.2023 69468	0.3343 59826
TRCN 000009 5994	NM_019797 .2-2318slcl	564 04	Trip4	0.464 38378 3	1.960 85867 6	0.031 18782 6	5.226 32731 4	2.622 94935 3	0.013 38616 7	8.907 88011 4	1.3911 89951	6.2231 1323	3.1550 82142
TRCN 000017 4028	NM_024281 .1-368slcl	819 10	Rrbp1	1.329 55069 2	1.957 48810 9	0.446 77536 1	0.802 86144 7	2.618 44071 1	0.191 76103 5	1.368 41669	1.3887 07938	2.3826 18497	0.4525 07605
TRCN 000008 6433	NM_175647 .2-2071slcl	242 523	Dmrta1	0.505 42212 3	1.953 77383 5	0.009 37550 4	1.040 86362 9	2.613 4723	0.004 02407 2	1.774 07343	1.3859 67868	7.9571 28061	0.8270 65725
TRCN 000011 5261	NM_023418 .1-1359slcl	186 48	Pgam1	0.131 70443 6	1.952 41184 8	1.269 56095 4	0.324 27245 2	2.611 65043 2	0.544 90991 1	0.552 6979	1.3849 61806	0.8759 10364	0.8554 36965
TRCN 000011 4704	NM_008697 .1-964slcl	180 80	Nin	4.081 41407 9	1.950 01781 6	0.458 60134 7	1.422 34318 6	2.608 44804 7	0.196 83688 2	2.424 27651 8	1.3831 91699	2.3449 2753	1.2775 54265
TRCN 000008 6178	NM_009366 .1-251slcl	218 07	Tsc22d 1	0.520 62227 9	1.949 87177 1	0.568 71480 7	1.154 59941 8	2.608 25269	0.244 09882 3	1.967 92749	1.3830 83646	2.0344 62754	0.9766 77065
TRCN 000012 4818	NM_053182 .2-1135slcl	942 12	Pagl	0.095 01035 2	1.946 80018 3	2.145 72797 6	0.203 12830 9	2.604 14397	0.920 9707	2.685 21685 8	1.3808 0921	0.1187 72836	1.5302 5212
TRCN 000012 0532	NM_026102 .1-3700slcl	208 846	Daam1	0.166 82086 4	1.944 98025 5	0.202 66349 6	5.278 02986 9	2.601 70953 7	0.086 98546 3	8.996 00321 3	1.3794 59904	3.5230 81872	3.1692 84176
TRCN 000006 9469	NM_146188 .1-522slcl	233 107	Kctd15	0.911 78962 2	1.942 96516 2	0.292 92402 6	1.150 58900 7	2.599 01404	0.125 72630 3	1.961 09204 8	1.3779 64427	2.9916 41594	0.9716 57253
TRCN 000008 0602	NM_019807 .2-694slcl	563 18	Acpp	0.154 98525 9	1.940 87557 3	0.652 09799 6	5.119 19080 7	2.596 21889 5	0.279 88783 1	8.725 27403 1	1.3764 12026	1.8370 79335	3.1252 00442
TRCN 000007 1114	NM_007842 .1-2028slcl	132 11	Dhx9	0.387 11870 6	1.940 09957 9	0.477 55586 6	0.711 76572 1	2.595 18088 4	0.204 97237 5	1.213 15090 6	1.3758 35098	2.2864 98608	0.2787 59021
TRCN 000010 2339	NM_133188 .1-729slcl	702 48	Dazap1	0.271 95277 6	1.938 71474 3	0.209 93994 6	2.898 98319 3	2.593 32845 3	0.090 10859 8	4.941 09786	1.3748 0494	3.4721 91421	2.3048 31629
TRCN 000019 3001	NM_177150 .1-569slcl	320 394	Cenpt	0.263 50060 9	1.938 61524 5	0.044 73000 5	16.69 77871 7	2.593 19535 2	0.019 19862 4	28.46 01168 9	1.3747 30892	5.7028 53293	4.8308 69682
TRCN 000004 2683	NM_010235 .1-664slcl	142 83	Fos1l	0.608 42930 7	1.936 18690 3	0.166 22606	2.845 72343 4	2.589 94707 9	0.071 34610 4	4.850 32063	1.3729 22619	3.8090 21541	2.2780 8012
TRCN 000008 0230	NM_183284 .1-143slcl	699 82	Spink2	0.941 75200 7	1.935 17686 3	0.023 04724 5	1	2.588 59599 5	0.009 89213 8	1.704 42446 1	1.3721 6982	6.6595 01929	0.7692 84661
TRCN 000002 6120	XM_144956 .2-621slcl	184 30	Oxtr	0.556 73489 6	1.933 25674 8	0.869 02105 1	0.168 12403 5	2.586 02754 7	0.372 99365 7	0.286 55471 7	1.3707 37643	1.4227 76997	1.8031 17448

TRCN 000009 5260	NM_175170 .2-454slc1	715 92	Pogk	0.169 43818 8	1.931 27179 9	2.269 71216 3	0.536 00742 3	2.583 37237 4	0.974 18611 4	0.913 58416 3	1.3692 55612	- 0.0377 30676	- 0.1303 90454
TRCN 000009 2987	NM_178214 .2-293slc1	319 190	Hist2h2 be	0.664 09894 4	1.931 25858 5	0.648 59150 7	0.812 59867 1	2.583 35469 8	0.278 38280 6	1.385 01305 2	1.3692 45741	- 1.8448 57988	- 0.4698 99572
TRCN 000017 5703	NM_175099 .2-2746slc1	588 87	Repin1	0.469 56597 3	1.930 47042 2	0.727 28702 8	0.588 97992 8	2.582 30040 8	0.312 15981 3	1.003 87178 3	1.3686 56844	- 1.6796 43278	- 0.0055 75016
TRCN 000012 7107	NM_010865 .2-220slc1	179 26	Myoc	0.526 69140 4	1.930 28507 4	1.202 00256 7	0.372 82712 5	2.582 05247 7	0.515 91308 8	0.635 45567 1	1.3685 18322	- 0.9548 00049	- 0.6541 36608
TRCN 000010 3116	NM_020564 .1-674slc1	574 29	Sult5a1	0.069 89488 8	1.929 56782 2	4.342 93926 4	0.009 60441 6	2.581 09304 3	1.864 03861 9	0.016 37000 2	1.3679 82148	- 0.8984 3175	- 5.9328 01719
TRCN 000012 4314	NM_207675 .2-3423slc1	547 25	Igsf4a	0.082 01604 5	1.928 89417 3	0.528 28006 2	2.274 36145 9	2.580 19193 4	0.226 74377 3	3.876 47730 3	1.3674 78388	- 2.1408 65166	- 1.9547 46218
TRCN 000011 5404	NM_026568 .1-718slc1	681 26	Fahd2a	0.440 72076 9	1.926 60758 9	0.877 43420 9	0.537 44918 4	2.577 13327 6	0.376 60468 6	0.916 04153 5	1.3657 67148	- 1.4088 77168	- 0.1265 15081
TRCN 000009 3044	NM_016750 .1-188slc1	517 88	H2afz	0.223 92942 5	1.924 25904 5	0.731 35324 5	0.684 46402 3	2.573 99173 8	0.313 90507 9	1.166 61722 4	1.3640 07423	- 1.6715 99724	- 0.2223 31279
TRCN 000017 6302	NM_030013 .1-311slc1	779 51	Cyp20a 1	0.144 28645 1	1.919 47977 7	0.731 14560 1	0.224 15899 1	2.567 59873 4	0.313 81595 6	0.382 06206 7	1.3604 19755	- 1.6720 09388	- 1.3881 21069
TRCN 000009 1776	NM_010615 .1-865slc1	165 51	Kif11	0.271 09058 9	1.918 86988 8	0.553 42098 5	0.978 39898 6	2.566 78291 5	0.237 53454 2	1.667 60716 3	1.3599 61285	- 2.0737 90771	- 0.7377 79474
TRCN 000020 0765	NM_026507 .2-466slc1	680 14	Zwilch	0.361 49174 7	1.917 58720 6	0.017 03473 4	41.26 74634 2	2.565 06713 2	0.007 3115 9	70.33 72740 9	1.3589 96583	- 7.0956 16831	- 6.1362 17519
TRCN 000007 6766	NM_015729 .1-1099slc1	114 30	Acox1	0.772 00986 8	1.915 96883 8	0.213 63380 9	1.707 37322 8	2.562 90231 5	0.091 69404 5	2.910 08869 4	1.3577 78491	- 3.4470 28142	- 1.5410 63124
TRCN 000006 7908	NM_010094 .2-238slc1	135 90	Lefty1	0.057 59889 2	1.915 61443 7	3.197 84562 3	0.106 31035 3	2.562 42824 9	1.372 55148 5	0.181 19796 7	1.3575 11608	- 0.4568 60267	- 2.4643 61329
TRCN 000007 1937	NM_146083 .1-159slc1	225 027	Sfrs7	0.584 14449 5	1.914 14370 9	0.439 92624 8	0.757 91173 9	2.560 46092 4	0.188 82131 8	1.291 80330 7	1.3564 03542	- 2.4049 06439	- 0.3693 86419
TRCN 000003 9408	NM_020004 .1-1770slc1	145 34	Gcn5l2	0.786 29605 2	1.912 90169 9	0.653 50017 5	1.029 31106 3	2.558 79954 6	0.280 48965 9	1.754 38295 3	1.3554 67132	- 1.8339 80511	- 0.8109 63699
TRCN 000003 0755	NM_021522 .2-1330slc1	590 25	Usp14	0.250 82452 3	1.911 49894 4	0.733 67317 5	0.552 07755 4	2.556 92314 9	0.314 90081 9	0.940 97448 8	1.3544 08794	- 1.6670 30584	- 0.0877 72486
TRCN 000012 3798	NM_172429 .1-733slc1	764 79	Smndc1	0.087 44632 5	1.906 97749 6	0.014 57121 3	51.11 21667 3	2.550 87501 5	0.006 25412 9	87.11 68272 1	1.3509 92213	- 7.3209 75238	- 6.4448 79507
TRCN 000008 0304	NM_008871 .1-452slc1	187 87	Serpine 1	1.562 92797 7	1.904 28027 7	0.383 83033 2	0.198 39598 7	2.547 26707 1	0.164 74431 7	0.338 15097 4	1.3489 50229	- 2.6016 99398	- 1.5642 60586
TRCN 000006 9088	NM_355081 .1-1537slc1	106 931	Kctd1	0.163 29052 4	1.903 82043 4	7.480 58464 4	0.013 28784 9	2.546 65196 1	0.310 3.210 75148	0.022 64813 5	1.3486 01807	- 1.6829 11001	- 5.4644 63919
TRCN 000010 0209	NM_007487 .2-280slc1	118 61	Arl4a	0.081 68579 9	1.903 52440 2	0.042 28207 8	0.2546 1 1	2.546 25597 2	0.018 14794 6	1.704 42446 1	1.3483 77459	- 5.7840 49941	- 0.7692 84661
TRCN 000002 3589	NM_008587 .1-3051slc1	172 89	Mertk	0.075 58290 9	1.900 84190 4	0.096 30335 5	8.848 89358 4	2.542 66772 9	0.041 33448 9	15.08 22706 7	1.3463 4294	- 4.5965 10152	- 3.9147 81741
TRCN 000019 1697	NM_009477 .1-338slc1	222 71	Upp1	0.210 08073 6	1.900 59010 8	0.019 14178 7	47.71 93472 3	2.542 33090 3	0.008 21587 1	81.33 40226 7	1.3461 5182	- 6.9273 70714	- 6.3457 87064
TRCN 000007 5838	NM_145153 .2-1294slc1	243 262	Oas1f	0.335 05228 8	1.897 69107 3	0.089 27874 1	4.200 27085 2	2.538 45299 9	0.038 31944 5	7.159 04438 2	1.3439 49548	- 4.7057 79538	- 2.8397 67024

TRCN 000001 2558	NM_007905 .1-3246s1c1	136 19	Pbc1	0.102 78510 9	1.866 33986 4	0.019 79887 5	40.84 82289 6	2.496 51594 7	0.008 49790 1	69.62 27206 2	1.3199 16122	6.8786 77764	- 86286
TRCN 000002 3201	NM_015806 .2-1910s1c1	507 72	Mapk6	0.225 77387	1.866 33752 6	1.557 29380 5	0.254 54197 6	2.496 51282	0.668 40810 3	0.433 84757 1	1.3199 14315	0.5811 98872	- 39844
TRCN 000004 1280	NM_011723 .1-2725s1c1	224 36	Xdh	0.141 41390 3	1.866 00919 6	0.687 53104 3	1.056 98492 8	2.496 07362 8	0.295 09609 5	1.801 55096 6	1.3196 60491	1.7607 43267	0.8492 39466
TRCN 000008 2258	NM_021498 .2-172s1c1	590 01	Pole3	0.406 17846 2	1.863 10736 8	0.469 98784 1	0.753 84608 5	2.492 19198 7	0.201 72409 4	1.284 87370 7	1.3174 15211	2.3095 44687	0.3616 26561
TRCN 000012 0420	NM_177420 .1-775s1c1	107 272	Psat1	0.206 33199 7	1.859 41833 8	1.746 67793 6	0.602 87372	2.487 25734 3	0.749 69391 2	1.027 55271 6	1.3145 55783	0.4156 26408	0.0392 12409
TRCN 000002 9860	NM_008737 .1-779s1c1	181 86	Nrp1	0.228 23821 8	1.857 94168 6	0.645 95197 1	0.078 31472 9	2.485 28209 4	0.277 24988 7	0.133 48153 9	1.3134 09615	1.8507 41223	- 8787
TRCN 000008 9636	NM_144848 .2-1560s1c1	223 650	Eppk1	0.895 64804 2	1.856 85567	0.420 76483 1	0.745 90009 2	2.483 82938 4	0.180 59702 1	1.271 33036 1	1.3125 66077	2.4691 53997	0.3463 3897
TRCN 000009 3124	NM_007681 .1-312s1c1	126 15	Cenpa	0.128 17338 6	1.856 8244	0.007 00630 6		2.483 78755 3	0.003 00718 6	1.704 42446 1	1.3125 4178	8.3773 70228	0.7692 84661
TRCN 000004 2238	NM_001001 327.1- 590s1c1	695 68	Vkorc11 1	1.715 57511 6	1.856 52064 7	0.005 41142 8		2.483 38123 7	0.002 32264 6	1.704 42446 1	1.3123 05754	8.7500 14988	0.7692 84661
TRCN 000010 3432	NM_010357 .1-302s1c1	148 60	Gsta4	0.890 92747 6	1.855 47795 5	0.476 83301 5	1.191 64300 2	2.481 98647 7	0.204 66212 1	2.031 06548 1	1.3114 95255	2.2886 83993	1.0222 36753
TRCN 000009 0654	NM_053252 .1-2243s1c1	114 601	G43000 2G23Ri k	0.716 24871 7	1.854 74870 1	0.141 23777 4		2.481 01098 7	0.060 62084 9	0.057 48814 1	1.3109 28124	4.0440 42135	4.1205 91822
TRCN 000009 3707	NM_024222 .2-804s1c1	682 92	Stt3b	0.105 47205 8	1.854 43792 3	1.081 89130 4	0.043 22098 3	2.480 59527 4	0.464 35997 6	0.073 66690 1	1.3106 86369	1.1066 84466	3.7628 39642
TRCN 000010 5819	NM_019466 .2-333s1c1	547 20	Dscr1	0.256 90504 8	1.853 97131 5	0.926 77223 9	0.075 60952 8	2.479 97111 5	0.397 78112 9	0.128 87072 9	1.3103 23317	1.3299 53292	2.9560 03484
TRCN 000005 5281	NM_008828 .1-703s1c1	186 55	Pgk1	0.232 21198	1.853 26981 2	1.001 89672 4	0.005 41065 8	2.479 03274 7	0.430 02539 8	0.009 22205 7	1.3097 77329	1.2175 06224	6.7606 95677
TRCN 000002 3953	NM_012025 .3-941s1c1	269 34	Racgap 1	0.445 51341 1	1.852 31942 3	0.671 05590 9	1.075 79474 3	2.477 76145 5	0.288 02478 1	1.833 61087 4	1.3090 373	1.7957 35152	0.8746 87505
TRCN 000012 4780	NM_021385 .1-1370s1c1	581 86	Rad18	0.267 40570 3	1.851 11756 4	0.872 20443 6	0.618 06313 5	2.476 15378 4	0.374 36000 2	1.053 44192 6	1.3081 00917	1.4175 01793	0.0751 10783
TRCN 000001 1924	NM_133753 .1-1317s1c1	741 55	Errfi1	0.405 6098	1.851 11117 8	0.381 59407 3	0.238 69247	2.476 14524 2	0.163 78448 9	0.406 83328 5	1.3080 9594	2.6101 29359	1.2974 90377
TRCN 000003 2332	NM_172880 .1-832s1c1	243 084	Tmprss 11e	0.408 78667 2	1.849 87388	0.452 52757 9	0.533 91411	2.474 49016 6	0.194 22995 2	0.910 01626 9	1.3071 31309	2.3641 62404	0.1360 35757
TRCN 000012 6455	NM_023516 .3-245s1c1	695 73	231001 6C08Ri k	0.563 98071 7	1.847 64626 6	0.812 02425 3	0.682 82672 2	2.471 51039 1	0.348 52998 8	1.163 82656 7	1.3053 92972	1.5206 45304	0.2188 76084
TRCN 000009 9051	NM_025298 .2-215s1c1	269 39	Polr3e	0.230 61074 9	1.844 49390 5	0.620 70301 9	0.748 58761 5	2.467 29362 4	0.266 41275 1	1.275 91104 1	1.3029 29416	1.9082 6496	0.3515 27745
TRCN 000008 8762	NM_013787 .2-821s1c1	274 01	Skp2	1.359 41301 5	1.843 75233 4	0.383 19410 7	0.255 47418 2	2.466 30166	0.164 47124 2	0.435 43644 4	1.3023 4927	2.6040 92746	1.1994 65935
TRCN 000010 5113	NM_024289 .1-2460s1c1	791 96	Osbp15	0.101 00241 8	1.842 58547	0.102 70428 8	2.811 28313 5	2.464 7408	0.044 08184 1	4.791 61974 1	1.3014 35936	4.5036 71708	2.2605 13422
TRCN 000017 5907	NM_181409 .2-1244s1c1	194 126	Mtmr11	1.102 11751 2	1.837 70527	0.914 93636 6	0.156 53052 8	2.458 21278 6	0.392 70102 9	0.266 79446	1.2976 09803	1.3484 96715	1.9061 99383

TRCN 000002 3200	NM_015806 .2-1210slcl	507 72	Mapk6	0.214 88698 1	1.837 12445 2	0.015 09552 4	67.27 80518 1	2.457 43585	0.006 47917	114.6 70357 2	1.2971 53756	- 7.2699 7536	- 6.8413 48686
TRCN 000001 2852	NM_009772 .1-3095slcl	122 35	Bub1	0.332 44771 1	1.835 42382 6	0.439 024	1.122 76806 7	2.455 16100 2	0.188 43406 3	1.913 67335 8	1.2958 17635	- 2.4078 68312	- 0.9363 44599
TRCN 000010 1520	NM_153389 .2-4711slcl	231 287	Atp10d	0.054 67610 6	1.835 03186 1	0.098 68673 7	38.03 82659 2	2.454 63668 8	0.042 35746 3	64.83 33508 7	1.2955 09506	- 4.5612 40011	- 6.0186 64235
TRCN 000009 9545	NM_198649 .2-2669slcl	319 713	Ablim3	0.100 76941 4	1.829 39216 1	0.699 30017	0.927 21197	2.447 09272 5	0.300 14753 7	1.580 36276 3	1.2910 68769	- 1.7362 56265	- 0.6602 55758
TRCN 000010 0807	NM_009120 .1-551slcl	202 24	Sar1a	0.082 20129 9	1.827 71972 2	0.607 17921 1	0.649 84621 2	2.444 85558	0.260 60818	1.107 61378	1.2897 49247	- 1.9400 45727	- 0.1474 54908
TRCN 000012 5735	NM_027399 .1-430slcl	703 58	Steap1	0.492 32311 6	1.826 78359 7	0.580 05031 4	0.563 09642 5	2.443 60337	0.248 96415 1	0.959 75532 1	1.2890 10135	- 2.0059 90075	- 0.0592 61441
TRCN 000010 0123	NM_010738 .2-248slcl	110 454	Ly6a	0.447 94655 6	1.826 27493 7	0.755 75937 5	1.335 01870 5	2.442 92295 8	0.324 38046 6	2.275 43853 7	1.2886 08367	- 1.6242 41152	- 1.1861 44618
TRCN 000019 3237	NM_181409 .2-387slcl	194 126	Mtmr11	0.419 82171 4	1.826 03317 5	0.009 08703 8	1.603 76104 5	2.442 59956 5	0.003 90026	2.733 48955 4	1.2884 1737	- 8.0022 14163	- 1.4507 43862
TRCN 000003 9066	NM_010773 .1-952slcl	171 91	Mbd2	0.063 61305 8	1.823 79588 7	3.628 33653 1	0.049 15999	2.439 60684 9	1.557 32304 9	0.083 78949	1.2866 48671	- 0.6390 68246	- 3.5770 86894
TRCN 000010 3119	NM_020564 .1-673slcl	574 29	Sult5a1	0.088 19743 3	1.823 26364 3	3.774 98772 2	0.015 61328 8	2.438 89489 1	1.620 26739 8	0.026 61167	1.2862 27584	- 0.6962 31925	- 5.2317 97144
TRCN 000002 2601	XM_356104 .1-879slcl	745 68	Mkl1	0.663 22657 5	1.818 11757 4	0.146 38430 5	0.129 44753 8	2.432 01123 4	0.062 82979 8	0.220 63355 1	1.2821 49893	- 3.9924 07245	- 2.1802 75904
TRCN 000011 3290	NM_172616 .1-3673slcl	224 171	C33002 7C09Ri k	0.147 83388 7	1.816 91668 1	0.097 61311 4	0.242 83658 3	2.430 40485 6	0.041 89665 2	0.413 89661 3	1.2811 96658	- 4.5770 21229	- 1.2726 57653
TRCN 000007 5456	NM_007792 .2-395slcl	130 08	Csrp2	0.541 82560 8	1.815 73998 9	0.433 05917 3	1.410 75095 9	2.428 83085	0.185 87389 2	2.404 51844 2	1.2802 6202	- 2.4276 03954	- 1.2657 47991
TRCN 000009 7287	NM_009035 .1-378slcl	196 64	Rbpsuh	19.30 13602 6	1.814 19291 7	0.987 38361 4	1.215 65723 3	2.426 76140 4	0.423 79620 7	2.071 99592 3	1.2790 32272	- 1.2385 57418	- 1.0510 21165
TRCN 000012 4983	NM_009998 .4-535slcl	130 88	Cyp2b1 0	0.288 67843 9	1.813 59355 8	2.524 31581 5	0.147 39982 4	2.425 95966 9	1.083 46487 9	0.251 23186 6	1.2785 55566	- 0.1156 52389	- 1.9929 08629
TRCN 000007 6401	NM_018753 .3-297slcl	544 01	Ywhab	0.485 95154 2	1.809 19401 1	1.326 41141 8	0.220 21904 9	2.420 0746	0.569 31077 3	0.375 34673 4	1.2750 5152	- 0.8127 11696	- 1.4137 04164
TRCN 000011 9643	NM_011171 .1-590slcl	191 24	Procr	0.216 82545 5	1.808 00326 1	1.576 27221 7	0.015 87309 9	2.418 48178 9	0.676 55385 2	0.027 05449 8	1.2741 01674	- 0.5637 23322	- 5.2079 87706
TRCN 000011 2348	NM_008409 .2-661slcl	164 31	Itm2a	0.821 87934 6	1.806 13782 6	0.476 05781 4	2.161 20325 4	2.415 98648 3	0.204 32939 4	3.683 60769 1	1.2726 12383	- 2.2910 31333	- 1.8811 19421
TRCN 000010 2338	NM_133188 .1-437slcl	702 48	Dazap1	0.101 99739 3	1.804 58139 9	0.027 08741 7		2.413 90452 2	0.011 62622 5	1.704 42446 1	1.2713 68614	- 6.4264 73406	- 0.7692 84661
TRCN 000012 5243	NM_019823 .2-1285slcl	564 48	Cyp2d2 2	0.278 11272 2	1.804 4377	0.236 16479 5	1.808 38944 6	2.413 71230 4	0.101 36459 9	3.082 26320 6	1.2712 53728	- 3.3023 74205	- 1.6239 90064
TRCN 000008 0550	NM_012023 .1-1035slcl	269 31	Ppp2r5c	0.250 88339 5	1.803 56042	0.178 86490 1	1.600 67019 8	2.412 53880 7	0.076 77083 7	2.728 22143 9	1.2705 52149	- 3.7032 97808	- 1.4479 60747
TRCN 000008 0972	NM_177594 .1-1548slcl	210 376	Mtmr9	0.181 36188 9	1.803 07391 2	0.969 42119 7	0.093 26716 1	2.411 88802 8	0.416 08653 5	0.158 96683	1.2701 62931	- 1.2650 44493	- 2.6532 02333
TRCN 000007 5943	NM_172308 .2-3319slcl	270 685	Mthfd11	0.200 73592 3	1.802 03579 1	0.509 15268 2	0.023 70147 6	2.410 49938 2	0.218 53408 6	0.040 39737 5	1.2693 3206	- 2.1940 69772	- 4.6295 94639

TRCN 000006 8404	NM_015747 .1-864slcl	205 15	Slc20a1	1.295 42166 9	1.801 38398 6	0.886 94401 2	0.141 60262 1	2.409 62749 3	0.380 68639 5	0.241 35097	1.2688 10136	- 1.3933 25083	- 2.0507 95468
TRCN 000017 5282	NM_010417 .1-4506slcl	152 03	Heph	0.311 5529 7	1.799 85642 7	0.480 59357 6	0.113 64360 7	2.407 58414 8	0.206 27619 5	0.193 69694 4	1.2675 86223	- 2.2773 50757	- 2.3681 26905
TRCN 000011 1393	NM_016658 .1-720slcl	144 30	Galt	0.887 14048 5	1.796 97001 5	0.159 63864 3	4.855 46500 2	2.403 72312 9	0.068 51871 8	8.275 77331 8	1.2652 7073	- 3.8673 58202	- 3.0488 94129
TRCN 000001 2266	NM_009807 .1-277slcl	123 62	Casp1	0.317 00864 7	1.794 23428 9	0.126 98319 9	1.564 01135 6	2.400 06367 6	0.054 50262 4	2.665 73921 2	1.2630 72682	- 4.1975 30496	- 1.4145 35649
TRCN 000011 2744	NM_023066 .1-208slcl	659 73	Asph	0.232 81846 1	1.793 45853 8	0.672 50521 8	0.111 22948 9	2.399 02597 9	0.288 64684 1	0.189 58224 6	1.2624 48781	- 1.7926 22661	- 2.3991 04231
TRCN 000007 1555	NM_021458 .1-2245slcl	143 65	Fzd3	0.253 97766 2	1.790 84094 8	0.906 87518 2	0.570 70545 4	2.395 52456 1	0.389 24107 8	0.972 72433 5	1.2603 41605	- 1.3612 64123	- 0.0398 97084
TRCN 000004 2768	NM_016894 .1-620slcl	518 01	Ramp1	0.114 14249 5	1.790 68298 9	0.299 48344 1	0.083 83390 5	2.395 31326 7	0.128 54167 8	0.142 88855 9	1.2602 14349	- 2.9596 91886	- 2.8070 3769
TRCN 000009 1605	NM_199473 .1-225slcl	329 941	Col8a2	0.262 92064 4	1.788 73201 3	0.153 03063 5	1.217 37175 6	2.392 70353 8	0.065 68247 8	2.074 9182	1.2586 41654	- 3.9283 47632	- 1.0530 54462
TRCN 000012 0664	NM_026917 .4-455slcl	690 35	Zdhhc3	0.482 32049 8	1.788 42390 7	0.826 54968 1	0.408 87729 3	2.392 29139 8	0.354 76446 5	0.696 90045 9	1.2583 93131	- 1.4950 66584	- 0.5209 7549
TRCN 000008 1747	NM_008241 .1-1509slcl	152 28	Foxg1	0.885 76794 4	1.788 15272	1.198 98494 4	0.234 90642 2	2.391 92864 5	0.400 38025 2	0.400 38025 2	1.2581 74352	- 0.9584 26484	- 1.3205 57277
TRCN 000011 5032	NM_029509 .2-122slcl	760 74	583044 3L24Ri k	1.429 52582 3	1.784 42031 3	0.005 44140 3	1.252 72882 5	2.386 93597 4	0.002 33551 2	2.135 18165 1	1.2551 59869	- 8.7420 45545	- 1.0943 58813
TRCN 000003 9175	NM_029669 .2-478slcl	765 94	Dnajc1 8	0.229 50256 8	1.783 2306	0.711 39576 9	1.402 18710 4	2.385 34455 3	0.305 33910 5	2.389 92199 9	1.2541 97672	- 1.7115 15728	- 1.2569 63533
TRCN 000008 8869	NM_031161 .1-334slcl	124 24	Cck	0.137 18919 5	1.782 43131 5	0.122 17041 6	0.283 93551 3	2.384 27538 6	0.052 43692 3	0.483 94663 4	1.2535 50878	- 4.2532 73152	- 1.0470 80128
TRCN 000005 4601	NM_009141 .1-312slcl	203 11	Cxcl5	0.252 81390 9	1.782 38745 6	0.404 63186 1	0.893 44925 8	2.384 21671 9	0.173 67256 8	1.522 81677	1.2535 15379	- 2.5255 582	- 0.6067 42363
TRCN 000002 4002	XM_139298 .4-1540slcl	105 787	Prkaa1	0.169 15396 7	1.781 62793 6	0.007 16883 2	73.45 13253 9	2.383 20074 4	0.003 07694 4	125.1 92235 7	1.2529 00479	- 8.3442 86303	- 6.9680 0128
TRCN 000005 5221	NM_207655 .1-2914slcl	136 49	Egfr	0.059 12044 4	1.781 35050 5	0.731 37301 2	0.145 25393 5	2.382 82963 8	0.313 91356 3	0.247 57435 9	1.2526 75809	- 1.6715 6073	- 2.0140 6619
TRCN 000012 5470	NM_025944 .2-974slcl	670 63	281043 2L12Ri k	0.431 57260 3	1.780 24496 1	0.793 28921 9	0.673 93366 3	2.381 35080 3	0.340 48869 9	1.148 66902	1.2517 80163	- 1.5543 2118	- 0.1999 63157
TRCN 000002 8776	NM_145358 .1-1516slcl	207 565	Camkk 2	0.029 55827 1	1.777 81828 9	0.118 45019 1	2.378 10475 1	0.050 84016 1	1.704 42446 1	1.704 42446 1	1.2498 12268	- 4.2978 87594	- 0.7692 84661
TRCN 000010 1883	NM_144900 .1-406slcl	119 28	Atp1a1	0.384 88984 5	1.777 65141 2	1.278 42189 5	1.364 29141 8	2.377 88153 3	0.548 71312 7	2.325 33166 4	1.2496 76841	- 0.8658 76005	- 1.2174 36504
TRCN 000008 6001	NM_021877 .2-2314slcl	154 60	Hr	0.227 11948 9	1.776 13528 4	0.025 31250 8	2.375 85348 1	0.010 86441 5	1.704 42446 1	1.704 42446 1	1.2484 45867	- 6.5242 45756	- 0.7692 84661
TRCN 000017 6294	NM_025558 .2-765slcl	664 27	Cyb5b	0.298 81714 3	1.775 82360 6	0.210 60660 1	2.030 22479 9	2.375 43656 2	0.090 39473 4	3.460 36480 8	1.2481 92679	- 3.4676 17464	- 1.7909 24141
TRCN 000011 3370	NM_172751 .1-4129slcl	234 094	Arhgef1 0	0.117 84066 7	1.774 05631 8	0.726 65016 8	0.064 41026 4	2.373 07254 3	0.311 88646 5	0.109 78242 9	1.2467 56203	- 1.6809 0715	- 3.1872 80928
TRCN 000012 6060	NM_007823 .1-532slcl	131 20	Cyp4b1	0.484 62834 3	1.773 50733 9	0.410 11464 8	1.365 53883 8	2.372 3382	0.176 02584 2	2.327 45779 8	1.2463 09695	- 2.5061 4085	- 1.2187 55009

TRCN 000007 1554	NM_021458 .1-1172slcl	143 65	Fzd3	1.264 24014 5	1.772 91581 9	0.200 88440 2	0.014 07389 9	2.371 54695	0.086 22185 6	0.023 98789 9	1.2458 2843	- 3.5358 02575	- 5.3815 49415
TRCN 000001 1803	NM_020266 .1-748slcl	568 12	Dnajb1 0	0.206 52842 2	1.772 34059 5	0.447 47943 9	1.044 12313	2.370 77750 1	0.192 06323 3	1.779 62900 2	1.2453 60271	- 2.3803 46729	- 0.8315 76515
TRCN 000002 4001	XM_139298 .4-213slcl	105 787	Prkaa1	0.626 27501 4	1.770 98620 9	1.411 33202	0.005 41887 3	2.368 96580 1	0.605 75965 5	0.009 23606	1.2442 57372	- 0.7231 82601	- 6.7585 06686
TRCN 000006 6339	NM_007910 .1-285slcl	136 39	Efna4	0.500 80037 2	1.770 62983 9	0.624 36574 8	0.701 82359 8	2.368 48910 1	0.267 98483 6	1.196 20530 8	1.2439 67033	- 1.8997 76726	- 0.2584 65024
TRCN 000008 0419	NM_027548 .1-702slcl	116 872	Serpnb 7	0.306 34970 8	1.770 60787 9	0.011 27516 5	1	2.368 45972 7	0.004 83942 8	1.704 42446 1	1.2439 49141	- 7.6909 47694	- 0.7692 84661
TRCN 000011 9644	NM_011171 .1-362slcl	191 24	Procr	0.255 67773 6	1.770 36289 9	0.911 12037 1	0.168 68423 3	2.368 13202 8	0.391 06316 1	0.287 50953 2	1.2437 49517	- 1.3545 26456	- 1.7983 18306
TRCN 000010 5816	NM_019466 .2-450slcl	547 20	Dscr1	0.555 68922 7	1.769 28116 7	0.369 30141 9	1.089 76503	2.366 68504 6	0.158 50834 3	1.857 42217 4	1.2428 67728	- 2.6573 69316	- 0.8933 01763
TRCN 000010 0535	NM_173413 .2-4306slcl	235 442	Rab8b	0.315 32003 2	1.769 06125 5	0.367 51734 3	2.244 06673 4	2.366 39088	0.157 74259 7	3.824 84223 4	1.2426 88397	- 2.6643 55792	- 1.9354 00241
TRCN 000002 7022	NM_152804 .1-1937slcl	206 20	Plk2	0.380 25713 1	1.768 47660 9	0.099 87066 4	2.897 95318 1	2.365 60882 6	0.042 86561 8	4.939 34228 8	1.2422 11531	- 4.5440 35251	- 2.3043 18948
TRCN 000002 7075	NM_013646 .1-193slcl	198 83	Rora	1.335 53605 4	1.768 16002 4	0.134 79910 6	2.521 96599 5	2.365 18534 6	0.057 8573	4.298 50053 2	1.2419 53244	- 4.1113 57189	- 2.1038 33485
TRCN 000002 4885	NM_021463 .2-899slcl	191 39	Prps1	0.296 48924 1	1.767 66773 9	14.20 57352 8	0.017 36616	2.364 52683 9	6.097 26214 6	0.029 59930 7	1.2415 51517	- 2.6081 61575	- 5.0782 92773
TRCN 000012 3976	NM_021314 .3-2124slcl	577 52	Tacc2	0.823 51089 9	1.765 04105 2	0.228 50965 9	0.780 52209 6	2.361 01324 2	0.098 07892 8	1.330 34095 3	1.2394 06133	- 3.3499 12974	- 0.4117 96041
TRCN 000009 1806	NM_007735 .1-1792slcl	128 29	Col4a4	0.622 97062 2	1.764 36026 2	0.380 99421 1	0.036 97945 1	2.360 10258 1	0.163 52702 2	0.063 02868	1.2388 49567	- 2.6123 99045	- 3.9878 47731
TRCN 000007 9139	NM_008115 .1-507slcl	145 86	Gfra2	0.029 40527 8	1.756 82464 8	0.676 44080 4	0.283 93551 3	2.350 02254 1	0.290 33603 8	0.483 94663 4	1.2326 74595	- 1.7842 04435	- 1.0470 80128
TRCN 000009 9161	NM_145595 .1-594slcl	234 309	Cbr4	0.212 12882 8	1.754 59625 6	1.571 86849 8	0.108 04372	2.347 04172 5	0.674 66372 5	0.184 15235 8	1.2308 4349	- 0.5677 595	- 2.4410 28221
TRCN 000019 3089	NM_177354 .2-1734slcl	238 328	Vash1	1.175 02289 5	1.754 51073 5	0.633 87799 9	1.083 72766 8	2.346 92732 7	0.272 06760 2	1.847 13194 6	1.2307 73169	- 1.8779 62927	- 0.8852 86926
TRCN 000008 0601	NM_019807 .2-292slcl	563 18	Acpp	0.481 91771 1	1.754 38509 6	0.013 66893 2	1	2.346 75926 6	0.005 86686	1.704 42446 1	1.2306 69856	- 7.4131 95647	- 0.7692 84661
TRCN 000009 7924	NM_008306 .2-722slcl	155 31	Ndst1	0.224 53249 5	1.753 24514 4	0.204 79322	4.018 80522 5	2.345 23440 5	0.087 89956 5	6.849 74992 8	1.2297 32127	- 3.5080 00167	- 2.7760 51319
TRCN 000007 7338	NM_011940 .1-1453slcl	263 88	Ifi202b	0.169 08965 4	1.747 95699 3	0.939 95348 6	0.461 22857 3	2.338 16069 1	0.786 0.403 43866	1.847 12926 2	1.2253 74083	- 1.3095 78755	- 0.3471 61543
TRCN 000011 1167	NM_015784 .1-1761slcl	507 06	Postn	0.209 77038 9	1.747 80015 4	0.009 16791	39.03 69458 3	2.337 95089 5	0.003 93497 1	66.53 55253 4	1.2252 44629	- 7.9894 31422	- 6.0560 5294
TRCN 000011 2740	NM_023066 .1-3533slcl	659 73	Asph	1.808 20657 5	1.747 63268 9	0.473 05426	1.147 66075 1	2.337 72688 6	0.203 04023 5	1.956 10105 6	1.2251 06391	- 2.3001 62449	- 0.9679 80905
TRCN 000008 0117	NM_009817 .1-819slcl	123 80	Cast	0.179 55834 4	1.746 94712 6	0.221 6616	1.137 80022 2	2.336 80983 9	0.095 13966 4	1.939 29453	1.2245 40338	- 3.3938 09258	- 0.9555 31929
TRCN 000008 5618	NM_177092 .2-219slcl	320 183	Msr3	1.807 01443	1.745 88963	0.277 3	0.258 92644 1	2.335 39527 6	0.119 18753 8	0.441 32056	1.2236 66753	- 3.0686 947	- 1.1801 01135

TRCN 000008 1924	NM_016791 .2-92s1c1	180 18	Nfatc1	1.095 30669 2	1.744 66902 6	13.30 89128 6	0.063 26861 9	2.333 76253 1	5.712 33582 5	0.107 83658 2	1.2226 57769	2.5140 80797	- 3.2130 81426
TRCN 000003 7067	NM_010317 .2-381s1c1	147 06	Gng4	0.075 03106 3	1.744 50716 5	0.368 38938 6	0.640 84977 5	2.333 54601 7	0.158 11688 8	1.092 28003 3	1.2225 23917	2.6609 36627	- 0.1273 42774
TRCN 000004 2415	NM_008675 .1-173s1c1	179 65	Nbl1	1.435 51519 4	1.744 05638 7	1.326 36974 7	0.056 79891 6	2.332 94302 2	0.569 29288 7	0.096 80946 1	1.2221 51073	0.8127 57021	- 3.3687 08139
TRCN 000017 7715	NM_011513 .1-304s1c1	209 33	Surf5	0.331 03255 5	1.743 58186 7	0.924 98945 1	0.183 54986 9	2.332 30829 9	0.397 01592 7	0.312 84688 7	1.2217 585	1.3327 31209	- 1.6764 71348
TRCN 000007 1557	NM_021458 .1-1513s1c1	143 65	Fzd3	0.174 78853 1	1.736 28975 7	0.054 13193 5		2.322 55397 3	0.023 23403 8	1.704 42446 1	1.2157 12123	5.4276 16263	- 0.7692 84661
TRCN 000004 1421	NM_019826 .2-628s1c1	563 57	Ivd	0.429 14435 3	1.735 83744 8	0.519 94623 6	1.515 16139 5	2.321 94894 9	0.223 16680 1	2.582 47814 4	1.2153 36247	2.1638 0567	- 1.3687 56139
TRCN 000019 5959	NM_023118 .1-1841s1c1	131 32	Dab2	0.571 43059 6	1.735 57251 1	0.658 45018 2	1.670 10822 6	2.321 59454 6	0.282 61426 1	2.846 57331 2	1.2151 16035	1.8230 9383	- 1.5092 26256
TRCN 000011 2347	NM_008409 .2-635s1c1	164 31	Itm2a	0.692 22482 4	1.734 96652 7	0.653 86733 3	0.303 68699 9	2.320 78395 9	0.280 64725 9	0.517 61154 9	1.2146 12223	1.8331 70174	- 0.9500 58288
TRCN 000012 0417	NM_177420 .1-1695s1c1	107 272	Psat1	0.349 36078 1	1.733 07723 7	0.591 56180 3	1.697 25792 1	2.318 25673 4	0.253 90501 2	2.892 84791 8	1.2130 40346	1.9776 39222	- 1.5324 9048
TRCN 000018 9925	NM_001033 312.1- 328s1c1	231 863	Fbx118	0.166 96709 8	1.732 75658 4	0.278 65636 3		2.317 82781 3	0.119 60246 1	1.704 42446 1	1.2127 73395	3.0636 81023	- 0.7692 84661
TRCN 000003 7306	NM_030706 .1-2042s1c1	808 90	Trim2	0.432 28995 5	1.731 61492 6	0.162 88867 1	0.049 95555 2	2.316 30067 9	0.069 91365 9	0.085 14546 5	1.2118 22536	3.8382 81857	- 3.5539 26499
TRCN 000010 3101	NM_010362 .1-470s1c1	148 73	Gsto1	0.483 57678 1	1.731 13351 1	0.150 27446 2	13.79 61341 9	2.315 65670 2	0.064 49949 8	23.51 44685 8	1.2114 21388	3.9545 68265	- 4.5554 76823
TRCN 000007 1832	NM_009524 .2-704s1c1	224 18	Wnt5a	0.139 66740 5	1.730 70426 2	0.009 13525 7	23.41 83729 7	2.315 08251 6	0.003 92095 6	39.91 48477 2	1.2110 63616	7.9945 79011	- 5.3188 53602
TRCN 000010 5187	NM_024406 .1-158s1c1	117 70	Fabp4	0.179 00831 9	1.730 3356 4	0.590 45218 7	1.587 45804 7	2.314 58937 4	0.253 42875 1	2.705 70232 5	1.2107 56271	1.9803 47891	- 1.4360 03126
TRCN 000008 4298	NM_011532 .1-1598s1c1	213 80	Tbx1	0.833 31147 1	1.730 07094 1	0.901 92522 5	0.644 73971 4	2.314 23535 2	0.387 11650 1	1.098 91013 9	1.2105 3559	1.3691 60292	- 0.1360 73417
TRCN 000001 2269	NM_007609 .1-1026s1c1	123 63	Casp4	0.231 57259 8	1.730 04498 9	1.017 37598 4	0.013 80174 9	2.314 20063 8	0.436 66927 1	0.023 52403 9	1.2105 13949	1.1953 87084	- 5.4097 20388
TRCN 000001 2124	NM_008720 .1-3856s1c1	181 45	Npc1	0.309 94489 5	1.729 36747 7	0.008 10585 9	71.99 41463 1	2.313 29436 1	0.003 47912 6	122.7 08584 6	1.2099 48857	8.1670 59188	- 6.9390 92365
TRCN 000017 5325	NM_173759 .2-198s1c1	225 583	A73001 7C20Ri k	0.208 82314 2	1.729 09436 6	4.237 02332 3	0.084 16885 8	2.312 92903 3	1.818 5783 5	0.143 45946 9	1.2097 21001	0.8628 11043	- 2.8012 84989
TRCN 000009 1289	NM_011699 .2-367s1c1	223 43	Lin7c	0.132 97784 5	1.728 63248 4	0.350 08259 4	3.883 94876 5	2.312 31119 5	0.150 25940 6	6.619 89727 1	1.2093 35572	2.7344 7279	- 2.7268 08829
TRCN 000004 1410	NM_138665 .1-286s1c1	192 166	Sardh	0.392 12552 2	1.727 57276 6	0.007 2.150 78388	0.007 44147 9	2.310 89366 1	0.923 14075 9	0.012 68343 9	1.2084 50873	0.1153 77463	- 6.3009 10242
TRCN 000007 7274	NM_019738 .1-76s1c1	563 12	Nupr1	0.398 90490 3	1.727 52791 3	0.006 33613 3	52.87 50673 2	2.310 83365 8	0.002 71954 8	90.12 15581 4	1.2084 13413	8.5224 21781	- 6.4938 00351
TRCN 000006 5353	NM_009851 .1-1322s1c1	125 05	Cd44	0.149 69900 5	1.727 09929 9	2.360 35780 1	0.105 09865 1	2.310 26032 5	1.013 09224 7	0.179 13271 1	1.2080 55427	0.0187 65544	- 2.4808 99284
TRCN 000001 2726	XM_148699 .3-7277s1c1	129 14	Crebbp	0.151 99821 1	1.725 64540 8	0.012 45680 8	3.415 04418 4	2.308 31551 4	0.005 34660 3	5.820 68483 4	1.2068 40433	7.5471 61814	- 2.5411 88904

TRCN 000007 0890	NM_008270 .1-431slcl	154 17	Hoxb9	0.152 57574 9	1.725 21877 5	0.306 27231 1	1	2.307 74483 6	0.131 45553 8	1.704 42446 1	1.2064 83716	2.9273 53177	- 0.7692 84661
TRCN 000007 7275	NM_019738 .1-239slcl	563 12	Nupr1	0.244 29590 3	1.718 29299 9	0.334 60067 2	2.499 34843 6	2.298 48054 8	0.143 61439	4.259 95061	1.2006 80456	2.7997 2778	- 2.0908 36704
TRCN 000009 8788	NM_144799 .1-400slcl	309 37	Lmcd1	0.081 82133 1	1.717 94446 6	0.282 83100 4	0.148 39345 4	2.298 01433	0.121 39426	0.252 92543 3	1.2003 87795	3.0422 27844	- 1.9832 15978
TRCN 000008 6165	NM_011448 .2-944slcl	206 82	Sox9	0.693 75184	1.717 65250 1	0.459 78333 4	1.303 08924 6	2.297 62378 3	0.197 34420 4	2.221 01718 5	1.2001 42588	2.3412 13948	- 1.1512 20556
TRCN 000010 4327	NM_026517 .1-317slcl	680 28	Rpl22l1	0.484 26983 1	1.717 20644 5	0.276 20058 2	1.644 79621 2	2.297 02711 5	0.118 54841 2	2.803 43089 6	1.1997 67887	3.0764 51762	- 1.4871 93508
TRCN 000002 7059	NM_013646 .1-1374slcl	198 83	Rora	0.180 97523 6	1.714 14239 5	2.984 88361 2	0.201 13274 9	2.292 92847 8	1.281 14578 3	0.342 81557 7	1.1971 91354	0.3574 34651	- 1.5444 95432
TRCN 000011 2786	NM_008536 .2-180slcl	171 12	Tm4sf1	0.551 05993 8	1.709 98870 8	0.318 90743 5	1.284 79683 2	2.287 37228 4	0.136 87867 6	2.189 83914 7	1.1936 91192	2.8690 30387	- 1.1308 24902
TRCN 000004 1783	NM_029573 .2-662slcl	678 34	Idh3a	0.136 53546 3	1.709 20917 6	0.024 90453 9	1	2.286 32954	0.010 68931	1.704 42446 1	1.1930 33361	6.5476 87497	- 0.7692 84661
TRCN 000011 2986	NM_001009 818.1- 693slcl	523 98	39335	0.388 89199 3	1.709 11307 8	0.007 39524 7	47.84 51056 3	2.286 20099 5	0.003 17412 4	81.54 83683 6	1.1929 52246	8.2994 25944	- 6.3495 84106
TRCN 000009 5672	NM_013860 .1-2186slcl	298 06	Limd1	0.084 80773 9	1.704 88538 7	0.381 98470 1	11.26 39377 6	2.280 54580 9	0.163 95215 1	19.19 85310 5	1.1893 7915	2.6086 53265	- 4.2629 24024
TRCN 000009 1375	XM_127565 .6-2158slcl	286 940	Flnb	0.307 56493 3	1.704 59673 5	0.707 65451 1	0.729 45085 8	2.280 15969 3	0.303 73331 4	1.243 29388 5	1.1891 34868	1.7191 22938	- 0.3141 67355
TRCN 000011 4790	NM_010917 .1-2829slcl	180 73	Nid1	0.396 62348 1	1.702 66769	0.052 54757 1	10.74 55228 1	2.277 57929 9	0.022 55401 2	18.31 49319 2	1.1875 01285	5.4704 72131	- 4.1949 48433
TRCN 000007 7341	NM_011940 .1-704slcl	263 88	Ifi202b	0.148 83262 7	1.700 32697 7	0.307 92067 1	0.063 08613	2.274 44823 6	0.132 16303 3	0.107 52554 3	1.1855 16601	2.9196 094	- 3.2172 48672
TRCN 000008 1316	NM_181320 .2-539slcl	706 86	Dusp16	0.125 79964 6	1.697 89941 8	1.958 34624 1	0.430 63269 5	2.271 20100 4	0.840 54434 1	0.733 98089 9	1.1834 55392	0.2506 04167	- 0.4461 85575
TRCN 000006 5371	NM_019568 .1-438slcl	572 66	Cxcl14	0.463 41186 1	1.697 71485 8	0.083 32111 2	1	2.270 95412 6	0.035 76236 3	1.704 42446 1	1.1832 98564	4.8054 14118	- 0.7692 84661
TRCN 000009 9546	NM_198649 .2-896slcl	319 713	Ablim3	0.567 76279 6	1.697 17578 3	0.744 82194 1	0.357 11983	2.270 23303 1	0.319 68599 6	0.608 68377 4	1.1828 40393	1.6452 7255	- 0.7162 35187
TRCN 000012 5581	NM_011574 .1-1520slcl	217 71	Cirh1a	0.285 43479 6	1.696 16691 1	0.864 52964 2	0.717 73992 1	2.268 88351	0.371 06589 4	1.223 33347 8	1.1819 82539	1.4302 52691	- 0.2908 17733
TRCN 000011 1485	NM_008581 .1-2603slcl	172 76	Mela	0.246 32876 4	1.695 29289 9	0.228 35751 5	0.018 9252	2.267 71438 4	0.098 01362 7	0.032 25657 4	1.1812 38946	3.3508 73853	- 4.9542 62969
TRCN 000009 5492	NM_172870 .3-1387slcl	242 509	Bnc2	0.455 32668 5	1.692 92718 5	0.540 45656 3	1.093 35393 9	2.264 54987 9	0.231 97006 4	1.863 53918 8	1.1792 24317	2.1079 89458	- 0.8980 45157
TRCN 000019 2634	NM_177282 .2-3274slcl	320 878	Mical2	0.260 39195 4	1.692 42253 4	0.101 15277 3	3.735 11872 5	2.263 87483 1	0.043 41591 4	6.366 22771 8	1.1787 94194	4.5256 32249	- 2.6704 38763
TRCN 000001 2135	XM_140742 .4-116slcl	737 13	111001 8J23Rik	0.109 40170 1	1.690 70653	0.435 85809 5	1	2.261 57941 3	0.187 07522 1	1.704 42446 1	1.1773 30656	2.4183 09618	- 0.7692 84661
TRCN 000009 5867	NM_009534 .1-1107slcl	226 01	Yap1	0.033 16758 4	1.690 70653 8	0.557 99165 8	2.195 94772 5	2.261 57941 3	0.239 49632 6	3.742 82701 6	1.1773 30656	2.0619 24568	- 1.9041 28372
TRCN 000009 9160	NM_145595 .1-842slcl	234 309	Cbr4	0.447 41797 9	1.687 88153 4	0.325 64173 6	0.794 15699 1	2.257 80054 7	0.139 76911 4	1.353 58060 1	1.1749 18045	2.8388 82509	- 0.4367 80798

TRCN 000007 1828	NM_009524 .2-1230slcl	224 18	Wnt5a	0.285 96477 8	1.685 90635	0.555 65085 1	0.019 44068	2.255 15843 5	0.238 49162 5	0.033 13517 1	1.1732 28793	- 2.0679 89488	- 4.9154 92831
TRCN 000008 0115	NM_009817 .1-738slcl	123 80	Cast	0.149 19847 9	1.681 79840 3	0.010 09051 7	30.02 09052 7	2.249 66342 6	0.004 33096 1	51.16 83652 7	1.1697 09175	- 7.8510 97142	- 5.6771 80238
TRCN 000019 2209	NM_172395 .1-1165slcl	579 12	Cdc42s e1	0.150 49916 1	1.681 58280 5	0.234 18399 9	3.643 75310 5	2.249 37503 1	0.100 51441 9	6.210 50192	1.1695 24217	- 3.3145 2562	- 2.6347 09869
TRCN 000010 0668	NM_010762 .2-353slcl	171 53	Mal	0.321 12547 7	1.681 14627 1	0.176 35165 7	0.027 31010 2	2.248 7911	0.075 69212 4	0.046 54800 7	1.1691 49649	- 3.7237 12991	- 4.4251 36801
TRCN 000019 4147	NM_025558 .2-257slcl	664 27	Cyb5b	0.296 48924 1	1.679 68211 2	0.388 69258 4	0.416 48094	2.246 83256 1	0.166 83125 1	0.709 86030 2	1.1678 92616	- 2.5835 38538	- 0.4943 92959
TRCN 000012 1049	NM_181516 .2-380slcl	668 26	Taz	0.557 62053 9	1.679 31532 8	0.861 92559 6	0.361 31394 5	2.246 34193 2	0.369 94820 8	0.615 83232 7	1.1675 77547	- 1.4346 04785	- 0.6993 90495
TRCN 000009 6099	NM_008393 .2-1716slcl	163 73	Irx3	0.467 96919 2	1.676 11404 3	0.433 55258 3	0.988 32382 6	2.242 05972 2	0.186 08566 9	1.684 52330 4	1.1648 24708	- 2.4259 61142	- 0.7523 40387
TRCN 000017 8616	NM_026515 .1-152slcl	680 26	281041 7H13Ri k	0.127 74879 7	1.673 09022	0.073 42324	1	2.238 01489 4	0.031 51408 4	1.704 42446 1	1.1622 19638	- 4.9878 59444	- 0.7692 84661
TRCN 000019 0489	NM_007900 .1-2126slcl	136 05	Ect2	0.044 20677 1	1.672 23229 2	0.507 42269 7	1.603 76104 5	2.236 86728 5	0.217 79155 7	1.704 42446 1	1.1614 79663	- 2.1989 8007	- 0.7692 84661
TRCN 000019 3570	NM_145374 .1-3114slcl	252 875	BC0200 02	0.049 50051 7	1.672 23229 2	0.507 42269 7	1.603 76104 5	2.236 86728 5	0.217 79155 7	2.733 48955 4	1.1614 79663	- 2.1989 8007	- 1.4507 43862
TRCN 000002 8752	XM_358310 .1-4138slcl	110 789	Gpr98	0.361 49936 2	1.671 48417 8	0.324 11145 4	1.147 38925 7	2.235 86656 6	0.139 1123 6	1.955 63831 6	1.1608 34093	- 2.8456 78114	- 0.9676 39577
TRCN 000007 5562	NM_008453 .2-372slcl	165 99	Klf3	0.318 62794 8	1.669 49912 6	0.007 46314	89.75 28736	2.233 21125 5	0.003 20326 4	152.9 76993 2	1.1591 19732	- 8.2862 41626	- 7.2571 70886
TRCN 000002 5679	NM_153533 .1-941slcl	209 039	Tenc1	0.251 32216 7	1.668 79109 4	0.264 79112 2	0.588 65965 4	2.232 26415 4	0.113 65134 2	1.003 32591 4	1.1585 07758	- 3.1373 13372	- 0.0047 90318
TRCN 000006 8406	NM_015747 .1-2467slcl	205 15	Slc20a1	0.261 20278 4	1.667 55050 9	0.278 7864	0.030 61456 8	2.230 60468 1	0.119 65827 4	0.052 18021 8	1.1574 34855	- 3.0630 07938	- 4.2603 53205
TRCN 000000 9567	NM_020266 .1-456slcl	568 12	Dnajb1 0	0.264 50748 2	1.665 23610 3	0.124 29418 2	5.077 25142 7	2.227 50880 8	0.053 34846 8	8.653 79152 5	1.1554 31136	- 4.2284 09357	- 3.1133 32366
TRCN 000008 0969	NM_177594 .1-657slcl	210 376	Mtmr9	0.947 05722 9	1.663 43559	0.657 07956	0.721 53519 1	2.225 10034 6	0.282 02597 4	1.229 80222 9	1.1538 70399	- 1.8261 00058	- 0.2984 26326
TRCN 000010 3222	NM_010360 .1-720slcl	148 66	Gstm5	0.299 33796 2	1.662 86876 4	0.193 42843	3.969 82652 4	2.224 34212 8	0.083 02166 9	6.766 26943 2	1.1533 78708	- 3.5903 68261	- 2.7583 60626
TRCN 000010 4786	NM_019686 .3-488slcl	565 06	Cib2	0.211 20398 5	1.661 07454 5	2.460 84139 7	0.329 94938 4	2.221 94208 5	1.056 22094 2	0.562 37380 1	1.1518 21214	- 0.0789 11651	- 0.8303 98709
TRCN 000008 8093	NM_013726 .1-2110slcl	272 14	Dbf4	0.915 00612 1	1.660 31385 9	0.365 34213 1	1.078 47161 7	2.220 92455 2	0.156 80897 2	1.838 17340 4	1.1511 60383	- 2.6729 19989	- 0.8782 72869
TRCN 000011 9808	NM_028779 .3-2137slcl	109 674	Ampd2	0.316 28789 6	1.660 24567 3	0.813 49044 5	0.346 22319 8	2.220 83334 2	0.349 15929 4	0.590 11128 8	1.1511 01133	- 1.5180 42722	- 0.7609 4104
TRCN 000019 2137	NM_025335 .1-220slcl	660 74	061004 1E09Ri k	0.507 78573 6	1.659 61417 5	0.595 97781 7	0.674 22346 2	2.219 98861 7	0.255 80041 5	1.149 16296 1	1.1505 52279	- 1.9669 09488	- 0.2005 83399
TRCN 000008 9996	NM_146243 .1-690slcl	667 13	Actr2	0.150 06942 6	1.658 88057 6	0.817 33417 8	97.97 55854 3	2.219 00731 6	0.350 80906 7	166.9 91984 4	1.1499 14424	- 1.5112 42057	- 7.3836 35045
TRCN 000008 0548	NM_012023 .1-528slcl	269 31	Ppp2r5c	0.081 43987 2	1.657 24281 1	0.038 58657 3	10.66 01767 2	2.216 81655 3	0.016 56179 3	18.16 94659 5	1.1484 89389	- 5.9159 97311	- 4.1834 44111

TRCN 000008 8868	NM_031161 .1-481slcl	124 24	Cck	0.150 99089 1	1.656 54871	0.232 73964 5	0.540 29776 1	2.215 88808 6	0.099 89448 6	0.920 89672	1.1478 8502	- 3.3234 51141	- 0.1188 88731
TRCN 000009 0586	NM_053185 .1-389slcl	942 16	Col4a6	0.360 31624 4	1.649 40561 5	1.654 34172 5	0.735 42972 9	2.206 33310 1	0.710 06216 7	1.253 48442	1.1416 50618	- 0.4939 82755	0.3259 44064
TRCN 000011 4175	NM_026438 .2-352slcl	678 95	Ppa1	0.659 48823 3	1.647 87455 1	0.009 53139 9	96.04 62282 6	2.204 28506 8	0.004 09098 4	163.7 03540 8	1.1403 10812	- 7.9333 36386	7.3549 41716
TRCN 000010 0436	NM_133685 .1-407slcl	106 572	Rab31	0.147 9742	1.647 87095 3	0.353 82306	2.710 19793 4	2.204 28025 6	0.151 86485 7	4.619 32765 3	1.1403 07662	- 2.7191 40044	2.2076 82881
TRCN 000001 2878	NM_025389 .2-601slcl	661 56	Anapc1 1	0.055 23020 3	1.647 16235 8	0.777 22396 1	0.781 11937 5	2.203 33240 1	0.333 59330 9	1.331 35896 9	1.1396 8716	- 1.5838 37744	0.4128 99612
TRCN 000002 2960	XM_140553 .3-244slcl	240 505	Cdc42b pg	0.042 00260 5	1.647 16235 8	0.947 34322 7	0.640 84977 5	2.203 33240 1	0.406 61042 1	1.092 28003 3	1.1396 8716	- 1.2982 80906	0.1273 42774
TRCN 000002 3561	NM_007936 .2-552slcl	138 38	Epha4	0.047 71666	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000002 7476	XM_134499 .4-169slcl	136 17	Ednra	0.009 39079 9	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000003 1270	NM_008609 .2-340slcl	173 88	Mmp15	0.055 23020 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000004 1416	NM_007861 .2-960slcl	133 82	Did	0.080 61900 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000006 6671	NM_008357 .1-768slcl	161 68	Il15	0.080 61900 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000006 7940	NM_011198 .2-162slcl	192 25	Ptgs2	0.018 12608 5	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000007 6445	NM_009660 .2-190slcl	116 87	Alox15	0.080 61900 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000007 8964	NM_008882 .1-3892slcl	188 45	Plxna2	0.055 23020 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000008 0779	XM_146511 .4-424slcl	244 650	Phlpp1	0.080 61900 3	1.647 16235 8	1.287 58176	0.471 50768 4	2.203 33240 1	0.552 64464 5	0.803 64923 1	1.1396 8716	- 0.8555 75982	- 0.3153 6215
TRCN 000008 0820	NM_008248 .1-205slcl	152 54	Hint1	0.080 61900 3	1.647 16235 8	71.54 68388 2	0.018 73174 3	2.203 33240 1	30.70 87118 9	0.031 92684 2	1.1396 8716	- 4.9405 76093	- 4.9690 86351
TRCN 000008 6909	XM_485626 .1-160slcl	433 903	UNK	0.055 23020 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000009 3305	NM_029825 .1-1120slcl	769 83	Scfd1	0.065 55215 2	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000009 6763	NM_183029 .1-227slcl	319 765	Igf2bp2	0.013 83601 5	1.647 16235 8	18.46 96276 8	0.032 87043 5	2.203 33240 1	7.927 37295 5	0.056 02517 3	1.1396 8716	- 2.9868 42852	- 4.1577 80983
TRCN 000009 9962	NM_027209 .2-795slcl	697 74	Ms4a6b	0.080 61900 3	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000010 0400	NM_029494 .2-1466slcl	759 85	Rab30	0.065 55215 2	1.647 16235 8	0.607 10469 4	1 1	2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000010 5704	NM_175413 .1-498slcl	109 245	Lrrc39	0.030 90133 2	1.647 16235 8	189.2 69371 2	0.973 46301 7	2.203 33240 1	81.23 65533 8	1.659 19417 8	1.1396 8716	- 6.3440 57127	0.7304 82737
TRCN 000011 0575	NM_009222 .2-1014slcl	206 19	Snap23	0.065 55215 2	1.647 16235 8	1.287 58176	0.471 50768 4	2.203 33240 1	0.552 64464 5	0.803 64923 1	1.1396 8716	- 0.8555 75982	- 0.3153 6215

TRCN 000011 4258	NM_012031 .1-2557s1c1	269 42	Spag1	0.004 42029 1	1.647 16235 8	0.607 10469 4		2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000011 4473	NM_145565 .1-185s1c1	231 691	Sds	0.080 61900 3	1.647 16235 8	0.777 22396 1	0.781 11937 5	2.203 33240 1	0.333 59330 9	1.331 35896 9	1.1396 8716	- 1.5838 37744	0.4128 99612
TRCN 000011 5120	NM_033041 .2-178s1c1	846 53	Hes7	0.018 12608 5	1.647 16235 8	0.607 10469 4		2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000012 4850	NM_175731 .2-412s1c1	171 168	Asah3	0.042 00260 5	1.647 16235 8	0.607 10469 4		2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000019 2317	NM_027019 .1-441s1c1	692 87	Odf3	0.047 71666 8	1.647 16235 8	0.777 22396 1	0.781 11937 5	2.203 33240 1	0.333 59330 9	1.331 35896 9	1.1396 8716	- 1.5838 37744	0.4128 99612
TRCN 000019 3283	NM_001010 839.1- 648s1c1	435 207	Taar7f	0.065 55215 2	1.647 16235 8	0.607 10469 4		2.203 33240 1	0.260 57619 7	1.704 42446 1	1.1396 8716	- 1.9402 22793	0.7692 84661
TRCN 000010 9341	NM_030732 .2-365s1c1	810 04	Tbl1xr1	0.595 18159 5	1.642 88512 6	0.600 47006 2	1.408 74261 2	2.197 61094 7	0.257 72853 7	2.401 09536 7	1.1359 36002	- 1.9560 75809	1.2636 92706
TRCN 000018 3154	NM_029523 .2-2796s1c1	761 31	Depdc1 a	0.420 66483 1	1.642 10069 7	1.342 46477 2	0.015 52237 2	2.196 56165 2	0.576 20105 4	0.026 45671 1	1.1352 46993	- 0.7953 55796	5.2402 22491
TRCN 000008 0838	XM_284491 .4-1806s1c1	736 99	Ppp2r1 b	1.161 50621 2	1.640 97675 3	0.008 22387 5	85.28 47528 4	2.195 05820 6		145.3 61418 9	1.1342 59196	- 8.1462 05933	7.1835 00597
TRCN 000001 8472	NM_008548 .2-2085s1c1	171 55	Man1a	0.311 77252 6	1.638 76868 4	0.538 28378 9	0.383 00839 7	2.192 10457 4	0.231 03748 6		0.652 80888	- 2.1138 01143	0.6152 67412
TRCN 000017 5156	NM_028975 .2-201s1c1	678 78	Tmem3 3	0.621 94846 4	1.638 72992 2	0.056 51511 6	5.252 65477 9	2.192 05272 4	0.024 25692 7		8.952 75329	- 5.3654 59416	3.1623 31431
TRCN 000012 0985	NM_027530 .2-1221s1c1	528 22	Rufy3	0.094 37820 4	1.637 06244 2	0.219 32744 3	1.603 76104 5	2.189 82221 4	0.094 13781 7	2.733 48955 4	1.1308 13746	- 3.4090 81786	1.4507 43862
TRCN 000007 6463	NM_011030 .1-2684s1c1	184 51	P4ha1	0.406 49426 2	1.633 17874 5	0.006 11853 7	9.452 65462 9	2.184 62717 2	0.002 62614 5	16.11 13357 7	1.1273 87091	- 8.5728 37481	4.0100 04206
TRCN 000010 1833	NM_011061 .1-1035s1c1	186 02	Padi4	0.281 47453 4	1.631 17127 4	0.950 49024 6	1.065 44721 6	2.181 94186 7	0.407 96115 4	1.815 97429 7	1.1256 12665	- 1.2934 96308	0.8607 43783
TRCN 000011 0543	NM_009497 .2-374s1c1	223 18	Vamp2	0.203 02481 6	1.630 37097 6	0.378 93216 6	0.763 08808 4	2.180 87134 3	0.162 64196 9	1.300 62599 5	1.1249 04663	- 2.6202 28513	0.3792 06164
TRCN 000009 4892	NM_175164 .3-2687s1c1	713 02	Arhgap 26	0.141 12212 7	1.627 24749 4	0.010 50838 3	81.90 39800 2	2.176 69321 5	0.004 51031 7		139.5 99147	- 7.7925 55581	7.1251 46316
TRCN 000012 0666	NM_026917 .4-729s1c1	690 35	Zdhhc3	0.419 18616 4	1.624 12798 3	0.549 14369 9	0.403 21720 1	2.172 52038 9	0.235 69868 2		0.687 25326	- 2.0849 84402	0.5410 8625
TRCN 000006 7768	NM_010187 .1-1198s1c1	141 30	Fcgr2b	0.187 60533 5	1.624 10916 6	1.215 69788 5	0.839 19172 4	2.172 49522 4	0.521 79127 3	1.430 33890 2	1.1193 53003	- 0.9384 5528	0.5163 57017
TRCN 000007 1890	NM_173761 .3-672s1c1	228 994	Ythdf1	0.388 86362 6	1.623 28396 4	0.172 01658 4	1.927 49451 7	2.171 39138 5	0.073 83146 2	3.285 26880 3	1.1186 1979	- 3.7596 20457	1.7160 11417
TRCN 000012 0072	NM_007998 .3-1755s1c1	141 51	Fech	0.075 61971 8	1.622 32192 8	0.929 97741 8	0.091 64191 5	2.170 10451 4	0.399 15681 9	0.156 19672 1	1.1177 64526	- 1.3249 72437	2.6785 63924
TRCN 000001 2372	NM_009736 .1-798s1c1	120 17	Bag1	0.577 15033 5	1.621 47194 2	0.909 47238 3	0.864 96494 3	2.168 96752 7	0.390 35582 6	1.474 26740 6	1.1170 08454	- 1.3571 38292	0.5599 98228
TRCN 000004 1780	NM_021557 .2-998s1c1	172 52	Rdh11	0.312 18587 9	1.621 24777 7	0.469 16635 5	0.844 43061 3	2.168 66767 3	0.201 37150 2	1.439 26819 2	1.1168 08991	- 2.3120 68564	0.5253 35447
TRCN 000011 0715	NM_009674 .1-1643s1c1	117 50	Anxa7	0.425 89756 6	1.620 07753 3	0.915 20034 2	0.998 98248 7	2.167 10229 1	0.392 81433 1	1.702 69018 7	1.1157 67253	- 1.3480 8053	0.7678 15954

TRCN 000006 8568	NM_011027 .1-876s1c1	184 39	P2rx7	2.421 30828 5	1.619 61773 8	0.559 02562 9	0.523 31041 1	2.166 48724 5	0.239 94011 8	0.891 94306 4	1.1153 57743	2.0592 53696	- -	- 76474
TRCN 000018 2355	NM_013865 .1-264s1c1	298 12	Ndrg3	0.171 48441 3	1.618 07983 3	0.039 07445 2		2.164 43006 1	0.016 77119 6	1.704 42446 1	1.1139 87184	5.8978 70581	- 84661	0.7692 84661
TRCN 000003 0940	NM_174874 .1-384s1c1	666 15	Atg4b	0.321 11858 6	1.617 78108 4	0.317 53008 7	0.162 18613 9	2.164 03043 8	0.136 28750 2	0.276 43402 3	1.1137 20792	2.8752 74821	- 92905	1.8549 92905
TRCN 000018 7106	XM_484705 .1-2678s1c1	135 10	Dsg1a	0.512 34014 3	1.614 97565 3	0.450 42946 1	0.555 39095 5	2.160 27774 4	0.193 32941 6	0.946 62193 3	1.1112 1681	2.3708 66931	- 39751	0.0791 39751
TRCN 000018 0565	NM_145223 .1-6112s1c1	236 266	Alms1	0.713 44580 3	1.613 71055 6	0.703 25833 9	0.008 82619 5	2.158 58548 3	0.301 84642 8	0.015 04358 2	1.1100 86227	1.7281 13368	- 08082	6.0547 08082
TRCN 000007 7172	NM_009672 .2-346s1c1	117 37	Anp32a	0.575 03902 5	1.612 57357 7	0.757 46294 2	0.480 89589 8	2.157 06459 9	0.325 11165 6	0.819 65073 1	1.1090 69382	1.6209 92813	- 18814	0.2869 18814
TRCN 000019 3422	NM_177715 .3-4148s1c1	239 217	Kctd12	0.369 36107 2	1.612 18147 4	1.903 75168 3	0.541 83664 7	2.156 54010 1	0.817 11174 4	0.923 51963 6	1.1087 18543	0.2913 94715	- 85461	0.1147 85461
TRCN 000012 1359	NM_145448 .2-1230s1c1	217 830	903061 7O03Ri k	0.102 25425 6	1.611 25403 9	0.479 95538 6	0.782 80583 6	2.155 29951 4	0.206 00227 6	1.334 23341 5	1.1078 88369	2.2792 67816	- 11078	0.4160 11078
TRCN 000011 4409	NM_178396 .3-1071s1c1	764 59	Car12	0.172 24848 5	1.610 20459 3	0.874 88680 5	1.732 55348 9	2.153 89571 9	0.375 51130 5	2.953 00654 6	1.1069 48403	1.4130 71752	- 84554	1.5621 84554
TRCN 000017 5288	NM_026521 .3-375s1c1	680 36	Zfp706	0.404 74106 3	1.608 98212 1	0.211 96542 2	2.115 09705 8	2.152 26047 5	0.090 97795 5	3.605 02316 2	1.1058 52689	3.4583 39185	- 08529	1.8500 08529
TRCN 000001 2127	NM_008720 .1-781s1c1	181 45	Npc1	0.720 15526 5	1.608 72223 9	1.154 18847 5	1.094 06568 2	2.151 91284 3	0.495 39073 9	1.864 75230 9	1.1056 19647	1.0133 61197	- 84013	0.8989 84013
TRCN 000011 9311	NM_011360 .2-781s1c1	203 92	Sgce	0.073 57625 6	1.607 01307 4	2.182 16491 8	0.105 07599 8	2.149 62657 3	0.936 60984 7	0.179 09410 1	1.1040 86061	0.0944 79889	- 10279	2.4812 10279
TRCN 000012 4470	NM_020010 .2-886s1c1	131 21	Cyp51	0.168 60359 3	1.605 40278 5	0.611 89576 1	0.138 18169 8	2.147 47256 4	0.262 63257 7	0.235 52026 6	1.1026 397	1.9288 82216	- 7689	2.0860 7689
TRCN 000017 8160	NM_023719 .1-554s1c1	563 38	Txnip	0.597 50832 8	1.604 46215 7	0.510 08872 3	0.681 68806 7	2.146 21432 9	0.218 93584 5	1.161 88581 6	1.1017 94156	2.1914 19915	- 68295	0.2164 68295
TRCN 000009 0504	NM_007742 .2-3676s1c1	128 42	Coll1a1	0.049 38643 8	1.602 79512 8	3.797 35769 6	0.147 74859 1	2.143 98442 2	1.629 86884 3	0.251 82631 3	1.1002 94424	0.7047 55875	- 99057	1.9894 99057
TRCN 000008 0198	NM_026323 .1-558s1c1	677 01	Wfdc2	0.390 78632 4	1.601 90597 3	0.054 13193 5		2.142 79504 1	0.023 23403 8	1.704 42446 1	1.0994 93862	5.4276 16263	- 84661	0.7692 84661
TRCN 000009 4211	NM_009655 .1-2935s1c1	116 58	Alcam	0.129 22132 1	1.600 80165 2	0.282 25548 2	0.286 3269 3	2.141 31784 3	0.121 14724 3	0.488 02257 2	1.0984 98954	3.0451 66521	- 80219	1.0349 80219
TRCN 000008 7888	NM_133718 .2-3326s1c1	699 81	Tmem3 0a	0.707 70642 6	1.598 63659 9	0.648 89716 9	0.518 47668 1	2.138 42175 3	0.278 51399 9	0.883 70433 7	1.0965 46418	1.8441 78251	- 6433	0.1783 6433
TRCN 000010 0600	NM_016858 .1-2347s1c1	193 38	Rab33b	0.366 97386 9	1.597 67129 9	0.985 11736 9	0.835 19083 4	2.137 13051 5	0.422 82350 9	1.423 51968 7	1.0956 75016	1.2418 72501	- 62445	0.5094 62445
TRCN 000011 9313	NM_001029 836.1- 1055s1c1	114 249	Npnt	0.418 00139 5	1.597 16634 9	1.046 34642 3	0.471 09213 9	2.136 45506 8	0.449 10371 1	0.802 94096 5	1.0952 18976	1.1548 7945	- 34176	0.3166 34176
TRCN 000017 5451	NM_177715 .3-1017s1c1	239 217	Kctd12	0.473 44680 1	1.596 93967 6	1.458 75915 1	0.066 14523 6	2.136 15185 7	0.626 11591 6	0.112 73955 8	1.0950 14211	0.6754 9832	- 3428	3.1489 3428
TRCN 000007 7143	NM_007868 .1- 11886s1c1	134 05	Dmd	0.462 68526 1	1.595 25592 7	1.176 67617 8	0.812 32030 3	2.133 89958 5	0.505 04271 5	1.384 53859 4	1.0934 92289	0.9855 22682	- 05269	0.4694 05269
TRCN 000002 3593	NM_008587 .1-1234s1c1	172 89	Mertk	0.810 70121 1	1.593 49774 1	0.602 04213	0.966 28329	2.131 54774 1	0.258 40328 7	1.646 95687 6	1.0919 01368	1.9523 03673	- 0278	0.7198 0278

TRCN 000005 5219	NM_207655 .1-2117slcl	136 49	Egfr	0.326 05448 6	1.591 72349 5	1.224 13934 3	1.178 09297 4	2.129 17441 4	0.525 41444 2	2.007 97048 1	1.0902 94135	- 0.9284 72238	1.0057 38061
TRCN 000012 6041	NM_013587 .2-262slcl	169 76	Lrpap1	0.429 58596 3	1.591 61571 1	0.532 28155 1	0.731 66820 4	2.129 03023 7	0.228 46125 8	1.247 07318 5	1.0901 9644	- 2.1299 78559	0.3185 46133
TRCN 000020 0413	NM_172443 .1-1474slcl	207 592	Tbc1d1 6	0.415 52471 7	1.590 02933 8	0.485 60967 2	0.710 68123 8	2.126 90822	0.208 42916	1.211 30248 5	1.0887 57779	- 2.2623 70966	0.2765 59178
TRCN 000007 0535	NM_010710 .2-1323slcl	168 70	Lhx2	0.047 49154 4	1.588 28446 2	0.499 19054 9	2.810 5212	2.124 57418	0.214 25822 6	4.790 32108	1.0871 73717	2.2225 77502	2.2601 22358
TRCN 000011 3291	NM_172616 .1-510slcl	224 171	C33002 7C09Ri k	0.173 30528 6	1.587 85168 8	0.138 03382 5	0.046 18658	2.123 99527 9	0.059 24567 8	0.078 72153 7	1.0867 80559	- 4.0771 46277	- 3.6670 97799
TRCN 000010 5074	NM_207530 .2-1790slcl	642 91	Osbp1a	0.922 51379 1	1.587 56954 5	0.200 35681 6	2.188 70584 1	2.123 61787	0.085 99541	3.730 48377 3	1.0865 24186	- 3.5395 96535	1.8993 62733
TRCN 000008 2261	NM_021498 .2-255slcl	590 01	Pole3	0.198 85431 1	1.587 20752	0.558 72394	0.320 35860 9	2.123 13360 5	0.239 81063	0.546 02704 9	1.0861 9516	- 2.0600 32485	- 0.8729 55674
TRCN 000007 9827	NM_181328 .2-995slcl	214 663	Slc25a2 9	0.350 06930 5	1.586 41923 7	0.203 14270 2	0.230 49956 2	2.122 07915 6	0.087 19114 4	0.392 86909 2	1.0854 78471	- 3.5196 74584	- 1.3478 79424
TRCN 000008 9050	NM_009704 .2-649slcl	118 39	Areg	0.257 19132 7	1.584 87600 1	0.920 17593 8	0.053 07938 6	2.120 01484 1	0.394 94991 3	0.090 46980 4	1.0840 74364	- 1.3402 5839	- 3.4664 19851
TRCN 000006 5764	NM_008932 .1-465slcl	191 16	Prlr	0.218 93822 9	1.582 82283 9	0.193 60019 1	1.368 45190 5	2.117 26842 2	0.083 09539	2.332 4229	1.0822 04182	- 3.5890 87743	- 1.2218 29393
TRCN 000001 8471	NM_008548 .2-1243slcl	171 55	Man1a	0.133 04454 2	1.582 55034 6	5.271 83107 9	0.199 67608 9	2.116 90392 1	2.262 72948 5	0.340 33281	1.0819 55792	- 1.1780 64117	- 1.5549 81851
TRCN 000000 9670	NM_007527 .2-404slcl	120 28	Bax	0.156 05938 9	1.582 36138 3	1.626 70997 4	0.908 68318 3	2.116 65115 4	0.698 20230 7	1.548 78184 5	1.0817 83518	- 0.5182 82971	- 0.6311 33946
TRCN 000019 0220	NM_153525 .2-636slcl	233 724	Tmem4 1b	0.191 92890 2	1.578 62114 7	0.391 34925 5	1.894 63368 1	2.111 64801 4	0.167 97152 4	3.229 25999 1	1.0783 69375	- 2.5737 11423	- 1.6912 03598
TRCN 000007 8966	NM_008882 .1-5392slcl	188 45	Plxna2	0.773 03527 8	1.578 53369	0.232 30733	1.351 39787 9	2.111 53102 7	0.099 70893 2	2.303 35560 2	1.0782 89446	- 3.3261 33443	- 1.2037 37158
TRCN 000007 9032	NM_175499 .2-740slcl	239 250	Slitrk6	0.123 17105 9	1.578 31009 1	0.350 07681 5	0.073 23677 7	2.111 23192 9	0.150 25692 6	0.124 82655 5	1.0780 85074	- 2.7344 96605	- 3.0020 03218
TRCN 000004 1899	NM_175177 .3-1080slcl	719 11	Bdhl	0.504 52629 8	1.577 66068 2	0.264 49634 2	2.489 32823 1	2.110 36324 5	0.113 52482	4.242 87192 7	1.0774 91343	- 3.1389 2035	- 2.0850 41131
TRCN 000002 7650	NM_010353 .1-1628slcl	148 41	Gsg2	0.257 72795 6	1.577 32780 2	2.834 93278 1	0.394 90990 9	2.109 91796 7	1.216 78519 2	0.673 09410 8	1.0771 86908	- 0.2830 74501	- 0.5711 19867
TRCN 000007 5751	NM_180678 .2-368slcl	353 172	Gars	1.870 55392 8	1.577 32780 2	0.025 23606 3	1.801 61016 5	2.109 91796 7	0.010 83160 4	3.070 70843 4	1.0771 86908	- 6.5286 09343	- 1.6185 71534
TRCN 000012 7214	NM_001024 474.1- 963slcl	682 03	Diras2	0.641 79235 3	1.576 75117 9	1.032 51072 1	0.371 62771 4	2.109 14664 4	0.443 16527 2	0.633 41136 5	1.0766 59406	- 1.1740 83265	- 0.6587 85341
TRCN 000000 4693	NM_008562 .2-803slcl	172 10	Mcl1	0.260 63811	1.575 25785 3	0.332 21223	1.223 95560 2	2.107 14909 2	0.142 58924 4	2.086 13986 7	1.0752 92396	- 2.8100 62935	- 1.0608 35888
TRCN 000009 8848	NM_153122 .1-3065slcl	754 75	Oplah	0.543 13573 6	1.574 08226 1	0.041 39599 5	0.337 66690 9	2.105 57655 8	0.017 76762 9	0.575 52774	1.0742 15332	- 5.8146 05007	- 0.7970 42628
TRCN 000009 7494	NM_178891 .3-1538slcl	998 90	Prmt6	0.768 99545 7	1.571 51700 7	0.158 42341 7	0.622 33161 7	2.102 14513 7	0.067 99712 1	1.060 71723 2	1.0718 6228	- 3.8783 82525	- 0.0850 4011
TRCN 000007 2091	NM_011462 .1-232slcl	207 29	Spin	0.605 80433 8	1.570 22891 1	0.397 02206 8	1.673 08407 4	2.100 42211 1	0.170 40635 9	2.851 64542	1.0706 79288	- 2.5529 48923	- 1.5117 94605

TRCN 000007 0204	NM_025530 .1-678s1c1	663 88	Cutc	0.494 35616 4	1.567 03665 6	0.480 58136	0.867 44851 7	2.096 15197 9	0.206 27095 2	1.478 50047	1.0677 43322	- 2.2773 87429	0.5641 34702
TRCN 000018 6310	XM_109868 .4-4083s1c1	319 939	Tns3	0.370 19858 8	1.566 95060 9	0.305 06189 5	0.335 39950 6	2.096 03687 9	0.130 93601 3	0.571 66312 2	1.0676 64101	- 2.9330 66138	- 0.8067 62869
TRCN 000017 4730	NM_030013 .1-704s1c1	779 51	Cyp20a 1	0.078 81693 3	1.556 86063 1	0.638 89765	0.033 80453 1	2.082 53998 4	0.274 22209 3	0.057 61726 9	1.0583 44195	- 1.8665 83289	- 4.1173 54899
TRCN 000007 1638	NM_019410 .2-421s1c1	186 45	Pfn2	1.051 07075 9	1.556 42627 3	0.306 32052 6	1.273 30889 2	2.081 95896 4	0.131 47623 2	2.170 25882 2	1.0579 41633	- 2.9271 26078	- 1.1178 67107
TRCN 000006 6698	NM_010197 .2-199s1c1	141 64	Fgf1	0.262 39333 7	1.554 88073 4	0.338 47551 4	0.019 12547 8	2.079 89156 9	0.145 27751 6	0.032 59793 3	1.0565 08318	- 2.7831 16651	- 4.9390 75708
TRCN 000003 0637	NM_007798 .1-905s1c1	130 30	Ctsb	0.165 69080 4	1.554 47551 6	0.009 59102 9	30.06 47759 5	2.079 34952 8	0.004 11657 8	51.24 31395 4	1.0561 32288	- 7.9243 38698	- 5.6792 86964
TRCN 000008 7034	XM_488354 .1-169s1c1	436 211	UNK	0.064 13247 7	1.554 24277 1	0.339 96409 8		2.079 03819 5	0.145 91643 3	1.704 42446 1	1.0559 16263	- 2.7767 85724	- 0.7692 84661
TRCN 000011 9307	NM_011360 .2-1447s1c1	203 92	Sgce	0.168 52012 9	1.553 76979 9	0.033 19798 9	26.35 79638 9	2.078 40552 2	0.014 24895 2	44.92 51583 8	1.0554 77169	- 6.1330 00346	- 5.4894 51685
TRCN 000009 0331	NM_026473 .2-177s1c1	679 51	Tubb6	0.331 54488 2	1.553 72538 7	0.656 54632 3	0.925 65677 8	2.078 34611 4	0.281 79710 3	1.577 71205 5	1.0554 35931	- 1.8272 71317	- 0.6578 33926
TRCN 000008 7829	XM_358002 .2-1351s1c1	385 028	UNK	0.319 37195 6	1.551 01146 2	0.038 58657 3		2.074 71582 3	0.016 56179 3	1.704 42446 1	1.0529 13742	- 5.9159 97311	- 0.7692 84661
TRCN 000007 6713	NM_145533 .1-1862s1c1	228 608	Smox	1.060 84755 2	1.549 85683 9	0.313 93155 3	0.408 3398	2.073 17133 8	0.134 74297 1	0.695 98434 3	1.0518 39354	- 2.8917 1808	- 0.5228 73244
TRCN 000008 6227	NM_198960 .1-261s1c1	332 937	Tcfap2e	0.140 88917 9	1.545 96652 9	0.796 96612 8	0.286 83661	2.067 96745 1	0.342 06687	0.488 89133 5	1.0482 13478	- 1.5476 49713	- 1.0324 14259
TRCN 000012 1357	NM_145448 .2-2846s1c1	217 830	903061 7O03Ri k	0.566 42418 4	1.545 43035 6	1.021 43450 4	0.039 67169 7	2.067 25023 8	0.438 41123 4	0.067 61741	1.0477 13036	- 1.1896 43328	- 3.8864 61435
TRCN 000004 2643	NM_013508 .1-480s1c1	137 13	Elk3	0.576 80322 7	1.541 77547 5	0.565 41098	0.658 02931 8	2.062 36127 4	0.242 68078 3	1.121 56126 6	1.0442 97079	- 2.0428 68222	- 0.1655 0843
TRCN 000010 8680	NM_145575 .1-1934s1c1	109 624	Cald1	0.254 49699 6	1.540 94293 2	0.182 21061 2	10.30 64109 4	2.061 24762	0.078 20685 4	17.56 64989	1.0435 17828	- 3.6765 6114	- 4.1347 54778
TRCN 000005 4499	NM_011231 .1-226s1c1	193 52	Rabggt b	0.100 65672 9	1.538 48235 6	0.530 98178 4	0.264 29842 5	2.057 95622 2	0.227 90338 3	0.450 47670 1	1.0412 12293	- 2.1335 05754	- 1.1504 75605
TRCN 000002 3949	NM_012025 .3-668s1c1	269 34	Racgap 1	0.774 07737 6	1.538 08640 8	2.582 90212 6	0.358 33254 7	2.057 42658	1.108 61078 6	0.610 75075 9	1.0408 40949	- 0.1487 52949	- 0.7113 44344
TRCN 000009 4210	NM_009655 .1-2312s1c1	116 58	Alcam	0.689 95763 1	1.537 43489 5	0.367 82736 2	0.897 30723 2	2.056 55508 2	0.157 87566 1	1.529 39239 6	1.0402 29713	- 2.6631 3932	- 0.6129 58606
TRCN 000009 5284	NM_008601 .1-1549s1c1	173 42	Mitf	0.095 89502 1	1.535 85085 3	0.168 19487 9	30.59 44677 3	2.054 43618 3	0.072 19114 3	52.14 59591 6	1.0387 42517	- 3.7920 34337	- 5.7044 83556
TRCN 000001 1893	NM_010634 .1-592s1c1	165 92	Fabp5	0.249 51265 6	1.535 47448 8	0.699 97747 4	1.341 85345 5	2.053 93273 7	0.300 43824 3	2.287 08785 1	1.0383 88936	- 1.7348 59627	- 1.1935 11783
TRCN 000004 2770	NM_016894 .1-146s1c1	518 01	Ramp1	0.253 51773 8	1.535 14525	0.017 65533 9	23.41 83729 7	2.053 49233 1	0.007 57787 1	39.91 48477 2	1.0380 79559	- 7.0439 91708	- 5.3188 53602
TRCN 000012 1368	NM_172746 .2-1894s1c1	233 876	Hirip3	0.307 02563	1.534 31647 1	0.799 70422 8	1.207 26839 4	2.052 38371 2	0.343 24209 4	2.057 69778 1	1.0373 00481	- 1.5427 01606	- 1.0410 31106
TRCN 000009 1803	NM_007735 .1-5654s1c1	128 29	Col4a4	1.019 32321	1.534 13988 3	0.187 51061 7	3.004 05240 3	2.052 14749 8	0.080 48167 6	5.120 18039 6	1.0371 34428	- 3.6351 9584	- 2.3561 94641

TRCN 000012 6002	NM_027890 .3-1282s1c1	717 33	Susd2	0.163 75486 1	1.533 96772 8	1.007 62184 2	1.028 99547 4	2.051 91721 5	0.432 48268 3	1.753 84505 6	1.0369 72526	- 1.2092 85726	0.8105 21298
TRCN 000019 3534	NM_173759 .2-270s1c1	225 583	A73001 7C20Ri k	1.237 54953 8	1.533 48892 1	0.755 24474 3	2.051 1.839 88086	2.051 27673 6	0.324 15958 3	3.135 93794 3	1.0365 22137	- 1.6252 23885	1.6488 9701
TRCN 000003 0644	NM_009982 .2-219s1c1	130 32	Ctsc	0.670 68231 7	1.528 84508 9	0.308 85363 9	0.790 99783 4	2.045 06488 6	0.132 56347 3	1.348 19605 7	1.0321 46618	- 2.9152 44794	0.4310 30311
TRCN 000007 9138	NM_008115 .1-1045s1c1	145 86	Gfra2	0.356 91489 6	1.526 63550 1	0.573 90026 6	0.783 09583 6	2.042 10923 6	0.246 32447 8	1.334 72769 9	1.0300 6004	- 2.0213 68095	0.4165 45444
TRCN 000008 0305	NM_008871 .1-1249s1c1	187 87	Serpine 1	0.487 58173 2	1.526 47907 2	0.671 35974 2	0.152 64637 8	2.041 89998 8	0.288 15518 8	0.260 17420 7	1.0299 12205	- 1.7950 82099	1.9424 5015
TRCN 000006 7776	NM_022415 .2-247s1c1	642 92	Ptges	0.443 12924 9	1.525 03257 5	0.410 31597 8	0.701 54638 5	2.039 96507 6	0.176 11225 5	1.195 73281 8	1.0285 44453	- 2.5054 32788	0.2578 95061
TRCN 000002 3380	NM_008054 .1-1531s1c1	143 60	Fyn	0.353 9349 4	1.523 75720 4	0.549 51292 3	0.019 10527 6	2.038 25907 1	0.235 85715 7	0.032 5635	1.0273 37436	- 2.0840 14713	4.9406 00434
TRCN 000017 5585	NM_025455 .1-651s1c1	662 64	Ccdc28 b	0.135 43938 7	1.523 60574 1	2.291 86403 2	0.013 02036 7	2.038 05646 7	0.983 69394 7	0.022 19222	1.0271 94024	- 0.0237 1857	5.4938 02201
TRCN 000005 4598	NM_009141 .1-254s1c1	203 11	Cxcl5	0.249 16180 9	1.523 19083 4	0.470 11793 4	0.280 67899 7	2.037 50146 5	0.201 77993 1	0.478 39614 8	1.0268 01097	- 2.3091 45404	1.0637 22322
TRCN 000003 1358	NM_028906 .2-1869s1c1	743 88	Dpp8	0.116 48610 8	1.522 97840 7	1.451 60178 6	1.996 51343 7	2.037 21731 1	0.623 04389 4	3.402 90633 8	1.0265 99882	- 0.6825 9429	1.7667 67443
TRCN 000007 8811	NM_172665 .1-852s1c1	228 026	Pdk1	1.038 04487 3	1.522 06130 1	0.694 56324 2	0.068 16711 6	2.035 99054 1	0.298 11439 4	0.116 18569 9	1.0257 30859	- 1.7460 62059	3.1054 95589
TRCN 000002 8978	NM_010939 .1-1032s1c1	181 87	Nrp2	0.503 32226 9	1.520 31666 3	0.498 31808 7	0.359 45433 1	2.033 65682 5	0.213 88375 5	0.612 66275 4	1.0240 76245	- 2.2251 01184	0.7068 34947
TRCN 000011 2051	NM_019796 .2-1013s1c1	564 03	Syncrip	0.853 96239 7	1.520 04011 7	0.742 74120 8	0.666 25700 3	2.033 28689 7	0.318 79292 1	1.135 58473 3	1.0238 13794	- 1.6493 08499	0.1834 35359
TRCN 000007 1889	NM_173761 .3-1783s1c1	228 994	Ythdf1	0.869 49259 1	1.519 91228 8	0.486 24331 1	0.793 69462 5	2.033 11590 6	0.208 70112 5	1.352 79253 3	1.0236 92464	- 2.2604 89718	0.4359 40602
TRCN 000008 0416	NM_011454 .1-499s1c1	207 08	Serpina 6b	0.843 36051 6	1.518 46264 6	7.348 46436 9	0.024 08396 8	2.031 17678 8	3.154 04396 4	0.041 04930 4	1.0223 15813	- 1.6572 0277	4.6064 98423
TRCN 000009 4478	NM_146010 .1-560s1c1	216 350	Tspan8	0.331 11331 9	1.517 11941 9	1.840 22539 5	1.486 94136 2	2.029 38001 6	0.789 84553 9	2.534 37922 9	1.0210 39045	- 0.3403 57545	1.3416 32417
TRCN 000007 9808	NM_178716 .2-4507s1c1	238 799	Tnpo1	0.737 59458 3	1.516 16419 7	0.005 46888 5	0.002 1 1	2.028 10226 7	0.002 34730 7	1.704 42446 1	1.0201 30397	- 8.7347 77536	0.7692 84661
TRCN 000009 0544	NM_134471 .2-1244s1c1	738 04	Kif2c	0.930 03728 6	1.515 42905 2	0.894 58856 3	0.707 94746 7	2.027 11889 3	0.383 96752 3	1.206 64297 9	1.0194 30705	- 1.3809 43807	0.2709 98876
TRCN 000008 8096	NM_013726 .1-809s1c1	272 14	Dbf4	0.728 21980 9	1.513 93013 3	0.008 08928 6	0.781 11937 5	2.025 11385 2	0.003 47201 3	1.331 35896 9	1.0180 03018	- 8.1700 11959	0.4128 99612
TRCN 000020 2121	NM_023605 .1-1032s1c1	715 38	Fbxo9	0.642 47369 8	1.513 75355 7	0.067 38026 8	13.23 84251 5	2.024 87765 9	0.028 92037 3	22.56 38956 5	1.0178 34744	- 5.1117 70048	4.4959 44265
TRCN 000009 5259	NM_175170 .2-2574s1c1	715 92	Pogk	0.504 33911 2	1.513 21715 3	1.493 1975 2	0.294 38434 2	2.024 16013 6	0.640 89724 4	0.501 75587 3	1.0173 2343	- 0.6418 35029	0.9949 42498
TRCN 000010 0805	NM_009120 .1-2320s1c1	202 24	Sar1a	0.895 65554 9	1.511 44437 7	0.940 41251 2	0.423 32121 2	2.021 78876 6	0.403 63568 1	0.721 51902 9	1.0156 32274	- 1.3088 74381	0.4708 90651
TRCN 000005 5188	NM_009007 .1-545s1c1	193 53	Rac1	1.034 73955 9	1.510 53469 4	0.585 04899 9	3.039 26660 1	2.020 57193 6	0.251 10964 3	5.180 20033 8	1.0147 63715	- 1.9936 10663	2.3730 07893

TRCN 000009 5937	NM_011749 .3-2734s1c1	226 61	Zfp148	0.916 94872 1	1.509 84704 6	0.491 36969 6	1.022 63659 3	2.019 6521	0.210 90142 7	1.743 00682 3	1.0141 068	2.2453 59236	0.8015 78217
TRCN 000010 8512	NM_011983 .1-253s1c1	265 57	Homer2	0.098 50421 3	1.507 39621 8	0.573 62378 9	17.68 49874	37374 3	20581 4	30.14 27251	1.0117 63073	2.0220 63266	4.9137 37947
TRCN 000003 0993	NM_173369 .1-2010s1c1	742 56	Cyld	1.092 48718 1	1.506 43288 7	0.661 02774 3	0.031 149	2.015 08513 9	0.283 72057 9	0.053 09111 7	1.0108 40795	1.8174 573	4.2353 857
TRCN 000007 6247	NM_138651 .2-627s1c1	110 911	Cds2	0.285 41268 5	1.505 74324 6	0.185 13779 9	2.642 86558 1	2.014 16263 9	0.079 46323 6	4.504 56474 2	1.0101 80182	3.6535 6865	2.1713 87711
TRCN 000018 1578	NM_023719 .1-1474s1c1	563 38	Txnip	0.074 04486 3	1.505 61080 7	0.031 62826 7	35.68 02186 7	2.013 98548 1	0.013 57520 7	60.81 42374 6	1.0100 53283	6.2028 82012	5.9263 37213
TRCN 000007 5944	NM_172308 .2-1684s1c1	270 685	Mthfd11	0.090 76634 6	1.505 25561 6	0.179 09995 2	13.04 29650 7	2.013 51035 8	0.076 87172 4	22.23 07487 1	1.0097 12894	3.7014 0317	4.4744 84633
TRCN 000003 0939	NM_174874 .1-800s1c1	666 15	Atg4b	0.447 82279 4	1.505 00187 4	0.163 99733 1	1.274 68466 9	2.013 17094	0.070 38950 8	2.172 60372 9	1.0094 69678	3.8284 95785	1.1194 25059
TRCN 000012 5737	NM_027399 .1-833s1c1	703 58	Steap1	0.438 36940 6	1.503 52146 7	0.671 66193 9	0.659 96288 9	2.011 19066 9	0.288 28489 6	1.124 85689 1	1.0080 49861	1.7944 32843	0.1697 41467
TRCN 000008 0971	NM_177594 .1-543s1c1	210 376	Mtmr9	0.323 30856 9	1.503 10584 9	0.367 64512 9	0.031 29634 1	2.010 63471 6	0.157 79744 5	0.053 34224 9	1.0076 51002	2.6638 5425	4.2285 7755
TRCN 000002 9893	NM_008977 .1-124s1c1	192 55	Ptpn2	0.403 85164 4	1.502 26562 6	1.391 24023 7	0.404 57652 4	2.009 51078 8	0.597 13603 5	0.689 57012 4	1.0068 44322	0.7438 68463	0.5362 30826
TRCN 000009 2583	XM_110701 .2-948s1c1	194 597	Tmprss 11a	0.268 06820 8	1.500 75754 3	0.118 56537 6	3.986 33502	2.007 49349 6	0.050 88959 9	6.794 40691 7	1.0053 95314	4.2964 85358	2.7643 47624
TRCN 000011 4429	NM_019513 .1-627s1c1	560 78	Car5b	0.924 97388 9	1.500 54509 2	0.519 89699 5	1.757 22834 4	2.007 20931 1	0.223 14566 6	2.995 06297 2	1.0051 91068	2.1639 42306	1.5825 86336
TRCN 000005 5147	NM_009698 .1-200s1c1	118 21	Aprt	1.573 54369 4	1.500 21115 3	0.023 39620 6	2.006 76261 5	0.010 04191 6	1.704 42446 1	1.0048 69967	6.6378 21597	0.7692 84661	
TRCN 000012 6480	NM_027251 .2-348s1c1	698 94	201010 7G23Ri k	0.643 95017 7	1.496 93320 1	0.321 93330 4	1.573 99418 9	2.002 37785 2	0.138 17741 3	2.682 75419 7	1.0017 14239	2.8554 06292	1.4237 14876
TRCN 000010 0121	NM_010738 .2-272s1c1	110 454	Ly6a	0.007 05419 4	1.494 15633 6	0.802 25878 4	1.855 35475 6	1.998 66336 9	0.344 33853 8	3.162 31203	0.9990 35502	1.5381 00441	1.6609 79728
TRCN 000003 4481	NM_013834 .1-1105s1c1	203 77	Sfrp1	0.021 88471 5	1.492 86129 8	2.131 38682 6	0.635 77416 6	1.996 93105 7	0.914 81531 6	1.083 62904	0.9977 84525	0.1284 47575	0.1158 70961
TRCN 000004 2413	NM_008675 .1-767s1c1	179 65	Nbl1	0.257 83371 6	1.492 80516 4	0.699 78090 3	0.301 26753 8	1.996 85596 9	0.300 35387 3	0.513 48776 2	0.9977 30277	1.7352 64827	0.9615 98203
TRCN 000009 9053	NM_025298 .2-718s1c1	269 39	Polr3e	0.245 08858 9	1.490 19677 6	0.390 49613 4	18.04 80538 9	1.993 36684 9	0.167 60535 4	30.76 15445 2	0.9952 07241	2.5768 59856	4.9430 56037
TRCN 000000 8537	NM_021422 .2-886s1c1	582 33	Dnaja4	0.663 88440 2	1.488 63440 1	0.744 03331 8	0.440 99143 9	1.991 27693 4	0.751 63659 6	0.9936 93876	1.6468 00895	0.4118 92783	
TRCN 000012 0109	NM_028749 .1-818s1c1	740 91	Npl	0.203 68430 4	1.487 16900 2	0.016 69678 4	1.989 31673 1	0.007 16644 8	1.704 42446 1	0.9922 72999	7.1245 26002	0.7692 84661	
TRCN 000011 4411	NM_023119 .1-1562s1c1	138 06	Eno1	0.368 70650 3	1.484 03972 6	1.283 51691 3	0.259 29971 1	1.985 13085	0.550 89996 6	0.441 95677 1	0.9892 34106	0.8601 3772	1.1780 22834
TRCN 000001 2849	NM_009772 .1-2673s1c1	122 35	Bub1	0.504 80885 6	1.483 48923 6	0.350 88796 5	0.222 93221 6	1.984 39448 6	0.150 60508 1	0.379 97112 2	0.9886 98853	2.7311 57655	1.3960 38319
TRCN 000008 8758	NM_013787 .2-2834s1c1	274 01	Skp2	0.645 97227 9	1.483 01308 9	0.004 44606 1	6.433 84940 4	1.983 75756 6	0.001 10.96 9083	10.96 60103	0.9882 35726	9.0334 96468	3.4549 66829

TRCN 000011 9312	NM_001029 836.1- 3183s1c1	114 249	Npnt	0.306 36180 3	1.482 93581 4	0.427 55887 4	0.697 77776 9	1.983 65419 8	0.183 51310 1	1.189 30949 7	0.9881 60549	- 2.4460 45031	- 0.2501 242
TRCN 000008 0282	NM_028623 .2-454s1c1	737 20	Cst6	0.178 27668 3	1.480 17623 6	1.940 74377 6	0.170 97771 9	1.979 96283 9	0.832 98916 4	0.291 41859 1	0.9854 73353	- 0.2636 30366	- 1.7788 35177
TRCN 000011 0371	NM_016888 .4-584s1c1	536 25	B3gnt2	0.295 03714 9	1.480 12335 4	1.078 49287 6	1.300 58437 9	1.979 89210 2	0.462 90133 2	2.216 74782 9	0.9854 2181	- 1.1112 23381	- 1.1484 44663
TRCN 000004 1802	NM_001001 303.1- 457s1c1	407 972	Gapdh	1.288 89659 8	1.478 74026 5	0.301 15873 2	0.516 07041 7	1.978 04200 7	0.129 26073 2	0.879 60303 1	0.9840 73065	- 2.9516 44033	- 0.1850 7552
TRCN 000008 7923	NM_172301 .2-1445s1c1	268 697	Ccnb1	0.962 33016 9	1.478 09313 3	0.564 35044 3	0.537 47184 9	1.977 17636 5	0.242 22558 9	0.916 08016 7	0.9834 41566	- 2.0455 76815	- 0.1264 5424
TRCN 000010 2047	NM_016714 .2-1034s1c1	181 41	Nup50	0.198 25862 6	1.477 75419 5	0.237 07594 7	4.173 88142 6	1.976 72298 8	0.101 75567 6	7.114 06559 8	0.9831 1071	- 3.2968 18824	- 2.8306 74277
TRCN 000000 9629	NM_153403 .1-2221s1c1	236 511	Eif2c1	1.716 22455 6	1.477 37764 8	0.893 04600 8	0.491 16009 4	1.976 21929 8	0.383 30544 9	0.837 14527 9	0.9827 4305	- 1.3834 3362	- 0.2564 50084
TRCN 000006 6699	NM_010197 .2-388s1c1	141 64	Fgf1	2.491 92074 7	1.473 86303 5	0.288 78307 2	1.451 20437 4	1.971 51796 4	0.123 94895 7	2.473 46822 8	0.9793 06856	- 3.0121 81958	- 1.3065 35368
TRCN 000004 1782	NM_021557 .2-1222s1c1	172 52	Rdh11	0.853 15469 8	1.473 61679 4	0.478 61369 4	0.833 66900 2	1.971 18857 9	0.205 42640 7	1.420 92583 9	0.9790 65802	- 2.2833 06447	- 0.5068 31259
TRCN 000002 8844	NM_010195 .1-2594s1c1	141 60	Lgr5	0.298 58279 1	1.472 90912 1	0.630 19659 7	0.009 70893 4	1.970 24195 9	0.270 48750 2	0.016 54814 5	0.9783 72813	- 1.8863 66159	- 5.9171 86661
TRCN 000007 6716	NM_145533 .1-1227s1c1	228 608	Smox	1.315 56978 5	1.471 18501 6	1.116 85438 3	0.493 98689 1	1.967 93570 4	0.479 36652 4	0.841 96334 4	0.9766 83086	- 1.0607 9893	- 0.2481 70677
TRCN 000010 1130	NM_008768 .1-386s1c1	184 05	Orm1	1.913 48322 3	1.470 57902 5	1.129 42135 6	0.146 06209 4	1.967 12509 7	0.484 76041 2	0.248 95180 7	0.9760 88707	- 1.0446 5621	- 2.0060 6161
TRCN 000008 9190	NM_011915 .1-812s1c1	241 17	Wif1	0.694 38715 5	1.470 48448 1	0.694 25630 5	2.109 68080 7	1.966 99863 3	0.297 98265 3	3.595 79157 2	0.9759 95953	- 1.7466 99748	- 1.8463 09398
TRCN 000011 9775	NM_007398 .2-283s1c1	114 86	Ada	0.083 66961 4	1.468 34994 5	0.062 95352 4	1.964 14336 1	0.027 02036 4	1.704 42446 1	0.9739 00234	- 5.2098 09075	- 0.7692 84661	
TRCN 000010 5878	NM_019653 .2-540s1c1	788 89	Wsb1	0.555 74918 6	1.468 07327 6	0.686 72408 1	2.378 03891 5	1.963 77327 3	0.294 74973 7	4.053 18769 5	0.9736 28374	- 1.7624 37567	- 2.0190 56985
TRCN 000002 8976	NM_010939 .1-1394s1c1	181 87	Nrp2	0.223 70439 5	1.467 74822 1	0.578 44916 2	3.167 09069 3	1.963 33846 3	0.248 27691 9	5.398 06684 1	0.9733 08902	- 2.0099 7795	- 2.4324 42841
TRCN 000012 1369	NM_172746 .2-815s1c1	233 876	Hirip3	0.578 68578 2	1.465 19531 5	1.248 00898 1	0.421 57722 7	1.959 92356 7	0.535 65956 8	0.718 54653 8	0.9707 97388	- 0.9006 11711	- 0.4768 46497
TRCN 000017 5751	NM_024281 .1-663s1c1	819 10	Rrbp1	0.759 16360 2	1.464 4405 7	0.607 24660 7	0.227 53451 1	1.958 91387 8	0.260 63710 7	0.387 81538 7	0.9700 53972	- 1.9398 85598	- 1.3665 5805
TRCN 000007 0986	NM_011623 .1-3865s1c1	219 73	Top2a	0.765 81198 9	1.464 42025 8	0.877 89468 9	0.678 42648 1	1.958 88680 2	0.376 80232 3	1.156 32668 9	0.9700 34031	- 1.4081 20235	- 0.2095 4905
TRCN 000009 6100	NM_008393 .2-283s1c1	163 73	Irx3	0.212 94503 1	1.464 13387 3	1.395 34629 8	0.459 14537 8	1.958 50371 7	0.598 89839 9	0.782 57861 3	0.9697 51866	- 0.7396 1682	- 0.3536 92411
TRCN 000010 0247	NM_028680 .2-1153s1c1	739 16	Ift57	0.375 06642 9	1.461 97559 9	0.047 36253 4	2.009 75515 6	1.955 61669 6	0.020 32853 5	3.425 47583 8	0.9676 23627	- 5.6203 49961	- 1.7763 04409
TRCN 000009 0329	NM_026473 .2-170s1c1	679 51	Tubb6	0.436 54351 4	1.461 9275 5	0.052 38405 5	11.13 72191 8	1.955 55235 5	0.022 48382 9	18.98 25487 9	0.9675 76161	- 5.4749 68463	- 4.2466 01811
TRCN 000011 4406	NM_178396 .3-2277s1c1	764 59	Car12	0.303 52960 1	1.459 70254 7	0.011 73688 7	0.781 11937 5	1.952 57613 5	0.005 03760 5	1.331 35896 9	0.9653 78799	- 7.6330 46373	- 0.4128 99612

TRCN 000010 8929	NM_007984 .1-1449s1c1	140 86	Fscn1	0.537 54472 3	1.459 45734 5	0.740 47180 6	1.237 40639 8	1.952 24814 4	0.317 81886 8	2.109 06573 2	0.9651 36441	1.6537 23318	- 1.0766 04059
TRCN 000004 2453	NM_178902 .3-3210s1c1	102 103	Mtus1	0.292 86377 3	1.458 75414 2	0.447 05335 7	0.020 32651 8	1.951 30750 2	0.191 88035 4	0.034 64501 5	0.9644 41146	2.3817 21092	- 4.8512 0841
TRCN 000004 1541	NM_008278 .1-116s1c1	154 46	Hpgd	0.465 45770 2	1.458 40492 8	0.362 49131 7	2.510 94463 7	1.950 84037 5	0.155 58536 7	4.279 71545 8	0.9640 95736	2.6842 21713	- 2.0975 14881
TRCN 000011 4308	NM_009128 .1-1131s1c1	202 50	Scd2	0.443 67003 4	1.457 97212 8	2.669 60353 4	0.051 95607 7	1.950 26143 8	1.145 82401 9	0.088 55520 9	0.9636 67535	0.1963 85474	- 3.4972 79017
TRCN 000010 5181	NM_133774 .2-530s1c1	170 459	Stard4	0.669 77339 6	1.457 57143 4	0.317 06299 1	0.131 21024 9	1.949 72544 8	0.136 08701 9	0.223 63795 8	0.9632 70984	2.8773 98632	- 2.1607 63019
TRCN 000004 1965	NM_173371 .2-1469s1c1	100 198	H6pd	1.060 57095 6	1.456 98060 5	1.056 44244 6	0.250 60917 9	1.948 93512 4	0.453 43703 9	0.427 14441 4	0.9626 86067	1.1410 25854	- 1.2272 04178
TRCN 000009 6878	NM_026030 .1-430s1c1	672 04	Eif2s2	0.046 11794 9	1.456 09077 8	0.162 18854 9	0.372 9556 4	1.947 74484 4	0.069 61315 8	0.635 67464 8	0.9618 04696	3.8444 96162	- 0.6536 39544
TRCN 000019 2644	NM_027122 .2-733s1c1	695 72	Mfsd3	0.177 46488 8	1.453 63456 6	0.025 89716 8	15.27 47622 4	1.944 45928 3	0.011 11535 7	26.03 46784 7	0.9593 69025	6.4913 01876	- 4.7023 6268
TRCN 000011 4256	NM_012031 .1-3297s1c1	269 42	Spag1	0.176 27874 7	1.453 47049 3	0.309 62385 1	0.109 57454 1	1.944 23981 6	0.132 89405 6	0.186 76152 8	0.9592 06178	2.9116 51513	- 2.4207 30797
TRCN 000007 9029	NM_175499 .2-1347s1c1	239 250	Slitrk6	0.109 40170 1	1.452 25693 2	0.507 42269 7	1.942 61648 3	0.217 79155 7	1.704 42446 1	0.9580 01108	2.1989 8007	- 0.7692 84661	
TRCN 000010 6482	NM_146137 .2-1396s1c1	229 715	Amigo1	0.064 75252 2	1.452 25693 7	0.507 42269 1	1.942 61648 3	0.217 79155 7	1.704 42446 1	0.9580 01108	2.1989 8007	- 0.7692 84661	
TRCN 000008 0347	NM_031380 .1-646s1c1	835 54	Fstl3	0.097 09592 8	1.451 05277 6	0.342 24470 6	0.640 84977 5	1.941 00574 3	0.146 89529 6	1.092 28003 3	0.9568 04387	2.7671 39898	- 0.1273 42774
TRCN 000010 8850	NM_016798 .2-1336s1c1	533 18	Pdlim3	0.162 80536 4	1.447 96819 7	1.281 38176 3	0.409 46187 5	1.936 87964 5	0.549 98353 6	0.697 89682 6	0.9537 3431	0.8625 39664	- 0.5189 14324
TRCN 000003 0750	NM_016808 .1-786s1c1	533 76	Usp2	0.509 07870 8	1.447 79462 8	0.921 83368 7	0.768 99352 2	1.936 64747 8	0.395 66143 8	1.310 69137 7	0.9535 61362	1.3376 61632	- 0.3903 28012
TRCN 000011 4493	NM_139305 .1-281s1c1	230 099	Car9	0.453 73300 2	1.444 24386 3	0.579 41440 3	1.323 82010 3	1.931 89777 7	0.248 69121 1	2.256 35136 6	0.9500 18758	2.0075 72576	- 1.1739 91746
TRCN 000007 9811	NM_178716 .2-2545s1c1	238 799	Tnpo1	0.143 38019 9	1.442 70374 9	0.106 66885 9	34.26 53903 2	1.929 83763 9	0.045 78348 2	58.40 27694 2	0.9484 79476	4.4490 29069	- 5.8679 64877
TRCN 000007 9546	NM_009196 .2-693s1c1	205 01	Slc16a1	0.518 12399 1	1.439 64245 2	0.006 77213 1	97.75 78023 9	1.925 74268 4	0.002 90667 5	166.6 20789 6	0.9454 14945	8.4264 14364	- 7.3804 2461
TRCN 000009 0906	NM_011902 .1-248s1c1	240 84	Tekt2	1.120 05624 9	1.439 63432 2	0.812 28655 6	0.923 24943 3	1.925 73180 9	0.348 64257 1	1.573 60891 7	0.9454 06797	1.5201 79355	- 0.6540 77038
TRCN 000007 7340	NM_011940 .1-596s1c1	263 88	Ifi202b	0.800 94507 9	1.439 21464 4	0.415 73674 1	1.112 03197 3	1.925 17042 4	0.178 43890 8	1.895 37449 5	0.9449 86165	2.4864 97868	- 0.9224 8293
TRCN 000009 3708	NM_024222 .2-2574s1c1	682 92	Stt3b	0.273 20029 5	1.438 80926 4	0.242 40252 8	2.653 13458 8	1.924 62816 8	0.104 04190 5	4.522 06748 9	0.9445 79748	3.2647 6338	- 2.1769 82523
TRCN 000010 8920	NM_153128 .1-2052s1c1	240 756	Klhl12	0.567 33343 9	1.436 45041 4	0.420 57397 8	1.863 53762 9	1.921 47284 3	0.180 51510 5	3.176 25911 8	0.9422 12586	2.4698 08533	- 1.6673 28612
TRCN 000006 8835	NM_183285 .1-416s1c1	703 82	Kctd2	0.578 29023 9	1.435 61852 9	0.325 48230 3	0.315 45270 8	1.920 36007 3	0.139 70068 3	0.537 66531 1	0.9413 76843	2.8395 89019	- 0.8952 19699
TRCN 000002 8726	XM_358310 .1-8138s1c1	110 789	Gpr98	1.351 56140 2	1.435 23965 2	1.138 69820 6	0.012 85699 9	1.919 85326 3	0.488 74214 3	0.021 91378 3	0.9409 96048	1.0328 54593	- 5.5120 17633

TRCN 000008 4452	NM_178661 .2-1839slcl	208 647	Creb3l2	0.858 33378 4	1.433 93175 3	0.193 95398 9	0.129 44753 8	1.918 10374 8	0.083 24724 4	0.220 63355 1	0.9396 80756	- 3.5864 53672	- 2.1802 75904
TRCN 000011 3292	NM_172616 .1-2762slcl	224 171	C33002 7C09Ri k	1.142 66722 4	1.433 71146 7	0.614 34990 6	1.097 44625 3	1.917 80908 2	0.263 68592 4	1.870 51423 7	0.9394 59107	- 1.9231 07537	- 0.9034 34947
TRCN 000000 8538	NM_021422 .2-461slcl	582 33	Dnaja4	0.299 81905 5	1.431 62059 5	0.071 17271 7	12.99 73384 6	1.915 01221 9	0.030 54813 4	22.15 29816	0.9373 53598	- 5.0327 71911	- 4.4694 28981
TRCN 000008 9995	NM_146243 .1-691slcl	667 13	Actr2	0.303 25459 5	1.430 22395 8	0.541 61183 4	144.4 28897 2	1.913 14400 2	0.232 46592 1	246.1 68145 3	0.9359 4547	- 2.1049 0886	- 7.9435 00276
TRCN 000003 7316	NM_019912 .1-723slcl	565 50	Ube2d2	0.877 71370 6	1.429 93672 1	1.416 24270 8	0.651 31874 4	1.912 75977 9	0.607 86737 8	1.110 1236	0.9356 55699	- 0.7181 71499	- 0.1507 20313
TRCN 000003 4433	NM_008142 .2-348slcl	146 88	Gnb1	0.245 88660 3	1.429 60074 6	0.361 83756 5	2.025 46192	1.912 31036 1	0.155 30477 3	0.367 23856 6	0.9353 16686	- 2.6868 2593	- 1.4452 10521
TRCN 000010 0435	NM_133685 .1-2671slcl	106 572	Rab31	0.204 81782	1.429 22408 6	0.523 95684 6	2.025 14665 4	1.911 80652 1	0.224 8882 4	3.451 70949 4	0.9349 36527	- 2.1527 20129	- 1.7873 11048
TRCN 000005 5143	NM_009698 .1-529slcl	118 21	Aprt	0.480 20332 3	1.428 42701 4	0.979 66291 1	0.754 32226 3	1.910 74031 5	0.420 48239 4	1.285 68531 7	0.9341 31718	- 1.2498 82699	- 0.3625 37573
TRCN 000012 4598	NM_019631 .2-672slcl	562 77	Tmem4 5a	0.650 19116 2	1.428 23717 6	0.004 48294	29.79 88866 3	1.910 48637 7	0.001 92412 8	50.78 99512 8	0.9339 39971	- 9.0215 79181	- 5.6664 71185
TRCN 000004 2644	NM_013508 .1-1052slcl	137 13	Elk3	0.547 95752	1.427 97860 9	0.081 8751	6.160 76858 2	1.910 14050 5	0.035 14171 9	10.50 05646 7	0.9336 78763	- 4.8306 71445	- 3.3923 95006
TRCN 000002 5673	NM_009516 .2-1647slcl	223 90	Wee1	0.093 99354 8	1.427 78696 6	0.473 08933 1	0.500 51693 8	1.909 88415 2	0.203 05528 8	0.853 09331 3	0.9334 85131	- 2.3000 55497	- 0.2292 2454
TRCN 000006 7941	NM_011198 .2-1478slcl	192 25	Ptgs2	0.654 39079 8	1.427 04134 6	0.381 86133 9	0.633 96294 4	1.908 88677 1	0.163 89920 3	1.080 54194 8	0.9327 31529	- 2.6091 1926	- 0.1117 55081
TRCN 000020 2166	NM_133851 .1-1281slcl	108 907	Nusap1	0.105 9806	1.426 11396 6	2.654 63049 8	0.874 45210 3	1.907 64625 8	1.139 39741 4	1.490 43755 4	0.9317 93672	- 0.1882 71037	- 0.5757 35931
TRCN 000010 8940	NM_133786 .3-902slcl	700 99	Smc4	1.746 97880 8	1.425 12415 1	0.305 79925 5	1.804 99735 6	1.906 32222 8	0.131 25249 7	3.076 48164 5	0.9307 92	- 2.9295 83229	- 1.6212 81385
TRCN 000007 5694	NM_027350 .1-1597slcl	702 23	Nars	0.722 18540 9	1.424 11490 4	0.269 97922 7	1.208 00609 6	1.904 97220 5	0.115 87813 6	2.058 95513 8	0.9297 69948	- 3.1093 19718	- 1.0419 12396
TRCN 000007 8812	NM_172665 .1-853slcl	228 026	Pdk1	0.963 91159 6	1.423 82015 7	0.427 30128	0.787 55912 5	1.904 57793 7	0.183 40253 9	1.342 33503 6	0.9294 71325	- 2.4469 14482	- 0.4247 44802
TRCN 000017 7569	NM_177687 .2-1096slcl	232 430	Crebl2	0.241 24215 9	1.423 55614 6	0.011 55325 7	99.19 85851 9	1.904 22478 1	0.004 95878 9	169.0 76495 1	0.9292 0379	- 7.6557 96555	- 7.4015 32301
TRCN 000011 1975	NM_133218 .1-3127slcl	170 753	Zfp704	0.228 29865 5	1.422 60169 2	0.937 73542 5	0.381 27049 6	1.902 94805 3	0.402 48664 3	0.649 84675 9	0.9282 36179	- 1.3129 87187	- 0.6218 28539
TRCN 000018 3862	NM_029523 .2-1764slcl	761 31	Depdc1 a	0.497 32048 5	1.421 93191 1	0.517 68096	1.210 11171 9	1.902 05211 7	0.222 19451 9	2.062 54401 5	0.9275 56777	- 2.1701 04865	- 1.0444 24907
TRCN 000010 9340	NM_030732 .2-2319slcl	810 04	Tbl1xr1	2.065 33146 2	1.421 42390 5	1.578 04977	0.168 76791 6	1.901 37258 1	0.677 31679 7	0.287 65216 4	0.9270 41261	- 0.5620 9732	- 1.7976 02769
TRCN 000006 7495	NM_013660 .2-913slcl	203 54	Sema4d	0.131 70635 8	1.421 18049 2	0.538 59883 7	0.073 47737 1	1.901 04697 9	0.231 17270 9	0.125 23662 8	0.9267 94185	- 2.1129 57007	- 2.9972 71528
TRCN 000008 0201	NM_026323 .1-122slcl	677 01	Wfdc2	0.699 25168 3	1.420 44491 4	0.408 92313 5	0.786 24381 7	1.900 06303 1	0.175 51443 1	1.340 09319 3	0.9260 47278	- 2.5103 38437	- 0.4223 33333
TRCN 000009 3447	NM_016807 .1-668slcl	533 78	Sdcbp	0.166 96709 8	1.420 27835	0.339 96409 8	1.899 84022 1	0.145 84022 7	0.145 91643 3	1.704 42446 1	0.9258 78095	- 2.7767 85724	- 0.7692 84661

TRCN 000018 6969	XM_109868 .4-1863slc1	319 939	Tns3	0.269 13311 4	1.419 90142 1	0.004 78929 7	161.5 99941 8	1.899 33602 6	0.002 05562	275.4 34893 6	0.9254 95166	8.9262 1046	8.1055 6753
TRCN 000000 9628	NM_153403 .1-142slc1	236 511	Eif2c1	0.573 04731 7	1.416 97962 8	0.858 41273	0.831 00679 6	1.895 42767 9	0.368 44044 6	1.416 38831	0.9225 23411	1.4404 96652	0.5022 16842
TRCN 000007 1116	NM_007842 .1-2199slc1	132 11	Dhx9	0.341 74429 8	1.415 66371 2	0.393 84655 1	1.281 48257 1	1.893 66743 9	0.169 04339 1	2.184 19024	0.9211 82991	2.5645 34481	1.1270 98518
TRCN 000020 0647	NM_153525 .2-773slc1	233 724	Tmem4 1b	1.348 43824 4	1.413 65276 4	0.004 24454 8	22.73 53976 2	1.890 97748 8	0.001 82180 8	38.75 07678 2	0.9191 32188	9.1004 13434	5.2761 52992
TRCN 000009 4958	NM_023051 .1-798slc1	659 45	Clstn1	0.308 52624 2	1.410 77015 9	0.508 32490 6	2.567 88396 6	1.887 12156 2	0.218 17879 5	4.376 76424 4	0.9161 8736	2.1964 17204	2.1298 64675
TRCN 000009 3444	NM_016807 .1-1545slc1	533 78	Sdcbp	0.251 97771 7	1.406 27435 1	0.685 38354 8	1.013 40543 5	1.881 10772 9	0.294 17436 6	1.727 27301 2	0.9115 82473	1.7652 56559	0.7884 96133
TRCN 000009 1288	NM_011699 .2-2279slc1	223 43	Lin7c	0.335 86168 5	1.405 90884 9	0.351 20708 8	2.658 30463 9	1.880 61881 3	0.150 74205 2	4.530 87945	0.9112 07455	2.7298 46159	2.1797 91107
TRCN 000006 8374	NM_013885 .1-785slc1	298 76	Clic4	0.175 79351 2	1.405 32194 8	1.531 31829 8	0.298 55626 1	1.879 83374 4	0.657 25912 1	0.508 86659 3	0.9106 05073	0.6054 65836	0.9746 40612
TRCN 000019 0108	NM_177282 .2-3169slc1	320 878	Mical2	0.142 96945 6	1.404 78592 6	0.674 62202	0.106 31035 3	1.879 11673 1	0.289 55539 6	0.181 19796 7	0.9100 5469	1.7880 88713	2.4643 61329
TRCN 000020 2451	NM_030197 .1-318slc1	788 32	270007 8E11Ri k	0.687 87055 2	1.403 46233 2	0.480 27648	1.708 81314 7	1.877 34622 2	0.206 14009 5	2.912 54292 6	0.9086 94738	2.2783 02956	1.5422 79313
TRCN 000000 9694	NM_009754 .1-165slc1	121 25	Bcl2l1l	0.400 48782 7	1.400 42477 1	2.123 91749 2	0.119 91502 5	1.873 28301 7	0.911 60939 4	0.204 38610 1	0.9055 6888	0.1335 12304	2.2906 31003
TRCN 000006 5354	NM_009851 .1-1026slc1	125 05	Cd44	1.382 77220 6	1.399 49180 4	0.882 97101 4	0.142 26600 1	1.872 03503 2	0.378 98113 9	0.242 48165 2	0.9046 07432	1.3998 02044	2.0440 52507
TRCN 000010 1747	NM_133995 .1-1077slc1	103 149	Upb1	0.324 18499 2	1.398 88776 3	0.810 49533 8	1.693 46351 3	1.871 22703 3	0.347 87376 6	2.886 38063 6	0.9039 84609	1.5233 64235	1.5292 61565
TRCN 000007 5750	NM_180678 .2-1037slc1	353 172	Gars	0.013 61964 9	1.397 66440 1	0.607 10469	0.260 10469	1.869 5906 1	0.260 57619 7	1.704 42446 1	0.9027 22385	1.9402 22793	0.7692 84661
TRCN 000010 2743	NM_029702 .2-197slc1	766 88	Arfrp1	0.030 96204 4	1.397 66440 1	1.287 58176	0.471 50768 4	1.869 5906	0.552 64464 5	0.803 64923 1	0.9027 22385	0.8555 75982	0.3153 6215
TRCN 000018 8262	NM_146949 .1-69slc1	258 951	Olfrc339	0.013 61964 9	1.397 66440 1	0.607 10469 4	0.260 10469 1	1.869 5906	0.260 57619 7	1.704 42446 1	0.9027 22385	1.9402 22793	0.7692 84661
TRCN 000003 2092	NM_008939 .1-923slc1	191 42	Prss12	0.292 83852 3	1.397 49789 4	0.149 91679 6	3.679 39582 9	1.869 36787 3	0.064 34598 3	6.271 25225 2	0.9025 50503	3.9580 06092	2.6487 53551
TRCN 000009 8415	NM_009265 .2-571slc1	207 54	Sprrlb	0.204 10535 1	1.397 04038 2	0.611 81079 8	0.168 55488 8	1.868 75587 8	0.262 59611	0.287 28907 5	0.9020 78117	1.9290 82551	1.7994 24966
TRCN 000017 4746	NM_001013 391.1- 2705slc1	432 508	Cpsf6	0.132 13533 8	1.395 88557 2	0.013 49888	0.781 11937 5	1.867 21114 2	0.005 79387 2	1.331 35896 9	0.9008 85075	7.4312 56555	0.4128 99612
TRCN 000002 2874	NM_011101 .1-835slc1	187 50	Prkca	0.177 87348 1	1.395 86186 1	0.810 35613 7	0.016 86780 9	1.867 17942 5	0.347 81401 3	0.028 74990 6	0.9008 60569	1.5236 12036	5.1202 98949
TRCN 000010 8682	NM_145575 .1-1376slc1	109 624	Cald1	0.164 56241 4	1.394 84084 5	0.433 56857 3	0.203 12830 9	1.865 81366	0.186 09253 2	0.346 21685 8	0.8998 0491	2.4259 07936	1.5302 5212
TRCN 000002 3479	NM_007912 .1-745slc1	136 49	Egfr	0.387 29805 1	1.393 85884 1	0.187 79040 8	5.176 66781 3	1.864 50007 9	0.080 60176 5	8.823 23924 6	0.8987 88858	3.6330 4475	3.1413 08405
TRCN 000012 5472	NM_025944 .2-401slc1	670 63	281043 2L12Ri k	0.621 29294 5	1.392 50021 3	0.576 69338 1	1.043 45982 8	1.862 68270 6	0.247 52331 7	1.778 49845 4	0.8973 81943	2.0143 63659	0.8306 5972

TRCN 000019 3928	NM_172049 .1-263s1c1	211 986	Tmem1 8	1.020 66474 7	1.392 47582 9	0.250 50172 6	1.991 72154 8	1.862 65008 8	0.107 51817 2	3.394 73892 6	0.8973 56679	- 3.2173 47579	- 1.7633 00627
TRCN 000007 7796	NM_007635 .2-1289s1c1	124 52	Ccng2	0.572 10841	1.392 16648	54326 7	3.191 32712 9	1.862 23628 7	0.083 92938	5.439 37602 1	0.8970 36139	- 3.5746 80258	- 2.4434 41162
TRCN 000019 3083	NM_133662 .1-760s1c2	159 37	Ier3	0.379 19957 5	1.391 80004 2	1.333 08803 2	0.570 29306 9	1.861 74612	0.572 17645 1	0.972 02145 6	0.8966 56351	- 0.8054 67974	- 0.0409 39935
TRCN 000002 4886	NM_021463 .2-587s1c1	191 39	Prps1	0.566 38853 9	1.390 07414 7	0.883 4761	0.026 57166	1.859 43747	0.379 19792 8	0.045 28938 8	0.8948 66233	- 1.3989 77014	- 4.4646 83153
TRCN 000012 5601	NM_175402 .3-1844s1c1	109 095	Rbm15 b	0.127 88178 1	1.389 53553 1	4.770 86045 1	0.092 18167 9	1.858 71698 8	2.047 70722 9	0.157 11670 9	0.8943 0712	- 1.0340 09461	- 2.6700 91476
TRCN 000001 2838	NM_019499 .2-995s1c1	561 50	Mad211	0.588 12199 4	1.389 44816 2	0.411 26126	0.924 38688 8	1.858 60011 9	0.176 51798 1	1.575 54762 2	0.8942 16405	- 2.5021 12941	- 0.6558 53362
TRCN 000018 2145	NM_027171 .1-2740s1c1	696 97	231005 7J16Rik	0.025 76759 9	1.389 37853 5	0.170 83160 7	1.858 50698 1	0.073 32285 2	1.704 42446 7	0.8941 44108	- 3.7695 93196	- 0.7692 84661	
TRCN 000007 9823	NM_181328 .2-1395s1c1	214 663	Slc25a2 9	0.401 26053 3	1.388 61989 7	0.034 30347 8	1.603 76104 5	1.857 49218 8	0.014 72344 1	2.733 48955 4	0.8933 56143	- 6.0857 41338	- 1.4507 43862
TRCN 000002 3084	NM_009874 .1-503s1c1	125 72	Cdk7	0.784 54664 8	1.388 50794 6	0.418 21834 3	0.893 08451 5	1.857 34243 5	0.179 50404	1.522 19509 2	0.8932 39827	- 2.4779 11784	- 0.6061 53274
TRCN 000006 5816	NM_170786 .1-554s1c1	128 03	Cntf	0.128 22148 4	1.385 61716	0.643 88115 1	0.024 85709 2	1.853 47556 5	0.276 36106 7	0.042 36703 6	0.8902 33096	- 1.8553 73706	- 4.5609 13999
TRCN 000012 6203	NM_025661 .1-494s1c1	666 12	Ormdl3	0.315 43838 7	1.384 88716 9	0.879 79364 8	1.423 13822 1	1.852 49909	0.377 61737 8	2.425 63159 5	0.8894 72834	- 1.4050 02936	- 1.2783 6045
TRCN 000007 1052	NM_007626 .2-244s1c1	124 19	Cbx5	1.558 29932	1.384 13274 4	0.551 59749 4	1.381 02836 3	1.851 48993 2	0.236 75187 9	2.353 85852 3	0.8886 86704	- 2.0785 52219	- 1.2350 27611
TRCN 000006 7939	NM_011198 .2-1592s1c1	192 25	Ptgs2	0.183 77662 8	1.384 06767	0.355 59765 1	6.563 46181 4	1.851 40288 5	0.152 62653 1	11.18 69248 6	0.8886 18875	- 2.7119 22328	- 3.4837 41608
TRCN 000010 0637	NM_008850 .1-763s1c1	187 38	Pitpna	0.064 29629 5	1.383 35009 7	0.076 75327 4	0.263 00974 3	1.850 44302 1	0.032 94337 3	0.448 28023 9	0.8878 70713	- 4.9238 6792	- 1.1575 27191
TRCN 000006 9154	XM_134169 .4-174s1c1	117 39	Slc25a4	0.216 97676 8	1.382 00412 8	1.883 61907 2	0.162 90373 3	1.848 64258 1	0.808 47059 5	0.277 65710 7	0.8864 66319	- 0.3067 32792	- 1.8486 23769
TRCN 000009 1050	XM_144905 .5-1952s1c1	243 548	Prickle2	0.200 15769 2	1.381 91113 6	0.233 32853	1.781 54343 9	1.848 51819	0.100 14724 2	3.036 50621 5	0.8863 6924	- 3.3198 05401	- 1.6024 12322
TRCN 000003 7307	NM_030706 .1-825s1c1	808 90	Trim2	0.321 12960 6	1.381 39775 3	0.055 09701 8	1.847 83146 1	1.847 83146 2	0.023 64826 3	1.704 42446 1	0.8858 33177	- 5.4021 2197	- 0.7692 84661
TRCN 000011 9300	NM_019397 .1-827s1c1	541 56	Egfl6	0.565 68563 5	1.381 03879 4	0.766 41710 6	0.833 15019 8	1.847 35129 8	0.328 95488 4	1.420 04157 7	0.8854 5824	- 1.6040 38361	- 0.5059 33171
TRCN 000007 9545	NM_009196 .2-370s1c1	205 01	Slc16a1	0.141 14030 8	1.379 62383 8	0.590 18366 4	2.465 5869	1.845 45857 9	0.253 31349 9	4.202 40662 2	0.8839 79357	- 1.9810 04134	- 2.0712 15763
TRCN 000008 5468	NM_019426 .2-4390s1c1	543 43	Atf7ip	0.503 10154 8	1.379 04771 4	0.495 12227 3	1.406 99959 8	1.844 68792 4	0.212 51207 6	2.398 12453 1	0.8833 76768	- 2.2343 83272	- 1.2619 06578
TRCN 000011 1166	NM_015784 .1-525s1c1	507 06	Postn	0.457 71752 8	1.378 47646 7	1.203 62662 3	0.053 42350 4	1.843 92379 3	0.516 61015 1	0.091 05632 7	0.8827 79033	- 0.9528 52104	- 3.4570 96931
TRCN 000009 7004	NM_010436 .2-1184s1c1	152 70	H2afx	0.517 46734 7	1.376 91165 5	0.841 73808 2	0.852 72358	1.841 83061 7	0.361 28349 9	1.453 40292 8	0.8811 40391	- 1.4687 96732	- 0.5394 34718
TRCN 000006 7930	NM_145741 .2-633s1c1	145 60	Gdf10	0.290 14683 8	1.376 59342 2	2.095 80522 6	0.585 86088 5	1.841 40493 2	0.899 54329 1	0.998 55562 3	0.8808 06916	- 0.1527 35381	- 0.0020 85302

TRCN 000009 8337	NM_139001 .1-1094s1c1	121 021	Cspg4	0.195 38571 9	1.376 20457 1	2.310 95370 5	0.252 43432 1	1.840 88478 3	0.991 88745	0.430 25523 1	0.8803 99335	- 0.0117 51668	- 1.2167 35364
TRCN 000003 0942	NM_174874 .1-131s1c1	666 15	Atg4b	1.151 91039 6	1.375 29318 9	1.701 65687 1	0.363 45964 1	1.839 66567	0.730 37036 2	0.619 48950 3	0.8794 43604	- 0.4532 99872	- 0.6908 48258
TRCN 000003 1784	NM_007403 .1-115s1c1	115 01	Adam8	2.294 26592	1.373 59481 5	0.429 66838 8	0.103 24272 1	1.837 39383 4	0.184 41852 9	0.175 96941 9	0.8776 60892	- 2.4389 44483	- 2.5066 0336
TRCN 000005 5284	NM_009769 .2-1383s1c1	122 24	Klf5	1.692 45011 3	1.373 20627 2	0.229 09273 3	2.254 06882 8	1.836 87409 9	0.098 32919 9	3.841 89004 7	0.8772 52746	- 3.3462 36426	- 1.9418 1623
TRCN 000006 9709	NM_030601 .2-1408s1c1	807 97	Clca2	0.357 79963 1	1.373 11689 8	2.170 16646 3	0.053 31928 8	1.836 75454 8	0.931 45997 5	0.090 87869 9	0.8771 58847	- 0.1024 34318	- 3.4599 14009
TRCN 000011 4464	NM_009801 .3-769s1c1	123 49	Car2	0.525 99778 1	1.370 06458 3	0.626 55549 3	1.593 77575 5	1.832 67160 8	0.268 9247	2.716 47038 1	0.8739 48296	- 1.8947 25828	- 1.4417 33317
TRCN 000003 0758	NM_021522 .2-187s1c1	590 25	Usp14	0.276 89990	1.369 00509	0.666 39089	4.123 89334 1	1.831 25437 4	0.286 02250 5	7.028 86468 4	0.8728 32205	- 1.8057 99426	- 2.8132 91681
TRCN 000008 9580	NM_017379 .1-1237s1c1	538 57	Tuba8	0.394 89261	1.368 28748 8	1.366 23464 2	0.550 33496 8	1.830 29447 1	0.586 40335	0.938 00438	0.8720 75778	- 0.7700 34749	- 0.0923 33435
TRCN 000012 6458	NM_023516 .3-363s1c1	695 73	231001 6C08Ri k	0.118 06253 9	1.366 78469 4	0.350 79004 8	17.46 27575	1.828 28425 3	0.150 56305 3	29.76 39510 3	0.8704 90391	- 2.7315 60304	- 4.8954 94145
TRCN 000009 0743	NM_153103 .1-656s1c1	165 62	Kif1c	0.849 15029	1.364 43014 1	0.534 09153 9	1.252 79572 7	1.825 13467 7	0.229 23812 5	2.135 29568 2	0.8680 02925	- 2.1250 81094	- 1.0944 35859
TRCN 000007 1123	NM_012012 .2-1120s1c1	269 09	Exo1	0.645 88681	1.363 75965 8	0.006 94334 1	1.824 23780 1	0.002 98016	1.704 42446 1	0.8672 93808	- 8.3903 9425	- 0.7692 84661	
TRCN 000003 9047	NM_008234 .2-2258s1c1	152 01	Hells	0.920 07364	1.363 48986 2	0.831 53832 3	0.965 60284 1	1.823 87691	0.356 90564 7	1.645 79710 2	0.8670 08368	- 1.4863 85368	- 0.7187 86488
TRCN 000019 1782	NM_025335 .1-778s1c1	660 74	061004 1E09Ri k	0.215 24151 1	1.363 39486 4	0.116 23755 6	0.750 39377 3	1.823 74983 5	0.049 89047 3	1.278 98950 2	0.8669 07847	- 4.3250 91845	- 0.3550 04422
TRCN 000008 6488	NM_172296 .1-2426s1c1	242 620	Dmrta2	0.211 51326	1.363 34418	0.197 97020 2	1.819 35767 8	1.823 68203 8	0.084 97104 9	3.100 95772 9	0.8668 54215	- 3.5568 84823	- 1.6327 1386
TRCN 000008 9051	NM_009704 .2-449s1c1	118 39	Areg	0.321 03030	1.362 92243	1.864 63954 5	0.691 81653 8	1.823 11788 8	0.800 32436 8	1.179 14903	0.8664 07853	- 0.3213 43258	- 0.2377 46069
TRCN 000008 0813	NM_011851 .2-2033s1c1	239 59	Nt5e	0.497 86258	1.362 71584 5	1.020 83777 5	0.638 20528 2	1.822 84154 3	0.438 15511 1	1.087 77269 4	0.8661 89155	- 1.1904 86407	- 0.1213 77116
TRCN 000003 1702	NM_012055 .1-1603s1c1	270 53	Asns	0.843 83201	1.361 89086 3	0.372 81472 5	1.486 08167 9	1.821 73800 3	0.160 01629 4	2.532 91396 5	0.8653 1549	- 2.6437 09277	- 1.3407 98074
TRCN 000005 4574	NM_011349 .2-299s1c1	203 50	Sema3f	0.182 85615	1.361 49376 2	2.136 19049 4	0.658 20230 9	1.821 20682	0.916 87710 5	1.121 85611 5	0.8648 94767	- 0.1251 99723	- 0.1658 87653
TRCN 000017 6170	NM_030131 .2-103s1c1	984 17	Cnih4	0.178 92876	1.358 15866 5	0.027 57073	1.816 74561 1	0.011 83366 9	1.704 42446 1	0.8613 56424	- 6.4009 5873	- 0.7692 84661	
TRCN 000007 2092	NM_011462 .1-711s1c1	207 29	Spin	0.271 93156	1.356 43100 3	0.202 68263 7	0.796 95876 9	1.814 43460 2	0.086 99367 8	1.358 35602 1	0.8595 20059	- 3.5229 45621	- 0.4418 61655
TRCN 000012 1354	NM_026036 .1-426s1c1	672 13	Cmtm6	0.091 87865	1.354 66664	0.322 22907	0.494 72650 2	1.812 07449 6	0.138 30435 9	0.843 22395 2	0.8576 42267	- 2.8540 81469	- 0.2460 12248
TRCN 000010 9335	NM_009980 .2-1807s1c1	130 17	Ctbp2	0.399 02327	1.351 49380 6	1.521 81406 5	0.541 93416 7	1.807 83034 4	0.653 17979 7	0.923 68585 1	0.8542 59295	- 0.6144 47925	- 0.1145 25826
TRCN 000012 4594	NM_019631 .2-1385s1c1	562 77	Tmem4 5a	0.385 79574	1.350 27430	1.230 87086 3	0.412 53893 8	1.806 19907 5	0.528 30368 7	0.703 14145 8	0.8529 56912	- 0.9205 60618	- 0.5081 13136

TRCN 000019 0209	NM_009477 .1-614slcl	222 71	Upp1	0.101 30999 7	1.350 18818	0.192 06556 7	1	1.806 08386 9	0.082 43671 2	1.704 42446 1	0.8528 64889	3.6005 69224	0.7692 84661
TRCN 000017 5879	NM_025813 .1-687slcl	668 68	Mfsd1	0.147 61265 1	1.347 89304 7	1.704 74552 3	0.014 60052 3	1.803 01377 6	0.731 69604 6	0.024 88548 8	0.8504 1042	0.4506 83631	5.3285 51527
TRCN 000008 1068	XM_358362 .2-6780slcl	192 83	Ptprz1	1.062 60276 9	1.345 98812 4	0.353 59718 3	0.924 85203 1	1.800 46564 9	0.151 76790 8	1.576 34042 4	0.8483 70075	2.7200 61339	0.6565 7913
TRCN 000002 9952	NM_008981 .1-1155slcl	192 70	Ptprg	0.134 10363 1	1.344 70917 1	0.306 27231 1	1	1.798 75485 4	0.131 45553 8	1.704 42446 1	0.8469 9858	2.9273 53177	0.7692 84661
TRCN 000003 9176	NM_029669 .2-936slcl	765 94	Dnajc1 8	0.883 86527 5	1.344 65465 1	0.084 80417 6	1.640 58913 3	1.798 68192 4	0.036 39891 1	2.796 26024 8	0.8469 40086	4.7799 60914	1.4834 98638
TRCN 000006 6200	NM_010099 .1-1197slcl	136 07	Eda	0.906 20624 3	1.344 00211 1	0.402 53338 4	0.759 65032 3	1.797 80905 2	0.172 77187 8	1.294 76659 2	0.8462 39798	2.5330 59683	0.3726 92046
TRCN 000005 5285	NM_009769 .2-581slcl	122 24	Klf5	0.225 85698 3	1.342 14117 7	0.021 17974 3	76.22 33749 8	1.795 31976 7	0.009 09058 5	129.9 16984 8	0.8442 40828	6.7814 11147	7.0214 46245
TRCN 000010 6039	NM_028818 .1-1119slcl	742 06	261051 1M17Ri k	0.067 09804 7	1.342 08968 5	0.065 62725 4	42.05 57510 5	1.795 25088 9	0.028 16795 9	71.68 08508 1	0.8441 85477	5.1498 01148	6.1635 15856
TRCN 000008 8558	NM_030704 .1-1373slcl	808 88	Hspb8	0.094 66691 7	1.338 54596 6	1.779 32728 7	0.540 74727	1.790 51062 1	0.763 70738 3	0.921 66287 4	0.8403 71076	0.3889 08124	0.1176 88958
TRCN 000010 0806	NM_009120 .1-491slcl	202 24	Sar1a	0.414 92570 3	1.337 65651 9	1.849 26924 6	0.422 33091	1.789 32084 9	0.793 72726 2	0.719 83113 4	0.8394 12105	0.3332 84736	0.4742 69592
TRCN 000010 1522	NM_153389 .2-4186slcl	231 287	Atp10d	0.684 87981 8	1.336 20623 7	1.264 30985 1	1.148 12004 9	1.787 38087 5	0.542 65607 8	1.956 88389 5	0.8378 47093	0.8818 89951	0.9685 58161
TRCN 000011 2988	NM_001009 818.1- 218slcl	523 98	39335	0.305 82381 8	1.334 90112 1	0.426 14798 4	0.016 47837 6	1.785 63508 2	0.182 90753 1	0.028 08614 7	0.8364 37277	2.4508 13615	5.1539 97492
TRCN 000006 7313	NM_010509 .1-2063slcl	159 76	Ifnar2	0.437 91263 9	1.334 09521 6	0.740 24502 4	0.284 90545	1.784 55706	0.317 72153 1	0.485 59981 7	0.8355 66031	1.6541 65235	1.0421 60216
TRCN 000003 2091	NM_008939 .1-2228slcl	191 42	Prss12	0.124 11328 8	1.332 69667 6	1.208 42241 1	0.016 14170 3	1.782 68629 9	0.518 66855 7	0.027 51231 4	0.8340 52853	0.9471 15182	5.1837 78726
TRCN 000002 3764	NM_152809 .1-835slcl	704 25	Csnk1g 3	0.410 29095 4	1.332 67109	0.870 85418 7	0.533 86076 9	1.782 65207 3	0.373 78046	0.909 92535 4	0.8340 25154	1.4197 36944	0.1361 79897
TRCN 000009 8785	NM_144799 .1-1419slcl	309 37	Lmcd1	0.508 97901 3	1.330 91364 4	0.549 08648 6	1.207 98260 7	1.780 30121 9	0.235 67412 6	2.058 91510 4	0.8321 21359	2.0851 34718	1.0418 84344
TRCN 000004 1542	NM_008278 .1-464slcl	154 46	Hpgd	0.288 96780 8	1.328 78584 7	2.101 65816 2	0.271 68019 9	1.777 45496 5	0.902 05543 7	0.463 05837 6	0.8298 13007	0.1487 11996	1.1107 34015
TRCN 000008 5448	NM_008592 .1-2187slcl	173 00	Foxc1	0.268 85183 3	1.328 17686 3	1.195 12906 2	0.805 38783 6	1.776 64035 5	0.512 96290 2	1.372 72272 7	0.8291 51666	0.9630 73603	0.4570 40249
TRCN 000007 1117	NM_007842 .1-1113slcl	132 11	Dhx9	0.175 48562 7	1.327 73960 1	0.491 72291 1	37.12 89062 3	1.776 05544 9	0.211 05303 1	63.28 34159 7	0.8286 76624	2.2443 22546	5.9837 55572
TRCN 000002 4000	XM_139298 .4-1396slcl	105 787	Prkaal	0.120 02188 5	1.326 96539 6	0.035 89731 3	1	1.775 01983 2	0.015 40753 3	1.704 42446 1	0.8278 35143	6.0202 20339	0.7692 84661
TRCN 000012 6907	NM_023041 .2-553slcl	192 98	Pex19	0.642 84035 3	1.326 05120 8	0.676 10777 4	0.567 61657 4	1.773 79696 5	0.290 19309 9	0.967 45957 4	0.8268 40884	1.7849 14886	0.0477 26717
TRCN 000009 8336	NM_139001 .1-3418slcl	121 021	Cspg4	0.439 76381 6	1.325 28742	0.294 57630 3	1.278 13557 5	1.772 77528 2	0.126 43547 9	2.178 48553 8	0.8260 09671	2.9835 26746	1.1233 25536
TRCN 000017 4838	NM_020588 .1-1616slcl	574 39	130000 7B12Ri k	0.608 58728	1.324 62739 1	1.295 28672 6	0.330 77481 7	1.771 89239 1	0.555 95170 3	0.563 78068 9	0.8252 9099	0.8469 68537	0.8267 94031

TRCN 000000 8552	NM_008929 .2-306s1c1	191 07	Dnajc3	0.080 61900	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000001 1895	NM_010634 .1-149s1c1	165 92	Fabp5	0.047 71666	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000001 2279	NM_009684 .1-2273s1c1	117 83	Apaf1	0.030 90133	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000001 8474	NM_008548 .2-1171s1c1	171 55	Man1a	0.026 27218	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000002 3300	NM_007377 .1-1146s1c1	113 02	Aatk	0.005 71718	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000002 3577	NM_010568 .1-3573s1c1	163 37	Insr	0.007 25435	1.323 58117	121.0 06239	0.006 24369	1.770 49292	51.93 72458	0.010 64190	0.8241 51077	5.6986 97607	- 6.5540 99655
TRCN 000002 7377	NM_033269 .2-1435s1c1	126 71	Chrm3	0.047 71666	1.323 58117	0.967 23500	0.781 11937	1.770 49292	0.415 14819	1.331 35896	0.8241 51077	- 1.2683 0166	0.4128 99612
TRCN 000002 8798	NM_013557 .1-806s1c1	154 67	Eif2ak1	0.017 23540	1.323 58117	1.178 94401	0.640 84977	1.770 49292	0.506 01609	1.092 28003	0.8241 51077	- 0.9827 44822	0.1273 42774
TRCN 000003 1220	NM_008611 .2-1021s1c1	173 94	Mmp8	0.055 23020	1.323 58117	2.025 78002	0.372 9556	1.770 49292	0.869 48768	0.635 67464	0.8241 51077	- 0.2017 62504	- 0.6536 39544
TRCN 000003 1562	NM_146150 .2-530s1c1	230 598	Nrd1	0.017 23540	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000003 2607	NM_009613 .1-1615s1c1	114 88	Adam1	0.065 55215	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000003 7194	NM_026418 .1-660s1c1	678 65	Rgs10	0.080 61900	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000004 0829	NM_053084 .1-1683s1c1	698 07	Trim32	0.009 92209	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000004 0928	NM_080510 .1-1544s1c1	709 28	Rnf36	0.065 55215	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000005 4617	NM_009689 .1-138s1c1	117 99	Birc5	0.037 51071	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000006 6272	NM_177347 .2-574s1c1	230 396	Ifna13	0.065 55215	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000006 7027	NM_007780 .1-608s1c1	129 83	Csf2rb1	0.080 61900	1.323 58117	0.755 52600	1.603 76104	1.770 49292	0.324 28030	2.733 48955	0.8241 51077	- 1.6246 86709	1.4507 43862
TRCN 000007 0205	NM_025530 .1-913s1c1	663 88	Cutc	0.026 27218	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000007 0902	NM_010463 .1-56s1c1	154 21	Hoxc12	0.018 12608	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000007 1495	NM_028376 .1-1062s1c1	382 562	Pfn4	0.065 55215	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000007 1677	NM_008973 .1-1686s1c1	192 42	Ptn	0.055 23020	1.323 58117	6.683 37809	0.113 04552	1.770 49292	2.868 58141	0.192 67756	0.8241 51077	- 1.5203 37467	- 2.3757 39514
TRCN 000007 1684	NM_009861 .1-384s1c1	125 40	Cdc42	0.016 42815	1.323 58117	52.20 08138	0.285 36716	1.770 49292	22.40 51792	0.486 38677	0.8241 51077	- 4.4857 60366	- 1.0398 24086
TRCN 000007 1941	NM_011595 .1-490s1c1	218 59	Timp3	0.080 61900	1.323 58117	0.755 52600		1.770 49292	0.324 28030	1.704 42446	0.8241 51077	- 1.6246 86709	0.7692 84661

TRCN 000007 6676	NM_007757 .1-1278slcl	128 92	Cpox	0.042 00260 5	1.323 58117 9	0.755 52600 5	1.603 76104 5	1.770 49292 2	0.324 28030 1	2.733 48955 4	0.8241 51077	1.6246 86709	- 43862
TRCN 000007 6918	NM_013829 .1-2010slcl	187 98	Plcb4	0.011 95040 5	1.323 58117 9	0.755 52600 5	2.207 52209	1.770 49292 2	0.324 28030 1	3.762 55464 8	0.8241 51077	1.6246 86709	- 1.9117 12536
TRCN 000007 7131	NM_008838 .1-285slcl	187 01	Pigf	0.055 23020 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000007 9255	NM_023908 .1-771slcl	108 116	Slco3a1	0.024 44146 2	1.323 58117 9	14.94 00292 2	0.569 62391 2	1.770 49292 2	6.412 42940 5	0.970 88092 9	0.8241 51077	2.6808 71038	- 0.0426 33723
TRCN 000007 9388	NM_019741 .2-2819slcl	564 85	Slc2a5	0.026 27218 9	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 0603	NM_023595 .3-762slcl	110 074	Dut	0.033 88675 1	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 1744	NM_008241 .1-1145slcl	152 28	Foxg1	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 2202	NM_018809 .1-943slcl	192 13	Ptf1a	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 2294	NM_013914 .2-297slcl	309 27	Snai3	0.055 23020 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 5418	NM_008090 .3-2490slcl	144 61	Gata2	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 7984	XM_486767 .2-367slcl	434 849	LOC43 4849	0.028 39935 3	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	1.2683 0166	- 0.4128 99612
TRCN 000008 8177	NM_008569 .1-240slcl	172 22	Anapc1	0.042 00260 5	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	1.2683 0166	- 0.4128 99612
TRCN 000008 9248	XM_193011 .3-163slcl	187 25	Pira2	0.065 55215 2	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000008 9346	NM_011702 .1-203slcl	223 53	Vip	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 0007	NM_007733 .1-629slcl	128 23	Col19a 1	0.055 23020 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 2750	NM_175654 .1-69slcl	319 156	Hist1h4 d	0.055 23020 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 3082	XM_484795 .1-734slcl	433 238	LOC43 3238	0.030 90133 2	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 5345	NM_199062 .1-427slcl	331 188	BC0240 63	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 6523	NM_009549 .2-1003slcl	226 73	Zfp185	0.065 55215 2	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000009 7788	NM_016927 .1-1613slcl	538 71	Pkd2l2	0.065 55215 2	1.323 58117 9	0.755 52600 5	399.4 82289 6	1.770 49292 2	0.324 28030 1	680.8 87386 1	0.8241 51077	1.6246 86709	- 9.4112 72396
TRCN 000010 0983	NM_007596 .1-689slcl	123 28	Caml	0.024 44146 2	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000010 1633	NM_016765 .1-528slcl	517 93	Ddah2	0.055 23020 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661
TRCN 000010 2084	NM_144520 .1-654slcl	678 15	Sec14l2	0.080 61900 3	1.323 58117 9	0.755 52600 5	1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 0.7692 84661

TRCN 000010 3281	NM_010356 .2-389slcl	148 59	Gsta3	0.055 23020 3	1.323 58117 9	0.755 52600 5	1.603 76104 5	1.770 49292 2	0.324 28030 1	2.733 48955 4	0.8241 51077	1.6246 86709	- 43862
TRCN 000010 3282	NM_010356 .2-311slcl	148 59	Gsta3	0.002 44681 9	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 3430	NM_010357 .1-297slcl	148 60	Gsta4	0.033 88675 1	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 5490	NM_008219 .2-171slcl	151 32	Hbb- bh1	0.017 23540 1	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	1.2683 0166	- 99612
TRCN 000010 8566	NM_025507 .1-960slcl	663 54	Snw1	0.033 88675 1	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 8594	NM_133772 .1-885slcl	769 00	Ssbp4	0.021 45181 9	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 8695	NM_010061 .4-116slcl	134 19	Dnase1	0.047 71666	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	1.2683 0166	- 99612
TRCN 000010 8853	NM_016798 .2-914slcl	533 18	Pdlim3	0.055 23020 3	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 9410	NM_007615 .1-3996slcl	123 88	Ctnd1	0.022 84926 3	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000010 9814	NM_008864 .1-653slcl	187 75	Csh1	0.026 27218	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 0284	NM_172693 .2-306slcl	230 145	Galnt12	0.015 69313 5	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 0824	NM_001009 980.1- 267slcl	767 75	241019 3C02Ri k	0.080 61900 3	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 1214	NM_011521 .1-599slcl	209 71	Sdc4	0.006 9662	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 1319	NM_009087 .1-232slcl	200 18	Rpol-3	0.037 51071	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 2948	NM_172397 .1-387slcl	678 03	Limd2	0.003 46078 7	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 4337	NM_019699 .1-986slcl	564 73	Fads2	0.024 44146 2	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000011 4736	NM_009043 .1-215slcl	196 93	Reg2	0.033 88675 1	1.323 58117 9	1.390 65301 4	0.543 28865 4	1.770 49292 2	0.596 88399 2	0.925 99447 1	0.8241 51077	0.7444 77533	- 24515
TRCN 000011 4782	NM_008695 .1-790slcl	180 74	Nid2	0.047 71666	1.323 58117 9	1.814 07102 1	0.416 48094	1.770 49292 2	0.778 61978 6	0.709 86030 2	0.8241 51077	0.3610 09088	- 92959
TRCN 000012 0022	NM_028291 .3-2268slcl	725 87	Pan3	0.080 61900 3	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000012 1013	NM_145743 .1-680slcl	215 951	Lace1	0.042 00260 5	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	1.2683 0166	- 99612
TRCN 000012 1050	NM_181516 .2-998slcl	668 26	Taz	0.024 44146 2	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000012 3573	NM_025875 .1-420slcl	603 65	Rbm8a	0.011 18803 7	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661
TRCN 000012 6808	NM_022016 .1-2313slcl	638 59	Impg1	0.055 23020 3	1.323 58117 9	0.755 52600 5	1 1	1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	1.6246 86709	- 84661

TRCN 000017 3891	NM_026521 .3-404s1c1	680 36	Zfp706	0.042 00260 5	1.323 58117 9	0.967 23500 8	25.30 48107 7	1.770 49292 2	0.415 14819 8	43.13 01384 5	0.8241 51077	- 1.2683 0166	5.4306 24442
TRCN 000017 5009	NM_010000 .1-1522s1c1	130 94	Cyp2b9	0.005 13166 8	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000017 5348	NM_134183 .1-579s1c1	171 201	V1rc28	0.065 55215 2	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000017 6687	NM_013865 .1-1380s1c1	298 12	Ndr3	0.003 64038 9	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000017 9177	NM_175696 .2-814s1c1	319 352	C53002 8O21Ri k	0.022 84926 3	1.323 58117 9	164.6 18294 5	0.004 58956 3	1.770 49292 2	70.65 60326 4	0.007 82256 3	0.8241 51077	- 6.1427 40839	- 6.9981 42886
TRCN 000018 1809	NM_198669 .1-71s1c1	381 833	Prb1	0.065 55215 2	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000018 1847	NM_053086 .1-1367s1c1	707 69	Nolc1	0.030 90133 2	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000018 3394	NM_177738 .1-637s1c1	243 535	BC0486 71	0.042 00260 5	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000018 4890	NM_146359 .1-179s1c1	258 356	Olf1564	0.055 23020 3	1.323 58117 9	139.4 24923 1	1.029 46243	1.770 49292 2	59.84 27528 9	1.754 64094 8	0.8241 51077	- 5.9031 04638	0.8111 75842
TRCN 000018 6979	NM_001011 753.1- 338s1c1	257 908	Olf115	0.055 23020 3	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000019 0975	NM_001033 802.1- 1315s1c1	619 298	G93004 5G22Ri k	0.047 71666 9	1.323 58117 9	0.967 23500 8	0.781 11937 5	1.770 49292 2	0.415 14819 8	1.331 35896 9	0.8241 51077	- 1.2683 0166	0.4128 99612
TRCN 000019 2786	NM_009169 .1-237s1c1	204 22	Shfm1	0.010 21093 8	1.323 58117 9	1.178 94401 1	0.640 84977 5	1.770 49292 2	0.506 01609 5	1.092 28003 3	0.8241 51077	- 0.9827 44822	0.1273 42774
TRCN 000019 7922	NM_177889 .2-1648s1c1	330 502	Zfp82	0.033 88675 1	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000020 1799	NM_027122 .2-1094s1c1	695 72	Mfsd3	0.024 44146 2	1.323 58117 9	0.755 52600 5		1.770 49292 2	0.324 28030 1	1.704 42446 1	0.8241 51077	- 1.6246 86709	0.7692 84661
TRCN 000008 6388	NM_009261 .1-2138s1c1	207 44	Strbp	0.126 04207 6	1.322 98732 5	0.938 88631 2	0.444 83963 7	1.769 69855 2	0.402 98061 7	0.758 19555 8	0.8235 03635	- 1.3112 17647	- 0.3993 5809
TRCN 000009 3475	NM_020578 .1-1952s1c1	574 40	Ehd3	0.203 33429 2	1.322 41191 4	4.034 02238 4	0.669 91577 4	1.768 92884 6	1.731 44800 2	1.141 82083 2	0.8228 76018	- 0.7919 79062	0.1913 36289
TRCN 000003 0646	NM_009982 .2-1436s1c1	130 32	Ctsc	0.197 41067 5	1.322 26028 4	1.304 96446 3	1.094 59611 2	1.768 72602 3	0.560 10549 7	1.865 65638 8	0.8227 10591	- 0.8362 29508	0.8996 83299
TRCN 000009 5935	NM_011749 .3-2058s1c1	226 61	Zfp148	0.296 00706 4	1.321 69348 9	1.420 08385 4	0.737 87833 2	1.767 96784 7	0.609 51604 1	1.257 65787 7	0.8220 92038	- 0.7142 63906	0.3307 39517
TRCN 000017 6093	NM_025813 .1-996s1c1	668 68	Mfsd1	0.289 79689 6	1.320 05709 8	1.330 50697 3	0.401 47634 7	1.765 77892 3	0.571 06863 1	0.684 28610 6	0.8203 04728	- 0.8082 63956	- 0.5473 28441
TRCN 000002 3950	NM_012025 .3-1122s1c1	269 34	Racgap 1	0.292 51410 6	1.319 83040 2	1.122 07507 2	0.360 55669 9	1.765 47568 2	0.481 60730 3	0.614 54165 7	0.8200 56949	- 1.0540 70825	- 0.7024 17288
TRCN 000017 6852	NM_178901 .2-257s1c1	101 602	AI4676 06	0.588 29769 7	1.318 85785 7	0.176 39321 2	6.975 99167 7	1.764 17475 5	0.075 70996 5	11.89 00508 5	0.8189 93478	- 3.7233 73075	- 3.5716 8298
TRCN 000008 7927	NM_172301 .2-683s1c1	268 697	Ccnb1	0.242 23832 2	1.318 66442 2	0.065 84065 4	34.26 53903 2	1.763 91600 5	0.028 25955 3	58.40 27694 2	0.8187 81864	- 5.1451 1755	- 5.8679 64877
TRCN 000008 6039	NM_175009 .2-387s1c1	223 527	Eny2	0.211 03905 5	1.314 41714 5	0.818 21746 5	0.172 15799 9	1.758 23461 4	0.351 18818 4	0.293 43030 5	0.8141 27593	- 1.5096 83789	- 1.7689 10216

TRCN 000010 0207	NM_007487 .2-305slcl	118 61	Arl4a	0.739 16857 7	1.312 73938 9	0.190 7611	2.242 26076	1.755 99036 4	0.081 87682	3.821 76408 7	0.8122 84928	- 3.6104 01113	1.9342 38725
TRCN 000006 5678	NM_013589 .1-2863slcl	169 97	Ltbp2	0.276 18376 2	1.312 57661 7	2.511 66429 3	0.071 99503 7	1.755 77263 2	1.078 03470 3	0.122 71010 1	0.8121 06032	0.1084 03621	- 3.0266 74079
TRCN 000007 7165	NM_138599 .2-693slcl	281 85	Tomm7 0a	1.809 77123 3	1.312 09294	0.403 93683 7	0.940 56275	1.755 12564	0.173 37425 6	1.603 11815 7	0.8115 74309	2.5280 38405	0.6808 80763
TRCN 000000 9750	NM_028133 .1-618slcl	112 407	Egln3	0.270 36137 3	1.311 72307 1	0.060 48912 7	90.96 03956 9	1.754 63088 4	0.025 96261 7	155.0 35123 4	0.8111 67567	5.2674 20367	7.2764 51286
TRCN 000011 4461	NM_009801 .3-1047slcl	123 49	Car2	0.246 37407 3	1.311 25827 3	0.102 02910 4	7.669 61385	1.754 00914 4	0.043 79204 5	13.07 22774 5	0.8106 56269	4.5131 87381	3.7084 38604
TRCN 000007 7166	NM_138599 .2-694slcl	281 85	Tomm7 0a	1.264 05839 1	1.309 31623 6	0.342 81225 4	1.266 95861	1.751 41137 2	0.147 13889 4	2.159 43524 6	0.8085 17984	2.7647 4944	1.1106 54056
TRCN 000012 4315	NM_207675 .2-921slcl	547 25	Igsf4a	0.394 55044 2	1.308 32878 7	2.198 80664 4	0.423 82258 3	1.750 09050 8	0.943 75266 4	0.722 37357 8	0.8074 29535	0.0835 19283	0.4691 82969
TRCN 000009 1775	NM_010615 .1-2767slcl	165 51	Kif11	0.203 98519 8	1.307 37226 3	0.909 83157 7	1.410 40282 1	1.748 81101	0.390 50999 7	2.403 92506 7	0.8063 74389	1.3565 68615	1.2653 91927
TRCN 000009 6135	NM_008667 .2-513slcl	179 36	Nab1	0.437 98065 2	1.306 78273	0.719 13587 9	0.917 79359 1	1.748 02241 9	0.308 66124 7	1.564 30984 6	0.8057 23688	1.6959 03732	0.6455 26299
TRCN 000017 4007	NM_134052 .1-859slcl	104 923	Adi1	0.095 25759 8	1.303 63382 8	0.071 81634 5	26.71 96391 2	1.743 81027 9	0.030 82438 7	45.54 16065	0.8022 43088	5.0197 83994	5.5091 13279
TRCN 000001 2264	NM_009807 .1-38slcl	123 62	Casp1	0.316 75053 8	1.302 43563 3	1.007 45961 4	0.010 10556 9	1.742 20751	0.432 41305 3	0.017 22417 8	0.8009 1647	1.2095 1802	5.8594 21033
TRCN 000002 2875	NM_011101 .1-1602slcl	187 50	Prkca	0.590 89653 7	1.302 21324 6	0.851 38596 6	2.523 41706 9	1.741 91003 4	0.365 42448	4.300 97377 7	0.8006 70113	1.4523 54812	2.1046 63335
TRCN 000018 3560	NM_028760 .1-1037slcl	741 07	Cep55	0.308 27222 9	1.301 71936 9	1.114 34349 3	0.699 35376 6	1.741 24939 8	0.478 28882 2	1.191 99566 6	0.8001 22854	1.0640 46019	0.2533 7899
TRCN 000008 6164	NM_011448 .2-1231slcl	206 82	Sox9	0.767 76607	1.300 34440 5	0.907 29915 2	0.728 57131 1	1.739 41017 2	0.389 42305 1	1.241 79476 4	0.7985 98176	1.3605 89812	0.3124 26754
TRCN 000011 9852	NM_007808 .2-588slcl	130 63	Cycs	0.221 81833	1.299 78323 6	0.018 06304 9	1.603 76104 5	1.738 65952 1	0.007 75286 5	2.733 48955 4	0.7979 7544	7.0110 54753	1.4507 43862
TRCN 000018 9220	XM_109868 .4-1741slcl	319 939	Tns3	0.179 25667 1	1.294 13873 1	0.136 95241 9	0.203 12830 9	1.731 10913 1	0.058 78152 6	0.346 21685 8	0.7916 96676	4.0884 93377	1.5302 5212
TRCN 000017 3780	NM_024281 .1-2688slcl	819 10	Rrbp1	0.829 95032 3	1.293 08917 1	1.237 13637 4	0.363 40969 9	1.729 70518 3	0.530 99291 5	0.619 40438	0.7905 26161	0.9132 35485	0.6910 46511
TRCN 000017 5497	NM_177715 .3-1008slcl	239 217	Kctd12	2.613 74186 3	1.292 83408 7	0.486 32794	1.171 38638 3	1.729 36396 9	0.208 73744 9	1.996 53960 4	0.7902 41536	2.2602 38645	0.9975 0169
TRCN 000009 6642	NM_021878 .2-3332slcl	164 68	Jarid2	0.444 30604 1	1.292 51786 3	0.433 16869 5	3.338 73565	1.728 94097 1	0.185 9209	5.690 62271	0.7898 88614	2.4272 39139	2.5085 86531
TRCN 000020 0605	NM_153525 .2-944slcl	233 724	Tmem4 1b	0.280 97093 2	1.292 23200 1	0.713 05036 7	0.199 54210 4	1.728 55858 7	0.306 04927 7	0.340 10444 3	0.7895 69502	1.7081 64135	1.5559 50244
TRCN 000002 5671	NM_009516 .2-2178slcl	223 90	Wee1	0.496 25065 9	1.291 39712	1.806 15422	0.155 27904 8	1.727 44180 5	0.775 22180 5	0.264 66140 7	0.7886 37109	0.3673 18944	1.9177 80257
TRCN 000012 5409	NM_173437 .1-6349slcl	215 690	Nav1	0.560 32563 4	1.291 00052 7	0.955 52645 3	0.617 58768 1	1.726 91130 1	0.410 12275 4	1.052 63155 1	0.7881 93984	1.2858 72308	0.0740 00543
TRCN 000008 8097	NM_013726 .1-1274slcl	272 14	Dbf4	0.067 59257 6	1.290 80187 1	0.923 74026 1	0.612 77699 9	1.726 64556 9	0.396 47976 1	1.044 43210 6	0.7879 71969	1.3346 80872	0.0627 18713

TRCN 000012 5082	NM_007791 .2-577slcl	130 07	Csrp1	0.372 77103 8	1.290 22564 5	0.193 09745 2	0.469 16982 5	1.725 87477 7	0.082 87960 9	0.799 66452 6	0.7873 27792	- 3.5928 38995	- 0.3225 33206
TRCN 000002 7750	XM_129694 .3-451slcl	718 77	Efhc1	0.078 80242 6	1.290 13210 8	5.942 14067 5	1.308 86546 1	1.725 74965 7	2.550 43394 8	2.230 86230 8	0.7872 23198	1.3507 42733	1.1576 01471
TRCN 000005 4348	NM_176933 .3-920slcl	319 520	Dusp4	0.346 44255 6	1.289 29992 9	0.038 58657 3	24.54 66807 5	1.724 63649 5	0.016 56179 3	41.83 79631 3	0.7862 9231	5.9159 97311	5.3867 4071
TRCN 000001 2839	NM_019499 .2-446slcl	561 50	Mad2l1	0.275 77989 6	1.288 18661 3	1.710 00353 9	0.742 35136 3	1.723 14725 9	0.733 95284 7	1.265 28182 2	0.7850 45998	0.4462 40716	0.3394 58759
TRCN 000012 4472	NM_020010 .2-574slcl	131 21	Cyp51	0.801 64316 9	1.288 14316 9	0.214 56916 7	2.564 05526 4	1.723 08914 6	0.092 09551 2	4.370 23851 2	0.7849 97343	3.4407 25343	2.1277 12018
TRCN 000010 1264	NM_028450 .1-804slcl	706 76	Gulp1	0.309 23597 1	1.286 74795 8	0.640 14202 8	0.749 83843 7	1.721 22283 7	0.274 75619 4	1.278 04296 1	0.7834 33887	1.8637 76091	0.3539 36333
TRCN 000019 1181	NM_026412 .1-1282slcl	519 44	D2Ertd 750e	0.618 80005 8	1.286 35587 6	0.380 69493 7	1.267 97408 6	1.720 69836 7	0.163 39857 7	2.161 16604 8	0.7829 9422	2.6135 3274	1.1118 09922
TRCN 000002 3219	NM_010434 .1-289slcl	152 59	Hipk3	0.586 00101 8	1.286 34269 7	1.592 23183 7	0.024 08440 8	1.720 68072 9	0.683 40390 1	0.041 05005 4	0.7829 79431	0.5491 89612	4.6064 72071
TRCN 000017 6958	NM_011513 .1-395slcl	209 33	Surf5	0.179 11495 6	1.284 25284 4	0.021 84760 7	23.41 83729 7	1.717 88524 7	0.009 37724 2	39.91 48477 2	0.7806 33663	6.7366 20953	5.3188 53602
TRCN 000009 1139	XM_138682 .3-178slcl	212 252	UNK	0.324 01476 4	1.283 66339 1	0.590 01065 1	0.919 43619 7	1.717 09675 6	0.253 23924 4	1.567 10954 4	0.7799 71335	1.9814 27124	0.6481 0603
TRCN 000003 7347	NM_178779 .2-842slcl	320 311	Rnf152	0.579 27514 4	1.283 46832 2	1.524 38267 9	0.087 65402 1	1.716 83582 1	0.654 28227 5	0.149 39965 7	0.7797 52083	0.6120 14907	2.7427 51257
TRCN 000004 2524	NM_008709 .2-1529slcl	181 09	Mycn	0.773 37781 2	1.282 80656 2	1.120 39122 2	0.551 55711 7	1.715 95061 5	0.480 88457 6	0.940 08744 2	0.7790 08033	1.0562 37441	0.0891 3314
TRCN 000017 3689	NM_026796 .1-540slcl	226 830	Smyd2	0.178 92162 6	1.281 95917 6	1.882 99785 3	1.120 71372 7	1.714 81710 7	0.808 20396 1	1.910 17187 7	0.7780 54714	0.3072 08672	0.9337 02458
TRCN 000018 1911	NM_011513 .1-313slcl	209 33	Surf5	0.154 86965 7	1.280 84142 3	7.734 19947 3	0.955 59139 7	1.713 32194 1	3.319 60583 1	1.628 73335 2	0.7767 96265	1.7310 11947	0.7037 50432
TRCN 000007 0534	NM_010710 .2-1654slcl	168 70	Lhx2	0.580 54097 2	1.280 45729 4	0.036 94441 5	117.2 68653 5	1.712 80810 9	0.015 85695 8	199.8 75561 5	0.7763 63531	5.9787 40123	7.6429 58276
TRCN 000009 1110	NM_133752 .1-606slcl	741 43	Opal	0.339 36388 4	1.272 24272 3	1.465 91661 8	0.356 81112 2	1.701 81986 1	0.629 18798 1	0.608 15760 5	0.7670 78334	0.6684 36982	0.7174 82846
TRCN 000018 3873	NM_013625 .1-1734slcl	184 72	Pafah1b 1	0.410 87272 2	1.271 40265 6	0.465 19117 6	0.049 17685 4	1.700 69614 2	0.199 66531 1	0.083 81823 3	0.7661 25402	2.3243 4439	3.5765 92078
TRCN 000010 4075	NM_144958 .2-1595slcl	136 81	Eif4a1	0.137 88104 7	1.267 09663 3	0.139 89844 3	8.848 89358 4	1.694 93617 4	0.060 04599 3	15.08 22706 7	0.7612 30947	4.0577 88219	3.9147 81741
TRCN 000019 7646	NM_026931 .1-162slcl	690 68	1O10Ri k	0.109 06451 4	1.266 65349 3	2.013 09330 3	0.410 05960 5	1.694 34340 3	0.864 04239 9	0.698 91562 1	0.7607 26305	0.2108 25987	0.5168 09804
TRCN 000008 8932	NM_019952 .1-295slcl	567 08	Clcf1	0.531 37417 1	1.266 37709 3	0.919 96021 7	1.673 05184 2	1.693 97367 9	0.394 85732 3	2.851 59048 3	0.7604 11459	1.3405 96648	1.5117 66811
TRCN 000002 8975	NM_010939 .1-2356slcl	181 87	Nrp2	0.775 74907 2	1.266 26853 8	1.210 92012 5	0.709 5989 5	1.693 82847 1	0.519 74060 4	1.209 45772 2	0.7602 87784	0.9441 36323	0.2743 6034
TRCN 000009 1536	NM_009933 .1-3125slcl	128 33	Col6a1	0.359 94613 3	1.265 38207 4	0.961 86630 3	0.211 72503 1	1.692 64268 9	0.412 84388 9	0.360 86932 2	0.7592 77457	1.2763 31744	1.4704 51593
TRCN 000011 1976	NM_133218 .1-1985slcl	170 753	Zfp704	0.069 32100 5	1.265 19670 5	3.064 57416 9	0.076 37631 6	1.692 39473 1	1.315 34987 2	0.130 17766 2	0.7590 66098	0.3954 46595	2.9414 4619

TRCN 000011 4591	NM_019425 .1-1257slc1	543 42	Gnpnat 1	0.787 52378	1.265 07591 8	0.169 83866 4	13.96 97064 9	1.692 23315 9	0.072 89667 4	23.81 03094 5	0.7589 28359	- 3.7780 03198	4.5735 14466
TRCN 000009 1857	XM_484897 .2-303slc1	128 35	Col6a3	0.401 31003 2	1.263 97763	0.595 80948 3	1.723 42817	1.690 76402 9	0.255 72816 4	2.937 45312 9	0.7576 75325	1.9673 17036	1.5545 65832
TRCN 000010 0245	NM_028680 .2-2090slc1	739 16	Ift57	0.105 84016 1	1.263 82486 5	0.016 87917 2		1.690 55968 3	0.007 24473 1	1.704 42446 1	0.7575 00949	7.1088 52082	0.7692 84661
TRCN 000011 0372	NM_016888 .4-633slc1	536 25	B3gnt2	0.920 56805 7	1.263 19722 5	1.316 67226 3	0.441 98062 2	1.689 72011 9	0.565 13061 7	0.753 32258 4	0.7567 84302	0.8233 43742	0.4086 60315
TRCN 000009 1109	NM_133752 .1-1432slc1	741 43	Opal	0.471 98194 5	1.263 03787 8	0.754 55396 6	0.593 99243 9	1.689 50696 7	0.323 86309 1	1.012 41524 2	0.7566 023	1.6265 44036	0.0178 01133
TRCN 000004 1496	NM_010274 .2-2236slc1	145 71	Gpd2	0.053 69259 2	1.262 01175 6	0.128 28399 4	4.018 80522 5	1.688 13437 2	0.055 06094	6.849 74992 8	0.7554 29744	4.1828 26946	2.7760 51319
TRCN 000012 0045	NM_024433 .1-819slc1	669 02	Mtap	1.147 03676 6	1.261 92875 7	0.195 80851 4	1.438 35719 7	1.688 02334 7	0.084 04322 7	2.451 57119	0.7553 34858	3.5727 24626	1.2937 06656
TRCN 000019 5944	NM_013655 .2-132slc1	203 15	Cxcl12	0.262 76652	1.256 10651 8	2.560 24030 8	0.195 50356 1	1.680 23521	1.098 88407 8	0.333 22105 2	0.7486 63205	0.1360 39203	1.5854 48547
TRCN 000007 6246	NM_138651 .2-692slc1	110 911	Cds2	0.318 55223 4	1.254 68018 6	1.906 89609	0.895 54191 2	1.678 32727 2	0.818 46135 5	1.526 38354	0.7470 24067	0.2890 13796	0.6101 17519
TRCN 000011 1627	NM_177333 .2-140slc1	211 446	Exoc3	1.138 53789 9	1.254 46897 6	0.594 05194 2	0.556 68661 6	1.678 04474 5	0.254 97380 8	0.948 83028 5	0.7467 81186	1.9715 7904	0.0757 78037
TRCN 000001 2370	NM_009736 .1-703slc1	120 17	Bag1	1.029 11836 1	1.254 08902 5	0.318 28878 8	1.431 34782 1	1.677 53650 3	0.136 61314 5	2.439 62423 9	0.7463 4416	2.8718 31786	1.2866 58955
TRCN 000009 5246	NM_008328 .1-1039slc1	159 50	Iifi203	0.709 94364 5	1.253 33624 2	0.405 00571 1	0.777 84141 1	1.676 52954 1	0.173 83302 9	1.325 77192 7	0.7454 77904	2.5242 2587	0.4068 3261
TRCN 000018 1236	NM_199467 .1-3367slc1	212 377	F73004 7E07Ri k	1.155 64418 4	1.252 84626 9	1.748 37461 8	0.301 76579 5	1.675 87412 7	0.750 42214 7	0.514 33700 3	0.7449 13794	0.4142 25688	0.9592 14147
TRCN 000006 7967	NM_053153 .1-316slc1	939 70	Klra18	1.177 76574	1.252 19487 1	0.528 75323 4	1.100 83971 8	1.675 00278 1	0.226 94686 4	1.876 29814 3	0.7441 63491	2.1395 73541	0.9078 8909
TRCN 000019 8652	NM_199467 .1-1553slc1	212 377	F73004 7E07Ri k	0.887 23196 1	1.251 86535 7	0.516 24591 1	0.578 68183 7	1.674 56200 6	0.221 57858 9	0.986 31947 9	0.7437 83797	2.1741 09674	0.0198 73069
TRCN 000009 0747	NM_153103 .1-1522slc1	165 62	Kif1c	0.187 48427 5	1.251 85046	0.826 28219	0.050 31647 4	1.674 54207 9	0.354 64965 5	0.085 76062 9	0.7437 66629	1.4955 33551	3.5435 40698
TRCN 000004 2639	NM_011808 .1-1266slc1	238 71	Ets1	0.750 50104 1	1.251 43307 4	0.909 20849 5	0.692 43208 8	1.673 98376 1	0.390 24256 2	1.180 19818 9	0.7432 85533	1.3575 56959	0.2390 29149
TRCN 000018 0836	NM_175360 .2-308slc1	108 689	Obfc1	0.633 27816 6	1.250 98862 3	0.030 88749 6	75.76 70219 1	1.673 38924	0.013 25726 2	129.1 39165 5	0.7427 73063	6.2370 73287	7.0127 82799
TRCN 000010 6373	NM_009396 .1-1659slc1	219 28	Tnfaip2	0.528 85298 7	1.248 88098 8	0.011 97415 5	57.14 97771 8	1.670 56995 5	0.005 13944 3	97.40 74781 4	0.7403 40397	7.6041 7238	6.6059 6063
TRCN 000011 1506	NM_033075 .2-743slc1	110 956	D17H6 S56E-5	1.084 86426 7	1.247 70392 7	0.716 75496 2	0.065 01451 8	1.668 99545 5	0.307 63933 1	0.110 81233 4	0.7389 80026	1.7006 88135	3.1738 09625
TRCN 000011 0544	NM_009497 .2-173slc1	223 18	Vamp2	1.397 87779 9	1.246 33364 7	0.186 06455 3	2.019 71323 7	1.667 16249 5	0.079 86100 9	3.442 44864 5	0.7373 94728	3.6463 64883	1.7834 35132
TRCN 000002 8780	XM_181344 .3-1066slc1	208 77	Aurkb	1.161 13297 8	1.245 86952 6	0.149 76414	4.272 43921 2	1.666 54166 2	0.064 28046 2	7.282 0499	0.7368 57384	3.9594 75896	2.8643 44627
TRCN 000002 3995	NM_010019 .2-661slc1	131 43	Dapk2	0.435 12200 9	1.245 58277 2	1.182 89706	0.724 85785 3	1.666 15808 5	0.507 71278 8	1.235 46545 5	0.7365 2529	0.9779 15497	0.3050 54671

TRCN 000007 9553	NM_026228 .2-3047slcl	675 47	Slc39a8	0.136 20987 4	1.244 79420 1	1.933 76503 8	1.683 28579 9	1.665 10325 1	0.829 99381 1	2.869 03349 1	0.7356 11639	0.2688 27516	1.5205 64809
TRCN 000009 0653	NM_053252 .1-5549slcl	114 601	G43000 2G23Ri k	0.319 37236 9	1.244 63449 4	2.321 83569 2	0.069 49405 8	1.664 88961 8	0.996 55812 2	0.118 44737 3	0.7354 2653	0.0049 74146	3.0776 81895
TRCN 000017 3725	NM_025558 .2-370slcl	664 27	Cyb5b	0.077 76896 7	1.243 68255 8	0.085 62978 9	11.26 39377 6	1.663 61625 7	0.036 75327 3	19.19 85310 5	0.7343 22688	4.7659 8344	4.2629 24024
TRCN 000009 5426	NM_001025 305.1- 1137slcl	214 19	Tcfap2b	0.300 49243 3	1.242 40696 8	0.426 49179 3	0.154 48929 1	1.661 90995 9	0.183 05509 8	0.263 31532 6	0.7328 4222	2.4496 50143	1.9251 366
TRCN 000009 9253	NM_172844 .1-516slcl	240 894	483142 8F09Ri k	0.263 58839 6	1.241 37235 1	1.684 34726 7	0.360 60199 2	1.660 526	0.722 94088 4	0.614 61885 6	0.7316 40312	0.4680 50413	0.7022 36067
TRCN 000010 2323	NM_011317 .2-1198slcl	202 18	Khdrbs 1	0.381 70603 9	1.240 97983 4	0.351 36946	0.674 47818 3	1.660 00094 9	0.150 81174 4	1.149 59711 4	0.7311 84066	2.7291 79319	0.2011 28345
TRCN 000009 2350	NM_173869 .2-225slcl	268 885	Stfa2l1	2.235 53781 8	1.240 10374 3	0.006 21700 7	1.603 76104 5	1.658 82904 3	0.002 66841	2.733 48955 4	0.7301 65212	8.5498 04102	1.4507 43862
TRCN 000010 5835	NM_198894 .1-4294slcl	109 934	Abr	0.714 09358 4	1.239 63618 4	0.091 33953 9	4.545 55132 3	1.658 20361 1	0.039 20396 2	7.747 54886 2	0.7296 21166	4.6728 56716	2.9537 39949
TRCN 000001 1919	NM_009255 .2-637slcl	207 20	Serpine 2	0.179 53057 9	1.238 85287 2	0.005 04895 1	61.97 98655 4	1.657 15581 1	0.002 16706 7	105.6 39998 9	0.7287 09255	8.8500 40594	6.7230 12381
TRCN 000011 3395	NM_013853 .1-2329slcl	274 07	Abcf2	0.920 70941 5	1.238 73595 3	0.738 47984 3	0.485 57718 5	1.656 99941 4	0.316 96389 5	0.827 62963 1	0.7285 73093	1.6576 0958	0.2729 42797
TRCN 000009 0587	NM_053185 .1-2967slcl	942 16	Col4a6	0.463 52958 3	1.236 40177 4	0.070 19861 8	19.66 82927 8	1.653 87709 1	0.030 13004	33.52 31193 1	0.7258 52023	5.0526 53597	5.0670 84492
TRCN 000012 4979	NM_009998 .4-1533slcl	130 88	Cyp2b1 0	0.622 95214 6	1.235 48563	0.226 90580 2	0.661 50763 8	1.652 65160 8	0.097 39053 5	1.127 48979 8	0.7247 82625	3.3600 74619	0.1731 1438
TRCN 000018 1568	NM_173379 .1-907slcl	210 530	Leprel1	0.181 65948 7	1.234 15713 2	0.667 93699 8	0.403 71742 4	1.650 87453 8	0.286 68610 9	0.688 10585 2	0.7232 30483	1.8024 56092	0.5392 97581
TRCN 000008 7891	NM_133718 .2-1040slcl	699 81	Tmem3 0a	0.433 91062 6	1.233 67706 4	1.113 46299 6	0.940 90120 2	1.650 23237 3	0.477 91090 3	1.603 69502 4	0.7226 69188	1.0651 86414	0.6813 9981
TRCN 000008 6392	NM_009261 .1-1041slcl	207 44	Strbp	0.349 32271 7	1.232 40730 6	0.913 51924 9	0.152 52587 8	1.648 53387 8	0.392 09278 7	0.259 96883 7	0.7211 83535	1.3507 32993	1.9435 89401
TRCN 000005 4500	NM_011231 .1-545slcl	193 52	Rabggt b	0.541 82560 8	1.231 61886 2	0.187 99257	2.867 69445 1	1.647 47921 2	0.080 68853 6	4.887 76856 9	0.7202 60261	3.6314 92481	2.2891 75976
TRCN 000011 0716	NM_009674 .1-1237slcl	117 50	Anxa7	0.206 16861 8	1.230 20409 7	0.509 47503 4	0.858 10242 4	1.645 58674 7	0.218 67244 1	1.462 57076 1	0.7186 0208	2.1931 56683	0.5485 06425
TRCN 000012 6899	NM_030018 .2-745slcl	779 75	Tmem5 0b	0.463 36359 2	1.230 08159 9	0.107 48781 5	22.44 02097 6	1.645 42288 8	0.046 13498 5	38.24 76424 1	0.7184 58417	4.4379 95005	5.2572 98918
TRCN 000006 7938	NM_011198 .2-201slcl	192 25	Ptgs2	0.272 81773 9	1.230 05849 6	0.862 60828 3	1.268 83136 3	1.645 39198 3	0.370 24122 5	2.162 62721 1	0.7184 31319	1.4334 62552	1.1127 84998
TRCN 000009 6835	NM_019711 .1-618slcl	565 16	Rbms2	6.083 09706 2	1.229 12388 2	0.985 17027 5	0.321 95605 8	1.644 14179 3	0.422 84621 7	0.548 74978	0.7173 34725	1.2417 95023	0.8657 79638
TRCN 000005 4573	NM_011349 .2-1166slcl	203 50	Sema3f	0.122 50527 2	1.228 39946 2	0.039 87471 7	88.42 57196 4	1.643 17277 1	0.017 11467 9	150.7 14959 5	0.7164 8418	5.8686 21943	7.2356 78811
TRCN 000003 1638	NM_133969 .1-479slcl	102 294	Cyp4v3	0.540 63836 2	1.225 52053 4	0.188 22821 7	2.471 00077 3	1.639 32176 2	0.080 78967 8	4.211 63416 1	0.7130 99051	3.6296 85205	2.0743 80124
TRCN 000001 2688	NM_007614 .2-3056slcl	123 87	Ctnnb1	0.114 23332 5	1.223 61217 4	0.098 25856 5	211.0 47419 4	1.636 76903 9	0.042 17368 7	359.7 14384	0.7108 5076	4.5675 13047	8.4907 0804

TRCN 000012 4815	NM_053182 .2-1556slc1	942 12	Pagl	0.550 19225 3	1.222 45322 5	0.863 70780 3	0.194 58043 4	1.635 21876 7	0.370 71315 1	0.331 64765 2	0.7094 83659	- 1.4316 24799	- 1.5922 76784
TRCN 000000 9541	NM_019794 .1-896slc1	564 45	Dnaja2	0.233 86838 7	1.220 48035 1	0.733 48588 6	0.328 19933 8	1.632 57974 5	0.314 82043 3	0.559 39098	0.7071 53463	- 1.6673 98916	- 0.8380 71103
TRCN 000009 1152	NM_145588 .1-257slc1	110 033	Kif22	0.276 63555 5	1.219 72436 9	1.069 94416 9	1.349 36030 4	1.631 56849 1	0.459 23213 9	2.299 88270 9	0.7062 59551	- 1.1227 04511	- 1.2015 60287
TRCN 000011 3372	NM_172751 .1-2470slc1	234 094	Arhgef1 0	0.821 96140 2	1.219 20584 4	0.030 17569 3	12.81 60569 8	1.630 87489 6	0.012 95174 9	21.84 4001	0.7056 46118	- 6.2707 09293	- 4.4491 65223
TRCN 000011 0727	NM_013470 .1-819slc1	117 45	Anxa3	0.346 25733 7	1.218 55438 6	0.058 03761 9	0.640 84977 5	1.630 00347 1	0.024 91040 2	1.092 28003 3	0.7048 75037	- 5.3271 07892	- 0.1273 42774
TRCN 000007 7168	NM_009672 .2-1287slc1	117 37	Anp32a	0.488 23150 2	1.218 34191 8	0.374 84755 1	0.560 35151 2	1.629 71926 3	0.160 88880 6	0.955 07682 4	0.7046 23466	- 2.6358 64144	- 0.0663 1131
TRCN 000012 6382	NM_009149 .1-2889slc1	203 40	Glg1	0.225 19576 2	1.217 96559 7	0.850 34581 8	0.918 69573 5	1.629 21587 6	0.364 97803 6	1.565 84748 2	0.7041 77778	- 1.4541 18448	- 0.6469 43697
TRCN 000017 4307	NM_198161 .1-1766slc1	702 37	Bhlhb9	0.911 01218 1	1.216 98566 5	0.524 30790 5	0.405 46882 2	1.627 90505 9	0.225 03887 9	0.691 09097 9	0.7030 16563	- 2.1517 53825	- 0.5330 52447
TRCN 000012 0419	NM_177420 .1-474slc1	107 272	Psat1	0.170 67222 9	1.216 58047 3	0.592 78948 4	2.279 44664 9	1.627 36305 9	0.254 43194 7	3.885 14461	0.7025 36147	- 1.9746 48268	- 1.9579 68299
TRCN 000002 7651	NM_010353 .1-2197slc1	148 41	Gsg2	0.585 20250 7	1.214 80677 2	4.521 85750 4	0.043 54655 7	1.624 99046 3	1.940 83235 7	0.074 22181 7	0.7004 31251	- 0.9566 75503	- 3.7520 12873
TRCN 000007 9367	NM_007513 .1-1956slc1	119 87	Slc7a1	0.021 29591 9	1.213 80732 9	0.607 10469 4	1.603 76104 5	1.623 65355 4	0.260 57619 7	2.733 48955 4	0.6992 43831	- 1.9402 22793	- 1.4507 43862
TRCN 000002 3590	NM_008587 .1-1672slc1	172 89	Mertk	0.838 16842 2	1.213 09736 1	0.487 61601 2	0.724 29891 6	1.622 70386 3	0.209 29030 4	1.234 51278 9	0.6983 99738	- 2.2564 2262	- 0.3039 41782
TRCN 000011 2054	NM_019796 .2-1141slc1	564 03	Syncrip	0.963 54071 7	1.212 87186 6	0.468 14183 7	0.566 45539 1	1.622 40222 8	0.200 93176 8	0.965 48042 4	0.6981 31539	- 2.3152 22421	- 0.0506 81087
TRCN 000005 4857	NM_010849 .2-1675slc1	178 69	Myc	0.083 29781 4	1.212 24120 3	0.812 78142 3	2.493 32445 7	1.621 55862 3	0.348 85497 3	4.249 68319 3	0.6973 81178	- 1.5193 00694	- 2.0873 55295
TRCN 000012 5580	NM_011574 .1-838slc1	217 71	Cirh1a	0.636 25637 3	1.207 85381 2	0.292 59375 9	2.105 08212 1	1.615 68981 1	0.125 58454 8	3.587 95345 9	0.6921 50248	- 2.9932 69127	- 1.8431 61177
TRCN 000019 3959	NM_145975 .2-1191slc1	212 880	Ddx46	0.334 61485 8	1.207 37575 6	0.914 15874 9	0.732 59543 7	1.615 05033 7	0.392 36726 7	1.248 65358 2	0.6915 79131	- 1.3497 23402	- 0.3203 73281
TRCN 000008 1508	NM_021431 .1-846slc1	582 42	Nudt11	0.387 82674 9	1.206 08490 8	1.641 85893 6	0.896 21519 2	1.613 32363 1	0.704 70441 3	1.527 53109 5	0.6900 35871	- 0.5049 09847	- 0.6112 01748
TRCN 000012 0813	NM_028109 .2-1598slc1	721 19	Tpx2	0.899 50977 6	1.203 11192 2	1.736 74740 3	1.328 27075 9	1.609 34680 6	0.745 43161 5	2.263 93717 3	0.6864 75253	- 0.4238 52087	- 1.1788 33922
TRCN 000011 4350	NM_146094 .1-534slc1	762 67	Fads1	0.446 25224 1	1.199 79907 9	1.615 73190 9	1.314 63241 7	1.604 91535 9	0.693 49039 7	2.240 69164 9	0.6824 97213	- 0.5280 52189	- 1.1639 44127
TRCN 000011 0769	NM_031176 .1-7236slc1	818 77	Tnxb	0.247 07142 1	1.199 57481 2	1.427 56558 1	0.069 88032 4	1.604 61537 8	0.612 72728 3	0.119 10573 3	0.6822 27529	- 0.7066 83004	- 3.0696 85239
TRCN 000012 4469	NM_020010 .2-2297slc1	131 21	Cyp51	0.959 86700 7	1.199 43964 2	0.562 46274 2	1.033 60691 5	1.604 43456 5	0.241 41536 6	1.761 70489 9	0.6820 64953	- 2.0504 10588	- 0.8169 72281
TRCN 000007 5696	NM_027350 .1-449slc1	702 23	Nars	0.697 20182 8	1.196 06641 9	0.303 36848 2	0.792 27062 5	1.599 92236 5	0.130 20918 7	1.350 36542 7	0.6780 01901	- 2.9410 96926	- 0.4333 49873
TRCN 000011 9854	NM_007808 .2-144slc1	130 63	Cycs	0.170 82638 4	1.193 32173 2	0.032 00388 3	17.08 39973 4	1.596 25092 7	0.013 73642 4	29.11 83829 4	0.6746 87455	- 6.1858 49374	- 4.8638 58334

TRCN 000001 1920	NM_009255 .2-393slcl	207 20	Serpine 2	0.567 86979 5	1.192 34660 3	1.681 38421 4	0.301 57569 8	1.594 94654	0.721 66910 9	0.514 01299 7	0.6735 08068	- 0.4705 90593	- 0.9601 23257
TRCN 000008 6390	NM_009261 .1-480slcl	207 44	Strbp	0.449 58895 3	1.192 09584 4	0.004 18183 3	128.1 15670 9	1.594 61111 1	0.001 79489 2	218.3 63483 2	0.6732 04627	- 9.1218 88832	- 7.7705 87805
TRCN 000010 3433	NM_010357 .1-614slcl	148 60	Gsta4	0.276 45506 8	1.191 94214 5	0.585 19650 5	0.142 10970 9	1.594 40551 5	0.251 17295 4	0.242 21526 4	0.6730 18605	- 1.9932 46968	- 2.0456 38313
TRCN 000017 8649	NM_173379 .1-1207slcl	210 530	Leprel1	0.264 38844 7	1.188 92641 2	0.253 24483 3	3.063 89824	1.590 37150 9	0.108 69554 5	5.222 18310 5	0.6693 63817	- 3.2016 35288	- 2.3846 53044
TRCN 000003 7346	NM_178779 .2-809slcl	320 311	Rnf152	0.077 18322	1.188 85607 9	0.079 05811 8	1.590 27742 1	0.033 93263 8	1.704 42446 1	0.6692 7847	- 4.8811 8261	- 0.7692 84661	
TRCN 000006 9712	NM_030601 .2-160slcl	807 97	Clca2	0.327 10657 4	1.188 07382 6	0.334 16633 4	2.702 64581 3	1.589 23104 5	0.143 42796 7	4.606 45563 3	0.6683 28881	- 2.8016 01729	- 2.2036 57118
TRCN 000012 3578	NM_024183 .3-1218slcl	668 99	Fip111	0.214 26537 7	1.187 62634 8	0.638 46487 7	0.008 79925	1.588 63247 5	0.274 03634 2	0.014 99765 7	0.6677 854	- 1.8675 60865	- 6.0591 19056
TRCN 000012 6202	NM_025661 .1-294slcl	666 12	Ormdl3	0.500 43840 6	1.186 5219	3.428 85163 6	0.458 85191 3	1.587 15510 6	1.471 70187 7	0.782 07842 4	0.6664 43124	- 0.5574 85454	- 0.3546 14811
TRCN 000003 2861	NM_145919 .1-977slcl	686 44	Abhd14 a	0.027 82987 3	1.185 54385	8.264 98617 9	0.163 54324 3	1.585 84681 4	3.547 42548 4	0.278 74710 3	0.6652 53419	- 1.8267 7238	- 1.8429 71283
TRCN 000006 6702	NM_010197 .2-239slcl	141 64	Fgf1	1.544 20568 6	1.184 77776 7	0.959 40105 3	0.494 83980 3	1.584 82206 1	0.411 78577 6	0.843 41706 4	0.6643 20868	- 1.2800 34099	- 0.2456 81884
TRCN 000011 2354	NM_028876 .1-255slcl	731 30	Tmed5	0.583 34698 2	1.184 28815 5	0.016 94222 6	20.41 36251 9	1.584 16712 9	0.007 27179 5	34.79 34821 1	0.6637 24547	- 7.1034 72804	- 5.1207 45165
TRCN 000004 1779	NM_021557 .2-1199slcl	172 52	Rdh11	0.420 36790 1	1.183 87852 7	0.331 96009 6	1.324 48641 6	1.583 61918 8	0.142 48102 5	2.257 48704 5	0.6632 25453	- 2.8111 58293	- 1.1747 17708
TRCN 000003 0647	NM_009982 .2-324slcl	130 32	Ctsc	0.410 05221 9	1.183 76097 2	0.845 21164 1	0.845 12240 1	1.583 46194 1	0.362 77438 9	1.440 44729 3	0.6630 82192	- 1.4628 55486	- 0.5265 16872
TRCN 000019 0159	NM_001033 312.1- 175slcl	231 863	Fbxl18	0.212 97705 9	1.182 36302 3	0.219 32744 3	1.581 59197 1	0.094 13781 7	1.704 42446 1	0.6613 77451	- 3.4090 81786	- 0.7692 84661	
TRCN 000008 1911	NM_009530 .1-1713slcl	225 89	Atrx	0.639 36917 4	1.182 28841 7	0.384 14381 9	1.504 44920 5	1.581 49217 3	0.164 87886 9	2.564 22002 5	0.6612 86416	- 2.6005 2158	- 1.3585 20059
TRCN 000007 9793	NM_026532 .2-550slcl	680 51	Nutf2	0.213 94805 5	1.180 12632 1	0.714 11765 1	0.752 06862 8	1.578 60003 8	0.306 50736 7	1.281 84415 2	0.6586 45689	- 1.7060 06344	- 0.3582 20868
TRCN 000009 1377	XM_127565 .6-1965slcl	286 940	Flnb	0.315 17312 2	1.178 07657 2	1.364 78580 3	0.978 17870 4	1.575 85818 3	0.585 78149 2	1.667 23171 1	0.6561 37708	- 0.7715 65482	- 0.7374 54623
TRCN 000007 2076	NM_009391 .2-489slcl	193 84	Ran	1.148 20415 7	1.177 69053 1	0.395 04469	0.377 95407 7	1.575 34179 4	0.169 55764 6	0.644 19417 3	0.6556 64877	- 2.5601 52252	- 0.6344 32484
TRCN 000002 8974	NM_010939 .1-756slcl	181 87	Nrp2	0.796 15692 7	1.176 62316 1	0.482 23817 7	0.917 74414 3	1.573 91402 3	0.206 98207 6	1.564 22556 2	0.6543 56734	- 2.2724 22254	- 0.6454 48563
TRCN 000007 7379	NM_022886 .1-1859slcl	649 29	Scel	0.280 83857 2	1.175 80778 6	0.709 40799	1.097 08801 4	1.572 82333 5	0.304 48592 8	1.869 90364 7	0.6533 56631	- 1.7155 52542	- 0.9029 63932
TRCN 000008 7834	NM_134011 .1-1982slcl	213 79	Tbpg4	0.118 25700 8	1.175 10119 6	2.076 84950 6	0.868 63245	1.571 87816 2	0.891 40728 2	1.480 51839 6	0.6524 89397	- 0.1658 43348	- 0.5661 02416
TRCN 000006 8398	NM_008433 .2-391slcl	165 34	Kcnn4	0.843 28687 7	1.174 43405 2	0.980 92507 6	0.007 03097	1.570 98575 4	0.421 02413	0.011 98375 8	0.6516 70098	- 1.2480 25176	- 6.3827 75846
TRCN 000004 2346	NM_013711 .1-403slcl	264 62	Txnrd2	0.381 01624 8	1.174 00250 8	0.858 31575 8	0.712 87325 6	1.570 40849 8	0.368 39882 5	1.215 03861 6	0.6511 39885	- 1.4406 59636	- 0.2810 02165

TRCN 000007 7249	NM_011130 .1-457slcl	189 70	Polb	0.313 03075 6	1.173 92797 2	0.316 33573	1.174 52584 8	1.570 30879 5	0.135 77487 1	2.001 89058 5	0.6510 48287	- 2.8807 11605	- 1.0013 63125
TRCN 000008 0415	NM_011454 .1-603slcl	207 08	Serpnb 6b	0.360 25563 1	1.172 88821 4	0.895 20493 8	0.402 38453 1	1.568 91795 9	0.384 23207 8	0.685 83403 7	0.6497 69914	- 1.3799 50127	- 0.5440 68591
TRCN 000010 0832	NM_024436 .1-593slcl	193 34	Rab22a	0.079 09521 7	1.172 33163 4	0.306 27231 1	3.415 04418	1.568 17344 7	0.131 45553 8	5.820 68483 4	0.6490 85137	- 2.9273 53177	2.5411 88904
TRCN 000011 5262	NM_023418 .1-582slcl	186 48	Pgam1	0.175 32592 3	1.172 00189 1	0.263 58446 9	1.252 21776 8	1.567 73236 6	0.113 13343 3	2.134 31059 4	0.6486 79292	- 3.1439 02755	1.0937 70138
TRCN 000002 4887	NM_021463 .2-912slcl	191 39	Prps1	0.744 86498 4	1.171 79522 9	0.995 66656 5	1.071 91246 3	1.567 45592 3	0.427 35134 3	1.826 99382 2	0.6484 24875	- 1.2265 05438	0.8694 71755
TRCN 000004 2139	NM_008898 .1-279slcl	189 84	Por	1.385 95217 6	1.170 17888 3	0.577 81538 1	1.499 33963	1.565 29381 2	0.248 00489 2	2.555 51114	0.6464 33482	- 2.0115 59514	1.3536 11881
TRCN 000006 8827	NM_010291 .2-825slcl	146 22	Gjb5	0.820 46141 1	1.169 27782 8	0.389 43864 6	6.405 02803 2	1.564 08851 3	0.167 15146 9	10.91 68864 5	0.6453 22159	- 2.5807 72064	3.4484 89546
TRCN 000017 7813	NM_178901 .2-968slcl	101 602	AI4676 06	0.393 11258 3	1.168 07930 8	0.806 33080 4	0.612 78331 6	1.562 48530 9	0.346 08629 5	1.044 44287 3	0.6438 42625	- 1.5307 96284	0.0627 33585
TRCN 000017 4832	NM_009009 .2-1068slcl	193 57	Rad21	0.435 23124 3	1.167 97425 8	1.159 71912 1	0.459 76050 5	1.562 34478 8	0.497 76455 5	0.783 62705 1	0.6437 12872	- 1.0064 64593	- 0.3517 60894
TRCN 000007 7221	NM_019743 .2-743slcl	563 53	Rybp	0.163 50264 9	1.167 78412 6	0.024 40855 1	36.15 18281 2	1.562 09045 8	0.010 47642 6	61.61 80601 5	0.6434 78	- 6.5767 09547	5.9452 81359
TRCN 000010 4079	NM_144958 .2-1129slcl	136 81	Eif4a1	0.129 61820 2	1.166 57257 7	1.109 28396 7	0.050 57058 4	1.560 46982 6	0.476 11721 7	0.086 19374 1	0.6419 8046	- 1.0706 11297	- 3.5362 73086
TRCN 000012 0534	NM_026102 .1-1513slcl	208 846	Daam1	0.821 42587 9	1.165 82392 6	0.461 03198 5	2.940 80202 7	1.559 46839	0.197 88013 9	5.012 37490 9	0.6410 5431	- 2.3373 01279	2.3254 94328
TRCN 000010 4788	NM_019686 .3-539slcl	565 06	Cib2	0.551 21911 4	1.162 46573 5	0.699 29071	0.157 8481	1.554 97629 4	0.300 14347 6	0.269 04016 3	0.6368 92586	- 1.7362 75783	- 1.8941 06536
TRCN 000003 4431	NM_008142 .2-1088slcl	146 88	Gnb1	0.153 95413 5	1.161 78028	0.254 53291 7	3.042 76035 8	1.554 05939 3	0.109 24840 5	5.186 15518 2	0.6360 41642	- 3.1943 15878	2.3746 65376
TRCN 000012 6199	NM_025661 .1-895slcl	666 12	Ormdl3	1.159 19070 4	1.161 71876	0.029 8836	1.004 44274 4	1.553 9771	0.012 82637 9	1.711 99678 2	0.6359 65244	- 6.2847 42273	0.7756 7999
TRCN 000006 9156	XM_134169 .4-209slcl	117 39	Slc25a4	0.370 93267 5	1.159 68321 5	0.443 31603	0.938 37518 3	1.551 25424 6	0.436 21432 7	1.031 81627	0.6334 35159	- 1.1968 9094	0.0451 86101
TRCN 000008 1912	NM_009530 .1-1379slcl	225 89	Atrx	0.370 99794 4	1.159 57640	0.443 84597 8	0.938 79317 7	1.551 11136 7	0.190 50371	1.600 10205 4	0.6333 02273	- 2.3921 08998	0.6781 63923
TRCN 000010 4328	NM_026517 .1-141slcl	680 28	Rpl22l1	2.739 34087 4	1.157 81723 9	0.968 26142 1	0.551 33920 5	1.548 75821 7	0.415 58874 6	0.939 71602 8	0.6311 11937	- 1.2667 71508	- 0.0897 0324
TRCN 000017 7489	NM_175451 .1-2714slcl	216 197	Ckap4	0.693 77269 5	1.156 95973 9	0.783 73431 3	0.613 27716 9	1.547 61117 9	0.336 38762 5	1.045 28460 8	0.6300 43055	- 1.5718 0346	0.0638 95809
TRCN 000010 0206	NM_007487 .2-543slcl	118 61	Arl4a	0.681 43040 5	1.156 62700 5	1.203 10447 2	0.933 31483 2	1.547 16609 7	0.516 38603 8	1.590 76463	0.6296 28087	- 0.9534 78102	0.6697 2039
TRCN 000017 4312	NM_010700 .1-2457slcl	168 35	Ldlr	0.132 97313 3	1.155 43919 7	0.020 31958 8		1.545 57722 1	0.008 72139 7	1.704 42446 1	0.6281 45736	- 6.8412 25049	0.7692 84661
TRCN 000008 4451	NM_178661 .2-850slcl	208 647	Creb3l2	0.259 50670 7	1.155 36706 5	0.678 86731	0.314 93372 6	1.545 48073 3	0.291 37752 3	0.536 78074 7	0.6280 55669	- 1.7790 38505	0.8975 95169
TRCN 000008 9198	XM_204001 .4-1380slcl	136 38	Efna3	0.348 77009 7	1.153 19487 3	0.198 89083 9	1.319 00298 7	1.542 57509 3	0.085 36619 6	2.248 14095 4	0.6253 40722	- 3.5501 91295	1.1687 32493

TRCN 000005 5103	NM_010828 .1-738slcl	176 84	Cited2	0.298 51119	1.152 56027 9	0.154 79672 8	0.614 23619 3	1.541 72622 7	0.066 44050 5	1.046 91919 2	0.6245 466	- 3.9117 93142	- 0.0661 5009
TRCN 000001 1918	NM_009255 .2-175slcl	207 20	Serpine 2	0.286 00089 3	1.152 30643 7	1.462 01606 7	0.315 89973 6	1.541 38667 4	0.627 51382 1	0.538 42723 7	0.6242 28823	- 0.6722 80861	- 0.8931 76702
TRCN 000020 0651	NM_026023 .3-129slcl	526 53	Nudcd2	1.923 58143	1.150 41544 3	0.666 69968 1	0.585 05326 4	1.538 85717 9	0.286 15503 9	0.997 17909 4	0.6218 59342	- 1.8051 31084	- 0.0040 75459
TRCN 000003 7304	NM_030706 .1-3074slcl	808 90	Trim2	0.300 07744 4	1.150 39133 7	1.002 07337 6	0.390 25285 9	1.538 82493 4	0.430 10121 9	0.665 15651 9	0.6218 29111	- 1.2172 51874	- 0.5882 34231
TRCN 000005 5104	NM_010828 .1-571slcl	176 84	Cited2	0.032 76193 8	1.149 76349 8	0.791 79663 7	20.76 06965 3	1.537 98510 3	0.339 84806 6	35.38 50389 9	0.6210 41529	- 1.5570 38183	- 5.1450 67604
TRCN 000008 7925	NM_172301 .2-827slcl	268 697	Ccnb1	0.379 99256 8	1.147 96701 3	1.166 41503 9	0.781 64874 8	1.535 58202 8	0.500 63851 8	1.332 26124 6	0.6187 85581	- 0.9981 58801	- 0.4138 77012
TRCN 000008 0414	NM_011454 .1-963slcl	207 08	Serpib 6b	0.340 13066 7	1.147 14345 7	0.972 14939 2	2.253 58393 2	1.534 48039 6	0.417 25750 7	3.841 06357 8	0.6177 50214	- 1.2609 9009	- 1.9415 05844
TRCN 000006 6523	XM_133956 .3-124slcl	213 002	Ifitm6	0.692 34239 1	1.145 55457 5	0.324 88366 9	6.354 26178 5	1.532 35502 2	0.139 44374 3	10.83 03592 2	0.6157 50586	- 2.8422 44897	- 3.4370 09189
TRCN 000009 0744	NM_153103 .1-655slcl	165 62	Kif1c	0.459 75387 2	1.144 70359 2	1.243 42693 9	0.408 51419 4	1.531 21670 2	0.533 69289 6	0.696 28158 4	0.6146 78472	- 0.9059 18286	- 0.5222 57228
TRCN 000001 1926	NM_133753 .1-816slcl	741 55	Errf1	0.931 42468 3	1.144 33884 4	0.475 51258 1	0.553 21039 7	1.530 72879 6	0.204 09537 4	0.942 90533 3	0.6142 18699	- 2.2926 84609	- 0.0848 15162
TRCN 000003 0566	NM_019861 .1-1390slcl	564 64	Ctsf	0.927 59507 4	1.143 27245 7	0.655 94710 4	1.095 81804 3	1.529 30233 9	0.281 53991 1	1.867 73907 7	0.6128 73652	- 1.8285 88641	- 0.9012 92925
TRCN 000005 5038	NM_026268 .1-1413slcl	676 03	Dusp6	0.136 29443 3	1.142 66480 4	0.759 16663 7	0.058 91987 7	1.528 48951 7	0.325 84290 1	0.100 42448 4	0.6121 06651	- 1.6177 51531	- 3.3158 17101
TRCN 000012 6045	NM_178057 .2-451slcl	153 64	Hmga2	0.065 83030 9	1.139 23699 3	0.192 06556 7	3.415 04418 8	1.523 90428 7	0.082 43671 2	5.820 68483 4	0.6077 72293	- 3.6005 69224	- 2.5411 88904
TRCN 000012 0644	NM_017407 .1-582slcl	541 41	Spag5	0.210 24273 3	1.137 81195 2	1.177 45262 8	0.283 14001 6	1.521 99807 7	0.505 37597 6	0.482 59076 8	0.6059 66536	- 0.9845 7101	- 1.0511 27777
TRCN 000009 2699	NM_178208 .1-57slcl	319 155	Hist1h4 c	0.511 76923 1	1.137 50974 7	0.172 39002 3	2.987 97854 8	1.521 59383 8	0.073 99174 6	5.092 78372 5	0.6055 83301	- 3.7564 91842	- 2.3484 54452
TRCN 000012 3574	NM_024183 .3-2767slcl	668 99	Fip11l	0.461 82303 8	1.135 70451 8	0.468 68714 8	0.013 20054 4	1.519 17905 4	0.201 16582 1	0.022 49933 4	0.6032 91915	- 2.3135 42887	- 5.4739 7415
TRCN 000012 4937	NM_026719 .1-1305slcl	684 21	Lmbrd1	0.494 93780 6	1.135 61389 7	0.430 63268 6	0.901 72202 6	1.519 05784 6	0.184 83241 6	1.536 91706 7	0.6031 76803	- 2.4357 10294	- 0.6200 39318
TRCN 000006 7769	NM_010187 .1-733slcl	141 30	Fcgr2b	0.498 51683 7	1.135 33481 4	0.618 43363 4	0.782 07967 2	1.518 68451 9	0.265 43870 6	1.332 99572 4	0.6028 22205	- 1.9135 49338	- 0.4146 72152
TRCN 000007 7381	NM_022886 .1-688slcl	649 29	Scel	0.047 64341 3	1.134 03061 3	2.153 94144 2	0.015 75107 4	1.516 93995 4	0.924 49601 2	0.026 84651 6	0.6011 6398	- 0.1132 60999	- 5.2191 21311
TRCN 000008 0970	NM_177594 .1-1555slcl	210 376	Mtmr9	0.365 68793 2	1.133 27326 8	0.664 62057 5	1.419 52175 4	1.515 92688 9	0.285 26266 3	2.419 46760 1	0.6002 00176	- 1.8096 37167	- 1.2746 8962
TRCN 000019 3274	NM_025813 .1-689slcl	668 68	Mfsd1	0.337 55863	1.132 66764 1	0.234 53865 3	5.086 21342 9	1.515 11677	0.100 66664 1	8.669 06658 1	0.5994 28987	- 3.3123 42415	- 3.1158 76663
TRCN 000009 1807	NM_007735 .1-2605slcl	128 29	Col4a4	0.228 44651 3	1.132 00126 7	0.070 09266 4	1.514 22539 3	0.030 08456 3	1.704 42446 1	0.5985 79967	- 5.0548 32767	- 0.7692 84661	
TRCN 000012 5471	NM_025944 .2-402slcl	670 63	2L12Ri k	0.765 94398 3	1.131 97837 9	0.905 89490 9	0.462 04249 2	1.514 19477 7	0.388 82033 4	0.787 51652 6	0.5985 50797	- 1.3628 24426	- 0.3446 17897

TRCN 000003 7237	XM_357155 .1-597slc1	383 614	UNK	1.981 28703 3	1.130 69276 6	0.021 29992 3		1.512 47507 2	0.009 14216 8	1.704 42446 1	0.5969 11365	- 6.7732 48029	- 0.7692 84661
TRCN 000017 4668	NM_134052 .1-255slc1	104 923	Adi1	0.189 13242 8	1.130 43946 3	0.445 55524 2	2.034 46083 7	1.512 13624 1	0.191 23734 6	3.467 58481 4	0.5965 8813	- 2.3865 63807	- 1.7939 3117
TRCN 000003 0754	NM_021522 .2-1842slc1	590 25	Usp14	0.757 85528 1	1.128 71950 4	1.028 22163 5	0.822 30249 4	1.509 83553 1	0.441 32434 7	1.401 55248 5	0.5943 91403	- 1.1800 88753	- 0.4870 25771
TRCN 000009 3478	NM_020578 .1-1705slc1	574 40	Ehd3	0.807 34451 1	1.127 92901 2	0.685 00791 7	1.155 87135 9	1.508 77812 7	0.294 01314 7	1.970 09541 7	0.5933 80667	- 1.7660 47459	- 0.9782 65505
TRCN 000011 2657	NM_198093 .2-499slc1	140 580	Elmo1	0.552 42480 1	1.127 77035 4	1.009 28341 5	0.017 79290 8	1.508 56589 7	0.433 19584 9	0.030 32666 7	0.5931 77718	- 1.2069 08675	- 5.0432 69224
TRCN 000009 9708	NM_020561 .1-1235slc1	573 19	Smpdl3 a	0.587 60278 5	1.126 82698 3	0.905 53474 3	0.015 30988 3	1.507 30399 3	0.388 66574 7	0.026 09453 4	0.5919 70406	- 1.3633 98127	- 5.2601 0857
TRCN 000002 7068	NM_009504 .2-3062slc1	223 37	Vdr	0.717 07775 1	1.126 81470 4	0.515 45336 8	1.496 94741 8	1.507 1.507 28757	0.221 23840 8	2.551 43379 6	0.5919 54689	- 2.1763 2623	- 1.3513 08208
TRCN 000002 2724	NM_148945 .1-1345slc1	110 651	Rps6ka 3	0.923 34950 3	1.126 77704 1	0.635 13479 9	0.707 82976 3	1.507 23718 9	0.272 60703 4	1.206 44236 3	0.5919 06467	- 1.8751 05305	- 0.2707 58993
TRCN 000012 5583	NM_011574 .1-1318slc1	217 71	Cirh1a	0.417 78528 3	1.126 71523 3	0.016 43047 4	56.54 60161 3	1.507 15451 2	0.007 05214 5	96.37 84130 5	0.5918 27328	- 7.1477 22147	- 6.5906 38141
TRCN 000009 0546	NM_134471 .2-759slc1	738 04	Kif2c	0.195 07883 5	1.124 99835 5	0.108 90044 7	1.724 01197 7	1.504 85792 5	0.046 74130 3	2.938 44818 4	0.5896 27287	- 4.4191 58242	- 1.5550 54459
TRCN 000007 1096	NM_197982 .2-245slc1	682 78	Ddx39	0.543 68257 5	1.123 34331 5	0.737 14554 1	1.180 89983 7	1.502 64405 4	0.316 39119 8	2.012 75456 7	0.5875 03304	- 1.6602 18631	- 1.0091 71263
TRCN 000001 2440	NM_010585 .2-3323slc1	164 38	Itpr1	0.095 01035 2	1.123 09651 2	118.4 65731 8	0.010 22813 2	1.502 31391 5	50.84 68310 8	0.017 43307 9	0.5871 86301	- 5.6680 85959	- 5.8420 28806
TRCN 000002 6375	NM_145383 .1-546slc1	212 541	Rho	0.008 37609 5	1.123 09651 4	1.390 65301 4	0.543 28865 4	1.502 31391 5	0.596 88399 2	0.925 99447 1	0.5871 86301	- 0.7444 77533	- 0.1109 24515
TRCN 000002 8796	NM_008192 .1-2418slc1	149 19	Gucy2e	0.056 23459 1	1.123 09651 5	0.755 52600 5		1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	- 1.6246 86709	- 0.7692 84661
TRCN 000003 1399	NM_027918 .1-354slc1	717 75	130001 7J02Rik	0.065 08938 2	1.123 09651 4	1.390 65301 4	0.543 28865 4	1.502 31391 5	0.596 88399 2	0.925 99447 1	0.5871 86301	- 0.7444 77533	- 0.1109 24515
TRCN 000003 9067	NM_010773 .1-1055slc1	171 91	Mbd2	0.025 28119 7	1.123 09651 7	1.178 94401 1	0.640 84977 5	1.502 31391 5	0.506 01609 5	1.092 28003 3	0.5871 86301	- 0.9827 44822	- 0.1273 42774
TRCN 000004 2690	NM_008037 .3-668slc1	142 84	Fosl2	0.017 70249 6	1.123 09651 8	0.967 23500 8	237.5 29063 2	1.502 31391 5	0.415 14819 8	404.8 50345 5	0.5871 86301	- 1.2683 0166	- 8.6612 44899
TRCN 000006 5503	NM_009142 .2-147slc1	203 12	Cx3cl1	0.039 93589 6	1.123 09651 8	0.967 23500 8	0.781 11937 5	1.502 31391 5	0.415 14819 8	1.331 35896 9	0.5871 86301	- 1.2683 0166	- 0.4128 99612
TRCN 000007 5550	NM_010590 .2-1193slc1	164 75	Jub	0.056 23459 1	1.123 09651 6	75.70 05131 6	0.009 98046 1	1.502 31391 5	32.49 15158 7	0.017 01094 2	0.5871 86301	- 5.0219 91148	- 5.8773 93196
TRCN 000008 1926	NM_016791 .2-1361slc1	180 18	Nfatc1	0.015 11353 7	1.123 09651 5	0.755 52600 5		1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	- 1.6246 86709	- 0.7692 84661
TRCN 000008 6404	NM_030199 .2-930slc1	788 34	Zfp623	0.025 28119 7	1.123 09651 5	0.755 52600 5		1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	- 1.6246 86709	- 0.7692 84661
TRCN 000008 8242	NM_152810 .1-1547slc1	717 02	Cdc5l	0.044 20677 1	1.123 09651 5	0.755 52600 5		1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	- 1.6246 86709	- 0.7692 84661
TRCN 000009 6929	NM_020034 .1-57slc1	567 02	Hist1h1 b	0.065 08938 2	1.123 09651 1	1.178 94401 1	0.640 84977 5	1.502 31391 5	0.506 01609 5	1.092 28003 3	0.5871 86301	- 0.9827 44822	- 0.1273 42774

TRCN 000009 8920	NM_178693 .2-1548slcl	227 683	Coq4	0.077 25390 8	1.123 09651	1.178 94401 1	1.027 76990 5	1.502 31391 5	0.506 01609 5	1.751 75616 7	0.5871 86301	- 0.9827 44822	0.8088 01975
TRCN 000011 1941	NM_145973 .2-708slcl	269 344	Ell3	0.006 62969 7	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000011 4511	NM_007592 .1-1186slcl	123 19	Car8	0.095 01035 2	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000011 4743	NM_010870 .1-309slcl	179 51	Birc1e	0.077 25390 8	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000012 1355	NM_026036 .1-526slcl	672 13	Cmtm6	0.095 01035 2	1.123 09651	11.12 92671 6	0.108 87358 1	1.502 31391 5	4.776 80725 7	0.185 56679 5	0.5871 86301	2.2560 46666	2.4299 89513
TRCN 000012 6040	NM_013587 .2-966slcl	169 76	Lrpal1	0.095 01035 2	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000012 6577	NM_001035 226.1- 410slcl	103 573	Xpol	0.095 01035 2	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000017 4704	NM_134187 .2-1026slcl	171 205	Vlrc32	0.095 01035 2	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000017 5887	NM_029726 .1-734slcl	767 57	Trdn	0.065 08938 2	1.123 09651	1.178 94401 1	1.414 69003 5	1.502 31391 5	0.506 01609 5	2.411 2323	0.5871 86301	0.9827 44822	1.2697 70648
TRCN 000017 6035	NM_173759 .2-489slcl	225 583	A73001 7C20Ri k	0.065 08938 2	1.123 09651	6.683 37809 6	0.113 04552 8	1.502 31391 5	2.868 58141 9	0.192 67756 3	0.5871 86301	1.5203 37467	2.3757 39514
TRCN 000017 8429	NM_134182 .1-573slcl	171 200	Vlrc27	0.018 49452 7	1.123 09651	0.967 23500 8	0.781 11937 5	1.502 31391 5	0.415 14819 8	1.331 35896 9	0.5871 86301	1.2683 0166	0.4128 99612
TRCN 000018 5009	NM_146724 .1-670slcl	258 719	Olfrc512	0.033 46893 9	1.123 09651	0.755 52600 5	1	1.502 31391 5	0.324 28030 1	1.704 42446 1	0.5871 86301	1.6246 86709	0.7692 84661
TRCN 000019 0038	NM_153557 .1-574slcl	227 622	BC0292 14	0.021 36178 4	1.123 09651	0.967 23500 8	0.781 11937 5	1.502 31391 5	0.415 14819 8	1.331 35896 9	0.5871 86301	1.2683 0166	0.4128 99612
TRCN 000019 3662	NM_172465 .1-787slcl	208 884	Zdhhc9	0.077 25390 8	1.123 09651	44.57 92896 8	0.027 18040 6	1.502 31391 5	19.13 3935	0.046 32694 8	0.5871 86301	4.2580 61697	4.4320 04544
TRCN 000020 0338	NM_025721 .1-193slcl	667 12	Spespl	0.026 92809 9	1.123 09651	0.967 23500 8	0.781 11937 5	1.502 31391 5	0.415 14819 8	1.331 35896 9	0.5871 86301	1.2683 0166	0.4128 99612
TRCN 000001 2271	NM_007609 .1-353slcl	123 63	Casp4	0.748 14879 6	1.123 06885 5	0.688 66420 1	3.089 57921 6	1.502 27692 1	0.295 58245 9	5.265 95438 9	0.5871 50776	1.7583 6744	2.3966 95026
TRCN 000001 2089	NM_008687 .2-407slcl	180 28	Nfib	0.204 60405 3	1.122 02705 7	0.785 67021 9	1.042 06049 9	1.500 88335 7	0.337 21853 4	1.776 11340 5	0.5858 11861	1.5682 44262	0.8287 23701
TRCN 000008 6040	NM_175009 .2-258slcl	223 527	Eny2	0.063 00293 3	1.120 16130 6	1.883 39941 2	0.065 39830 3	1.498 38762 9	0.808 37631 5	0.111 46646 7	0.5834 10894	0.3069 01043	3.1653 18329
TRCN 000010 8510	NM_011983 .1-1178slcl	265 57	Homer2	0.357 14336 1	1.120 08856 4	0.146 25105 7	3.340 20167 7	1.498 29032 5	0.062 77260 4	5.693 12144 3	0.5833 17203	3.9937 21138	2.5092 19875
TRCN 000000 8535	NM_021422 .2-1439slcl	582 33	Dnaja4	0.053 39143 9	1.117 87280 3	0.133 51537 3	69.07 8899	1.495 32640 4	0.057 30630 7	117.7 39765 2	0.5804 60434	4.1251 62263	6.8794 57845
TRCN 000017 5843	NM_010417 .1-4102slcl	152 03	Heph	0.439 60337 1	1.116 44214 6	0.190 41463 9	3.463 00393 7	1.493 41268 1	0.081 72811 5	5.902 42861 8	0.5786 12886	3.6130 23725	2.5613 08689
TRCN 000007 1928	NM_146120 .2-2050slcl	227 753	Gsn	0.579 67607 7	1.115 89656 7	2.282 65284 5	0.071 50623 1	1.492 68288 6	0.979 74040 1	0.121 87696 9	0.5779 07704	0.0295 28561	3.0365 02567
TRCN 000005 4498	NM_011231 .1-94slcl	193 52	Rabggt b	0.378 64119 1	1.115 38288 2	0.455 05544 9	2.965 63620 1	1.491 99575 4	0.195 31494 2	5.054 70288 3	0.5772 4343	2.3561 25772	2.3376 26292

TRCN 000008 8760	NM_013787 .2-1418slc1	274 01	Skp2	0.139 16451 3	1.115 14528 7	1.674 19014 5	1.685 89393 3	1.491 67793 4	0.718 58133 3	2.873 47885 7	0.5769 36079	0.4767 76636	- 1.5227 98434
TRCN 000009 4893	NM_175164 .3-1670slc1	713 02	Arhgap 26	0.612 95407 1	1.114 13867 5	0.840 10578 8	0.626 57525 2	1.490 33143 5	0.360 5829 5	1.067 95018 5	0.5756 33208	1.4715 97115	0.0948 44354
TRCN 000002 5048	NM_025415 .1-288slc1	661 97	Cks2	0.676 99411 2	1.112 04168 9	0.643 84664 8	0.041 70567 5	1.487 52639 5	0.276 34625 8	0.071 08417 2	0.5729 15268	1.8554 51016	3.8143 27824
TRCN 000010 5071	NM_207530 .2-2191slc1	642 91	Osbp1a	0.335 83037 1	1.110 70909 1	1.041 40949 7	0.380 05719 8	1.485 74384 1	0.446 98472 7	0.647 77878 5	0.5711 854	1.1617 02559	0.6264 26875
TRCN 000017 7384	NM_001013 806.1- 1026slc1	433 667	Ankrd1 3c	1.149 26516 8	1.109 85653 1	0.539 08396 4	0.307 02307 3	1.484 60341 1	0.231 38093 6	0.523 29763 6	0.5700 77589	2.1116 58128	0.9342 96352
TRCN 000009 5673	NM_013860 .1-1523slc1	298 06	Limd1	0.260 36787 5	1.109 19845 6	0.014 57121 3	50.50 84056 8	1.483 72313 4	0.006 25412 9	86.08 77621 2	0.5692 21907	7.3209 75238	6.4277 36259
TRCN 000007 1951	NM_011594 .2-462slc1	218 58	Timp2	1.031 96270 5	1.105 33637 5	0.404 24220 5	1.069 13599 1	1.478 55700 1	0.173 50532 3	1.822 26153 4	0.5641 89863	2.5269 48167	0.8657 30032
TRCN 000002 6688	NM_023209 .1-980slc1	520 33	Pbk	0.175 41735 8	1.104 85234 9	7.455 25538 5	0.043 38845 3	1.477 90955 6	3.199 87987 6	0.073 95234 6	0.5635 57977	1.6780 17747	3.7572 60391
TRCN 000007 6420	NM_130452 .1-329slc1	170 442	Bbox1	1.016 08268 1	1.103 94164 3	0.310 01394 4	2.076 91920 2	1.476 69134 9	0.133 06148 9	3.539 95189 1	0.5623 68304	2.9098 35014	1.8237 29754
TRCN 000008 6389	NM_009261 .1-385slc1	207 44	Strbp	0.734 19975 9	1.102 25536 2	0.497 52074 9	0.627 45426 8	1.474 43568 1	0.213 54152 9	1.069 44840 3	0.5601 62889	2.2274 11428	0.0968 66879
TRCN 000011 3371	NM_172751 .1-1610slc1	234 094	Arhgef1 0	0.478 02841 3	1.101 72112 2	0.498 88952 5	3.610 93906 4	1.473 72105 3	0.214 12902 3	6.154 57286 6	0.5594 63475	2.2234 47745	2.6216 58736
TRCN 000007 9555	NM_026228 .2-1275slc1	675 47	Slc39a8	0.248 35062 6	1.101 62539 4	0.562 12772 4	0.774 31735 6	1.473 59300 3	0.241 27157 3	1.319 76544 2	0.5593 38116	2.0512 70153	0.4002 81546
TRCN 000004 2598	NM_007670 .2-1068slc1	125 79	Cdkn2b	0.473 90086 8	1.098 15362 8	0.526 76841 2	0.415 08472 9	1.468 94898 2	0.226 09495 6	0.707 48056 6	0.5547 8429	2.1449 99286	0.4992 37576
TRCN 000019 3400	NM_009287 .2-2712slc1	208 66	Stim1	0.450 78307 9	1.097 54400 7	3.127 43213 9	0.491 45953 7	1.468 13352 3	1.342 32922 3	0.837 65565 7	0.5539 83181	0.4247 38553	0.2555 70792
TRCN 000010 3117	NM_020564 .1-205slc1	574 29	Sult5a1	0.300 12311 6	1.097 18826 4	0.314 87905 7	9.355 31664 9	1.467 65766 9	0.135 14965 3	15.94 54305 3	0.5535 1549	2.8873 70317	3.9950 71146
TRCN 000018 1888	NM_181400 .2-573slc1	995 12	Wdr47	0.124 19284 8	1.096 91022 6	0.664 01120 1	0.524 65356 6	1.467 28574 2	0.285 00111 2	0.894 23237 1	0.5531 49851	1.8109 60544	0.1612 78323
TRCN 000003 2089	NM_008939 .1-659slc1	191 42	Prss12	0.447 97373 5	1.096 68209 6	0.683 89888 2	0.051 2975 3	1.466 98058 3	0.293 53713 4	0.087 43271 4	0.5528 49776	1.7683 85091	3.5156 83015
TRCN 000006 5617	NM_013584 .1-2387slc1	168 80	Lifr	0.190 24425 8	1.095 42831 4	2.963 74119 7	0.039 56571 6	1.465 30345 7	1.272 07122 5	0.067 43677 5	0.5511 9947	0.3471 79446	3.8903 20655
TRCN 000008 1036	XM_354809 .1-548slc1	723 91	Cdkn3	0.033 22474 8	1.094 92260 8	0.028 32892 9	1.464 62699 1	0.012 15909 6	1.704 42446 1	0.5505 33295	6.3618 20161	0.7692 84661	
TRCN 000003 9404	NM_020004 .1-841slc1	145 34	Gcn512	1.611 07414 1	1.093 91472 4	0.797 48363 1	0.856 81486 8	1.463 27879 8	0.342 28898 8	1.460 37621 9	0.5492 04672	1.5467 13215	0.5463 40081
TRCN 000007 9796	NM_026532 .2-178slc1	680 51	Nutf2	0.249 14492 2	1.093 88994 4	0.033 55848 3	1.463 24565 1	0.014 40368 1	1.704 42446 1	0.5491 71991	6.1174 18722	0.7692 84661	
TRCN 000012 4779	NM_021385 .1-213slc1	581 86	Rad18	0.568 21211 7	1.093 80858 8	1.356 76676 2	0.628 34496 4	1.463 13682 5	0.582 33963 7	1.070 96652 7	0.5490 64689	0.7800 67294	0.0989 13389
TRCN 000002 6993	NM_152804 .1-1915slc1	206 20	Plk2	0.335 03825 5	1.093 39003 7	0.308 08439 4	1.949 42296 4	1.462 57694 8	0.132 23330 3	3.322 64418 4	0.5485 12529	2.9188 42534	1.7323 31805

TRCN 000006 6575	NM_016741 .1-375slcl	207 78	Scarb1	1.141 18769 4	1.093 33844 2	1.186 79911 4	0.417 92317 1	1.462 50793 3	0.509 38759 4	0.712 31847 6	0.5484 4445	- 0.9731 64272	- 0.4894 05684
TRCN 000008 9048	NM_009704 .2-947slcl	118 39	Areg	0.935 56081 3	1.091 12221 8	0.327 15736 5	0.595 31383 2	1.459 54339 7	0.140 41963 2	1.014 66746 2	0.5455 17103	- 2.8321 83395	- 0.0210 06989
TRCN 000009 5074	NM_011658 .2-1439slcl	221 60	Twist1	1.091 28020 4	1.088 74083 9	0.370 37666 3	0.312 88382 9	1.456 35793 2	0.158 96985 2	0.533 28685 2	0.5423 64973	- 2.6531 74925	- 0.9070 16336
TRCN 000010 5815	NM_019466 .2-1388slcl	547 20	Dscr1	0.572 70338 4	1.088 43484 5	0.670 58028 8	0.529 29445 8	1.455 94861 8	0.287 82063 8	0.902 14242 1	0.5419 59442	- 1.7967 58053	- 0.1485 72885
TRCN 000008 2262	NM_021498 .2-256slcl	590 01	Pole3	0.751 82477 3	1.088 03958 9	0.579 37797 8	0.295 69403 5	1.455 41990 4	0.248 67557 7	0.503 98814 7	0.5414 35446	- 2.0076 63273	- 0.9885 38292
TRCN 000019 3681	NM_172049 .1-354slcl	211 986	Tmem1 8	0.360 18097 1	1.087 43837 5	0.718 54570 7	0.870 91205 7	1.454 61568 8	0.308 40793 9	1.484 40381 3	0.5406 38041	- 1.6970 88192	- 0.5698 83612
TRCN 000007 0634	NM_013601 .1-853slcl	177 02	Msx2	0.395 42800 2	1.086 74299 6	1.472 19987 7	0.191 38033 8	1.453 68551 1	0.631 88482 7	0.326 19333 7	0.5397 15191	- 0.6622 66471	- 1.6162 00815
TRCN 000019 3401	NM_025558 .2-436slcl	664 27	Cyb5b	0.628 08695 6	1.086 24492 2	0.873 87415 5	0.592 40157 3	1.453 01926 1	0.375 07666 4	1.009 70373 2	0.5390 53827	- 1.4147 42588	- 0.0139 32038
TRCN 000009 5285	NM_008601 .1-228slcl	173 42	Mitf	0.288 81253 3	1.084 63616 9	0.616 77897 4	1.417 86149 4	1.450 86730 6	0.264 72850 5	2.416 63781 3	0.5369 15579	- 1.9174 14545	- 1.2730 01269
TRCN 000003 9046	NM_008234 .2-582slcl	152 01	Hells	0.201 02245 7	1.084 48238 8	1.711 10501 3	0.503 63991 8	1.450 66160 1	0.734 42561 2	0.858 41619 5	0.5367 11018	- 0.4453 11724	- 0.2202 508
TRCN 000002 7742	NM_023223 .1-670slcl	107 995	Cdc20	0.136 78109 7	1.082 45517 1	0.494 58707 2	0.034 12780 7	1.447 94988 7	0.212 28236 1	0.058 16826 9	0.5340 11672	- 2.2359 43594	- 4.1036 23827
TRCN 000006 8836	NM_183285 .1-690slcl	703 82	Kctd2	0.598 39090 6	1.081 21859 8	0.847 00718 5	0.219 96266 5	1.446 29578 1	0.363 54505 7	0.374 90974 6	0.5323 62627	- 1.4597 93915	- 1.4153 84764
TRCN 000011 9853	NM_007808 .2-346slcl	130 63	Cycs	0.213 4533 2	1.081 18753 2	0.006 86620 8	1.603 76104 5	1.446 25422 5	0.002 94705 4	2.733 48955 4	0.5323 21174	- 8.4065 10659	- 1.4507 43862
TRCN 000007 1642	NM_019410 .2-291slcl	186 45	Pfn2	0.124 55949 8	1.080 71075 1	0.278 65636 3		1.445 61645 7	0.119 60246 1	1.704 42446 1	0.5316 84836	- 3.0636 81023	- 0.7692 84661
TRCN 000009 3126	NM_007681 .1-233slcl	126 15	Cenpa	0.329 44898 8	1.080 34739 7	0.600 07358 7	0.295 29124 1	1.445 13040 7	0.257 55836 6	0.503 30161 4	0.5311 99686	- 1.9570 28693	- 0.9905 0487
TRCN 000004 0854	NM_019668 .2-204slcl	222 09	Ube2a	1.429 76267 6	1.080 10901 9	0.632 40467 2	0.332 97328 2	1.444 81154 9	0.271 43523 2	0.567 52780 6	0.5308 8133	- 1.8813 20101	- 0.8172 37015
TRCN 000008 7835	NM_134011 .1-1967slcl	213 79	Tbreg4	0.376 16417 1	1.080 00230 2	1.377 08573 8	0.841 16111 7	1.444 66879 9	0.591 06076 4	1.433 69558 3	0.5307 38782	- 0.7586 21642	- 0.5197 38729
TRCN 000012 5850	NM_026139 .2-2919slcl	674 16	Armcx2	0.570 07629 1	1.076 08792 7	0.395 62402 7	0.589 24751 7	1.439 43272 2	0.169 80630 1	1.004 32788 2	0.5255 0036	- 2.5580 38101	- 0.0062 30341
TRCN 000007 1892	NM_173761 .3-308slcl	228 994	Ythdf1	0.007 65582 5	1.072 69823 5	15.40 74808 8	0.515 20609 9	1.434 89848 9	6.613 06493 9	0.878 12986 3	0.5209 48678	- 2.7253 19069	- 0.1874 93785
TRCN 000010 9850	NM_172155 .1-204slcl	215 028	Plib	0.123 79305 5	1.072 69823 5	0.607 10469 4	2.207 52209 9	1.434 89848 9	0.260 57619 7	3.762 55464 8	0.5209 48678	- 1.9402 22793	- 1.9117 12536
TRCN 000012 6676	NM_133974 .2-2175slcl	109 332	Cdcp1	0.123 79305 5	1.072 69823 5	0.777 22396 1	1.252 72882 5	1.434 89848 9	0.333 59330 9	2.135 18165 1	0.5209 48678	- 1.5838 37744	- 1.0943 58813
TRCN 000018 1924	NM_178381 .2-551slcl	713 45	Trp53i5	0.073 27045 3	1.072 69823 5	0.607 10469 4		1.434 89848 9	0.260 57619 7	1.704 42446 1	0.5209 48678	- 1.9402 22793	- 0.7692 84661
TRCN 000018 4458	NM_139198 .1-379slcl	231 507	Plac8	0.025 22595 5	1.072 69823 5	0.607 10469 4		1.434 89848 9	0.260 57619 7	1.704 42446 1	0.5209 48678	- 1.9402 22793	- 0.7692 84661

TRCN 000011 0151	NM_133962 .3-2551s1c1	102 098	Arhgef1 8	1.016 0567	1.054 97763 7	0.075 21011	1	1.411 19446 9	0.032 28102 9	1.704 42446 1	0.4969 16811	4.9531 69611	0.7692 84661
TRCN 000002 5669	NM_009516 .2-2036s1c1	223 90	Wee1	1.354 13714 9	1.054 77526 4	0.037 64750 8	71.99 41463 1	1.410 92376 4	0.016 15873 6	122.7 08584	0.4966 40038	5.9515 41855	6.9390 92365
TRCN 000019 7970	NM_011513 .1-628s1c1	209 33	Surf5	0.529 54235 3	1.054 00836 2	2.975 13996 3	0.105 08241 2	1.409 89791 6	1.276 96369 9	0.179 10503 4	0.4955 90707	0.3527 17514	2.4811 2221
TRCN 000003 3143	NM_011156 .2-939s1c1	190 72	Prep	0.312 04919 5	1.053 73431 8	0.114 07778 9	12.47 14598 5	1.409 53133 9	0.048 96347 6	21.25 66612 3	0.4952 15554	4.3521 50197	4.4098 43107
TRCN 000010 1431	NM_021891 .2-1133s1c1	605 30	Fign1	0.532 73225 5	1.053 00267 7	0.834 74308 1	1.286 96748 7	1.408 55265 7	0.358 28116 5	2.193 53885 4	0.4942 13498	1.4808 35892	1.1332 60261
TRCN 000010 2324	NM_011317 .2-792s1c1	202 18	Khdrbs 1	0.892 10222 7	1.052 33435	0.753 24512 5	0.905 56084 4	1.407 65866 7	0.323 30132 1	1.543 46005 4	0.4932 97548	1.6290 4869	0.6261 68145
TRCN 000008 6166	NM_011448 .2-1234s1c1	206 82	Sox9	0.576 77233	1.051 83673 3	0.174 36971 5	0.103 73422 5	1.406 99302 8	0.074 84145 2	0.176 80715	0.4926 1518	3.7400 18634	2.4997 51475
TRCN 000011 4494	NM_139305 .1-862s1c1	230 099	Car9	0.330 02921 8	1.050 98356 1	0.386 40043 1	2.549 65955 3	1.405 85178 2	0.165 84743 9	4.345 70210 9	0.4914 44498	2.5920 71418	2.1195 89283
TRCN 000010 6036	NM_028818 .1-592s1c1	742 06	261051 1M17Ri k	1.357 36072 4	1.047 28337 3	1.015 90791 4	1.017 17662 7	1.400 90221 1	0.436 03915 9	1.733 70072 4	0.4863 56253	1.1974 7039	0.7938 54878
TRCN 000003 2534	NM_029614 .2-1186s1c1	764 53	Prss23	0.212 58155 8	1.045 94027 6	1.376 84755 4	0.363 11802	1.399 10561 2	0.590 95853 2	0.618 90723 5	0.4845 04869	0.7588 71196	0.6922 04908
TRCN 000018 1647	NM_199467 .1-1674s1c1	212 377	F73004 7E07Ri k	1.131 00166 3	1.045 83325 8	0.790 35235 3	0.029 56750 1	1.398 96245 9	0.339 22816 3	0.050 39557 1	0.4843 57248	1.5596 72147	4.3105 59229
TRCN 000010 0539	NM_173413 .2-417s1c1	235 442	Rab8b	0.150 23461 3	1.044 18547	1.279 73877	0.072 92812 4	1.396 75829 1	0.549 27834 5	0.124 30047 8	0.4820 82384	0.8643 9068	3.0080 96245
TRCN 000017 5524	NM_009298 .2-853s1c1	209 35	Surf6	0.001 74698 6	1.042 70510 4	2.549 26733 6	0.283 94425 5	1.394 77807 3	1.094 17435 4	0.483 96153 4	0.4800 3559	0.1298 42646	1.0470 3571
TRCN 000011 0374	NM_016888 .4-338s1c1	536 25	B3gnt2	0.616 04490 2	1.042 59131 9	1.218 68278 8	0.375 00304 4	1.394 62586 8	0.523 07242 7	0.639 16436 2	0.4798 78147	0.9349 17372	0.6457 41125
TRCN 000011 2416	NM_008379 .2-2078s1c1	162 11	Kpnb1	0.523 99699 4	1.042 44538	1.614 45717 9	0.225 64332 8	1.394 43065 3	0.692 94326 9	0.384 59200 8	0.4796 76189	0.5291 90851	1.3785 99313
TRCN 000008 0725	NM_019926 .1-1319s1c1	177 72	Mtm1	0.377 45096 1	1.042 37094 7	0.470 78733 8	2.982 71489 8	1.394 33108 8	0.202 06724 3	5.083 81223 1	0.4795 73174	2.3070 92628	2.3459 10746
TRCN 000003 0456	NM_177169 .2-2616s1c1	320 477	UNK	0.500 73829 8	1.042 26938 1	0.008 80233 3	18.50 90703	1.394 19522 6	0.003 77806 1	31.54 73121 7	0.4794 32593	8.0481 38427	4.9794 45188
TRCN 000004 2684	NM_010235 .1-1050s1c1	142 83	Fos1	0.079 49216 4	1.041 31475 6	0.507 42269 7	1.603 76104 5	1.392 91827	0.217 79155 7	2.733 48955 4	0.4781 10609	2.1989 8007	1.4507 43862
TRCN 000010 4390	NM_009078 .1-335s1c1	199 21	Rpl19	0.010 47847 8	1.041 31475 6	1.502 73148 7	0.541 53703 5	1.392 91827	0.644 98933 9	0.923 00897 9	0.4781 10609	0.6326 52781	0.1155 83427
TRCN 000019 0117	NM_023463 .2-130s1c1	684 68	Ly6g6c	0.079 49216 4	1.041 31475 6	0.507 42269 7	1	1.392 91827	0.217 79155 7	1.704 42446 1	0.4781 10609	2.1989 8007	0.7692 84661
TRCN 000007 9365	NM_007513 .1-687s1c1	119 87	Slc7a1	1.737 17849 2	1.041 26486 1	1.797 53073 5	0.143 51364 3	1.392 85152 7	0.771 52050 8	0.244 60816 4	0.4780 4148	0.3742 23588	2.0314 55539
TRCN 000009 4890	NM_175164 .3-780s1c1	713 02	Arhgap 26	0.270 19227 7	1.039 94016 9	0.071 02407 2	3.495 43738 4	1.391 07954 8	0.030 48433 5	5.957 70897 8	0.4762 04922	5.0357 88135	2.5747 57653
TRCN 000003 0635	NM_007798 .1-373s1c1	130 30	Ctsb	0.040 29548 7	1.039 12656 4	0.306 27231 1	1	1.389 99122 8	0.131 45553 8	1.704 42446 1	0.4750 75778	2.9273 53177	0.7692 84661

TRCN 000009 8594	NM_008303 .2-298s1c1	155 28	Hspe1	0.302 73634 3	1.038 56164	4.395 62841 6	0.111 89545 8	1.389 23555 4	1.886 65339 9	0.190 71735 6	0.4742 91238	0.9158 29406	- 2.3904 91958
TRCN 000007 7770	NM_007630 .1-1085s1c1	124 42	Ccnb2	0.302 49243 4	1.037 36318	1.135 7638	2.857 39503 1	1.387 63243 1	0.487 48266	4.870 21398 5	0.4726 25464	1.0365 77192	- 2.2839 85162
TRCN 000019 1870	NM_001033 312.1- 1012s1c1	231 863	Fbxl18	0.178 83579 5	1.035 98072 7	1.641 84663 7	0.806 94684 4	1.385 78318 7	0.704 69913 4	1.375 37994	0.4707 01558	0.5049 20654	0.4598 30209
TRCN 000010 1140	NM_008529 .2-863s1c1	170 69	Ly6e	0.118 68125 4	1.033 99854 8	0.625 47494 7	0.078 31472 9	1.383 13171 8	0.268 46091 7	0.133 48153 9	0.4679 38553	1.8972 16023	- 2.9052 8787
TRCN 000017 6960	NM_016854 .1-606s1c1	534 12	Ppp1r3c	1.121 19760 1	1.032 04972 1	1.789 29441 8	0.494 14910 9	1.380 52486 4	0.767 98538 8	0.842 23982 9	0.4652 16872	0.3808 49233	- 0.2476 96993
TRCN 000007 1749	NM_015814 .2-1028s1c1	507 81	Dkk3	0.367 70424 6	1.031 104	2.006 12697 3	0.194 19426 6	1.379 25981 7	0.861 05237 2	0.330 98945 7	0.4638 94249	0.2158 27106	- 1.5951 42833
TRCN 000009 2584	XM_110701 .2-255s1c1	194 597	Tmprss 11a	1.974 91737 2	1.022 60742 2	0.947 52498 3	0.731 89268 1	1.367 89434	0.406 68843 2	1.247 45578 8	0.4519 56797	1.2980 04139	0.3189 88685
TRCN 000009 0507	NM_007742 .2-530s1c1	128 42	Colla1	0.285 25171 6	1.021 02292 2	0.194 35500 5	0.337 66690 9	1.365 77482 9	0.083 41936 5	0.575 52774	0.4497 1965	3.5834 73858	0.7970 42628
TRCN 000011 4173	NM_026438 .2-603s1c1	678 95	Ppa1	0.504 94469 3	1.020 03182 3	4.645 26996 4	0.063 56321 4	1.364 44908 1	1.993 80237 2	0.108 33869 7	0.4483 18556	0.9955 22415	- 3.2063 79452
TRCN 000003 2090	NM_008939 .1-1790s1c1	191 42	Prss12	0.094 48798 7	1.019 89277 8	0.802 25878 4	0.543 28865 4	1.364 26308 7	0.344 33853 8	0.925 99447 1	0.4481 21883	1.5381 00441	0.1109 24515
TRCN 000017 5008	NM_009287 .2-1670s1c1	208 66	Stim1	0.094 93082 4	1.019 63485 7	0.693 09336 6	1.603 22628 8	1.363 91807 8	0.297 48350 6	2.732 57810 1	0.4477 56993	1.7491 18413	1.4502 62731
TRCN 000010 3434	NM_010357 .1-186s1c1	148 60	Gsta4	0.578 80725 7	1.019 26928 3	0.978 4719	0.096 17286 9	1.363 42906 7	0.419 97119 9	0.163 91939 1	0.4472 39646	1.2516 37703	2.6089 41566
TRCN 000008 6609	XM_283603 .2-2538s1c1	167 64	Aff3	0.864 51477 1	1.016 70176 1	0.187 95756 5	0.267 04749 3	1.359 99461 2	0.080 67351 2	0.455 16227 9	0.4436 00936	3.6317 61136	1.1355 47094
TRCN 000011 0523	NM_008662 .1-3834s1c1	179 20	Myo6	0.369 17596 6	1.014 76531 7	0.681 26137 6	2.271 16282 4	1.357 40432 1	0.292 40508 3	3.871 02547 1	0.4408 5051	1.7739 59706	1.9527 158
TRCN 000017 3589	NM_020588 .1-689s1c1	574 39	130000 7B12Ri k	0.073 70622 6	1.014 53786 6	0.255 60865 4	9.741 69892 1	1.357 10007	0.109 71012 3	1.704 42446 1	0.4405 27107	3.1882 31441	0.7692 84661
TRCN 000010 0205	NM_007487 .2-1518s1c1	118 61	Arl4a	0.026 48325 8	1.012 33270 6	0.231 49773 1	9.741 69892 3	1.354 15033	0.099 36144 3	16.60 39899 3	0.4373 87908	3.3311 7007	4.0534 58057
TRCN 000010 2321	NM_011317 .2-534s1c1	202 18	Khdrbs l	1.231 66175 4	1.005 35661 8	0.377 39827 5	1.971 42381 6	1.344 81874 2	0.161 98360 5	3.360 14297 4	0.4274 11736	2.6260 80295	1.7485 22621
TRCN 000019 1093	NM_177864 .2-949s1c1	329 918	A03001 3N09Ri k	0.480 32258 1	1.005 12485 8	0.537 94519 9	1.102 90533 7	1.344 50872 7	0.230 89215 9	1.879 81883 5	0.4270 7912	2.1147 08911	0.9105 93631
TRCN 000007 0985	NM_011623 .1-3200s1c1	219 73	Top2a	1.749 09689 6	1.005 08855 5	0.730 78968 9	0.520 08837 8	1.344 46016 7	0.313 66319 5	0.886 45135 3	0.4270 27012	1.6727 11843	0.1738 86634
TRCN 000008 8094	NM_013726 .1-812s1c1	272 14	Dbf4	0.990 58004 7	1.005 00606 8	0.537 41820 8	1.233 60240 6	1.344 34982 8	0.230 66596 9	2.102 58211 5	0.4269 08606	2.1161 22919	1.0721 62145
TRCN 000006 7599	NM_009841 .2-241s1c1	124 75	Cd14	0.210 14114 5	1.004 33906 9	1.880 50943 3	0.816 33310 9	1.343 45761 4	0.807 13590 3	1.391 37811 8	0.4259 50806	0.3091 16484	0.4765 14537
TRCN 000007 0888	NM_008270 .1-696s1c1	154 17	Hoxb9	0.245 13869 9	1.003 12928 2	0.424 35473 6	5.245 11390 9	1.341 83933 9	0.182 13784 9	8.939 90044 6	0.4242 11945	2.4568 97342	3.1602 58766
TRCN 000017 4324	NM_030131 .2-66s1c1	984 17	Cnih4	0.198 50754 3	1.002 62588 8	0.013 31556 3	1.603 76104 5	1.341 16597 2	0.005 71519	2.733 48955 4	0.4234 87785	7.4509 82759	1.4507 43862

TRCN 000017 8095	NM_175465 .2-1863s1c1	228 071	Sestd1	0.181 55046 6	1.002 59965 2	1.926 6827	0.644 38294 6	1.341 13087 7	0.826 95399 2	1.098 30205 6	0.4234 50033	0.2741 21029	- 7488
TRCN 000007 6921	NM_013829 .1-1475s1c1	187 98	Plcb4	0.583 25296 9	1.002 27584 4	1.031 45834 6	0.384 87821 4	1.340 69773 5	0.442 71358	0.655 99584 3	0.4229 84013	1.1755 54466	- 41422
TRCN 000007 6765	NM_015729 .1-2021s1c1	114 30	Acox1	0.420 47899 8	1.000 96402 5	0.166 01889 3	6.120 39391 3	1.338 94297 5	0.071 25718 5	10.43 17490 9	0.4210 94518	3.8108 20691	3.3829 0917
TRCN 000009 0746	NM_153103 .1-430s1c1	165 62	Kif1c	0.307 29155 7	1.000 20534 2	0.512 49585	0.683 82471 8	1.337 92812	0.219 96901 2	1.165 52757 6	0.4200 0061	2.1846 27798	0.2209 83139
TRCN 000000 1684	NM_009915 .x-171s1c1	127 72	Ccr2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8412	NM_009503 .2-2168s1c1	269 523	Vcp	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8428	NM_023913 .2-1987s1c1	789 43	Ern1	0.028 39933 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8450	XM_129579 .3-1908s1c1	226 641	Atf6	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8503	NM_008296 .1-527s1c1	154 99	Hsf1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8519	NM_015765 .1-322s1c1	504 97	Hspa14	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8558	NM_011847 .1-185s1c1	239 50	Dnajb6	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 8563	NM_013760 .2-595s1c1	273 62	Dnajb9	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9519	NM_009871 .2-1246s1c1	125 69	Cdk5r1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9559	NM_019965 .2-1293s1c1	567 09	Dnajb1 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9565	NM_020266 .1-160s1c1	568 12	Dnajb1 0	0.012 37192 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9655	NM_177367 .2-755s1c1	276 919	Gemin4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9695	NM_009754 .1-123s1c1	121 25	Bcl2l11	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9795	NM_017464 .2-2396s1c1	180 03	Nedd9	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000000 9817	NM_028195 .2-841s1c1	723 18	Pscd4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000001 1812	NM_021308 .1-2898s1c1	577 46	Piwil2	0.007 56737 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000001 1996	NM_010852 .1-1355s1c1	178 76	Myef2	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000001 2042	NM_178798 .2-679s1c1	330 836	Slc7a6	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000001 2064	NM_011584 .2-378s1c1	353 187	Nr1d2	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661

TRCN 000001 2104	NM_007492 .3-129s1c1	118 78	Arx	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2107	NM_007492 .3-1659s1c1	118 78	Arx	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2111	NM_008666 .1-859s1c1	179 33	Myt1l	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2113	NM_133948 .2-2368s1c1	101 739	Psip1	0.005 53668 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2114	NM_133948 .2-550s1c1	101 739	Psip1	0.026 27218 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2152	NM_007417 .1-651s1c1	115 51	Adra2a	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2400	NM_010292 .3-408s1c1	103 988	Gck	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2524	NM_010789 .1-642s1c1	172 68	Meis1	0.013 83601 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2564	NM_007552 .1-546s1c1	121 51	Bmi1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2652	NM_007691 .2-1292s1c1	126 49	Chek1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2687	NM_015732 .3-1167s1c1	120 06	Axin2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2717	NM_178654 .2-870s1c1	109 333	Pkn2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2769	NM_012042 .3-1280s1c1	269 65	Cull1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2885	NM_177566 .2-717s1c1	442 801	Arhgef1 5	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 2898	NM_018729 .1-1568s1c1	181 06	Cd244	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 8490	NM_019830 .1-629s1c1	154 69	Prmt1	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 8755	NM_145128 .2-1799s1c1	107 895	Mgat5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000001 8799	NM_020026 .2-947s1c1	268 79	B3galnt 1	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000001 8820	NM_145933 .2-1459s1c1	204 40	St6gal1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2479	NM_009370 .2-743s1c1	218 12	Tgfbr1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2492	NM_023057 .1-1260s1c1	659 64	B23012 0H23Ri k	0.008 48239 4	1	22.01 60539 1	4.762 29301 3	1.337 65344 4	9.449 53917 9	8.116 96870 1	0.4197 04394	- 3.2402 43976	3.0209 41051
TRCN 000002 2569	NM_009582 .2-607s1c1	264 04	Map3k1 2	0.011 18803 7	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2649	XM_357542 .1-262s1c1	384 283	Gm138 9	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000002 2720	XM_357784 .1-66s1c1	384 675	UNK	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2736	NM_011062 .1-668s1c1	186 07	Pdpk1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2876	NM_011101 .1-2191s1c1	187 50	Prkca	0.013 31094 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2881	NM_013731 .1-645s1c1	272 19	Sgk2	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2882	NM_013731 .1-1392s1c1	272 19	Sgk2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2955	XM_358017 .1-37s1c1	385 049	LOC38 5049	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 2964	XM_359221 .1-144s1c1	386 422	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3087	NM_009874 .1-409s1c1	125 72	Cdk7	0.020 21545 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3132	NM_013871 .2-455s1c1	298 57	Mapk12	0.042 00260 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 3170	NM_146239 .1-281s1c1	237 459	Pctk2	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3306	NM_010142 .1-252s1c1	138 44	Ephb2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3322	NM_010237 .2-1038s1c1	143 02	Frk	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3323	NM_010237 .2-1915s1c1	143 02	Frk	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3328	NM_007937 .1-1880s1c1	138 39	Epha5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3349	NM_010143 .1-577s1c1	138 45	Ephb3	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3396	XM_136679 .3-1219s1c1	241 079	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3632	NM_172498 .1-1072s1c1	192 29	Ptk2b	0.015 02107 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3634	XM_356004 .1-53s1c1	381 968	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3669	NM_021099 .2-2246s1c1	165 90	Kit	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3758	NM_008029 .1-1667s1c1	142 57	Flt4	0.042 00260 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 3887	NM_011876 .2-899s1c1	239 99	Ptk9l	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3954	NM_021450 .1-4488s1c1	588 00	Trpm7	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 3957	NM_021450 .1-5738s1c1	588 00	Trpm7	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000002 3971	XM_356879 .1-1227s1c1	383 107	Gm124 7	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 4052	XM_289801 .2-166s1c1	333 716	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4094	NM_010831 .1-1370s1c1	176 91	Snf1lk	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4138	XM_358897 .1-958s1c1	117 229	Stk33	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4145	NM_011492 .1-783s1c1	208 69	Stk11	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4182	NM_178597 .2-716s1c1	123 25	Camk2 g	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4264	NM_027539 .3-1265s1c1	707 62	Dcamk1 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4309	NM_009793 .1-485s1c1	123 26	Camk4	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4368	NM_177357 .2-1388s1c1	239 835	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4384	NM_133926 .1-157s1c1	521 63	Camk1	0.024 44146	1	2.961 49836 5	0.337 66690 9	1.337 65344 4	1.271 10857 1	0.575 52774	0.4197 04394	0.3460 87263	0.7970 42628
TRCN 000002 4385	NM_133926 .1-790s1c1	521 63	Camk1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4534	XM_144303 .2-224s1c1	243 044	UNK	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4643	NM_175154 .2-385s1c1	699 76	Galk2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4850	NM_172134 .1-381s1c1	216 134	Pdxk	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 4971	NM_010693 .1-231s1c1	168 18	Lck	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5001	XM_127605 .4-303s1c1	620 564	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5033	XM_195404 .2-229s1c1	270 366	UNK	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5052	NM_177751 .2-783s1c1	245 684	Cnksr2	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5070	NM_008832 .1-3459s1c1	186 79	Phka1	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5072	NM_008832 .1-2203s1c1	186 79	Phka1	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5088	NM_008841 .1-952s1c1	187 09	Pik3r2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5089	NM_181585 .3-1153s1c1	187 10	Pik3r3	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000002 5236	NM_011840 .1-1853s1c1	239 38	Map2k5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000002 5279	NM_133729 .1-988slcl	704 15	261001 8G03Ri k	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5371	NM_181414 .3-1888slcl	225 326	Pik3c3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5468	NM_173019 .2-1409slcl	270 198	Pfkfb4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5481	NM_007864 .1-745slcl	133 85	Dlgh4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5496	NM_199056 .1-465slcl	756 78	Ippk	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5498	NM_199056 .1-1399slcl	756 78	Ippk	0.009 64913 7	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5654	XM_137065 .4-139slcl	215 946	Gm234	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5665	NM_009974 .2-1274slcl	130 00	Csnk2a 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5691	NM_028776 .3-2181slcl	240 880	Scyl3	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5765	NM_183031 .1-847slcl	321 019	Ebi2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5903	NM_018793 .1-500slcl	547 21	Tyk2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5925	NM_019684 .1-1739slcl	565 04	Stk23	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5940	NM_019635 .1-1519slcl	562 74	Stk3	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 5946	NM_153554 .1-2485slcl	564 54	Aldh18 a1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6074	NM_181444 .3-285slcl	232 431	Gprc5a	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 6093	XM_144956 .2-330slcl	184 30	Oxtr	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6215	NM_207707 .1-963slcl	139 83	Esr2	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6229	NM_007430 .1-623slcl	116 14	Nr0b1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6324	NM_008314 .1-1504slcl	155 63	Htr5a	0.042 00260 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 6356	NM_013596 .1-449slcl	172 03	Mc5r	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6602	NM_018782 .1-704slcl	545 98	Calcr1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6618	NM_009987 .2-1785slcl	130 51	Cx3cr1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6705	NM_201370 .1-443slcl	381 759	BC0528 83	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000002 6713	NM_173032 .1-896slcl	271 981	A63004 7E20Ri k	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6794	NM_008038 .1-648slcl	142 88	Fpr-rs1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 6997	NM_021606 .2-875slcl	591 26	Nek6	0.006 83054 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7064	NM_011281 .1-1133slcl	198 85	Rorc	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7078	NM_011935 .1-887slcl	263 81	Esrrg	0.055 23020 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 7085	NM_146095 .1-614slcl	225 998	Rorb	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 7335	NM_013462 .1-667slcl	115 56	Adrb3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7347	NM_007698 .2-1336slcl	126 69	Chrm1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7435	NM_013533 .2-1923slcl	147 88	Gpr162	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7496	NM_181749 .1-40slcl	217 302	Gpr142	0.026 27218 3	1	19.77 43414 9	0.142 16823 5	1.337 65344 4	8.487 37087 2	0.242 31500 9	0.4197 04394	- 3.0853 1772	2.0450 44326
TRCN 000002 7632	XM_355671 .1-230slcl	381 698	UNK	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7665	NM_010353 .1-1118slcl	148 41	Gsg2	0.018 12608 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7684	NM_019757 .1-316slcl	563 71	Fzr1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7694	XM_140982 .3-336slcl	227 885	LOC22 7885	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7698	XM_110396 .3-2418slcl	745 62	Fer114	0.012 82426 8	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7735	NM_023223 .1-945slcl	107 995	Cdc20	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7747	XM_126673 .4-1539slcl	663 13	Smurf2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7828	NM_053205 .1-395slcl	111 174	Taar1	0.028 39935 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000002 7947	NM_021609 .2-359slcl	592 89	Ccbp2	0.055 23020 3	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000002 7968	NM_028808 .1-374slcl	741 91	P2ry13	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 7986	NM_177764 .2-2817slcl	269 902	D43001 4M15	0.004 06196 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8335	NM_008559 .1-171slcl	171 99	Me1r	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8699	XM_128679 .2-455slcl	782 49	Gpr115	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000002 8746	NM_144944 .2-841s1c1	246 313	Prokr2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8754	NM_198021 .1-1036s1c1	213 326	Scyl2	0.026 27218		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8868	NM_008281 .1-1176s1c1	154 51	Hpn	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8870	NM_008215 .1-529s1c1	151 16	Has1	0.047 71666		1	75.25 67238 2	0.013 28784 9	1.337 65344 4	32.30 10364 7	0.022 64813 5	0.4197 04394	5.0135 08553	- 5.4644 63919
TRCN 000002 8949	NM_021330 .2-389s1c1	114 31	Acp1	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 8992	NM_008960 .1-1239s1c1	192 11	Pten	0.013 83601 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 9841	NM_007955 .2-4971s1c1	139 24	Ptpv	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 9851	NM_010165 .1-1825s1c1	140 49	Eya2	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 9864	NM_008905 .1-3026s1c1	190 24	Ppfibp2	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 9867	NM_008905 .1-2206s1c1	190 24	Ppfibp2	0.009 92209 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000002 9897	NM_008978 .1-803s1c1	192 56	Ptpn20	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0089	NM_028860 .1-3591s1c1	743 02	Mtmr3	0.007 25435 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0100	NM_145441 .2-435s1c1	217 379	Ubx4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0147	NM_146341 .1-715s1c1	258 338	Olf125 9	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0328	NM_146895 .1-560s1c1	258 897	Olf120 1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0370	NM_146966 .1-90s1c1	258 968	Olf124 7	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0526	NM_011183 .1-352s1c1	191 65	Psen2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0654	NM_012033 .2-829s1c1	269 44	Tinag	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 0935	NM_173754 .2-436s1c1	216 835	Usp43	0.033 88675 1		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000003 0937	NM_173754 .2-2901s1c1	216 835	Usp43	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1038	NM_153093 .1-1828s1c1	231 201	AF3662 64	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1049	NM_023217 .2-492s1c1	665 22	Pgpep1	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1146	NM_027286 .1-457s1c1	700 08	Ace2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000003 1147	NM_027286 .1-1051s1c1	700 08	Ace2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1249	NM_010810 .1-378s1c1	173 93	Mmp7	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1265	NM_008608 .2-1652s1c1	173 87	Mmp14	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1349	NM_009636 .1-1442s1c1	115 68	Aebp1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1424	NM_010075 .1-2984s1c1	134 83	Dpp6	0.024 44146 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1475	NM_023143 .1-1907s1c1	509 09	C1r	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1579	XM_134720 .5-1665s1c1	235 130	Adams 15	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1585	XM_284398 .1-595s1c1	330 723	Htra4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1623	NM_025407 .2-554s1c1	222 73	Uqcr1	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1651	NM_145131 .1-435s1c1	696 17	Pitrm1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1709	NM_198662 .1-195s1c1	381 572	943000 7A20Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1787	NM_007403 .1-1956s1c1	115 01	Adam8	0.003 39381 6		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1818	NM_007404 .1-477s1c1	115 02	Adam9	0.065 55215 2		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000003 1849	NM_013640 .1-395s1c1	191 71	Psm10	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1896	NM_009616 .2-184s1c1	114 92	Adam1 9	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1903	NM_175204 .2-715s1c1	739 02	583040 6J20Rik	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 1957	NM_011970 .2-404s1c1	264 45	Psm2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2017	NM_033618 .1-1624s1c1	114 741	Supt16h	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2068	NM_011782 .1-242s1c1	237 94	Adams 5	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2076	NM_023149 .2-892s1c1	660 54	Cndp2	0.017 23540 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2195	NM_016770 .2-1180s1c1	533 20	Folh1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2318	NM_018755 .1-1321s1c1	543 81	Pgcp	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 2501	NM_029831 .1-171s1c1	769 99	170012 7D06Ri k	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000003 2517	NM_020569 .1-244slc1	573 20	Park7	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2531	XM_128466 .1-878slc1	698 14	Prss32	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2578	NM_010084 .1-1995slc1	135 24	Adam1 8	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2618	NM_007765 .3-1896slc1	129 33	Crmp1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2640	NM_009955 .2-186slc1	129 34	Dpysl2	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2669	NM_009468 .1-1594slc1	222 40	Dpysl3	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2838	NM_019724 .2-1874slc1	173 89	Mmp16	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2913	NM_010374 .2-748slc1	149 43	Gzmf	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 2944	NM_010375 .1-358slc1	149 44	Gzmg	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 3070	NM_007919 .1-249slc1	137 06	Ela2a	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 3088	NM_013494 .2-674slc1	128 76	Cpe	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 3090	NM_008794 .1-146slc1	185 54	Pcsk7	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 3215	NM_027604 .2-471slc1	144 79	Usp15	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7060	NM_010316 .2-328slc1	147 04	Gng3	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7090	NM_011880 .1-270slc1	240 12	Rgs7	0.019 11384 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7092	NM_011880 .1-1416slc1	240 12	Rgs7	0.080 61900 3		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	- 99612	0.4128 99612
TRCN 000003 7214	NM_148951 .1-439slc1	209 047	Gipc3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7246	NM_028227 .1-799slc1	723 99	Brap	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7320	NM_020267 .1-922slc1	809 85	Trim44	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 7379	NM_024231 .1-165slc1	819 09	Zfp11	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 9070	NM_013595 .1-554slc1	171 92	Mbd3	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 9139	NM_026366 .1-279slc1	677 68	Hemk2	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000003 9164	NM_028557 .1-440slc1	735 03	Mbd311	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661

TRCN 000003 9194	NM_144871 .2-3165s1c1	225 888	Suv420 h1	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9295	NM_019812 .1-1296s1c1	937 59	Sirt1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9300	NM_178637 .1-1025s1c1	816 01	Htati1	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9358	NM_011842 .2-832s1c1	239 42	Mta2	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9401	NM_008228 .1-1002s1c1	433 759	Hdac1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9419	NM_198251 .1-367s1c1	386 611	Rnf133	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000003 9468	NM_029657 .2-480s1c1	172 37	Mgrn1	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0577	NM_029438 .2-493s1c1	757 88	Smurf1	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0691	NM_009277 .2-1499s1c1	208 21	Trim21	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0744	NM_133206 .1-721s1c1	170 737	Znrf1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0843	NM_153503 .1-946s1c1	699 42	Rnf113 a1	0.008 09105 7	1	4	5	1.337 65344 4	0.669 75337 9	1.092 28003 3	0.4197 04394	- 0.5782 98139	0.1273 42774
TRCN 000004 0845	NM_153503 .1-425s1c1	699 42	Rnf113 a1	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0871	NM_009458 .2-152s1c1	222 10	Ube2b	0.010 51710 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0984	NM_028019 .1-578s1c1	719 56	Rnf135	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 0996	NM_011787 .1-1200s1c1	238 02	Amfr	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1048	NM_172281 .1-1625s1c1	233 900	Rnf40	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1150	NM_145124 .1-2893s1c1	765 80	Mib2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1153	NM_175527 .2-1508s1c1	243 676	E33002 1D16Ri k	0.006 01112	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1164	NM_023835 .1-377s1c1	766 81	Trim12	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1231	XM_356116 .1-666s1c1	382 043	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1267	XM_139735 .2-408s1c1	224 508	LOC22 4508	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1315	XM_356492 .1-93s1c1	382 412	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1342	NM_011830 .2-1069s1c1	239 18	Impdh2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000004 1389	NM_019546 .4-731s1c1	561 89	Prodh2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1391	NM_019546 .4-1227s1c1	561 89	Prodh2	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1530	NM_025348 .1-144s1c1	660 91	Ndufa3	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1567	NM_145518 .1-2017s1c1	227 197	Ndufs1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1583	NM_010475 .1-325s1c1	154 85	Hsd17b 1	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1634	NM_025794 .1-809s1c1	668 41	Etfhd	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1701	NM_013821 .2-534s1c1	154 97	Hsd3b6	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1800	NM_001001 303.1- 548s1c1	407 972	Gapdh	0.007 90862 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1801	NM_001001 303.1- 997s1c1	407 972	Gapdh	0.010 84220 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1877	NM_020282 .2-520s1c1	181 05	Nqo2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1883	NM_008710 .2-4703s1c1	181 15	Nnt	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 1901	NM_175177 .3-340s1c1	719 11	Bdh1	0.065 55215 2	1	1	3.415 04418	1.337 65344 4	0.429 21130 3	5.820 68483 4	0.4197 04394	- 1.2202 40027	2.5411 88904
TRCN 000004 1942	NM_134006 .3-235s1c1	196 82	Rdh5	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2028	NM_138745 .1-2015s1c1	108 156	Mthfd1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2125	NM_133679 .1-451s1c1	666 09	Cryz1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2269	NM_020611 .3-831s1c1	573 57	Srd5a2l	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2309	NM_026219 .1-139s1c1	675 30	Uqerb	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2446	NM_030254 .2-1007s1c1	802 86	Tusc3	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2447	NM_030254 .2-367s1c1	802 86	Tusc3	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2642	NM_011808 .1-471s1c1	238 71	Ets1	0.012 37192 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2718	NM_026810 .1-580s1c1	173 50	Mlh1	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000004 2785	NM_019511 .1-215s1c1	560 89	Ramp3	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4403	NM_025273 .1-559s1c1	131 80	Pcbd1	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000005 4448	NM_010431 .1-2364s1c1	152 51	Hif1a	0.030 90133 2		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000005 4451	NM_010431 .1-1842s1c1	152 51	Hif1a	0.010 84220 2		1	1		1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4504	NM_008943 .1-1076s1c1	191 64	Psen1	0.021 45181 9		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4505	NM_008943 .1-1742s1c1	191 64	Psen1	0.016 42815 1		1	1.280 21405 2	64.44 83951 1	1.337 65344 4	0.549 48234 1	109.8 47421 1	0.4197 04394	- 0.8638 54978	6.7793 57189
TRCN 000005 4512	NM_007907 .1-1133s1c1	136 29	Eef2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4545	NM_145830 .1-272s1c1	110 147	Ehmt2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4568	NM_182990 .1-1193s1c1	208 33	Ssrp1	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4654	NM_011097 .1-1070s1c1	187 40	Pitx1	0.010 51710 6		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4666	NM_148930 .2-930s1c1	834 86	Rbm5	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4726	NM_011785 .2-410s1c1	237 97	Akt3	0.047 71666 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4736	NM_008138 .2-1037s1c1	146 78	Gnai2	0.004 36527 8		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4774	NM_011567 .1-1107s1c1	216 79	Tead4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4775	NM_011567 .1-1071s1c1	216 79	Tead4	0.080 61900 3		1	1	18.50 90703	1.337 65344 4	0.429 21130 3	31.54 73121 7	0.4197 04394	- 1.2202 40027	4.9794 45188
TRCN 000005 4784	NM_023794 .2-485s1c1	104 156	Etv5	0.024 44146 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 4871	NM_008268 .1-849s1c1	154 13	Hoxb5	0.021 45181 9		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000005 4883	NM_010296 .1-2473s1c1	146 32	Gli1	0.016 42815 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 5134	NM_134032 .1-676s1c1	103 889	Hoxb2	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 5172	NM_010460 .1-2617s1c1	154 15	Hoxb7	0.037 51071 1		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000005 5203	NM_010591 .1-1272s1c1	164 76	Jun	0.009 39079 9		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 5245	NM_009687 .1-881s1c1	117 92	Apex1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000005 5384	NM_008548 .2-2314s1c1	171 55	Man1a	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5373	NM_134103 .1-613s1c1	161 80	Il1rap	0.037 51071 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5390	NM_010560 .2-617s1c1	161 95	Il6st	0.047 71666 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000006 5596	XM_137493 .3-405slcl	184 13	Osm	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5607	NM_053151 .1-443slcl	939 68	Klra21	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5709	NM_007557 .2-1448slcl	121 62	Bmp7	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5794	NM_027562 .1-757slcl	708 09	Clec2g	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5800	NM_019971 .2-1872slcl	546 35	Pdgfc	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5801	NM_019971 .2-1418slcl	546 35	Pdgfc	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5834	NM_011578 .2-2193slcl	218 14	Tgfb3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5839	XM_132882 .2-685slcl	125 15	Cd69	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 5875	NM_007677 .1-112slcl	264 37	Psg17	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6187	NM_013693 .1-392slcl	219 26	Tnf	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6296	NM_008711 .1-78slcl	181 21	Nog	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6387	NM_010109 .2-327slcl	136 40	Efna5	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6397	NM_007657 .3-677slcl	125 27	Cd9	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6454	NM_010385 .1-457slcl	149 76	H2-Ke2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6554	NM_010531 .1-669slcl	160 68	Il18bp	0.080 61900 3	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000006 6564	NM_023124 .2-328slcl	150 19	H2-Q8	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6693	XM_194289 .2-398slcl	269 799	Clec4a1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6704	NM_133193 .1-598slcl	107 527	Il1rl2	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6706	NM_133193 .1-479slcl	107 527	Il1rl2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6724	NM_007768 .2-512slcl	129 44	Crp	0.002 91442 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6777	NM_009417 .2-1892slcl	220 18	Tpo	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6788	NM_010198 .1-430slcl	141 66	Fgf11	0.028 39935 3	1	1	4.622 56626 9	1.337 65344 4	0.429 21130 3	7.878 81502 1	0.4197 04394	- 1.2202 40027	2.9779 78664
TRCN 000006 6797	NM_010561 .1-1295slcl	162 01	Ilf3	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000006 6833	NM_010819 .2-1094slcl	174 74	Clec4d	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6866	NM_178687 .1-271slcl	225 825	Cd226	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6905	NM_207648 .1-300slcl	110 557	H2-Q6	0.018 12608 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000006 6972	NM_080729 .1-458slcl	140 806	Il25	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 6989	NM_010201 .2-665slcl	141 69	Fgf14	0.018 12608 5	1	1.560 42810 4	0.640 84977 5	1.337 65344 4	0.669 75337 9	1.092 28003 3	0.4197 04394	- 0.5782 98139	0.1273 42774
TRCN 000006 7020	NM_009780 .1-4279slcl	122 68	C4b	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7049	NM_010554 .3-420slcl	161 75	Il1a	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7073	NM_007781 .1-1278slcl	129 84	Csf2rb2	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7141	NM_008004 .2-771slcl	141 71	Fgf17	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7211	NM_008176 .1-124slcl	148 25	Cxcl1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7241	NM_008003 .1-253slcl	141 70	Fgf15	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7394	NM_207105 .1-226slcl	149 61	H2-Ab1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7470	NM_007707 .2-859slcl	127 02	Socs3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7500	NM_010382 .1-334slcl	149 69	H2-Eb1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7504	NM_010558 .1-324slcl	161 91	Il5	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7579	NM_010549 .1-426slcl	161 57	Il11ra1	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7582	NM_010549 .1-826slcl	161 57	Il11ra1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7627	NM_010550 .2-741slcl	161 58	Il11ra2	0.037 51071 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7638	NM_009842 .1-1346slcl	124 76	Cd151	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7640	NM_009842 .1-1026slcl	124 76	Cd151	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7644	NM_008373 .1-367slcl	161 98	Il9	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7692	NM_053094 .1-1375slcl	936 71	Cd163	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7762	NM_133990 .3-516slcl	161 64	Il13ra1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000006 7951	NM_008493 .3-109slc1	168 46	Lep	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 7995	NM_008501 .1-577slc1	168 78	Lif	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8051	NM_013652 .1-323slc1	203 03	Ccl4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8105	NM_008365 .1-559slc1	161 82	Il18r1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8161	NM_031162 .1-349slc1	125 03	Cd247	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8239	XM_128030 .2-1271slc1	757 66	Tm7sf4	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8399	NM_008433 .2-1037slc1	165 34	Kcnn4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8484	NM_080440 .1-2595slc1	110 893	Slc8a3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8632	NM_021398 .1-586slc1	582 07	Slc43a3	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8684	NM_175130 .2-2386slc1	686 67	Trpm4	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8726	NM_008124 .2-481slc1	146 18	Gjb1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8756	NM_008125 .2-557slc1	146 19	Gjb2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8758	XM_145875 .1-129slc1	233 649	Cnga4	0.017 23540 1	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000006 8837	NM_183285 .1-760slc1	703 82	Kctd2	0.028 39935 3	1	1	2.811 28313 5	1.337 65344 4	0.429 21130 3	4.791 61974 1	0.4197 04394	- 1.2202 40027	2.2605 13422
TRCN 000006 8881	NM_028981 .1-122slc1	122 89	Cacna1 d	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 8971	NM_172476 .2-286slc1	209 760	Tmc7	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9223	NM_175429 .3-956slc1	207 474	Kctd12 b	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9252	NM_153522 .1-336slc1	235 281	Scn3b	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9326	NM_010597 .2-881slc1	164 97	Kcnab1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9372	NM_021415 .2-5352slc1	582 26	Cacna1 h	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9410	NM_007711 .1-2404slc1	127 25	Clen3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9423	XM_354643 .1-804slc1	380 728	LOC38 0728	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9530	NM_173417 .1-627slc1	238 076	Kcns3	0.011 95040 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000006 9615	XM_357350 .1-607slc1	383 962	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9766	NM_008427 .2-258slc1	165 20	Kcnj4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9854	NM_009208 .1-1389slc1	205 36	Slc4a3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000006 9866	NM_172426 .1-2093slc1	763 76	Slc24a2	0.042 00260 5	1	2.120 85620 9	0.471 50768 4	1.337 65344 4	0.910 29545 6	0.803 64923 1	0.4197 04394	- 0.1355 93216	- 0.3153 6215
TRCN 000006 9939	XM_356113 .1-431slc1	382 039	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0070	NM_172523 .1-165slc1	214 084	Slc18a2	0.022 84926 3	1	1.280 21405 2	1.252 72882 5	1.337 65344 4	0.549 48234 1	2.135 18165 1	0.4197 04394	- 0.8638 54978	1.0943 58813
TRCN 000007 0122	XM_484499 .1-267slc1		UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0272	NM_007885 .1-650slc1	135 21	Slc26a2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0329	XM_485785 .1-237slc1	434 043	UNK	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0519	NM_010692 .2-597slc1	168 15	Lbx2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0533	NM_010710 .2-2000slc1	168 70	Lhx2	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0630	NM_010056 .2-307slc1	133 95	Dlx5	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0647	NM_007957 .1-1170slc1	139 84	Esx1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0671	NM_008677 .1-787slc1	179 72	Ncf4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 0698	NM_016670 .2-100slc1	187 71	Pknox1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1020	NM_178309 .1-1435slc1	237 911	Brip1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1076	NM_001003 919.1- 2778slc1	320 209	Ddx11	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1097	NM_197982 .2-1362slc1	682 78	Ddx39	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1360	NM_181854 .1-1989slc1	101 994	D8Erd1 457e	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1400	NM_011416 .2-2621slc1	671 55	Smarca 2	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1421	NM_146081 .1-1871slc1	703 51	Ppp4r1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1461	NM_009671 .2-210slc1	117 36	Ankfy1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 1688	NM_194054 .1-3522slc1	685 85	Rtn4	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000007 1750	NM_015814 .2-377slcl	507 81	Dkk3	0.047 71666	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 1893	NM_009480 .1-591slcl	222 78	Usf1	0.065 55215	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 1952	NM_011594 .2-623slcl	218 58	Timp2	0.055 23020	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 2006	NM_053202 .1-1289slcl	108 655	Foxp1	0.033 88675	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 2031	NM_032396 .2-1428slcl	840 35	Kremen 1	0.065 55215	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 2059	NM_009041 .1-748slcl	196 84	Rdx	0.021 45181	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 2061	NM_009041 .1-478slcl	196 84	Rdx	0.047 71666	1	2	5	1.337 65344	0.549 48234	1.331 35896	0.4197 04394	- 0.8638 54978	0.4128 99612		
TRCN 000007 2075	NM_009391 .2-216slcl	193 84	Ran	0.047 71666	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 2077	NM_009391 .2-655slcl	193 84	Ran	0.010 84220	1	1	9	43.86 70341	1.337 65344	0.429 21130	74.76 80460	- 1.2202 40027	6.2243 49927		
TRCN 000007 2175	NM_053157 .1-376slcl	940 43	Tm2d1	0.055 23020	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5393	NM_008817 .2-5697slcl	186 16	Peg3	0.015 69313	1	1	3	56.54 60161	1.337 65344	0.429 21130	96.37 84130	- 1.2202 40027	6.5906 38141		
TRCN 000007 5396	NM_008817 .2-660slcl	186 16	Peg3	0.042 00260	1	3	7	43.59 25359	0.881 64599	1.337 65344	18.71 04091	1.502 69900	0.4197 04394	4.2257 69201	0.5875 5606
TRCN 000007 5400	NM_008553 .2-670slcl	171 72	Ascl1	0.030 90133	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5453	NM_007792 .2-678slcl	130 08	Csrp2	0.028 39935	1	1	6	11.26 39377	1.337 65344	0.429 21130	19.19 85310	- 1.2202 40027	4.2629 24024		
TRCN 000007 5563	NM_010688 .2-2493slcl	167 96	Lasp1	0.016 42815	1	2	5	1.280 21405	0.781 11937	1.337 65344	0.549 48234	1.331 35896	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000007 5605	NM_053075 .2-339slcl	197 44	Rheb	0.080 61900	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5721	NM_007494 .2-617slcl	118 98	Ass1	0.065 55215	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5791	NM_145211 .1-731slcl	246 730	Oas1a	0.080 61900	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5800	NM_009272 .2-939slcl	208 10	Srm	0.080 61900	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5814	NM_145227 .1-1021slcl	246 728	Oas2	0.055 23020	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 5942	NM_021288 .2-448slcl	221 71	Tyms	0.065 55215	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 6049	NM_019455 .2-111slcl	544 86	Ptgds2	0.080 61900	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		
TRCN 000007 6063	NM_144823 .1-1863slcl	216 739	Acsl6	0.042 00260	1	1	1	1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661		

TRCN 000007 6073	NM_178053 .2-1545s1c1	217 214	Nags	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6079	NM_026144 .2-225s1c1	674 22	Dhdds	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6106	NM_027862 .1-339s1c1	716 79	Atp5h	0.055 23020 3	1	1	2.207 52209	1.337 65344 4	0.429 21130 3	3.762 55464 8	0.4197 04394	- 1.2202 40027	1.9117 12536
TRCN 000007 6108	NM_201408 .1-1019s1c1	330 817	Dhps	0.016 42815 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6244	NM_138651 .2-715s1c1	110 911	Cds2	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6281	NM_009653 .1-837s1c1	116 56	Alas2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6298	NM_024471 .2-1477s1c1	794 64	Lias	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6422	NM_130452 .1-973s1c1	170 442	Bbox1	0.009 39079 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6694	NM_010729 .2-865s1c1	169 49	Lox11	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6707	NM_053083 .1-1468s1c1	675 73	Lox14	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6772	NM_028765 .1-1110s1c1	741 21	Acox1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6784	NM_007946 .1-279s1c1	138 61	Epx	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6825	NM_012045 .2-236s1c1	269 71	Pla2g2f	0.015 02107 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 6826	NM_012045 .2-234s1c1	269 71	Pla2g2f	0.021 45181 9	1	2	1.280 21405 11937	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000007 6974	NM_032465 .1-1752s1c1	845 44	Cd96	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7030	NM_009846 .1-281s1c1	124 84	Cd24a	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7036	NM_009690 .1-286s1c1	118 01	Cd51	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7183	NM_023871 .2-1428s1c1	560 86	Set	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7192	NM_011637 .6-522s1c1	220 40	Trex1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7198	NM_010957 .2-1347s1c1	182 94	Ogg1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7202	NM_010957 .2-504s1c1	182 94	Ogg1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7222	NM_019743 .2-461s1c1	563 53	Rybp	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7365	NM_024495 .2-171s1c1	719 34	Car13	0.042 00260 5	1	2	1.280 21405 11937	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612

TRCN 000007 7462	NM_008331 .1-621s1c1	159 57	Ifit1	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7498	NM_026967 .3-935s1c1	691 59	Rhebl1	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7509	NM_023526 .2-654s1c1	697 21	Nkiras1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7630	NM_145217 .2-541s1c1	208 666	Diras1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7640	NM_145999 .2-1934s1c1	214 952	Rhot2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7696	NM_145839 .1-916s1c1	320 292	Rasgef1 b	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7748	NM_025846 .1-2015s1c1	669 22	Rras2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7787	NM_007634 .2-1175s1c1	124 49	Ccnf	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 7791	NM_009831 .1-866s1c1	124 50	Ccng1	0.010 51710 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 8757	NM_007463 .2-3921s1c1	117 90	Spep	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 8852	NM_023336 .2-517s1c1	673 82	Brd3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 8954	XM_485396 .2-141s1c1	433 718	UNK	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 8967	NM_008882 .1-6013s1c1	188 45	Plxna2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 8973	NM_175437 .2-3141s1c1	212 167	A53008 8I07Rik	0.014 40421 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9162	NM_026229 .1-1381s1c1	675 49	Gpr89	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9259	NM_009201 .1-1722s1c1	205 14	Slc1a5	0.080 61900 3	1	1.560 42810 4	1.027 76990 5	1.337 65344 4	0.669 75337 9	1.751 75616 7	0.4197 04394	- 0.5782 98139	0.8088 01975
TRCN 000007 9358	NM_019503 .2-279s1c1	561 88	Fxyd1	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9419	NM_022004 .5-254s1c1	590 95	Fxyd6	0.055 23020 3	1	9.452 65462 9		1.337 65344 4	0.429 21130 3	16.11 13357 7	0.4197 04394	- 1.2202 40027	4.0100 04206
TRCN 000007 9474	NM_009508 .1-680s1c1	223 48	Slc32a1	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9503	NM_177732 .2-1797s1c1	242 585	Slc35d1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9517	NM_172773 .1-723s1c1	235 504	Slc17a5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9575	NM_009579 .2-1673s1c1	227 82	Slc30a1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9584	NM_020516 .2-1435s1c1	572 74	Slc16a8	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000007 9611	NM_172371 .1-628slc1	693 09	Slc16a1 3	0.033 88675 1				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9667	NM_011731 .2-288slc1	225 99	Slc6a20	0.003 64038				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9782	NM_012037 .1-1105slc1	269 49	Vat1	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9833	NM_178703 .2-369slc1	232 333	Slc6a1	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9957	NM_011464 .1-103slc1	207 33	Spint2	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000007 9964	NM_007376 .1-1475slc1	112 87	Pzp	0.006 83054				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0019	NM_177829 .2-678slc1	328 971	A23009 1H23Ri k	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0023	NM_007443 .1-454slc1	116 99	Ambp	0.030 90133 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0199	NM_026323 .1-464slc1	677 01	Wfdc2	0.028 39935 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0281	NM_028623 .2-617slc1	737 20	Cst6	0.022 84926 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0500	NM_009257 .2-877slc1	207 24	Serpina 5	0.022 84926 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0555	XM_195629 .1-61slc1	269 859	LOC26 9859	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0606	NM_023595 .3-566slc1	110 074	Dut	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0611	NM_133201 .1-1516slc1	170 731	Mfn2	0.033 88675 1				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0621	NM_172707 .1-875slc1	190 46	Ppp1cb	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0662	NM_010567 .1-1653slc1	163 32	Inpp1l	0.047 71666				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0679	NM_010146 .1-483slc1	138 53	Epm2a	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0695	XM_125594 .4-531slc1	209 558	Enpp3	0.024 44146 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0703	NM_033134 .2-3959slc1	644 36	Inpp5e	0.001 54960 1		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 0716	NM_173745 .3-695slc1	752 19	Dusp18	0.015 02107 4				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0748	XM_143732 .3-274slc1	689 17	Hint2	0.047 71666				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0859	XM_142281 .5-1229slc1	237 178	Ppef1	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0934	NM_010210 .1-673slc1	141 98	Fhit	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000008 0945	NM_153420 .1-526slcl	235 534	Acpl2	0.010 84220 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0965	NM_153561 .1-47slcl	229 228	Nudt6	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 0975	NM_026295 .2-1030slcl	676 55	Ctdp1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1032	NM_013849 .2-716slcl	273 89	Dusp13	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1083	NM_026447 .2-1620slcl	679 05	Ppm1m	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1101	XM_358316 .3-357slcl	779 80	Sbf1	0.042 00260 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 1253	NM_011155 .1-937slcl	190 60	Ppp5c	0.009 92209 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1311	NM_020271 .2-724slcl	570 28	Pdxp	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1441	NM_176833 .2-950slcl	686 06	Ppm1f	0.007 25435 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1465	NM_025869 .1-581slcl	669 59	Dusp26	0.013 83601 5	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 1504	NM_007431 .1-1067slcl	116 47	Akp2	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1535	NM_008239 .3-1287slcl	152 20	Foxq1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1583	NM_175466 .2-3956slcl	228 491	643060 1A21Ri k	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1588	NM_027547 .1-1912slcl	707 79	Prdm5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1617	NM_031494 .1-651slcl	270 81	Zfp275	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1651	NM_178733 .3-1148slcl	243 906	Zfp14	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1682	NM_010118 .1-788slcl	136 54	Egr2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1716	NM_030557 .2-1301slcl	807 32	Mynn	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1724	NM_013608 .2-558slcl	179 38	Naca	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1767	NM_024204 .3-216slcl	520 24	Ankrd2 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1771	NM_007442 .1-772slcl	116 95	Alx4	0.033 88675 1	1	4.362 56862 6	0.644 41006 6	1.337 65344 4	1.872 46376 3	1.098 34827 9	0.4197 04394	- 0.9049 37799	0.1353 35596
TRCN 000008 1795	NM_020331 .1-1893slcl	570 80	Gtf2ird 1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 1824	NM_010895 .2-856slcl	180 13	Neurod 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000008 1936	NM_080444 .2-1245slc1	117 590	Asb10	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 2044	NM_019507 .1-1005slc1	577 65	Tbx21	0.021 45181 9		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 2075	NM_023755 .1-598slc1	818 79	Tcfcp2l 1	0.018 12608 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 2215	NM_021441 .1-2394slc1	213 41	Taf1c	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 2272	NM_172575 .1-628slc1	246 196	Zfp277	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 2321	NM_009317 .2-336slc1	213 50	Tal2	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4196	NM_009718 .2-558slc1	119 24	Neurog 2	0.024 44146 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4241	NM_033270 .1-764slc1	504 96	E2f6	0.003 36129 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4262	NM_025289 .1-863slc1	213 76	Tbgr1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4282	NM_007520 .1-1657slc1	120 13	Bach1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4304	NM_028245 .1-293slc1	724 65	Zfp131	0.065 55215 2		1	1	2.811 28313 5	1.337 65344 4	0.429 21130 3	4.791 61974 1	0.4197 04394	1.2202 40027	- 2.2605 13422
TRCN 000008 4306	NM_028245 .1-1125slc1	724 65	Zfp131	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4352	NM_022015 .2-761slc1	638 56	Tbn	0.006 33692 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4362	NM_011534 .1-807slc1	213 84	Tbx15	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4379	NM_009554 .1-641slc1	226 96	Zfp37	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4382	NM_009554 .1-1282slc1	226 96	Zfp37	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4385	NM_053123 .3-700slc1	937 61	Smarca 1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4420	NM_174852 .2-2307slc1	268 448	Phf12	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4455	NM_007966 .1-1001slc1	140 28	Evx1	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4476	NM_028301 .1-609slc1	726 15	Anks3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4556	NM_009056 .1-713slc1	197 25	Rfx2	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000008 4595	NM_007528 .1-770slc1	120 29	Bcl6b	0.080 61900 3		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	- 0.4128 99612
TRCN 000008 4649	NM_144515 .1-1626slc1	227 10	Zfp52	0.006 9662		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661

TRCN 000008 4652	NM_144515 .1-1627s1c1	227 10	Zfp52	0.008 28210 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4702	NM_009990 .1-2552s1c1	269 713	Cyln2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4713	NM_007548 .1-3347s1c1	121 42	Prdm1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4724	NM_013519 .1-645s1c1	142 34	Foxc2	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4758	NM_053008 .1-1733s1c1	942 22	Olig3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4807	NM_009562 .1-2357s1c1	227 20	Zfp62	0.010 84220 2	1	60.12 5165	0.016 63197 1	1.337 65344 4	25.80 64003 9	0.028 34793 8	0.4197 04394	4.6896 57016	- 5.1406 12382
TRCN 000008 4808	NM_009821 .1-3265s1c1	123 94	Runx1	0.012 37192 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4852	NM_011542 .1-730s1c1	214 01	Tcea3	0.008 48239 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4908	NM_175480 .3-829s1c1	234 725	Zfp612	0.010 51710 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4910	NM_175480 .3-1252s1c1	234 725	Zfp612	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 4930	NM_011764 .2-948s1c1	227 51	Zfp90	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5013	NM_146221 .2-2632s1c1	235 028	Zfp426	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5023	NM_009567 .2-2681s1c1	227 55	Zfp93	0.004 31161 8	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5059	NM_009329 .2-654s1c1	214 08	Zfp354 a	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5061	NM_009329 .2-954s1c1	214 08	Zfp354 a	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5062	NM_009329 .2-957s1c1	214 08	Zfp354 a	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5078	NM_009568 .1-1753s1c1	227 56	Zfp94	0.008 69261 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5196	NM_144809 .1-767s1c1	213 389	Prdm9	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5242	NM_016849 .2-646s1c1	541 31	Irf3	0.026 27218	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 5280	NM_133971 .1-273s1c1	102 334	Ankrd1 0	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5398	NM_144546 .2-1161s1c1	104 349	Zfp119	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5409	NM_017467 .1-3083s1c1	542 01	Zfp316	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 5419	NM_008090 .3-1382s1c1	144 61	Gata2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000008 5469	NM_019426 .2-458slcl	543 43	Atf7ip	0.080 61900 3	1	1.560 42810 4	58.29 19491 4	1.337 65344 4	0.669 75337 9	99.35 42239 8	0.4197 04394	- 0.5782 98139	6.6345 09399
TRCN 000008 5566	NM_008602 .2-1366slcl	173 44	Pias2	0.005 90983 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5612	NM_031198 .1-1019slcl	214 26	Tcfec	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5622	NM_177092 .2-593slcl	320 183	Msr3	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5710	NM_009236 .1-1191slcl	206 72	Sox18	0.026 27218 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5711	NM_009236 .1-1041slcl	206 72	Sox18	0.005 62548 8	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5889	NM_027007 .1-1218slcl	692 56	Zfp397	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 5923	NM_017463 .1-1688slcl	185 15	Pbx2	0.005 81191 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6009	NM_029947 .1-499slcl	776 30	Prdm8	0.019 11384 2	1	1.560 42810 4	0.640 84977 5	1.337 65344 4	0.669 75337 9	1.092 28003 3	0.4197 04394	- 0.5782 98139	0.1273 42774
TRCN 000008 6036	NM_019816 .1-567slcl	563 21	Aatf	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6068	NM_172545 .1-4567slcl	776 83	Ehmt1	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000008 6093	NM_145916 .1-2297slcl	223 669	Zfp7	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6182	NM_009366 .1-409slcl	218 07	Tsc22d 1	0.026 27218 1	1	37.42 78267 8	0.026 71808 9	1.337 65344 4	16.06 44462 9	0.045 53896 4	0.4197 04394	4.0057 9935	4.4567 54715
TRCN 000008 6215	NM_027264 .1-296slcl	699 30	Zfp715	0.037 51071 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6252	NM_010402 .2-334slcl	151 11	Hand2	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6277	NM_194063 .1-290slcl	382 209	Rhox3	0.037 51071 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6291	NM_008224 .2-1298slcl	151 61	Hcfc1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6422	NM_025900 .1-579slcl	110 052	Dek	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6438	NM_010569 .2-3434slcl	163 48	Invs	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6464	NM_130895 .1-1629slcl	110 532	Adarb1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6537	NM_009281 .2-205slcl	208 41	Zfp143	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6559	NM_008098 .2-365slcl	144 89	Mtpn	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000008 6611	XM_283603 .2-1464slcl	167 64	Aff3	0.003 56635 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661

TRCN 000008 6712	XM_138237 .3-883slcl	238 393	Serpina 3f	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6781	XM_487608 .1-494slcl	435 633	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6787	NM_010684 .1-742slcl	167 83	Lamp1	0.008 09105 7	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6808	NM_181399 .2-3762slcl	989 10	Usp6nl	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6825	NM_177201 .2-734slcl	320 595	Phf8	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6828	NM_011802 .1-2110slcl	270 166	Clpx	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 6843	NM_177378 .2-1451slcl	330 812	Rnf150	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7083	NM_176848 .1-1078slcl	230 904	Fbxo2	0.005 81191 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7309	XM_486135 .1-388slcl	434 331	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7319	XM_485820 .2-3668slcl	434 082	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7335	XM_145260 .2-181slcl	194 360	LOC19 4360	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7415	XM_147971 .3-427slcl	224 147	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7561	NM_144946 .2-1128slcl	246 317	Neto1	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7566	NM_012001 .1-619slcl	268 91	Cops4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7693	XM_485296 .1-219slcl	433 642	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7754	NM_015754 .1-196slcl	264 50	Rbbp9	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7784	NM_133350 .1-424slcl	100 732	Mapre3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 7953	XM_487970 .1-474slcl	435 923	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8022	NM_025945 .2-519slcl	670 65	Polr3d	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8027	NM_030070 .1-2085slcl	782 57	Lrrc9	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8170	NM_011232 .1-371slcl	193 55	Rad1	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8248	NM_030261 .2-1724slcl	757 47	Sesn3	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8251	NM_030261 .2-1351slcl	757 47	Sesn3	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000008 8286	XM_484219 .1-147s1c1	432 728	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8364	NM_011408 .1-874s1c1	205 56	Slfn2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8390	XM_485694 .1- 10813s1c1	433 959	UNK	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8394	NM_009413 .1-666s1c1	219 87	Tpd521 1	0.065 55215 2	1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 8449	NM_011799 .2-236s1c1	238 34	Cdc6	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8479	NM_198094 .1-520s1c1	572 61	Brd4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8528	NM_022986 .2-886s1c1	650 99	Irak1bp 1	0.009 14593 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8532	NM_022986 .2-404s1c1	650 99	Irak1bp 1	0.020 21545 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8546	NM_145527 .2-1915s1c1	228 355	Madd	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8631	NM_031376 .1-1464s1c1	834 90	Pik3ap1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8736	NM_011862 .1-557s1c1	239 70	Pacsin2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8817	NM_010070 .3-1364s1c1	134 48	Dok1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8923	NM_009520 .2-2685s1c1	224 14	Wnt2b	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8955	NM_009375 .1-1762s1c1	218 19	Tgn	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 8993	XM_486519 .1-413s1c1	434 655	UNK	0.080 61900 3	1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000008 9103	NM_010784 .4-842s1c1	172 42	Mdk	0.080 61900 3	1	1	5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000008 9140	NM_008848 .1-272s1c1	187 29	Pira6	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9213	NM_017369 .1-241s1c1	144 04	Gabre	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9287	NM_010171 .2-923s1c1	140 66	F3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9411	NM_008068 .1-945s1c1	143 99	Gabra6	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9414	NM_010273 .1-400s1c1	145 67	Gdi1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9423	NM_009131 .1-1201s1c1	202 56	Clec11a	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9526	NM_008542 .2-1181s1c1	171 30	Smad6	0.011 95040 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000008 9609	NM_010668 .1-1331s1c1	166 81	Krt2-17	0.021 45181 9			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9641	XM_484859 .2-77s1c1	433 297	LOC43 3297	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9684	NM_008476 .3-886s1c1	166 87	Krt2-6a	0.047 71666 1			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000008 9962	NM_007871 .1-1574s1c1	134 30	Dnm2	0.065 55215 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0148	NM_009509 .1-2652s1c1	223 49	Vill1	0.065 55215 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0162	XM_488371 .1-99s1c1	436 224	UNK	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0178	NM_134156 .1-3071s1c1	109 711	Actn1	0.011 95040 5			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0181	NM_134156 .1-788s1c1	109 711	Actn1	0.021 45181 9		1.280 21405 2		0.781 11937 5		1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 0294	NM_001004 365.1- 763s1c1	242 894	Actr3b	0.030 90133 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0334	NM_011123 .1-346s1c1	188 23	Plp1	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0409	XM_357880 .2-448s1c1	756 77	Cldn22	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0567	NM_016799 .1-736s1c1	517 96	Srrm1	0.033 88675 1			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0574	NM_008909 .1-5269s1c1	190 41	Ppl	0.037 51071 1			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0642	XM_485326 .1-620s1c1	433 670	UNK	0.030 90133 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0748	NM_027721 .1-1325s1c1	712 06	311002 3G01Ri k	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0753	XM_204283 .3-1081s1c1	723 33	Palld	0.033 88675 1			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0754	XM_204283 .3-1738s1c1	723 33	Palld	0.013 31094 4			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0757	XM_204283 .3-748s1c1	723 33	Palld	0.024 44146 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0766	NM_021608 .2-573s1c1	592 88	Dctn5	0.030 90133 2			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0912	NM_008446 .1-2352s1c1	165 71	Kif4	0.055 23020 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 0945	NM_010629 .1-1292s1c1	165 79	Kifap3	0.037 51071 1			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1097	NM_028805 .1-1982s1c1	741 87	Katnb1	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1135	XM_203357 .5-1164s1c1	217 328	Myo15 b	0.080 61900 3			1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 1247	NM_033374 .1-2001s1c1	941 76	Dock2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1262	NM_133357 .1-786s1c1	109 052	Krtcap1	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1270	NM_144872 .1-2341s1c1	225 898	Eml3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1291	NM_011699 .2-224s1c1	223 43	Lin7c	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1303	XM_126653 .4-2133s1c1	734 70	Kif2b	0.065 55215 2	1.840 64215		6	0.543 28865	1.337 65344 4	0.790 02441	0.925 99447	0.4197 04394	- 0.3400 30851	- 0.1109 24515
TRCN 000009 1325	XM_488368 .1-481s1c1	436 222	LOC43 6222	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1381	NM_008444 .2-850s1c1	165 69	Kif3b	0.007 25435 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1495	NM_026220 .2-423s1c1	675 32	Mfap1	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1496	NM_026220 .2-1291s1c1	675 32	Mfap1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1537	NM_009933 .1-825s1c1	128 33	Col6a1	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1618	NM_009386 .1-5678s1c1	218 72	Tjp1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1902	NM_175836 .1-4980s1c1	207 42	Spnb2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 1981	NM_198031 .1-806s1c1	259 279	Tubgcp 3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2054	XM_487528 .1-109s1c1	435 561	LOC43 5561	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2144	NM_177162 .2-339s1c1	320 454	993003 2O22Ri k	0.000 17738 6		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2166	NM_028835 .1-452s1c1	742 44	Atg7	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2199	XM_283777 .3-247s1c1	782 40	Cst11	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2215	XM_485580 .2-143s1c1	433 861	UNK	0.007 40755 7		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2368	XM_127569 .6-441s1c1	218 779	UNK	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2542	XM_144523 .3-2335s1c1	308 41	Fbx110	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2562	XM_489354 .1-141s1c1	434 815	UNK	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2648	NM_009126 .2-1308s1c1	202 48	Serp1nb 3a	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2722	NM_178192 .1-71s1c1	326 619	Hist1h4 a	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 2768	NM_178211 .1-69s1c1	319 160	Hist1h4 k	0.065 55215 2	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 2786	NM_175657 .1-70s1c1	319 161	Hist1h4 m	0.080 61900 3	1	1.280 21405 2	1.252 72882 5	1.337 65344 4	0.549 48234 1	2.135 18165 1	0.4197 04394	- 0.8638 54978	1.0943 58813
TRCN 000009 2892	NM_015781 .2-836s1c1	536 05	Nap11l	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 2907	NM_138742 .1-1596s1c1	545 61	Nap113	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3114	XM_484228 .1-441s1c1	432 734	UNK	0.055 23020 3	1	1.280 21405 2	1.252 72882 5	1.337 65344 4	0.549 48234 1	2.135 18165 1	0.4197 04394	- 0.8638 54978	1.0943 58813
TRCN 000009 3272	NM_175007 .1-603s1c1	218 038	Amph	0.016 42815 1	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 3295	NM_013841 .1-1538s1c1	223 65	Vps45	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3315	NM_031393 .1-594s1c1	269 589	Syt1l	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3321	NM_018758 .1-1187s1c1	572 67	Apba3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3421	NM_145535 .1-624s1c1	228 765	Sdcbp2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3443	NM_013757 .1-1207s1c1	273 59	Syt14	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3476	NM_020578 .1-1837s1c1	574 40	Ehd3	0.047 71666	1	1	2.207 52209	1.337 65344 4	0.429 21130 3	3.762 55464 8	0.4197 04394	- 1.2202 40027	1.9117 12536
TRCN 000009 3545	NM_207214 .1-2006s1c1	105 504	Exoc5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3633	NM_018875 .1-152s1c1	559 88	Snx12	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3734	NM_009143 .2-1019s1c1	203 16	Sdf2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3784	NM_173030 .1-2306s1c1	271 786	Galnt13	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3806	NM_172822 .1-1692s1c1	239 827	Pigz	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3896	NM_145619 .2-595s1c1	235 587	Parp3	0.007 56737 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3909	NM_152811 .1-1724s1c1	717 73	Ugt2b1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 3954	NM_201643 .1-1813s1c1	394 433	Ugt1a5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 4078	NM_145467 .1-1443s1c1	223 272	Itgb1l	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 4186	NM_053127 .1-2048s1c1	938 73	Pcdhb2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 4262	NM_130448 .2-3052s1c1	731 73	Pcdh18	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 4345	NM_019634 .1-113slc1	219 12	Tspan7	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4444	NM_053140 .2-2582slc1	938 86	Pcdhb1 5	0.010 84220 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4598	NM_027839 .1-216slc1	716 01	Ceacam 20	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4639	NM_008524 .1-1535slc1	170 22	Lum	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4674	NM_011800 .2-3471slc1	238 36	Cdh20	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4676	NM_011800 .2-1140slc1	238 36	Cdh20	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4706	NM_019753 .2-277slc1	125 57	Cdh17	0.065 55215 2		1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	1.2202 40027	- 43862	1.4507 84661
TRCN 000009 4872	NM_001003 671.1- 1067slc1	353 236	Pcdhac 1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 4916	NM_053129 .2-2223slc1	938 75	Pcdhb4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5096	NM_175557 .3-1455slc1	269 800	Zfp384	0.026 27218		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5170	NM_177737 .2-638slc1	243 373	AI8547 03	0.017 23540 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5191	NM_145078 .1-1085slc1	112 422	261030 5D13Ri k	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5245	NM_008328 .1-1172slc1	159 50	Ifi203	0.030 90133 2		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	- 99612	0.4128 84661
TRCN 000009 5281	NM_011424 .1-2088slc1	206 02	Ncor2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5300	NM_027654 .1-600slc1	710 41	Pcgef6	0.013 83601 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5348	NM_199062 .1-369slc1	331 188	BC0240 63	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5373	NM_010637 .1-730slc1	166 00	Klf4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5388	NM_011274 .2-832slc1	197 77	C80913	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5405	NM_013886 .3-471slc1	298 77	Hdgfrp 3	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5462	NM_022981 .3-1660slc1	650 20	Zfp110	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5563	NM_001005 425.1- 340slc1	381 405	Gm100 8	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5564	NM_001005 605.1- 1822slc1	115 69	Aebp2	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661
TRCN 000009 5566	NM_001005 605.1- 1422slc1	115 69	Aebp2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661	0.7692 84661

TRCN 000009 5648	NM_001025 373.1- 594s1c1	746 70	493043 2O21Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5656	NM_029162 .1-1433s1c1	750 79	Zfp509	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5659	NM_181274 .2-2302s1c1	668 69	120000 3I07Rik	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5660	NM_181274 .2-1998s1c1	668 69	120000 3I07Rik	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5662	NM_181274 .2-780s1c1	668 69	120000 3I07Rik	0.026 27218		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5686	NM_007715 .4-1991s1c1	127 53	Clock	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5791	XM_138685 .3-552s1c1	238 690	Zfp458	0.080 61900 3		1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 5801	NM_026057 .1-349s1c1	672 55	Zfp422	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5802	NM_026057 .1-352s1c1	672 55	Zfp422	0.018 12608 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5822	NM_001008 501.1- 682s1c1	240 034	BC0291 03	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5844	NM_021788 .1-991s1c1	604 06	Sap30	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5895	NM_001004 362.1- 338s1c1	721 28	261000 8E11Ri k	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5944	NM_024250 .3-506s1c1	720 57	Phf10	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 5967	NM_178364 .3-229s1c1	170 936	Zfp369	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6037	NM_172392 .2-2177s1c1	268 670	BC0282 65	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6039	NM_026896 .1-1010s1c1	689 75	Crsp8	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6053	NM_008543 .1-2069s1c1	171 31	Smad7	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6060	NM_010459 .3-565s1c1	154 12	Hoxb4	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6063	NM_010459 .3-569s1c1	154 12	Hoxb4	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6244	NM_011981 .4-2038s1c1	264 66	Zfp260	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6245	NM_011981 .4-1621s1c1	264 66	Zfp260	0.015 69313 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6299	NM_009558 .2-2490s1c1	227 09	Zfp51	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6300	NM_009558 .2-1649s1c1	227 09	Zfp51	0.033 88675 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 6302	NM_009558 .2-1650slcl	227 09	Zfp51	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6309	NM_133228 .2-2377slcl	170 763	Zfp87	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6311	NM_133228 .2-302slcl	170 763	Zfp87	0.009 14593 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6325	NM_025882 .1-286slcl	669 79	Pole4	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6326	NM_025882 .1-334slcl	669 79	Pole4	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6416	NM_009550 .1-1012slcl	226 78	Zfp2	0.026 27218	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000009 6417	NM_009550 .1-1011slcl	226 78	Zfp2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6463	NM_011772 .1-954slcl	227 81	Zfpn1a 4	0.009 39079 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6526	NM_007690 .1-1100slcl	126 48	Chd1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6598	NM_009822 .1-1320slcl	123 95	Runx1t 1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6711	NM_008699 .2-441slcl	180 89	Nkx2-3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6736	NM_021307 .1-739slcl	577 45	Zfp112	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6743	NM_173368 .2-2791slcl	713 89	Chd6	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6838	NM_019711 .1-76slcl	565 16	Rbms2	0.014 40421 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6848	NM_007916 .1-791slcl	136 80	Ddx19a	0.014 40421 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 6877	NM_026030 .1-699slcl	672 04	Eif2s2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7024	NM_178189 .2-1235slcl	319 164	Hist1h2 ac	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7030	NM_175660 .1-309slcl	319 172	Hist1h2 ab	0.065 55215 2	1	1.280 21405	0.781 11937	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 7111	NM_008163 .2-723slcl	147 84	Grb2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7121	XM_359390 .1-76slcl	386 546	UNK	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7142	NM_153514 .3-2501slcl	246 710	Rhobtb 2	0.011 18803 7	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7206	NM_010346 .1-995slcl	147 86	Grb7	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7238	NM_146124 .2-1502slcl	228 359	Arhgap 1	0.008 48239 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 7260	NM_021279 .3-141s1c1	224 08	Wnt1	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7269	NM_013501 .1-378s1c1	129 54	Cryaa	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7310	NM_001017 984.1- 2356s1c1	270 120	Fat3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7345	NM_197944 .1-274s1c1	209 488	Hsh2d	0.065 55215 2	1	2	5	1.337 65344 4	0.549 48234 1	2.135 18165 1	0.4197 04394	- 0.8638 54978	1.0943 58813
TRCN 000009 7465	NM_010924 .1-525s1c1	181 13	Nnmt	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7537	NM_027853 .1-160s1c1	716 64	Mettl7b	0.055 23020 3	1	4	5	1.337 65344 4	0.669 75337 9	1.092 28003 3	0.4197 04394	- 0.5782 98139	0.1273 42774
TRCN 000009 7677	NM_177575 .2-538s1c1	194 456	UNK	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7688	NM_010128 .3-542s1c1	137 30	Emp1	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7720	NM_019460 .1-1437s1c1	546 50	Sfmbt1	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7724	NM_019460 .1-1973s1c1	546 50	Sfmbt1	0.016 42815 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7800	NM_010167 .2-3132s1c1	140 51	Eya4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7810	NM_016867 .1-1025s1c1	541 20	Gipc2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7880	NM_174857 .1-2857s1c1	717 38	Mamdc 2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7925	NM_144761 .1-270s1c1	129 65	Crygb	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7947	NM_026700 .2-445s1c1	700 28	Dopey2	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7951	NM_025498 .2-263s1c1	663 40	Psenen	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7969	NM_009389 .1-958s1c1	218 87	Tle3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7983	NM_175143 .2-1795s1c1	692 32	261002 8H07Ri k	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 7999	NM_013883 .1-1405s1c1	298 71	Scmh1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 8132	NM_183170 .1-477s1c1	234 384	BC0512 27	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 8207	NM_015772 .2-3297s1c1	505 24	Sall2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 8287	NM_011600 .2-1877s1c1	218 88	Tle4	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000009 8476	NM_021503 .1-337s1c1	590 06	Myoz2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000009 8677	NM_010160 .1-497slcl	140 07	Cugbp2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 8681	NM_031159 .2-971slcl	118 10	Apobec 1	0.047 71666		1	1	2.811 28313 5	1.337 65344 4	0.429 21130 3	4.791 61974 1	0.4197 04394	- 1.2202 40027	2.2605 13422	
TRCN 000009 8698	NM_172434 .1-1236slcl	787 84	Tnrc4	0.021 45181 9		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 8731	NM_026962 .1-719slcl	691 49	Kbtbd3	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 8806	NM_145477 .1-439slcl	223 774	Alg12	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9000	NM_026490 .2-381slcl	562 84	Mrpl19	0.065 55215 2		1		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000009 9255	NM_012017 .1-999slcl	269 19	Zfp346	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9259	NM_012017 .1-333slcl	269 19	Zfp346	0.008 28210 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9285	NM_172715 .2-234slcl	231 510	A23009 7K15Ri k	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9465	NM_026401 .1-1344slcl	678 40	Mrp63	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9641	NM_028459 .1-650slcl	731 78	Wasl	0.005 36724 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9765	NM_029906 .1-943slcl	773 97	953000 3J23Rik	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9776	NM_029612 .2-529slcl	983 65	Slamf9	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9933	NM_178247 .2-266slcl	347 708	Dppa1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9953	NM_027375 .2-3612slcl	702 97	Gcc2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000009 9982	NM_028528 .1-883slcl	733 88	170005 8C13Ri k	0.021 45181 9		1		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 0017	NM_011248 .1-851slcl	196 49	Robo3	0.028 39935 3		1		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 0033	NM_145437 .1-251slcl	217 305	473242 9D16Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000010 0106	NM_009302 .2-756slcl	209 47	Swap70	0.012 37192 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000010 0120	NM_010738 .2-545slcl	110 454	Ly6a	0.016 42815 1		1	1	2.811 28313 5	1.337 65344 4	0.429 21130 3	4.791 61974 1	0.4197 04394	- 1.2202 40027	2.2605 13422	
TRCN 000010 0190	NM_146058 .1-1064slcl	223 631	BC0254 46	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000010 0204	NM_177981 .1-1654slcl	151 14	Hap1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000010 0310	NM_028809 .1-997slcl	741 92	Arpc5l	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	

TRCN 000010 0318	NM_016760 .1-217slcl	127 57	Clta	0.080 61900 3		1 2	1.280 21405 5	0.781 11937 4	1.337 65344 1	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 0401	NM_029494 .2-719slcl	759 85	Rab30	0.047 71666 1	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0430	NM_172440 .1-3154slcl	207 227	Stxbp5l	0.055 23020 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0510	NM_027135 .2-3605slcl	696 08	Sec24d	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0669	NM_010762 .2-484slcl	171 53	Mal	0.003 56635 2	1 1	5.203 21078 2	22.93 52931 9		1.337 65344 4	2.233 27687 8	39.09 14747 2	0.4197 04394	1.1591 62125	5.2887 82106
TRCN 000010 0699	NM_027295 .1-597slcl	100 972	Rab28	0.055 23020 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0861	NM_008996 .2-581slcl	193 24	Rab1	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0928	NM_019718 .2-366slcl	563 50	Arl3	0.021 45181 9	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 0933	NM_133887 .2-868slcl	100 226	Stx12	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1134	NM_008768 .1-169slcl	184 05	Orm1	0.033 88675 1	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1249	NM_010918 .2-2355slcl	180 87	Nktr	0.047 71666 1	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1318	NM_026845 .1-409slcl	688 16	Ppil1	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1456	NM_009293 .1-1140slcl	209 05	Sts	0.080 61900 3	1 1	1.280 21405 2	0.781 11937 5		1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000010 1619	NM_027669 .1-463slcl	710 89	493341 3B09Ri k	0.020 21545 6	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1746	NM_133995 .1-707slcl	103 149	Upb1	0.019 11384 2	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1783	NM_144921 .1-232slcl	232 975	Atp1a3	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1866	NM_213616 .1-268slcl	381 290	Atp2b4	0.065 55215 2	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 1995	NM_177002 .2-1166slcl	319 800	C73004 8C13Ri k	0.007 90862 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 2070	NM_011622 .1-1792slcl	219 68	Tom1	0.065 55215 2	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 2091	NM_172776 .1-1155slcl	236 293	D63000 2G06Ri k	0.065 55215 2	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 2092	NM_172776 .1-1156slcl	236 293	D63000 2G06Ri k	0.021 45181 9	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 2198	NM_028777 .1-858slcl	741 36	Sec14l1	0.055 23020 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 2266	NM_016813 .2-331slcl	533 19	Nxf1	0.080 61900 3	1 1	1 1			1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661

TRCN 000010 2328	NM_010158 .1-1226slcl	139 92	Khdrbs 3	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2340	NM_053104 .3-2793slcl	936 86	Rbm9	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2349	NM_007705 .1-574slcl	126 96	Crirbp	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2409	NM_021881 .1-1081slcl	193 17	Qk	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2422	NM_009273 .2-280slcl	208 13	Srp14	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2455	NM_207515 .1-3907slcl	105 559	Mbnl2	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2477	NM_025814 .1-855slcl	668 70	Serbp1	0.007 25435	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2580	NM_153591 .2-2753slcl	244 141	Nars2	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2604	NM_133691 .1-724slcl	679 59	241010 4I19Rik	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2608	NM_029453 .1-668slcl	758 20	493051 1H01Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2668	NM_032544 .2-1304slcl	703 59	Gtpbp3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2784	NM_199013 .1-720slcl	210 145	Irgcl	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2903	NM_008167 .1-407slcl	148 04	Grid2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2955	NM_007390 .2-1704slcl	114 41	Chrna7	0.024 44146 2	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	- 1.4507 43862
TRCN 000010 2958	NM_007390 .2-377slcl	114 41	Chrna7	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 2964	NM_020274 .2-592slcl	570 14	Htr3b	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3041	NM_008166 .1-1793slcl	148 03	Grid1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3073	NM_026619 .1-678slcl	682 14	Gsto2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3102	NM_010362 .1-244slcl	148 73	Gsto1	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3305	NM_174995 .1-508slcl	211 666	Mgst2	0.030 90133 2	1	14.73 04885 6	0.313 80943 4	1.337 65344 4	6.322 49218 2	0.534 86447 5	0.4197 04394	- 2.6604 93348	- 0.9027 54711
TRCN 000010 3476	NM_144826 .2-160slcl	216 987	Utp6	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3545	NM_001013 756.1- 2498slcl	230 824	Grhl3	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3675	NM_023626 .3-1787slcl	717 77	Ing3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000010 3711	NM_010029 .1-1732slcl	132 06	Ddx4	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3729	NM_027328 .2-426slcl	689 88	Prpf31	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3764	NM_030215 .2-1579slcl	789 03	Wrnip1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3780	NM_010882 .2-1295slcl	179 84	Ndn	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3783	NM_010882 .2-659slcl	179 84	Ndn	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3929	NM_183113 .1-2472slcl	757 21	493241 4N04Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 3964	NM_009032 .1-375slcl	196 53	Rbm4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4078	NM_144958 .2-84slcl	136 81	Eif4a1	0.013 31094 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4138	NM_026069 .1-127slcl	672 81	Rpl37	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4142	NM_207635 .1-229slcl	200 88	Rps24	0.042 00260 5	1	1.280 21405	0.781 11937	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 4275	NM_009079 .2-862slcl	199 34	Rpl22	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4295	NM_009098 .2-131slcl	201 16	Rps8	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4324	NM_009076 .1-369slcl	269 261	Rpl12	0.002 77602 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4385	NM_024212 .2-1346slcl	678 91	Rpl4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4562	NM_025877 .3-1060slcl	669 72	Slc25a2 3	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4683	NM_028643 .1-412slcl	685 14	Efha1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4750	NM_021611 .1-629slcl	593 10	Mylc2p l	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4765	NM_138304 .1-522slcl	756 00	Calml4	0.055 23020 3	1	1.280 21405	0.781 11937	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 4837	NM_145123 .2-1935slcl	728 32	Crtac1	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4943	NM_175183 .2-2128slcl	725 22	Atxn7l2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 4955	NM_029460 .1-756slcl	758 35	170010 8E19Ri k	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5009	NM_028139 .1-230slcl	721 74	Atxn7l4	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5092	NM_177820 .2-1094slcl	328 561	913021 8O11Ri k	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000010 5172	NM_133808 .2-1814s1c1	110 611	Hdlbp	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5203	NM_138955 .2-661s1c1	192 663	Abcg4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5206	NM_007385 .2-278s1c1	114 25	Apoc4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5262	NM_008992 .1-90s1c1	193 00	Abcd4	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5383	NM_015767 .1-812s1c1	505 00	Ttpa	0.080 61900 3	1.280 21405 2	1		0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000010 5402	XM_359383 .1-208s1c1	744 38	493340 2J24Rik	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5404	XM_359383 .1-216s1c1	744 38	493340 2J24Rik	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5574	NM_009034 .2-173s1c1	196 60	Rbp2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5617	NM_029959 .1-218s1c1	777 04	Lcn9	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5656	NM_199302 .1-1306s1c1	227 738	Lrsam1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5674	NM_022654 .1-2588s1c1	579 13	Lrdd	0.007 25435 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5698	XM_194109 .2-1151s1c1	789 08	Igsf3	0.037 51071 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5702	NM_175413 .1-1090s1c1	109 245	Lrrc39	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5727	NM_001005 508.1- 376s1c1	226 652	Arhgap 30	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5737	NM_010949 .1-411s1c1	182 22	Numb	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5738	NM_010949 .1-851s1c1	182 22	Numb	0.047 71666 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5773	NM_010571 .1-1359s1c1	163 69	Irs3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5822	NM_010572 .2-3619s1c1	163 70	Irs4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5826	NM_018832 .1-357s1c1	546 34	Pdzx	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 5959	NM_144828 .1-857s1c1	190 49	Ppp1r1 b	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 6028	NM_178119 .2-1036s1c1	347 722	Centg2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 6044	NM_013862 .3-1971s1c1	298 09	Rabgap 1l	0.010 51710 6		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 6059	NM_023879 .1-2492s1c1	779 45	Rpgrip1	0.080 61900 3		1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862

TRCN 000010 6077	NM_173431 .1-105slcl	244 585	170004 7E16Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000010 6106	NM_172579 .1-1463slcl	217 692	Sipa1l1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 6357	NM_009341 .1-2107slcl	214 62	Tcp10c	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 6393	NM_009433 .2-863slcl	221 10	Tspyl1	0.026 27218		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 6526	NM_009685 .1-1691slcl	117 85	Apbb1	0.024 44146 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 6560	NM_013928 .2-877slcl	309 53	Schip1	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8501	NM_008377 .1-671slcl	162 06	Lrig1	0.024 44146 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8579	NM_033605 .2-991slcl	938 37	Dach2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8590	NM_133772 .1-154slcl	769 00	Ssbp4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8595	NM_024272 .2-1352slcl	669 70	Ssbp2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8659	NM_029013 .1-249slcl	745 89	493342 8M03Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 8662	NM_009416 .2-500slcl	220 04	Tpm2	0.080 61900 3		1	1	4.018 80522 5	1.337 65344 4	0.429 21130 3	6.849 74992 8	0.4197 04394	1.2202 40027	2.7760 51319
TRCN 000010 8769	NM_022024 .1-370slcl	639 86	Gmfg	0.012 37192 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9112	NM_021510 .1-647slcl	590 13	Hnrph1	0.022 84926 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9121	NM_009227 .1-149slcl	206 43	Snrpe	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9141	NM_173374 .2-588slcl	110 809	Sfrs1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9210	NM_177214 .3-6591slcl	320 632	Ascc3l1	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9226	NM_027541 .2-749slcl	707 67	Prpf3	0.000 59515 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9236	NM_178164 .1-1688slcl	230 257	Rod1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9242	NM_031179 .1-2777slcl	818 98	Sf3b1	0.080 61900 3		1	4.922 99673	0.203 12830 9	1.337 65344 4	2.113 00584	0.346 21685 8	0.4197 04394	1.0792 96754	1.5302 5212
TRCN 000010 9278	NM_011750 .1-1759slcl	226 68	Sfl	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9381	NM_021532 .2-1671slcl	590 36	Dact1	0.013 31094 4		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000010 9412	NM_007615 .1-2545slcl	123 88	Ctnd1	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661

TRCN 000010 9455	NM_016697 .2-1974s1c1	147 34	Gpc3	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9492	NM_009398 .1-631s1c1	219 30	Tnfaip6	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9646	NM_001004 366.1- 588s1c1	268 935	Scube3	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9666	NM_010217 .1-572s1c1	142 19	Ctgf	0.011 95040 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9692	NM_026206 .1-332s1c1	675 05	Prlpo	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9752	NM_011815 .1-157s1c1	238 80	Fyb	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9862	NM_013766 .1-445s1c1	273 72	Prlpj	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000010 9909	NM_001004 435.1- 1794s1c1	104 709	BB2203 80	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0024	NM_008001 .2-2243s1c1	141 63	Fgd1	0.065 55215 2	1	1.560 42810	0.640 84977 5	1.337 65344 4	0.669 75337 9	1.092 28003 3	0.4197 04394	- 0.5782 98139	0.1273 42774
TRCN 000011 0084	NM_019671 .1-356s1c1	563 49	Net1	0.026 27218	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0169	NM_173445 .1-1844s1c1	269 955	Rccd1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0385	NM_145838 .1-1350s1c1	241 230	St8sia6	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0516	NM_009498 .3-285s1c1	223 19	Vamp3	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0636	NM_009791 .2-6180s1c1	123 16	Aspm	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0648	NM_009891 .1-604s1c1	126 47	Chat	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0678	NM_133781 .2-190s1c1	122 83	Cab39	0.065 55215 2	1	3.241 71241 7	0.308 47893 7	1.337 65344 4	1.391 37960 9	0.525 77904 6	0.4197 04394	- 0.4765 16083	0.9274 71449
TRCN 000011 0789	NM_018821 .2-1585s1c1	546 07	Socs6	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0878	NM_183036 .1-32s1c1	360 212	Defb38	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 0897	NM_011166 .1-303s1c1	191 11	Prlpb	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0911	NM_027450 .2-314s1c1	384 009	Glipr2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 0963	NM_025470 .1-202s1c1	662 89	181003 0J14Rik	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1055	NM_172912 .3-4312s1c1	244 562	Abcc12	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1068	NM_018795 .1-3446s1c1	274 21	Abcc6	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000011 1091	NM_011134 .1-803slc1	189 79	Pon1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1163	NM_008715 .2-1201slc1	181 30	Ints6	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1174	NM_019636 .1-864slc1	579 15	Tbc1d1	0.024 44146 2	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000011 1348	NM_177546 .2-463slc1	236 899	Pcyl1b	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1351	NM_175399 .2-448slc1	109 075	Exosc4	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1426	NM_009086 .1-2225slc1	200 17	Rpol-2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1478	NM_175460 .3-875slc1	226 518	Nmnat2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1479	NM_175460 .3-654slc1	226 518	Nmnat2	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1614	NM_175079 .1-458slc1	211 232	Cpne9	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1629	NM_177333 .2-1910slc1	211 446	Exoc3	0.015 02107 4	1	5.203 21078 2	0.192 18902 4	1.337 65344 4	2.233 27687 8	0.327 57167 3	0.4197 04394	1.1591 62125	- 1.6101 17491
TRCN 000011 1642	NM_021305 .2-1162slc1	577 43	Sec61a 2	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 1699	NM_021392 .2-642slc1	117 81	Ap4m1	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 1860	NM_010219 .2-1708slc1	142 28	Fkbp4	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1936	NM_199029 .1-287slc1	380 912	Zfp395	0.028 39935 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 1955	NM_194262 .1-5028slc1	942 46	Arid4b	0.004 20816 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1957	NM_194262 .1-3990slc1	942 46	Arid4b	0.016 42815 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1958	NM_194262 .1-1006slc1	942 46	Arid4b	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 1991	NM_025799 .2-1292slc1	668 48	Fuca2	0.065 55215 2	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 2014	NM_024199 .1-1140slc1	673 37	Cstf1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2112	NM_199318 .1-965slc1	382 890	A93001 8M24Ri k	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2125	NM_008343 .1-747slc1	160 09	Igfbp3	0.019 11384 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2202	NM_172338 .1-2069slc1	214 063	Dnajc1 6	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2256	NM_016965 .1-133slc1	508 84	Nckap1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000011 2415	NM_008379 .2-2836slcl	162 11	Kpnb1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2470	NM_025835 .1-2095slcl	669 04	Pccb	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2522	NM_027438 .1-912slcl	704 81	Pnma1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2572	NM_198193 .1-763slcl	379 043	Raet1e	0.013 31094 4	1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 2580	NM_009362 .1-273slcl	217 84	Tff1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2611	NM_009017 .1-204slcl	193 69	Raet1b	0.080 61900 3	1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 2658	NM_198093 .2-685slcl	140 580	Elmo1	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2672	NM_008191 .1-371slcl	149 16	Guca2b	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2677	NM_008190 .1-328slcl	149 15	Guca2a	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2735	NM_053201 .2-3248slcl	107 528	Magee1	0.010 84220 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2737	NM_053201 .2-2690slcl	107 528	Magee1	0.026 27218 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2738	NM_053201 .2-1033slcl	107 528	Magee1	0.026 27218 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2745	NM_020015 .1-262slcl	171 37	Magea1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2880	NM_172846 .1-1750slcl	240 960	A23007 9K17Ri k	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2922	NM_023063 .1-1832slcl	659 70	Lima1	0.065 55215 2	1	2	2.122 71160 9	1.337 65344 4	7.404 93152 7	3.618 00158 9	0.4197 04394	2.8884 86395	1.8551 93041
TRCN 000011 2968	NM_010656 .1-309slcl	166 51	Sspn	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 2995	NM_019942 .2-1382slcl	565 26	39330	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3011	NM_027883 .2-2083slcl	717 23	Dhx34	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3168	NM_009681 .2-420slcl	117 77	Ap3s1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3200	NM_145368 .2-1394slcl	209 186	C73003 6D15Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3226	NM_026319 .1-851slcl	676 94	Iff74	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3340	NM_021449 .1-1422slcl	587 99	Crbn	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 3355	NM_173405 .1-2159slcl	231 842	653040 1C20Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000011 3422	NM_013454 .2-2191s1c1	113 03	Abca1	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 84661
TRCN 000011 3502	NM_010212 .1-443s1c1	142 00	Fhl2	0.028 39935 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 3527	NM_010213 .1-333s1c1	142 01	Fhl3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 3547	NM_001008 705.1- 298s1c1	231 889	Bud31	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 3979	NM_013544 .2-87s1c1	149 85	H2- M10.1	0.037 51071 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 3984	NM_008204 .1-298s1c1	149 90	H2-M2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4006	NM_201611 .1-1250s1c1	399 549	H2- M10.6	0.065 55215 2		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 4038	NM_010397 .2-538s1c1	150 39	H2-T22	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4104	NM_001024 702.1- 55s1c1	239 659	C1q4	0.037 51071 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4165	NM_146141 .1-804s1c1	747 76	Ppa2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4183	XM_139909 .2-525s1c1	206 09	Sstr5	0.003 04075 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4231	NM_013604 .1-211s1c1	178 27	Mtx1	0.042 00260 5		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 4243	NM_009463 .2-1078s1c1	222 27	Ucp1	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4360	NM_029173 .1-446s1c1	751 24	493051 9N16Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4376	NM_016792 .2-2087s1c1	533 82	Txn11	0.047 71666 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4435	NM_011797 .1-788s1c1	238 31	Car14	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4443	NM_007606 .2-231s1c1	123 50	Car3	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4465	NM_009801 .3-217s1c1	123 49	Car2	0.021 45181 9		1	1	23.33 91586 6	1.337 65344 4	0.429 21130 3	39.77 98329 2	0.4197 04394	1.2202 40027	5.3139 65311
TRCN 000011 4549	NM_029578 .2-898s1c1	763 55	Tgds	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4562	NM_026443 .3-470s1c1	679 00	170002 0C11Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4587	NM_028108 .2-688s1c1	721 17	Nat13	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661
TRCN 000011 4632	NM_025832 .2-2503s1c1	668 97	Narg11	0.042 00260 5		1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000011 4659	NM_178117 .2-1350s1c1	269 211	BC0359 47	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	0.7692 84661

TRCN 000011 4684	NM_027241 .1-650s1c1	698 70	Polr3gl	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 4776	NM_028472 .1-3282s1c1	732 30	Bmper	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 4789	NM_010917 .1-2274s1c1	180 73	Nid1	0.022 84926 3	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862	
TRCN 000011 4797	NM_010517 .2-825s1c1	160 10	Igfbp4	0.080 61900 3	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862	
TRCN 000011 4838	NM_026029 .1-329s1c1	672 01	270008 5E05Ri k	0.017 23540 1	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 4977	NM_001008 548.1- 1900s1c1	207 728	Pde2a	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5025	NM_212440 .1-429s1c1	229 898	Gbp5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5038	NM_172777 .1-1476s1c1	236 573	BC0571 70	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5064	NM_018734 .2-946s1c1	559 32	Gbp4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5245	NM_019685 .1-903s1c1	565 05	Ruvbl1	0.006 9662	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5250	NM_023042 .1-1385s1c1	196 91	Recql	0.007 90862 3	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 5258	NM_011304 .1-761s1c1	201 74	Ruvbl2	0.012 37192 5	1	1	2.811 28313 5	1.337 65344 4	0.429 21130 3	4.791 61974 1	0.4197 04394	- 1.2202 40027	2.2605 13422	
TRCN 000011 5313	NM_138750 .1-2600s1c1	192 212	Prom2	0.080 61900 3	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 5315	NM_138750 .1-2599s1c1	192 212	Prom2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5502	NM_146254 .1-400s1c1	242 584	Wdr78	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 5557	NM_194343 .1-787s1c1	229 644	Trim45	0.080 61900 3	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 9315	NM_001029 836.1- 551s1c1	114 249	Npnt	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 9318	NM_008891 .1-1039s1c1	189 49	Pnn	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 9319	NM_008891 .1-1582s1c1	189 49	Pnn	0.014 40421 1	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 9320	NM_008891 .1-441s1c1	189 49	Pnn	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 9465	NM_183175 .2-460s1c1	239 126	Clqmf9	0.055 23020 3	1	2	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000011 9489	NM_175690 .1-1179s1c1	319 301	A73002 7B03Ri k	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	
TRCN 000011 9659	NM_181849 .1-524s1c1	110 135	Fgb	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661	

TRCN 000011 9760	NM_178788 .2-650slc1	320 685	Dctd	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9772	NM_007398 .2-1432slc1	114 86	Ada	0.028 39935 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9791	NM_146214 .1-126slc1	234 724	Tat	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9825	NM_011068 .1-129slc1	186 31	Pex11a	0.028 39935 3	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000011 9928	NM_011603 .2-626slc1	237 336	Tbpl1	0.030 90133 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9970	NM_011264 .1-6474slc1	197 14	Rev3l	0.007 25435 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9974	NM_030229 .2-850slc1	789 29	Polr3h	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000011 9975	NM_030229 .2-609slc1	789 29	Polr3h	0.015 69313 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0038	NM_144940 .1-1457slc1	243 537	Uroc1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0059	NM_028009 .1-729slc1	106 707	Rpusd1	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0076	NM_007998 .3-1126slc1	141 51	Fech	0.042 00260 5	1	1	12.47 14598 5	1.337 65344 4	0.429 21130 3	21.25 66612 3	0.4197 04394	- 1.2202 40027	4.4098 43107
TRCN 000012 0112	NM_027945 .1-1046slc1	718 32	Csl	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0150	NM_016669 .1-284slc1	129 71	Crym	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0180	NM_053234 .1-52slc1	113 861	Vlrc4	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0217	NM_145396 .3-144slc1	213 773	Tb13	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0243	NM_181276 .1-358slc1	353 165	Tas2r13 6	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0263	NM_009442 .1-1370slc1	221 30	Ttf1	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0299	NM_019570 .3-774slc1	562 10	Rev1l	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0385	NM_145519 .1-603slc1	227 377	Farp2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0409	NM_013847 .2-297slc1	269 12	Gcat	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0501	NM_178884 .2-3138slc1	987 33	AW822 216	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0522	NM_173182 .1-6085slc1	720 07	Fndc3b	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0574	NM_010473 .1-842slc1	154 64	Hrc	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000012 0583	NM_011870 .2-367s1c1	239 91	Cib1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0597	NM_029850 .2-1982s1c1	770 45	Bcl7a	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0806	NM_133755 .1-2505s1c1	742 37	Tubgcp 2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0892	NM_178851 .1-2944s1c1	269 338	Vps39	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0952	XM_126554 .5-3633s1c1	784 55	Helz	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 0981	NM_133816 .1-1950s1c1	984 02	Sh3bp4	0.021 45181 9		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1001	NM_029759 .2-395s1c1	768 24	241016 6I05Rik	0.033 88675 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1008	NM_178635 .2-605s1c1	786 10	Uvrag	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1360	NM_145448 .2-1701s1c1	217 830	903061 7O03Ri k	0.011 55666 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1427	NM_172564 .1-3974s1c1	217 169	Tns4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1429	NM_172564 .1-1428s1c1	217 169	Tns4	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 1492	NM_001013 375.1- 1822s1c1	217 109	Utp18	0.008 28210 5		1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000012 3391	NM_013671 .3-562s1c1	206 56	Sod2	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3394	NM_030168 .2-6240s1c1	787 57	492150 5C17Ri k	0.030 90133 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3469	NM_007564 .2-2100s1c1	121 92	Zfp361l	0.015 02107 4		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3484	NM_026455 .2-1553s1c1	679 22	251004 9I19Rik	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3506	NM_144802 .2-739s1c1	726 92	Hnrpll	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3511	NM_026313 .1-415s1c1	676 84	330000 1P08Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3522	NM_026181 .1-1940s1c1	674 71	Gpatc1	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3612	NM_025680 .2-1548s1c1	666 42	Ctnnb1l	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3643	NM_011431 .2-2542s1c1	206 24	Eftud2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3688	NM_025299 .1-417s1c1	273 66	Txn14	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3690	NM_028597 .1-869s1c1	736 66	Thoc3	0.011 95040 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000012 3704	NM_029012 .2-1895s1c1	745 85	Spp13	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3757	NM_172605 .2-956s1c1	219 249	Tdrd3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3786	NM_027481 .1-1584s1c1	706 16	Sf4	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3790	NM_146032 .3-459s1c1	217 337	Srp68	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3807	NM_030560 .2-2331s1c1	807 44	BC0039 93	0.014 40421 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3821	NM_009774 .2-381s1c1	122 37	Bub3	0.020 21545 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3836	NM_009702 .1-3826s1c1	118 34	Aqr	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3876	NM_026780 .1-538s1c1	685 92	Syf2	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 3926	NM_008626 .1-1177s1c1	175 34	Mrc2	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4059	NM_016916 .2-1378s1c1	536 19	Blcap	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4152	NM_172549 .2-1914s1c1	104 248	Cabin1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4222	NM_176979 .4-219s1c1	235 559	Topbp1	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4266	NM_001014 394.1- 976s1c1	381 628	Gpr113	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4375	NM_029468 .1-719s1c1	758 71	493056 6A11Ri k	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4389	NM_011266 .2-2498s1c1	197 27	Rfxank	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4405	NM_181664 .1-339s1c1	114 570	Crip3	0.018 12608 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4425	NM_028766 .1-1029s1c1	741 22	Tmem4 3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4447	NM_145356 .3-695s1c1	207 259	Zbtb7c	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4572	NM_033509 .2-1738s1c1	938 40	Ltap	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4636	NM_009750 .1-360s1c1	120 70	Ngfrap1	0.042 00260 5	1	19.21 39133 9	0.052 04561 8	1.337 65344 4	8.246 82879 5	0.088 70782 5	0.4197 04394	- 3.0438 39457	- 3.4947 94823
TRCN 000012 4637	NM_009750 .1-510s1c1	120 70	Ngfrap1	0.016 42815 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4662	NM_011020 .3-631s1c1	184 15	Hspa41	0.006 9662	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4663	NM_011020 .3-1035s1c1	184 15	Hspa41	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000012 4668	NM_010946 .2-211slcl	182 03	Ntan1	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4695	NM_170777 .3-339slcl	661 26	Elof1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4783	NM_021385 .1-1147slcl	581 86	Rad18	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 4824	NM_134210 .1-377slcl	171 244	Vlrg9	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5003	NM_133970 .1-577slcl	521 20	D8Ert 354e	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5070	NM_010822 .2-555slcl	268 395	Mpg	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5080	NM_007791 .2-253slcl	130 07	Csrp1	0.010 51710 6	1	1	9	9.452 65462 4	1.337 65344 3	0.429 21130 7	16.11 13357 04394	- 1.2202 40027	4.0100 04206
TRCN 000012 5262	NM_134173 .1-464slcl	171 191	Vlrc18	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5384	NM_026058 .2-1998slcl	672 60	Lass4	0.006 45351 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5412	NM_173437 .1-979slcl	215 690	Nav1	0.080 61900 3	1	4	4	8.005 35130 63134 65344 4	1.331 1.337 3.435 98726 66503 04394	2.269 66503 6	1.7807 24688	1.1824 79396	
TRCN 000012 5539	NM_026573 .1-1550slcl	681 34	Upf3b	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5568	NM_025736 .1-368slcl	667 36	492153 1G14Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5586	NM_134206 .1-93slcl	171 240	Vlrg5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5709	NM_134193 .1-29slcl	171 227	Vlre4	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5714	NM_009259 .3-222slcl	207 37	Spn	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5716	NM_009259 .3-440slcl	207 37	Spn	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5742	NM_027189 .1-160slcl	697 31	Gemin7	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5781	NM_001033 711.1- 1358slcl	140 17	Evi2a	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5788	NM_029025 .1-689slcl	746 26	Tmem8 1	0.080 61900 3	1	2	5	1.280 21405 0.781 11937 65344 4	0.549 48234 1	1.331 35896 9	0.8638 54978 04394	0.4128 99612	
TRCN 000012 5807	NM_145618 .3-2268slcl	936 97	Narg2	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5838	NM_028308 .1-243slcl	101 513	270007 8K21Ri k	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5843	NM_028125 .1-123slcl	721 47	Btbd4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 5928	NM_134169 .1-573slcl	171 187	Vlrc14	0.047 71666 1	1	2	5	1.280 21405 0.781 11937 65344 4	0.549 48234 1	1.331 35896 9	0.8638 54978 04394	0.4128 99612	

TRCN 000012 5951	NM_207029 .1-478slc1	387 354	Tas2r12 9	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6074	NM_008059 .1-492slc1	143 73	G0s2	0.080 61900 3		2.961 49836 5	0.337 66690 9	1.337 65344 4	1.271 10857 1	0.575 52774	0.4197 04394	0.3460 87263	0.7970 42628
TRCN 000012 6144	NM_134222 .1-509slc1	171 256	V1ri5	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6147	NM_134222 .1-74slc1	171 256	V1ri5	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6208	NM_177863 .3-6372slc1	329 872	Frem1	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6347	NM_145550 .1-354slc1	230 584	Yipf1	0.017 23540 1				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6391	NM_178657 .3-221slc1	193 322	Oog1	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6501	NM_203489 .1-730slc1	209 824	V1rd15	0.033 88675 1				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6574	NM_001035 226.1- 3973slc1	103 573	Xpo1	0.017 23540 1		4.642 78267 8	0.215 38807	1.337 65344 4	1.992 73480 1	0.367 11269 5	0.4197 04394	0.9947 49725	- 1.4457 05091
TRCN 000012 6575	NM_001035 226.1- 760slc1	103 573	Xpo1	0.047 71666				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6601	NM_007813 .1-598slc1	130 89	Cyp2b1 3	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6674	NM_133974 .2-3243slc1	109 332	Cdcp1	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 6928	NM_134232 .1-165slc1	171 266	V1rg10	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 7196	NM_011383 .1-1024slc1	204 75	Six5	0.009 39079 9				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 7235	NM_030084 .2-152slc1	783 08	Gpr108	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000012 7357	NM_145499 .1-1294slc1	226 105	Cyp2c7 0	0.007 56737 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3412	NM_177354 .2-1887slc1	238 328	Vash1	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3609	NM_001013 366.1- 868slc1	101 240	OG05Ri k	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3647	NM_146178 .1-1006slc1	232 821	Ccdc10 6	0.011 95040 5				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3713	NM_198422 .1-240slc1	231 474	Paqr3	0.080 61900 3		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000017 3763	NM_207535 .1-417slc1	404 236	Mrgpra 7	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3861	NM_029021 .1-326slc1	746 14	483342 2F24Ri k	0.022 84926 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3888	NM_024193 .1-619slc1	671 34	Nol5a	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000017 3938	NM_010948 .1-424s1c1	182 21	Nudc	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3964	NM_028089 .1-1000s1c1	720 82	Cyp2c5 5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 3987	NM_133746 .2-938s1c1	726 91	281004 8G17Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4334	NM_212450 .1-1208s1c1	329 506	Ctdspl2	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4351	NM_172260 .1-2249s1c1	216 543	Cep68	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4399	NM_030253 .1-693s1c1	802 85	Parp9	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4451	NM_018759 .1-1192s1c1	543 67	Zfp326	0.006 11593 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4489	NM_028343 .2-1135s1c1	727 59	Tmem1 35	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4501	NM_181856 .1-609s1c1	217 356	Tmc8	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4520	NM_134194 .1-374s1c1	171 228	V1re5	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4625	NM_025658 .3-491s1c1	666 07	Ms4a4d	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4655	NM_001010 829.1- 384s1c1	215 856	Taar7a	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4660	NM_021897 .1-5155s1c1	605 99	Trp53in p1	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4676	NM_177696 .2-2031s1c1	233 537	Gdpd4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4760	NM_134226 .1-66s1c1	171 260	V1rj2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4851	NM_145590 .1-435s1c1	233 913	BC0171 58	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4906	NM_198224 .1-389s1c1	734 66	170006 0E18Ri k	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4921	NM_133692 .1-2157s1c1	679 67	Pold3	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4975	NM_178701 .2-1302s1c1	231 549	Lrrc8d	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 4984	NM_026120 .2-1311s1c1	673 83	241012 7L17Ri k	0.033 88675 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5036	NM_008564 .1-860s1c1	172 16	Mcm2	0.037 51071 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5038	NM_010322 .2-394s1c1	147 12	Gnpat	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5163	NM_145952 .1-377s1c1	209 478	Tbcl1d1 2	0.047 71666 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000017 5196	NM_207539 .1-274s1c1	404 240	Mrgprb 8	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5257	NM_146034 .1-764s1c1	217 615	Mgea6	0.042 00260				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5388	NM_001013 832.1- 127s1c1	436 440	Gpr31c	0.065 55215				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5541	NM_172757 .3-1798s1c1	234 549	Heatr3	0.055 23020		1.840 64215	0.543 28865	1.337 65344	0.790 02441	0.925 99447	0.4197 04394	- 0.3400 30851	- 0.1109 24515
TRCN 000017 5565	NM_172257 .1-2075s1c1	214 597	Sidt2	0.030 90133				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5715	NM_133897 .1-1354s1c1	100 604	Lrrc8c	0.033 88675				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 5832	NM_172600 .2-438s1c1	218 989	672045 6H20Ri k	0.047 71666				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6036	NM_175181 .3-1933s1c1	724 46	260001 0E01Ri k	0.055 23020				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6097	NM_027632 .1-1038s1c1	743 87	493243 8H23Ri k	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6138	NM_145528 .1-1445s1c1	518 97	D2Ertd 391e	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6217	NM_001013 792.1- 144s1c1	432 940	BC0879 45	0.055 23020				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6344	NM_001008 421.1- 1247s1c1	217 431	No110	0.033 88675				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6531	NM_021310 .1-2994s1c1	577 48	Jmy	0.007 73423				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6567	NM_030240 .1-921s1c1	672 78	290009 2E17Ri k	0.047 71666				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6772	NM_018773 .2-422s1c1	543 53	Scap2	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6780	NM_026182 .3-823s1c1	674 72	Mtfr1	0.042 00260				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6921	NM_001024 705.1- 987s1c1	381 832	BC0614 94	0.065 55215				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6942	NM_133353 .2-713s1c1	170 834	Oosp1	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6992	NM_183115 .1-692s1c1	760 41	583043 6D01Ri k	0.065 55215				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6995	NM_198646 .1-323s1c1	381 062	903002 5P20Ri k	0.015 69313				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 6997	NM_001003 393.1- 403s1c1	232 925	Gm580	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7111	NM_010416 .1-378s1c1	152 02	Hemt1	0.080 61900				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7118	NM_025437 .2-580s1c1	662 35	Eif1ay	0.065 55215				1.337 65344	0.429 21130	1.704 42446	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000017 7131	NM_145229 .1-497s1c1	246 735	AY074 887	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7163	NM_197986 .1-2096s1c1	684 87	111000 7F12Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7292	NM_145505 .2-741s1c1	226 252	AI4505 40	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7336	NM_026201 .1-2229s1c1	675 00	Ccar1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7339	NM_028065 .2-599s1c1	720 29	Tnrc5	0.017 23540 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7437	NM_026116 .2-768s1c1	673 78	Bbs2	0.005 71718 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7443	NM_028303 .1-413s1c1	726 21	Pdzd11	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7554	NM_026116 .2-2121s1c1	673 78	Bbs2	0.024 44146 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7575	NM_001037 716.1- 1516s1c1	382 243	LOC38 2243	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7637	NM_001004 061.1- 569s1c1	225 497	Gm93	0.009 39079 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7766	NM_026150 .1-390s1c1	674 30	492153 6K21Ri k	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7839	NM_144890 .1-545s1c1	228 802	BC0184 65	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 7884	NM_011423 .1-232s1c1	206 01	Smr3	0.042 00260 5	1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000017 7898	NM_145229 .1-576s1c1	246 735	AY074 887	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8033	NM_173386 .1-753s1c1	214 763	E33001 6A19Ri k	0.021 45181 9	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8061	NM_199310 .1-402s1c1	269 336	Ccdc32	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8077	NM_029377 .1-442s1c1	756 60	181005 4G18Ri k	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8094	NM_175410 .3-502s1c1	109 226	A93000 2I21Rik	0.037 51071 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8101	NM_177625 .2-102s1c1	219 022	Ttc5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8109	NM_009752 .1-2137s1c1	120 91	Glb1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8127	NM_178086 .2-661s1c1	338 521	Fa2h	0.065 55215 2	1	1	1.603 76104 5	1.337 65344 4	0.429 21130 3	2.733 48955 4	0.4197 04394	- 1.2202 40027	1.4507 43862
TRCN 000017 8132	NM_007509 .2-1179s1c1	119 66	Atp6v1 b2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8192	NM_031379 .1-801s1c1	835 53	Tkt11	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000017 8238	NM_181400 .2-2385slcl	995 12	Wdr47	0.014 40421 1			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8248	NM_026084 .1-845slcl	673 04	311007 0M22Ri k	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8294	NM_026063 .1-310slcl	672 67	290001 0M23Ri k	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8340	NM_177191 .2-2041slcl	320 558	493051 8F03Ri k	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8383	NM_024201 .2-1666slcl	674 33	061001 1N22Ri k	0.026 27218 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8399	NM_153125 .1-1564slcl	227 648	AU024 582	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8405	NM_177687 .2-429slcl	232 430	Crebl2	0.021 45181 9			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8599	NM_177148 .3-1355slcl	320 383	B23031 7F23Ri k	0.042 00260 5			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 8723	NM_198647 .1-1604slcl	381 085	Tbc1d2 2b	0.047 71666 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9061	NM_139063 .1-1357slcl	178 28	Muted	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9248	NM_177718 .2-1103slcl	239 796	160002 1P15Ri k	0.030 90133 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9450	NM_027128 .1-394slcl	695 92	231001 1G06Ri k	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9521	NM_001018 087.1- 468slcl	434 784	Ldoc1	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9606	NM_175124 .3-739slcl	678 67	Lrrc28	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9665	NM_178629 .2-501slcl	758 47	493057 9E17Ri k	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9750	NM_031258 .2-1166slcl	834 53	Chrd1l	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9884	NM_001033 448.1- 2217slcl	381 201	Gm962	0.055 23020 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9891	NM_013559 .1-2762slcl	155 05	Hsp110	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000017 9896	NM_023203 .1-342slcl	664 22	241001 5N17Ri k	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 0033	NM_001009 575.1- 482slcl	494 468	Armex5	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 1117	NM_001002 768.1- 761slcl	442 798	963004 1A04Ri k	0.065 55215 2			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 1205	NM_019396 .1-1242slcl	541 51	Cyhr1	0.080 61900 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 1331	NM_172660 .1-597slcl	227 695	D2Wsu 81e	0.055 23020 3			1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000018 1438	NM_025724 .1-1130s1c1	667 16	492151 0H08Ri k	0.028 39935 3	1	5.763 63888 7	0.173 50150 1	1.337 65344 4	2.473 81895 5	0.295 72020 3	0.4197 04394	1.3067 39921	- 1.7576 95287
TRCN 000018 1513	NM_172503 .2-1850s1c1	212 168	Zswim4	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 1743	NM_001034 037.1- 199s1c1	670 85	170002 4G13Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 1889	NM_181418 .2-1153s1c1	234 395	Ushbp1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 1891	NM_013768 .1-1547s1c1	273 74	Prmt5	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2025	NM_001029 978.1- 691s1c1	594 844	Tceal3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2150	NM_134182 .1-463s1c1	171 200	V1rc27	0.033 88675 1	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000018 2251	NM_153559 .1-446s1c1	227 638	Qscn6l1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2306	NM_172414 .1-1414s1c1	723 50	281000 2I04Rik	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2435	NM_001002 772.1- 2105s1c1	442 804	A13006 6N16Ri k	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2471	NM_145937 .1-2220s1c1	589 11	Sumfl	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2587	NM_172427 .1-2062s1c1	764 55	231006 7E19Ri k	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2593	NM_001037 502.1- 175s1c1	545 475	Defb28	0.080 61900 3	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000018 2607	NM_175381 .4-717s1c1	108 899	270008 1O15Ri k	0.015 02107 4	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 2731	NM_145996 .2-1083s1c1	214 855	Arid5a	0.042 00260 5	1	31.82 35457 4	0.031 42327 4	1.337 65344 4	13.65 90255 2	0.053 55859 7	0.4197 04394	3.7717 82656	- 4.2227 38021
TRCN 000018 3119	NM_178377 .3-71s1c1	694 56	Commdd I0	0.020 21545 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 3191	NM_145223 .1-4999s1c1	236 266	Alms1	0.004 15827 2	1	1	2.207 52209	1.337 65344 4	0.429 21130 3	3.762 55464 8	0.4197 04394	1.2202 40027	- 1.9117 12536
TRCN 000018 3314	NM_028796 .1-761s1c1	741 73	170001 2B15Ri k	0.047 71666 1	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 3427	NM_153390 .1-431s1c1	693 07	Pxt1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 3439	NM_013625 .1-1433s1c1	184 72	Pafah1b I	0.015 02107 4	1	1.280 21405 2	4.082 38552 4	1.337 65344 4	0.549 48234 1	6.958 11774 6	0.4197 04394	0.8638 54978	2.7986 97093
TRCN 000018 3674	NM_177890 .2-2053s1c1	330 513	492150 7A12	0.015 02107 4	1	1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000018 3884	NM_146020 .1-1060s1c1	216 871	C73002 7E14Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661
TRCN 000018 3952	NM_001001 450.1- 717s1c1	387 132	Ssxb2	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	1.2202 40027	- 0.7692 84661

TRCN 000018 4223	NM_028494 .1-245slcl	732 97	170003 4I23Rik	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 4447	NM_025355 .2-870slcl	661 04	150002 6B10Ri k	0.024 44146 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 4485	NM_139198 .1-312slcl	231 507	Plac8	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 4492	NM_178787 .2-1665slcl	320 678	A93003 7G23Ri k	0.042 00260 5				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 4742	NM_001010 832.1- 109slcl	231 332	AY487 415	0.037 51071				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 4953	NM_146736 .1-357slcl	258 731	Olfr491	0.015 02107 4				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5013	NM_146770 .1-210slcl	258 766	Olfr259	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5211	NM_146582 .1-582slcl	258 575	Olfr104 6	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5219	NM_146887 .1-70slcl	258 889	Olfr130 1	0.028 39935 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5235	XM_485760 .1-741slcl	434 017	LOC43 4017	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5346	NM_146672 .1-789slcl	258 667	Olfr816	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5450	NM_001011 784.1- 88slcl	257 950	Olfr103 9	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5460	NM_146465 .1-489slcl	258 457	Olfr108	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5539	NM_146731 .1-571slcl	258 726	Olfr599	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5546	NM_146930 .1-416slcl	258 932	Olfr791	0.065 55215 2				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5565	NM_146438 .1-260slcl	258 430	Olfr938	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5742	NM_001011 811.1- 40slcl	258 042	Olfr487	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5815	NM_146811 .1-759slcl	258 807	Olfr910	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 5851	NM_146567 .1-243slcl	258 560	Olfr843	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6079	NM_146571 .1-642slcl	258 564	Olfr101 5	0.055 23020 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6210	NM_146456 .1-511slcl	258 448	Olfr92	0.022 84926 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6218	NM_146919 .1-740slcl	258 921	Olfr118 8	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6366	NM_146769 .1-577slcl	258 765	Olfr111 0	0.080 61900 3				1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000018 6415	NM_019486 .1-210slcl	560 15	Olfr71	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6571	NM_207622 .1-295slcl	404 316	Olfr403	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6597	NM_001011 862.1- 195slcl	258 180	Olfr699	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6721	NM_134168 .1-423slcl	171 186	Vlrc13	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6844	NM_147009 .1-260slcl	259 011	Olfr389	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 6958	NM_146705 .1-395slcl	258 700	Olfr145 1	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7071	NM_146724 .1-255slcl	258 719	Olfr512	0.037 51071	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7259	NM_207230 .1-471slcl	216 783	Olfr320	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7354	NM_001011 869.1- 458slcl	258 207	Olfr452	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7505	NM_146957 .1-571slcl	258 959	Olfr170	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7641	NM_146456 .1-669slcl	258 448	Olfr92	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7656	XM_144774 .1-113slcl	243 425	AY498 738	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 7865	NM_146380 .1-106slcl	258 378	Olfr593	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 8111	NM_146410 .1-632slcl	258 405	Olfr142 0	0.004 78186 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 8156	NM_001011 695.1- 235slcl	257 899	Olfr100 0	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 8241	NM_146428 .1-579slcl	258 420	Olfr221	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 8493	NM_001011 769.1- 262slcl	257 931	Olfr317	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 8752	NM_146482 .1-280slcl	258 475	Olfr889	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9453	NM_175017 .2-660slcl	232 217	493342 7D06Ri k	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9585	NM_033569 .1-640slcl	942 19	Cnm2	0.002 38039 8	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9617	NM_025785 .1-711slcl	668 22	Fbxo25	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9744	NM_026167 .1-348slcl	674 55	Klhl13	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9761	NM_172395 .1-527slcl	579 12	Cdc42s el	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000018 9851	NM_028184 .2-225slcl	722 84	Oraov1	0.080 61900 3		1	1	2.207 52209	1.337 65344 4	0.429 21130 3	3.762 55464 8	0.4197 04394	- 1.2202 40027	1.9117 12536
TRCN 000018 9857	NM_146235 .2-114slcl	236 930	Ercc6l	0.009 14593 2		1	1		1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9919	NM_033569 .1-247slcl	942 19	Cnm2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000018 9928	NM_011474 .1-334slcl	207 62	Spr2h	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0019	NM_025988 .1-578slcl	671 31	Acbd4	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0311	NM_001030 014.1- 554slcl	223 722	BC0255 19	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0470	NM_027405 .2-518slcl	703 73	170002 0O03Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0532	NM_175021 .1-2446slcl	233 033	Samd4b	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0644	NM_027903 .1-160slcl	717 55	Dhdh	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0773	NM_053251 .1-81slcl	114 600	MP4	0.002 53524 7		1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000019 0791	NM_025785 .1-954slcl	668 22	Fbxo25	0.033 88675 1		1	1	7.037 61044 9	1.337 65344 4	0.429 21130 3	11.99 50753 9	0.4197 04394	- 1.2202 40027	3.5843 70321
TRCN 000019 0884	NM_172761 .1-698slcl	234 814	Mthfsd	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 0896	NM_028993 .2-2295slcl	745 49	913040 4D08Ri k	0.047 71666		1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000019 0951	NM_026971 .2-265slcl	524 43	Mrpl48	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1006	NM_134130 .1-1457slcl	106 861	Abhd3	0.003 75737 1		1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000019 1042	NM_011080 .1-347slcl	186 86	Phxr1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1065	NM_177029 .3-1817slcl	319 890	933012 0H11Ri k	0.033 88675 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1284	NM_133851 .1-1490slcl	108 907	Nusap1	0.003 29808 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1543	NM_025714 .1-1744slcl	521 84	Odf2l	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1572	NM_001001 182.2- 7401slcl	407 823	Baz2b	0.037 51071		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1588	NM_028872 .2-447slcl	673 13	573055 9C18Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1601	NM_001013 811.1- 1825slcl	434 197	LOC43 4197	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1660	NM_053258 .1-752slcl	114 660	Etos1	0.017 23540 1		1	2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612

TRCN 000019 1700	NM_029870 .1-1981s1c1	771 28	A93000 1N09Ri k	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 1911	NM_025829 .2-215s1c1	668 92	Eif4e3	0.026 27218		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2150	NM_177279 .2-2525s1c1	320 869	473241 5M23Ri k	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2207	NM_146039 .2-419s1c1	217 935	D43003 3N04Ri k	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2389	NM_009894 .1-521s1c1	126 84	Cideb	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2484	NM_175384 .3-1981s1c1	108 912	Cdca2	0.042 00260 5		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2561	NM_153557 .1-442s1c1	227 622	BC0292 14	0.020 21545 6		1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	0.8638 54978	0.4128 99612
TRCN 000019 2620	NM_025789 .2-1508s1c1	668 32	Rshl2	0.033 88675 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2741	NM_175331 .2-560s1c1	103 466	C63000 2B14Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2775	NM_177271 .2-1333s1c1	320 825	E13030 6M17Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2815	NM_177446 .2-212s1c1	233 090	Abpz	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 2860	NM_175323 .2-146s1c1	102 220	E33003 7G11Ri k	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3080	NM_027545 .1-3520s1c2	244 672	Cwf19l 2	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3347	NM_198034 .2-1206s1c1	320 007	Sidt1	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3421	NM_145952 .1-333s1c1	209 478	Tbc1d1 2	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3433	NM_011627 .2-1890s1c1	219 83	Tpbg	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3499	NM_025411 .2-724s1c1	661 93	I11004 9F12Ri k	0.047 71666		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3742	NM_153524 .1-736s1c1	235 854	Mrgpra 4	0.080 61900 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3757	NM_032008 .2-1051s1c2	839 97	Slmap	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 3814	NM_177140 .2-598s1c1	320 351	D23003 7D09Ri k	0.055 23020 3		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 4594	NM_175099 .2-1277s1c1	588 87	Repin1	0.009 92209 1		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 5931	NM_026280 .1-317s1c1	676 22	181005 7P16Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 6040	NM_172543 .1-511s1c1	215 512	573059 3F17Ri k	0.065 55215 2		1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000019 7408	NM_175263 .2-2349s1c1	775 83	573059 3N15Ri k	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 7727	NM_207657 .1-1436s1c1	381 622	503141 0I06Rik	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 8238	NM_134182 .1-543s1c1	171 200	V1rc27	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 8395	NM_029381 .1-1111s1c1	756 71	Tex22	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 8434	NM_153791 .1-1259s1c1	224 613	Flywch l	0.020 21545 6	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000019 8870	NM_001013 381.1- 349s1c1	237 926	Rsad1	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0216	NM_001024 560.1- 883s1c1	225 861	B93003 7P14Ri k	0.042 00260 5	1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000020 0277	NM_026718 .2-514s1c1	684 20	Ankrd1 3a	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0633	NM_029036 .1-543s1c1	746 48	S100pb p	0.011 18803 7	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0821	NM_173023 .1-2251s1c1	271 036	493241 5G16Ri k	0.022 84926 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0831	NM_028815 .3-2522s1c1	742 01	Lrriq2	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0877	NM_028739 .1-618s1c1	740 66	493340 4G15Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 0921	NM_172267 .2-859s1c1	227 696	Phyhd1	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 1185	NM_194340 .1-3824s1c1	215 476	C33001 9G07Ri k	0.047 71666	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 1396	NM_026477 .1-474s1c1	670 80	170001 9D03Ri k	0.055 23020 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 1682	NM_177676 .2-2350s1c1	231 045	493140 9K22Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 1737	NM_027733 .2-343s1c1	712 42	513340 0G04Ri k	0.065 55215 2	1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000020 1774	NM_153392 .1-786s1c1	230 603	492250 3N01Ri k	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 1870	NM_198300 .1-2410s1c1	208 922	Cpeb3	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 2020	NM_175539 .2-1073s1c1	245 403	A13000 7F10Ri k	0.042 00260 5	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 2554	NM_146357 .1-76s1c1	258 354	Olfr168	0.065 55215 2	1	2	5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	0.4128 99612
TRCN 000020 2920	NM_147030 .1-393s1c1	259 032	Olfr113 4	0.080 61900 3	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661
TRCN 000020 3028	NM_146391 .1-85s1c1	258 386	Olfr105 8	0.065 55215 2	1	1	1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	0.7692 84661

TRCN 000020 3047	NM_146522 .1-744slcl	258 515	Olfr854	0.015 69313 5		1.280 21405 2	0.781 11937 5	1.337 65344 4	0.549 48234 1	1.331 35896 9	0.4197 04394	- 0.8638 54978	- 0.4128 99612
TRCN 000020 3224	NM_146957 .1-639slcl	258 959	Olfr170	0.047 71666 1		1 1	1 1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	- 0.7692 84661
TRCN 000020 3276	NM_147076 .1-748slcl	259 080	Olfr619	0.080 61900 3		1 1	1 1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	- 0.7692 84661
TRCN 000020 3852	NM_146385 .1-791slcl	258 383	Olfr134 7	0.080 61900 3		1 1	1 1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	- 0.7692 84661
TRCN 000020 4439	NM_146914 .1-129slcl	183 49	Olfr5	0.080 61900 3		1 1	1 1	1.337 65344 4	0.429 21130 3	1.704 42446 1	0.4197 04394	- 1.2202 40027	- 0.7692 84661
TRCN 000019 8328	NM_198037 .1-4733slcl	320 508	Cachd1	0.036 14409 3	0.997 63256 3	0.219 32744 3	2.207 52209 4	1.334 48663 4	0.094 13781 7	3.762 55464 8	0.4162 84856	- 3.4090 81786	- 1.9117 12536
TRCN 000009 8680	NM_031159 .2-1405slcl	118 10	Apobec 1	0.744 31592 3	0.996 08440 2	0.605 27452 9	0.455 40621 5	1.332 41573 1	0.259 79066 9	0.776 20549 2	0.4140 44292	- 1.9445 78482	- 0.3654 89455
TRCN 000011 9310	NM_011360 .2-419slcl	203 92	Sgce	0.232 65365 1	0.995 43578 6	0.683 75910 4	0.020 44295 7	1.331 54810 7	0.293 47713 6	0.034 84347 6	0.4131 04552	- 1.7686 79984	- 4.8429 67651
TRCN 000009 0907	NM_011902 .1-1112slcl	240 84	Tekt2	0.288 76735 1	0.988 28340 3	2.446 47938 4	0.034 76428 3	1.321 98069 7	1.050 05660 3	0.059 25309 4	0.4027 01112	- 0.0704 67099	- 4.0769 65691
TRCN 000018 0629	NM_175360 .2-1448slcl	108 689	Obfc1	0.644 01582 9	0.987 81533 8	0.547 66745 5	1.186 43007 9	1.321 35458 9	0.235 06506 2	2.022 18043 2	0.4020 1767	- 2.0888 6797	- 1.0159 11729
TRCN 000018 3516	NM_013625 .1-905slcl	184 72	Pafah1b 1	0.369 32075 4	0.986 19858 5	0.988 85160 8	0.346 80776 4	1.319 19193 4	0.424 42628 7	0.591 10763 6	0.3996 54482	- 1.2364 14082	- 0.7585 07238
TRCN 000003 1636	NM_133969 .1-404slcl	102 294	Cyp4v3	6.691 70296 6	0.985 45423 1	2.093 65823 3	0.429 13921 9	1.318 19624 6	0.898 62177 8	0.731 43538 3	0.3985 65167	- 0.1542 1407	- 0.4511 97677
TRCN 000019 3905	NM_172049 .1-1622slcl	211 986	Tmem1 8	0.224 37230 5	0.985 28601 3	3.590 75495 6	0.008 02073 1	1.317 97122 8	1.541 19261 2	0.013 67073 8	0.3983 18876	- 0.6240 47176	- 6.1927 65873
TRCN 000010 5169	NM_017399 .1-72slcl	140 80	Fabp1	0.616 47137 5	0.985 18378 4	0.937 75915 4	0.772 40630 1	1.317 83447 6	0.402 49682 8	1.316 50819 4	0.3981 69175	- 1.3129 50682	- 0.3967 16501
TRCN 000006 6497	NM_010111 .2-484slcl	136 42	Efnb2	0.348 87108 5	0.984 92054 4	0.936 92671 8	2.474 25913 1	1.317 48235 7	0.402 13953 7	4.217 18778 5	0.3977 83642	- 1.3142 3191	- 2.0762 81264
TRCN 000011 9807	NM_028779 .3-3037slcl	109 674	Ampd2	0.575 0818 6	0.984 12832 6	0.583 92564 4	1.512 01031 5	1.316 42264 5	0.250 62748 6	2.577 10736 5	0.3966 22749	- 1.9963 83451	- 1.3657 52643
TRCN 000010 6341	NM_198617 .1-613slcl	241 732	Tspyl3	0.076 32350 6	0.982 86380 9	1.628 01777 8	2.218 87635 1	1.314 73115 9	0.698 76363 1	3.781 90712 9	0.3947 67822	- 0.5171 23573	- 1.9191 13936
TRCN 000003 9050	NM_010610 .1-957slcl	165 31	Kcnma 1	0.893 75644 2	0.982 47282 8	0.424 36781 9	2.252 89908 6	1.314 20816 2	0.182 14346 4	3.839 89630 9	0.3941 93808	- 2.4568 52866	- 1.9410 67354
TRCN 000003 2384	NM_011872 .2-170slcl	239 93	Klk7	0.541 24635 5	0.981 92496 6	2.089 40732 5	1.540 54861 2	1.313 47531 2	0.896 79723 8	2.625 74873 4	0.3933 89084	- 0.1571 46261	- 1.3927 28867
TRCN 000010 5111	NM_024289 .1-548slcl	791 96	Osbpl5	0.328 74023 4	0.981 10452 8	0.044 40873 4	2.667 55717 4	1.312 37785 1	0.019 06072 9	4.546 64969 9	0.3921 83151	- 5.7132 52892	- 2.1848 03854
TRCN 000005 4755	NM_007451 .2-645slcl	117 40	Slc25a5	0.698 63617 8	0.980 56085 2	1.774 43330 6	0.313 66266 7	1.311 6506 6	0.761 60683 1	0.534 61432 1	0.3913 83463	- 0.3928 81677	- 0.9034 29609
TRCN 000003 9045	NM_008234 .2-1766slcl	152 01	Hells	0.528 65797 8	0.980 55056 2	0.980 42077 2	1.004 27248 6	1.311 63683 6	0.420 80767 6	1.711 70658 1	0.3913 68324	- 1.2487 67074	- 0.7754 35417
TRCN 000010 5434	NM_015749 .1-671slcl	214 52	Tcn2	0.077 48647 9	0.978 67463 9	0.331 45642 9	0.374 20189 9	1.309 12750 1	0.142 26484 6	0.637 79887 6	0.3886 05614	- 2.8133 48887	- 0.6488 26554

TRCN 000007 1051	NM_007626 .2-465s1c1	124 19	Cbx5	0.449 46270 4	0.977 77070 5	0.486 72879 4	0.977 63775 1	1.307 91835 1	0.208 9095	1.666 30969 6	0.3872 72481	2.2590 49997	- 0.7366 56561
TRCN 000010 1430	NM_021891 .2-2285s1c1	605 30	Fign1	0.763 39547 3	0.977 23443 7	1.038 20783 7	0.651 26066	1.307 20101	0.445 61053 8	1.110 02459 9	0.3864 81003	1.1661 44744	- 0.1505 91648
TRCN 000011 0521	NM_008662 .1-2713s1c1	179 20	Myo6	0.528 02033 2	0.976 66353 8	0.148 41006 7	0.194 78220 7	1.306 43734 5	0.063 69927 8	0.331 99155 7	0.3856 37936	3.9725 79166	- 1.5907 8154
TRCN 000007 1736	NM_020510 .1-1195s1c1	572 65	Fzd2	0.048 95311 9	0.975 79709	0.747 15693 6	0.372 9556	1.305 27833 8	0.320 68820 2	0.635 67464 8	0.3843 5748	1.6407 56818	- 0.6536 39544
TRCN 000003 7149	NM_019492 .1-1943s1c1	507 80	Rgs3	0.010 49552 2	0.975 35772 8	0.755 52600 5		1.304 69062 4	0.324 28030 1	1.704 42446 1	0.3837 07747	1.6246 86709	- 0.7692 84661
TRCN 000008 4643	NM_016662 .2-760s1c1	171 21	Mxd3	0.109 40170 1	0.975 35772 8	0.967 23500 8	1.252 72882 5	1.304 69062 4	0.415 14819 8	2.135 18165 1	0.3837 07747	1.2683 0166	- 1.0943 58813
TRCN 000009 1664	NM_007392 .2-894s1c1	114 75	Acta2	0.033 16758 4	0.975 35772 8	0.755 52600 5	2.207 52209	1.304 69062 4	0.324 28030 1	3.762 55464 8	0.3837 07747	1.6246 86709	- 1.9117 12536
TRCN 000009 6159	NM_021560 .2-2352s1c1	590 58	Bhlhb5	0.109 40170 1	0.975 35772 8	1.602 36201 8	0.471 50768 4	1.304 69062 4	0.687 75188 9	0.803 64923 1	0.3837 07747	0.5400 39898	- 0.3153 6215
TRCN 000017 5022	NM_145975 .2-2534s1c1	212 880	Ddx46	0.013 85645 9	0.975 35772 8	0.755 52600 5		1.304 69062 4	0.324 28030 1	1.704 42446 1	0.3837 07747	1.6246 86709	- 0.7692 84661
TRCN 000010 8926	NM_007984 .1-978s1c1	140 86	Fscn1	0.849 04420 3	0.971 86310 9	0.952 17956 9	0.326 42232 1	1.300 01603 5	0.408 68623 3	0.556 36218 9	0.3785 29418	1.2909 34449	- 0.8459 03719
TRCN 000019 1456	NM_030197 .1-1694s1c1	788 32	270007 8E11Ri k	0.909 87247 7	0.971 64913 8	0.382 94876	1.742 37446	1.299 72981 6	0.164 36593 6	2.969 74565	0.3782 11752	2.6050 16754	- 1.5703 39374
TRCN 000009 9476	NM_054074 .1-109s1c1	116 746	Defb6	0.103 53305 3	0.970 29777 9	0.019 79887 5	40.24 44679 2	1.297 92216 6	0.008 49790 1	68.59 36555 3	0.3762 0387	6.8786 77764	- 6.1000 03237
TRCN 000019 3877	NM_009287 .2-797s1c1	208 66	Stim1	0.341 42695 5	0.968 81254 7	1.097 83333 8	1.395 40364 8	1.295 93544	0.471 20247 7	2.378 36011	0.3739 93849	1.0855 80972	- 1.2499 67171
TRCN 000009 9050	NM_025298 .2-2824s1c1	269 39	Polr3e	0.630 92669 7	0.967 43393 4	0.951 21681 1	0.142 10970 9	1.294 09133 3	0.408 27300 6	0.242 21526 4	0.3719 39442	1.2923 9391	- 2.0456 38313
TRCN 000008 7890	NM_133718 .2-645s1c1	699 81	Tmem3 0a	0.490 50536 9	0.966 98167 7	10.38 88669 2	0.092 80590 9	1.293 48637	4.459 01910 5	0.158 18066 2	0.3712 64852	2.1567 26381	- 2.6603 5486
TRCN 000009 4476	NM_146010 .1-961s1c1	216 350	Tspan8	0.489 56183 5	0.966 49791 7	0.809 81465 1	0.332 80723 9	1.292 83926 7	0.347 58160 1	0.567 24479 9	0.3705 42922	1.5245 76378	- 0.8179 56619
TRCN 000002 8686	XM_358310 .1-6319s1c1	110 789	Gpr98	0.341 73351 3	0.966 01305 3	0.361 03709 4	2.773 03965 9	1.292 19068 8	0.154 96120 2	4.726 43662 6	0.3698 18983	2.6900 2105	- 2.2407 52911
TRCN 000010 8506	NM_177152 .4-693s1c1	320 398	Lrig3	0.469 57551 4	0.965 81720 2	0.010 12950 4	2.207 52209	1.291 92870 6	0.004 34769 8	3.762 55464 8	0.3695 26458	7.8455 32672	- 1.9117 12536
TRCN 000001 2270	NM_007609 .1-421s1c1	123 63	Casp4	0.149 00952 5	0.965 22334 7	10.12 69889 3	0.262 11018 2	1.291 13433 4	4.346 61811	74700 5	0.3686 39112	2.1198 93347	- 1.1624 70036
TRCN 000012 3795	NM_172429 .1-432s1c1	764 79	Smndc1	0.030 65133 8	0.962 72083 7	0.079 05811 8		1.287 78684 3	0.033 93263 8	1.704 42446 1	0.3648 93816	4.8811 8261	- 0.7692 84661
TRCN 000004 2794	NM_019832 .2-571s1c1	562 78	Gkap1	0.138 18439 9	0.960 98103	0.607 10469 4		1.285 45958 5	0.260 57619 7	1.704 42446 1	0.3622 84252	1.9402 22793	- 0.7692 84661
TRCN 000017 3238	NM_001013 013.1- 399s1c1	684 60	Dhrs7c	0.094 66691 7	0.960 98103	0.777 22396 1	0.781 11937 5	1.285 45958 5	0.333 59330 9	1.331 35896 9	0.3622 84252	1.5838 37744	- 0.4128 99612
TRCN 000009 2702	NM_178208 .1-56s1c1	319 155	Hist1h4 c	0.208 93022 3	0.959 78486 6	3.156 30057 9	0.314 59257 4	1.283 85953 1	1.354 71988 3	0.536 19927 9	0.3604 87364	0.4379 94575	- 0.8991 58816

TRCN 000008 9635	NM_144848 .2-2596s1c1	223 650	Eppk1	0.736 47019 7	0.959 47517 4	0.713 14200 1	2.062 55285 8	1.283 44527	0.306 08860 7	3.515 46554 3	0.3600 21777	- 1.7079 78747	- 1.8137 15754
TRCN 000006 6595	NM_007573 .1-804s1c1	122 61	Clqbp	0.121 63532 9	0.957 13110 3	0.036 26709 3	13.04 29650 7	1.280 30971 6	0.015 56624 6	22.23 07487 1	0.3564 92851	- 6.0054 35112	- 4.4744 84633
TRCN 000002 5610	XM_149165 .3-1187s1c1	228 094	Cerkl	1.419 20925 3	0.955 46670 3	0.805 76264 1	3.106 13061 4	1.278 08332 6	0.345 84243 3	5.294 16499 6	0.3539 81898	- 1.5318 13205	- 2.4044 03158
TRCN 000000 9626	NM_153403 .1-2146s1c1	236 511	Eif2c1	0.108 97353 5	0.955 43830 2	0.813 45672 8	2.619 74741 8	1.278 04533 6	0.349 14482 2	4.465 16158 1	0.3539 39013	- 1.5181 02519	- 2.1587 12383
TRCN 000017 7644	NM_023719 .1-467s1c1	563 38	Txnip	0.383 77805 8	0.955 33528	0.808 11982 7	2.278 53341 7	1.277 90752 8	0.346 85416 4	3.883 58809 1	0.3537 83443	- 1.5275 98892	- 1.9573 90191
TRCN 000009 4209	NM_009655 .1-3419s1c1	116 58	Alcam	2.152 54452 3	0.955 25792 9	0.981 69913 7	0.513 71243 8	1.277 80405 9	0.421 35636 5	0.875 58404 5	0.3536 66627	- 1.2468 87175	- 0.1916 82429
TRCN 000006 9711	NM_030601 .2-2615s1c1	807 97	Clca2	0.487 53570 8	0.955 19423	0.442 34231 9	0.024 09131 6	1.277 71885 2	0.189 85832 3	0.041 06182 9	0.3535 70422	- 2.3970 0485	- 4.6060 58312
TRCN 000009 6442	NM_010657 .2-5401s1c1	166 56	Hivep3	0.353 28559 6	0.954 94705 3	1.228 59024 9	1.840 43453 1	1.277 38821 5	0.527 32482 1	3.136 88163 3	0.3531 97045	- 0.9232 36188	- 1.6493 31092
TRCN 000011 0153	NM_133962 .3-3192s1c1	102 098	Arhgef1 8	0.562 60139 1	0.954 68929 8	0.804 55585 2	1.076 0.252 00249	1.277 04342 7	0.345 32446 5	0.429 51920 8	0.3528 07586	- 1.5339 75545	- 1.2192 05445
TRCN 000011 1486	NM_008581 .1-2185s1c1	172 76	Mela	0.371 21231 4	0.952 65403 1	0.614 65602 9	1.076 84005 5	1.274 32094 6	0.263 81731 5	1.835 39253	0.3497 28675	- 1.9223 8884	- 0.8760 88641
TRCN 000017 6315	NM_198161 .1-1908s1c1	702 37	Bhlhb9	1.714 03691 3	0.952 24271 3	0.040 15615 9	3.736 21081 5	1.273 77074 5	0.017 23547 7	6.368 08910 3	0.3491 05643	- 5.8584 74933	- 2.6708 60522
TRCN 000009 4957	NM_023051 .1-680s1c1	659 45	Clstn1	0.195 41200 5	0.951 64105 2	1.504 84505 1	0.042 70379 2	1.272 96593 1	0.645 89650 5	0.072 78538 8	0.3481 93808	- 0.6306 25082	- 3.7802 07345
TRCN 000010 3103	NM_010362 .1-763s1c1	148 73	Gstol	0.440 11084 1	0.949 86620 7	0.712 95406 6	0.391 20571 3	1.270 59180 3	0.306 00794 4	0.666 78058 7	0.3455 00617	- 1.7083 58991	- 0.5847 15994
TRCN 000007 1115	NM_007842 .1-165s1c1	132 11	Dhx9	0.313 54637 5	0.949 68188 2	0.384 72290 2	1.715 95752 9	1.270 34524 1	0.165 12741 8	2.924 71998 7	0.3452 2063	- 2.5983 48408	- 1.5482 98507
TRCN 000007 1948	NM_011594 .2-2370s1c1	218 58	Timp2	0.585 56169 6	0.949 04504 7	1.878 98377 7	1.420 80716 9	1.269 49337 5	0.806 48107 5	2.421 65849 2	0.3442 52866	- 0.3102 87416	- 1.2759 95427
TRCN 000003 9405	NM_020004 .1-1996s1c1	145 34	Gcn5l2	0.662 83392 6	0.948 88335	1.167 19679 1	0.290 39116 1	1.269 27708 1	0.500 97405 5	0.494 94979 8	0.3440 07042	- 0.9971 92205	- 1.0146 45892
TRCN 000002 9949	NM_008981 .1-3820s1c1	192 70	Ptprg	0.270 76878 8	0.947 57810 7	2.196 59762 8	0.591 86250 7	1.267 53111 8	0.942 80452 9	1.008 78493 4	0.3420 21166	- 0.0849 69406	- 0.0126 18635
TRCN 000002 6223	NM_008173 .1-821s1c1	148 15	Nr3c1	0.235 32830 3	0.946 82315	0.010 33271	43.26 32731 4	1.266 52124 7	0.004 43491 6	73.73 8981	0.3408 7128	- 7.8168 77493	- 6.2043 55575
TRCN 000019 4060	NM_026014 .3-1805s1c1	671 77	Cdt1	1.406 67881 6	0.943 61699 7	0.823 09985 1	4.438 10457 6	1.262 23252 5	0.353 28375 9	7.564 41399 8	0.3359 77704	- 1.5011 00665	- 2.9192 28324
TRCN 000012 0820	NM_178804 .2-4630s1c1	205 63	Slit2	0.109 22943 3	0.941 78568 4	0.018 49546 3	1.259 1 1	1.259 78286 3	0.007 93846 2	1.704 42446 1	0.3331 75091	- 6.9769 24792	- 0.7692 84661
TRCN 000007 7767	NM_009828 .1-890s1c1	124 28	Ccna2	0.208 29635 5	0.941 62476 2	0.461 67250 8	0.109 57454 1	1.259 56760 6	0.198 15505 9	0.186 76152 8	0.3329 2856	- 2.3352 98297	- 2.4207 30797
TRCN 000011 5402	NM_026568 .1-807s1c1	681 26	Fahd2a	0.161 22796 7	0.941 27474	0.030 27134 9	1.259 1 1	1.259 09939 8	0.012 99280 5	1.704 42446 1	0.3323 92179	- 6.2661 43234	- 0.7692 84661
TRCN 000001 2855	NM_009773 .1-1024s1c1	122 36	Bub1b	0.834 24849 8	0.940 99124 7	1.840 30921 5	0.142 93635 7	1.258 72018 2	0.789 88151 5	0.243 62422 4	0.3319 57603	- 0.3402 91834	- 2.0372 70507

TRCN 000001 2560	NM_007905 .1-2817slc1	136 19	Phc1	0.060 16669 8	0.940 91136 5	0.112 74851 7	0.781 11937 5	1.258 61332 8	0.048 39293 8	1.331 35896 9	0.3318 35125	4.3690 59668	- 0.4128 99612
TRCN 000003 1703	NM_012055 .1-821slc1	270 53	Asns	0.412 40954 2	0.940 70504 9	0.459 56782	0.051 2975	1.258 33734 8	0.197 25170 3	0.087 43271 4	0.3315 18747	2.3418 90341	- 3.5156 83015
TRCN 000010 5837	NM_198894 .1-2579slc1	109 934	Abr	0.248 58421 9	0.938 78713 2	1.699 76898 5	0.041 19013 3	1.255 77184 5	0.729 56006 1	0.070 20547 1	0.3285 74367	0.4549 01343	- 3.8322 72732
TRCN 000009 7388	NM_145354 .2-1728slc1	281 14	Nsun2	0.446 10017 2	0.936 82256 8	0.822 62359 1	1.349 17791 1	1.253 14393 5	0.353 07934 3	2.299 57183 4	0.3255 52131	1.5019 35675	- 1.2013 65265
TRCN 000002 7098	NM_009504 .2-675slc1	223 37	Vdr	0.588 03918 3	0.936 76408	0.276 16602 8	12.95 77881 5	1.253 06569 7	0.118 53358 1	22.08 55710 7	0.3254 62056	3.0766 32263	- 4.4650 32232
TRCN 000008 8837	NM_011499 .1-719slc1	209 01	Strap	0.067 40435 2	0.936 14501 2	0.339 96409 8	2.811 28313 5	1.252 23759 9	0.145 91643 3	4.791 61974 1	0.3245 08324	2.7767 85724	- 2.2605 13422
TRCN 000009 0676	XM_126660 .1-625slc1	757 06	231005 8N18Ri k	1.641 67672 6	0.935 11124 7	0.833 54217 7	0.719 68952 8	1.250 85478	0.357 76572 4	1.226 65643 6	0.3229 14308	1.4829 1292	- 0.2947 31233
TRCN 000012 0074	NM_007998 .3-560slc1	141 51	Fech	0.221 27229 7	0.932 41791 7	0.680 92749 5	1.820 61927 7	1.247 25203 8	0.292 26177 7	3.103 10802 9	0.3187 53027	1.7746 66934	- 1.6337 13922
TRCN 000002 3766	NM_152809 .1-208slc1	704 25	Csnk1g 3	0.465 17398 1	0.931 86552 1	1.648 79742 6	0.004 26933 9	1.246 51312 3	0.707 68249 1	0.007 27676 6	0.3178 98071	0.4988 2587	- 7.1024 86788
TRCN 000009 3043	NM_016750 .1-496slc1	517 88	H2afz	0.399 78364 8	0.929 78686 8	0.640 88123 8	0.976 86331 1	1.243 73260 6	0.275 07347 1	1.664 98972 2	0.3146 76349	1.8621 11087	- 0.7355 13271
TRCN 000012 4473	NM_020010 .2-1829slc1	131 21	Cyp51	0.273 21629 4	0.929 68326 4	0.697 98082 4	1.415 05786 4	1.243 59402	0.299 58125 9	2.411 85923 7	0.3145 15584	1.7389 80721	- 1.2701 4571
TRCN 000001 1923	NM_133753 .1-1748slc1	741 55	Errf1	1.647 80482 2	0.929 59715 3	0.855 34351 7	0.602 38407 5	1.243 47883 3	0.367 12310 5	1.026 71815 2	0.3143 81949	1.4456 6418	- 0.0380 40197
TRCN 000006 7315	NM_010509 .1-1501slc1	159 76	Ifnar2	0.172 00372 2	0.929 09740 6	0.057 21749 8	0.308 47893 7	1.242 81034 5	0.024 55839 7	0.525 77904 6	0.3136 06155	5.3476 39813	- 0.9274 71449
TRCN 000006 6524	XM_133956 .3-267slc1	213 002	Ifitm6	0.081 43009 6	0.926 91095 9	0.246 99640 2	1.645 86025 8	1.239 88563 6	0.106 01364 7	2.805 24448 2	0.3102 07056	3.2376 78098	- 1.4881 2651
TRCN 000006 7773	NM_022415 .2-377slc1	642 92	Ptges	0.446 83729 3	0.926 11414 7	2.049 44215	0.190 27428 5	1.238 81977 8	0.879 64373 5	0.324 30814 6	0.3089 66321	0.1850 0876	- 1.6245 62832
TRCN 000007 7532	XM_132163 .4-357slc1	732 46	Rassf6	0.032 12451 5	0.925 92802 9	2.473 65016 9	9.593 10945 2	1.238 57081 7	1.061 71861 1	16.35 07304	0.3086 76359	0.0864 01457	- 4.0312 83179
TRCN 000005 4702	NM_009263 .1-1048slc1	207 50	Spp1	0.355 40758 7	0.925 80566 6	0.433 22789 2	0.083 83390 5	1.238 40713 7	0.185 94630 8	0.142 88855 9	0.3084 85691	2.4270 41994	- 2.8070 3769
TRCN 000011 1979	NM_133218 .1-1524slc1	170 753	Zfp704	0.428 89904	0.925 06333	0.364 25217	4.468 67372 9	1.237 41414 9	0.156 34114 8	7.616 51681 1	0.3073 28436	2.6772 30555	- 2.9291 31375
TRCN 000008 0968	NM_177594 .1-2013slc1	210 376	Mtmr9	0.358 24302 2	0.923 83089 9	1.825 91454 4	0.189 94227 5	1.235 76558 4	0.783 70316	0.323 74225 9	0.3054 051	0.3516 20781	- 1.6270 82399
TRCN 000002 6982	NM_152804 .1-683slc1	206 20	Plk2	0.305 84232 7	0.922 20700 6	0.507 59835 2	0.538 7332	1.233 59337 7	0.217 86695	0.918 23004 4	0.3028 66925	2.1984 80736	- 0.1230 72457
TRCN 000002 2717	NM_008926 .2-1710slc1	190 92	Prkg2	1.102 90050 2	0.918 89222 3	0.987 85345 2	1.237 72032 5	1.229 15934 7	0.423 99786 7	2.109 60079 8	0.2976 71957	1.2378 71087	- 1.0769 70022
TRCN 000008 0633	NM_008813 .2-3041slc1	186 05	Enpp1	0.726 26744 5	0.918 80602 3	1.487 50341 7	0.435 93232 9	1.229 04404 1	0.638 45327 9	0.743 01372 6	0.2975 36614	0.6473 47044	- 0.4285 39233
TRCN 000006 9039	NM_028787 .2-872slc1	741 50	Slc35f5	0.347 56937 5	0.917 49789 2	1.628 26584 9	0.963 35940 6	1.227 29421 5	0.698 87010 6	1.641 97333 6	0.2954 81143	0.5169 03757	- 0.7154 30699

TRCN 000005 4957	NM_009721 .2-604s1c1	119 31	Atp1b1	0.790 34746 3	0.917 49770 7	1.803 93431 6	0.761 08826 4	1.227 29396 7	0.774 26899 8	1.297 21745 4	0.2954 80851	0.3690 93218	0.3754 2034
TRCN 000009 7256	XM_284495 .2-2178s1c1	330 938	Dixdc1	1.583 49038 7	0.917 44572 6	0.318 01215 2	2.401 16434 3	1.227 22443 4	0.136 49441 1	4.092 60324 1	0.2953 99113	2.8730 86228	2.0330 18811
TRCN 000005 5282	NM_008828 .1-761s1c1	186 55	Pgk1	0.547 97756 6	0.915 24630 8	0.540 03129 6	3.010 53846 9	1.224 28237 6	0.231 78753 6	5.131 23540 7	0.2919 36349	2.1091 25104	2.3593 06214
TRCN 000007 6186	NM_172015 .1-428s1c1	105 148	Iars	0.507 68494 3	0.915 13924 1	1.052 41738 1	0.097 58893 2	1.224 13915 7	0.451 70943 5	0.166 33296 2	0.2917 67569	1.1465 33046	2.5878 54001
TRCN 000012 4881	NM_177124 .3-3292s1c1	213 988	Tnrc6b	0.221 98134 2	0.911 21215 5	3.547 27417 7	0.035 55549 6	1.218 88607 8	1.522 53017 7	0.060 60165 7	0.2855 63292	0.6064 70817	4.0444 9896
TRCN 000019 7659	NM_013865 .1-903s1c1	298 12	Ndr3	0.505 56932 1	0.911 04142 8	0.227 10346 1	0.663 12539 4	1.218 65770 3	0.097 47537 3	1.130 24714 2	0.2852 92958	3.3588 18426	0.1766 3827
TRCN 000009 6439	NM_010657 .2-8577s1c1	166 56	Hivep3	0.632 90377 7	0.910 43938 3	1.236 71162 6	0.177 49096 6	1.217 85237 5	0.530 81060 8	0.302 51994 5	0.2843 39265	0.9137 30893	1.7248 97835
TRCN 000010 0666	NM_010762 .2-586s1c1	171 53	Mal	0.233 50357 3	0.908 26821 4	1.602 48924 2	1.415 18818 9	1.214 94810 5	0.687 80649 5	2.412 08136 6	0.2808 94692	0.5399 25355	1.2702 78574
TRCN 000012 6673	NM_172506 .1-3863s1c1	117 606	Boc	0.162 30949 8	0.907 74785 7	0.160 86653 5	9.016 32237 2	1.214 25204 7	0.069 04573 5	15.36 76404	0.2800 67919	3.8563 03891	3.9418 2376
TRCN 000009 1487	NM_009930 .1-3808s1c1	128 25	Col3a1	0.284 27040 5	0.907 43278 8	0.051 14089 8	15.23 19563 4	1.213 83058 4	0.021 95025 2	25.96 17189	0.2795 67077	5.5096 18712	4.6983 14001
TRCN 000011 3399	NM_013853 .1-963s1c1	274 07	Abcf2	0.347 96413 7	0.903 18992 7	0.547 64973 9	1.128 46564 2	1.208 15511 6	0.235 05745 8	1.923 38444 3	0.2728 05696	2.0889 14641	0.9436 47155
TRCN 000010 2335	NM_133188 .1-1477s1c1	702 48	Dazap1	1.266 20971 6	0.902 34784 1	0.821 39378 7	1.175 54821 9	1.207 02869 6	0.352 55149 7	2.003 63313 9	0.2714 59976	1.5040 94086	1.0026 18378
TRCN 000008 0598	NM_019807 .2-1965s1c1	563 18	Acpp	0.506 86924 1	0.902 18841 3	1.030 00390 5	0.008 06360 8	1.206 81543 7	0.442 08931 8	0.013 74381	0.2712 05056	1.1775 9022	6.1850 74163
TRCN 000002 3311	NM_009465 .2-1801s1c1	263 62	Axl	0.069 56061 5	0.901 07928 3	1.045 4166 8	1.417 16510 8	1.205 33180 7	0.448 70462 1	2.415 45087 6	0.2694 3035	1.1561 62054	1.2722 92512
TRCN 000010 1882	NM_144900 .1-936s1c1	119 28	Atp1a1	0.479 17487 9	0.898 48354 1	0.703 43563 8	1.393 53993 6	1.201 85960 3	0.301 92252 7	2.375 18355 4	0.2652 68375	1.7277 49694	1.2480 39009
TRCN 000009 9049	NM_029571 .1-995s1c1	100 087	Kti12	0.184 52191 9	0.896 98788 6	5.192 62333 8	0.375 31024 9	1.199 85893 5	2.228 73262 7	0.639 68796 8	0.2628 64801	1.1562 23552	0.6445 59747
TRCN 000019 0717	NM_007900 .1-1987s1c1	136 05	Ect2	0.446 77878 8	0.896 75420 1	4.076 28161 7	0.210 60182 6	1.199 54634 6	1.749 58614 5	0.358 95490 5	0.2624 88899	0.8070 13697	1.4781 25485
TRCN 000010 8509	NM_177152 .4-3012s1c1	320 398	Lrig3	0.687 27304 3	0.896 01426 7	0.762 66263 2	0.989 84059 3	1.198 55657 3	0.327 34342 2	1.687 10851 9	0.2612 98004	1.6111 23108	0.7545 52774
TRCN 000018 3808	NM_029523 .2-854s1c1	761 31	Depdc1 a	1.056 52050 3	0.894 72358 6	1.014 61860 3	0.381 26714 1	1.196 83008 6	0.435 48577 2	0.649 84104 2	0.2592 18347	1.1993 02509	0.6218 41233
TRCN 000008 0508	NM_011459 .2-1650s1c1	207 25	Serp1nb 8	0.584 65225 8	0.894 66468 4	2.217 32771 3	0.376 72859 3	1.196 75129 5	0.951 70211 5	0.642 10542 9	0.2591 23368	0.0714 18018	0.6391 17898
TRCN 000008 6038	NM_175009 .2-1651s1c1	223 527	Eny2	0.160 30808 4	0.894 35943 3	0.458 06424 3	0.862 28035 1	1.196 34297 5	0.196 60635 1	1.469 69172 3	0.2586 3105	2.3466 18172	0.5555 13573
TRCN 000007 0608	NM_010055 .2-600s1c1	133 93	Dlx3	0.204 91222 5	0.893 86481 2	0.204 79322 1	1.195 68134 5	0.087 89956 5	1.704 42446 1	0.2578 32955	3.5080 00167	0.7692 84661	
TRCN 000008 0634	NM_008813 .2-2440s1c1	186 05	Enpp1	0.471 94008 6	0.892 82624 3	0.021 15412 3	2.207 52209 5	1.194 29209 5	0.009 07958 9	3.762 55464 8	0.2561 55728	6.7831 5734	1.9117 12536

TRCN 000003 7344	NM_178779 .2-648slcl	320 311	Rnf152	0.874 88243 3	0.892 50053 8	0.139 37962 9	0.969 65232 2	1.193 85641 8	0.059 82331 2	1.652 69913 6	0.2556 29338	4.0631 48407	- 0.7248 24115
TRCN 000017 7739	NM_027250 .2-342slcl	698 93	201030 5A19Ri k	0.245 99181 3	0.891 54284 6	0.046 77806 2	39.71 57535 97829	1.192 57535 8	0.020 07767 3	67.69 93695 5	0.2540 80432	5.6382 64127	- 6.0810 70494
TRCN 000000 8467	NM_007597 .2-185slcl	123 30	Canx	0.751 83756 9	0.891 01804 9	0.601 62832 1	0.999 26702 8	1.191 87336 1	0.258 22567 6	1.703 17516 6	0.2532 30955	1.9532 95639	0.7682 26819
TRCN 000006 7182	NM_008005 .1-696slcl	141 72	Fgf18	0.150 19448 1	0.889 73867 4	3.195 79996 1	1.987 37636 3	1.190 16200 1	1.371 67346 5	3.387 33288 6	0.2511 57962	0.4559 3708	1.7601 49773
TRCN 000012 6669	NM_172506 .1-3864slcl	117 606	Boc	0.229 79544 2	0.889 14928 6	0.735 29007 6	0.641 49656 6	1.189 37360 5	0.315 59481 1	1.093 38243 8	0.2502 01964	1.6638 54609	- 0.1287 98108
TRCN 000019 2326	NM_175003 .2-3437slcl	216 831	AU040 829	0.642 07448 8	0.888 34753 1	1.948 64245 9	0.040 66700 5	1.188 30113 4	0.836 37936 8	0.069 31383 8	0.2489 00483	0.2577 70621	- 3.8507 12786
TRCN 000002 8683	XM_358310 .1-1236slcl	110 789	Gpr98	0.159 33743 6	0.887 83100 2	0.801 92006 1	0.863 82287 4	1.187 61019 8	0.344 19315 4	1.472 32083 6	0.2480 61387	1.5387 09693	0.5580 92086
TRCN 000019 2084	NM_177864 .2-435slcl	329 918	A03001 3N09Ri k	0.420 69394 4	0.887 38407 7	0.298 08756 6	0.034 77783 2	1.187 01236 7	0.127 94255 2	0.059 27618 8	0.2473 34966	2.9664 31925	- 4.0764 03511
TRCN 000006 6818	NM_009505 .2-592slcl	223 39	Vegfa	0.230 86642 4	0.885 97832 7	0.309 68722 2	0.042 21728 7	1.185 13196 6	0.132 92125 6	0.071 95617 6	0.2450 47707	2.9113 56263	- 3.7967 37671
TRCN 000010 6343	NM_198617 .1-554slcl	241 732	Tspsy13	0.172 57106 2	0.885 42784 7	0.189 04184 2	29.08 07263 8	1.184 39560 9	0.081 13889 5	49.56 59013 7	0.2441 51048	3.6234 62532	5.6312 76061
TRCN 000012 6454	NM_023516 .3-654slcl	695 73	231001 6C08Ri k	1.117 30913 6	0.885 14236 2	0.417 67821 8	0.674 52169 8	1.184 01372 9	0.179 27220 9	1.149 67128 1	0.2436 8581	2.4797 76241	- 0.2012 21418
TRCN 000012 6670	NM_172506 .1-3436slcl	117 606	Boc	0.492 34001 5	0.884 93294 6	0.420 66991 6	0.042 19883 2	1.183 73359 5	0.180 55628 2	0.071 92472 2	0.2433 44432	2.4694 79475	- 3.7973 68453
TRCN 000008 6612	XM_283603 .2-372slcl	167 64	Aff3	0.102 23938 7	0.883 23355 4	1.445 30602 4	0.119 40143 7	1.181 4604 6	0.620 34168 2	0.203 51072 9	0.2405 71274	0.6888 6503	- 2.2968 23238
TRCN 000008 7889	NM_133718 .2-1157slcl	699 81	Tmem3 0a	0.229 56759 2	0.882 61956 4	0.386 10294 2	2.052 72012 7	1.180 63909 9	0.165 71974 7	3.498 70639 5	0.2395 68025	2.5931 82576	- 1.8068 21602
TRCN 000006 5815	NM_170786 .1-769slcl	128 03	Cntf	0.050 49255 3	0.882 11662 3	0.070 09266 4	2.207 52209 8	1.179 96633 8	0.030 08456 3	3.762 55464 8	0.2387 45704	5.0548 32767	1.9117 12536
TRCN 000017 5475	NM_010417 .1-2944slcl	152 03	Heph	0.600 18218 6	0.881 53078 6	1.250 90894 1	0.418 47103 2	1.179 18269 2	0.536 90425 6	0.713 25226 3	0.2377 87254	0.8972 63254	- 0.4875 15675
TRCN 000012 3800	NM_030597 .2-381slcl	277 56	Lsm2	1.755 83407 4	0.880 93693 4	0.015 81984 7	0.781 11937 5	1.178 38832 3	0.006 79005 7	1.331 35896 9	0.2368 1504	7.2023 60532	0.4128 99612
TRCN 000010 6035	NM_028818 .1-3363slcl	742 06	261051 1M17Ri k	0.530 56401 6	0.877 32798 2	0.355 00083 6	6.325 64455 5	1.173 56079 7	0.152 37037 1	10.78 15833 1	0.2308 92583	2.7143 457	3.4304 97153
TRCN 000002 3998	NM_010019 .2-552slcl	131 43	Dapk2	0.235 55272 4	0.876 30427 1	0.488 47243 8	2.502 90132 8	1.172 19142 6	0.209 65789 2	4.266 00624 7	0.2292 0819	2.2538 9096	2.0928 86078
TRCN 000010 0830	NM_024436 .1-3139slcl	193 34	Rab22a	0.054 98288 9	0.876 05171 5	15.43 70545 4	0.032 87043 5	1.171 85359 3	0.056 6.625 75829	0.2517 3 3	0.2287 92336	2.7280 85574	- 4.1577 80983
TRCN 000012 7420	NM_026345 .2-1108slcl	677 29	Mansc1	0.128 98238 1	0.875 20548 4	0.730 53197 8	0.990 85301 7	1.170 72162 9	0.313 55258 2	1.688 83412	0.2273 98077	1.6732 20695	0.7560 27631
TRCN 000020 2155	NM_172943 .2-1561slcl	268 420	Alkbh5	0.532 37866 9	0.874 79037 6	1.826 83079 6	0.535 99372 4	1.170 16635 1	0.784 09642 6	0.913 56081 3	0.2267 13638	0.3508 97012	- 0.1304 27326
TRCN 000011 2788	NM_008536 .2-428slcl	171 12	Tm4sf1	0.279 81595 5	0.874 34973 4	3.050 60799 3	1.416 90583 3	1.169 57693 3	1.309 35542 9	2.415 00896 1	0.2259 86763	0.3888 56775	1.2720 28542

TRCN 000011 1487	NM_008581 .1-1637slcl	172 76	Mela	0.465 12577 2	0.874 30082 4	1.639 73941 8	0.332 21968 1	1.169 51150 8	0.703 79469 2	0.566 24335	0.2259 06057	- 0.5067 73462	- 0.8205 05892
TRCN 000009 8302	NM_011824 .3-685slcl	238 92	Grem1	0.151 65066 3	0.873 81284	3.473 30221 1	2.551 06672 2	1.168 85875 4	1.490 78056 7	4.348 10052 2	0.2251 00604	0.5760 67918	2.1203 85294
TRCN 000009 0655	NM_053252 .1-4012slcl	114 601	G43000 2G23Ri k	0.822 75179 9	0.873 35730 7	1.067 45992 9	0.792 67248 2	1.168 24941 2	0.458 16586 7	1.351 05036 7	0.2243 48308	1.1260 58113	0.4340 81459
TRCN 000011 1168	NM_015784 .1-1474slcl	507 06	Postn	0.188 25366 5	0.872 35019 4	1.181 31953 8	1.055 76363 8	1.166 90224 2	0.507 03569 8	1.799 46936 9	0.2226 83703	0.9798 40771	0.8475 71545
TRCN 000012 4318	NM_207675 .2-1320slcl	547 25	Igsf4a	0.027 26526 5	0.872 08297 9	0.218 70102 4	88.50 04770 6	1.166 5448	0.093 86895 1	150.8 42377 9	0.2222 41714	3.4132 08146	7.2368 97988
TRCN 000017 7127	NM_027250 .2-549slcl	698 93	201030 5A19Ri k	0.541 77620 9	0.871 45922 4	0.030 34997 4	2.357 20215 4	1.165 71043 2	0.013 02655 2	4.017 67301 1	0.2212 09461	6.2624 00953	2.0063 60151
TRCN 000007 5945	NM_172308 .2-632slcl	270 685	Mthfd1l	0.596 61810 8	0.871 11829 9	0.168 72095 2	1.832 69232 3	1.165 25439 3	0.072 41694 4	3.123 68562 4	0.2206 44951	3.7875 2898	1.6432 49264
TRCN 000009 3468	NM_028954 .1-762slcl	744 63	493341 7E01Ri k	0.359 77623 7	0.870 39903 2	0.436 96225 5	0.061 99028 9	1.164 29226 2	0.187 54913 9	0.105 65776 6	0.2194 53251	2.4146 59456	3.2425 29288
TRCN 000007 7633	NM_178045 .3-1332slcl	213 391	Rassf4	0.104 52609 6	0.870 33875 1	1.117 46249 4	0.543 28865 4	1.164 21162 8	0.479 62753 3	0.925 99447 1	0.2193 53332	1.0600 13617	0.1109 24515
TRCN 000010 9127	NM_015782 .2-578slcl	536 07	Snrpa	0.001 92774 2	0.870 33875 1	1.287 58176 4	0.471 50768 4	1.164 21162 8	0.552 64464 5	0.803 64923 1	0.2193 53332	0.8555 75982	0.3153 6215
TRCN 000002 9950	NM_008981 .1-3200slcl	192 70	Ptprg	0.262 80617 1	0.870 10700 3	2.716 96433 6	0.099 03753 9	1.163 90162 9	1.166 15180 2	0.168 80200 3	0.2189 6913	0.2217 55601	2.5665 96069
TRCN 000007 9364	NM_007513 .1-688slcl	119 87	Slc7a1	0.708 46758 3	0.869 53935	0.767 89333 2	1.345 09695 6	1.163 14230 6	0.329 58849 7	2.292 61615 4	0.2180 27616	1.6012 62202	1.1969 94829
TRCN 000017 5303	NM_001013 391.1- 511slcl	432 508	Cpsf6	0.188 80652 7	0.869 13296 8	4.390 26946 1	0.379 79173 4	1.162 59870 8	1.884 35327 4	0.647 32632 2	0.2173 53211	0.9140 69464	0.6274 34926
TRCN 000012 3975	NM_021314 .3-700slcl	577 52	Tacc2	8.575 89339 2	0.867 46691 8	0.158 89660 7	1.780 09063 2	1.160 37011 1	0.068 20022 5	3.034 03001 6	0.2145 8504	3.8740 79806	1.6012 35358
TRCN 000007 7145	NM_007868 .1-753slcl	134 05	Dmd	1.115 40060 6	0.867 35901 9	1.629 31515 1	0.369 14886 8	1.160 22577 9	0.699 32047 9	0.629 18636 1	0.2144 05579	0.5159 74342	0.6684 40698
TRCN 000011 9856	NM_007808 .2-207slcl	130 63	Cycs	0.187 01874 8	0.867 28219 3	0.062 95352 4	1	1.160 12301 2	0.027 02036 4	1.704 42446 1	0.2142 77788	5.2098 09075	0.7692 84661
TRCN 000018 0105	NM_026162 .2-1105slcl	674 48	Plxdc2	0.683 47662 3	0.864 54682 8	0.142 21243 5	0.056 13926 9	1.156 46404 1	0.061 03918 5	0.095 68514 4	0.2097 20408	4.0341 20501	3.3855 61239
TRCN 000019 1053	NM_030197 .1-1529slcl	788 32	270007 8E11Ri k	0.926 57868 4	0.864 07707 5	3.002 57934 8	0.271 91161 8	1.155 83567 6	1.288 74099 4	0.463 45281 4	0.2089 36306	0.3659 62345	1.1095 05636
TRCN 000003 3139	NM_011156 .2-1457slcl	190 72	Prep	0.084 80773 9	0.861 96918 5	8.588 75912 5	0.087 96684 1	1.153 01604 9	3.686 39249 2	0.149 93283 5	0.2054 12594	1.8822 09684	2.7376 11732
TRCN 000009 4941	NM_001003 672.1- 448slcl	353 237	Pcdhac 2	0.123 79305	0.861 96918 5	0.755 52600 5	1.603 76104 5	1.153 01604 9	0.324 28030 1	2.733 48955 4	0.2054 12594	1.6246 86709	1.4507 43862
TRCN 000004 1784	NM_029573 .2-759slcl	678 34	Idh3a	0.173 10469	0.861 62382 4	0.652 48509 9	1.730 51528 8	1.152 55407 6	0.280 05397 9	2.949 53258 7	0.2048 34441	1.8362 23168	1.5604 86348
TRCN 000009 1854	XM_484897 .2-423slcl	128 35	Col6a3	0.842 90705 2	0.860 78995 9	0.606 69164 7	0.640 22601 7	1.151 43865 4	0.260 39891 2	1.091 21688 3	0.2034 37549	1.9412 04673	0.1259 37871
TRCN 000007 7273	NM_019738 .1-428slcl	563 12	Nupr1	0.481 27077 8	0.860 45269	2.123 23963 2	1.490 67391	1.150 98750 3	0.911 31844 8	2.540 74107 5	0.2028 7217	0.1339 72822	1.3452 49359

TRCN 0000115401	NM_026568.1-874slc1	68126	Fahd2a	0.772087875	0.858725756	1.00326987	0.196619152	1.148677465	0.430614768	0.335122492	0.199973763	1.215530297	1.577239578
TRCN 0000125734	NM_027399.1-914slc1	70358	Steap1	0.53832969	0.858160267	0.929063829	0.704899934	1.147921037	0.398764696	1.201448689	0.199023405	1.326390405	0.264775036
TRCN 0000109336	NM_009980.2-1045slc1	13017	Ctbp2	0.594898831	0.858123995	0.39079989	2.491443267	1.147872517	0.167016773573	4.246476847	0.198962424	2.575738061	2.086266384
TRCN 0000091804	NM_007735.1-1056slc1	12829	Col4a4	0.31734777	0.857783659	0.308607113	0.029683874	1.147417266	0.132457661	0.050593921	0.198390132	2.916396807	4.304892145
TRCN 0000018470	NM_008548.2-2433slc1	17155	Man1a	0.275886702	0.85664652	0.013733162	94.6313999	1.145896167	0.005894428	161.2920728	0.196476323	7.406432429	7.333531724
TRCN 0000079794	NM_026532.2-187slc1	68051	Nutf2	0.63066009	0.856626033	1.852380375	0.136940169	1.145868763	0.795062594	0.233404174	0.196441821	0.330859649	2.099097732
TRCN 0000084300	NM_011532.1-676slc1	21380	Tbx1	0.051945532	0.854828554	0.498657473	0.308478937	1.143464359	0.214029424	0.525779046	0.193411399	2.22411895	0.927471449
TRCN 0000029861	NM_008737.1-539slc1	18186	Nrp1	0.171830888	0.854250008	1.987860793	0.015506796	1.142690465	0.85321232	0.026430162	0.192434656	0.229023297	5.24167093
TRCN 0000009752	NM_028133.1-912slc1	112407	Egln3	1.16991808	0.851431608	1.211647672	0.442746623	1.138920422	0.520052876	0.754628175	0.187666948	0.94326978	0.406162129
TRCN 0000176661	NM_027171.1-578slc1	69697	2310057J16Rik	1.036972821	0.851430363	1.327293885	1.258210909	1.138918758	0.569689537	2.14452545	0.187664839	0.811752184	1.100658437
TRCN 0000096443	NM_010657.2-1755slc1	16656	Hivep3	0.237356127	0.849310057	1.520047694	0.760048246	1.136082522	0.652421651	1.295444822	0.184067632	0.616123436	0.373447567
TRCN 0000097138	NM_010586.1-3212slc1	16439	Itrp2	0.233829852	0.849276487	0.723711634	3.265876035	1.136037618	0.310625213	5.566439	0.184010608	1.686753158	2.476754692
TRCN 0000018493	NM_019830.1-833slc1	15469	Prmt1	0.065089382	0.848528619	1.280214052	1.252728825	1.13503723	0.549482341	2.135181651	0.182739619	0.863854978	1.094358813
TRCN 0000022962	XM_140553.3-120slc1	240505	Cdc42bpg	0.028804523	0.848528619	2.120856209	0.756185657	1.13503723	0.910295456	1.28886133	0.182739619	0.135593216	0.366097051
TRCN 0000023624	XM_194688.1-57slc1	271709	Gm642	0.095010352	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000023871	NM_024182.2-644slc1	66878	Riok3	0.095010352	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000024100	XM_357516.1-244slc1	384242	UNK	0.077253908	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000024387	NM_133926.1-865slc1	52163	Camk1	0.010504668	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000024702	NM_054097.2-281slc1	117150	Pip5k2c	0.056234591	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000025257	NM_011035.1-597slc1	18479	Pak1	0.016305891	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000026696	NM_173032.1-1968slc1	271981	A630047E20Rik	0.033468939	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000026839	NM_009216.2-1145slc1	20605	Sstr1	0.006047726	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661
TRCN 0000027854	NM_175936.1-1883slc1	216144	AJ543404	0.026928099	0.848528619			1.13503723	0.429211303	1.704424461	0.182739619	1.220240027	0.769284661

TRCN 000002 9014	NM_008976 .1-878slcl	192 50	Ptpn14	0.011 06715 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000003 0375	NM_146967 .1-168slcl	258 969	Olf122 6	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000003 0568	NM_019861 .1-686slcl	564 64	Ctsf	0.044 20677 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000003 2452	NM_009619 .2-116slcl	114 97	Adam3	0.077 25390 8	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	0.4128 99612
TRCN 000003 2538	NM_029614 .2-692slcl	764 53	Prss23	0.095 01035 2	0.848 52861 9	1	1.603 76104 5	1.135 03723	0.429 21130 3	2.733 48955 4	0.1827 39619	1.2202 40027	- 1.4507 43862
TRCN 000004 1218	NM_181989 .1-345slcl	242 285	Rdhe2	0.056 23459 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000004 1463	NM_053080 .2-1535slcl	568 47	Aldh1a 3	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000004 1540	NM_008278 .1-764slcl	154 46	Hpgd	0.020 31210 4	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000004 2106	NM_026172 .3-511slcl	674 60	Decr1	0.039 93589 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000004 2140	NM_008898 .1-946slcl	189 84	Por	0.003 92371 8	0.848 52861 9	1	1.603 76104 5	1.135 03723	0.429 21130 3	2.733 48955 4	0.1827 39619	1.2202 40027	- 1.4507 43862
TRCN 000004 2355	NM_153162 .2-1862slcl	232 223	Txnrd3	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000005 4413	NM_007921 .1-1088slcl	137 10	Elf3	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000005 4415	NM_007921 .1-329slcl	137 10	Elf3	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000005 4745	NM_011251 .1-1897slcl	196 54	Rbm6	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000005 4888	NM_009382 .2-143slcl	218 38	Thyl	0.012 77765 9	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	0.4128 99612
TRCN 000005 4930	NM_019980 .1-468slcl	567 22	Litaf	0.033 46893 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000006 5938	NM_020257 .1-635slcl	936 75	Clec2i	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000006 6110	NM_010654 .1-27slcl	166 43	Klrd1	0.049 50051 7	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	0.4128 99612
TRCN 000006 6199	NM_010099 .1-1270slcl	136 07	Eda	0.030 96204 4	0.848 52861 9	59.00 43088	0.016 94791 5	1.135 03723	25.32 53162 4	0.028 88644 1	0.1827 39619	4.6625 08379	5.1134 63745
TRCN 000006 6213	NM_011345 .1-1861slcl	203 39	Sele	0.077 25390 8	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	0.4128 99612
TRCN 000006 6819	NM_009505 .2-780slcl	223 39	Vegfa	0.009 53539 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000006 6900	NM_007447 .2-292slcl	117 27	Ang1	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000006 7858	NM_008968 .2-887slcl	192 23	Ptgis	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661

TRCN 000006 7888	NM_019521 .1-2336s1c1	144 56	Gas6	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000006 7928	NM_145741 .2-1636s1c1	145 60	Gdf10	0.044 20677 1	0.848 52861 9	3.521 92646 9	0.283 93551 3	1.135 03723	1.511 65064 8	0.483 94663 4	0.1827 39619	0.5961 24762	- 1.0470 80128
TRCN 000006 8982	NM_032397 .1-508s1c1	840 36	Kcnn1	0.039 93589 6	0.848 52861 9	4.642 78267 8	0.215 38807	1.135 03723	1.992 73480 1	0.367 11269 5	0.1827 39619	0.9947 49725	- 1.4457 05091
TRCN 000007 0024	NM_021712 .1-889s1c1	205 08	Slc18a3	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 0083	NM_175015 .1-508s1c1	228 033	Atp5g3	0.005 41404 8	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	- 0.4128 99612
TRCN 000007 0987	NM_011623 .1-970s1c1	219 73	Top2a	0.039 93589 6	0.848 52861 9	4.082 35457 4	0.244 95667 4	1.135 03723	1.752 19272 5	0.417 51014 8	0.1827 39619	0.8091 61466	- 1.2601 16832
TRCN 000007 1336	NM_025788 .2-1484s1c1	668 30	Btbd14 b	0.022 52586 6	0.848 52861 9	1	5	1.135 03723	0.429 21130 3	2.733 48955 4	0.1827 39619	- 1.2202 40027	1.4507 43862
TRCN 000007 1676	NM_008973 .1-1845s1c1	192 42	Ptn	0.026 92809 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 1834	NM_183389 .1-1459s1c1	278 672	111005 1B16Ri k	0.056 23459 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 1846	NM_181392 .1-204s1c1	664 67	Gtf2h5	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 1998	NM_011519 .1-304s1c1	209 69	Sdc1	0.014 58044 5	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 2051	NM_011294 .2-421s1c1	200 24	Sub1	0.012 39452 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 2106	NM_028232 .1-550s1c1	724 15	Sgoll	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 7147	NM_007868 .1-6094s1c1	134 05	Dmd	0.044 20677 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000007 7357	NM_011890 .2-929s1c1	240 51	Sgcb	0.065 08938 2	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	- 0.4128 99612
TRCN 000007 8963	NM_008882 .1-6274s1c1	188 45	Plxna2	0.019 36075 1	0.848 52861 9	37.42 78267 8	0.688 10307 9	1.135 03723	16.06 44462 9	1.172 81971 9	0.1827 39619	4.0057 9935	0.2299 81265
TRCN 000008 4381	NM_009554 .1-1035s1c1	226 96	Zfp37	0.015 68708 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 4565	NM_145151 .1-61s1c1	233 490	Zf	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 5674	NM_023814 .2-1241s1c1	763 65	Tbx18	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 5804	NM_026836 .1-666s1c1	687 76	Taf11	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 6191	NM_177899 .2-1013s1c1	330 788	D33003 8O06Ri k	0.003 35114 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 6911	XM_485626 .1-49s1c1	433 903	UNK	0.044 20677 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 8342	NM_008502 .1-324s1c1	168 97	Llg11	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661

TRCN 000008 8455	NM_008831 .2-317s1c1	186 73	Phb	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 8511	NM_021389 .3-152s1c1	581 94	Sh3kbp 1	0.036 41754 8	0.848 52861 9	2.681 28431 3	0.372 9556	1.135 03723	1.150 83753 3	0.635 67464 8	0.1827 39619	0.2026 84178	- 0.6536 39544
TRCN 000008 8560	NM_030704 .1-667s1c1	808 88	Hspb8	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000008 9188	NM_011915 .1-1660s1c1	241 17	Wif1	0.022 52586 6	0.848 52861 9	2.681 28431 3	0.372 9556	1.135 03723	1.150 83753 3	0.635 67464 8	0.1827 39619	0.2026 84178	- 0.6536 39544
TRCN 000009 0563	NM_016799 .1-2768s1c1	517 96	Srrm1	0.095 01035 2	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	- 0.8638 54978	0.4128 99612
TRCN 000009 1099	NM_054100 .1-606s1c1	117 172	231003 4C09Ri k	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 1246	NM_033374 .1-1020s1c1	941 76	Dock2	0.044 20677 1	0.848 52861 9	2.681 28431 3	0.372 9556	1.135 03723	1.150 83753 3	0.635 67464 8	0.1827 39619	0.2026 84178	- 0.6536 39544
TRCN 000009 3058	NM_175665 .1-192s1c1	319 184	Hist1h2 bk	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 3898	NM_145619 .2-715s1c1	235 587	Parp3	0.025 28119 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 4087	NM_007767 .1-2757s1c1	129 37	Pcdha6	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 4205	NM_008480 .1-1827s1c1	167 72	Lama1	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 4686	NM_033588 .2-2105s1c1	937 13	Pcdhga 5	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 4998	NM_019571 .1-417s1c1	562 24	Tspan5	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 5210	NM_028335 .1-1315s1c1	727 20	Zfp248	0.044 20677 1	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	- 0.8638 54978	0.4128 99612
TRCN 000009 5586	NM_001002 008.1- 956s1c1	381 066	BC0498 07	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 6016	NM_178668 .3-1711s1c1	211 948	E43002 8B21Ri k	0.065 08938 2	0.848 52861 9	1	304.0 88044 5	1.135 03723	0.429 21130 3	518.2 95101 3	0.1827 39619	- 1.2202 40027	9.0176 29948
TRCN 000009 6237	NM_021399 .1-436s1c1	582 08	Bcl11b	0.049 50051 7	0.848 52861 9	1	1.603 76104 5	1.135 03723	0.429 21130 3	2.733 48955 4	0.1827 39619	- 1.2202 40027	1.4507 43862
TRCN 000009 6882	NM_009951 .2-890s1c1	140 486	Igf2bp1	0.033 46893 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000009 8014	NM_130893 .2-226s1c1	170 729	Sert1	0.006 73775 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000010 0373	NM_007476 .2-426s1c1	118 40	Arf1	0.025 28119 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000010 0758	NM_016810 .2-351s1c1	533 34	Gosr1	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000010 1142	NM_008529 .2-191s1c1	170 69	Ly6e	0.019 36075 1	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	- 1.2202 40027	0.7692 84661
TRCN 000010 1152	NM_178885 .2-803s1c1	988 70	AI1823 71	0.021 36178 4	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	- 0.8638 54978	0.4128 99612

TRCN 000010 2089	NM_172838 .1-289slc1	240 638	Slc16a1 2	0.033 46893 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 2691	NM_181988 .1-468slc1	232 441	Rerg	0.036 41754 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 2782	NM_199013 .1-721slc1	210 145	Irgc1	0.030 96204 4	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 3042	NM_008166 .1-1794slc1	148 03	Grid1	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 3647	NM_027835 .1-2911slc1	715 86	Ifih1	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 3650	NM_144886 .1-1151slc1	227 715	Exosc2	0.026 92809 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 4007	NM_172303 .3-570slc1	269 424	Phf17	0.039 93589 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 4144	NM_207635 .1-228slc1	200 88	Rps24	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 4458	NM_022994 .2-1019slc1	651 11	Dap3	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 4550	NM_026555 .1-1240slc1	523 77	Rcn3	0.056 23459 1	0.848 52861 9	1.280 21405 2	2.195 94772 5	1.135 03723	0.549 48234 1	3.742 82701 6	0.1827 39619	0.8638 54978	1.9041 28372
TRCN 000010 5785	NM_011063 .1-177slc1	186 11	Pea15	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 6471	NM_138682 .1-1883slc1	192 198	Lrrc4	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 8605	NM_146236 .1-599slc1	237 052	Tceal1	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000010 8683	NM_145575 .1-1495slc1	109 624	Cald1	0.065 08938 2	0.848 52861 9	1	5.226 32731 4	1.135 03723	0.429 21130 3	8.907 88011 4	0.1827 39619	1.2202 40027	- 3.1550 82142
TRCN 000011 1171	NM_019636 .1-2311slc1	579 15	Tbcd1	0.025 28119 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000011 2593	NM_027893 .1-1682slc1	717 40	Pvr14	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000011 3120	NM_021710 .1-816slc1	117 82	Ap4s1	0.018 49452 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000011 3143	NM_025360 .1-327slc1	661 11	Tmed3	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000011 4967	NM_138305 .2-1057slc1	104 111	Adcy3	0.033 46893 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000011 9819	NM_011069 .2-419slc1	186 32	Pex11b	0.005 34405 4	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000012 3814	NM_170760 .2-238slc1	233 073	U2af114	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000012 5603	NM_175402 .3-1841slc1	109 095	Rbm15 b	0.095 01035 2	0.848 52861 9	1.840 64215 6	0.543 28865 4	1.135 03723	0.790 02441 8	0.925 99447 1	0.1827 39619	0.3400 30851	- 0.1109 24515
TRCN 000012 5626	NM_021312 .4-484slc1	577 50	Wdr12	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661

TRCN 000012 6048	NM_178057 .2-488slcl	153 64	Hmga2	0.020 31210 4	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000012 6294	NM_019502 .2-734slcl	143 56	Fxc1	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000012 6486	NM_025634 .1-171slcl	665 61	231004 2E22Ri k	0.049 50051 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000012 6905	NM_023041 .2-362slcl	192 98	Pex19	0.020 31210 4	0.848 52861 9	14.45 02745	0.069 20283 8	1.135 03723	6.202 22114 3	0.117 95100 9	0.1827 39619	2.6327 84967	- 3.0837 40333
TRCN 000017 4722	NM_025376 .1-550slcl	661 39	111000 2H13Ri k	0.056 23459 1	0.848 52861 9	1.280 21405 2	0.781 11937 5	1.135 03723	0.549 48234 1	1.331 35896 9	0.1827 39619	0.8638 54978	- 0.4128 99612
TRCN 000017 6594	NM_025839 .1-534slcl	669 11	Nudt16l 1	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000017 6625	NM_025997 .1-435slcl	671 48	261020 4K14Ri k	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000017 7572	NM_207251 .1-358slcl	268 391	A83003 1A19Ri k	0.065 08938 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000017 7879	NM_001024 619.1- 13slcl	244 152	Lrrc54	0.077 25390 8	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000017 7930	NM_177682 .3-958slcl	231 874	AU022 870	0.039 93589 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000018 0467	NM_001025 587.1- 482slcl	756 92	231007 3E15Ri k	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000018 6144	NM_013616 .2-1714slcl	183 65	Olfr64	0.049 50051 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000018 6687	NM_147103 .1-207slcl	259 107	Olfr555	0.023 82413 9	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000018 7838	NM_147007 .1-447slcl	259 009	Olfr394	0.016 97551 6	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000019 1478	NM_011471 .2-328slcl	207 59	Spr2e	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000019 2449	NM_001024 706.1- 599slcl	432 825	LOC43 2825	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000019 4033	NM_001033 158.1- 754slcl	707 84	Ras12	0.095 01035 2	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000019 8943	NM_001001 982.1- 514slcl	214 239	A43010 5I19Rik	0.028 80452 3	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000020 1716	NM_026507 .2-2466slcl	680 14	Zwilch	0.049 50051 7	0.848 52861 9	1	1	1.135 03723	0.429 21130 3	1.704 42446 1	0.1827 39619	1.2202 40027	- 0.7692 84661
TRCN 000020 1835	NM_027954 .1-514slcl	718 46	Syce2	0.023 82413 9	0.848 52861 9	1	9.452 65462 9	1.135 03723	0.429 21130 3	16.11 13357 7	0.1827 39619	1.2202 40027	- 4.0100 04206
TRCN 000010 0808	NM_009120 .1-288slcl	202 24	Sar1a	0.131 40672 7	0.848 18140 7	3.143 98734 7	0.302 10535	1.134 57278	1.349 43490 5	0.514 91574 8	0.1821 49157	0.4323 55384	- 0.9575 917
TRCN 000010 8505	NM_177152 .4-3727slcl	320 398	Lrig3	0.717 54212 3	0.847 92047 3	0.243 95550 6	3.280 77118 3	1.134 22374 1	1.349 43490 5	0.514 91574 8	0.1817 0526	3.2555 50077	- 2.4833 19638
TRCN 000019 3876	NM_199042 .1-829slcl	737 54	Thap1	0.156 12646 4	0.847 18967 6	3.409 16539 2	0.006 51735 6	1.133 24618 8	1.463 25231 9	0.011 10834 2	0.1804 61308	0.5491 78565	- 6.4922 12722

TRCN 000012 6000	NM_027890 .3-1951s1c1	717 33	Susd2	0.604 49405 6	0.847 01362 8	0.717 90954 3	0.813 25340 2	1.133 01069 7	0.308 13489	1.386 12899 1	0.1801 61482	- 1.6983 66046	0.4710 61518
TRCN 000005 4754	NM_007451 .2-336s1c1	117 40	Slc25a5	0.274 43786 7	0.846 38517 2	9.605 51582	1.121 32963 6	1.132 17004	4.122 79595 8	1.911 22166	0.1790 90652	2.0436 23062	0.9344 95109
TRCN 000011 4463	NM_009801 .3-772s1c1	123 49	Car2	1.160 35518 7	0.845 33600 4	0.704 62419 4	2.180 53784 4	1.130 76661 7	0.302 43266 8	3.716 56204	0.1773 01196	1.7253 14109	1.8939 68691
TRCN 000005 4809	NM_009369 .1-1435s1c1	218 10	Tgfb1	0.860 65697 1	0.845 27001 5	0.473 92036 2	0.530 15863 5	1.130 67834 7	0.203 41197 6	0.903 61534 5	0.1771 88573	2.2975 23473	0.1462 19324
TRCN 000009 0657	NM_053252 .1-1277s1c1	114 601	G43000 2G23Ri k	0.680 37218	0.843 23850 1	0.025 10686 6	50.50 84056 8	1.127 96088 5	0.010 77615 1	86.08 77621 2	0.1737 17039	- 6.5360 14238	- 6.4277 36259
TRCN 000008 4580	NM_010751 .1-270s1c1	171 19	Mxd1	0.537 36100 1	0.840 79270 5	1.800 02601 5	0.863 49052 5	1.124 68925 8	0.772 59151 1	1.471 75437 2	0.1695 26452	0.3722 2227	0.5575 36914
TRCN 000000 9602	NM_009263 .1-678s1c1	207 50	Spp1	0.229 37673 8	0.840 62930 5	0.530 48953 3	4.123 13094 5	1.124 47068 4	0.227 69210 4	7.027 56523 7	0.1692 4605	2.1348 43836	2.8130 24941
TRCN 000005 5286	NM_009769 .2-1281s1c1	122 24	Klf5	0.050 40248	0.840 62930 5	0.530 48953 3	18.43 91757 5	1.124 47068 4	0.227 69210 4	31.42 81821 9	0.1692 4605	2.1348 43836	4.9739 86924
TRCN 000004 1447	NM_008062 .1-1309s1c1	143 81	G6pdx	0.583 99275 4	0.838 17683 5	0.028 48586 7	26.09 25251 9	1.121 19012 9	0.012 22645 6	44.47 27381 7	0.1650 30948	- 6.3538 4989	5.4748 49329
TRCN 000002 3951	NM_012025 .3-301s1c1	269 34	Racgap 1	0.293 69605 6	0.837 25391 7	0.964 24366 3	2.293 18973 2	1.119 95558 6	0.413 86427 9	3.908 56867 3	0.1634 4152	- 1.2727 70363	- 1.9666 40386
TRCN 000009 1606	NM_199473 .1-1516s1c1	329 941	Col8a2	0.617 79470 8	0.837 11605 6	1.935 01695 4	0.189 2184 6	1.119 77117 6	0.830 53114 7	0.322 50847 7	0.1632 03949	0.2678 9382	1.6325 91045
TRCN 000005 4502	NM_011231 .1-143s1c1	193 52	Rabggt b	0.151 21692 2	0.836 11771 9	0.070 53597 7	47.47 04549 2	1.118 43574 6	0.030 27483 9	80.90 98045 2	0.1614 82376	- 5.0457 36921	6.3382 42632
TRCN 000017 5168	NM_177715 .3-1010s1c1	239 217	Kctd12	0.099 64856 8	0.836 07152 5	0.484 32299 5	2.703 45099 8	1.118 37395 4	0.207 87690 4	4.607 82800 9	0.1614 02667	- 2.2661 9862	2.2040 86868
TRCN 000009 7920	NM_008306 .2-3752s1c1	155 31	Ndst1	2.113 20286 9	0.835 97713 2	0.517 77321 7	1.201 75652	1.118 24769	0.222 23411 7	2.048 30320 9	0.1612 39778	2.1698 47781	1.0344 29292
TRCN 000007 7764	NM_009828 .1-626s1c1	124 28	Ccna2	0.923 71519 2	0.835 76729 3	1.081 68351 1	0.931 24747 2	1.117 96699 8	0.464 27078 9	1.587 24097	0.1608 776	- 1.1069 61584	0.6665 21171
TRCN 000011 4415	NM_023119 .1-324s1c1	138 06	Eno1	1.838 58055 3	0.833 70768 5	1.267 01432 9	0.821 23830 4	1.115 21195 6	0.543 81687 1	1.399 73865 3	0.1573 17933	0.8788 07186	0.4851 57485
TRCN 000009 0169	NM_172840 .2-1099s1c1	240 675	Vwa2	0.169 36050 7	0.833 23422 1	3.466 66492 5	0.055 04080 8	1.114 57862 6	1.487 93176 8	0.093 8129	0.1564 98392	0.5733 08371	3.4140 69879
TRCN 000009 6874	NM_026030 .1-2008s1c1	672 04	Eif2s2	0.469 81083 1	0.832 29221 3	0.451 97086 8	1.209 50452 8	1.113 31854 5	0.193 99100 5	2.061 50910 3	0.1548 66439	2.3659 38337	1.0437 00831
TRCN 000019 2486	NM_177864 .2-854s1c1	329 918	A03001 3N09Ri k	0.391 65691 9	0.830 76511 6	0.259 89189 6	0.032 57043 7	1.111 27581 9	0.111 54853 9	0.055 51384 9	0.1522 16938	- 3.1642 56475	- 4.1710 08473
TRCN 000003 9426	NM_133975 .2-1690s1c1	148 97	Trip12	0.082 50093 4	0.830 46926 4	0.067 05113 5	1.110 1	1.110 88007 2	0.028 77910 5	1.704 42446 1	0.1517 03075	5.1188 34469	0.7692 84661
TRCN 000002 5502	NM_008828 .1-686s1c1	186 55	Pgk1	1.198 37166 2	0.828 40471 3	0.006 33945 4	109.2 51292 9	1.108 11841 7	0.002 72096 5	186.2 10575 9	0.1481 1206	- 8.5216 65822	7.5407 91203
TRCN 000011 0201	NM_177828 .2-605s1c1	328 967	493342 9F08Ri k	0.395 00683 8	0.828 01171 9	0.651 35890 9	0.617 78763 1	1.107 59272 8	0.279 57060 6	1.052 97235	0.1474 27486	1.8387 15412	0.0744 67553
TRCN 000011 0152	NM_133962 .3-1414s1c1	102 098	Arhgef1 8	0.092 44276 8	0.827 28643 6	0.027 57073	4.018 80522 5	1.106 62255	0.011 83366 9	6.849 74992 8	0.1461 63228	- 6.4009 5873	2.7760 51319

TRCN 000002 3481	NM_007912 .1-643s1c1	136 49	Egfr	0.696 99641 7	0.827 28498 4	0.928 86175 7	1.201 70013 7	1.106 62060 8	0.398 67796 5	2.048 20710 8	0.1461 60696	- 1.3267 04227	- 1.0343 61604
TRCN 000009 6137	NM_008667 .2-250s1c1	179 36	Nab1	0.788 73001 7	0.826 01381 4	1.602 27920 7	0.326 62174 1	1.104 92022 3	0.687 71634 6	0.556 70208 5	0.1439 42208	- 0.5401 14459	- 0.8450 22608
TRCN 000009 3445	NM_016807 .1-879s1c1	533 78	Sdcbp	0.535 07075 6	0.824 78095 9	1.137 30477 1	0.688 23296 7	1.103 14406 27109	0.488 14406 2	1.173 04110 4	0.1417 87327	- 1.0346 21112	- 0.2302 53567
TRCN 000007 6267	NM_008217 .2-1250s1c1	151 18	Has3	0.690 27940 4	0.823 93432 3	0.470 13248 7	1.165 31225 6	1.102 13858 5	0.201 78617 7	1.986 18671 4	0.1403 05643	- 2.3091 00746	- 0.9900 01251
TRCN 000007 0775	NM_010451 .1-266s1c1	153 99	Hoxa2	0.392 12552 2	0.823 92951 8	0.099 38339 2	2.784 10842 2	1.102 13215 7	0.042 65647 5	4.745 30249 5	0.1402 97229	- 4.5510 91432	- 2.2465 00057
TRCN 000007 1673	NM_008973 .1-1703s1c1	192 42	Ptn	0.200 24317 6	0.823 92951 8	2.196 37693 5	0.679 47008 5	1.102 13215 7	0.942 70980 3	1.158 10543 3	0.1402 97229	- 0.0851 14364	- 0.2117 66602
TRCN 000011 1489	NM_008581 .1-1452s1c1	172 76	Mela	0.308 38356 5	0.823 35598 7	1.430 49935 5	0.578 73521 8	1.101 36497 1	0.613 98649 2	0.986 41046 1	0.1392 9263	- 0.7037 2118	- 0.0197 39995
TRCN 000019 1934	NM_177864 .2-1203s1c1	329 918	A03001 3N09Ri k	0.365 74420 8	0.822 03015 5	3.661 98735 8	0.240 61076 5	1.099 59146 7	1.571 76636 4	0.410 10287 4	0.1369 67617	- 0.6523 86784	- 1.2859 42241
TRCN 000000 8536	NM_021422 .2-317s1c1	582 33	Dnaja4	0.261 30308 3	0.818 93663 9	0.983 45728 3	0.967 04145 2	1.095 45341 6	0.422 11098 1	1.648 24910 5	0.1315 28135	- 1.2443 05732	- 0.7209 34298
TRCN 000002 8211	NM_022420 .1-1254s1c1	642 97	Gprc5b	0.344 83591 5	0.818 79697 6	1.305 42247 5	1.689 29917 5	1.095 26659 5	0.560 30208 1	2.879 28283 5	0.1312 82074	- 0.8357 23244	- 1.5257 09513
TRCN 000010 8922	NM_153128 .1-840s1c1	240 756	Klhl12	0.292 38392 5	0.817 87087 6	0.150 32468 9	4.942 96567 1	1.094 02779 3	0.064 52105 5	8.424 91159 8	0.1296 4939	- 3.9540 86151	- 3.0746 61548
TRCN 000003 3251	NM_012006 .1-875s1c1	268 97	Acot1	0.255 41664 4	0.815 91764 5	0.041 71139 6	33.60 30964 2	1.091 41504 8	0.017 90300 2	57.27 39395	0.1261 9984	- 5.8036 5463	- 5.8398 06935
TRCN 000020 0545	NM_026412 .1-1283s1c1	519 44	D2Ert 750e	0.131 81185 6	0.815 03216 4	0.115 69212 2	5.941 45413 5	1.090 23058 1	0.049 65636 6	10.12 67597 6	0.1246 33294	- 4.3318 77499	- 3.3401 00727
TRCN 000007 1105	NM_007840 .1-833s1c1	132 07	Ddx5	0.845 69320 9	0.814 90107 2	0.923 89562 9	0.106 09675 9	1.090 05522 5	0.396 54644 2	0.180 83391 1	0.1244 01228	- 1.3344 38255	- 2.4672 6285
TRCN 000007 9030	NM_175499 .2-995s1c1	239 250	Sliotr6	0.456 61727 6	0.814 11436 4	0.916 70824 5	1.719 91643	1.089 00288 3	0.393 46154	2.931 46763 4	0.1230 07773	- 1.3457 05473	- 1.5516 23128
TRCN 000012 3576	NM_024183 .3-978s1c1	668 99	Fip1l1	0.455 64999 1	0.813 93697 2	0.737 05801 4	0.113 04552 8	1.088 76559 4	0.316 35363 1	0.192 67756 3	0.1226 93382	- 1.6603 89942	- 2.3757 39514
TRCN 000006 8163	NM_133654 .1-406s1c1	124 90	Cd34	0.094 70692 4	0.813 49914 6	0.056 67347 9	78.41 17959	1.088 17993 4	0.024 32489 8	133.6 46982 9	0.1219 17131	- 5.3614 22458	- 7.0622 83459
TRCN 000003 2536	NM_029614 .2-1215s1c1	764 53	Prss23	0.367 37557 9	0.813 09262 5	1.263 74835 5	0.421 31144 4	1.087 63615	0.542 41507 8	0.718 09353	0.1211 96009	- 0.8825 30813	- 0.4777 56331
TRCN 000002 5672	NM_009516 .2-1173s1c1	223 90	Wee1	0.230 30475 2	0.812 451	0.068 53817 2	17.30 15482 1	1.086 77787 9	0.029 41735 8	29.48 91819 8	0.1200 57105	- 5.0871 88499	- 4.8821 13898
TRCN 000010 3104	NM_010362 .1-605s1c1	148 73	Gsto1	1.004 91869 1	0.811 58497 7	1.588 11944 6	0.288 77272 7	1.085 61944	0.681 63881 6	0.492 1913	0.1185 1846	- 0.5529 20602	- 1.0227 08939
TRCN 000008 9695	NM_172612 .1-758s1c1	223 881	Rnd1	1.177 91181 2	0.811 26915 4	1.695 09231 6	0.517 78609	1.085 19697 8	0.727 55278 1	0.882 52727 8	0.1179 56935	- 0.4588 76181	- 0.1802 87224
TRCN 000011 2832	NM_021375 .2-1007s1c1	581 76	Rhbg	0.329 95142 8	0.811 14421 7	0.061 27902 5	17.26 39637 8	1.085 02985 5	0.026 30165	29.42 51221 5	0.1177 3474	- 5.2487 02865	- 4.8789 76499
TRCN 000019 7420	NM_026931 .1-992s1c1	690 68	181001 1O10Ri k	1.138 69887 4	0.810 35138 2	1.881 81743 3	0.247 25550 2	1.083 96931 7	0.807 69731 2	0.421 42832 6	0.1163 23921	- 0.3081 13357	- 1.2466 40809

TRCN 000003 2330	NM_172880 .1-589slcl	243 084	Tmprss 11e	0.035 96317 4	0.809 25070 6	0.306 27231 1	8.245 13253 9	1.082 49699 4	0.131 45553 8	14.05 32055 8	0.1143 63018	- 2.9273 53177	- 3.8128 27346
TRCN 000020 0812	NM_175003 .2-3537slcl	216 831	AU040 829	0.551 31310 2	0.808 44862 9	0.972 80823 3	0.935 20966 3	1.081 42409 3	0.417 54028 9	1.593 99422 6	0.1129 32404	- 1.2600 12684	- 0.6726 46404
TRCN 000008 7836	NM_134011 .1-1966slcl	213 79	Tbrg4	0.877 88292 9	0.806 66825 2	0.572 49832	1.983 72874 7	1.079 04256 6	0.245 72275	3.381 1158	0.1097 51777	- 2.0248 96663	- 1.7574 99428
TRCN 000008 0278	NM_028623 .2-1845slcl	737 20	Cst6	0.400 48819 8	0.806 31992 7	4.642 60517	0.337 29104	1.078 57662 7	1.992 65861 3	0.574 88709 8	0.1091 28676	- 0.9946 94565	- 0.7986 49441
TRCN 000007 7424	NM_134083 .2-668slcl	105 670	Rcbtb2	0.132 36697 8	0.806 00265 2	0.640 66269	1.296 20174 7	1.078 15222 3	0.274 97966 8	2.209 27796 4	0.1085 60885	- 1.8626 03147	- 1.1435 74945
TRCN 000011 4174	NM_026438 .2-187slcl	678 95	Ppal	0.370 36268 7	0.805 87822 9	4.191 14704 6	0.001 44273 3	1.077 98578 9	1.798 88768 3	0.002 45903	0.1083 38159	- 0.8471 05112	- 8.6676 94803
TRCN 000017 5139	NM_009287 .2-2333slcl	208 66	Stim1	0.348 49684 6	0.802 43662 1	0.896 37070 6	1.502 35777 8	1.073 38210 9	0.384 73243 8	2.560 65534 6	0.1021 63747	- 1.3780 72621	- 1.3565 13085
TRCN 000002 4884	NM_021463 .2-419slcl	191 39	Prps1	0.413 51376 5	0.801 36144 1	1.019 43078 5	0.227 89477 7	1.071 94389 1	0.437 55121 5	0.388 42943 3	0.1002 29393	- 1.1924 76201	- 1.3642 75571
TRCN 000000 9751	NM_028133 .1-799slcl	112 407	Egln3	0.421 32031 7	0.801 02580 5	2.432 07221 4	0.054 34207 8	1.071 49492 6	1.043 87288 3	0.092 62196 8	0.0996 25019	- 0.0619 4604	- 3.4325 01786
TRCN 000019 2911	NM_026023 .3-588slcl	526 53	Nudcd2	0.632 27407 2	0.799 47208 8	0.515 16472 5	1.069 0.063 08613	0.221 41659 2	0.107 11452 3	0.107 52554 3	0.0968 23966	- 2.1771 34311	- 3.2172 48672
TRCN 000011 3557	NM_021339 .1-1509slcl	578 10	Cdon	1.084 36923 7	0.798 47618 2	1.402 32931 7	0.698 22140 8	1.068 08441 5	0.601 89559 3	1.190 06564 7	0.0950 25674	- 0.7324 14842	- 0.2510 41158
TRCN 000003 2539	NM_007402 .1-2248slcl	115 00	Adam7	0.166 96709 8	0.795 32188 2	0.777 22396 1	0.781 11937 5	1.063 86505 5	0.333 59330 9	1.331 35896 9	0.0893 15165	- 1.5838 37744	- 0.4128 99612
TRCN 000004 1445	NM_008062 .1-881slcl	143 81	G6pdx	0.054 41136 1	0.795 32188 2	0.607 10469 4	17.30 15482 1	1.063 86505 5	0.260 57619 7	29.48 91819 8	0.0893 15165	- 1.9402 22793	- 4.8821 13898
TRCN 000017 7859	NM_027250 .2-2627slcl	698 93	201030 5A19Ri k	0.360 62584 3	0.795 19415 2	0.013 69639 6	115.5 56128 4	1.063 69419 6	0.005 87864 8	196.9 56691 8	0.0890 83447	- 7.4102 99882	- 7.6217 34624
TRCN 000012 5598	NM_173441 .1-1984slcl	734 73	Iws1	1.134 14460 1	0.794 27448 2	0.438 02078	1.449 53281 6	1.062 46399 6	0.188 00347	2.470 61918 7	0.0874 13953	- 2.4111 68807	- 1.3048 72656
TRCN 000019 7926	NM_026931 .1-348slcl	690 68	181001 1O10Ri k	0.499 48806 5	0.793 80732 5	1.895 90705	0.349 15667 5	1.061 83910 2	0.813 74473 5	0.595 11117 8	0.0865 65174	- 0.2973 51792	- 0.7487 68878
TRCN 000011 2834	NM_021375 .2-117slcl	581 76	Rhbg	0.372 16191 2	0.792 80950 2	1.386 76108 8	0.428 79135 4	1.060 50436	0.595 21353 3	0.730 84247 2	0.0847 50552	- 0.7485 20767	- 0.4523 67617
TRCN 000010 3356	NM_008185 .2-133slcl	148 71	Gstt1	0.347 86899 5	0.791 63238 6	1.009 92247	0.316 36801 6	1.058 92978 7	0.433 47013 9	0.539 22538 5	0.0826 06934	- 1.2059 95483	- 0.8910 39679
TRCN 000010 5072	NM_207530 .2-957slcl	642 91	Osbp1a	0.294 73666 4	0.790 53353 6	0.434 33697 3	5.311 03321 3	1.057 45990 6	0.186 42233 8	9.052 25492	0.0806 02965	- 2.4233 53356	- 3.1782 77213
TRCN 000008 1070	XM_358362 .2-3570slcl	192 83	Ptpnz1	0.328 72652 4	0.790 26434 1	2.483 19878 2	0.717 49554 6	1.057 09981 7	1.065 81698 4	1.222 91696	0.0801 1161	- 0.0919 59728	- 0.2903 26443
TRCN 000004 2769	NM_016894 .1-347slcl	518 01	Ramp1	0.063 47015 4	0.788 37431 7	4.342 37149 3	0.247 29969 5	1.054 57162	1.863 79492 5	0.421 50365	0.0766 57078	- 0.8982 43128	- 1.2463 82971
TRCN 000007 9824	NM_181328 .2-402slcl	214 663	Slc25a2 9	0.703 73270 2	0.788 13125 2	0.030 50387 2	9.926 93289 4	1.054 24648 4	0.013 09260 7	16.91 97072 5	0.0762 1221	- 6.2551 03827	- 4.0806 32701
TRCN 000010 1538	NM_011060 .1-531slcl	186 01	Padi3	0.727 43234 5	0.787 09849 7	2.809 78851 3	1.052 0.138 58962	1.205 86501 6	1.205 99298 8	0.236 21553 8	0.0743 20485	- 0.2702 21519	- 2.0818 24228

TRCN 000003 0991	NM_173369 .1-2356s1c1	742 56	Cyld	0.435 91191 9	0.786 33778 9	0.010 09641 1	47.48 96004 6	1.051 84745 1	0.004 33349 4	80.94 24366 5	0.0729 25486	- 7.8502 53685	- 6.3388 24375
TRCN 000007 1049	NM_007626 .2-356s1c1	124 19	Cbx5	0.504 11920 4	0.785 70113 9	0.312 10129 3	0.013 48874 8	1.050 99583 4	0.133 95740 3	0.022 99055 1	0.0717 5695	- 2.9001 53787	- 5.4428 15134
TRCN 000002 5878	NM_007553 .1-851s1c1	121 56	Bmp2	0.718 84241 1	0.784 75821 5	0.027 81891 3		1.049 73452 9	0.011 94019 2	1.704 42446 1	0.0700 24526	- 6.3880 30158	- 0.7692 84661
TRCN 000020 0502	NM_023605 .1-1346s1c1	715 38	Fbxo9	0.921 07821 5	0.783 86692	1.708 30966 5	0.566 66178 1	1.048 54228 4	0.733 22581 7	0.965 83220 1	0.0683 85042	- 0.4476 70511	- 0.0501 55531
TRCN 000011 9299	NM_019397 .1-418s1c1	541 56	Egfl6	0.501 49929 3	0.782 98474 9	0.735 15640 7	1.101 16701 8	1.047 36224 6	0.315 53743 9	1.876 85600 1	0.0667 60506	- 1.6641 16901	- 0.9083 17965
TRCN 000009 1048	XM_144905 .5-3180s1c1	243 548	Prickle2	1.038 62076 9	0.782 59984 9	0.473 46929 7	1.751 39077 9	1.046 84738 3	0.203 21837 4	2.985 11328 5	0.0660 51131	- 2.2988 97247	- 1.5777 85683
TRCN 000004 1494	NM_010274 .2-2071s1c1	145 71	Gpd2	0.438 49056 1	0.782 30574	1.357 27755 7	1.390 08255 5	1.046 45396 7	0.582 55886 8	2.369 29070 8	0.0655 08849	- 0.7795 24251	- 1.2444 55226
TRCN 000010 9441	NM_021495 .1-1165s1c1	589 98	Pvrl3	0.047 10292 1	0.781 09897 5	8.239 56805 8	0.007 79926 7	1.044 83973 4		0.013 3.536 29326 1	0.0632 81667	- 1.8223 28682	- 6.2331 61108
TRCN 000017 7664	NM_177687 .2-259s1c1	232 430	Crebl2	0.217 17633 1	0.778 98381 7	1.207 93683 7	0.236 31938 5	1.042 01038 6	0.518 46014 3	0.402 78854 1	0.0593 69657	- 0.9476 95009	- 1.3119 05454
TRCN 000007 1735	NM_020510 .1-1059s1c1	572 65	Fzd2	0.467 92055	0.777 51379 2	0.895 15678 8	0.627 03261 7	1.040 04400 2	0.384 21141 1	1.068 72973 1	0.0566 44567	- 1.3800 27728	- 0.0958 97058
TRCN 000011 3293	NM_172616 .1-2486s1c1	224 171	C33002 7C09Ri k	1.411 72684 8	0.776 94463 4	0.624 13447	0.021 27026 8	1.039 28266 6	0.267 88556 9	0.036 25356 5	0.0555 88094	- 1.9003 11231	- 4.7857 33319
TRCN 000005 5386	NM_008548 .2-2038s1c1	171 55	Man1a	0.686 82301	0.773 54382 6	0.499 96883 3	5.695 40782 2	1.034 73356 2	0.214 59227 4	9.707 39240 5	0.0492 5933	- 2.2203 29959	- 3.2790 83812
TRCN 000010 4698	NM_134094 .2-933s1c1	525 89	Ncald	0.323 85720 1	0.772 39007 8	0.169 04201 3	1.349 82066 2	1.033 19024 7	0.072 55474 3	2.300 66735 3	0.0471 05931	- 3.7847 86271	- 1.2020 52404
TRCN 000003 7373	NM_010241 .1-988s1c1	143 39	Fts	0.138 18439 9	0.772 19856 2	1.390 65301 4	0.543 28865 4	1.032 93406 6	0.596 88399 2	0.925 99447 1	0.0467 48168	- 0.7444 77533	- 0.1109 24515
TRCN 000002 4792	NM_029094 .1-1201s1c1	747 69	Pik3cb	1.620 64731 5	0.769 21648 8	0.259 02998	6.601 73789 4	1.028 94508 5	0.111 17859 5	11.25 21635 5	0.0411 65987	- 3.1690 4904	- 3.4921 30522
TRCN 000009 9547	NM_198649 .2-1452s1c1	319 713	Ablim3	0.622 55427 6	0.768 35566 2	0.863 71762 2	1.132 41987 4	1.027 79359 8	0.370 71736 6	1.930 12413 3	0.0395 50571	- 1.4316 08398	- 0.9486 93635
TRCN 000017 6360	NM_172604 .1-1329s1c1	219 151	Scara3	0.441 40248	0.767 48183 3	1.665 03601 2	2.374 43699 1	1.026 62471 7	0.714 65227 6	4.047 04848 8	0.0379 089	- 0.4846 86646	- 2.0168 70134
TRCN 000003 9053	NM_010610 .1-376s1c1	165 31	Kcnma l	0.826 81374 9	0.767 37852 4	0.007 74660 1	11.85 86265 7	1.026 48652 5	0.003 32492 9	20.21 21332	0.0377 14689	- 8.2324 60847	- 4.3371 49688
TRCN 000002 2602	XM_356104 .1-1126s1c1	745 68	Mikl	0.207 69002 1	0.765 03923 6	1.102 11372 9	0.223 84175 2	1.023 35736 9	0.473 03966 9	0.381 52135 7	0.0333 1004	- 1.0799 66921	- 1.3901 64277
TRCN 000009 5934	NM_011749 .3-3874s1c1	226 61	Zfp148	0.774 22531 5	0.764 42372 2	0.784 62888 7	1.649 29254 8	1.022 53402 4	0.336 77158 7	2.811 09456 2	0.0321 48848	- 1.5701 57671	- 1.4911 31985
TRCN 000017 6213	NM_180588 .1-425s1c1	725 49	Reep4	0.370 34050 8	0.763 17668 9	0.042 28207 8	4.622 56626 9	1.020 86592 7	0.018 14794 6	7.878 81502 1	0.0297 93405	- 5.7840 49941	- 2.9779 78664
TRCN 000010 1144	NM_008529 .2-255s1c1	170 69	Ly6e	0.114 83153 7	0.762 12782 6	2.210 49736 8	0.009 37728 3	1.019 46291 2	0.948 77045 5	0.015 98287	0.0278 09291	- 0.0758 69011	- 5.9673 29652
TRCN 000003 9052	NM_010610 .1-1350s1c1	165 31	Kcnma l	1.341 04357 1	0.760 65169 8	0.424 40820 5	0.242 83658 3	1.017 48836 4	0.182 16079 9	0.413 89661 3	0.0250 12296	- 2.4567 15573	- 1.2726 57653

TRCN 000009 7921	NM_008306 .2-1189s1c1	155 31		0.512 49353	0.760 48562 9	1.597 18763	0.257 71222 8	1.017 26622 1	0.685 53098 3	0.439 25102 5	0.0246 97285	- 0.5447 06223	- 1.1868 82441
TRCN 000011 4462	NM_009801 .3-164s1c1	123 49	Car2	0.857 61385 9	0.759 73506 6	1.585 42689 5	0.303 70273 2	1.016 26222 8	0.680 48314 3	0.517 63836 5	0.0232 72711	- 0.5553 68671	- 0.9499 83546
TRCN 000002 7654	NM_010353 .1-934s1c1	148 41	Gsg2	0.139 16129 1	0.759 36507 3	1.983 86163 8	0.343 27880 4	1.015 76730 5	0.851 49583 8	0.585 09279 1	0.0225 69943	- 0.2319 28617	- 0.7732 62652
TRCN 000009 7135	NM_010586 .1-2357s1c1	164 39	Itrp2	0.466 62161 3	0.758 22680 4	0.197 59172 2	4.571 39935 2	1.014 24469 6	0.084 8086 6	7.791 60487 6	0.0204 05758	- 3.5596 45628	- 2.9619 20518
TRCN 000003 9044	NM_008234 .2-1177s1c1	152 01	Hells	1.031 65557 8	0.757 48994 6	0.139 56013 2	2.822 00495 7	1.013 25903 6	0.059 90078 6	4.809 89427 8	0.0190 0304	- 4.0612 81255	- 2.2660 05184
TRCN 000000 9603	NM_009263 .1-1027s1c1	207 50	Spp1	0.626 00246 1	0.757 42434 9	1.164 32851 1	1.336 39016 6	1.013 17128 9	0.499 74295 7	2.277 77608 9	0.0188 78101	- 1.0007 4186	- 1.1876 25933
TRCN 000012 6383	NM_009149 .1-1083s1c1	203 40	Glg1	0.832 98438 1	0.757 14412 3	0.731 83255 3	0.685 74327 8	1.012 79644 3	0.314 11080 3	1.168 79761 8	0.0183 44239	- 1.6706 54533	- 0.2250 25143
TRCN 000006 6201	NM_010099 .1-1016s1c1	136 07	Eda	0.197 37284 9	0.757 03606 7	1.189 80686 2	1.117 17344 6	1.012 65190 2	0.510 67855 3	1.904 13774 7	0.0181 38334	- 0.9695 12624	- 0.9291 37849
TRCN 000002 2529	NM_007561 .1-2381s1c1	121 68	Bmpr2	0.124 37804 5	0.756 06030 7	0.933 98360 7	0.543 28865 4	1.011 34667 1	0.400 87632 1	0.925 99447 1	0.0162 77611	- 1.3187 70894	- 0.1109 24515
TRCN 000007 7765	NM_009828 .1-1314s1c1	124 28	Ccna2	1.440 64069 2	0.755 70901 2	2.288 51199 3	0.002 25785 8	1.010 87676 3	0.982 25521 4	0.003 84834 9	0.0156 07128	- 0.0258 30175	- 8.0215 44578
TRCN 000010 4787	NM_019686 .3-371s1c1	565 06	Cib2	0.780 35683 1	0.755 29880 1	1.174 57636 2	0.902 52939 2	1.010 32804 2	0.504 14144 9	1.538 29317 3	0.0148 23796	- 0.9880 99521	- 0.6213 30483
TRCN 000003 1990	NM_011119 .1-1094s1c1	188 13	Pa2g4	0.976 23373 3	0.754 37660 7	1.787 70489 5	0.358 27577 2	1.009 09446 6	0.767 30314 7	0.610 65399 6	0.0130 61238	- 0.3821 31424	- 0.7115 72947
TRCN 000001 2125	NM_008720 .1-1822s1c1	181 45	Npc1	0.709 37730 9	0.754 35343 6	1.192 70485 7	1.404 27791 5	1.009 06347 2	0.511 92240 6	2.393 48562 8	0.0130 16926	- 0.9660 02944	- 1.2591 13143
TRCN 000003 1993	NM_011119 .1-1161s1c1	188 13	Pa2g4	0.226 66865 7	0.754 34990 1	0.023 75589 8	8.245 13253 9	1.009 05874 3	0.010 1963 8	14.05 32055 8	0.0130 10164	- 6.6158 10483	- 3.8128 27346
TRCN 000007 1124	NM_012012 .2-2335s1c1	269 09	Exo1	0.322 22146 6	0.753 56948 9	2.004 73447 7	0.120 50776 7	1.008 01482 2	0.860 45469 6	0.205 39638 6	0.0115 16853	- 0.2168 2886	- 2.2835 173
TRCN 000012 0646	NM_017407 .1-581s1c1	541 41	Spag5	0.953 85488 1	0.753 39111 6	1.809 43885 8	0.069 95894 6	1.007 77622 1	0.776 63160 9	0.119 23973 8	0.0111 75321	- 0.3646 97668	- 3.0680 62981
TRCN 000001 2092	NM_008687 .2-1102s1c1	180 28	Nfib	0.214 99970 1	0.751 87689 7	1.909 19201 2	0.152 02080 9	1.005 75072 1	0.819 44679 5	1.0798 10798 5	0.0082 72773	- 0.2872 77822	- 1.9483 74618
TRCN 000003 1634	NM_133969 .1-2472s1c1	102 294	Cyp4v3	0.023 56389 1	0.751 78588 7	1.313 79492 3	0.216 45789 6	1.005 62898 8	0.563 89563 3	0.368 93612 3	0.0080 98131	- 0.8264 99931	- 1.4385 57045
TRCN 000017 7052	NM_175465 .2-585s1c1	228 071	Sestd1	0.376 30702 7	0.749 40249 2	1.361 81750 2	0.630 09418 8	1.002 44082 5	0.584 50746 4	1.073 94794 6	0.0035 17075	- 0.7747 06647	- 0.1029 24068
Contro l_2	Scrambled_ Scott	Con trol _2	Scrambl ed_Scot t	1.560 81893 9	0.747 57778 6	2.329 85476 8	0.586 70831 3	1	1	1	5.88E- 10	- 2.57E- 10	- 3.49E- 10
TRCN 000010 5836	NM_198894 .1-2519s1c1	109 934	Abr	0.336 41587 6	0.747 46018 4	1.529 53724 8	0.014 76470 6	0.999 84268 9	0.656 49467 5	0.025 16532 6	0.0002 26969	- 0.6071 44786	- 5.3124 18904
TRCN 000010 8532	NM_010733 .2-626s1c1	169 81	Lrrn3	0.314 87564 2	0.742 97031 2	0.298 08232 3	3.911 86275 3	0.993 83679 6	0.127 94030 1	6.667 47456 3	0.0089 19137	- 2.9664 57315	- 2.7371 40416
TRCN 000012 5476	NM_026384 .2-1035s1c1	678 00	Dgat2	0.552 9728	0.742 51451 2	1.209 36735 9	0.169 28092 3	0.993 22709 4	0.519 07414	0.288 52654 6	0.0098 04478	- 0.9459 87481	- 1.7932 24034

TRCN 000006 9468	NM_146188 .1-2280s1c1	233 107		0.560 51106 4	0.742 30723 2	1.883 25004 7	0.526 00729 6	0.992 94982 5	0.808 31220 6	0.896 53970 1	- 0.0102 07276	- 0.3070 15462	- 0.1575 60624
TRCN 000006 5613	NM_013584 .1-1836s1c1	168 80	Kctd15	0.480 62943 6	0.741 31147 5	0.744 70092 7	0.228 54271 8	0.991 61784 7	0.319 63405 5	0.389 53379 9	- 0.0121 43857	- 1.6455 06969	- 1.3601 79582
TRCN 000009 3360	NM_025664 .2-996s1c1	666 16	Snx9	0.107 01305 4	0.740 92366 2	2.107 01023 5	1.753 59579 9	0.991 09908 8	0.904 35260 8	2.988 87157 4	- 0.0128 98793	- 0.1450 42705	- 1.5796 00909
TRCN 000000 4692	NM_008562 .2-842s1c1	172 10	Mcl1	0.682 53875 7	0.740 57001 3	0.598 10146 8	3.049 61262 9	0.990 62602 8	0.256 71191 1	5.197 83436 1	- 0.0135 87568	- 1.9617 77862	- 2.3779 1066
TRCN 000001 2561	NM_007905 .1-1118s1c1	136 19	Phc1	0.007 63390 7	0.736 90812 7		1.603 76104 5	0.985 72769 5	0.429 21130 3	2.733 48955 4	- 0.0207 38935	- 1.2202 40027	- 1.4507 43862
TRCN 000002 3220	NM_010434 .1-1905s1c1	152 59	Hipk3	0.018 06323 4	0.736 90812 7	9.126 20751 2	0.109 57454 1	0.985 72769 5	3.917 07141 5	0.186 76152 8	- 0.0207 38935	- 1.9697 75431	- 2.4207 30797
TRCN 000002 4343	NM_172792 .1-1020s1c1	237 694	493241 4J04Rik	0.056 99842 9	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000002 5269	NM_009289 .1-331s1c1	208 74	Slk	0.074 94856 7	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000002 6712	NM_023209 .1-483s1c1	520 33	Pbk	0.015 68263 6	0.736 90812 7		1.603 76104 5	0.985 72769 5	0.429 21130 3	2.733 48955 4	- 0.0207 38935	- 1.2202 40027	- 1.4507 43862
TRCN 000003 2333	NM_172880 .1-1073s1c1	243 084	Tmprss 11e	0.024 59748 3	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000003 2899	NM_010779 .1-793s1c1	172 27	Mcpt4	0.109 40170 1	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000003 4513	NM_021478 .1-797s1c1	221 57	Tulp1	0.109 40170 1	0.736 90812 7	1.280 21405 2	1.252 72882 5	0.985 72769 5	0.549 48234 1	2.135 18165 1	- 0.0207 38935	- 0.8638 54978	- 1.0943 58813
TRCN 000005 4349	NM_176933 .3-813s1c1	319 520	Dusp4	0.027 43280 4	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000005 4651	NM_201607 .1-1135s1c1	110 385	Pde4c	0.109 40170 1	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000006 6957	NM_283649 .2-322s1c1	329 244	Il19	0.109 40170 1	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000008 0253	NM_008458 .1-1436s1c1	166 25	Serpina 3c	0.029 11057 4	0.736 90812 7	1.280 21405 2	0.781 11937 5	0.985 72769 5	0.549 48234 1	1.331 35896 9	- 0.0207 38935	- 0.8638 54978	- 0.4128 99612
TRCN 000008 1313	NM_181320 .2-2692s1c1	706 86	Dusp16	0.050 90283 1	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000008 4261	NM_025289 .1-723s1c1	213 76	Tbrg1	0.088 95566 4	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661
TRCN 000009 1805	NM_007735 .1-1053s1c1	128 29	Col4a4	0.033 16758 4	0.736 90812 7	55.08 13120 7	0.018 15497 8	0.985 72769 5	0.549 48234 1	1.331 35896 9	- 0.0207 38935	- 4.5632 50994	- 5.0142 06359
TRCN 000009 3448	NM_016807 .1-142s1c1	533 78	Sdcbp	0.031 00693 6	0.736 90812 7			0.985 72769 5	0.429 21130 3	7.878 81502 1	- 0.0207 38935	- 1.2202 40027	- 2.9779 78664
TRCN 000009 8590	NM_008303 .2-434s1c1	155 28	Hspe1	0.012 74351 3	0.736 90812 7	2.120 85620 9	9.865 88076 9	0.985 72769 5	0.910 29545 6	16.81 56485 1	- 0.0207 38935	- 0.1355 93216	- 4.0717 32514
TRCN 000010 1374	NM_053171 .1-1590s1c1	941 09	Csmd1	0.031 00693 6	0.736 90812 7	1.280 21405 2	0.781 11937 5	0.985 72769 5	0.549 48234 1	1.331 35896 9	- 0.0207 38935	- 0.8638 54978	- 0.4128 99612
TRCN 000010 3118	NM_020564 .1-244s1c1	574 29	Sult5a1	0.088 95566 4	0.736 90812 7			0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	- 0.7692 84661

TRCN 000011 0704	NM_009673 .1-750slcl	117 47	Anxa5	0.029 11057 4	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000011 4014	NM_008207 .2-985slcl	150 42	H2-T24	0.029 11057 4	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000011 4329	NM_028339 .1-597slcl	727 36	Txndc1	0.038 53852 5	0.736 90812 7	2.120 85620 9	0.756 18565 7	0.985 72769 5	0.910 29545 6	1.288 86133	- 0.0207 38935	- 0.1355 93216	0.3660 97051
TRCN 000011 9737	NM_016978 .1-1687slcl	182 42	Oat	0.033 16758 4	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000012 4635	NM_009750 .1-465slcl	120 70	Ngfrap1	0.012 09582 5	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000018 1625	NM_026960 .1-497slcl	691 46	Gsdmdc 1	0.088 95566 4	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000018 4729	NM_029758 .3-411slcl	768 20	D12Ert d553e	0.109 40170 1	0.736 90812 7	1.280 21405 2	0.781 11937 5	0.985 72769 5	0.549 48234 1	1.331 35896 9	- 0.0207 38935	- 0.8638 54978	0.4128 99612
TRCN 000018 6925	NM_147079 .1-625slcl	259 083	Olfir547	0.041 93376 5	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000020 1676	NM_027405 .2-1764slcl	703 73	170002 0003Ri k	0.088 95566 4	0.736 90812 7	1	1	0.985 72769 5	0.429 21130 3	1.704 42446 1	- 0.0207 38935	- 1.2202 40027	0.7692 84661
TRCN 000004 2537	NM_007462 .1-243slcl	117 89	Apc	5.489 01285 1	0.736 53042	2.470 37942 6	0.517 07074 6	0.985 22245 3	1.060 31477 2	0.881 30802 7	- 0.0214 78589	- 0.0844 92616	- 0.1822 8175
TRCN 000010 8927	NM_007984 .1-1299slcl	140 86	Fscn1	0.272 57037 5	0.736 17487 2	2.330 25014 2	2.605 35188 2	0.984 74685 3	1.000 16969 8	4.440 62547 7	- 0.0221 75194	- 0.0002 44802	2.1507 62899
TRCN 000010 6481	NM_146137 .2-978slcl	229 715	Amigo1	0.265 68667 6	0.735 14744 1	0.731 28823 9	2.062 70852 3	0.983 37250 7	0.313 87717 8	3.515 73086 3	- 0.0241 90075	- 1.6717 27962	1.8138 24633
TRCN 000009 8682	NM_031159 .2-620slcl	118 10	Apobec 1	0.461 08251 2	0.734 18382 8	3.129 28604 2	0.074 60482 5	0.982 08352 6	1.343 12493 9	0.127 15828 9	- 0.0260 82364	- 0.4255 93512	2.9753 02581
TRCN 000012 5474	NM_026384 .2-1508slcl	678 00	Dgat2	1.018 45038 2	0.733 92449 2	0.569 59728 6	1.407 49654 6	0.981 73662 4	0.244 47759 3	2.398 97154 1	- 0.0265 92059	- 2.0322 2585	1.2624 16043
TRCN 000020 0787	NM_133851 .1-2003slcl	108 907	Nusap1	0.411 41888 3	0.732 77695 6	1.151 70107 2	0.517 57969 5	0.980 20161 8	0.494 32311 7	0.882 17549 2	- 0.0288 49566	- 1.0164 73718	- 0.1808 62414
TRCN 000007 5421	NM_011141 .1-254slcl	189 91	Pou3f1	0.181 35844 7	0.732 21065 1	0.607 10469 4	1.603 76104 5	0.979 44409 9	0.260 57619 7	2.733 48955 4	- 0.0299 64941	- 1.9402 22793	1.4507 43862
TRCN 000007 5598	XM_125814 .4-1216slcl	114 774	Pawr	0.790 97984 3	0.731 53592 8	2.676 99374 1	0.353 81164 1	0.978 54155 3	1.148 99597 1	0.603 04521 6	- 0.0312 9498	- 0.2003 73739	- 0.7296 61917
TRCN 000009 8418	NM_009265 .2-483slcl	207 54	Sprr1b	0.453 39731 3	0.731 28152 1	1.222 03642 6	0.909 90566 7	0.978 20124 5	0.524 51184 6	1.550 86547 5	- 0.0317 96794	- 0.9309 52738	0.6330 7355
TRCN 000009 7286	NM_009035 .1-1356slcl	196 64	Rbpsuh	177.0 90714 2	0.730 95509 7	1.994 7877 1	1.019 81077 3	0.977 76460 3	0.856 18542 7	1.738 19042 4	- 0.0324 40917	- 0.2240 04814	0.7975 86142
TRCN 000010 2046	NM_016714 .2-1590slcl	181 41	Nup50	0.115 26649 5	0.730 44508 5	0.886 93280 7	0.057 03651 2	0.977 08238 3	0.380 68158 5	0.097 21442 5	- 0.0334 47886	- 1.3933 43311	- 3.3626 85783
TRCN 000009 0505	NM_007742 .2-2551slcl	128 42	Colla1	1.891 32337 7	0.730 42036 4	0.503 76770 1	1.107 92791 1	0.977 04931 5	0.216 22279 1	1.888 37943 2	- 0.0334 96713	- 2.2094 09494	0.9171 48674
TRCN 000020 0109	NM_172443 .1-256slcl	207 592	Tbc1d1 6	1.393 97777 2	0.728 89238 2	4.204 88273 3	0.438 34119 8	0.975 00540 5	1.804 78319 5	0.747 11945 9	- 0.0365 17879	- 0.8518 2554	- 0.4205 89156
TRCN 000007 8965	NM_008882 .1-3095slcl	188 45	Plxna2	0.251 78464 9	0.727 46225 1	3.303 63387 7	0.473 69083 1	0.973 09238 5	1.417 37023 8	0.807 37023 8	- 0.0393 51315	- 0.5038 13783	- 0.3086 97688

TRCN 000000 8539	NM_021422 .2-987s1c1	582 33	Dnaja4	0.512 15534 7	0.726 81691 6	0.011 44214 8		0.972 22915 1	0.004 91109 9	1.704 42446 1	- 0.0406 31703	- 7.6697 38258	0.7692 84661
TRCN 000001 2088	NM_008687 .2-1750s1c1	180 28	Nfib	0.791 41825 8	0.726 59154 8	0.559 54067 5	1.388 17446 7	0.971 92768 6	0.240 16118 2	2.366 03851 7	- 0.0410 79117	- 2.0579 25113	1.2424 7356
TRCN 000009 5491	NM_172870 .3-93s1c1	242 509	Bnc2	0.129 32754 4	0.725 48230 4	5.086 74848 3	0.023 82332 9	0.970 44390 3	2.183 28994 3	0.040 60506 5	- 0.0432 83275	1.1265 03734	4.6221 96495
TRCN 000010 4325	NM_026517 .1-228s1c1	680 28	Rpl221l	0.165 60996 2	0.725 25327 6	1.707 04378 3	0.900 11699 6	0.970 13754 2	0.732 68248 6	1.534 18142 5	- 0.0437 38793	- 0.4487 39965	0.6174 69099
TRCN 000000 9540	NM_019794 .1-119s1c1	564 45	Dnaja2	0.518 54883 3	0.724 64326 3	0.620 74319 5	0.805 85488 2	0.969 32155 7	0.266 42999 5	1.373 51877 2	- 0.0449 52759	- 1.9081 71581	0.4578 76628
TRCN 000011 2350	NM_028876 .1-1938s1c1	731 30	Tmed5	0.891 03189 8	0.724 37283 2	0.690 22809 3	0.459 10891 3	0.968 95981 3	0.296 25369 9	0.782 51646 2	- 0.0454 91263	- 1.7550 94927	0.3538 06993
TRCN 000009 1150	NM_145588 .1-1285s1c1	110 033	Kif22	0.317 44661 1	0.722 21785 3	1.649 39990 7	0.458 51602 9	0.966 07719 8	0.707 94108 3	0.781 50593 5	- 0.0497 89617	- 0.4982 98796	0.3556 71265
TRCN 000017 8187	NM_023719 .1-1475s1c1	563 38	Txnip	0.386 66209 7	0.721 24685 4	0.740 23690 9	0.541 72715 7	0.964 77833 7	0.317 71804 8	0.923 33300 5	- 0.0517 30581	- 1.6541 81051	0.1150 77038
TRCN 000019 1864	NM_177864 .2-719s1c1	329 918	A03001 3N09Ri k	0.441 32601 9	0.719 42924 2	1.302 31248 1	0.322 10347 6	0.962 34700 3	0.558 96723 6	0.549 00104 3	- 0.0553 709	- 0.8391 64372	0.8651 19205
TRCN 000007 1094	NM_197982 .2-800s1c1	682 78	Ddx39	0.039 46443 8	0.719 09236 4	3.665 29903 9	0.947 08742 7	0.961 89637 7	1.573 18777 5	1.614 23897 7	- 0.0560 46611	- 0.6536 90881	0.6908 54175
TRCN 000009 6441	NM_010657 .2-2610s1c1	166 56	Hivep3	0.134 16079 5	0.717 90105 6	0.433 56857 3	1.184 25598 9	0.960 30282 2	0.186 09253 2	2.018 47487 5	- 0.0584 3868	- 2.4259 07936	1.0132 65629
TRCN 000012 1051	NM_181516 .2-691s1c1	668 26	Taz	0.925 50966 2	0.717 09394 5	0.813 01901 6	0.219 14021 4	0.959 22318 5	0.348 95695 1	0.373 50794 1	- 0.0600 61565	- 1.5188 79026	1.4207 89177
TRCN 000002 4789	NM_029094 .1-2197s1c1	747 69	Pik3cb	0.752 01712 2	0.715 57161 1	1.724 07183 6	1.568 49567 7	0.957 18683 9	0.739 99111 9	2.673 38239 8	- 0.0631 27549	- 0.4344 20139	1.4186 66214
TRCN 000002 5503	NM_008828 .1-160s1c1	186 55	Pgk1	0.224 38986 4	0.715 24997 4	0.854 70825 9	1.070 34754 9	0.956 75659 1	0.366 85044 2	1.824 32654 4	- 0.0637 76161	- 1.4467 36073	0.8673 63987
TRCN 000006 7772	NM_010187 .1-90s1c1	141 30	Fcgr2b	0.322 43536 4	0.715 08367 3	5.093 22746 3	0.433 00973 8	0.956 53413 8	2.186 07079 4	0.738 03238 9	- 0.0641 11637	- 1.1283 40122	0.4382 43963
TRCN 000011 2296	NM_011348 .1-1576s1c1	203 49	Sema3e	1.580 17564 1	0.714 36524 1	0.514 27018 9	1.048 84191 9	0.955 57312 4	0.220 73057 8	1.787 67182 1	- 0.0655 61816	- 2.1796 41596	0.8380 81913
TRCN 000012 4879	NM_177124 .3-4975s1c1	213 988	Tnrc6b	0.407 03674 4	0.713 42531 7	0.073 92492 2	22.91 45747 7	0.954 31583 3	0.031 72941 2	39.05 61617 4	- 0.0674 61287	- 4.9780 35392	5.2874 7827
TRCN 000011 2787	NM_008536 .2-629s1c1	171 12	Tm4sf1	1.194 11307 8	0.712 81530 8	1.159 51747 6	0.898 50817 3	0.953 49985 1	0.497 67800 6	1.531 43930 8	- 0.0686 95382	- 1.0067 15463	0.6148 88193
TRCN 000008 9637	NM_144848 .2-6018s1c1	223 650	Eppk1	0.231 01542 5	0.712 06572 8	8.315 50761 2	0.014 50531 3	0.952 49717 3	3.569 10985 4	0.024 72321 1	- 0.0702 13284	- 1.8355 64307	5.3379 90055
TRCN 000007 2088	NM_011462 .1-705s1c1	207 29	Spin	0.561 33247 7	0.711 28362 9	0.935 92831 2	0.263 65978 5	0.951 45099 6	0.401 71101 6	0.449 38818 6	- 0.0717 98742	- 1.3157 70091	1.1539 65896
TRCN 000008 9633	NM_144848 .2-21455s1c1	223 650	Eppk1	0.210 42058 4	0.710 21586 5	4.872 03716 1	0.360 27233 4	0.950 02269 7	2.091 13341 7	0.614 05697 9	- 0.0739 66113	- 1.0642 8511	0.7035 55563
TRCN 000003 0645	NM_009982 .2-1080s1c1	130 32	Ctsc	0.572 42279 1	0.709 26367 9	2.628 64432 7	0.316 82613 4	0.948 74900 3	1.128 24385 6	0.540 00621 2	- 0.0759 01631	- 0.1740 78922	0.8889 52091
TRCN 000007 0774	NM_010451 .1-621s1c1	153 99	Hoxa2	0.104 47131 6	0.707 60082 5	1.360 54451 7	0.372 9556 1	0.946 52468 4	0.583 96108 4	0.635 67464 8	- 0.0792 8797	- 0.7760 55865	0.6536 39544

TRCN 000003 1788	NM_007403 .1-87s1c1	115 01	Adam8	0.193 24568 6	0.707 49018 4	2.010 84329 7	0.173 06450 6	0.946 37668 1	0.863 07667 1	0.294 97537 7	- 0.0795 13569	- 0.2124 39369	- 1.7613 33565
TRCN 000005 4599	NM_009141 .1-220s1c1	203 11	Cxcl5	0.425 84306 8	0.707 41873 8	11.33 48549 8	0.007 15789 1	0.946 28111 1	4.865 04787 1	0.012 20008 4	- 0.0796 59268	- 2.2824 54001	- 6.3569 65054
TRCN 000009 1603	NM_199473 .1-3983s1c1	329 941	Col8a2	1.174 89187 3	0.706 38838 3	1.336 62591 2	0.362 62643 9	0.944 90285 4	0.573 69494 9	0.618 06937 3	- 0.0817 62082	- 0.8016 44279	- 0.6941 59316
TRCN 000012 3799	NM_030597 .2-595s1c1	277 56	Lsm2	0.363 98593 7	0.703 29651 2	0.953 18664 7	0.455 58606 7	0.940 76700 1	0.409 11847 9	0.776 51203 7	- 0.0880 90638	- 1.2894 09392	- 0.3649 19806
TRCN 000012 6059	NM_007823 .1-1685s1c1	131 20	Cyp4b1	0.157 77430 8	0.702 86505 6	2.464 99236 7	0.932 07536 2	0.940 18986 2	1.058 00258 5	1.588 65204 3	- 0.0889 75971	- 0.0813 43153	- 0.6678 03171
TRCN 000011 1978	NM_133218 .1-846s1c1	170 753	Zfp704	0.352 78258 4	0.702 73312 5	2.973 1545 1545	0.607 98035 9	0.940 01338 5	1.276 11151 6	1.036 25659 5	- 0.0892 46795	- 0.3517 54408	- 0.0513 81284
TRCN 000012 0536	NM_026102 .1-266s1c1	208 846	Daam1	0.438 51451 2	0.701 59457 3	2.522 97379 5	0.162 67778 5	0.938 49039 7	1.082 88886 9	0.277 27199 6	- 0.0915 86112	- 0.1148 85195	- 1.8506 26179
TRCN 000011 9821	NM_011069 .2-468s1c1	186 32	Pex11b	0.033 09656 8	0.701 34108 8	0.110 01669 6	2.811 28313 5	0.938 15132 2	0.047 22040 9	4.791 61974 1	- 0.0921 07449	- 4.4044 45642	- 2.2605 13422
TRCN 000008 9199	XM_204001 .4-444s1c1	136 38	Efna3	0.284 25358 9	0.700 17079 1	0.152 54291 9	9.100 99912 8	0.936 58586 9	0.065 47314 5	15.51 19655 3	- 0.0945 16823	- 3.9329 52906	- 3.9553 09598
TRCN 000009 2585	XM_110701 .2-847s1c1	194 597	Tmprss 11a	0.186 30301 9	0.700 15866 5	0.844 55588 5	0.383 00839 7	0.936 56965 7	0.362 49293 2	0.652 80888 2	- 0.0945 41808	- 1.4639 75232	- 0.6152 67412
TRCN 000004 1444	NM_008062 .1-104s1c1	143 81	G6pdx	0.070 99101 3	0.699 36274 6	0.967 23500 8	26.24 80296 7	0.935 50498 6	0.415 14819 8	44.73 77838 2	- 0.0961 82752	- 1.2683 0166	- 5.4834 21886
TRCN 000010 0366	NM_028870 .1-546s1c1	743 25	Cltb	0.152 57574 9	0.699 36274 6	0.755 52600 5	2.811 28313 5	0.935 50498 6	0.324 28030 1	4.791 61974 1	- 0.0961 82752	- 1.6246 86709	- 2.2605 13422
TRCN 000012 5499	NM_134184 .1-462s1c1	171 202	V1rc29	0.152 57574 9	0.699 36274 6	1.390 65301 4	1.199 32170 5	0.935 50498 6	0.596 88399 2	2.044 15325 1	- 0.0961 82752	- 0.7444 77533	- 1.0315 0336
TRCN 000007 6398	NM_018753 .3-2198s1c1	544 01	Ywhab	0.035 73795 1	0.698 16127 5	2.435 74388 3	0.139 57300 7	0.933 89783 4	1.045 44880 5	0.237 89164 7	- 0.0986 63364	- 0.0641 22416	- 2.0716 23478
TRCN 000009 4213	NM_009655 .1-3037s1c1	116 58	Alcam	0.163 73809 1	0.697 60702 6	1.007 01952 8	0.011 23757 1	0.933 15644 1	0.432 22416 3	0.019 15358 9	- 0.0998 0913	- 1.2101 48367	- 5.7062 41467
TRCN 000009 0677	XM_126660 .1-1564s1c1	757 06	231005 8N18Ri k	0.787 59585 4	0.694 75579 5	2.207 70607 5	0.184 21630 5	0.929 34247 6	0.947 57239 8	0.313 98277 6	- 0.1057 17747	- 0.0776 9192	- 1.6712 42673
TRCN 000007 1570	NM_021457 .2-2097s1c1	143 62	Fzd1	0.210 55368 5	0.694 03512 5	0.280 34995 9	8.809 76050 6	0.928 37847 5	0.120 32937 1	15.01 55713 1	- 0.1072 15022	- 3.0549 39262	- 3.9083 87461
TRCN 000008 0307	NM_008871 .1-974s1c1	187 87	Serpine 1	1.109 04103 3	0.692 85470 3	0.402 98993 8	3.270 13186 5	0.926 79947 9	0.172 96783 6	5.573 69274 1	- 0.1096 70862	- 2.5314 24303	- 2.4786 33474
TRCN 000012 4935	NM_026719 .1-1592s1c1	684 21	Lmbrd1	0.384 77011 6	0.691 62997 5	1.277 74531 5	0.971 74665 7	0.925 16121 8	0.548 42273 1	1.656 26877 2	- 0.1122 23304	- 0.8666 39726	- 0.7279 36806
TRCN 000012 5676	NM_133706 .1-395s1c1	690 71	Tmem9 7	0.060 19017 1	0.690 92883 9	9.962 27600 5	3.002 23780 5	0.924 22334 1	4.275 92146 2	5.117 08755 2	- 0.1136 8657	- 2.0962 35354	- 2.3553 22918
TRCN 000008 0817	NM_011851 .2-1020s1c1	239 59	Nt5e	3.557 10429 8	0.690 55886 3	0.378 68363 2	0.825 58330 3	0.923 72844 1	0.162 53529 5	1.407 14437 6	- 0.1144 59307	- 2.6211 75056	- 0.4927 7036
TRCN 000017 6363	NM_180588 .1-193s1c1	725 49	Reep4	0.980 33280 2	0.689 61692 6	2.207 54645 3	0.423 28715 3	0.922 46845 6	0.947 50388 9	0.721 46097 7	- 0.1164 28516	- 0.0777 9623	- 0.4710 06732
TRCN 000008 0280	NM_028623 .2-499s1c1	737 20	Cst6	0.557 02591	0.688 87961	0.170 83160 7	6.433 84940 4	0.921 48218 2	0.073 32285 7	10.96 60103	- 0.1179 71825	- 3.7695 93196	- 3.4549 66829

TRCN 000019 8711	NM_198037 .1-2317s1c1	320 508	Cachd1	0.443 79302 7	0.688 75769 8	1.460 75863 7	0.067 95792 8	0.921 31910 7	0.626 97411 8	0.115 82915 5	- 0.1182 27162	- 0.6735 22207	- 3.1099 29657
TRCN 000017 8862	NM_139198 .1-501s1c1	231 507	Plac8	0.403 67063 4	0.687 67499 2	2.298 56398 9	0.261 66765 3	0.919 87082 2	0.986 56964 4	0.445 99274 8	- 0.1204 96819	- 0.0195 07197	- 1.1649 07843
TRCN 000010 0365	NM_028870 .1-1097s1c1	743 25	Cltb	0.525 56136 4	0.687 02713 6	1.360 10980 1	1.095 79998 5	0.919 00421 4	0.583 7745 8	1.867 70829 8	- 0.1218 56617	- 0.7765 16902	0.9012 - 6915
TRCN 000009 3363	NM_025664 .2-1317s1c1	666 16	Snx9	0.915 93641 8	0.684 89696 6	1.250 44435 4	0.443 75726 7	0.916 15477 7	0.536 70484 8	0.756 35072 9	- 0.1263 36743	- 0.8977 99174	- 0.4028 72711
TRCN 000002 7743	XM_129694 .3-472s1c1	718 77	Efhc1	0.961 65389 3	0.683 69334 3	0.746 87698 6	1.441 87332 6	0.914 54475 1	0.320 56804 1	2.457 56416 7	- 0.1288 74329	- 1.6412 9749	- 1.2972 29086
TRCN 000003 4355	NM_009025 .1-1001s1c1	194 14	Rasa3	0.469 38034 7	0.682 33159 5	0.597 27375 5	0.224 23742 4	0.912 72320 1	0.256 35664 6	0.382 19575 1	- 0.1317 5069	- 1.9637 75793	- 1.3876 16357
TRCN 000002 5047	NM_025415 .1-150s1c1	661 97	Cks2	0.556 82914 5	0.681 37884 6	1.573 14104 1	0.553 20018 8	0.911 44876 8	0.675 20991 5	0.942 88793 1	- 0.1337 66542	- 0.5665 92005	- 0.0848 41788
TRCN 000010 0503	NM_026577 .2-1376s1c1	681 46	Arl13b	0.581 58573 2	0.679 88847 5	0.738 76706 4	1.231 14388 9	0.909 45516 4	0.317 08717 4	2.098 39175 8	- 0.1369 25587	- 1.6570 48572	- 1.0692 84046
TRCN 000009 7384	NM_145354 .2-3568s1c1	281 14	Nsun2	0.346 39429 9	0.679 12114 4	0.434 82322 1	39.33 28627 7	0.908 42873 8	0.186 63104 1	67.03 98934 2	- 0.1385 54749	- 2.4217 39136	- 6.0669 4795
TRCN 000007 1891	NM_173761 .3-1717s1c1	228 994	Ythdf1	0.041 84902 2	0.678 37918 2	5.540 56342 3	4.012 82806 7	0.907 43624 8	2.378 07244 4	6.839 56231 4	- 0.1401 31804	- 1.2497 92665	- 2.7739 04005
TRCN 000009 0785	XM_488367 .1-413s1c1	436 221	UNK	0.082 27991 3	0.678 37918 2	1.287 58176 4	0.471 50768 4	0.907 43624 8	0.552 64464 5	0.803 64923 1	- 0.1401 31804	- 0.8555 75982	- 0.3153 6215
TRCN 000008 0421	NM_027548 .1-318s1c1	116 872	Serp1nb	0.261 56806 8	0.677 50328 8	1.503 60371 8	2.283 85093 2	0.906 26460 7	0.645 36371 3	3.892 65139 3	- 0.1419 95752	- 0.6318 15639	1.9607 - 5315
TRCN 000011 9817	NM_011069 .2-906s1c1	186 32	Pex11b	0.283 29471 7	0.677 21307 4	0.085 62978 9	1.626 15915 1	0.905 8764 8	0.036 75327 3	1.704 42446 1	- 0.1426 13875	- 4.7659 8344	0.7692 - 84661
TRCN 000017 5873	NM_009009 .2-2945s1c1	193 57	Rad21	0.446 67132 1	0.676 92546 6	0.483 03596 5	1.626 15915 1	0.905 49168 6	0.207 32449 6	2.771 66543 4	- 0.1432 26709	- 2.2700 3751	1.4707 - 53121
TRCN 000008 0842	XM_284491 .4-1764s1c1	736 99	Ppp2r1 b	0.764 28703 8	0.676 08994 5	1.191 31297 8	1.809 26773 7	0.904 37404 3	0.511 32499 5	3.083 76018 8	- 0.1450 0851	- 0.9676 87544	- 1.6246 90577
TRCN 000019 0899	NM_145389 .1-426s1c1	212 998	BC0165 79	0.256 59792 9	0.675 92094 9	3.635 47547 1	0.080 84468 2	0.904 14798 6	1.560 38716 3	0.137 79365 3	- 0.1453 69171	- 0.6419 04035	- 2.8594 18654
TRCN 000009 0905	NM_011902 .1-1028s1c1	240 84	Tekt2	0.115 10641 3	0.675 84359 2	0.020 18685 9	0.904 04450 1	0.904 8 8	0.008 66442 8	1.704 42446 1	- 0.1455 34294	- 6.8506 79773	0.7692 - 84661
TRCN 000003 1786	NM_007403 .1-542s1c1	115 01	Adam8	0.855 27498 5	0.674 85004 4	1.609 84998 6	0.188 79388 1	0.902 71548 5	0.690 96581 8	0.321 78490 8	- 0.1476 5674	- 0.5333 1377	- 1.6358 31431
TRCN 000007 7567	NM_023275 .1-690s1c1	808 37	Rhoj	0.377 07264 4	0.674 56309 3	3.830 54387 7	0.025 83100 7	0.902 33164 4	1.644 11272 7	0.044 027 7	- 0.1482 70314	- 0.7173 0922	- 4.5054 67634
TRCN 000002 2899	NM_009071 .1-3019s1c1	198 77	Rock1	0.540 32174 8	0.670 78009 4	2.910 91521 8	0.609 42051 3	0.897 27130 3	1.249 39771 3	1.038 71123 3	- 0.1563 83824	- 0.3212 32794	0.0547 - 94629
TRCN 000017 7629	NM_033560 .2-1701s1c1	523 48	Vps37a	0.496 25092 3	0.669 23033 4	1.133 93694 4	0.906 0347 4	0.895 19826 1	0.486 69855 3	1.544 26770 5	- 0.1597 2086	- 1.0388 99609	- 0.6269 22871
TRCN 000010 9344	NM_030732 .2-697s1c1	810 04	Tbl1xr1	0.361 90224 8	0.668 79872 8	0.993 01707 7	1.707 33879 2	0.894 62092 2	0.426 21415 8	2.910 03000 8	- 0.1606 51597	- 1.2303 49604	1.5410 - 3403
TRCN 000000 9539	NM_019794 .1-1671s1c1	564 45	Dnaja2	0.324 32218 7	0.668 31862 9	1.272 88458 9	0.935 11090 5	0.893 97871 6	0.546 33645 3	1.593 82590 1	- 0.1616 87612	- 0.8721 38409	- 0.6724 94047

TRCN 000007 1831	NM_009524 .2-763s1c1	224 18	Wnt5a	0.255 28604 2	0.667 30686 3	1.923 73791 8	0.015 89135 3	0.892 62532 4	0.825 69005 8	0.027 08561	- 0.1638 73358	- 0.2763 27761	- 5.2063 29603
TRCN 000010 6480	NM_146137 .2-4449s1c1	229 715	Amigo1	0.229 74811 4	0.665 32637 1	1.830 33867 2	0.005 13062 2	0.889 97611 2	0.785 60204 6	0.008 74475 8	- 0.1681 61482	- 0.3481 29409	- 6.8373 65754
TRCN 000017 4318	NM_026796 .1-435s1c1	226 830	Smyd2	0.771 06334 6	0.660 67414 4	1.095 18255 7	0.841 83202 8	0.883 75304 4	0.470 06473 2	1.434 8391	- 0.1782 84815	- 1.0890 68653	0.5208 88965
TRCN 000002 9859	NM_008737 .1-3359s1c1	181 86	Nrp1	0.992 38406 7	0.660 38920 7	1.309 44792 1	0.252 42117	0.883 37189 7	0.562 02984 8	0.430 23281 7	- 0.1789 07158	- 0.8312 81344	- 1.2168 1052
TRCN 000005 5278	NM_008828 .1-1163s1c1	186 55	Pgk1	0.553 10737 6	0.660 32427 9	14.72 25300	0.006 97599 4	0.883 28503 4	6.319 07631 8	0.011 89005 6	- 0.1790 49027	- 2.6597 1369	- 6.3941 00737
TRCN 000012 7106	NM_010865 .2-471s1c1	179 26	Myoc	0.626 84328 9	0.659 76613 4	1.202 60637 8	0.913 24641 6	0.882 53844 2	0.516 17225	1.556 55953	- 0.1802 68974	- 0.9540 75512	0.6383 60754
TRCN 000008 4400	NM_007961 .2-279s1c1	140 11	Etv6	0.882 98002 1	0.658 97018 2	0.888 27464 7	0.912 06246 5	0.881 47373 3	0.381 25751 8	1.554 54157 6	- 0.1820 10515	- 1.3911 62308	0.6364 89201
TRCN 000012 3797	NM_172429 .1-816s1c1	764 79	Smndc1	0.687 32330 1	0.656 67336 8	1.496 08591 3	0.402 96841 6	0.878 40139 3	0.642 13698 4	0.686 82922 5	- 0.1870 47753	- 0.6390 47003	- 0.5419 76667
TRCN 000003 1637	NM_133969 .1-804s1c1	102 294	Cyp4v3	0.182 75745 7	0.656 06490 2	1.630 27170 9	0.009 42682 4	0.877 58747 6	0.699 73104 4	0.016 06730 9	- 0.1883 85157	- 0.5151 27596	- 5.9597 27875
TRCN 000008 6167	NM_011448 .2-1744s1c1	206 82	Sox9	0.561 16451 7	0.655 85713 4	0.384 70430 7	6.679 14920 8	0.877 30955 4	0.165 11943 7	11.38 41052 9	- 0.1888 42115	- 2.5984 18139	3.5089 49005
TRCN 000002 8774	XM_181344 .3-762s1c1	208 77	Aurkb	0.298 32545 1	0.655 15140 8	0.460 95105 2	0.047 85788 6	0.876 36553 7	0.197 84540 2	0.081 57015 2	- 0.1903 95344	- 2.3375 5456	- 3.6158 14843
TRCN 000019 0679	NM_133851 .1-1023s1c1	108 907	Nusap1	0.420 35266 1	0.653 86703 1	0.085 55982 5	8.875 86693 8	0.874 64748 5	0.036 72324 4	15.12 82447 2	- 0.1932 26419	- 4.7671 62685	3.9191 72701
TRCN 000012 1352	NM_026036 .1-963s1c1	672 13	Cmtm6	0.551 35071 7	0.653 46396 9	0.428 72140 5	1.461 13724 6	0.874 10832 9	0.184 01207 3	2.490 39806 2	- 0.1941 1601	- 2.4421 27672	1.3163 76359
TRCN 000018 3727	NM_029523 .2-2773s1c1	761 31	Depdc1 a	0.523 65464 2	0.652 55464 6	0.702 65017 9	1.647 32889 9	0.872 89196 9	0.301 58539 9	2.807 74765 5	- 0.1961 2498	- 1.7293 61513	1.4894 1328
TRCN 000018 9434	NM_013538 .3-1038s1c1	147 93	Cdca3	0.231 67767 1	0.652 45714	0.079 05811 8	55.94 22550 9	0.872 76154 9	0.033 93263 8	95.34 93479 6	- 0.1963 40568	- 4.8811 8261	6.5751 51168
TRCN 000001 2151	NM_007417 .1-126s1c1	115 51	Adra2a	0.025 22595 4	0.651 24013	1.280 21405 2	0.781 11937 5	0.871 13360 8	0.429 21130 3	23.31 47914 2	- 0.1990 34089	- 1.2202 40027	4.5431 73618
TRCN 000001 2559	NM_007905 .1-161s1c1	136 19	Phc1	0.084 80773 9	0.651 24013 4	1 1	0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661	
TRCN 000002 2855	NM_178075 .2-1547s1c1	187 61	Prkcq	0.084 80773 9	0.651 24013 4	1 1	0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661	
TRCN 000003 1457	NM_023328 .1-401s1c1	672 69	Agtppb 1	0.047 44998 1	0.651 24013 4	1.280 21405 2	0.781 11937 5	0.871 13360 8	0.549 48234 1	1.331 35896 9	- 0.1990 34089	- 0.8638 54978	0.4128 99612
TRCN 000006 7258	NM_009140 .1-172s1c1	203 10	Cxcl2	0.025 22595 4	0.651 24013 4	59.00 43088	0.016 94791 5	0.871 13360 8	25.32 53162 4	0.028 88644 1	- 0.1990 34089	- 4.6625 08379	- 5.1134 63745
TRCN 000007 7043	NM_009018 .1-998s1c1	193 70	Raet1c	0.064 49634 4	0.651 24013 4	1 1	0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661	
TRCN 000007 9253	NM_023908 .1-1825s1c1	108 116	Slco3a1	0.057 59889 2	0.651 24013 4	1.280 21405 2	0.781 11937 5	0.871 13360 8	0.549 48234 1	1.331 35896 9	- 0.1990 34089	- 0.8638 54978	0.4128 99612
TRCN 000008 6610	XM_283603 .2-1461s1c1	167 64	Aff3	0.047 44998 1	0.651 24013 4	1 1	0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661	

TRCN 000009 3704	NM_024222 .2-3126s1c1	682 92	Stt3b	0.007 44419 4	0.651 24013 4	48.63 63888 7	0.020 56073 7	0.871 13360 8	20.87 52878 2	0.035 04422 3	- 0.1990 34089	4.3837 24184	- 4.8346 7955
TRCN 000010 2385	NM_007968 .1-2036s1c1	140 30	Ewsr1	0.023 06533 9	0.651 24013 4			0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661
TRCN 000010 3309	NM_174995 .1-373s1c1	211 666	Mgst2	0.032 93995 2	0.651 24013 4			0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661
TRCN 000010 5142	NM_008375 .1-171s1c1	162 04	Fabp6	0.031 04147 8	0.651 24013 4	1.560 42810 4	0.640 84977 5	0.871 13360 8	0.669 75337 9	1.092 28003 3	- 0.1990 34089	- 0.5782 98139	- 0.1273 42774
TRCN 000011 1307	NM_026329 .1-428s1c1	677 10	Polr2g	0.123 79305 4	0.651 24013 4	1.560 42810 4	0.640 84977 5	0.871 13360 8	0.669 75337 9	1.092 28003 3	- 0.1990 34089	- 0.5782 98139	- 0.1273 42774
TRCN 000012 6576	NM_001035 226.1- 1433s1c1	103 573	Xpo1	0.100 65742 4	0.651 24013 4			0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661
TRCN 000017 3209	NM_024281 .1-2812s1c1	819 10	Rrbp1	0.021 24564 2	0.651 24013 4	1.280 21405 2	152.1 67752 8	0.871 13360 8	0.549 48234 1	259.3 5844	- 0.1990 34089	- 0.8638 54978	- 8.0188 03508
TRCN 000018 3467	NM_145384 .1-2070s1c1	212 555	Pqlc2	0.035 08577 2	0.651 24013 4			0.871 13360 8	0.429 21130 3	1.704 42446 1	- 0.1990 34089	- 1.2202 40027	- 0.7692 84661
TRCN 000019 2629	NM_145389 .1-438s1c1	212 998	BC0165 79	0.029 34991 4	0.651 24013 4	1.560 42810 4	0.640 84977 5	0.871 13360 8	0.669 75337 9	1.092 28003 3	- 0.1990 34089	- 0.5782 98139	- 0.1273 42774
TRCN 000007 7171	NM_009672 .2-692s1c1	117 37	Anp32a	0.210 82891 5	0.649 43136 7	0.653 73575 8	1.433 28954 6	0.868 71409 3	0.280 59077 4	2.442 93376 6	- 0.2030 46648	- 1.8334 60527	- 1.2886 14749
TRCN 000019 0758	NM_016903 .2-117s1c1	138 85	Esd	0.040 03247 1	0.648 85081 4	0.381 98470 1	5.226 32731 4	0.867 93752 6	0.163 95215 1	8.907 88011 4	- 0.2043 36894	- 2.6086 53265	- 3.1550 82142
TRCN 000018 3842	NM_145223 .1-7746s1c1	236 266	Alms1	0.206 44541 6	0.648 72289 9	2.100 76513 9	0.784 79113 7	0.867 76640 8	0.901 67214 2	1.337 61721	- 0.2046 21356	- 0.1493 25146	- 0.4196 65314
TRCN 000009 1666	NM_007392 .2-338s1c1	114 75	Acta2	0.125 38418 7	0.648 69566 7	3.021 62998 9	0.044 98548 3	0.867 72999 3	1.296 91774 4	0.076 67435 7	- 0.2046 81898	- 0.3750 86981	- 3.7051 12029
TRCN 000008 4301	NM_011532 .1-654s1c1	213 80	Tbx1	0.274 43786 7	0.648 28929 4	0.302 23582 1	49.82 85021 7	0.867 18640 6	0.129 72303 3	84.92 89179 3	- 0.2055 85953	- 2.9464 93465	- 6.4081 83964
TRCN 000011 2830	NM_021375 .2-1628s1c1	581 76	Rhbg	0.283 85638 5	0.647 85892 3	1.316 22402 9	1.261 61052 9	0.866 61072	0.564 93823	2.150 31983	- 0.2065 44012	- 0.8238 34962	- 1.1045 51257
TRCN 000007 6767	NM_015729 .1-324s1c1	114 30	Acox1	0.768 45762 5	0.647 10963 7	1.694 94341 7	0.024 83152 5	0.865 60842 5	0.727 48887 2	0.042 32345 9	- 0.2082 13554	- 0.4590 02914	- 4.5623 98644
TRCN 000005 4853	NM_010849 .2-904s1c1	178 69	Myc	0.325 28269 8	0.646 87948 3	0.690 05778 4	2.088 56136 4	0.865 30056 8	0.296 1806	3.559 79507 6	- 0.2087 26745	- 1.7554 50947	- 1.8317 94193
TRCN 000006 7180	NM_008005 .1-565s1c1	141 72	Fgf18	0.280 36211 7	0.646 37550 5	0.116 05585 5	33.79 37808 7	0.864 62642	0.049 81248 5	57.59 89467 3	- 0.2098 51174	- 4.3273 48819	- 5.8479 70525
TRCN 000008 9338	NM_139299 .1-2719s1c1	218 624	Ii31ra	0.416 99583 4	0.645 81388 1	3.380 39834 7	0.265 48761 3	0.863 87516 2	1.450 90517 8	0.452 50358 2	- 0.2111 0525	- 0.5369 53237	- 1.1439 98883
TRCN 000008 9200	XM_204001 .4-610s1c1	136 38	Efna3	0.728 81483 9	0.645 71962 8	3.614 21845 3	0.174 07293 3	0.863 74908 4	1.551 26340 9	0.296 69416 5	- 0.2113 1582	- 0.6334 43681	- 1.7529 51539
TRCN 000010 6370	NM_009396 .1-2406s1c1	219 28	Tnfaip2	0.332 73257 4	0.645 47640 2	0.536 15904 8	2.893 93454 7	0.863 42373 1	0.230 12552 3	4.932 49283	- 0.2118 59349	- 2.1195 07092	- 2.3023 16954
TRCN 000007 6554	NM_183405 .1-324s1c1	333 182	Cox6b2	0.761 73356 3	0.645 28690 9	0.103 35467 1	1.694 55321	0.863 17025 6	0.044 36099 3	2.888 23794 2	- 0.2122 82944	- 4.4945 64535	- 1.5301 89601
TRCN 000012 5475	NM_026384 .2-659s1c1	678 00	Dgat2	1.066 52410 5	0.643 11136 3	1.646 38998 5	0.468 53316	0.860 26012 9	0.706 64919	0.798 57937 8	- 0.2171 55121	- 0.5009 33916	- 0.3244 92278

TRCN 000006 5682	NM_013589 .1-2748s1c1	169 97	Ltp2	0.278 31815 5	0.643 05734 9	3.290 90557 7	1.280 43635 1	0.860 18787 8	1.412 49387	2.182 40703 7	- 0.2172 76295	0.4982 44606	1.1259 20202
TRCN 000002 4989	XM_127444 .3-1025s1c1	697 16	Trip13	0.231 11491 7	0.642 30804 4	3.475 77628 3	0.357 45050 5	0.859 18556 7	1.491 84246 6	0.609 24738 4	- 0.2189 58336	0.5770 952	- 0.7148 99943
TRCN 000002 2493	NM_023057 .1-2061s1c1	659 64	B23012 0H23Ri k	1.195 49339 2	0.641 11290 6	0.878 87572 9	1.448 87572 2	0.857 58688 6	0.377 22339 7	2.469 49922 1	- 0.2216 4525	- 1.4065 08936	1.3042 18514
TRCN 000007 6263	NM_008217 .2-1949s1c1	151 18	Has3	0.145 97893 8	0.639 73674 1	0.759 93548 5	0.043 22098 3	0.855 74605 5	0.326 17289 9	0.073 66690 1	- 0.2247 45359	- 1.6162 91177	- 3.7628 39642
TRCN 000017 7738	NM_027250 .2-1691s1c1	698 93	201030 5A19Ri k	0.360 56477 6	0.639 28375 8	3.250 52678 6	0.001 72520 3	1.395 16283 14012	0.002 94047 6	- 0.2257 67261	- 0.4804 33516	- 8.4097 33707	
TRCN 000008 8535	NM_133901 .2-1074s1c1	100 683	Trrap	0.135 76268 9	0.639 08276 5	1.178 94401 1	1.027 76990 5	0.854 87126 2	0.506 01609 5	1.751 75616 7	- 0.2262 20919	- 0.9827 44822	0.8088 01975
TRCN 000007 0203	NM_025530 .1-1021s1c1	663 88	Cutc	0.366 87409 4	0.638 37672 9	8.098 64721 9	0.273 43251 1	0.853 92683	3.476 03092 3	0.466 04506	- 0.2278 15639	- 1.7974 40916	- 1.1014 58645
TRCN 000000 4691	NM_008562 .2-2992s1c1	172 10	Mcl1	0.479 17487 9	0.637 40938	2.359 65318 9	0.678 11748 7	0.852 63285 2	1.012 78981 9	1.155 80003 2	- 0.2300 03452	- 0.0183 34807	- 0.2088 91814
TRCN 000019 1302	NM_019708 .1-207s1c1	563 67	Scoc	0.999 60314 3	0.637 33482 9	1.219 31344 3	0.279 98324 9	0.852 53312 9	0.523 34311 1	0.477 21029 9	- 0.2301 72197	- 0.9341 70987	- 1.0673 02916
TRCN 000005 5026	NM_013646 .1-1426s1c1	198 83	Rora	0.469 55215 8	0.637 14368	0.064 83626 6	9.011 84685 2	0.852 27743 7	0.027 82845 8	15.36 00122 1	- 0.2306 04955	- 5.1672 95214	- 3.9411 07458
TRCN 000009 0547	NM_134471 .2-160s1c1	738 04	Kif2c	0.277 39434 9	0.636 30760 2	0.993 21728 1	0.155 78776 8	0.851 15905 5	0.426 30008 3	0.265 52848 2	- 0.2324 99342	- 1.2300 58759	- 1.9130 61472
TRCN 000001 2848	NM_009772 .1-1861s1c1	122 35	Bub1	0.075 01217	0.636 28810 5	1.569 66989	0.281 96217 2	0.851 13297 5	0.673 72005 8	0.480 58322 3	- 0.2325 4355	- 0.5697 78842	- 1.0571 41809
TRCN 000011 9855	NM_007808 .2-319s1c1	130 63	Cycs	1.635 34504 4	0.635 69120 5	1.600 97097 2	0.970 60660 2	0.850 33453	0.687 15483 7	1.654 32563 4	- 0.2338 97571	- 0.5412 92877	- 0.7262 43239
TRCN 000008 6153	NM_144849 .1-1509s1c1	223 690	C73004 8E16Ri k	0.627 12016 7	0.634 38225 5	0.016 27539 4	9.270 08947 3	0.848 58360 8	0.006 98558 3	15.80 01672 5	- 0.2368 71285	- 7.1614 03776	- 3.9818 67925
TRCN 000011 4340	NM_019699 .1-830s1c1	564 73	Fads2	0.499 53889 2	0.633 94300 4	0.251 21582 4	15.84 41181 9	0.847 99604 2	0.107 82467 1	27.00 51026	- 0.2378 70563	- 3.2132 40782	- 4.7551 60124
TRCN 000004 2513	NM_010849 .2-1876s1c1	178 69	Myc	0.149 40866 7	0.633 56225 6	2.033 04342 3	2.271 33584 2	0.847 48673 3	0.872 60521 6	3.871 32036 8	- 0.2387 3731	- 0.1965 98998	- 1.9528 25702
TRCN 000010 0124	NM_010738 .2-208s1c1	110 454	Ly6a	0.765 09105 6	0.632 79409 8	3.502 49493 7	0.032 57043 7	0.846 45920 5	1.503 31041 4	0.055 51384 9	- 0.2404 87556	- 0.5881 42938	- 4.1710 08473
TRCN 000011 1509	NM_033075 .2-1608s1c1	110 956	D17H6 S56E-5	0.355 27411 3	0.632 37747 5	1.874 13025 4	0.342 23608 2	0.845 90190 7	0.804 39788 8	0.583 31554 9	- 0.2414 3772	- 0.3140 18802	- 0.7776 51563
TRCN 000009 7001	NM_175662 .1-218s1c1	319 176	Hist2h2 ac	0.037 54595 5	0.631 92092 3	3.329 01295 8	0.292 47433 7	0.845 29119 9	1.428 84998 8	0.498 50041 5	- 0.2424 79666	- 0.5148 54459	- 1.0043 3339
TRCN 000000 9693	NM_009754 .1-139s1c1	121 25	Bcl2l11	0.120 22430 4	0.631 71177 2	0.535 08642 6	0.317 80298 6	0.845 01142 7	0.229 66514 2	0.541 67118 3	- 0.2429 57244	- 2.1223 96191	- 0.8845 10754
TRCN 000009 7496	NM_178891 .3-1005s1c1	998 90	Prmt6	0.068 50790 9	0.631 48934 2	0.034 30347 8	42.65 95121	0.844 71389 3	0.014 72344 1	72.70 99159	- 0.2434 65315	- 6.0857 41338	- 6.1840 80222
TRCN 000001 2762	NM_008279 .1-600s1c1	264 11	Map4k1	0.626 83971 6	0.630 74365 3	0.939 75241 4	10.41 91709 2	0.843 71642	0.403 35235 8	17.75 86897 7	- 0.2451 69917	- 1.3098 87406	- 4.1504 53239
TRCN 000010 8531	NM_010733 .2-1665s1c1	169 81	Lrrn3	0.139 56387 2	0.629 78949 4	1.006 10863	0.685 83372 1	0.842 44008 5	0.431 83319 6	1.168 95177 1	- 0.2473 5401	- 1.2114 53945	- 0.2252 15407

TRCN 000001 2690	NM_007614 .2-450s1c1	123 87	Ctnnb1	0.270 90255 1	0.629 16033	0.688 09432 8	3.029 07373 2	0.841 59848 2	0.295 33786 3	5.162 82736 1	- 0.2487 95992	- 1.7595 61771	2.3681 61357
TRCN 000012 5469	NM_025944 .2-1821s1c1	670 63	281043 2L12Ri k	0.500 49672 2	0.627 46015 3	1.955 01163 8	0.388 53523 1	0.839 32423 4	0.839 11309 2	0.662 22895 1	- 0.2526 99858	- 0.2530 62831	- 0.5945 98012
TRCN 000003 1701	NM_012055 .1-299s1c1	270 53	Asns	0.931 38116 5	0.625 85392 9	0.375 33809 2	0.026 13117 3	0.837 17566 3	0.161 09935 2	0.044 53861 1	- 0.2563 97722	- 2.6339 77408	- 4.4887 99616
TRCN 000012 6062	NM_007823 .1-706s1c1	131 20	Cyp4b1	0.280 61535 9	0.625 77931 5	0.260 22434 6	1.662 29465 6	0.837 07585 6	0.111 69123 2	2.833 25567 2	- 0.2565 69728	- 3.1624 12179	1.5024 60796
TRCN 000002 7491	XM_134499 .4-509s1c1	136 17	Ednra	0.488 51492 5	0.623 16896 7	1.694 75687	1.304 76599 5	0.833 58411 5	0.727 40880 4	2.223 87507 7	- 0.2626 00309	- 0.4591 61708	1.1530 75749
TRCN 000020 0080	NM_013865 .1-1310s1c1	298 12	Ndr3	0.098 35687 4	0.622 28300 1	2.148 65146 2	0.164 19704 5	0.832 39899 9	0.922 22549 3	0.279 86145 9	- 0.2646 52865	- 0.1168 08548	- 1.8372 15274
TRCN 000007 6264	NM_008217 .2-1017s1c1	151 18	Has3	0.205 74823 3	0.622 16575 7	2.657 44056 5	1.080 70867 8	0.832 24216 8	1.140 60352 7	1.841 98630 6	- 0.2649 24706	- 0.1897 97398	0.8812 62336
TRCN 000010 0280	NM_177336 .2-1888s1c1	218 878	UNK	0.171 11357 3	0.620 33634 1	0.065 62725 4	1.080 79504 1	0.829 79504 3	0.028 16795 9	1.704 42446 1	- 0.2691 73056	- 5.1498 01148	0.7692 84661
TRCN 000009 1486	NM_009930 .1-3906s1c1	128 25	Col3a1	0.077 27819 8	0.619 66312 9	0.062 95352 4	1.080 79504 1	0.828 89451 8	0.027 02036 4	1.704 42446 1	- 0.2707 39573	- 5.2098 09075	0.7692 84661
TRCN 000001 2854	NM_009773 .1-2358s1c1	122 36	Bub1b	0.742 9039 5	0.618 35514 5	1.634 41001 3	1.113 07171 9	0.827 14488 9	0.701 50725 1	1.897 14666 5	- 0.2737 88031	- 0.5114 7008	0.9238 31215
TRCN 000002 3313	NM_009465 .2-265s1c1	263 62	Axl	0.629 19788 2	0.614 09515 9	0.939 70633 8	2.026 45207 5	0.821 44650 5	0.403 33258 1	3.453 93447 7	- 0.2837 6147	- 1.3099 58143	1.7882 40714
TRCN 000010 9653	NM_011821 .1-591s1c1	238 88	Gpc6	0.445 94757 8	0.609 91888 4	1.424 20568 7	2.281 68380 7	0.815 86009 5	0.611 28517 8	3.888 95769 2	- 0.2936 06317	- 0.7100 82508	1.9593 8354
TRCN 000008 9191	NM_011915 .1-246s1c1	241 17	Wif1	0.191 29343 7	0.609 35434 6	0.046 76040 6	75.26 26085 2	0.815 10494	0.020 07009 5	128.2 79430 9	- 0.2949 42286	- 5.6388 0877	7.0031 46049
TRCN 000008 4579	NM_010751 .1-222s1c1	171 19	Mxd1	0.775 27844 8	0.608 12836 4	0.289 69539 7	2.168 1.340 22403	0.813 46500 1	0.124 34053 9	2.284 31061 9	- 0.2978 47819	- 3.0076 31359	1.1917 58841
TRCN 000007 6419	NM_130452 .1-1001s1c1	170 442	Bbox1	0.312 70521 6	0.607 29703 8	3.291 20834 9	0.021 29693 9	0.812 35297 4	1.412 62382 3	0.036 29902 4	- 0.2998 21369	- 0.4983 77332	- 4.7839 25437
TRCN 000007 0201	NM_054055 .1-1305s1c1	114 644	Slc13a3	0.456 64346 3	0.606 8992 3	1.601 48186	0.175 77012 8	0.811 47871 7	0.687 37411 5	0.299 58690 6	- 0.3013 74838	- 0.5408 3257	1.7389 53524
TRCN 000008 6608	XM_283603 .2-4792s1c1	167 64	Aff3	0.521 80973 2	0.606 30215 1	0.180 52105 9	2.168 55018 7	0.811 02216	0.077 48167 9	3.696 12998 3	- 0.3021 8676	- 3.6900 00974	1.8860 15493
TRCN 000010 5431	NM_015749 .1-758s1c1	214 52	Tcn2	0.173 31301 8	0.605 06193	0.164 32889 4	3.922 94674 2	0.809 36317 5	0.070 53181 9	6.686 36638 6	- 0.3051 40885	- 3.8255 81946	2.7412 22411
TRCN 000010 1262	NM_028450 .1-273s1c1	706 76	Gulp1	0.111 10736 2	0.603 43296 5	0.047 04926 5	0.781 11937 5	0.807 18418 4	0.020 19407 6	1.331 35896 9	- 0.3090 30188	- 5.6299 24032	0.4128 99612
TRCN 000008 5998	NM_021877 .2-4346s1c1	154 60	Hr	0.580 91796 1	0.600 30245 8	0.009 30717 8	40.86 79226 2	0.802 99665	0.003 99474 6	69.65 62869 7	- 0.3165 34125	- 7.9676 80497	- 6.1221 81667
TRCN 000005 5023	NM_013646 .1-831s1c1	198 83	Rora	0.251 94413 2	0.598 27797 8	0.278 65636 3	3.415 04418	0.800 28859 8	0.119 60246 1	5.820 68483 4	- 0.3214 07741	- 3.0636 81023	2.5411 88904
TRCN 000002 8848	NM_010607 .1-1023s1c1	165 26	Kcnk2	1.165 99820 5	0.598 04717 6	0.680 10932 7	2.396 56518 6	0.799 97986 4	0.291 91061 5	4.084 76432 5	- 0.3219 64408	- 1.7764 01445	2.0302 52843
TRCN 000008 0727	NM_019926 .1-1281s1c1	177 72	Mtm1	0.478 34421 1	0.597 77038 9	1.579 81903 5	0.404 45521 5	0.799 60962	0.678 07618 6	0.689 36336 2	- 0.3226 32266	- 0.5604 80717	- 0.5366 6347

TRCN 000006 7317	NM_010509 .1-323slcl	159 76	Ifnar2	0.102 65837 6	0.597 20382 7	1.566 69944 6	1.507 49625 1	0.798 85175 5	0.672 44511	2.569 41348 4	- 0.3240 00291	- 0.5725 11586	1.3614 39075
TRCN 000003 1263	NM_008607 .1-133slcl	173 86	Mmp13	0.100 76975 6	0.595 82741 5	0.333 56545 4	10.89 79942 4	0.797 01058 7	0.143 17006 3	18.57 48079 6	- 0.3273 29207	- 2.8041 98235	4.2152 7539
TRCN 000003 1357	NM_028906 .2-942slcl	743 88	Dpp8	0.216 15144 7	0.595 30348 4	0.065 08763 4	11.86 15335 4	0.796 30975	0.027 93634 8	20.21 70879 1	- 0.3285 98372	- 5.1617 12743	4.3375 033
TRCN 000003 0756	NM_021522 .2-1111slcl	590 25	Usp14	1.036 85385 7	0.593 92554 7	0.861 94405 2	1.797 01171 3	0.794 46655 3	0.369 95612 9	3.062 87071 9	- 0.3319 41611	- 1.4345 73894	1.6148 84474
TRCN 000005 4698	NM_009263 .1-1251slcl	207 50	Spp1	0.333 64368 7	0.593 68433 7	0.662 46882 4	0.046 60782 3	0.794 14389 8	0.284 33910 7	0.079 43951 3	- 0.3325 27649	- 1.8143 1556	3.6539 99415
TRCN 000005 5105	NM_010828 .1-649slcl	176 84	Cited2	0.124 55949 8	0.593 48336 1	4.204 28391 6	0.120 69182 5	0.793 87506 2	1.804 52617 6	0.205 71009 8	- 0.3330 16117	- 0.8516 20071	2.2813 1548
TRCN 000010 0614	NM_145823 .1-824slcl	717 95	Pitpnc1	0.199 68235 9	0.591 85781 2	0.069 79795 7	30.43 36997 8	0.791 70064 1	0.029 95807 2	51.87 19423 4	- 0.3369 73076	- 5.0609 11405	5.6968 82487
TRCN 000007 6265	NM_008217 .2-1602slcl	151 18	Has3	0.614 11566 3	0.591 11436 6	0.060 78302 3	14.45 77934 2	0.790 70616 8	0.026 08876 1	24.64 22167 6	- 0.3387 86417	- 5.2604 27778	4.6230 60138
TRCN 000006 6594	NM_007573 .1-367slcl	122 61	Clqbp	0.947 88174 7	0.590 39798 2	3.597 44074 7	0.058 81245 5	0.789 74789 4	1.544 06222 9	0.100 24138 7	- 0.3405 3591	- 0.6267 30898	3.3184 49806
TRCN 000003 9427	NM_133975 .2-1134slcl	148 97	Trip12	0.447 46866 9	0.588 67867 9	0.381 99788 9	2.270 61757 4	0.787 44805	0.163 95781 2	3.870 09612 7	- 0.3447 43346	- 2.6086 03456	1.9523 69401
TRCN 000008 4399	NM_007961 .2-1022slcl	140 11	Etv6	0.259 72618 7	0.587 11138	1.467 95588	1.323 32084 4	0.785 35155 9	0.630 06325 5	2.255 50041 7	- 0.3485 89481	- 0.6664 31419	1.1734 47552
TRCN 000002 4731	NM_008704 .2-665slcl	181 02	Nme1	0.202 63091 2	0.586 67183 8	0.518 30592 3	2.715 58984 4	0.784 76360 4	0.222 46276	4.628 51775 5	- 0.3496 69962	- 2.1683 64241	2.2105 50256
TRCN 000009 5866	NM_009534 .1-1108slcl	226 01	Yap1	0.404 76306 6	0.585 43811 8	1.457 38981 3	0.016 55481 7	0.783 11331 5	0.625 52818 5	0.028 21643 5	- 0.3527 07017	- 0.6768 53216	5.1473 2046
TRCN 000020 1612	NM_175127 .1-944slcl	679 48	Fbxo28	0.839 09444 3	0.584 88031 4	1.282 99627 6	0.006 76442 8	0.782 36716 7	0.550 67650 3	0.011 52945 6	- 0.3540 82269	- 0.8607 23044	6.4385 31714
TRCN 000006 9040	NM_028787 .2-749slcl	741 50	Slc35f5	0.687 02858 9	0.584 60959 4	0.093 39304 6	41.45 19900 1	0.782 00503 7	0.040 08535 1	70.65 17857 2	- 0.3547 50196	- 4.6407 81091	6.1426 5412
TRCN 000001 1921	NM_009255 .2-1079slcl	207 20	Serpine 2	0.019 17677 2	0.583 41609 5		0.780 40854 1	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661	
TRCN 000002 4733	NM_008704 .2-415slcl	181 02	Nme1	0.058 08333 2	0.583 41609 5	6.043 85293 9	0.864 73436 2	0.780 40854 8	2.594 08999 3	1.473 87439 8	- 0.3576 98514	- 1.3752 2853	0.5596 13585
TRCN 000002 6596	NM_009909 .2-152slcl	127 65	Il8rb	0.112 35917 7	0.583 41609 5		0.780 40854 1	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661	
TRCN 000003 0636	NM_007798 .1-483slcl	130 30	Ctsb	0.071 99425 2	0.583 41609 5	52.55 93856 8	0.019 02609 8	0.780 40854 8	22.55 90823 6	0.032 42854 6	- 0.3576 98514	- 4.4956 36479	4.9465 91845
TRCN 000003 2385	NM_011872 .2-793slcl	239 93	Klk7	0.064 29495 3	0.583 41609 5	1.280 21405 2	13.04 29650 7	0.780 40854 8	0.549 48234 1	22.23 07487 1	- 0.3576 98514	- 0.8638 54978	4.4744 84633
TRCN 000006 7958	NM_011336 .1-120slcl	203 01	Ccl27	0.058 08333 2	0.583 41609 5		0.780 40854 1	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661	
TRCN 000008 5026	NM_009567 .2-644slcl	227 55	Zfp93	0.064 29495 3	0.583 41609 5		0.780 40854 1	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661	
TRCN 000008 6223	NM_198960 .1-1562slcl	332 937	Tcfap2e	0.064 29495 3	0.583 41609 5		0.780 40854 1	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661	

TRCN 000010 2229	NM_008515 .1-994slcl	169 78	Lrrfip1	0.081 78838 5	0.583 41609 5	1	1	0.780 40854 8	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661
TRCN 000010 9027	NM_031878 .1-468slcl	837 96	Smarcd 2	0.041 89370 6	0.583 41609 5	1	1	0.780 40854 8	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661
TRCN 000011 1394	NM_016658 .1-915slcl	144 30	Galt	0.052 96619 7	0.583 41609 5	1.280 21405 2	0.781 11937 5	0.780 40854 8	0.549 48234 1	1.331 35896 9	- 0.3576 98514	- 0.8638 54978	0.4128 99612
TRCN 000011 4774	NM_010518 .1-1470slcl	160 11	Igfbp5	0.112 35917 7	0.583 41609 5	1	1	0.780 40854 8	0.429 21130 3	1.704 42446 1	- 0.3576 98514	- 1.2202 40027	0.7692 84661
TRCN 000018 3258	NM_013625 .1-2052slcl	184 72	Pafah1b 1	0.006 58129 5	0.583 41609 5	1	1.603 76104 5	0.780 40854 8	0.429 21130 3	2.733 48955 4	- 0.3576 98514	- 1.2202 40027	1.4507 43862
TRCN 000019 1475	NM_007900 .1-777slcl	136 05	Ect2	0.822 16192 7	0.582 64974 3	1.199 45251 1	0.163 61913 1	0.779 38343 5	0.514 81857 5	0.278 87644 9	- 0.3595 94826	- 0.9578 63987	1.8423 0199
TRCN 000008 9634	NM_144848 .2-763slcl	223 650	Eppk1	0.549 43058 2	0.582 39108 1	2.198 72095 3	1.067 43464 4	0.779 03743 6	0.943 71588 4	1.819 36171 7	- 0.3602 35438	- 0.0835 75508	0.8634 32401
TRCN 000001 2369	NM_009736 .1-878slcl	120 17	Bag1	0.397 45077 5	0.581 93623 9	0.909 19816 1	1.009 20830 6	0.778 42901 4	0.390 23812 7	1.720 11932 3	- 0.3613 6261	- 1.3575 73355	0.7825 08647
TRCN 000002 3929	XM_125706 .5-2028slcl	110 279	Bcr	0.656 83136 3	0.581 25105 1	7.601 27516 6	1.447 58857 9	0.777 51247 5	3.262 55321 6	2.467 30538 4	- 0.3630 62281	- 1.7060 01434	1.3029 36292
TRCN 000001 2758	NM_008279 .1-2100slcl	264 11	Map4k1	0.446 09053 7	0.580 19529 4	0.223 32252 5	4.303 81618 5	0.776 10023 3	0.095 85255 2	7.335 52958 2	- 0.3656 85107	- 3.3830 39346	2.8749 01123
TRCN 000012 6061	NM_007823 .1-705slcl	131 20	Cyp4b1	0.489 19902 4	0.579 81242 8	0.329 80647 4	1.615 84173 7	0.775 58809 2	0.141 55666 6	2.754 08018 1	- 0.3666 37442	- 2.8205 48405	1.4615 70562
TRCN 000008 0413	NM_011454 .1-166slcl	207 08	Serpinb 6b	0.277 3645 6	0.578 32614 6	0.889 72580 1	0.310 96219 8	0.773 59996 1	0.381 88037 7	0.530 01157 7	- 0.3703 40373	- 1.3888 07332	0.9159 04223
TRCN 000010 4696	NM_134094 .2-501slcl	525 89	Ncald	0.123 83131 8	0.577 41408 4	0.962 86011 4	0.290 22286 4	0.772 37993 8	0.413 27044 4	0.494 66294 9	- 0.3726 17403	- 1.2748 41906	1.0154 82251
TRCN 000004 1539	NM_008278 .1-592slcl	154 46	Hpgd	0.356 66609 2	0.576 91749 9	1.221 17205 6	0.007 06185 6	0.771 71567 9	0.524 14084 6	0.012 03639 9	- 0.3738 58677	- 0.9319 73552	6.3764 52322
TRCN 000011 9642	NM_011171 .1-889slcl	191 24	Procr	1.420 72424 4	0.575 6673 6	1.281 09712 1	0.854 67994 4	0.770 04334 6	0.549 86136 4	1.456 73740 3	- 0.3769 88437	- 0.8628 60175	0.5427 40835
TRCN 000017 4484	NM_026014 .3-860slcl	671 77	Cdt1	0.401 67331 5	0.575 14260 9	1.285 55697 6	0.844 15896 2	0.769 34149 4	0.551 77558 4	1.438 80518 1	- 0.3783 03977	- 0.8578 46475	0.5248 71259
TRCN 000011 4296	NM_021890 .3-2258slcl	605 27	Fads3	0.139 59733 5	0.574 64017 6	0.204 79322 7	16.69 77871 7	0.768 66940 2	0.087 89956 5	28.46 01168 9	- 0.3795 64853	- 3.5080 00167	4.8308 69682
TRCN 000019 1300	NM_009477 .1-335slcl	222 71	Upp1	1.107 43547 6	0.573 51983 7	2.208 10484 8	0.260 5342 5	0.767 17078 5	0.947 74355 8	0.444 06086 3	- 0.3823 80313	- 0.0774 31349	1.1711 70668
TRCN 000008 6224	NM_198960 .1-799slcl	332 937	Tcfap2e	1.001 72495 4	0.571 69775 4	0.083 32111 2	1	0.764 73347 3	0.035 76236 3	1.704 42446 1	- 0.3869 71077	- 4.8054 14118	0.7692 84661
TRCN 000009 8847	NM_153122 .1-3066slcl	754 75	Oplah	0.189 2592 5	0.571 08647 5	0.140 60838 1	0.337 66690 9	0.763 91579 6	0.060 35070 6	0.575 52774 6	- 0.3885 14483	- 4.0504 85537	0.7970 42628
TRCN 000002 2603	XM_356104 .1-439slcl	745 68	Mkl1	0.126 24496 3	0.569 94906 6	0.088 07005 1	1	0.762 39433 1	0.037 80066 1	1.704 42446 1	- 0.3913 90703	- 4.7254 44717	0.7692 84661
TRCN 000008 2259	NM_021498 .2-252slcl	590 01	Pole3	0.207 04712 7	0.567 16131 3	0.139 89844 3	4.622 56626 9	0.758 66528 3	0.060 04599 3	7.878 81502 1	- 0.3984 6458	- 4.0577 88219	2.9779 78664
TRCN 000011 2053	NM_019796 .2-260slcl	564 03	Syncrip	0.214 36135 2	0.567 06142 6	0.727 12826 8	0.948 05490 8	0.758 53166 9	0.312 09166 8	1.615 88797 5	- 0.3987 18679	- 1.6799 58254	0.6923 27184

TRCN 000004 2645	NM_013508 .1-1180s1c1	137 13	Elk3	0.965 84181 2	0.566 32804 8	0.117 88989 9	15.57 22583 2	0.757 55066 4	0.050 59967 7	26.54 17379 9	- 0.4005 85717	- 4.3047 28007	4.7301 90938
TRCN 000019 3881	NM_022979 .1-1318s1c1	269 966	Nup98	0.078 64296 6	0.563 54763 3	5.718 90806 6	0.012 54073 4	0.753 83143 1	2.454 61998 1	0.021 37473 4	- 0.4076 86145	- 1.2954 99687	- 5.5479 49728
TRCN 000009 6876	NM_026030 .1-274s1c1	672 04	Eif2s2	0.041 81624 7	0.563 20654 4	0.507 42269 7		0.753 37517 3	0.217 79155 7	1.704 42446 1	- 0.4085 59604	- 2.1989 8007	0.7692 84661
TRCN 000009 5425	NM_001025 305.1- 993s1c1	214 19	Tcfap2b	0.067 15762 3	0.562 71830 5	3.974 61061 4	0.032 27586 5	0.752 72207 8	1.705 94779 9	0.055 01177 3	- 0.4098 10807	- 0.7705 73502	- 4.1841 15787
TRCN 000010 9669	NM_010217 .1-1041s1c1	142 19	Ctgf	0.185 66862 3	0.562 42271 2	4.866 06496 5	0.281 37748 9	0.752 32667 8	2.088 57008 3	0.479 58667 4	- 0.4105 68845	- 1.0625 15554	- 1.0601 36522
TRCN 000008 1908	NM_009530 .1-7511s1c1	225 89	Atrx	0.260 87548 4	0.560 57479 8	2.198 41703 4	0.303 39127 8	0.749 85480 9	0.943 58543 9	0.517 10751 6	- 0.4153 16815	- 0.0837 74939	- 0.9514 63821
TRCN 000003 2535	NM_029614 .2-238s1c1	764 53	Prss23	0.088 26013 5	0.560 09272 1	0.895 37238 9	10.89 34181 1	0.749 20995 8	0.384 30394 9	18.56 70082 8	- 0.4165 58021	- 1.3796 80293	4.2146 69466
TRCN 000010 8660	NM_009416 .2-1276s1c1	220 04	Tpm2	0.575 43816 1	0.558 24399 8	6.034 79610 9	0.082 60000 5	0.746 73700 6	2.590 20269 9	0.140 78546 9	- 0.4213 27866	- 1.3730 65002	- 2.8284 29661
TRCN 000010 0241	NM_007479 .2-739s1c1	118 43	Arf4	0.615 00207 5	0.556 76585	1.017 93288 9	0.551 17939	0.744 75975 7	0.436 90830 2	0.939 44363 5	- 0.4251 52975	- 1.1945 97577	- 0.0901 2149
TRCN 000017 6523	NM_178901 .2-262s1c1	101 602	AI4676 06	0.323 91930 9	0.555 06919 8	2.084 26344 7	0.065 66116	0.742 49022 5	0.894 58942 9	0.111 91448 6	- 0.4295 56062	- 0.1607 02384	- 3.1595 31301
TRCN 000002 3997	NM_010019 .2-468s1c1	131 43	Dapk2	0.266 66991 3	0.554 47875	0.192 06556		0.741 70041 1	0.082 43671 2	1.704 42446 1	- 0.4310 91528	- 3.6005 69224	0.7692 84661
TRCN 000019 0298	NM_145389 .1-562s1c1	212 998	BC0165 79	0.364 55837 3	0.553 74704 6	0.299 00248	0.229 22275 5	0.740 72164 4	0.128 33524 4	0.390 69287 1	- 0.4329 96602	- 2.9620 10673	1.3558 93165
TRCN 000008 1033	NM_354809 .1-144s1c1	723 91	Cdkn3	0.054 67610 6	0.553 40649 9	0.255 60865 4		0.740 26611 1	0.109 71012 3	1.704 42446 1	- 0.4338 84113	- 3.1882 31441	0.7692 84661
TRCN 000002 3085	NM_009874 .1-186s1c1	125 72	Cdk7	0.472 19864	0.552 48018 1	0.749 08694 5	0.349 06684 1	0.739 02701 6	0.321 51658 3	0.594 95806 3	- 0.4363 0099	- 1.6370 34943	0.7491 40114
TRCN 000010 0282	NM_177336 .2-2252s1c1	218 878	UNK	0.936 72584 3	0.552 45440 8	3.534 99282 4	0.319 10726 6	0.738 99254 1	1.517 25887 5	0.543 89422 9	- 0.4363 68291	- 0.6014 67259	- 0.8786 01976
TRCN 000011 3396	NM_013853 .1-373s1c1	274 07	Abcf2	0.146 74187 5	0.551 28625 8	0.381 98470 1		0.737 42996 2	0.163 95215 1	1.704 42446 1	- 0.4394 2206	- 2.6086 53265	0.7692 84661
TRCN 000007 9394	NM_011404 .2-988s1c1	205 39	Slc7a5	0.352 73701 1	0.550 29580 5	0.476 43734	1.311 57802 2	0.736 10507 9	0.204 49229 2	2.235 48566 2	- 0.4420 16369	- 2.2898 81634	1.1605 88293
TRCN 000009 9046	NM_029571 .1-1050s1c1	100 087	Kti12	0.196 29385	0.547 89148 8	0.050 71352 2	19.21 30160 1	0.732 88893 5	0.021 76681 7	32.74 71344 6	- 0.4483 33511	- 5.5217 25756	5.0332 96764
TRCN 000002 7003	NM_152804 .1-1180s1c1	206 20	Plk2	0.280 46719 9	0.547 62914 4	2.854 27830 6	0.565 53807 6	0.732 53801 1		1.225 08851 91693	- 0.4490 24473	- 0.2928 85984	0.0530 19274
TRCN 000005 5385	NM_008548 .2-2447s1c1	171 55	Man1a	0.537 27373 9	0.545 50799 3	0.977 78375 7	1.535 5101	0.729 70064 6	0.419 67584	2.617 16097 4	- 0.4546 23365	- 1.2526 52683	1.3880 02663
TRCN 000017 7847	NM_178901 .2-251s1c1	101 602	AI4676 06	0.021 00604 7	0.544 55743 9	18.26 73582 9	0.729 73939	0.728 42913 4	7.840 55664 6	1.243 78566 7	- 0.4571 3947	- 2.9709 56083	0.3147 37897
TRCN 000004 1009	NM_019927 .1-1399s1c1	238 06	Arl1	0.342 34150 3	0.542 66622 5	0.012 57809 5	118.6 12866 2	0.725 89934 5	0.005 39866 1	202.1 66670 5	- 0.4621 5858	- 7.5331 82724	- 7.6594 01361
TRCN 000002 8912	NM_010195 .1-943s1c1	141 60	Lgr5	1.358 67763 9	0.542 20001 6	1.151 01888 3	0.167 59483 7	0.725 27571 9	0.494 03031 4	0.285 65274	- 0.4633 98544	- 1.0173 28526	- 1.8076 65725

TRCN 000012 5852	NM_026139 .2-2976slc1	674 16	Armxc2	1.820 74386 1	0.541 80214 5	0.315 86717 8	4.784 30601 3	0.724 74350 5	0.135 57376 3	8.154 48819 6	- 0.4644 57595	- 2.8828 5009	3.0275 94331
TRCN 000012 5853	NM_026139 .2-870slc1	674 16	Armxc2	0.228 42595 5	0.538 76789 5	1.232 70026 7	0.018 15497 8	0.720 68473 8	0.529 08888 8	0.030 94378 8	- 0.4725 59816	- 0.9184 17978	- 5.0142 06359
TRCN 000010 0665	NM_010762 .2-1103slc1	171 53	Mal	0.232 34633 1	0.537 39111 3	0.433 48391 4	1.116 28253 1	0.718 84307 3	0.186 05619 6	1.902 61925 1	- 0.4762 51237	- 2.4261 89663	0.9279 86881
TRCN 000008 1789	NM_007914 .1-992slc1	136 61	Ehf	1.610 11030 9	0.537 00885 1	2.665 09621 3	0.019 76506 8	0.718 33173 9	1.143 88941 7	0.033 68805 1	- 0.4772 77834	- 0.1939 4759	- 4.8916 19208
TRCN 000010 1143	NM_008529 .2-198slc1	170 69	Ly6e	0.295 67498 9	0.535 77461 9	0.452 95101 1	0.103 23501 8	0.716 68076 4	0.194 41169 4	0.175 95628 9	- 0.4805 97462	- 2.3628 13097	- 2.5067 11011
TRCN 000001 2091	NM_008687 .2-772slc1	180 28	Nfib	0.295 76145 5	0.533 43385	2.494 45250 3	0.022 08782	0.713 54962 7	1.070 64720 8	0.037 64702 1	- 0.4869 14323	- 0.0984 83172	- 4.7313 20481
TRCN 000017 9093	NM_008970 .1-1300slc1	192 27	Pthlh	0.492 92195	0.533 23571 9	1.695 82893	1.014 68381 1	0.713 28459 5	0.727 86894 4	1.729 45190 8	- 0.4874 50279	- 0.4582 49385	0.7903 14896
TRCN 000017 5448	NM_173759 .2-1102slc1	225 583	A73001 7C20Ri k	0.218 7912	0.531 62547 8	0.678 20522 8	3.202 84926 7	0.711 13065 1	0.291 09334 9	5.459 01463 4	- 0.4918 13454	- 1.7804 46216	- 2.4486 40565
TRCN 000010 0613	NM_145823 .1-1385slc1	717 95	Pitpnc1	1.921 22008 9	0.531 30148	1.958 82442	0.671 82732 4	0.710 69725 5	0.840 74958 1	1.145 07892 4	- 0.4926 92968	- 0.2502 5194	0.1954 47039
TRCN 000002 4791	NM_029094 .1-1680slc1	747 69	Pik3cb	0.447 58737 8	0.530 85333 2	1.292 50943	2.528 80982 9	0.710 09778 7	0.554 75965 6	4.310 16532 9	- 0.4939 10383	- 0.8500 65221	2.1077 43209
TRCN 000010 0635	NM_008850 .1-2735slc1	187 38	Pitpna	0.350 22593 4	0.530 73679 5	0.274 44386	1.598 05347 5	0.709 94190 2	0.117 79440 7	2.723 76143 2	- 0.4942 27128	- 3.0856 5706	1.4456 00346
TRCN 000000 4695	NM_008562 .2-735slc1	172 10	Mei1	0.375 3385	0.530 73645 4	0.232 76835 1	9.626 51300 3	0.709 94144 6	0.099 90680 7	16.40 76642 3	- 0.4942 28055	- 3.3232 7321	4.0362 97969
TRCN 000000 8513	XM_207062 .2-1071slc1	193 740	Hspa1a	0.020 51944 4	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000001 2090	NM_008687 .2-1496slc1	180 28	Nfib	0.028 42818 2	0.528 38674 2	6.884 49509 5	0.320 65126 9	0.706 79834 5	2.954 90310 8	0.546 52586 7	- 0.5006 29434	- 1.5631 10825	0.8716 38316
TRCN 000007 6465	NM_011030 .1-663slc1	184 51	P4ha1	0.004 86846 9	0.528 38674 2	58.16 36666 4	0.017 19286 4	0.706 79834 5	24.96 45031 3	0.029 30393 8	- 0.5006 29434	- 4.6418 06288	- 5.0927 61653
TRCN 000007 9034	NM_010279 .2-1344slc1	145 85	Gfra1	0.016 45122 8	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000008 5471	NM_019426 .2-2932slc1	543 43	Atf7ip	0.064 13247 7	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000009 5684	NM_007715 .4-6762slc1	127 53	Clock	0.079 49216 4	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000010 1983	NM_016752 .1-694slc1	110 172	Slc35b1	0.079 49216 4	0.528 38674 2	2.120 85620 9	0.756 18565 7	0.706 79834 5	0.910 29545 6	1.288 86133	- 0.5006 29434	- 0.1355 93216	0.3660 97051
TRCN 000011 1061	NM_008576 .2-115slc1	172 50	Abcc1	0.090 30631 6	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000017 6235	NM_030013 .1-179slc1	779 51	Cyp20a 1	0.018 26150 5	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000020 2180	NM_153557 .1-291slc1	227 622	BC0292 14	0.021 17395 5	0.528 38674 2	1 1	1 1	0.706 79834 5	0.429 21130 3	1.704 42446 1	- 0.5006 29434	- 1.2202 40027	0.7692 84661
TRCN 000006 9155	XM_134169 .4-312slc1	117 39	Slc25a4	0.439 17948 7	0.526 57016 8	4.170 43575 8	0.035 13582 8	0.704 36839 8	1.789 99816 4	0.059 88636 5	- 0.5055 97911	- 0.8399 58108	- 4.0616 28626

TRCN 000011 4788	NM_010917 .1-3536s1c1	180 73	Nid1	0.317 99223 8	0.524 37612 3	0.987 39773 7	0.795 47613 5	0.701 43352 7	0.423 80226 9	1.355 82898 3	- 0.5116 21705	- 1.2385 36783	0.4391 75216
TRCN 000007 7250	NM_011130 .1-662s1c1	189 70	Polb	0.285 94581 2	0.523 41082 4	3.025 68146 8	0.629 66919 4	0.700 14229 2	1.298 65668 4	1.073 22357 7	- 0.5142 79941	0.3770 20087	0.1019 50653
TRCN 000008 9691	NM_008632 .1-523s1c1	177 56	Mtap2	0.035 53351 4	0.522 42267 4	0.557 99165 8	0.781 11937 5	0.698 82048 9	0.239 49632 6	1.331 35896 9	- 0.5170 06187	- 2.0619 24568	0.4128 99612
TRCN 000012 5411	NM_173437 .1-5672s1c1	215 690	Nav1	0.333 13043 1	0.520 81397 9	1.651 72122 4	0.342 63483 9	0.696 66861 3	0.708 93741 8	0.583 9952	- 0.5214 55528	- 0.4962 69817	- 0.7759 71583
TRCN 000002 2600	XM_356104 .1-579s1c1	745 68	Mkl	0.800 95931 7	0.520 64283 7	0.315 89546 2	2.131 11756 5	0.696 43968 4	0.135 58590 3	3.632 32890 6	- 0.5219 29683	- 2.8827 20908	1.8608 94844
TRCN 000007 7763	NM_009828 .1-1617s1c1	124 28	Ccna2	0.890 37791 8	0.520 62544 9	1.149 78808 1	1.231 51512 1	0.696 41642 5	0.493 50204 6	2.099 02449 6	- 0.5219 77865	- 1.0188 72046	1.0697 19003
TRCN 000008 0042	NM_011593 .1-36s1c1	218 57	Timp1	0.167 26382 8	0.518 88625 5	2.119 61965 8	0.249 66417 6	0.694 08998 6	0.909 76471 5	0.425 53372 9	- 0.5268 0538	- 0.1364 34614	- 1.2326 54608
TRCN 000017 5103	NM_134052 .1-281s1c1	104 923	Adi1	0.802 12609 1	0.516 96281 7	0.848 79892 5	0.642 56324 4	0.691 51709 2	0.364 31409 2	1.095 20051 1	- 0.5321 63185	- 1.4567 45292	0.1311 95024
TRCN 000009 7254	XM_284495 .2-433s1c1	330 938	Dixd1	0.218 12464 5	0.516 79964 3	1.286 07755 5	7.299 98623 2	0.691 29882 3	0.551 99902 3	12.44 22751	- 0.5326 18626	- 0.8572 62382	3.6371 78404
TRCN 000012 1358	NM_145448 .2-1425s1c1	217 830	903061 7O03Ri k	1.056 57798 3	0.516 33255 4	1.491 61683 1	0.720 85348 5	0.690 67401 9	0.640 21880 3	1.228 64031 2	- 0.5339 2314	- 0.6433 63046	0.2970 62624
TRCN 000010 5817	NM_019466 .2-112s1c1	547 20	Dscr1	0.603 78758 5	0.515 72620 8	0.058 21040 6		0.689 86293 8	0.024 98456 4	1.704 42446 1	- 0.5356 18338	- 5.3228 19131	0.7692 84661
TRCN 000011 0725	NM_013470 .1-1246s1c1	117 45	Anxa3	0.379 69925 8	0.515 14087 4	0.814 64049 3	1.542 97587 1	0.689 07996 4	0.349 65290 7	2.629 88581 6	- 0.5372 56685	- 1.5160 04595	1.3950 00162
TRCN 000007 5779	NM_008195 .1-1238s1c1	149 37	UNK	0.362 58866 1	0.514 82290 6	2.384 12762 3	0.599 10297 3	0.688 65463 3	1.023 29452 3	1.021 12575 7	- 0.5381 47457	- 0.0332 21439	0.0301 60552
TRCN 000012 4782	NM_021385 .1-40s1c1	581 86	Rad18	0.050 26182 4	0.513 75363 8	4.168 25355 3	1.892 35110 7	0.687 22432 4	1.789 06153 7	3.225 36951 6	- 0.5411 46995	- 0.8392 03012	1.6894 64453
TRCN 000017 5838	NM_199042 .1-848s1c1	737 54	Thap1	0.512 35947 9	0.513 75363 8	0.649 55953 3	11.00 45926 6	0.687 22432 4	0.278 79829 3	18.75 64969 1	- 0.5411 46995	- 1.8427 06366	4.2293 185
TRCN 000009 7386	NM_145354 .2-1529s1c1	281 14	Nsun2	1.906 63312 1	0.512 63312 1	0.827 17109 4	0.836 19640 4		0.355 03118 3	1.425 23360 5	- 0.5442 97007	- 1.4939 82351	0.5111 98406
TRCN 000002 8240	NM_198618 .1-2893s1c1	242 667	Dlgap3	0.378 66468 6	0.511 15167 8	3.943 01782 9	0.184 06363 9	0.683 74380 2	1.692 38781 9	0.313 72256 9	- 0.5484 72245	- 0.7590 60207	- 1.6724 38777
TRCN 000009 2983	NM_178214 .2-2058s1c1	319 190	Hist2h2 be	0.604 69569 6	0.509 44300 8	3.095 76204 7	0.413 49581 2	0.681 45819 5	1.328 73606 1	0.704 77237 6	- 0.5533 0294	- 0.4100 54557	- 0.5047 70717
TRCN 000012 6379	NM_009149 .1-3581s1c1	203 40	Glg1	0.589 35015 8	0.509 43636 9	3.903 24335 5	0.057 48134 4	0.681 44931 3	1.675 31616 5	0.097 97260 8	- 0.5533 21742	- 0.7444 33386	- 3.3514 77743
TRCN 000004 2533	NM_007462 .1-3239s1c1	117 89	Apc	18.05 96609 5	0.509 25462 6	1.637 27226 5	1.255 33615 4	0.681 20620 4	0.702 73576 2	2.139 62564 8	- 0.5538 36521	- 0.5089 45777	1.0973 58403
TRCN 000011 0768	NM_031176 .1-9444s1c1	818 77	Tnxb	0.206 28136 6	0.508 88071 8	4.769 29570 6	0.353 49844 6	0.680 70604 5	2.047 03562 3	0.602 51139 7	- 0.5548 96173	- 1.0335 36209	- 0.7309 39563
TRCN 000012 5413	NM_173437 .1-4915s1c1	215 690	Nav1	0.354 78049 6	0.508 41814 6	2.129 68924 5	0.156 77077 4	0.680 08728 3	0.914 08669 3	0.267 20394 3	- 0.5562 08177	- 0.1295 97097	- 1.9039 86799
TRCN 000005 5024	NM_013646 .1-1492s1c1	198 83	Rora	0.011 37851 6	0.507 78154 1	18.11 56642 7	0.041 70567 5	0.679 23572 7	7.775 44786 1	0.071 08417 2	- 0.5580 1575	- 2.9589 25776	- 3.8143 27824

TRCN 000010 2049	NM_016714 .2-344slcl	181 41	Nup50	0.151 65066 3	0.507 63416 5	1.606 07465 2	0.173 50150 1	0.679 03858 9	0.689 34539 3	0.295 72020 3	- 0.5584 34531	- 0.5367 01075	- 1.7576 95287
TRCN 000018 2799	NM_181400 .2-637slcl	995 12	Wdr47	0.168 92333 2	0.506 34850 8	1.860 46916 9	0.975 84496 6	0.677 31882 2	0.798 53439 4	1.663 25403 4	0.5620 93	0.3245 73551	0.7340 08533
TRCN 000010 1261	NM_028450 .1-274slcl	706 76	Gulp1	0.123 78187 7	0.505 64998 5	0.041 71139 6		0.676 38444 4	0.017 90300 2	1.704 42446 1	- 0.5640 84614	- 5.8036 5463	0.7692 84661
TRCN 000004 1012	NM_019927 .1-1033slcl	238 06	Arih1	0.535 28728	0.505 34493	2.785 36614 4	0.463 46739 1	0.675 97638 5	1.195 51063 1	0.789 94515 9	- 0.5649 55247	- 0.2576 26959	- 0.3401 75596
TRCN 000001 2126	NM_008720 .1-2724slcl	181 45	Npc1	0.276 47643 3	0.504 77709 7	0.949 43791 9	0.144 64318 1	0.675 21682 2	0.407 50948 6	0.246 53337 5	- 0.5665 77247	- 1.2950 94452	- 2.0201 45125
TRCN 000019 8912	NM_016854 .1-1015slcl	534 12	Ppp1r3c	0.414 98290 6	0.504 42701 1	1.432 01642 9	7.962 08141 9	0.674 74852 8	0.614 63763 7	13.57 07663 3	- 0.5675 7817	- 0.7021 91983	3.7624 30286
TRCN 000008 9968	NM_016674 .2-2752slcl	127 37	Cldn1	1.200 90016 9	0.503 39723 5	0.174 69317 4	0.203 12830 9	0.673 37104 5	0.074 98028 5	0.346 21685 8	- 0.5705 26407	- 3.7373 44883	- 1.5302 5212
TRCN 000004 1419	NM_019826 .2-168slcl	563 57	Ivd	0.042 69990 7	0.502 37545 1	0.083 01489 7	40.88 05432 9	0.672 00425 3	0.035 63093 2	69.67 77979 5	- 0.5734 57732	- 4.8107 25963	- 6.1226 27126
TRCN 000006 8823	NM_010291 .2-605slcl	146 22	Gjb5	0.349 24447 2	0.502 26793 4	1.200 00657 2	2.918 68203 3	0.671 86043 1	0.515 05638 4	4.974 67305 1	- 0.5737 66528	- 0.9571 97719	2.3146 01711
TRCN 000007 9544	NM_009196 .2-1482slcl	205 01	Slc16a1	0.138 16918 8	0.502 18034 8	1.194 15234 9	1.626 15433 9	0.671 74327 2	0.512 54368 5	2.771 65723 3	- 0.5740 18129	- 0.9642 53121	1.4707 48852
TRCN 000006 9470	NM_146188 .1-976slcl	233 107	Kctd15	0.098 03937 4	0.502 01705 9	1.535 06016 2	5.083 95317 5	0.671 52484 7	0.658 86517 2	8.665 21414 9	- 0.5744 87313	- 0.6019 44829	- 3.1152 35404
TRCN 000010 1541	NM_133699 .1-461slcl	687 75	Atp6v1 c2	1.135 80074 7	0.501 69257 4	3.634 87962 6	0.035 36963 6	0.671 0908 9	1.560 13141 9	0.060 28487 3	- 0.5754 20116	- 0.6416 67561	- 4.0520 60154
TRCN 000007 6243	NM_138651 .2-3680slcl	110 911	Cds2	0.572 26068 4	0.499 91970 1	0.948 23539 3	0.502 01484 9	0.668 71930 9	0.406 99334 8	0.855 64638 8	- 0.5805 27319	- 1.2969 22879	- 0.2249 13396
TRCN 000006 8165	NM_133654 .1-555slcl	124 90	Cd34	1.493 50982 2	0.498 94552 3	1.629 30572 4	0.658 90056 6	0.667 41619 7	0.699 31643 2	1.123 04624 3	- 0.5833 41396	- 0.5159 82689	0.1674 17333
TRCN 000019 2878	NM_016903 .2-515slcl	138 85	Esd	0.357 62124 9	0.498 48392 3	3.008 69360 4	0.260 99835 7	0.666 79873 7	1.291 36530 1	0.444 85198 3	- 0.5846 76724	- 0.3688 97168	- 1.1686 02711
TRCN 000004 1279	NM_011723 .1-622slcl	224 36	Xdh	0.936 50861 2	0.498 08911 8	1.092 15817 5	0.071 92957 3	0.666 27062 4	0.468 76663 3	0.122 59852 4	- 0.5858 19809	- 1.0930 58214	- 3.0279 86479
TRCN 000009 8031	NM_009627 .1-259slcl	115 35	Adm	0.894 91559 4	0.497 60674 3	1.301 17132 3	0.207 87159 3	0.665 62537 4	0.558 47743 7	0.354 30142 8	- 0.5872 17664	- 0.8404 29099	- 1.4969 50815
TRCN 000007 6873	NM_013737 .2-1703slcl	272 26	Pla2g7	0.286 56762 1	0.497 35581 3	3.259 96834 2	0.374 58483 5	0.665 28971 3	1.399 21525 8	0.638 45155 5	- 0.5879 45369	- 0.4846 17926	- 0.6473 50941
TRCN 000009 5695	NM_007970 .1-1458slcl	140 55	Ezh1	0.095 78285 8	0.495 41625 1	3.271 99668 4	0.116 74360 9	0.662 69525 4	1.404 37795 9	0.198 98066 2	- 0.5935 82507	- 0.4899 31259	- 2.3292 99863
TRCN 000001 1925	NM_133753 .1-1452slcl	741 55	Errf1	0.081 08946 4	0.495 13144 8	0.278 65636 3		0.662 31428 6	0.119 60246 1	1.704 42446 1	- 0.5944 12117	- 3.0636 81023	- 0.7692 84661
TRCN 000006 9153	XM_134169 .4-672slcl	117 39	Slc25a4	0.118 13060 8	0.494 96806 8	9.069 37037 2	0.506 01445 6	0.662 09574 1	3.892 67627 2	0.862 46341 7	- 0.5948 88246	- 1.9607 6237	- 0.2134 64831
TRCN 000008 0116	NM_009817 .1-2154slcl	123 80	Cast	0.439 54149 3	0.494 96806 8	1.387 04144 2	0.158 12609 2	0.662 09574 1	0.595 33386 3	0.269 51397 9	- 0.5948 88246	- 0.7482 29136	- 1.8915 67989
TRCN 000002 8760	XM_181344 .3-531slcl	208 77	Aurkb	0.145 64251 691	0.492 64251 1	1.994 24275 4	0.073 47737 1	0.658 98495 2	0.855 95153 8	0.125 23662 8	- 0.6016 82573	- 0.2243 98991	- 2.9972 71528

TRCN 000006 9038	NM_028787 .2-2097s1c1	741 50	Slc35f5	0.297 17027 8	0.490 80332 4	0.473 74384 6	3.636 60553 2	0.656 52475 6	0.203 33621 3	6.198 31942 3	- 0.6070 78682	- 2.2980 6092	2.6318 77104
TRCN 000009 2698	NM_178208 .1-70s1c1	319 155	Hist1h4 c	0.701 7264	0.489 71539 5	1.543 49048 6	0.904 92228 9	0.655 06948 4	0.662 48356 2	1.542 37168 5	- 0.6102 80151	- 0.5940 43437	0.6251 50472
TRCN 000006 9089	XM_355081 .1-1795s1c1	106 931	Kctd1	0.167 78910 1	0.489 57534 9	0.402 52273 7	0.771 93326 9	0.654 88215 2	0.172 76730 9	1.315 70194 5	- 0.6106 92783	- 2.5330 97842	0.3958 32703
TRCN 000008 1792	NM_007914 .1-813s1c1	136 61	Ehf	0.593 63326 9	0.489 01207 2	0.675 97613 4	0.412 42766 2	0.654 12868 3	0.290 13659 7	0.702 95179 5	- 0.6123 53619	- 1.7851 9581	0.5085 02335
TRCN 000000 9625	NM_153403 .1-1306s1c1	236 511	Eif2c1	0.268 09863 5	0.488 22414 5	1.029 92504 5	0.229 22275 5	0.653 07470 8	0.442 05546 8	0.390 69287 1	- 0.6146 80057	- 1.1777 00689	1.3558 93165
TRCN 000018 9969	NM_013538 .3-527s1c1	147 93	Cdca3	0.325 49266 6	0.488 15543 9	0.153 82532 7	66.20 61928 5	0.652 98280 3	0.066 02356 9	112.8 43454 5	- 0.6148 83096	- 3.9208 7506	6.8181 78928
TRCN 000012 0467	NM_007636 .1-1666s1c1	124 61	Cct2	0.781 10675 5	0.487 60231 7	11.44 85289 3	0.417 84638 2	0.652 24291 8	4.913 83801 6	0.712 18759 4	- 0.6165 1872	- 2.2968 503	0.4896 7079
TRCN 000012 4934	NM_026719 .1-2589s1c1	684 21	Lmbrd1	1.614 55080 6	0.485 69923	0.953 14461	0.712 70213 3	0.649 69724 7	0.409 10044	1.214 74694 8	- 0.6221 60502	- 1.2894 73007	0.2806 55808
TRCN 000000 9484	NM_009696 .2-279s1c1	118 16	Apoe	0.022 45489 2	0.482 84364 8	1 1	0.645 87746 9	0.429 21130 3	1.704 42446 1	- 0.6306 67601	- 1.2202 40027	0.7692 84661	
TRCN 000007 9033	NM_010279 .2-1997s1c1	145 85	Gfra1	0.008 04014	0.482 84364 8	1 1	52.92 34498 6	0.645 87746 9	0.429 21130 3	90.20 40224 9	- 0.6306 67601	- 1.2202 40027	6.4951 19864
TRCN 000008 4450	NM_178661 .2-1321s1c1	208 647	Creb3l2	0.077 68707 4	0.482 84364 8	1 1	0.645 87746 9	0.429 21130 3	1.704 42446 1	- 0.6306 67601	- 1.2202 40027	0.7692 84661	
TRCN 000010 0246	NM_028680 .2-787s1c1	739 16	Ift57	0.086 99007 5	0.482 84364 8	4.362 56862 6	0.229 22275 5	0.645 87746 9	1.872 46376 3	0.390 69287 1	- 0.6306 67601	0.9049 37799	1.3558 93165
TRCN 000011 0896	NM_011166 .1-224s1c1	191 11	Prlpb	0.114 38527 4	0.482 84364 8	1.560 42810 4	0.640 84977 5	0.645 87746 9	0.669 75337 9	1.092 28003 3	- 0.6306 67601	0.5782 98139	0.1273 42774
TRCN 000012 4817	NM_053182 .2-1174s1c1	942 12	Pagl	0.047 32228 1	0.482 84364 8	1.840 64215 6	0.543 28865 4	0.645 87746 9	0.790 02441 8	0.925 99447 1	- 0.6306 67601	0.3400 30851	0.1109 24515
TRCN 000011 2655	NM_198093 .2-1227s1c1	140 580	Elmo1	0.681 45840 1	0.478 38376 1	0.017 25617	1 1	0.639 91168 6	0.007 40654 3	1.704 42446 1	- 0.6440 55282	7.0769 83941	0.7692 84661
TRCN 000007 9140	NM_008115 .1-903s1c1	145 86	Gfra2	1.879 17822 7	0.476 37235 2	0.165 42646 4	1.273 65985 1	0.637 22111 7	0.071 00290 8	2.170 85700 5	- 0.6501 34017	3.8159 78071	1.1182 64699
TRCN 000006 5763	NM_008932 .1-381s1c1	191 16	Prlr	0.462 48010 8	0.475 77113 7	0.602 89443 8	0.882 33361 6	0.636 4169	0.258 76910 7	1.503 87099 7	- 0.6519 55949	1.9502 62702	0.5886 80817
TRCN 000019 4552	NM_025455 .1-370s1c1	662 64	Ccdc28 b	0.552 96511 7	0.475 60625 8	1.339 79211 4	0.262 09310 7	0.636 19634 9	0.575 05391 9	0.446 71790 3	- 0.6524 56003	0.7982 30862	1.1625 64021
TRCN 000002 5477	NM_138671 .1-171s1c1	192 185	Nadk	0.312 69098 2	0.473 7848	0.878 49435 8	1.582 58950 3	0.633 75987	0.377 05970 8	2.697 40426 1	- 0.6579 91785	1.4071 35101	1.4315 71755
TRCN 000018 1674	NM_001013 806.1- 1869s1c1	433 667	Ankrd1 3c	0.478 07526 7	0.472 93335 2	3.650 53169 8	0.459 92778 4	0.632 62092 6	1.566 84946 5	0.783 91216 6	- 0.6605 86815	0.6478 6658	0.3512 3608
TRCN 000009 8030	NM_009627 .1-979s1c1	115 35	Adm	0.808 64446 1	0.472 62826 5	1.386 18679 3	0.162 84737 3	0.632 21282 6	0.594 96703 9	0.277 56104 6	- 0.6615 1779	0.7491 18349	1.8491 22988
TRCN 000003 4356	NM_009025 .1-165s1c1	194 14	Rasa3	1.844 21908 5	0.472 60489 7	0.180 58475 8	0.667 93590 8	0.632 18156 9	0.077 50901 9	1.138 4463	- 0.6615 89121	3.6894 9199	0.1870 66242
TRCN 000009 4955	NM_023051 .1-1287s1c1	659 45	Clstn1	0.358 80147 3	0.472 57968 7	0.108 70705 4	18.36 56439 6	0.632 14784 6	0.046 65829 6	31.30 28528 1	- 0.6616 66081	4.4217 22557	4.9682 22239

TRCN 000008 7926	NM_172301 .2-214slcl	268 697	Ccnb1	0.415 53085 3	0.472 39775 4	0.583 88495 9	24.31 00867 7	0.631 90448 2	0.250 61002 4	41.43 47065 3	- 0.6622 21596	- 1.9964 83975	- 5.3727 67799
TRCN 000004 1744	NM_010699 .1-537slcl	168 28	Ldha	0.425 91373 7	0.471 81470 5	0.298 20266 6	5.683 47968 3	0.631 12456 4	0.127 99195 5	9.687 06179 4	- 0.6640 03318	- 2.9658 74967	- 3.2760 59145
TRCN 000011 5405	NM_026568 .1-882slcl	681 26	Fahd2a	0.044 87402 4	0.470 73229 7	1.287 58176 5	5.595 71118 5	0.629 67666 9	0.552 64464 5	9.537 46701 9	- 0.6673 16881	- 0.8555 75982	- 3.2536 06163
TRCN 000011 4702	NM_008697 .1-5927slcl	180 80	Nin	76.06 69427 6	0.470 20885 9	4.663 44525 4	0.891 68889 7	0.628 9765 9	2.001 60341 2	1.519 81636 8	- 0.6689 2198	- 1.0011 56154	- 0.6038 9702
TRCN 000012 5674	NM_133706 .1-898slcl	690 71	Tmem9	0.166 96849 2	0.470 01685 7	0.050 58755 3	2.035 44276 1	0.626 42191 6	0.628 71966 7	1.704 42446 1	- 0.6695 11201	- 5.5253 13755	- 0.7692 84661
TRCN 000004 2414	NM_008675 .1-241slcl	179 65	Nbl1	0.079 79973 9	0.468 29910 5	1.029 05787 2	2.035 44276 6	0.626 42191 7	0.441 68327 9	3.469 25843 9	- 0.6747 9342	- 1.1789 15909	- 1.7946 27317
TRCN 000007 9556	NM_026228 .2-932slcl	675 47	Slc39a8	0.448 59643 4	0.468 00205 2	0.445 81723 7	0.100 33260 6	0.626 02455 7	0.191 34979 7	0.171 00934 8	- 0.6757 08844	- 2.3857 15724	- 2.5478 52907
TRCN 000009 1111	NM_133752 .1-1433slcl	741 43	Opal	0.386 98016 3	0.467 97178 4	0.037 64960 4	0.541 53703 5	0.625 98406 8	0.016 15963 5	0.923 00897 5	- 0.6758 02155	- 5.9514 61536	- 0.1155 83427
TRCN 000006 5369	NM_019568 .1-526slcl	572 66	Cxcl14	0.900 92590 7	0.465 90656 9	6.488 94364 4	0.047 46955 6	0.623 22152 6	2.785 12795 5	0.080 90827 2	- 0.6821 8303	- 1.4777 43609	- 3.6275 68971
TRCN 000009 1855	XM_484897 .2-5182slcl	128 35	Col6a3	0.447 43353 6	0.465 42714 4	0.170 41763 4	8.492 07330 1	0.622 58021 6	0.073 14517 5	14.47 40974 6	- 0.6836 68362	- 3.7730 93499	- 3.8554 01486
TRCN 000010 6484	NM_146137 .2-1681slcl	229 715	Amigo1	0.089 96961 2	0.465 14150 7	0.484 84957 1	1.048 48378 9	0.622 19813 9	0.208 10291 6	1.787 06141 6	- 0.6845 54014	- 2.2646 30914	- 0.8375 89216
TRCN 000018 2360	NM_023719 .1-1049slcl	563 38	Txnip	0.779 35927 6	0.465 14150 7	6.514 62336 9	0.027 75714 8	0.622 19813 9	2.796 14998 3	0.047 30996 1	- 0.6845 54014	- 1.4834 41747	- 4.4017 12206
TRCN 000000 9580	NM_023646 .2-1196slcl	839 45	Dnaja3	1.432 15955 5	0.464 53861 2	4.137 02639 1	0.508 14235 9	0.621 39167 4	1.775 65848 6	0.866 09026 6	- 0.6864 25185	- 0.8283 54134	- 0.2074 10701
TRCN 000011 4297	NM_021890 .3-1097slcl	605 27	Fads3	0.443 81212 9	0.463 03919 6	0.521 83449 8	1.512 96896 7	0.619 38597 6	0.223 97726 4	2.578 74131 6	- 0.6910 89377	- 2.1585 758	- 1.3666 67058
TRCN 000017 5978	NM_030131 .2-485slcl	984 17	Cnih4	2.049 26813 6	0.462 04093 7	1.061 00890 1	1.811 03188 2	0.618 05065 3	0.455 39701 3	3.086 76703 9	- 0.6942 03021	- 1.1348 03267	- 1.6260 96605
TRCN 000010 6342	NM_198617 .1-724slcl	241 732	Tspyl3	0.889 12856 4	0.461 61053 7	0.262 97449 5	0.082 26893 2	0.617 47492 5	0.112 87162 6	0.140 22118 8	- 0.6955 47544	- 3.1472 45238	- 2.8342 23814
TRCN 000006 6494	NM_010111 .2-435slcl	136 42	Efnb2	0.184 90769 4	0.458 05700 3	1.363 83560 2	0.004 25063 5	0.612 72152 8	0.585 37365 5	0.007 24488 7	- 0.7066 96554	- 0.7725 70276	- 7.1088 21122
TRCN 000007 9825	NM_181328 .2-696slcl	214 663	Slc25a2	0.255 84663 8	0.456 40174 1	1.332 90064 4	0.037 34172 8	0.610 50736 9	0.572 09602 2	0.063 64615 4	- 0.7119 19407	- 0.8056 70783	- 3.9737 82844
TRCN 000012 5582	NM_011574 .1-823slcl	217 71	Cirhl1a	0.247 84521 1	0.455 71043 3	4.300 08137 4	0.439 91063 1	0.609 58263 8	1.845 64352 8	0.749 79443 8	- 0.7141 06299	- 0.8841 23935	- 0.4154 32972
TRCN 000002 3480	NM_007912 .1-1694slcl	136 49	Egfr	0.549 03225 6	0.454 12290 4	3.189 95427 3	0.006 51844 2	0.607 45906 7	1.369 16442 9	0.011 11019 2	- 0.7191 40898	- 0.4532 95717	- 6.4919 72444
TRCN 000012 0818	NM_178804 .2-3622slcl	205 63	Slit2	0.620 07166 2	0.454 02952 9	2.228 47238 6	0.616 15772 3	0.607 33416 3	0.956 48553 3	1.050 1943 4	- 0.7194 37571	- 0.0641 84947	- 0.0706 5627
TRCN 000009 2701	NM_178208 .1-69slcl	319 155	Hist1h4	0.755 61388 9	0.452 58100 9	1.454 46859 1	0.540 07766 6	0.605 39654 5	0.624 27435 9	0.920 52158 4	- 0.7240 47653	- 0.6797 47884	- 0.1194 76545
TRCN 000007 2089	NM_011462 .1-199slcl	207 29	Spin	0.344 83591 5	0.452 32134 4	6.788 72060 7	0.870 66844 3	0.605 04920 4	2.913 79561 5	1.483 98859 1	- 0.7248 75624	- 1.5428 99685	- 0.5694 80001

TRCN 000019 1303	NM_019708 .1-931slcl	563 67	Scoc	0.245 96573 2	0.452 18287	1.628 84198 6	0.395 02676 4	0.604 86397 3	0.699 11739 1	0.673 29328	- 0.7253 17361	- 0.5163 93372	- 0.5706 9303
TRCN 000012 0110	NM_028749 .1-408slcl	740 91	Npl	0.312 22836 6	0.451 24444 7	3.476 63491	0.596 33140 1	0.603 60868 8	1.492 21099 8	1.016 40182 6	0.7283 14523	0.5774 51547	0.0234 70873
TRCN 000003 9064	NM_010773 .1-868slcl	171 91	Mbd2	0.246 03377 9	0.450 72693 9	1.684 15808	1.364 21792 9	0.602 91644 2	0.722 85968 4	2.325 20640 8	0.7299 70022	0.4682 12466	1.2173 58789
TRCN 000007 1113	NM_007842 .1-3540slcl	132 11	Dhx9	0.217 32060 9	0.449 76577 9	2.365 83209 9	0.144 76005 6	0.601 63074 3	1.015 44187 7	0.246 73258 1	0.7330 49806	0.0221 07664	2.0189 79862
TRCN 000007 7565	NM_023275 .1-702slcl	808 37	Rhoj	0.287 88551 9	0.448 74254 3	0.507 42269 7	10.66 01767 2	0.600 26200 9	0.217 79155 7	18.16 94659 5	0.7363 35734	2.1989 8007	4.1834 44111
TRCN 000018 3730	NM_145223 .1-6046slcl	236 266	Alms1	0.244 26464 4	0.447 81049 5	1.791 99751 6	1.648 22708 5	0.599 01525 1	0.769 14558 8	2.809 27856	0.7393 3536	0.3786 71389	1.4901 99685
TRCN 000007 7793	NM_007635 .2-2448slcl	124 52	Ccng2	0.311 86528 4	0.445 28470 8	2.323 60357 9	1.248 52025 3	0.595 63662 3	0.997 31691 9	2.128 00845 9	0.7474 95634	0.0038 7607	1.0895 03885
TRCN 000011 1169	NM_015784 .1-1222slcl	507 06	Postn	0.346 86055 9	0.444 61629 1	0.047 45945 2	73.13 12769 4	0.594 74251 4	0.020 37013 3	124.6 46737 3	0.7496 62888	5.6174 00777	6.9617 01309
TRCN 000001 2725	XM_148699 .3-207slcl	129 14	Crebbp	0.032 40334 6	0.444 52852 3	4.922 99673	0.203 12830 9	0.594 62511	2.113 00584	0.346 21685 8	0.7499 47707	1.0792 96754	1.5302 5212
TRCN 000002 7670	XM_132928 .3-1282slcl	149 17	Gucy2c	0.124 24445 3	0.444 52852 3	1 1	0.594 62511	0.429 21130 3	1.704 42446 1	0.7499 47707	1.2202 40027	0.7692 84661	
TRCN 000003 7065	NM_010317 .2-301slcl	147 06	Gng4	0.147 46444 5	0.444 52852 3	1 1	2.207 52209 62511	0.594 62511	0.429 21130 3	3.762 55464 8	0.7499 47707	1.2202 40027	1.9117 12536
TRCN 000005 4733	NM_008138 .2-1776slcl	146 78	Gnai2	0.019 08177 8	0.444 52852 3	16.97 22009 7	7.707 22812 3	0.594 62511	7.284 66048 9	13.13 63881 4	0.7499 47707	2.8648 61735	3.7154 96755
TRCN 000006 6573	NM_016741 .1-2235slcl	207 78	Scarb1	0.051 40111 8	0.444 52852 3	76.65 77940 8	0.013 04498 8	0.594 62511	32.90 23916 6	0.022 23419 7	0.7499 47707	5.0401 20551	5.4910 75917
TRCN 000007 7342	NM_011940 .1-1384slcl	263 88	Ifi202b	0.059 10122 5	0.444 52852 3	1 1	0.594 62511	0.429 21130 3	1.704 42446 1	0.7499 47707	1.2202 40027	0.7692 84661	
TRCN 000010 4555	NM_028799 .1-2322slcl	741 76	Tgm5	0.124 24445 3	0.444 52852 3	1 1	0.594 62511	0.429 21130 3	1.704 42446 1	0.7499 47707	1.2202 40027	0.7692 84661	
TRCN 000011 0540	NM_009497 .2-1494slcl	223 18	Vamp2	0.035 30287 6	0.444 52852 3	1.280 21405 2	0.781 11937 5	0.594 62511	0.549 48234 1	1.331 35896 9	0.7499 47707	0.8638 54978	0.4128 99612
TRCN 000017 6084	NM_009009 .2-1288slcl	193 57	Rad21	0.045 47617 4	0.444 52852 3	1.280 21405 2	3.139 16662 4	0.594 62511	0.549 48234 1	5.350 47238 1	0.7499 47707	0.8638 54978	2.4196 66269
TRCN 000017 7991	NM_001033 264.1- 1501slcl	216 456	Gls2	0.147 46444 5	0.444 52852 3	1 1	1.603 76104 5	0.594 62511	0.429 21130 3	2.733 48955 4	0.7499 47707	1.2202 40027	1.4507 43862
TRCN 000018 1234	NM_181400 .2-781slcl	995 12	Wdr47	0.040 77597 7	0.444 52852 3	1 1	0.594 62511	0.429 21130 3	1.704 42446 1	0.7499 47707	1.2202 40027	0.7692 84661	
TRCN 000018 2065	NM_176978 .2-2440slcl	319 688	593042 2012Ri k	0.107 34217 8	0.444 52852 3	2.961 49836 5	0.337 66690 9	0.594 62511	1.271 10857 1	0.575 52774	0.7499 47707	0.3460 87263	0.7970 42628
TRCN 000019 6054	NM_026168 .1-416slcl	674 56	Ergic2	0.124 24445 3	0.444 52852 3	1 1	0.594 62511	0.429 21130 3	1.704 42446 1	0.7499 47707	1.2202 40027	0.7692 84661	
TRCN 000009 0583	NM_053185 .1-5687slcl	942 16	Col4a6	0.602 86148 8	0.444 49200 9	3.379 41537	0.140 71596 3	0.594 57626 7	1.450 48327 3	0.239 83972 9	0.7500 66217	0.5365 33658	2.0598 57439
TRCN 000017 4795	NM_010700 .1-1864slcl	168 35	Ldlr	0.507 38423 7	0.444 43249 2	0.193 41897 7	26.15 23565 4	0.594 49665 4	0.083 01761 1	44.57 47161 9	0.7502 59405	3.5904 38774	5.4781 53707

TRCN 000006 5814	NM_170786 .1-335slcl	128 03	Cntf	0.210 84950 6	0.442 96324 7	1.016 30848 5	1.331 20415 5	0.592 53131 3	0.436 21108 9	2.268 93692 4	- 0.7550 36698	- 1.1969 01651	- 1.1820 16503
TRCN 000006 6527	XM_133956 .3-344slcl	213 002	Ifitm6	0.589 82250 1	0.441 62339 9	1.800 29318 6	0.736 50499 7	0.590 73906 3	0.772 70618 3	1.255 31713 2	0.7594 07087	0.3720 08152	0.3280 5188
TRCN 000010 6037	NM_028818 .1-932slcl	742 06	261051 1M17Ri k	0.477 71485 6	0.441 44522 6	8.810 24348 2	0.187 34148 6	0.590 50072 6	3.781 45608 2	0.319 30941 1	0.7599 89261	1.9189 41863	1.6469 73019
TRCN 000011 2833	NM_021375 .2-573slcl	581 76	Rhbg	0.064 76829 1	0.438 22079 4	9.770 97312 9	0.370 90239 8	0.586 18755 4	4.193 81210 5	0.632 17511 9	0.7705 65758	2.0682 62226	0.6616 03839
TRCN 000006 5766	NM_008932 .1-302slcl	191 16	Prlr	0.232 04706 7	0.438 01331 6	1.220 85971	0.056 13926 9	0.585 91002 1	0.524 00678 6	0.095 68514 4	0.7712 48971	0.9323 42599	3.3855 61239
TRCN 000011 4349	NM_146094 .1-1318slcl	762 67	Fads1	0.834 34192 2	0.437 74646 2	0.591 95042 7	6.039 69457 5	0.585 55306 3	0.254 07181 4	10.29 42031 7	0.7721 28181	1.9766 9176	3.3637 60256
TRCN 000009 9478	NM_054074 .1-119slcl	116 746	Defb6	0.291 85048 7	0.434 18128 6	0.435 85809 5	4.018 80522 5	0.580 78409 3	0.187 07522 1	6.849 74992 8	0.7839 26155	2.4183 09618	2.7760 51319
TRCN 000002 9016	NM_008976 .1-3272slcl	192 50	Ptpn14	0.498 89323 6	0.433 10527 3	0.255 60865 4	0.109 34476 1	0.579 34476	0.109 71012 3	1.704 42446 1	0.7875 05964	3.1882 31441	0.7692 84661
TRCN 000008 0228	NM_183284 .1-434slcl	699 82	Spink2	0.146 14119 9	0.432 00599	3.214 66774 4	0.559 01249 5	0.577 8743	1.379 77173	0.952 79457	0.7911 72385	0.4644 29607	0.0697 62904
TRCN 000007 1752	NM_015814 .2-735slcl	507 81	Dkk3	0.566 49949 8	0.430 45515 1	3.343 52267 9	0.073 78417 7	0.575 79981 5	1.435 07772 5	0.125 75955 5	0.7963 6077	0.5211 28876	2.9912 60074
TRCN 000010 0470	NM_015774 .2-1719slcl	505 27	Ero11	0.160 41455 8	0.429 72396 3	6.029 97405 9	0.224 28768 4	0.574 82173 9	2.588 13302 1	0.382 28141 6	0.7988 13471	1.3719 11769	1.3872 93029
TRCN 000010 0283	NM_177336 .2-1961slcl	218 878	UNK	0.251 92345	0.429 63935 4	0.962 29494 9	0.051 95607 7	0.574 70856 2	0.413 02786 9	0.088 55520 9	0.7990 97552	1.2756 88966	3.4972 79017
TRCN 000012 0075	NM_007998 .3-1087slcl	141 51	Fech	0.105 56682 6	0.428 53152 7	0.219 32744 3	0.573 22667 1	0.094 13781 3	1.704 42446 7	0.8028 22354	3.4090 81786	0.7692 84661	
TRCN 000002 7730	NM_023223 .1-1352slcl	107 995	Cdc20	0.398 32951 6	0.424 48656 2	0.603 43805 5	4.589 00389 7	0.567 81591 1	0.259 00243 3	7.821 61049 3	0.8165 04819	1.9489 62442	2.9674 65693
TRCN 000011 2923	NM_023063 .1-1054slcl	659 70	Lima1	0.618 15446 1	0.424 21101 1	0.700 03048 8	10.24 58744 6	0.567 44732	0.300 46099 8	17.46 33190 5	0.8174 41631	1.7347 50365	4.1262 55876
TRCN 000002 4888	NM_021463 .2-311slcl	191 39	Prps1	0.046 74220 7	0.423 82825 3	0.381 98470 1	7.037 61044 9	0.566 93532 2	0.163 95215 1	11.99 50753 9	0.8187 43937	2.6086 53265	3.5843 70321
TRCN 000010 1433	NM_021891 .2-1426slcl	605 30	Figl1	0.733 89170 6	0.422 49939 3	1.990 12760 1	0.245 90882 6	0.565 15776 8	0.419 0.854 18526	0.419 13301 8	0.8232 74432	0.2273 79092	1.2545 19917
TRCN 000017 6329	NM_029083 .1-868slcl	747 47	Ddit4	0.517 26102 8	0.422 11656 3	3.916 58253 5	0.238 38208 6	0.564 64567 4	1.681 04149 2	0.406 30425 8	0.8245 82263	0.7493 55334	1.2993 67612
TRCN 000002 3930	XM_125706 .5-2640slcl	110 279	Bcr	0.544 56554 2	0.421 25277 5	1.157 31745 2	2.158 44936 6	0.563 49022 5	0.496 73373 1	3.678 91389 7	0.8275 37512	1.0094 55378	1.8792 79911
TRCN 000007 5840	NM_145153 .2-524slcl	243 262	Oas1f	0.088 03039 8	0.421 13485 9	2.343 75096 4	0.026 32392 6	0.563 33249 5	1.005 96440 5	0.044 86714 3	0.8279 41402	0.0085 79257	4.4781 96872
TRCN 000010 3297	NM_008182 .2-653slcl	148 58	Gsta2	10.71 90288 4	0.421 07589 9	3.375 78997 8	0.205 80990 3	0.563 25362 7	1.448 92721 4	0.350 78743 3	0.8281 43397	0.5349 85124	1.5113 3103
TRCN 000007 1553	NM_021458 .1-522slcl	143 65	Fzd3	0.687 82013 3	0.419 31085 4	2.643 05702 2	1.659 68915 9	0.560 89260 7	1.134 42994 8	2.828 8148	0.8342 03527	0.1819 67524	1.5001 97728
TRCN 000019 4403	NM_199042 .1-823slcl	737 54	Thap1	0.147 56841 6	0.417 19068 2	0.170 83160 7	0.558 1	0.073 05655 2	0.073 32285 7	1.704 42446 1	0.8415 16766	3.7695 93196	0.7692 84661

TRCN000093127	NM_007681.1-226slc1	12615	Cenpa	0.332574536	0.416969098	0.20479322	1	0.557760149	0.087899565	1.704424461	-0.842283234	-3.508000167	0.769284661
TRCN0000108743	NM_009818.1-912slc1	12385	Ctnna1	1.071495826	0.415862064	46.93512841	0.030211773	0.556279322	20.14508766	0.051493686	0.846118616	4.332356174	4.279460658
TRCN0000012857	NM_009773.1-2711slc1	12236	Bub1b	0.282783914	0.415781304	4.198361758	0.535202424	0.556171293	1.801984319	0.912212102	0.846398813	0.849586457	0.132558784
TRCN0000124595	NM_019631.2-578slc1	56277	Tmem45a	1.09339139	0.412950492	2.860309762	0.647371625	0.552384648	1.227677279	1.103396032	0.85625487	0.295931368	0.141950698
TRCN0000054881	NM_019739.2-1793slc1	56458	Foxo1	0.027165506	0.411847186	1	1	0.550908806	0.429211303	1.704424461	0.86011457	1.220240027	0.769284661
TRCN0000077378	NM_022886.1-2632slc1	64929	Scel	0.012835711	0.411847186	64.60858984	0.015477818	0.550908806	27.73073701	0.026380772	0.86011457	4.793414055	5.24436942
TRCN0000088645	NM_028994.1-1553slc1	74551	Pck2	0.159166201	0.411847186	1.280214052	0.781119375	0.550908806	0.549482341	1.331358969	0.86011457	0.863854978	0.412899612
TRCN0000100107	NM_009302.2-689slc1	20947	Swap70	0.075031063	0.411847186	1.280214052	0.781119375	0.550908806	0.549482341	1.331358969	0.86011457	0.863854978	0.412899612
TRCN0000100439	NM_133685.1-584slc1	106572	Rab31	0.036472446	0.411847186	1.603761045	0.550908806	0.429211303	2.733489554	2.733489554	0.86011457	1.220240027	1.450743862
TRCN0000127104	NM_010865.2-1874slc1	17926	Myoc	0.055479954	0.411847186	1.603761045	0.550908806	0.429211303	2.733489554	2.733489554	0.86011457	1.220240027	1.450743862
TRCN0000184217	NM_023118.1-791slc1	13132	Dab2	0.021106399	0.411847186	1	1	0.550908806	0.429211303	1.704424461	0.86011457	1.220240027	0.769284661
TRCN0000198215	NM_177889.2-1146slc1	330502	Zfp82	0.063791088	0.411847186	1.840642156	54.99403189	0.550908806	0.790024418	93.73317315	0.86011457	0.340030851	6.550487818
TRCN0000024732	NM_008704.2-493slc1	18102	Nme1	0.092013157	0.410085813	0.392094117	14.45779342	0.548552699	0.168291227	24.64221676	0.866297868	2.570968128	4.623060138
TRCN0000125999	NM_027890.3-2923slc1	71733	Susd2	0.400981018	0.406596344	3.49860334	0.935709814	0.543885	1.501640097	1.594846695	0.878626458	0.586539079	0.673417751
TRCN0000093361	NM_025664.2-312slc1	66616	Snx9	0.044053631	0.406434727	0.153825327	5.226327314	0.543668813	0.066023569	8.907880114	0.879200024	3.92087506	3.155082142
TRCN0000031262	NM_008607.1-725slc1	17386	Mmp13	0.096001928	0.405292502	1.137574079	0.392851972	0.542140912	0.488259652	0.669586511	0.883260214	1.03427953	0.578657631
TRCN0000097257	XM_284495.2-1467slc1	330938	Dixdc1	0.608895734	0.403846609	0.39003603	4.958972035	0.540206808	0.167407874	8.452193236	0.888416273	2.578560706	3.079325751
TRCN0000109442	NM_021495.1-639slc1	58998	Pvrl3	0.127574214	0.403595387	0.088070051	1	0.53987076	0.037800661	1.704424461	0.889314015	4.725444717	0.769284661
Contro1_1	non_hairpin_18bp		Con trol _1	0.367528887	0.402555232	1.902884255	0.728959378	0.538479393	0.816739435	1.242456195	0.89303696	0.292052216	0.313194988
TRCN0000099163	NM_145595.1-276slc1	234309	Cbr4	0.134023203	0.402236556	0.131483472	15.40101232	0.538053114	0.056434192	26.24986212	0.894179499	4.147286659	4.71423794
TRCN0000097175	NM_027416.1-518slc1	70405	Calm13	0.268597147	0.399343078	19.32291755	0.002851382	0.534182643	8.293614614	0.004859965	0.904594994	3.0520101	7.684838319
TRCN0000114348	NM_146094.1-914slc1	76267	Fads1	0.111515349	0.398727318	4.748381718	0.004485722	0.533358959	2.038059103	0.007645575	0.906821279	1.02719589	7.031159257
TRCN0000079256	NM_023908.1-574slc1	108116	Slco3a1	0.267706542	0.398592405	0.967235008	0.781119375	0.533178504	0.415148198	1.331358969	0.907309478	1.26830166	0.412899612

TRCN 000012 4982	NM_009998 .4-1290s1c1	130 88	Cyp2b1 0	0.038 37549 4	0.398 59240 5	1.390 65301 4	9.071 71831 8	0.533 17850 4	0.596 88399 2	15.46 20586	- 0.9073 09478	- 0.7444 77533	3.9506 60506
TRCN 000008 8933	NM_027712 .2-771s1c1	224 997	Dlgap1	0.302 67490 9	0.395 80535 7	7.402 88325 1	0.119 34864 9	0.529 45039 9	3.177 40116 3	0.203 42075 7	- 0.9174 32562	- 1.6678 47249	- 2.2974 61198
TRCN 000006 6577	NM_016741 .1-1246s1c1	207 78	Scarb1	0.147 89109 5	0.395 36443 1	5.381 85248 5	0.336 01512 5	0.528 86059 3	2.309 95191 6	0.572 71239 8	- 0.9190 40615	- 1.2078 62821	- 0.8041 1726
TRCN 000008 8870	NM_031161 .1-244s1c1	124 24	Cck	0.469 18543 1	0.394 22829 1	2.512 12866 5	0.592 51529 2	0.527 34083 1	1.078 23401 7	1.009 89755 8	- 0.9231 9239	- 0.1086 7033	- 0.0142 08956
TRCN 000003 4357	NM_009025 .1-1521s1c1	194 14	Rasa3	0.158 03980 1	0.390 95360 4	1.457 70102 7	0.416 48094	0.522 96043 4	0.625 66175 7	0.709 86030 2	- 0.9352 26294	- 0.6765 45172	- 0.4943 92959
TRCN 000007 7816	NM_009877 .1-508s1c1	125 78	Cdkn2a	0.096 26831 8	0.390 95360 4	59.80 86094 3	0.022 40809 5	0.522 96043 4	25.67 05311 7	0.038 19290 6	- 0.9352 26294	- 4.6820 41243	- 4.7105 515
TRCN 000011 4171	NM_026438 .2-1024s1c1	678 95	Ppa1	1.209 62959 3	0.390 62712 9	0.398 02414 2	2.023 49889 8	0.522 52372 4	0.170 83646 1	3.448 90101 7	- 0.9364 31553	- 2.5493 12181	- 1.7861 36724
TRCN 000003 1356	NM_028906 .2-2945s1c1	743 88	Dpp8	0.549 50192 7	0.390 36522 8	3.748 25206 1	0.219 08082 8	0.522 17339 2	1.608 79215	0.373 40672 2	- 0.9373 9915	- 0.6859 77947	- 1.4211 80196
TRCN 000007 9557	NM_026228 .2-1602s1c1	675 47	Slc39a8	1.071 93201 7	0.387 54756 7	0.027 81891 3	0.518 40433 7	0.011 94019 2	1.704 42446 1	1.704 42446 1	- 0.9478 50306	- 6.3880 30158	- 0.7692 84661
TRCN 000002 2727	NM_148945 .1-1833s1c1	110 651	Rps6ka 3	0.057 76664 5	0.387 1946	0.255 60865 4	22.13 16365 7	0.517 93219 3	0.109 71012 3	37.72 17027 3	- 0.9491 64868	- 3.1882 31441	- 5.2373 22895
TRCN 000002 8876	NM_053194 .2-1464s1c1	101 489	Ric8	0.298 19413 6	0.386 72307 4	1.121 30135 9	1.911 14467 7	0.517 30145 1	0.481 27521 7	3.257 40173 5	- 0.9509 22856	- 1.0550 6596	- 1.7037 21658
TRCN 000007 7169	NM_009672 .2-310s1c1	117 37	Anp32a	0.212 64593 6	0.386 36612 1	3.068 93427	0.670 07256 7	0.516 82397 2	1.317 22127 6	1.142 08807 3	- 0.9522 55106	- 0.3974 9772	- 0.1916 7391
TRCN 000001 2723	XM_148699 .3-4387s1c1	129 14	Crebbp	1.762 99326 5	0.386 18533 7	0.490 51883	10.65 10224	0.516 58214 5	0.210 53622 6	18.15 38631 1	- 0.9529 30314	- 2.2478 59601	- 4.1822 04678
TRCN 000007 7427	NM_134083 .2-846s1c1	105 670	Rcctb2	0.242 38253 4	0.384 69883 9	0.028 85799 5	0.514 59372 7	0.012 38617 7	1.704 42446 1	1.704 42446 1	- 0.9584 94225	- 6.3351 25172	- 0.7692 84661
TRCN 000001 2267	NM_009807 .1-697s1c1	123 62	Casp1	0.034 69624 9	0.383 64215 9	1 1	1 1	0.513 18025 5	0.429 21130 3	1.704 42446 1	- 0.9624 62433	- 1.2202 40027	- 0.7692 84661
TRCN 000003 0941	NM_174874 .1-501s1c1	666 15	Atg4b	0.055 91621 9	0.383 64215 9	2.961 49836 5	0.337 66690 9	0.513 18025 5	1.271 10857 1	0.575 52774	- 0.9624 62433	- 0.3460 87263	- 0.7970 42628
TRCN 000006 9045	XM_357391 .1-86s1c1	384 054	UNK	0.004 36717 9	0.383 64215 9	3.241 71241 7	0.308 47893 7	0.513 18025 5	1.391 37960 9	0.525 77904 6	- 0.9624 62433	- 0.4765 16083	- 0.9274 71449
TRCN 000008 6154	NM_144849 .1-860s1c1	223 690	C73004 8E16Ri k	0.059 55879	0.383 64215 9	1.560 42810 4	1.027 76990 5	0.513 18025 5	0.669 75337 9	1.751 75616 7	- 0.9624 62433	- 0.5782 98139	- 0.8088 01975
TRCN 000009 0543	NM_134471 .2-2314s1c1	738 04	Kif2c	0.049 82205 8	0.383 64215 9	1.840 64215 6	0.543 28865 4	0.513 18025 5	0.790 02441 8	0.925 99447 1	- 0.9624 62433	- 0.3400 30851	- 0.1109 24515
TRCN 000009 8231	NM_008775 .3-366s1c1	184 75	Pafah1b 2	0.022 11017 3	0.383 64215 9	2.120 85620 9	0.471 50768 4	0.513 18025 5	0.910 29545 6	0.803 64923 1	- 0.9624 62433	- 0.1355 93216	- 0.3153 6215
TRCN 000012 6380	NM_009149 .1-1627s1c1	203 40	Glg1	0.040 90565 9	0.383 64215 9	1 1	1 1	0.513 18025 5	0.429 21130 3	1.704 42446 1	- 0.9624 62433	- 1.2202 40027	- 0.7692 84661
TRCN 000018 3874	NM_013655 .2-319s1c1	203 15	Cxcl12	0.022 65812 2	0.383 64215 9	7.444 92319 9	1.512 96896 7	0.513 18025 5	3.195 44518 5	2.578 74131 6	- 0.9624 62433	- 1.6760 16939	- 1.3666 67058
TRCN 000007 1888	NM_173761 .3-2561s1c1	228 994	Ythdf1	0.281 81533 1	0.383 47347 4	12.82 44262 1	0.090 78722 8	0.512 95461 3	5.504 38868	0.154 73997 2	- 0.9630 96914	- 2.4605 82346	- 2.6920 82174

TRCN 000001 1894	NM_010634 .1-166slc1	165 92	Fabp5	0.098 54094	0.382 49597 2	0.680 12522 1	0.640 84977 5	0.511 64705 4	0.291 91743 2	1.092 28003 3	- 0.9667 79146	- 1.7763 6773	0.1273 42774
TRCN 000012 5851	NM_026139 .2-1118slc1	674 16	Armcx2	0.298 65521 8	0.382 10427 4	3.885 20248 2	0.983 35308 1	0.511 12309 8	1.667 57281 8	1.676 05104 5	- 0.9682 57305	- 0.7377 49761	0.7450 66087
TRCN 000018 9897	NM_027122 .2-1190slc1	695 72	Mfsd3	0.555 63633 8	0.381 88516 1	3.359 16393 7	2.998 70043 8	0.510 83	1.441 79112 9	5.111 05837 7	- 0.9690 8484	- 0.5278 62178	2.3536 2207
TRCN 000017 4374	NM_028975 .2-625slc1	678 78	Tmem3 3	0.077 1705	0.380 52135 6	0.516 35789 7	1.100 27629 5	0.509 00570 2	0.221 62664 6	1.875 33783	- 0.9742 46278	- 2.1737 96752	0.9071 50511
TRCN 000005 4615	NM_009689 .1-324slc1	117 99	Birc5	0.703 16101	0.379 36051 2	4.630 21748 5	0.324 19063	0.507 45289 5	1.987 34167 8	0.552 55844	- 0.9786 54186	- 0.9908 39933	0.8558 01038
TRCN 000004 1282	NM_011723 .1-3588slc1	224 36	Xdh	0.099 37356 2	0.378 25803 7	2.449 19803 1	0.867 22163 3	0.505 97816 6	1.051 22347 7	1.478 11376 3	- 0.9828 52965	- 0.0720 69401	0.5637 57311
TRCN 000007 7219	NM_019743 .2-236slc1	563 53	Rybp	0.131 25555 9	0.378 25803 7	0.755 52600 5	43.26 32731 4	0.505 97816 6	0.324 28030 1	73.73 8981	- 0.9828 52965	- 1.6246 86709	6.2043 55575
TRCN 000012 6044	NM_178057 .2-1304slc1	153 64	Hmga2	1.046 72277	0.377 72673 3	5.524 09924 8	0.321 11773	0.505 26746 5	2.371 00583 4	0.547 32091 3	- 0.9848 80808	- 1.2454 99213	0.8695 41112
TRCN 000010 8684	NM_145575 .1-826slc1	109 624	Cald1	0.771 15913 8	0.375 63597 2	5.284 20323 8	0.191 61508 2	0.502 47075 2	2.268 03975 5	0.326 59343 3	- 0.9928 88473	- 1.1814 45929	1.6144 32315
TRCN 000011 4408	NM_178396 .3-288slc1	764 59	Car12	0.211 47517 5	0.373 98019 8	0.255 60865 4	1.302 40508 1	0.500 25589 9	0.109 71012 3	1.704 42446 1	- 0.9992 6182	- 3.1882 31441	0.7692 84661
TRCN 000010 5601	NM_013593 .2-477slc1	171 89	Mb	0.239 88632 9	0.373 54506 5	0.014 00758 8	35.64 10568 9	0.499 67384 2	0.006 01221 5	60.74 74891 6	- 1.0009 41399	- 7.3778 87616	5.9247 52875
TRCN 000019 2524	NM_172943 .2-1233slc1	268 420	Alkbh5	0.166 62262 9	0.373 48285 8	0.093 39304 6	20.32 03534 4	0.499 59063 1	0.040 08535 1	34.63 45074 5	- 1.0011 81672	- 4.6407 81091	5.1141 38252
TRCN 000006 5372	NM_019568 .1-499slc1	572 66	Cxcl14	0.441 89100 5	0.371 95544 9	1.129 79192 5	1.302 40508 1	0.497 54748 7	0.484 91946 4	2.219 85107 8	- 1.0070 93868	- 1.0441 82932	1.1504 62895
TRCN 000009 5248	NM_008328 .1-946slc1	159 50	Ifi203	0.201 28189 2	0.370 27629 5	3.812 27205 4	0.141 15536 6	0.495 30136 1	1.636 27025 4	0.240 58865 9	- 1.0136 21509	- 0.7104 11051	2.0553 59455
TRCN 000003 9178	NM_029669 .2-810slc1	765 94	Dnajc1 8	0.203 82859 1	0.369 80530 5	3.432 09128 7	1.175 68049 2	0.494 67134	1.473 09237 2	2.003 85858 9	- 1.0154 5778	- 0.5588 47899	1.0027 80702
TRCN 000007 7144	NM_007868 .1-10007slc1	134 05	Dmd	0.867 92340 9	0.369 61867 2	13.02 71940 6	0.239 16382 3	0.494 42169 3	5.591 41893 1	0.407 63666 9	- 1.0161 8606	- 2.4832 14441	1.2946 44258
TRCN 000006 8826	NM_010291 .2-495slc1	146 22	Gjb5	0.098 50421 3	0.369 44468 6	1.768 90486 4	0.192 18902 7	0.494 18895 7	0.759 23395 9	0.327 57167 3	- 1.0168 65322	- 0.3973 83571	1.6101 17491
TRCN 000008 7892	NM_133718 .2-959slc1	699 81	Tmem3 0a	0.247 68306 8	0.369 21240 6	4.690 17742 3	0.010 23688 3	0.493 87824 6	2.013 07716 1	0.017 44799 4	- 1.0177 7267	- 1.0094 02472	5.8407 94988
TRCN 000018 3752	NM_023118 .1-2248slc1	131 32	Dab2	0.153 81870 4	0.366 52514 2	0.734 54368 7	3.326 14642 8	0.490 28361 8	0.315 27445 3	5.669 16533 1	- 1.0283 11537	- 1.6653 19824	2.5031 36343
TRCN 000017 5560	NM_028975 .2-552slc1	678 78	Tmem3 3	0.402 71889 5	0.364 36481 6	1.491 51393 6	0.639 17320 4	0.487 39385 1	0.640 17463 9	1.089 42244 4	- 1.0368 40045	- 0.6434 62569	0.1235 63494
TRCN 000010 1537	NM_011060 .1-529slc1	186 01	Padi3	0.720 16633 1	0.363 25178 9	3.767 76096 3	0.648 03597 7	0.485 90500 7	1.617 16559 1	1.104 52837 1	- 1.0412 53798	- 0.6934 67412	0.1434 30476
TRCN 000001 2759	NM_008279 .1-1149slc1	264 11	Map4k1	0.394 65188	0.362 8337	56415 6	0.793 51745 6	0.485 34574 9	0.350 90777 6	1.352 49056 2	- 1.0429 1524	- 1.5108 36176	0.4356 18527
TRCN 000012 3796	NM_172429 .1-841slc1	764 79	Smndc1	0.323 47100 3	0.361 63128 7	1.284 23175 9	0.105 01609 6	0.483 73733 6	0.551 20678 6	0.178 99200 4	- 1.0477 04201	- 0.8593 34445	- 2.4820 32958

TRCN 000008 0509	NM_011459 .2-696slcl	207 25	Serpinc 8	0.205 83487 6	0.361 19647 8	8.195 72080 4	0.046 60782 3	0.483 15571 3	3.517 69600 2	0.079 43951 3	- 1.0494 39875	- 1.8146 30811	- 3.6539 99415
TRCN 000011 0202	NM_177828 .2-771slcl	328 967	493342 9F08Ri k	0.016 89507 3	0.359 89769 6	0.755 52600 5	0.481 41839 3	0.324 28030 1	1.704 42446 1	- 1.0546 36834	- 1.6246 86709	- 0.7692 84661	
TRCN 000007 6418	NM_130452 .1-1402slcl	170 442	Bbox1	0.285 34942 3	0.359 45970 9	1.257 61107 7	0.974 81346 1	0.480 83251 8	0.539 78088 8	1.661 49590 7	- 1.0563 93628	- 0.8895 54198	0.7324 82739
TRCN 000006 9092	XM_355081 .1-2125slcl	106 931	Kctd1	0.116 98172 2	0.359 05271 9	1.560 42810 4	0.640 84977 5	0.480 28810 6	0.669 75337 9	1.092 28003 3	- 1.0580 28013	- 0.5782 98139	0.1273 42774
TRCN 000009 2708	XM_357228 .2-93slcl	383 761	UNK	0.182 56971 3	0.359 05271 9	1.603 76104 1	0.480 28810 5	0.429 21130 6	2.733 48955 3	2.733 48955 4	- 1.0580 28013	- 1.2202 40027	1.4507 43862
TRCN 000011 5403	NM_026568 .1-785slcl	681 26	Fahd2a	0.116 98172 2	0.359 05271 9	1.603 76104 1	0.480 28810 5	0.429 21130 6	2.733 48955 3	2.733 48955 4	- 1.0580 28013	- 1.2202 40027	1.4507 43862
TRCN 000017 6203	NM_133662 .1-647slcl	159 37	Ier3	0.079 09521 7	0.359 05271 9	1.603 76104 1	0.480 28810 1	0.429 21130 6	1.704 42446 3	1.704 42446 1	- 1.0580 28013	- 1.2202 40027	0.7692 84661
TRCN 000001 2749	NM_011641 .1-970slcl	220 61	Trp63	0.070 81383 7	0.357 58904 7	10.73 94469 1	0.512 19537 7	0.478 33022 8	4.609 49199 8	0.872 99832 9	- 1.0639 21153	- 2.2046 07763	- 0.1959 49202
TRCN 000010 3221	NM_010360 .1-507slcl	148 66	Gstm5	0.509 50039 8	0.357 54000 6	1.278 36389 9	0.829 54674 2	0.478 26462 1	0.548 68823 4	1.413 89975 9	- 1.0641 19022	- 0.8659 41455	0.4996 79841
TRCN 000004 1418	NM_019826 .2-1269slcl	563 57	Ivd	0.445 97040 7	0.356 27545 2	1.096 07860 5	2.426 11781 4	0.476 57308 5	0.470 44932 6	4.135 13454 7	- 1.0692 30619	- 1.0878 88763	2.0479 34272
TRCN 000008 5436	NM_172790 .1-2575slcl	237 615	Ankrd5 2	0.450 34212 8	0.355 907	1.859 01313 8	0.071 99503 7	0.476 08022 4	0.797 90945 1	0.122 71010 1	- 1.0707 23394	- 0.3257 03061	- 3.0266 74079
TRCN 000007 6920	NM_013829 .1-704slcl	187 98	Plcb4	0.564 32319 3	0.354 05004	3.792 65285 6	0.313 68403	0.473 59625 5	1.627 84947 3	0.534 65073 4	- 1.0782 70421	- 0.7029 673	0.9033 31352
TRCN 000002 8904	NM_010195 .1-2671slcl	141 60	Lgr5	0.100 36195 4	0.353 98714 1	10.74 55568 1	0.473 55228 8	0.207 51211 3	18.31 54756 2	18.31 49319	- 1.0785 26747	- 2.2684 861	4.1949 48433
TRCN 000003 9048	NM_008234 .2-1010slcl	152 01	Hells	0.550 06477 4	0.353 34962 9	2.193 82532	0.425 52141	0.472 65934 8	0.941 61462 3	0.725 2691	- 1.0811 27305	- 0.0867 91369	0.4634 1171
TRCN 000000 9601	NM_009263 .1-1178slcl	207 50	Spp1	0.108 84312 5	0.352 48237 6	1.394 34674 7	5.915 71682 8	0.471 49926 4	0.598 46938 4	10.08 28924 6	- 1.0846 72574	- 0.7406 50651	3.3338 37657
TRCN 000008 9339	NM_139299 .1-976slcl	218 624	Ii31ra	1.404 43920 2	0.349 50565 8	4.596 55228 2	0.021 96481 3	0.467 51744 7	1.972 89219 3	0.037 43736 4	- 1.0969 0789	- 0.9803 12123	- 4.7393 77336
TRCN 000002 3088	NM_009874 .1-812slcl	125 72	Cdk7	0.292 09251 6	0.347 42964 2	4.244 45461 8	0.429 60540 3	0.464 74045 7	1.821 76789 6	0.732 22995 7	- 1.1055 02852	- 0.8653 39163	0.4496 31297
TRCN 000007 1950	NM_011594 .2-389slcl	218 58	Timp2	0.503 95341 7	0.345 59290 5	3.229 45633 6	0.038 13989 5	0.462 28353 9	1.386 11916	0.065 00657	- 1.1131 50101	- 0.4710 51288	3.9432 7066
TRCN 000019 2624	NM_026412 .1-247slcl	519 44	D2Ert d 750e	0.438 74362 7	0.344 35744 8	7.945 79666 9	0.291 73927 9	0.460 63092 7	3.410 42573 9	0.497 24756 3	- 1.1183 16819	- 1.7699 51849	- 1.0079 63794
TRCN 000008 9049	NM_009704 .2-459slcl	118 39	Areg	0.790 44082 5	0.343 70873 8	1.712 04641 4	0.647 28665 6	0.459 76317 7	0.734 82967 2	1.103 25120 9	- 1.1210 37172	- 0.4445 18213	- 0.1417 61328
TRCN 000009 6643	NM_021878 .2-1430slcl	164 68	Jarid2	0.184 00355 8	0.343 23723 7	28.48 94054 3	0.026 51954 3	0.459 13247 2	12.22 79748 2	0.045 20055 7	- 1.1230 17626	- 3.6121 13581	- 4.4675 15629
TRCN 000012 3974	NM_021314 .3-3559slcl	577 52	Tacc2	0.082 72186 3	0.343 23723 7	0.755 52600 5	7.037 61044 9	0.459 13247 2	0.324 28030 1	11.99 50753 9	- 1.1230 17626	- 1.6246 86709	- 3.5843 70321
TRCN 000011 4430	NM_019513 .1-772slcl	560 78	Car5b	0.369 10340 9	0.341 97402 9	4.099 13351 1	0.781 21283 3	0.457 44273 7	1.759 39443 4	1.331 51826 2	- 1.1283 36937	- 0.8150 78953	- 0.4130 72216

TRCN 000002 5474	NM_138671 .1-439slcl	192 185	Nadk	0.113 31179 8	0.341 95944 8	0.625 53698 1	0.402 58089 7	0.457 42323 3	0.268 48754 3	0.686 16872 9	- 1.1283 98452	- 1.8970 72944	- 0.5433 64717
TRCN 000004 1495	NM_010274 .2-126slcl	145 71	Gpd2	0.339 61108 3	0.340 23167 5	0.958 48368 8	3.982 20217 3	0.455 11207 2	0.411 39203 2	6.787 36279 1	1.1357 06241	1.2814 14242	2.7628 51129
TRCN 000006 6340	NM_007910 .1-462slcl	136 39	Efna4	0.534 02238 8	0.339 26764 4	5.314 39229 4	0.205 86721 2	0.453 82253 2	2.280 99724 2	0.350 88510 8	1.1397 99854	1.1896 64701	1.5109 29376
TRCN 000017 6516	NM_175465 .2-2504slcl	228 071	Sestd1	2.312 22162 6	0.338 80275 6	1.206 44458 2	1.259 82221 3	0.453 20067 3	0.517 81965 1	2.147 27179 6	1.1417 7809	0.9494 7838	1.1025 04815
TRCN 000012 5675	NM_133706 .1-459slcl	690 71	Tmem9 7	0.613 37192 2	0.338 19504 9	1.498 25693 2	0.995 12009 2	0.452 38777 2	0.643 06881 2	1.696 10702 2	1.1443 6816	0.6369 54978	0.7622 27205
TRCN 000001 2851	NM_009772 .1-1453slcl	122 35	Bub1	0.141 41390 3	0.337 42552 2			0.451 35841 1	0.429 21130 3	1.704 42446 1	- 1.1476 54602	- 1.2202 40027	0.7692 84661
TRCN 000002 2928	XM_205338 .2-386slcl	237 188	Prkaca- ps1	0.091 57971 2	0.337 42552 2	1 1	1	0.451 35841 1	0.429 21130 3	1.704 42446 1	- 1.1476 54602	- 1.2202 40027	0.7692 84661
TRCN 000007 5455	NM_007792 .2-249slcl	130 08	Csrp2	0.072 43513 3	0.337 42552 2	24.53 79803 8	0.040 75315 1	0.451 35841 1	10.53 19785 2	0.069 46066 6	1.1476 54602	3.3967 0458	3.8476 59945
TRCN 000019 3012	NM_023463 .2-341slcl	684 68	Ly6g6c	0.020 64514 7	0.337 42552 2	1 1	1	0.451 35841 1	0.429 21130 3	1.704 42446 1	- 1.1476 54602	- 1.2202 40027	0.7692 84661
TRCN 000008 5470	NM_019426 .2-2626slcl	543 43	Atf7ip	0.646 21722 1	0.335 09065 9	0.889 64468 2	1.382 55056 3	0.448 23517 3	0.381 84555 3	2.356 45299 7	- 1.1576 72232	- 1.3889 38873	1.2366 16905
TRCN 000006 8373	NM_013885 .1-391slcl	298 76	Clic4	1.719 17935 8	0.333 71504 5	2.916 61384 4	0.559 52314 3	0.446 39507 9	1.251 84362 8	0.953 66493 2	1.1636 06971	0.3240 54361	0.0684 45628
TRCN 000000 9692	NM_009754 .1-35slcl	121 25	Bcl2l11	0.380 58309 4	0.332 95230 9	1.046 52591 4	39.64 34559 3	0.445 37480 3	0.449 18074 9	67.56 92759 5	1.1669 08154	1.1546 31997	6.0782 95491
TRCN 000007 1639	NM_019410 .2-187slcl	186 45	Pfn2	0.991 57620 6	0.332 05377 1	1.556 67953 8	1.122 82661 5	0.444 17287 2	0.668 14445 2	1.913 77314 8	1.1708 0682	0.5817 68049	0.9364 19828
TRCN 000002 6708	NM_144847 .1-909slcl	223 649	Nrbp2	0.102 10573	0.328 80356	12.15 61076	0.031 42327 4	0.439 82521 5	5.217 53877 6	0.053 55859 7	1.1849 9778	2.3833 69417	4.2227 38021
TRCN 000010 4558	NM_028799 .1-1958slcl	741 76	Tgm5	0.705 66815 8	0.328 57816 8	5.222 41489 7	0.133 29062 9	0.439 52371 8	2.241 51950 1	0.227 18380 9	1.1859 87077	1.1644 77051	2.1380 68075
TRCN 000009 5998	NM_019797 .2-2330slcl	564 04	Trip4	0.026 03787 3	0.328 05103 3	0.967 23500 8	123.3 99576 4	0.438 81859 8	0.415 14819 8	210.3 25256 4	1.1883 0345	1.2683 0166	7.7164 78293
TRCN 000010 9650	NM_011821 .1-2244slcl	238 88	Gpc6	0.225 30939 6	0.327 31676 5	2.576 28108 6	0.620 83513 7	0.437 83639 7	1.105 76896 1	1.058 16659 3	1.1915 36204	0.1450 49981	0.0815 66777
TRCN 000008 1788	NM_007914 .1-935slcl	136 61	Ehf	1.050 40743 6	0.327 29780 4	1.848 08319 3	0.554 67615 5	0.437 81103 5	0.793 21819 5	0.945 40360 6	1.1916 19776	0.3342 10324	0.0809 97727
TRCN 000011 3559	NM_021339 .1-2904slcl	578 10	Cdon	0.168 04150 3	0.325 14738 5	0.849 89407 6	3.177 50739 6	0.434 93451 9	0.364 78414 3	5.415 82133	1.2011 29879	1.4548 85076	2.4371 80145
TRCN 000002 3592	NM_008587 .1-2092slcl	172 89	Mertk	0.174 65242 1	0.324 32520 7	0.217 36049 6	17.81 57500 7	0.433 83473 2	29358 56002	30.36 56002	1.2047 82544	3.4220 78358	4.9243 65981
TRCN 000005 4956	NM_009721 .2-1066slcl	119 31	Atp1b1	0.665 81141 9	0.321 79171 1	0.114 07778 9	8.245 13253 9	0.430 44579 1	0.048 96347 6	14.05 32055 8	1.2160 96534	4.3521 50197	3.8128 27346
TRCN 000017 5432	NM_026521 .3-1388slcl	680 36	Zfp706	0.138 94392 1	0.321 29110 4	0.649 49857 5	5.199 32447 6	0.429 77615 2	0.278 77213 7	8.861 85581 7	1.2183 42664	1.8428 4176	3.1476 08854
TRCN 000004 2347	NM_013711 .1-1373slcl	264 62	Txnrd2	0.268 54896 7	0.320 96620 5	4.635 91926 5	0.504 80845 9	0.429 34155 3	1.989 78894 7	0.860 40788 5	1.2198 02288	0.9926 15415	0.2169 07348

TRCN 000002 7019	NM_152804 .1-851s1c1	206 20			0.143 49939	0.319 54858 2	0.262 17915 8	1.252 72882 5	0.427 44526 1	0.112 53025 8	2.135 18165 1	- 1.2261 88416	- 3.1516 15118	1.0943 58813
TRCN 000002 5683	NM_153533 .1-3690s1c1	209 039			0.784 55435	0.319 40480 1	1.482 99990 8	0.475 30884 9	0.427 25293 2	0.636 52032 3	0.810 12802 9	1.2268 37702	0.6517 21518	0.3037 78171
TRCN 000008 1037	XM_354809 .1-126s1c1	723 91			0.027 31329 3	0.318 25569 4	43.03 21078 2	0.107 42133 6	0.425 71582 6	18.46 98670 6	0.183 09154 3	- 1.2320 37372	4.2071 01577	2.4493 6294
TRCN 000009 0656	NM_053252 .1-2239s1c1	114 601			0.013 38314 3	0.318 25569 4	3.802 14052 2	0.263 00974 3	0.425 71582 6	1.631 92168 6	0.448 28023 9	- 1.2320 37372	0.7065 71826	1.1575 27191
TRCN 000009 0673	XM_126660 .1-1605s1c1	757 06			0.173 54034 5	0.318 25569 4	1.560 42810 4	0.640 84977 5	0.425 71582 6	0.669 75337 9	1.092 28003 3	- 1.2320 37372	0.5782 98139	0.1273 42774
TRCN 000012 5775	NM_026859 .2-471s1c1	688 77			0.034 06758 2	0.318 25569 4			0.425 71582 6	0.429 21130 3	1.704 42446 1	- 1.2320 37372	1.2202 40027	0.7692 84661
TRCN 000007 0983	NM_011623 .1-1823s1c1	219 73			1.158 77701 4	0.312 03644 1	6.875 37683 3	0.357 69083 4	0.417 39662 1	2.950 98944 7	0.609 65700 7	- 1.2605 09175	1.5611 98761	0.7139 30285
TRCN 000012 0042	NM_024433 .1-2179s1c1	669 02			0.095 78285 8	0.311 71135 7	10.30 39028 8	0.058 91987 7	0.416 96177 1	4.422 55158 1	0.100 42448 1	- 1.2620 12979	2.1448 78969	3.3158 17101
TRCN 000011 2349	NM_008409 .2-763s1c1	164 31			0.251 59683 4	0.311 44551 7	12.58 54161 1	0.002 95527 7	0.416 60616 9	5.401 80284 3	0.005 03704 7	- 1.2632 43893	2.4334 40985	7.6332 06103
TRCN 000007 5722	NM_007494 .2-206s1c1	118 98			1.165 51722 9	0.311 03130 8	0.180 82736 3		0.416 05210 1	0.077 61314 8	1.704 42446 1	- 1.2651 63891	3.6875 5512	0.7692 84661
TRCN 000010 1749	NM_133995 .1-1080s1c1	103 149			0.054 73202 5	0.310 01247 5	4.918 92071 1	0.148 91340 7	0.414 68925 5	2.111 25636 6	0.253 81165 4	- 1.2698 97428	1.0781 01773	1.9781 69781
TRCN 000002 4584	NM_008846 .1-1137s1c1	187 19			0.242 34778 8	0.309 47960 5	1.098 66755 6	1.518 24402 9	0.413 97646 3	0.471 56053 3	2.587 73226 3	- 1.2723 79361	1.0844 85117	1.3716 88356
TRCN 000010 1421	NM_053156 .1-485s1c1	940 41			0.082 55149 2	0.307 28703 7	1.028 92108 2	3.883 86660 4	0.411 04356 3	0.441 62455 8	6.619 75724 2	- 1.2826 36792	1.1791 07695	2.7267 78312
TRCN 000019 0942	NM_019708 .1-301s1c1	563 67			0.549 04233 3	0.306 90072 2	0.093 99746 3	37.56 66564 7	0.410 52680 8	0.040 34477 4	64.02 95281 9	- 1.2844 51658	4.6314 74395	6.0006 65474
TRCN 000004 1497	NM_010274 .2-1891s1c1	145 71			0.542 01495 7	0.305 28332 4	0.606 49478 7	7.269 25119 4	0.408 36328 9	0.260 31441 7	12.38 98895 5	- 1.2920 74917	1.9416 72877	3.6310 91421
TRCN 000012 0982	NM_027530 .2-2487s1c1	528 22			0.219 86121 3	0.304 92902 5	2.041 21387 5	0.021 29693 9	0.407 88935 3	0.876 11206 6	0.036 29902 4	- 1.2937 50244	0.1908 12674	4.7839 25437
TRCN 000019 2164	NM_016903 .2-797s1c1	138 85			1.631 18086 5	0.302 79045 6	2.985 86993 6	0.278 57339 6	0.405 02869 6	1.281 56912 2	0.474 80731 2	- 1.3039 03971	0.3579 11293	1.0745 85947
TRCN 000010 1141	NM_008529 .2-401s1c1	170 69			0.347 82355 2	0.302 00548 4	1.651 42790 4	0.147 06320 9	0.403 97867 6	0.708 81152 2	0.250 65813 2	- 1.3076 48953	0.4965 2604	1.9962 07066
TRCN 000006 7774	NM_022415 .2-298s1c1	642 92			0.345 07733 7	0.301 89977 6	0.342 24470 6	0.640 84977 5	0.403 83726 7	0.146 89529 6	1.092 28003 3	- 1.3081 54044	2.7671 39898	0.1273 42774
TRCN 000007 9037	NM_010279 .2-355s1c1	145 85			0.094 11466 3	0.301 62150 7	1.502 73148 7	0.337 66690 9	0.403 46504 8	0.644 98933 9	0.575 52774 9	- 1.3094 84397	0.6326 52781	0.7970 42628
TRCN 000006 6682	NM_010818 .2-703s1c1	174 70			0.094 15296 1	0.301 52534 7	0.607 10469 4		0.403 33641 8	0.260 57619 7	1.704 42446 1	- 1.3099 44419	1.9402 22793	0.7692 84661
TRCN 000007 0637	NM_013601 .1-777s1c1	177 02			0.287 88551 9	0.301 38228 2	1.178 94401 1	3.736 21081 5	0.403 14504 8	0.506 01609 5	6.368 08910 3	- 1.3106 29095	0.9827 44822	2.6708 60522
TRCN 000010 8851	NM_016798 .2-516s1c1	533 18			0.013 12649 8	0.301 38228 2	0.755 52600 5		0.403 14504 8	0.324 28030 1	1.704 42446 1	- 1.3106 29095	1.6246 86709	0.7692 84661

TRCN 000003 0565	NM_019861 .1-554s1c1	564 64	Ctsf	0.183 39952 4	0.301 14692 8	8.285 56535 6	4.711 44021 6	0.402 83022 5	3.556 2583	8.030 29394 9	- 1.3117 56161	- 1.8303 60114	- 3.0054 52799
TRCN 000008 1863	NM_013744 .2-2118s1c1	272 74	Zfp354 b	0.041 08268 8	0.301 14692 8	1	1	0.402 83022 5	0.429 21130 3	1.704 42446 1	- 1.3117 56161	- 1.2202 40027	- 0.7692 84661
TRCN 000019 3452	NM_022979 .1-2589s1c1	269 966	Nup98	0.041 08268 8	0.301 14692 8	36.30 69705 7	0.143 94831 7	0.402 83022 5	15.58 33621 3	0.245 34903 3	- 1.3117 56161	- 3.9619 34626	- 2.0270 92511
TRCN 000011 0728	NM_013470 .1-876s1c1	117 45	Anxa3	0.444 62340 7	0.297 84720 3	1.342 84627 5	1.882 74486 7	0.398 41633 7	0.576 36479 9	3.208 99640 5	- 1.3276 51288	- 0.7949 45869	- 1.6821 22173
TRCN 000008 0041	NM_011593 .1-470s1c1	218 57	Timp1	0.803 96194 7	0.295 07831 6	1.540 07599 8	0.707 52343 2	0.394 71252 5	0.661 01802 5	1.205 92024 4	- 1.3411 25794	- 0.5972 38482	- 0.2701 34495
TRCN 000003 0749	NM_016808 .1-286s1c1	533 76	Usp2	0.143 99190 7	0.293 60006 5	0.507 42269 7		0.392 73513 8	0.217 79155 7	1.704 42446 1	- 1.3483 71411	- 2.1989 8007	- 0.7692 84661
TRCN 000010 1434	NM_021891 .2-1335s1c1	605 30	Fign1	0.144 96753 3	0.293 28448	1.674 08819 6	0.417 88531 4	0.392 31299 5	0.718 53757 5	0.712 25395	- 1.3499 22972	- 0.4768 64492	- 0.4895 36377
TRCN 000006 6496	NM_010111 .2-1029s1c1	136 42	Efnb2	0.577 46351	0.292 16467 1	1.399 20635 3	0.021 42479 6	0.390 81507 9	0.600 55518 2	0.036 51694 6	- 1.3554 41964	- 0.7356 31282	- 4.7752 90071
TRCN 000004 2344	NM_013711 .1-1462s1c1	264 62	Txnrd2	0.652 72223 6	0.291 89476 6	5.232 75483 6	0.039 31712 4	0.390 45403 9	2.245 95752	0.067 01306 8	- 1.3567 75359	- 1.1673 30641	- 3.8994 13725
TRCN 000008 0231	NM_183284 .1-253s1c1	699 82	Spink2	0.071 72096 6	0.289 61041 4	0.755 52600 5	1	0.387 39836 7	0.324 28030 1	1.704 42446 1	- 1.3681 10221	- 1.6246 86709	- 0.7692 84661
TRCN 000004 2525	NM_008709 .2-493s1c1	181 09	Mycn	0.206 01112 2	0.289 33196 6	0.161 88305 3	5.226 32731 4	0.387 02590 1	0.069 48203 6	8.907 88011 4	- 1.3694 97975	- 3.8472 16159	- 3.1550 82142
TRCN 000018 3022	NM_023118 .1-2794s1c1	131 32	Dab2	0.493 43980 5	0.287 85683 8	0.024 12682 2	39.03 69458 3	0.385 05269	0.010 35550 5	66.53 55253 4	- 1.3768 72218	- 6.5934 58337	- 6.0560 5294
TRCN 000010 5184	NM_133774 .2-435s1c1	170 459	Stard4	0.765 83333 4	0.287 65227 6	0.671 07354 6	0.229 22275 5	0.384 77905 7	0.288 03235 1	0.390 69287 1	- 1.3778 97816	- 1.7956 97234	- 1.3558 93165
TRCN 000010 9440	NM_021495 .1-2003s1c1	589 98	Pvrl3	0.366 39646 3	0.286 75490 8	1.395 74305 8	5.228 83961 7	0.383 57869	0.599 06869 6	8.912 16214 4	- 1.3824 05521	- 0.7392 06646	- 3.1557 75481
TRCN 000006 6574	NM_016741 .1-786s1c1	207 78	Scarb1	0.060 30923 5	0.285 78378 3	1.603 76104 5	0.382 27966 2	0.429 21130 3	2.733 48955 4	2.733 48955 4	- 1.3872 99647	- 1.2202 40027	- 1.4507 43862
TRCN 000012 0815	NM_028109 .2-1439s1c1	721 19	Tpx2	0.131 25555 9	0.285 78378 3	6.884 49509 5	3.127 00862 3	0.382 27966 2	2.954 90310 8	5.329 74998 6	- 1.3872 99647	- 1.5631 10825	- 2.4140 67859
TRCN 000019 8217	NM_001033 264.1- 2135s1c1	216 456	Gls2	0.469 18543 1	0.283 02794 1	20.85 12974 1	0.275 22273 5	0.378 5933	8.949 61252 2	0.469 09635 3	- 1.4012 79214	- 3.1618 25222	- 1.0920 43809
TRCN 000017 4919	NM_028975 .2-553s1c1	678 78	Tmem3 3	0.341 96007 3	0.280 93382 7	1.819 48693 3	1.131 64622 9	0.375 79210 2	0.780 94435 7	1.928 80551 4	- 1.4119 9335	- 0.3567 08337	- 0.9477 0768
TRCN 000002 9892	NM_008977 .1-758s1c1	192 55	Ptpn2	0.555 21645 8	0.280 23286 4	0.065 62725 4	10.66 01767 2	0.374 85445	0.028 16795 9	18.16 94659 5	- 1.4155 97565	- 5.1498 01148	- 4.1834 44111
TRCN 000009 0675	XM_126660 .1-509s1c1	757 06	8N18Ri k	0.081 84615 1	0.278 72358 5	0.967 23500 8	0.781 11937 5	0.372 83556 3	0.415 14819 8	1.331 35896 9	- 1.4233 88616	- 1.2683 0166	- 0.4128 99612
TRCN 000008 5619	NM_177092 .2-477s1c1	320 183	Msr3	0.150 78974	0.275 79545 4	0.680 12522 1	1.027 76990 5	0.368 91873 9	0.291 91743 2	1.751 75616 7	- 1.4386 25025	- 1.7763 6773	- 0.8088 01975
TRCN 000003 0454	NM_177169 .2-2604s1c1	320 477	UNK	0.312 78925 3	0.275 59925 1	0.450 36427 2	0.898 18989 1	0.368 65628 8	0.193 30143 6	1.530 89682	- 1.4396 51732	- 2.3710 75741	- 0.6143 77051
TRCN 000001 1987	NM_019477 .2-1752s1c1	507 90	Acsl4	0.927 24263 8	0.275 54479 4	3.864 34211 7	0.301 06660 5	0.368 58344 3	1.658 61931 4	0.513 14528 6	- 1.4399 36831	- 0.7299 82797	- 0.9625 60744

TRCN 000002 7113	NM_013646 .1-1252s1c1	198 83	Rora	1.376 72283 1	0.274 10599 7	0.182 96145 2	11.69 58505 2	0.366 65883 1	0.078 52912 3	19.93 46937 2	- 1.4474 89806	- 3.6706 28403	4.3172 09535
TRCN 000011 2665	NM_020606 .4-2484s1c1	573 42	Parva	1.059 23074 8	0.273 13532 8	0.278 65636 3	1 1	0.365 36041 3	0.119 60246 1	1.704 42446 1	1.4526 07771	3.0636 81023	0.7692 84661
TRCN 000005 5166	NM_008707 .2-1241s1c1	181 07	Nmt1	0.269 93460 6	0.272 70062 9	0.180 82736 3	1.603 76104 5	0.364 77893 5	0.077 61314 8	2.733 48955 4	- 1.4549 05674	- 3.6875 5512	1.4507 43862
TRCN 000007 9795	NM_026532 .2-130s1c1	680 51	Nutf2	0.021 73437 6	0.271 91206 8	1 1	1 1	0.363 72411 5	0.429 21130 3	1.704 42446 1	1.4590 83516	1.2202 40027	0.7692 84661
TRCN 000009 5287	NM_008601 .1-349s1c1	173 42	Mitf	0.037 55235 2	0.271 91206 8	1.560 42810 4	0.640 84977 5	0.363 72411 5	0.669 75337 9	1.092 28003 3	1.4590 83516	0.5782 98139	0.1273 42774
TRCN 000010 0926	NM_019718 .2-326s1c1	563 50	Arl3	0.026 67903 8	0.271 91206 8	1 1	1 1	0.363 72411 5	0.429 21130 3	1.704 42446 1	1.4590 83516	1.2202 40027	0.7692 84661
TRCN 000010 1630	NM_016765 .1-1102s1c1	517 93	Ddah2	0.033 63562 5	0.271 91206 8	1 1	1 1	0.363 72411 5	0.429 21130 3	1.704 42446 1	1.4590 83516	1.2202 40027	0.7692 84661
TRCN 000007 1503	NM_022410 .1-6980s1c1	178 86	Myh9	2.953 29955 5	0.270 21508 3	0.215 46662 3	18.01 25459 2	0.361 45413 2	0.092 48071 7	30.70 10238 7	1.4681 15512	3.4347 03718	4.9402 14865
TRCN 000010 1535	NM_011060 .1-2773s1c1	186 01	Padi3	0.166 96794 8	0.268 62560 2	0.755 52600 5	1 1	0.359 32796 2	0.324 28030 1	1.704 42446 1	1.4766 2689	1.6246 86709	0.7692 84661
TRCN 000019 8514	NM_033560 .2-1303s1c1	523 48	Vps37a	0.100 45339 8	0.268 55782 4	28.56 23434 1	0.457 34744 1	0.359 23729 2	12.25 92806 2	0.779 51416 5	1.4769 90971	3.6158 02418	0.3593 52856
TRCN 000012 4981	NM_009998 .4-169s1c1	130 88	Cyp2b1 0	0.451 78901 2	0.267 88904 4	0.051 42941 1	1.603 76104 5	0.358 34270 2	0.022 07408 4	2.733 48955 4	1.4805 88121	5.5015 02599	1.4507 43862
TRCN 000012 5242	NM_019823 .2-566s1c1	564 48	Cyp2d2 2	0.753 52567 3	0.266 59457 6	0.671 07354 6	1.474 78468 7	0.356 61114 5	0.288 03235 1	2.513 65909 4	1.4875 76304	1.7956 97234	1.3297 89003
TRCN 000007 1751	NM_015814 .2-545s1c1	507 81	Dkk3	0.233 64287 5	0.266 25486 5	0.184 45846 6	33.58 26033 7	0.356 15673 7	0.079 17165 9	57.23 90106 3	1.4894 15813	3.6588 72115	5.8389 2683
TRCN 000006 7598	NM_009841 .2-751s1c1	124 75	Cd14	0.409 86078 2	0.264 43779 1	3.905 19461 5	1.104 09736 5	0.353 72612 1	1.676 15366 6	1.881 85055 5	1.4992 95336	0.7451 54418	0.9121 52063
TRCN 000010 1540	NM_133699 .1-900s1c1	687 75	Atp6v1 c2	0.724 31256 8	0.264 39743 3	2.186 00364 9	0.100 33260 6	0.353 67213 7	0.938 25747 4	0.171 00934 8	1.4995 1553	0.0919 44218	2.5478 52907
TRCN 000011 2417	NM_008379 .2-1265s1c1	162 11	Kpnb1	0.461 84241 5	0.262 88276 4	0.055 33805 4	118.3 48860 8	0.351 64603 4	0.023 75171 8	201.7 16693 2	1.5078 04148	5.3958 24308	7.6561 8667
TRCN 000010 3355	NM_008185 .2-849s1c1	148 71	Gstt1	0.163 16686 9	0.262 61050 8	1.380 66296 8	0.115 46283 5	0.351 28185 1	0.592 59615 1	0.196 79768 1	1.5092 99057	0.7548 78839	2.3452 14878
TRCN 000011 1392	NM_016658 .1-440s1c1	144 30	Galt	0.480 64253 4	0.261 65571 2	2.730 41574 9	1.232 33345 1	0.350 00466 4	1.171 9253 8	2.100 41927 8	1.5145 53946	0.2288 80614	1.0706 77342
TRCN 000002 3222	NM_010434 .1-2387s1c1	152 59	Hipk3	0.119 16079 4	0.259 32465 8	1 1	1 1	0.346 88652 2	0.429 21130 3	1.704 42446 1	1.5274 64308	1.2202 40027	0.7692 84661
TRCN 000002 5475	NM_138671 .1-895s1c1	192 185	Nadk	0.119 16079 4	0.259 32465 8	11.36 79199 3	0.087 96684 1	0.346 88652 2	4.879 23972 2	0.149 93283 5	1.5274 64308	2.2866 56366	2.7376 11732
TRCN 000002 6752	NM_023209 .1-374s1c1	520 33	Pbk	0.073 70622 6	0.259 32465 8	12.20 85620 9	0.526 99485 5	0.346 88652 2	5.240 05283 7	0.898 22292 1	1.5274 64308	2.3895 81359	0.1548 54557
TRCN 000002 7050	NM_013646 .1-696s1c1	198 83	Rora	0.119 16079 4	0.259 32465 8	1 1	1 1	0.346 88652 2	0.429 21130 3	1.704 42446 1	1.5274 64308	1.2202 40027	0.7692 84661
TRCN 000005 5040	NM_026268 .1-1152s1c1	676 03	Dusp6	0.144 64768	0.259 32465 8	1 1	1 1	0.346 88652 2	0.429 21130 3	1.704 42446 1	1.5274 64308	1.2202 40027	0.7692 84661

TRCN 000009 1420	NM_007599 .1-1245slcl	123 32	Capg	0.184 00355 8	0.259 32465 8	29.86 20473 7	0.033 48732 2	0.346 88652 2	12.81 71282 5	0.057 07661 1	- 1.5274 64308	3.6800 01149	- 4.1309 56515
TRCN 000009 8039	NM_007879 .1-537slcl	134 94	Drg1	0.094 25043 7	0.259 32465 8	1 1	1 1	0.346 88652 2	0.429 21130 3	1.704 42446 1	- 1.5274 64308	- 1.2202 40027	- 0.7692 84661
TRCN 000009 8416	NM_009265 .2-102slcl	207 54	Sprr1b	0.035 26827 1	0.259 32465 8	35.46 63284 1	0.760 20626 1	0.346 88652 2	15.22 25490 2	1.295 71414 7	- 1.5274 64308	3.9281 38054	0.3737 47474
TRCN 000010 3907	NM_177462 .2-3043slcl	100 177	Zmym6	0.101 30999 7	0.259 32465 8	1 1	1 1	0.346 88652 2	0.429 21130 3	1.704 42446 1	- 1.5274 64308	- 1.2202 40027	- 0.7692 84661
TRCN 000007 0612	NM_010055 .2-704slcl	133 93	Dlx3	0.134 49434 7	0.259 09490 7	18.79 24314 1	0.339 40787 6	0.346 57919 5	8.065 92396 5	0.578 49508 6	- 1.5287 43044	- 3.0118 39806	- 0.7896 23389
TRCN 000017 4037	NM_024281 .1-685slcl	819 10	Rrbp1	0.985 20676 5	0.254 64837 5	1.365 68521 3	2.703 94349 3	0.340 63127 6	0.586 16752 8	4.608 66742 9	- 1.5537 17191	- 0.7706 15046	- 2.2043 49664
TRCN 000009 0903	NM_011902 .1-807slcl	240 84	Tekt2	0.213 15601 7	0.254 28224 2	12.43 50762 7	0.179 71961 7	0.340 14151 6	5.337 27528 6	0.306 31851 1	- 1.5557 92989	- 2.4161 03424	- 1.7068 95544
TRCN 000008 9618	XM_133217 .6-2118slcl	722 05	Eml2	0.395 75574 3	0.252 09365 6	0.034 68852	1	0.337 21394 7	0.014 88870 5	1.704 42446 1	- 1.5682 6389	- 6.0696 37941	- 0.7692 84661
TRCN 000005 4953	NM_009721 .2-978slcl	119 31	Atp1b1	0.752 14316 4	0.250 72316 5	2.686 00041 2	0.448 83231 3	0.335 38070 6	1.152 86173 6	0.765 00077 2	- 1.5761 28401	- 0.2052 19499	- 0.3864 66891
TRCN 000007 6400	NM_018753 .3-794slcl	544 01	Ywhab	0.011 34656 8	0.250 47639 3	0.755 52600 5	1	0.335 05060 9	0.324 28030 1	1.704 42446 1	- 1.5775 49063	- 1.6246 86709	- 0.7692 84661
TRCN 000009 7387	NM_145354 .2-689slcl	281 14	Nsun2	0.079 37518 9	0.250 47639 3	2.237 48902 7	7.269 25119 4	0.335 05060 9	0.960 35558	12.38 98895 5	- 1.5775 49063	- 0.0583 59419	- 3.6310 91421
TRCN 000010 2048	NM_016714 .2-1033slcl	181 41	Nup50	0.082 92653 2	0.250 47639 3	46.06 12527	1.323 63470 1	0.335 05060 9	19.77 00102 8	2.256 03536 1	- 1.5775 49063	- 4.3052 41716	- 1.1737 89681
TRCN 000008 0232	NM_183284 .1-181slcl	699 82	Spink2	0.685 74522 7	0.250 25236 5	2.950 88424 1	0.129 44753 8	0.334 75093 8	1.266 55286 9	0.220 63355 1	- 1.5788 39996	- 0.3409 073	- 2.1802 75904
TRCN 000007 7380	NM_022886 .1-1200slcl	649 29	Scel	0.510 79953	0.249 57292	20.59 03725 2	0.360 59962 1	0.333 84207 6	8.837 62061 3	0.614 61481 5	- 1.5827 62297	- 3.1436 58	- 0.7022 45553
TRCN 000008 0196	NM_025867 .1-386slcl	669 57	Serpinb 11	0.386 90654 3	0.249 07207 6	0.435 85809 5	4.018 80522 5	0.333 17212	0.187 07522 1	6.849 74992 8	- 1.5856 60414	- 2.4183 09618	- 2.7760 51319
TRCN 000011 0541	NM_009497 .2-428slcl	223 18	Vamp2	0.391 44297 6	0.248 44079 2	5.100 28686 5	0.692 12111 5	0.332 32768	2.189 10076 9	1.179 66815 8	- 1.5893 21631	- 1.1303 38367	- 0.2383 81085
TRCN 000010 8854	NM_016798 .2-536slcl	533 18	Pdlim3	0.561 39408 3	0.248 40963 8	1.705 56998 5	3.085 11587 9	0.332 28600 8	0.732 04991 5	5.258 34696 9	- 1.5895 0255	- 0.4499 86073	- 2.3946 09341
TRCN 000002 6097	XM_144956 .2-135slcl	184 30	Oxtr	0.136 72222 1	0.247 85108 4	1	1	0.331 53885 6	0.429 21130 3	1.704 42446 1	- 1.5927 50132	- 1.2202 40027	- 0.7692 84661
TRCN 000008 4302	NM_011532 .1-1245slcl	213 80	Tbx1	0.081 56291 3	0.247 85108 4	1	1	0.331 53885 6	0.429 21130 3	1.704 42446 1	- 1.5927 50132	- 1.2202 40027	- 0.7692 84661
TRCN 000009 1667	NM_007392 .2-196slcl	114 75	Acta2	0.029 26899 6	0.247 85108 4	1	1	0.331 53885 6	0.429 21130 3	1.704 42446 1	- 1.5927 50132	- 1.2202 40027	- 0.7692 84661
TRCN 000010 1834	NM_011061 .1-1293slcl	186 02	Padi4	0.063 31679 2	0.247 85108 4	36.58 71846 2	0.027 33197 5	0.331 53885 6	15.70 36331 7	0.046 58528 6	- 1.5927 50132	- 3.9730 26473	- 4.4239 81838
TRCN 000006 7775	NM_022415 .2-145slcl	642 92	Ptges	0.228 17030 3	0.247 31913 5	0.204 79322	1	0.330 82729 3	0.087 89956 5	1.704 42446 1	- 1.5958 49835	- 3.5080 00167	- 0.7692 84661
TRCN 000002 8700	XM_358310 .1-2468slcl	110 789	Gpr98	0.233 25027 1	0.245 83996 1	0.206 68981	3.300 24441 7	0.328 84867 1	0.088 71360 3	5.625 01731 1	- 1.6045 04255	- 3.4947 00856	- 2.4918 57536

TRCN 000012 4882	NM_177124 .3-2717slcl	213 988	Tnrc6b	1.166 61546 8	0.245 75701 2	2.877 40857 9	1.057 34794 6	0.328 73771 3	1.235 01628 5	1.802 16970 2	- 1.6049 91122	0.3045 30065	0.8497 3487
TRCN 000009 7288	NM_009035 .1-919slcl	196 64	Rbpsuh	229.5 50620 3	0.242 04020 1	1.824 52541 8	0.628 13487 4	0.323 76590 8	0.783 10693 1	1.070 60844 3	- 1.6269 77016	- 0.3527 18778	- 0.0984 30935
TRCN 000006 7965	NM_053153 .1-574slcl	939 70	Klra18	0.101 46253 9	0.240 81945 3	5.069 51956 5	0.017 88206 5	0.322 13297 1	2.175 89509 6	0.030 47862 8	- 1.6342 71763	1.1216 09003	5.0360 58211
TRCN 000007 9422	NM_022004 .5-301slcl	590 95	Fxyd6	0.169 43818 8	0.240 19649 4	0.339 96409 8		0.321 29966 8	0.145 91643 3	1.704 42446 1	- 1.6380 08605	- 2.7767 85724	0.7692 84661
TRCN 000008 0113	NM_009817 .1-2680slcl	123 80	Cast	0.463 45275 4	0.237 78818 9	4.600 71137 2	0.950 44442 5		1.974 67732 1	1.619 96072 6	- 1.6525 46644	- 0.9816 16924	- 0.6959 58837
TRCN 000012 0645	NM_017407 .1-3405slcl	541 41	Spag5	0.339 66328 8	0.237 34976 8	6.884 49509 5	0.145 25393 5	0.317 49173 5	2.954 90310 8	0.247 57435 9	- 1.6552 09061	- 1.5631 10825	- 2.0140 6619
TRCN 000019 0757	NM_001033 312.1- 2413slcl	231 863	Fbxl18	0.030 56397 5	0.237 34976 8			0.317 49173 5	0.429 21130 3	1.704 42446 1	- 1.6552 09061	- 1.2202 40027	0.7692 84661
TRCN 000009 1665	NM_007392 .2-269slcl	114 75	Acta2	0.167 99381 8	0.235 38727 5	25.10 68378 1	0.017 36013 5	0.314 86659 9	10.77 61385 6	0.029 58903 9	- 1.6671 8737	- 3.4297 68402	- 5.0787 93358
TRCN 000007 1734	NM_020510 .1-1527slcl	572 65	Fzd2	0.173 59389 9	0.232 69930 7	0.306 27231 1	5.830 08835 9	0.311 27103 9	0.131 45553 8	9.936 94520 8	- 1.6837 56785	- 2.9273 53177	3.3128 0241
TRCN 000003 4482	NM_013834 .1-849slcl	203 77	Sfrp1	0.166 96848 8	0.232 28346 8	9.212 89600 4	0.928 83848 8	0.310 71478 1	3.954 27909 5	1.583 13502 5	- 1.6863 3722	1.9834 14701	0.6627 84308
TRCN 000011 3123	NM_021710 .1-571slcl	117 82	Ap4s1	0.121 52510 6	0.230 15507 1	0.231 49773 1	58.31 74722 6	0.307 86772 3	0.099 36144 3	99.39 77262 2	- 1.6996 17471	- 3.3311 7007	- 6.6351 40945
TRCN 000004 1743	NM_010699 .1-1484slcl	168 28	Ldha	0.069 66857 6	0.230 13266 4	17.39 19905 3	1.471 17058 2	0.307 83775 1	7.464 83891 1	2.507 49912 5	- 1.6997 57936	2.9001 11128	1.3262 49197
TRCN 000004 2416	NM_008675 .1-326slcl	179 65	Nbl1	0.242 55459 5	0.227 70215 1	1.560 42810 4	0.640 84977 5	0.304 58656 7	0.669 75337 9	1.092 28003 3	- 1.7150 75777	- 0.5782 98139	0.1273 42774
TRCN 000008 1743	NM_008241 .1-2660slcl	152 28	Foxg1	0.050 75341 6	0.227 70215 1	1.280 21405 2	0.781 11937 5	0.304 58656 7	0.549 48234 1	1.331 35896 9	- 1.7150 75777	- 0.8638 54978	0.4128 99612
TRCN 000009 9268	NM_009121 .3-637slcl	202 29	Sat1	0.034 73231 7	0.227 70215 1	1.280 21405 2	86.14 24298 1	0.304 58656 7	0.549 48234 1	146.8 23264 5	- 1.7150 75777	- 0.8638 54978	7.1979 36774
TRCN 000004 2455	NM_178902 .3-2327slcl	102 103	Mtus1	0.058 64294 4	0.227 26150 8	0.607 10469 4		0.303 99713 9	0.260 57619 7	1.704 42446 1	- 1.7178 70347	- 1.9402 22793	0.7692 84661
TRCN 000008 9201	XM_204001 .4-592slcl	136 38	Efna3	0.400 30145 1	0.227 26150 8	14.04 65267 5	3.200 73363 5	0.303 99713 9	6.028 92804 3	5.455 4087 6	- 1.7178 70347	2.5919 01511	2.4476 87282
TRCN 000003 3252	NM_012006 .1-1241slcl	268 97	Acot1	0.753 98919 5	0.226 82827 4	4.582 89027 6	0.943 59444 1	0.303 41762 2	1.967 02830 5	1.608 28544 6	- 1.7206 23216	0.9760 17718	0.6855 23485
TRCN 000002 9862	NM_008737 .1-1777slcl	181 86	Nrp1	0.120 41341 9	0.226 76423 7	18.80 56265 3	0.445 18231 1	0.303 33196 2	8.071 58746 2	0.758 27962 7	- 1.7210 30573	3.0128 5244	0.3982 47164
TRCN 000005 5146	NM_009698 .1-312slcl	118 21	Aprt	0.205 55689 1	0.225 21671 5	7.877 80772 4	0.034 77783 2	0.301 26191 5	3.381 24411 5	0.059 27618 8	- 1.7309 09796	- 1.7575 54178	- 4.0764 03511
TRCN 000011 2346	NM_008409 .2-559slcl	164 31	Itm2a	0.090 99685 3	0.222 59099 5	0.633 00364 7	0.823 30772 6	0.297 74961 1	0.271 69232 7	1.403 26582 7	- 1.7478 28473	- 1.8799 54309	0.4887 88331
TRCN 000002 8809	NM_145358 .1-533slcl	207 565	Camkk 2	0.071 68208 9	0.220 65946 7	0.755 52600 5		0.295 16589 6	0.324 28030 1	1.704 42446 1	- 1.7604 02055	- 1.6246 86709	0.7692 84661
TRCN 000006 5357	NM_009851 .1-2082slcl	125 05	Cd44	0.070 26295 5	0.220 19288 2	34.95 50910 2	0.017 52569 3	0.294 54176 7	15.00 31201 5	0.029 87121 9	- 1.7634 55869	- 3.9071 90659	- 5.0651 00062

TRCN 000010 8912	NM_011715 .1-368slc1	223 88	Wdr1	5.703 43050 8	0.219 49536 3	2.239 22259 9	1.671 08284 2	0.293 60872 9	0.961 09964 9	2.848 23447 2	- 1.7680 33237	- 0.0572 42075	1.5100 67916
TRCN 000002 2599	XM_356104 .1-1087slc1	745 68	Mkl1	0.052 81640 3	0.218 80819 9			0.292 68954 1	0.429 21130 3	1.704 42446 1	1.7725 56903	1.2202 40027	0.7692 84661
TRCN 000006 6533	NM_009777 .1-187slc1	122 60	C1qb	0.098 03937 4	0.218 80819 9	1.280 21405 2	0.781 11937 5	0.292 68954 1	0.549 48234 1	1.331 35896 9	1.7725 56903	0.8638 54978	0.4128 99612
TRCN 000008 0040	NM_011593 .1-337slc1	218 57	Timp1	0.141 22565 9	0.218 80819 9		40.24 44679 2	0.292 68954 1	0.429 21130 3	68.59 36555 3	1.7725 56903	1.2202 40027	6.1000 03237
TRCN 000010 4557	NM_028799 .1-694slc1	741 76	Tgm5	0.029 49393 6	0.218 80819 9		2.811 28313 5	0.292 68954 1	0.429 21130 3	4.791 61974 1	1.7725 56903	1.2202 40027	2.2605 13422
TRCN 000012 5778	NM_026859 .2-679slc1	688 77	Maf1	0.218 07528 3	0.218 80819 9			0.292 68954 1	0.429 21130 3	1.704 42446 1	1.7725 56903	1.2202 40027	0.7692 84661
TRCN 000002 7126	NM_013646 .1-976slc1	198 83	Rora	1.785 72553 1	0.217 97751 5	0.470 62188 7	12.48 00831 5	0.291 57837 3	0.201 99623 3	21.27 13589 9	1.7780 44377	2.3075 99706	4.4108 40302
TRCN 000005 4812	NM_009369 .1-1216slc1	218 10	Tgfb1	0.413 75541 4	0.217 97211 7	7.015 53890 7	0.034 61805 1	0.291 57114 4	3.011 14859 3	0.059 00385 4	1.7780 8015	1.5903 13903	4.0830 47009
TRCN 000010 2388	NM_007968 .1-1244slc1	140 30	Ewsr1	0.127 07164 5	0.216 56356 9	0.096 30335 5	5.226 32731 4	0.289 68700 3	0.041 33448 9	8.907 88011 4	1.7874 33134	4.5965 10152	3.1550 82142
TRCN 000001 2842	NM_019499 .2-164slc1	561 50	Mad2l1	0.243 10642 7	0.215 64065 2	18.02 30911 6	0.360 00502 1	0.288 45246 1	7.735 71443 5	0.613 60136 2	1.7935 94522	2.9515 34538	0.7046 26411
TRCN 000010 8664	NM_009416 .2-861slc1	220 04	Tpm2	0.423 83539 2	0.212 21982 5	7.309 09235 9	0.097 28537 2	0.283 87658 3	3.137 14505 8	0.165 81556 8	1.8166 64265	1.6494 52237	2.5923 48634
TRCN 000007 1932	NM_146120 .2-2190slc1	227 753	Gsn	0.199 45875 1	0.210 58291 6	1.560 42810 4	28.88 60192 6	0.281 68696 3	0.669 75337 9	49.23 40378	1.8278 35299	0.5782 98139	5.6215 84158
TRCN 000008 5472	NM_019426 .2-1397slc1	543 43	Atf7ip	0.226 59321 4	0.210 58291 6	14.17 00604 5	0.070 57132 9	0.281 68696 3	6.081 95010 5	0.120 2835	1.8278 35299	2.6045 33981	3.0554 89347
TRCN 000018 2422	NM_026515 .1-598slc1	680 26	281041 7H13Ri k	0.160 91880 2	0.210 58291 6	2.961 49836 5	0.337 66690 9	0.281 68696 3	1.271 10857 1	0.575 52774	1.8278 35299	0.3460 87263	0.7970 42628
TRCN 000010 9444	NM_021495 .1-1127slc1	589 98	Pvrl3	0.095 88070 2	0.209 87684 7	10.88 70715 1	0.046 60782 3	0.280 74248 7	4.672 85414 3	0.079 43951 3	1.8326 80682	2.2243 04006	3.6539 99415
TRCN 000008 9972	NM_016674 .2-420slc1	127 37	Cldn1	0.171 5808 3	0.209 77492 3	2.438 33829 5	0.329 70876 6	0.280 60614 8	1.046 56235 6	0.561 96368 5	1.8333 81475	0.0656 58273	0.8314 51191
TRCN 000007 1931	NM_146120 .2-340slc1	227 753	Gsn	0.599 73128 6	0.209 26665 9	0.079 05811 8	11.26 39377 6	0.279 92626 7	0.033 93263 8	19.19 85310 5	1.8368 81228	4.8811 8261	4.2629 24024
TRCN 000020 1847	NM_175003 .2-1329slc1	216 831	AU040 829	1.025 09615 5	0.208 79236 5	14.29 52265 9	0.111 97299 6	0.279 29182 6	6.135 67282 5	0.190 84951 3	1.8401 54745	2.6172 21555	2.3894 92591
TRCN 000006 8572	NM_011027 .1-105slc1	184 39	P2rx7	0.469 38357 1	0.205 30675 1	0.435 85809 5	3.415 04418 2	0.274 62928 2	0.187 07522 1	5.820 68483 4	1.8644 42636	2.4183 09618	2.5411 88904
TRCN 000009 9045	NM_029571 .1-1233slc1	100 087	Kti12	0.199 89088 2	0.204 41299 2	2.160 56828 2	1.351 96783 3	0.273 43374 3	0.927 34032 7	2.304 32703 9	1.8707 36805	0.1088 29201	1.2043 45484
TRCN 000003 7103	NM_019726 .2-596slc1	563 10	Gps2	0.139 93025 3	0.202 95362 8	1.560 42810 4	0.640 84977 5	0.271 48161 9	0.669 75337 9	1.092 28003 3	1.8810 73572	0.5782 98139	0.1273 42774
TRCN 000003 7315	NM_019912 .1-577slc1	565 50	Ube2d2	0.068 17328 2	0.202 95362 8			0.271 48161 9	0.429 21130 3	1.704 42446 1	1.8810 73572	1.2202 40027	0.7692 84661
TRCN 000004 1785	NM_029573 .2-202slc1	678 34	Idh3a	0.089 31146 1	0.202 95362 8		1.603 76104 5	0.271 48161 9	0.429 21130 3	2.733 48955 4	1.8810 73572	1.2202 40027	1.4507 43862

TRCN 000008 9969	NM_016674 .2-394slcl	127 37	Cldn1	0.021 77980 6	0.202 95362 8	1	1	0.271 48161 9	0.429 21130 3	1.704 42446 1	- 1.8810 73572	- 1.2202 40027	0.7692 84661
TRCN 000009 2984	NM_178214 .2-300slcl	319 190	Hist2h2 be	0.139 93025 3	0.202 95362 8	1	1.603 76104 5	0.271 48161 9	0.429 21130 3	2.733 48955 4	- 1.8810 73572	- 1.2202 40027	1.4507 43862
TRCN 000010 5048	NM_011636 .1-767slcl	220 38	Plscr1	0.120 42880 3	0.202 95362 8	34.90 59003 1	0.028 64845 2	0.271 48161 9	14.98 20069 4	0.048 82912 2	- 1.8810 73572	3.9051 58991	4.3561 14356
TRCN 000008 4401	NM_007961 .2-549slcl	140 11	Etv6	0.011 27	0.202 57356 8	3.084 32504 1	0.244 95667 4	0.270 97323 1	1.323 82716 8	0.417 51014 8	- 1.8837 77759	0.4047 14784	1.2601 16832
TRCN 000011 5264	NM_023418 .1-737slcl	186 48	Pgam1	0.157 93627 5	0.201 93079	16.72 51515 1	0.020 32651 8	0.270 11341 7	7.178 62406 5	0.034 64501 5	- 1.8883 62791	2.8437 07348	4.8512 0841
TRCN 000020 1786	NM_175003 .2-3677slcl	216 831	AU040 829	0.642 70898 3	0.200 95776 1	2.294 37767 1	0.034 45732 5	0.268 81184 1	0.984 77282 9	0.058 72990 8	- 1.8953 31407	0.0221 37138	4.0897 6081
TRCN 000009 5427	NM_001025 305.1- 1582slcl	214 19	Tcfap2b	0.110 02027 8	0.200 53383 4	4.550 43519 2	1.340 03550 2	0.268 24477 4	1.953 09821 6	2.283 98928 9	- 1.8983 78032	0.9657 645	1.1915 55885
TRCN 000006 7601	NM_009841 .2-449slcl	124 75	Cd14	0.476 65922 3	0.199 61261 9	0.453 51051 9	19.49 19781 6	0.267 01249 5	0.194 65184 6	33.22 26043 6	- 1.9050 20841	2.3610 32109	5.0540 93267
TRCN 000011 4594	NM_019425 .1-416slcl	543 42	Gnpnat 1	0.124 95935 4	0.198 00156 7	10.98 43799 5	1.590 27895 5	0.264 85747 9	4.714 62002 8	2.710 51035	- 1.9167 11849	2.2371 41502	1.4385 64516
TRCN 000008 9038	NM_008738 .1-395slcl	181 88	Nrtn	0.523 39771 4	0.196 37615 6	10.42 63780 2	0.646 18064 3	0.262 68323 9	4.475 11930 3	1.101 36609 2	- 1.9286 03979	2.1619 26146	0.1392 94098
TRCN 000007 9257	NM_023908 .1-815slcl	108 116	Slco3a1	0.173 01709 3	0.195 85782 1	1	1	0.261 98988 8	0.429 21130 3	1.704 42446 1	- 1.9324 16967	1.2202 40027	0.7692 84661
TRCN 000011 4259	NM_012031 .1-1874slcl	269 42	Spag1	0.035 56763 6	0.195 85782 8	37.42 78267 8	0.026 71808 9	0.261 98988 8	16.06 44462 9	0.045 53896 4	- 1.9324 16967	4.0057 9935	4.4567 54715
TRCN 000012 5849	NM_026139 .2-3321slcl	674 16	Armex2	0.213 77066 1	0.194 14198 2	1.612 06355 5	4.199 21535 9	0.259 69469 1	0.691 91589 8	7.157 24537 3	- 1.9451 11573	0.5313 31404	2.8394 04441
TRCN 000018 2463	NM_027171 .1-3417slcl	696 97	231005 7J16Rik	0.117 57079 7	0.193 84203 7	0.607 10469 4	3.415 04418 9	0.259 29346 9	0.260 57619 7	5.820 68483 4	- 1.9473 42227	1.9402 22793	2.5411 88904
TRCN 000017 7304	NM_175465 .2-1414slcl	228 071	Sestd1	0.388 55105 6	0.193 14072 8	1.585 29732 5	1.627 73782 7	0.258 35535 9	0.680 42753 9	2.774 35616 9	- 1.9525 71283	0.5554 86582	1.4721 53011
TRCN 000012 6671	NM_172506 .1-3220slcl	117 606	Boc	1.181 59593 4	0.193 05762 3	0.060 97287 3	50.16 66264 1	0.258 24419 5	0.026 17024 6	85.50 52251 7	- 1.9531 92178	5.2559 28693	6.4179 4068
TRCN 000007 5454	NM_007792 .2-562slcl	130 08	Csrp2	0.139 30169 6	0.192 07804 7	0.967 23500 8	51.24 33305 2	0.256 93386 1	0.415 14819 8	87.34 03859 8	- 1.9605 31062	1.2683 0166	6.4485 77002
TRCN 000007 6763	NM_015729 .1-115slcl	114 30	Acox1	0.113 20393 9	0.192 07804 7	0.755 52600 5	1	0.256 93386 1	0.324 28030 1	1.704 42446 1	- 1.9605 31062	1.6246 86709	0.7692 84661
TRCN 000008 1790	NM_007914 .1-515slcl	136 61	Ehf	0.045 30375 3	0.192 07804 7	10.49 41401 5	0.071 99503 7	0.256 93386 1	4.504 20356 6	0.122 71010 1	- 1.9605 31062	2.1712 72031	3.0266 74079
TRCN 000009 5864	NM_009534 .1-1824slcl	226 01	Yap1	0.020 77330 2	0.192 07804 7	0.967 23500 8	0.781 11937 5	0.256 93386 1	0.415 14819 8	1.331 35896 9	- 1.9605 31062	1.2683 0166	0.4128 99612
TRCN 000004 2141	NM_008898 .1-163slcl	189 84	Por	0.125 11768 4	0.191 23549 8	0.685 35947 4	12.98 28151 2	0.255 80682 3	0.294 16403 3	22.12 82276 6	- 1.9668 73351	1.7653 07236	4.4678 15999
TRCN 000011 9297	NM_019397 .1-2049slcl	541 56	Egfl6	0.554 80161 4	0.190 52243 6	10.87 22750 2	0.317 88405 6	0.254 85299 3	4.666 50332 5	0.541 80936 2	- 1.9722 62798	2.2223 41923	0.8841 42774
TRCN 000009 5670	NM_013860 .1-1039slcl	298 06	Limd1	0.073 84423 7	0.189 98621 6	0.170 83160 7	1	0.254 13571 6	0.073 32285 7	1.704 42446 1	- 1.9763 28948	3.7695 93196	0.7692 84661

TRCN 000006 6679	NM_010818 .2-450slcl	174 70	Cd200	0.073 11303 3	0.189 24142 8	1	55.94 22550 9	0.253 13944 8	0.429 21130 3	95.34 93479 6	- 1.9819 95746	- 1.2202 40027	6.5751 51168
TRCN 000006 8797	NM_026214 .2-723slcl	675 16	Kctd4	0.291 85048 7	0.189 24142 8	1	1	0.253 13944 8	0.429 21130 3	1.704 42446 1	- 1.9819 95746	- 1.2202 40027	0.7692 84661
TRCN 000011 4771	NM_010518 .1-1636slcl	160 11	Igfbp5	0.023 65606 4	0.189 24142 8	60.40 53790 6	0.016 55481 7	0.253 13944 8	25.92 66714 3	0.028 21643 5	- 1.9819 95746	4.6963 65094	5.1473 2046
TRCN 000007 0385	NM_177263 .3-714slcl	320 799	Zhx3	0.161 41635 2	0.188 58275 3	0.278 65636 3	1.603 76104 5	0.252 25836 8	0.119 60246 1	2.733 48955 4	- 1.9870 25964	- 3.0636 81023	1.4507 43862
TRCN 000009 5077	NM_011658 .2-749slcl	221 60	Twist1	0.116 20850 7	0.186 57646 4	2.201 62187 5	3.839 87217 2	0.249 57464 9	0.944 96099 3	6.544 77205 7	- 2.0024 56697	- 0.0816 73317	2.7103 42946
TRCN 000005 4616	NM_009689 .1-491slcl	117 99	Birc5	0.503 62125 3	0.185 32259 2	3.418 40575 3	0.096 07969 7	0.247 89740 4	1.467 21838 6	0.163 76058 6	- 2.0121 84934	0.5530 83623	2.6103 39928
TRCN 000007 0908	NM_010464 .1-1009slcl	154 22	Hoxc13	0.277 55733 2	0.185 23384 3	4.378 01911 7	0.374 55413 7	0.247 77868 7	1.879 09528 8	0.638 39923 3	- 2.0128 75995	0.9100 38227	0.6474 69177
TRCN 000003 0457	NM_177169 .2-2525slcl	320 477	UNK	0.143 51876 8	0.183 05745 3	1	2.207 52209 3	0.244 86743 3	0.429 21130 3	3.762 55464 8	- 2.0299 27185	- 1.2202 40027	1.9117 12536
TRCN 000005 5222	NM_207655 .1-1296slcl	136 49	Egfr	0.110 43230 5	0.183 05745 3	25.93 90506 4	0.038 55191 2	0.244 86743 3	11.13 33337 2	0.065 70882 2	- 2.0299 27185	3.4768 13746	3.9277 69112
TRCN 000009 3047	NM_016750 .1-198slcl	517 88	H2afz	0.094 15296 1	0.183 05745 3	1.280 21405 2	17.28 74501 2	0.244 86743 3	0.549 48234 1	29.46 51528 5	- 2.0299 27185	- 0.8638 54978	4.8809 37845
TRCN 000010 0702	NM_146182 .1-946slcl	232 943	Klc3	0.358 09605 5	0.183 05745 3	1	5.226 32731 4	0.244 86743 3	0.429 21130 3	8.907 88011 4	- 2.0299 27185	- 1.2202 40027	3.1550 82142
TRCN 000011 2921	NM_023063 .1-1260slcl	659 70	Lima1	0.034 61712 3	0.183 05745 3	1	145.2 98889 7	0.244 86743 3	0.429 21130 3	247.6 50981 8	- 2.0299 27185	1.2202 40027	7.9521 6453
TRCN 000011 9809	NM_028779 .3-1595slcl	109 674	Ampd2	0.099 01855 7	0.183 05745 3	1	11.26 39377 6	0.244 86743 3	0.429 21130 3	19.19 85310 5	- 2.0299 27185	- 1.2202 40027	4.2629 24024
TRCN 000002 2728	NM_148945 .1-456slcl	110 651	Rps6ka3	0.104 39988 3	0.182 61651 8	0.755 52600 5	1	0.244 27761 5	0.324 28030 1	1.704 42446 1	- 2.0334 06431	- 1.6246 86709	0.7692 84661
TRCN 000004 2345	NM_013711 .1-148slcl	264 62	Txnrd2	0.049 50688 4	0.182 61651 8	1.814 07102 1	0.416 48094	0.244 27761 5	0.778 61978 6	0.709 86030 2	- 2.0334 06431	- 0.3610 09088	0.4943 92959
TRCN 000019 0507	NM_172943 .2-1889slcl	268 420	Alkbh5	0.045 9292 8	0.182 61651 8	0.755 52600 5	1	0.244 27761 5	0.324 28030 1	1.704 42446 1	- 2.0334 06431	- 1.6246 86709	0.7692 84661
TRCN 000004 2523	NM_008709 .2-1021slcl	181 09	Mycn	1.016 0567 8	0.182 04315 8	0.435 85809 5	1	0.243 51065 7	0.187 07522 1	1.704 42446 1	- 2.0379 43182	- 2.4183 09618	0.7692 84661
TRCN 000012 6046	NM_178057 .2-329slcl	153 64	Hmga2	0.272 30077 6	0.180 84780 9	15.81 61391 1	0.351 50695 6	0.241 91169 4	6.788 46566 9	0.599 11705 5	- 2.0474 47581	- 2.7630 85533	0.7390 90192
TRCN 000009 6760	NM_183029 .1-799slcl	319 765	Igf2bp2	0.454 79408 2	0.177 26484 6	10.05 64156 7	1	0.237 11893 1	0.429 21130 3	17.14 04008 6	- 2.0763 17245	- 1.2202 40027	4.0993 28945
TRCN 000017 3921	NM_134052 .1-487slcl	104 923	Adi1	0.067 41554 6	0.177 26484 6	1	1	0.237 11893 1	0.429 21130 3	1.704 42446 1	- 2.0763 17245	- 1.2202 40027	0.7692 84661
TRCN 000019 2297	NM_175127 .1-239slcl	679 48	Fbxo28	0.015 06422 2	0.177 26484 6	25.09 84084 9	0.039 84316 4	0.237 11893 1	10.77 25206 1	0.067 90966 3	- 2.0763 17245	3.4292 83952	3.8802 39318
TRCN 000011 4298	NM_021890 .3-763slcl	605 27	Fads3	0.257 05212 2	0.175 88778 4	0.255 60865 4	18.50 90703	0.235 27689 5	0.109 71012 3	31.54 73121 7	- 2.0875 68448	- 3.1882 31441	4.9794 45188
TRCN 000012 3575	NM_024183 .3-1024slcl	668 99	Fip111	0.673 95036 8	0.175 32552 7	4.640 80400 7	0.126 07173 5	0.234 52478 6	1.991 88553 3	0.214 87974 9	- 2.0921 87691	- 0.9941 34743	2.2183 98572

TRCN 000001 1984	NM_019477 .2-2115s1c1	507 90	Acs14	0.596 79580 9	0.174 81126 6	0.106 66885 9	0.781 11937 5	0.233 83689 2	0.045 78348	1.331 35896 9	- 2.0964 25537	- 4.4490 29069	0.4128 99612
TRCN 000012 4661	NM_011020 .3-2415s1c1	184 15	Hspa41	0.185 87471 7	0.174 04335 7	0.755 52600 5		0.232 80969 6	0.324 28030 1	1.704 42446 1	- 2.1027 76953	- 1.6246 86709	0.7692 84661
TRCN 000012 6901	NM_030018 .2-342s1c1	779 75	Tmem5 0b	0.326 96208 6	0.172 44400 9	4.205 29617 7	0.090 03397 3	0.230 67032 3	1.804 96065	0.153 45610 7	- 2.1160 9569	0.8519 67385	2.7041 02038
TRCN 000001 2689	NM_007614 .2-2001s1c1	123 87	Ctnnb1	0.117 64965 3	0.171 82759 2		1 1	0.229 84577	0.429 21130 3	1.704 42446 1	- 2.1212 6198	- 1.2202 40027	0.7692 84661
TRCN 000007 6877	NM_013737 .2-1020s1c1	272 26	Pla2g7	0.124 84501 8	0.171 82759 2		4.622 56626 9	0.229 84577	0.429 21130 3	7.878 81502 1	- 2.1212 6198	- 1.2202 40027	2.9779 78664
TRCN 000009 3125	NM_007681 .1-484s1c1	126 15	Cenpa	0.124 84501 8	0.171 82759 2		1 1	0.229 84577	0.429 21130 3	1.704 42446 1	- 2.1212 6198	- 1.2202 40027	0.7692 84661
TRCN 000007 9547	NM_009196 .2-433s1c1	205 01	Slc16a1	0.251 63555 7	0.170 69432 5	0.048 21960 7		0.228 32985 2	0.020 6964	1.704 42446 1	- 2.1308 08606	- 5.5944 76326	0.7692 84661
TRCN 000009 0584	NM_053185 .1-4823s1c1	942 16	Col4a6	0.157 34506 6	0.170 05171 1	0.755 52600 5		0.227 47025 7	0.324 28030 1	1.704 42446 1	- 2.1362 50176	- 1.6246 86709	0.7692 84661
TRCN 000009 5938	NM_011749 .3-1422s1c1	226 61	Zfp148	0.190 23777 8	0.170 05171 1	4.566 28806 3	0.165 45736 8	0.227 47025 7	1.959 90244 8	0.282 00958 5	- 2.1362 50176	0.9707 81848	1.8261 83895
TRCN 000017 7027	NM_001033 264.1- 910s1c1	216 456	Gls2	0.024 01673 8	0.168 99136 2	1.627 82029 3		0.226 0372 9556	0.698 05187 8	0.635 67464 8	- 2.1452 74194	- 0.5172 98588	0.6536 39544
TRCN 000009 1535	NM_009933 .1-1173s1c1	128 33	Col6a1	0.521 83040 8	0.168 08495 4	5.354 07923	0.052 04561 8	0.224 83941 8	2.298 03132 1	0.088 70782 5	- 2.1530 3311	- 1.2003 98461	3.4947 94823
TRCN 000012 6001	NM_027890 .3-407s1c1	717 33	Susd2	0.085 76130 3	0.167 80729 5	12.57 51321 6	0.241 22899 7	0.224 46800 7	5.397 38885 5	0.411 15660 3	- 2.1554 18262	- 2.4322 6163	1.2822 40097
TRCN 000011 4325	NM_008750 .2-1345s1c1	182 30	Nxn	0.253 53556 7	0.167 11581 3	0.911 54040	0.372 9556	0.223 54303 9	0.391 24344 4	0.635 67464 8	- 2.1613 75472	- 1.3538 61518	0.6536 39544
TRCN 000007 6875	NM_013737 .2-612s1c1	272 26	Pla2g7	0.041 78533 9	0.166 71396 6		30.58 42912	0.223 00551	0.429 21130 3	52.12 86140 4	- 2.1648 48737	- 1.2202 40027	5.7040 03598
TRCN 000018 5365	XM_109868 .4-465s1c1	319 939	Tns3	0.405 93160 2	0.166 63403	0.163 65417 5	0.540 74727	0.222 89858 5	0.070 24222 2	0.921 66287 4	- 2.1655 40639	- 3.8315 17717	0.1176 88958
TRCN 000012 5599	NM_175402 .3-1954s1c1	109 095	Rbm15 b	0.766 78740 1	0.166 37102	1.666 57668 7	4.520 38729 5	0.222 54676 7	0.715 31355 1	7.704 65867 8	- 2.1678 19551	- 0.4833 52323	2.9457 31046
TRCN 000007 5600	XM_125814 .4-1342s1c1	114 774	Pawr	0.137 22679 4	0.166 23905 6	0.755 52600 5	10.66 01767 2	0.222 37024 5	0.324 28030 1	18.16 94659 5	- 2.1689 64336	- 1.6246 86709	4.1834 44111
TRCN 000011 0204	NM_177828 .2-1517s1c1	328 967	493342 9F08Ri k	0.521 92064 1	0.166 23905 6	0.755 52600 5		0.222 37024 5	0.324 28030 1	1.704 42446 1	- 2.1689 64336	- 1.6246 86709	0.7692 84661
TRCN 000007 0909	NM_010464 .1-892s1c1	154 22	Hoxc13	0.808 48694 1	0.163 87056 3	4.599 29028 2	0.119 04964 1	0.219 20202 4	1.974 06737 3	0.202 91112 1	- 2.1896 66978	- 0.9811 71229	2.3010 80158
TRCN 000010 8852	NM_016798 .2-480s1c1	533 18	Pdlim3	0.102 67206 4	0.163 79349 1	9.485 18497 7	0.057 48134 4	0.219 09892 8	4.071 1486	0.097 97260 8	- 2.1903 4567	- 2.0254 35882	3.3514 77743
TRCN 000006 6495	NM_010111 .2-862s1c1	136 42	Efnb2	0.047 77289	0.161 89590 8		1 1	0.216 56061 9	0.429 21130 3	1.704 42446 1	- 2.2071 57175	- 1.2202 40027	0.7692 84661
TRCN 000006 8824	NM_010291 .2-768s1c1	146 22	Gjb5	0.150 97022 9	0.161 89590 8	70.77 32989 9	0.014 12962 3	0.216 56061 9	30.37 66998 5	0.024 08287 4	- 2.2071 57175	- 4.9248 93238	5.3758 48603
TRCN 000007 0537	NM_010710 .2-1197s1c1	168 70	Lhx2	0.341 14638	0.161 89590 8		132.0 16146 7	0.216 56061 9	0.429 21130 3	225.0 11549 7	- 2.2071 57175	- 1.2202 40027	7.8138 55246

TRCN 000006 9041	NM_028787 .2-255slcl	741 50	Slc35f5	0.528 49531 3	0.161 32070 2	9.235 99381 3	0.076 77620 8	0.215 79119 3	3.964 19293 6	0.130 85924 6	- 2.2122 92109	1.9870 2718	- 2.9339 1223
TRCN 000003 1699	NM_012055 .1-788slcl	270 53	Asns	0.141 52484 7	0.160 92733 9	0.507 42269 7	1.603 76104 5	0.215 26501 7	0.217 79155 4	2.733 48955 4	- 2.2158 14258	2.1989 8007	1.4507 43862
TRCN 000005 4576	NM_011349 .2-745slcl	203 50	Sema3f	0.056 04659 2	0.160 19002 2	64.57 19489 2	1.286 62667 2	0.214 27873 2	27.71 50103 2	2.192 95797 2	- 2.2224 3943	4.7925 95639	1.1328 78163
TRCN 000012 0821	NM_178804 .2-2770slcl	205 63	Slit2	0.060 95362 9	0.159 80457 3	11.92 70549 3	0.203 61395 9	0.213 76313 3	5.119 22678 2	0.347 04461 2	- 2.2259 15034	2.3559 25919	- 1.5268 06964
TRCN 000001 2724	XM_148699 .3-2110slcl	129 14	Crebbp	0.582 05052 4	0.159 50954 1	5.610 85729 6	0.062 13334 7	0.213 36848 7	2.408 24336 7	0.105 90159 4	- 2.2285 80982	1.2679 81192	3.2392 03786
TRCN 000002 8290	NM_198618 .1-1605slcl	242 667	Dlgap3	0.214 14435 4	0.158 61522 8	2.782 41421 6	0.732 90057 7	0.212 17220 7	1.194 24363 7	1.249 17367 1	- 2.2366 92412	0.2560 97182	0.3209 74066
TRCN 000011 0370	NM_016888 .4-1816slcl	536 25	B3gnt2	0.097 69215 2	0.158 36894 4	34.20 58286 5	0.105 56006 4	0.211 84275 8	14.68 15282 7	0.179 91915 5	- 2.2389 34285	3.8759 30248	2.4745 79308
TRCN 000012 6900	NM_030018 .2-341slcl	779 75	Tmem5 0b	0.382 70180 8	0.157 5036 6	3.367 06360 6	0.285 7583 3	0.210 68523 3	1.445 18175 6	0.487 05343 7	- 2.2468 38897	0.5312 50948	1.0378 4803
TRCN 000008 1941	NM_010125 .1-819slcl	137 11	Elf5	0.238 39252 8	0.157 34851 4			0.210 47778 2	0.429 21130 3	1.704 42446 1	- 2.2482 60145	1.2202 40027	0.7692 84661
TRCN 000012 5239	NM_019823 .2-780slcl	564 48	Cyp2d2 2	0.557 33326 6	0.156 80638 6	0.721 53536 4	18.35 60822 2	0.209 75260 2	0.309 69113 4	31.28 65555 3	- 2.2532 39387	1.6910 98015	4.9674 7093
TRCN 000007 7769	NM_007630 .1-441slcl	124 42	Ccnb2	0.405 46976 9	0.155 76222 4	0.755 52600 5		0.208 35587 5	0.324 28030 1	1.704 42446 1	- 2.2628 78311	1.6246 86709	0.7692 84661
TRCN 000008 0193	NM_025867 .1-1383slcl	669 57	Serpinh 11	0.047 04771 6	0.155 76222 4	0.755 52600 5		0.208 35587 5	0.324 28030 1	1.704 42446 1	- 2.2628 78311	1.6246 86709	0.7692 84661
TRCN 000012 4938	NM_026719 .1-1302slcl	684 21	Lmbrd1	0.139 34221 3	0.153 13797 5	0.435 22681 5	1.724 33827 5	0.204 84553 3	0.186 80426 8	2.939 00433 4	- 2.2873 91664	2.4204 00674	1.5553 27486
TRCN 000004 2696	NM_010591 .1-1000slcl	164 76	Jun	0.428 30659 2	0.153 04959 8			0.204 72732 2	0.429 21130 3	1.704 42446 1	- 2.2882 24441	1.2202 40027	0.7692 84661
TRCN 000009 8338	NM_139001 .1-6362slcl	121 021	Cspg4	0.526 75082 8	0.153 04959 8			0.204 72732 2	0.429 21130 3	1.704 42446 1	- 2.2882 24441	1.2202 40027	0.7692 84661
TRCN 000011 1391	NM_016658 .1-1137slcl	144 30	Galt	0.051 67359 7	0.153 04959 8			0.204 72732 2	0.429 21130 3	1.704 42446 1	- 2.2882 24441	1.2202 40027	0.7692 84661
TRCN 000009 1533	NM_009933 .1-3348slcl	128 33	Col6a1	0.319 35623 2	0.151 56060 7	0.255 60865 4	46.88 58394 1	0.202 73556 8	0.109 71012 3	79.91 33715 6	- 2.3023 28878	3.1882 31441	6.3203 65018
TRCN 000009 3446	NM_016807 .1-181slcl	533 78	Sdcbp	0.246 81719 6	0.150 90853 6	15.44 89559 7	0.316 81647 2	0.201 86332 3	6.630 86651 6	0.539 98974 4	- 2.3085 49289	2.7291 97413	0.8889 96087
TRCN 000004 2560	NM_009764 .2-1324slcl	121 89	Brcal	1.747 74685 6	0.148 87987 2	6.075 14754 4	0.745 21614 2	0.199 14967 3	2.607 52199 1	1.270 16462 1	- 2.3280 74982	1.3826 7942	0.3450 15491
TRCN 000002 7456	XM_134499 .4-1472slcl	136 17	Ednra	0.872 97332 6	0.147 98445 3	2.071 47936 6	0.688 64256 7	0.197 95191 3	0.889 10235 7	1.173 73923 7	- 2.3367 78086	0.1695 78577	0.2311 11928
TRCN 000003 2329	NM_172880 .1-865slcl	243 084	Tmprss 11e	0.175 37245 3	0.147 39568 6	32.75 96460 6	0.018 53209 9	0.197 16433 9	14.06 08103 6	0.031 58654 7	- 2.3425 2946	3.8136 07838	4.9845 4597
TRCN 000008 0420	NM_027548 .1-585slcl	116 872	Serpinh 7	0.059 89948 6	0.145 11995 9			0.194 12021 3	0.429 21130 3	1.704 42446 1	- 2.3649 77745	1.2202 40027	0.7692 84661
TRCN 000008 8135	NM_144516 .1-271slcl	665 05	Zmynd 11	0.168 42247 3	0.145 11995 9			0.194 12021 3	0.429 21130 3	1.704 42446 1	- 2.3649 77745	1.2202 40027	0.7692 84661

TRCN 000009 1663	NM_007392 .2-1362slcl	114 75	Acta2	0.195 69570 4	0.145 11995 9	61.24 60212 1	0.312 06649 8	0.194 12021 3	26.28 74845 5	0.531 89377 2	- 2.3649 77745	- 4.7163 04192	- 0.9107 8995
TRCN 000010 0638	NM_008850 .1-669slcl	187 38	Pitpna	0.666 05063 4	0.144 53698 9	2.389 47928 2	1.688 62268 4	0.193 34040 2	1.025 59151 5	2.878 12980 8	- 2.3707 84951	- 0.0364 56232	- 1.5251 31661
TRCN 000009 9705	NM_020561 .1-1553slcl	573 19	Smpd3 a	0.294 67644 5	0.143 78414 8	96.07 89951 7	0.219 30838 3	0.192 33336 1	41.23 81906 8	0.373 79457 3	- 2.3783 19068	- 5.3659 09131	- 1.4196 82473
TRCN 000007 9036	NM_010279 .2-1497slcl	145 85	Gfra1	0.111 27507 7	0.142 83248 1	0.607 10469 4	- - -	0.191 06036 1	0.260 57619 7	1.704 42446 1	- 2.3878 99607	- 1.9402 22793	- 0.7692 84661
TRCN 000003 0093	NM_028860 .1-3132slcl	743 02	Mtmr3	0.773 22435 3	0.141 96046 3	5.359 91182 3	0.456 66890 8	0.189 89390 3	2.300 53473 6	0.778 35765 7	- 2.3967 34511	- 1.2019 6924	- 0.3614 94866
TRCN 000002 3994	NM_010019 .2-811slcl	131 43	Dapk2	0.200 76529 4	0.141 45549 8	69.65 24427 8	0.482 43959 7	0.189 21842 4	29.89 56157 8	0.822 28185 9	- 2.4018 75527	- 4.9018 62018	- 0.2822 9511
TRCN 000007 5842	NM_145153 .2-879slcl	243 262	Oas1f	0.200 76529 2	0.141 45549 2	1.280 21405 2	0.781 11937 5	0.189 21842 4	0.549 48234 1	1.331 35896 9	- 2.4018 75527	- 0.8638 54978	- 0.4128 99612
TRCN 000010 4076	NM_144958 .2-600slcl	136 81	Eif4a1	0.015 27312 1	0.141 45549 4	130.1 78678 4	0.272 04439 4	0.189 21842 4	55.87 41599 8	0.463 67911 9	- 2.4018 75527	- 5.8041 09332	- 1.1088 01335
TRCN 000012 5081	NM_007791 .2-394slcl	130 07	Csrp1	0.296 93160 2	0.141 45549 1	- - -	4.018 80522 5	0.189 21842 4	0.429 21130 3	6.849 74992 8	- 2.4018 75527	- 1.2202 40027	- 2.7760 51319
TRCN 000017 5412	NM_172604 .1-1009slcl	219 151	Scara3	0.026 00506 6	0.141 45549 1	- - -	- - -	0.189 21842 4	0.429 21130 3	1.704 42446 1	- 2.4018 75527	- 1.2202 40027	- 0.7692 84661
TRCN 000012 6607	NM_139311 .1-1269slcl	246 198	MlIt6	0.141 04788 3	0.140 95646 6	0.755 52600 5	- - -	0.188 55090 2	0.324 28030 1	1.704 42446 1	- 2.4069 74043	- 1.6246 86709	- 0.7692 84661
TRCN 000017 4981	NM_022979 .1-1475slcl	269 966	Nup98	0.144 88313 7	0.140 65522 4	0.607 10469 4	10.05 64156 7	0.188 14793 9	0.260 57619 7	17.14 04008 6	- 2.4100 60608	- 1.9402 22793	- 4.0993 28945
TRCN 000011 4428	NM_019513 .1-1038slcl	560 78	Car5b	0.142 72968 9	0.139 64100 8	0.102 70428 8	- - -	0.186 79127 5	0.044 08184 1	1.704 42446 1	- 2.4205 01023	- 4.5036 71708	- 0.7692 84661
TRCN 000006 7178	NM_008005 .1-453slcl	141 72	Fgf18	0.085 28902 9	0.138 32677 5	0.755 52600 5	- - -	0.185 03328 6	0.324 28030 1	1.704 42446 1	- 2.4341 43268	- 1.6246 86709	- 0.7692 84661
TRCN 000009 8849	NM_153122 .1-1678slcl	754 75	Oplah	0.075 67374 4	0.138 32677 5	0.967 23500 8	78.59 66786 1	0.185 03328 6	0.415 14819 8	133.9 62101 6	- 2.4341 43268	- 1.2683 0166	- 7.0656 81104
TRCN 000017 6158	NM_022979 .1-1758slcl	269 966	Nup98	0.064 60399 3	0.137 97152 9	0.102 70428 8	- - -	0.186 79127 5	0.044 08184 1	1.704 42446 1	- 2.4378 53113	- 1.2202 40027	- 0.7692 84661
TRCN 000003 0455	NM_177169 .2-2414slcl	320 477	UNK	0.120 58941 5	0.135 79340 6	88.61 47623 6	0.008 52596 1	0.181 64451 7	38.03 44575 9	0.014 53185 6	- 2.4608 10278	- 5.2492 35126	- 6.1046 37173
TRCN 000007 6556	NM_183405 .1-387slcl	333 182	Cox6b2	0.330 29487 1	0.135 79340 6	0.755 52600 5	- - -	0.181 64451 7	0.324 28030 1	1.704 42446 1	- 2.4608 10278	- 1.6246 86709	- 0.7692 84661
TRCN 000010 4695	NM_134094 .2-2330slcl	525 89	Ncald	0.067 92119 5	0.134 65505 7	2.120 85620 9	3.602 96537 9	0.180 12180 1	0.910 29545 6	6.140 98232 4	- 2.4729 55285	- 0.1355 93216	- 2.6184 6945
TRCN 000010 2387	NM_007968 .1-804slcl	140 30	Ewsr1	0.781 05083 4	0.134 4914 4	2.175 50771 4	1.424 53527 6	0.179 90288 5	0.933 7525 7	2.428 01277 9	- 2.4747 09775	- 0.0988 87894	- 1.2797 76009
TRCN 000010 1542	NM_133699 .1-1497slcl	687 75	Atp6v1 c2	0.521 86895 3	0.132 57180 8	0.607 10469 4	14.28 27429 9	0.177 33513 5	0.260 57619 7	24.34 38565 2	- 2.4954 49689	- 1.9402 22793	- 4.6054 8583
TRCN 000007 9035	NM_010279 .2-518slcl	145 85	Gfra1	0.285 26495 2	0.131 49428 2	19.21 39133 9	0.052 04561 8	0.175 89377 9	8.246 82879 5	0.088 70782 5	- 2.5072 23635	- 3.0438 39457	- 3.4947 94823
TRCN 000007 9363	NM_007513 .1-2127slcl	119 87	Slc7a1	0.087 88718 3	0.131 49428 2	- - -	46.28 20783 7	0.175 89377 9	0.429 21130 3	78.88 43064 6	- 2.5072 23635	- 1.2202 40027	- 6.3016 66409

TRCN 000009 8339	NM_139001 .1-6345slcl	121 021	Cspg4	0.064 50770 6	0.131 49428 2		37.82 94237 4	0.175 89377 9	0.429 21130 3	64.47 73951 6	- 2.5072 23635	- 1.2202 40027	6.0107 21556
TRCN 000008 9822	NM_027998 .2-610slcl	719 08	Cldn23	0.375 42205 5	0.131 18217 5	0.058 21040 6		0.175 47628 9	0.024 98456 4	1.704 42446 1	- 2.5106 51996	- 5.3228 19131	0.7692 84661
TRCN 000003 7317	NM_019912 .1-479slcl	565 50	Ube2d2	0.385 70586 1	0.128 72106 7	0.755 52600 5		0.172 18417 8	0.324 28030 1	1.704 42446 1	- 2.5379 75514	- 1.6246 86709	0.7692 84661
TRCN 000009 7255	XM_284495 .2-1212slcl	330 938	Dixdc1	0.238 78266 6	0.128 66478	4.102 61934 3	1.228 99959 8	0.172 10888 6	1.760 89059 3	2.094 73697 8	- 2.5386 06511	0.8163 05275	1.0667 69106
TRCN 000004 2640	NM_011808 .1-747slcl	238 71	Ets1	0.221 04363 6	0.128 47849 9	6.043 85293 3	0.265 35408 1	0.171 85969 5	2.594 08999 3	0.452 27598 7	- 2.5406 96858	- 1.3752 2853	- 1.1447 24694
TRCN 000010 0927	NM_019718 .2-562slcl	563 50	Arl3	50.16 04885 9	0.126 14796 3	0.435 30850 3	1.090 42479 1	0.168 74225 7	0.186 83933 6	1.858 54668 6	- 2.5671 06795	- 2.4201 29921	0.8941 74929
TRCN 000008 0417	NM_011454 .1-252slcl	207 08	Serpnb 6b	0.130 79953 6	0.125 59793			0.168 00650 3	0.429 21130 3	1.704 42446 1	- 2.5734 11018	- 1.2202 40027	0.7692 84661
TRCN 000008 5620	NM_177092 .2-397slcl	320 183	Msr3	0.334 42116 1	0.125 59793		9.452 65462 9	0.168 00650 3	0.429 21130 3	16.11 13357 7	- 2.5734 11018	- 1.2202 40027	4.0100 04206
TRCN 000012 0469	NM_007636 .1-1459slcl	124 61	Cct2	0.246 03377	0.125 59793	6.324 06699 1	1.208 30021 3	0.168 00650 3	2.714 36103 1	2.059 45643 9	- 2.5734 11018	- 1.4406 12623	1.0422 63611
TRCN 000007 7425	NM_134083 .2-1829slcl	105 670	Rc3hb2	0.861 27156 9	0.125 36700 5	3.669 25149 1	1.364 21792 9	0.167 69760 6	1.574 88421 2	2.325 20640 8	- 2.5760 66001	- 0.6552 45764	1.2173 58789
TRCN 000006 6596	NM_007573 .1-499slcl	122 61	C1qbp	0.464 85158 5	0.125 11741 9	1.042 22362	5.096 91354 5	0.167 36374 6	0.447 33415 7	8.687 30412 1	- 2.5789 41046	- 1.1605 75171	3.1189 08544
TRCN 000008 8759	NM_013787 .2-120slcl	274 01	Skp2	0.021 04229 5	0.124 40170 6	0.755 52600 5		0.166 40637 1	0.324 28030 1	1.704 42446 1	- 2.5872 1743	- 1.6246 86709	0.7692 84661
TRCN 000010 9667	NM_010217 .1-1239slcl	142 19	Ctgf	0.102 66270 9	0.124 40170 6	22.98 49713 5	0.092 40809 9	0.166 40637 4	9.865 40949 4	0.157 50262 5	- 2.5872 1743	- 3.3023 78936	2.6665 52223
TRCN 000012 4814	NM_053182 .2-2564slcl	942 12	Pag1	0.141 62277 5	0.124 40170 6	12.61 12301 9	0.096 07969 7	0.166 40637 7	5.412 88253 7	0.163 76058 6	- 2.5872 1743	- 2.4363 97081	2.6103 39928
TRCN 000017 5755	NM_026796 .1-1428slcl	226 830	Smyd2	0.122 27793 3	0.122 84370 4	6.884 49509 5	1.548 43261 1	0.164 32230 4	2.954 90310 8	2.639 18641 9	- 2.6053 9978	- 1.5631 10825	1.4000 93259
TRCN 000010 5876	NM_019653 .2-1099slcl	788 89	Wsb1	0.405 79404 3	0.122 34893 7	0.755 52600 5	1.603 76104 5	0.163 66047 7	0.324 28030 1	2.733 48955 4	- 2.6112 22132	- 1.6246 86709	1.4507 43862
TRCN 000011 2419	NM_008379 .2-1519slcl	162 11	Kpnb1	0.390 41333 3	0.120 80679 6	0.092 57691 3	1.027 76990 5	0.161 59762 7	0.039 73505 8	1.751 75616 7	- 2.6295 22083	- 4.6534 43756	0.8088 01975
TRCN 000008 6180	NM_009366 .1-290slcl	218 07	Tsc22d 1	0.412 49010 4	0.120 36281 5	6.895 08709 9	5.666 74905 2	0.161 00373 3	2.959 44931 6	9.658 54569 8	- 2.6348 33952	- 1.5653 28749	3.2718 05977
TRCN 000003 2387	NM_011872 .2-662slcl	239 93	Klk7	0.545 32415 4	0.120 20768 1	32.94 44019 5	0.396 88748 7	0.160 79621 9	14.14 01096 7	0.676 46474 1	- 2.6366 94615	- 3.8217 21405	0.5639 13356
TRCN 000007 7768	NM_007630 .1-1319slcl	124 42	Ccnb2	0.396 95183 8	0.120 20768 1			0.160 79621 9	0.429 21130 3	1.704 42446 1	- 2.6366 94615	- 1.2202 40027	0.7692 84661
TRCN 000006 8570	NM_011027 .1-610slcl	184 39	P2rx7	0.326 85274	0.119 55712	0.196 92934 5	11.15 65272 7	0.159 92599 3	0.084 52430 1	19.01 54579 8	- 2.6445 23653	- 3.5644 90011	4.2491 00781
TRCN 000004 2647	NM_013508 .1-945slcl	137 13	Elk3	0.138 25757 6	0.118 44014 5	4.777 99706 7	0.158 12609 2	0.158 43186 7	2.050 77034 5	0.269 51397 9	- 2.6580 65544	- 1.0361 65941	1.8915 67989
TRCN 000008 8244	NM_011817 .1-461slcl	238 82	Gadd45 g	0.146 45690 1	0.117 68241 1	9.406 42156 5	177.5 16552 6	0.157 41828 2	4.037 34245 3	302.5 63554 4	- 2.6673 24993	- 2.0134 05963	8.2410 94406

TRCN 000010 9343	NM_030732 .2-1140slc1	810 04	Tb11xr1	0.207 69002 1	0.117 68241 1	1.280 21405 2	0.781 11937 5	0.157 41828 2	0.549 48234 1	1.331 35896 9	- 2.6673 24993	- 0.8638 54978	0.4128 99612
TRCN 000008 0599	NM_019807 .2-390slc1	563 18	Acpp	1.821 97225 5	0.115 83763 8	0.381 98470 1		0.154 95061 5	0.163 95215 1	1.704 42446 1	- 2.6901 19611	- 2.6086 53265	0.7692 84661
TRCN 000001 2853	NM_009773 .1-3402slc1	122 36	Bub1b	0.148 34772 4	0.115 47805 6	0.507 42269 7	4.018 80522 5	0.154 46962 5	0.217 79155 7	6.849 74992 8	- 2.6946 04972	- 2.1989 8007	2.7760 51319
TRCN 000007 1683	NM_009861 .1-161slc1	125 40	Cdc42	0.366 09581 7	0.115 47805 6	14.86 83066 6	2.486 12759 9	0.154 46962 9	6.381 64527 2	4.237 41669 2	- 2.6946 04972	- 2.6739 28418	2.0831 85005
TRCN 000010 3357	NM_008185 .2-427slc1	148 71	Gstt1	1.671 86016 7	0.113 58901 6	5.707 04511 4	0.523 93467 6	0.151 94273 9	2.449 52826 8	0.893 00707 8	- 2.7184 00365	- 1.2925 0394	- 0.1632 56485
TRCN 000008 6041	NM_175009 .2-216slc1	223 527	Eny2	0.767 65752 2	0.113 02383 2	41.19 19456 3	0.018 34159 6	0.151 18671 8	17.68 00486 4	0.031 26186 4	- 2.7255 96692	- 4.1440 50339	- 4.9994 52387
TRCN 000008 0200	NM_026323 .1-251slc1	677 01	Wfdc2	0.169 24289 9	0.112 93733 5	10.24 70637 2	0.215 42972 2	0.151 07101 5	4.398 15556 8	0.367 18368 8	- 2.7267 0121	- 2.1368 98635	- 1.4454 26126
TRCN 000010 1521	NM_153389 .2-2769slc1	231 287	Atp10d	0.273 61485 1	0.112 93733 5	26.21 92646 9	0.061 16727 8	0.151 07101 5	11.25 36047 5	0.104 25500 4	- 2.7267 0121	- 3.4923 15294	- 3.2618 11459
TRCN 000012 4980	NM_009998 .4-322slc1	130 88	Cyp2b1 0	0.422 50563 1	0.112 93733 5	2.401 07026 1	0.416 48094 5	0.151 07101 5	1.030 56649 4	0.709 86030 2	- 2.7267 0121	- 0.0434 37594	- 0.4943 92959
TRCN 000018 0354	NM_139198 .1-381slc1	231 507	Plac8	0.011 03865 8	0.112 93733 5	74.97 65097 7	1.180 97457 2	0.151 07101 5	32.18 07654 3	2.012 88194 8	- 2.7267 0121	- 5.0081 26736	- 1.0092 62563
TRCN 000009 4891	NM_175164 .3-570slc1	713 02	Arhgap 26	0.240 34456 6	0.111 32682 6	2.449 19803 1	1.798 45945 9	0.148 91671 2	1.051 22347 7	3.065 33829 3	- 2.7474 22425	- 0.0720 69401	- 1.6160 463
TRCN 000002 9840	NM_007955 .2-2706slc1	139 24	Ptprv	0.013 57762 6	0.110 70545 6	50.87 81012 8	0.019 65482 2	0.148 08553 4	21.83 74561 3	0.033 50015 9	- 2.7554 97378	- 4.4487 329	- 4.8996 88265
TRCN 000017 4749	NM_018759 .1-2255slc1	543 67	Zfp326	0.182 60578 3	0.110 70545 6	1.280 21405 2	0.781 11937 5	0.148 08553 4	0.549 48234 1	1.331 35896 9	- 2.7554 97378	- 0.8638 54978	0.4128 99612
TRCN 000006 7580	NM_010549 .1-496slc1	161 57	I111ra1	0.461 58471 7	0.110 12325 6	3.296 27061 9	0.026 71808 9	0.147 30675 3	1.414 79660 2	0.045 53896 4	- 2.7631 04527	- 0.5005 94659	- 4.4567 54715
TRCN 000011 3373	NM_172751 .1-2083slc1	234 094	Arhgef1 0	0.406 50860 8	0.108 69215 3	2.721 53203 5	0.803 69357 4	0.145 39243 2	1.168 11231 7	1.369 83498 7	- 2.7819 75918	- 0.2241 78991	0.4540 02114
TRCN 000006 5796	NM_027562 .1-589slc1	708 09	Clec2g	0.312 14743 5	0.108 56008 1			0.145 21576 6	0.429 21130 3	1.704 42446 1	- 2.7837 30005	- 1.2202 40027	0.7692 84661
TRCN 000008 7087	NM_176848 .1-525slc1	230 904	Fbxo2	0.308 61634 6	0.108 54719 8	4.072 98904 6	5.412 31124 7	0.145 19853 4	1.748 17293 4	9.224 87567 8	- 2.7839 01212	- 0.8058 47907	3.2055 29468
TRCN 000010 9342	NM_030732 .2-1537slc1	810 04	Tb11xr1	0.053 25835 3	0.107 56309 8	15.45 14022 9	0.264 35066 8	0.143 88214 8	6.631 91650 5	0.450 56574 5	- 2.7970 40487	- 2.7294 25844	- 1.1501 9046
TRCN 000007 9366	NM_007513 .1-1640slc1	119 87	Slc7a1	0.270 36137 3	0.105 01952 8	4.566 28806 3	0.465 14750 8	0.140 47973 3	1.959 90244 8	0.792 80879 1	- 2.8315 6609	- 0.9707 81848	- 0.3349 55135
TRCN 000000 9566	NM_020266 .1-214slc1	568 12	Dnajb1 0	0.335 80317 3	0.103 55281 3	0.967 23500 8	0.781 11937 5	0.138 51777 7	0.415 14819 8	1.331 35896 9	- 2.8518 5695	- 1.2683 0166	0.4128 99612
TRCN 000011 2656	NM_198093 .2-686slc1	140 580	Elmo1	0.022 81118 6	0.102 59969 1	0.507 42269 7		0.137 24283 1	0.217 79155 7	1.704 42446 1	- 2.8651 97317	- 2.1989 8007	0.7692 84661
TRCN 000007 0611	NM_010055 .2-299slc1	133 93	Dlx3	0.538 32995 9	0.102 59544 9			0.137 23715 6	0.429 21130 3	1.704 42446 1	- 2.8652 56961	- 1.2202 40027	0.7692 84661
TRCN 000007 7167	NM_138599 .2-1205slc1	281 85	Tomm7 0a	0.048 59650 5	0.102 59544 9			0.137 23715 6	0.429 21130 3	1.704 42446 1	- 2.8652 56961	- 1.2202 40027	0.7692 84661

TRCN 000011 9810	NM_028779 .3-2152s1c1	109 674	Ampd2	0.060 67001	0.102 59544 9	23.13 69101 2	0.043 22098 3	0.137 23715 6	9.930 62333 2	0.073 66690 1	- 2.8652 56961	- 3.3118 84277	- 3.7628 39642
TRCN 000007 5564	NM_010688 .2-274s1c1	167 96	Lasp1	0.041 27306 3	0.100 75027 1	1	24.54 66807 5	0.134 76894 7	0.429 21130 3	41.83 79631	2.8914 39986	1.2202 40027	5.3867 4071
TRCN 000010 6394	NM_009433 .2-299s1c1	221 10	Tspyl1	0.132 11819 5	0.100 75027 1	1	1	0.134 76894 7	0.429 21130 3	1.704 42446 1	2.8914 39986	1.2202 40027	0.7692 84661
TRCN 000010 3431	NM_010357 .1-430s1c1	148 60	Gsta4	0.044 85923 8	0.100 71971 6	13.20 04309 6	0.025 75401 5	0.134 72807 5	5.665 77416 8	0.043 89577 3	2.8918 77581	2.5022 73098	4.5097 74161
TRCN 000008 4240	NM_033270 .1-762s1c1	504 96	E2f6	0.325 49266 6	0.099 38859 8	0.755 52600 5	1	0.132 9475	0.324 28030 1	1.704 42446 1	2.9110 71448	1.6246 86709	0.7692 84661
TRCN 000017 6045	NM_010700 .1-1457s1c1	168 35	Ldlr	0.066 39680 1	0.099 38859 8	9.647 30414 2	0.078 31472 9	0.132 9475	4.140 73197 8	0.133 48153 9	2.9110 71448	2.0498 85823	2.9052 8787
TRCN 000008 5748	NM_011443 .2-1665s1c1	206 74	Sox2	0.060 73661 4	0.098 97029 1	1.280 21405 2	166.3 16036 3	0.132 38795	0.549 48234 1	283.4 73120 5	2.9171 56282	0.8638 54978	8.1470 68132
TRCN 000012 5736	NM_027399 .1-834s1c1	703 58	Steap1	0.090 12720 4	0.098 38639 7	0.280 78607 4	0.781 11937 5	0.131 60690 3	0.120 51655 7	1.331 35896 9	2.9256 92935	3.0526 96737	0.4128 99612
TRCN 000012 0107	NM_028749 .1-1253s1c1	740 91	Npl	0.027 46537 6	0.098 07396 7	0.755 52600 5	1	0.131 18897 9	0.324 28030 1	1.704 42446 1	2.9302 81564	1.6246 86709	0.7692 84661
TRCN 000006 8375	NM_013885 .1-470s1c1	298 76	Clic4	0.085 16118 6	0.097 25211 3	6.884 49509 5	0.145 25393 5	0.130 08962 4	2.954 90310 8	0.247 57435 9	2.9424 22196	1.5631 10825	2.0140 6619
TRCN 000017 6118	NM_198161 .1-1209s1c1	702 37	Bhlhb9	1.140 88034 3	0.096 97998 1	0.306 27231 1	1	0.129 72560 5	0.131 45553 8	1.704 42446 1	2.9464 64826	2.9273 53177	0.7692 84661
TRCN 000011 2989	NM_001009 818.1- 1360s1c1	523 98	39335	0.065 11454 4	0.095 59257 5	28.18 07630 6	0.035 4852 7	0.127 86973 7	12.09 55020 2	0.060 48184 2	2.9672 53234	3.5963 98744	4.0473 5411
TRCN 000000 4694	NM_008562 .2-1049s1c1	172 10	Mcl1	0.163 99342 4	0.094 75269 6	14.05 64343 2	0.610 85345 3	0.126 74627 1	6.033 18048 4	1.041 15356 7	2.9799 84797	2.5929 18742	0.0581 82877
TRCN 000011 4347	NM_146094 .1-913s1c1	762 67	Fads1	0.556 94954 5	0.092 81211 5	11.13 22529 6	0.130 82251 8	0.124 15044 5	4.778 08879 3	0.222 9771	3.0098 38661	2.2564 33664	2.1650 32545
TRCN 000007 6185	NM_172015 .1-3309s1c1	105 148	Iars	0.024 26902 3	0.092 43780 4	1	1	0.123 64974 6	0.429 21130 3	1.704 42446 1	3.0156 68814	1.2202 40027	0.7692 84661
TRCN 000009 9164	NM_145595 .1-720s1c1	234 309	Cbr4	0.438 41764 8	0.092 08174	8.748 21629 1	0.912 77663 5	0.123 17345 6	3.754 83331 4	75882	3.0212 36704	1.9087 48863	0.6376 18429
TRCN 000008 8082	NM_011919 .3-880s1c1	263 56	Ing1	0.943 18386 2	0.091 99011 8	0.755 52600 5	1	0.123 05089 8	0.324 28030 1	1.704 42446 1	3.0226 7291	1.6246 86709	0.7692 84661
TRCN 000019 2322	NM_030249 .2-726s1c1	802 81	Cttnbp2 nl	0.444 61755 8	0.091 99011 8	0.755 52600 5	1	0.123 05089 8	0.324 28030 1	1.704 42446 1	3.0226 7291	1.6246 86709	0.7692 84661
TRCN 000009 9707	NM_020561 .1-560s1c1	573 19	Smpdl3 a	0.524 72080 5	0.090 93723 6	63.76 79476 8	0.015 68186	0.121 64250 7	27.36 99238 9	0.026 72854 5	3.0392 80634	4.7745 19518	5.2254 74884
TRCN 000012 0817	NM_178804 .2-5429s1c1	205 63	Slit2	0.063 91126 9	0.090 93723 6	1	1	0.121 64250 7	0.429 21130 3	1.704 42446 1	3.0392 80634	1.2202 40027	0.7692 84661
TRCN 000012 6608	NM_139311 .1-1271s1c1	246 198	Mllt6	0.251 2641	0.090 93723 6	1	1	0.121 64250 7	0.429 21130 3	1.704 42446 1	3.0392 80634	1.2202 40027	0.7692 84661
TRCN 000011 1944	NM_145973 .2-1116s1c1	269 344	Ell3	0.084 15839 3	0.090 76568 5	1.779 32728 7	0.244 95667 4	0.121 41303 2	0.763 70738 3	0.417 51014 8	3.0420 04817	0.3889 08124	1.2601 16832
TRCN 000018 9830	NM_153557 .1-439s1c1	227 622	BC0292 14	0.717 03704 7	0.090 71799 7	14.64 60072 5	0.019 02609 8	0.121 34924 1	6.286 23185	0.032 42854 6	3.0427 63013	2.6521 95483	4.9465 91845

TRCN 000007 6553	NM_183405 .1-243s1c1	333 182	Cox6b2	0.074 87392 6	0.089 48460 9			0.119 69939 6	0.429 21130 3	1.704 42446 1	- 3.0625 12227	- 1.2202 40027	0.7692 84661
TRCN 000019 1519	NM_145389 .1-661s1c1	212 998	BC0165 79	0.039 85436 1	0.089 48460 9	89.26 74264 3	0.011 20229 4	0.119 69939 6	38.31 45883 8	0.019 09346 5	- 3.0625 12227	- 5.2598 21902	- 5.7107 77267
TRCN 000009 0112	XM_129773 .7-1095s1c1	767 09	Arpc2	0.392 08153 5	0.088 68911 2	1.178 94401 1	51.32 73868	0.118 63529 7	0.506 01609 5	87.48 36535 7	- 3.0753 94789	- 0.9827 44822	6.4509 41568
TRCN 000002 8206	NM_022420 .1-1128s1c1	642 97	Gprc5b	0.135 68032 2	0.088 07766 1			0.117 81738 6	0.429 21130 3	1.704 42446 1	- 3.0853 75644	- 1.2202 40027	0.7692 84661
TRCN 000004 1975	NM_153133 .1-441s1c1	103 142	Rdh9	0.073 27073 5	0.088 07766 1			0.117 81738 6	0.429 21130 3	1.704 42446 1	- 3.0853 75644	- 1.2202 40027	0.7692 84661
TRCN 000009 7418	NM_009171 .2-1006s1c1	204 25	Shmt1	0.106 61952 7	0.088 07766 1	1.560 42810 4	0.640 84977 5	0.117 81738 6	0.669 75337 9	1.092 28003 3	- 3.0853 75644	- 0.5782 98139	0.1273 42774
TRCN 000018 0626	NM_026162 .2-1563s1c1	674 48	Plxdc2	0.924 52838 1	0.087 50059 1	9.373 13309 3	1.984 56114 9	0.117 04546 6	4.023 05466 5	3.382 53456 7	- 3.0948 59039	- 2.0082 91341	1.7581 04677
TRCN 000005 4449	NM_010431 .1-1072s1c1	152 51	Hif1a	1.041 14805 4	0.087 37769 4	0.607 10469 4		0.116 88106 7	0.260 57619 7	1.704 42446 1	- 3.0968 86835	- 1.9402 22793	0.7692 84661
TRCN 000009 0171	NM_172840 .2-1323s1c1	240 675	Vwa2	0.126 55761 4	0.086 61698 3	0.755 52600 5		0.115 86350 6	0.324 28030 1	1.704 42446 1	- 3.1095 01874	- 1.6246 86709	0.7692 84661
TRCN 000003 3142	NM_011156 .2-1948s1c1	190 72	Prep	0.155 87964 5	0.085 39244 4		10.05 64156 7	0.114 22549 7	0.429 21130 3	17.14 04008 6	- 3.1300 43374	- 1.2202 40027	4.0993 28945
TRCN 000010 0833	NM_024436 .1-431s1c1	193 34	Rab22a	0.767 65752 4	0.085 39244 4		1.603 76104 5	0.114 22549 7	0.429 21130 3	2.733 48955 4	- 3.1300 43374	- 1.2202 40027	1.4507 43862
TRCN 000006 8571	NM_011027 .1-1368s1c1	184 39	P2rx7	0.056 34303 3	0.084 63946 9	0.755 52600 5		0.113 21827 8	0.324 28030 1	1.704 42446 1	- 3.1428 21214	- 1.6246 86709	0.7692 84661
TRCN 000003 0757	NM_021522 .2-610s1c1	590 25	Usp14	0.152 46963 2	0.084 11031 2	41.07 06094 6	0.024 34831 2	0.112 51044 9	17.62 79697 9	0.041 49985 8	- 3.1518 69107	- 4.1397 94424	4.5907 4979
TRCN 000008 0038	NM_011593 .1-120s1c1	218 57	Timp1	0.499 37521 8	0.084 11031 2			0.112 51044 9	0.429 21130 3	1.704 42446 1	- 3.1518 69107	- 1.2202 40027	0.7692 84661
TRCN 000002 2725	NM_148945 .1-269s1c1	110 651	Rps6ka 3	0.218 83570 3	0.083 68419 1	1.178 94401 1	49.77 97062 8	0.111 94044 6	0.506 01609 5	84.84 57490 3	- 3.1591 96688	- 0.9827 44822	6.4067 70474
TRCN 000002 8815	NM_145358 .1-1043s1c1	207 565	Camkk 2	0.618 66086 2	0.083 55412 2	12.53 77546 7	0.075 90065 5	0.111 76645 9	5.381 34601 5	0.129 36693 3	- 3.1614 40794	- 2.4279 67074	2.9504 59193
TRCN 000006 6681	NM_010818 .2-573s1c1	174 70	Cd200	0.149 56818 5	0.083 14034 2	37.28 58043 1	0.449 73012 5	0.111 21296 5	16.00 34886 4	0.766 53101 9	- 3.1686 03105	- 4.0003 14531	0.3835 83921
TRCN 000000 9542	NM_019794 .1-212s1c1	564 45	Dnaja2	0.032 47217 5	0.082 86611 2	1.280 21405 2	35.20 86092 2	0.110 84614 2	0.549 48234 1	60.01 04147 8	- 3.1733 69565	- 0.8638 54978	5.9071 40996
TRCN 000002 5501	NM_008828 .1-1013s1c1	186 55	Pgk1	0.515 44155 4	0.082 01906 4	7.901 14513 6	0.064 22141 2	0.109 71308 3	3.391 26079 6	0.109 46054 5	- 3.1881 9252	- 1.7618 21735	3.1915 17144
TRCN 000008 0635	NM_008813 .2-1444s1c1	186 05	Enpp1	0.151 88117 7	0.081 83689 7	64.69 16449 9	0.011 67888 1	0.109 46940 7	27.76 63852 2	0.019 90577 2	- 3.1914 00354	- 4.7952 67466	5.6506 69514
TRCN 000002 6159	NM_008173 .1-1660s1c1	148 15	Nr3c1	0.157 78186 3	0.080 9435 5	0.755 52600 5		0.108 27435 1	0.324 28030 1	1.704 42446 1	- 3.2072 3657	- 1.6246 86709	0.7692 84661
TRCN 000006 7179	NM_008005 .1-393s1c1	141 72	Fgf18	0.116 21888 6	0.080 9435 5	0.755 52600 5		0.108 27435 1	0.324 28030 1	1.704 42446 1	- 3.2072 3657	- 1.6246 86709	0.7692 84661
TRCN 000019 4532	NM_177354 .2-2140s1c1	238 328	Vash1	0.383 93917 8	0.080 48496 7	9.966 84966 9	0.221 48644 4	0.107 66099 3	4.277 88453 3	0.377 50691 3	- 3.2154 32455	- 2.0968 97541	- 1.4054 25032

TRCN 000007 6764	NM_015729 .1-1551s1c1	114 30	Acox1	0.181 53903	0.079 34498 4	15.85 13447 6	0.063 08613	0.106 13609 1	6.803 57633 5	0.107 52554 3	- 12773	2.7662 93306	- 48672
TRCN 000012 0816	NM_028109 .2-1177s1c1	721 19	Tpx2	0.331 11331	0.079 34498 4	22.29 62679 6	0.044 85055 5	0.106 13609 1	9.569 81021 7	0.076 44438 4	- 12773	3.2584 90314	3.7094 4568
TRCN 000008 4578	NM_010751 .1-793s1c1	171 19	Mxd1	0.559 34963 2	0.078 99226 7	22.44 09145 6	0.015 14929 8	0.105 66427 8	9.631 89416 9	0.025 82083 4	- 40363	3.2678 19541	5.2753 20603
TRCN 000009 0328	NM_026473 .2-1375s1c1	679 51	Tubb6	0.032 88009 2	0.078 23684 3	0.077 1 1	11.86 76988 1	0.104 65378 3	0.429 21130 3	20.22 75961 4	- 03632	1.2202 40027	4.3382 52974
TRCN 000010 1260	NM_028450 .1-1854s1c1	706 76	Gulp1	0.127 26564 5	0.077 80018 8	0.777 22396 1	62.56 19573 1	0.104 06968 9	0.333 59330 9	106.6 32130 4	- 78155	1.5838 37744	6.7364 98406
TRCN 000006 7912	NM_010094 .2-692s1c1	135 90	Lefty1	1.059 23074 8	0.076 11089 7	0.076 1 1	3.415 04418 1	0.101 81000 4	0.429 21130 3	5.820 68483 4	- 48767	1.2202 40027	2.5411 88904
TRCN 000017 5362	NM_025455 .1-628s1c1	662 64	Ccdc28 b	0.436 89923 4	0.075 12383 3	0.356 73979 2	9.270 08947 3	0.100 48965 4	0.153 11675 1	15.80 01672 5	- 81113	2.7072 95974	3.9818 67925
TRCN 000007 9031	NM_175499 .2-2308s1c1	239 250	Slitrk6	0.166 51649 9	0.074 47258 7	0.306 27231 1	0.099 61851 1	0.131 45553 2	1.704 42446 8	1.704 42446 1	- 42325	2.9273 53177	0.7692 84661
TRCN 000011 9774	NM_007398 .2-153s1c1	114 86	Ada	0.081 68086 1	0.074 44213 8	0.755 52600 5	0.099 57778 1	0.324 28030 2	1.704 42446 1	1.704 42446 1	- 32302	1.6246 86709	0.7692 84661
TRCN 000007 6183	NM_172015 .1-4085s1c1	105 148	Iars	0.130 22228 6	0.074 09743 2	0.074 1 1	17.30 15482 1	0.099 11668 5	0.429 21130 3	29.48 91819 8	- 28246	1.2202 40027	4.8821 13898
TRCN 000007 5431	NM_008899 .1-847s1c1	189 92	Pou3f2	0.403 17425 4	0.074 05384 8	16.42 81964 8	0.036 95504 2	0.099 05838 5	7.051 16761 1	0.062 98707 8	- 77096	2.8178 62175	3.9888 00307
TRCN 000009 1774	NM_010615 .1-324s1c1	165 51	Kif11	0.428 77514 3	0.074 03486 7	0.435 85809 5	0.099 03299 1	0.187 07522 5	1.704 42446 1	1.704 42446 1	- 46918	2.4183 09618	0.7692 84661
TRCN 000011 9314	NM_001029 836.1-933s1c1	114 249	Npnt	1.807 58090 6	0.073 46425 6	6.731 39828 8	0.090 18998 3	0.098 26971 5	2.889 19222 8	0.153 72201 2	- 09316	1.5306 66195	2.7016 04326
TRCN 000007 9254	NM_023908 .1-724s1c1	108 116	Slco3a1	0.142 53351 8	0.072 21085 5	3.874 52835 4	1.495 67514 4	0.096 59309 8	1.662 99136 1	2.549 26530 1	- 36077	0.7337 80674	1.3500 81522
TRCN 000002 8761	NM_145358 .1-1214s1c1	207 565	Camkk 2	0.338 58184 9	0.072 18775 2	1.280 26.71 1	26.71 96391 1	0.096 56219 5	0.429 21130 3	1.704 42446 1	- 97726	1.2202 40027	0.7692 84661
TRCN 000011 4427	NM_019513 .1-1037s1c1	560 78	Car5b	0.048 90657 2	0.072 18775 2	1.280 21405 2	26.71 96391 2	0.096 56219 5	0.549 48234 1	45.54 16065 1	- 97726	0.8638 54978	5.5091 13279
TRCN 000008 8871	NM_031161 .1-390s1c1	124 24	Cck	0.548 62394 6	0.071 67707 3	0.381 98470 1	0.095 1 1	0.163 87908 4	0.163 95215 1	1.704 42446 1	- 40066	2.6086 53265	0.7692 84661
TRCN 000009 3123	NM_007681 .1-934s1c1	126 15	Cenpa	0.285 93375 8	0.070 68954 2	13.32 40164 3	0.319 02732 5	0.094 55810 9	5.718 81844 8	0.543 75797 7	- 55004	2.5157 17106	0.8789 63435
TRCN 000018 3864	NM_133905 .1-1081s1c1	100 715	Papd4	0.244 04036 2	0.069 55390 5	0.755 52600 5	0.093 03902 1	0.324 28030 1	1.704 42446 1	1.704 42446 1	- 20278	1.6246 86709	0.7692 84661
TRCN 000019 2252	NM_029036 .1-377s1c1	746 48	S100pb p	0.546 41131 6	0.068 64921 9	0.068 1 1	0.091 82886 1	0.429 21130 4	1.704 21130 3	1.704 42446 1	- 08488	1.2202 40027	0.7692 84661
TRCN 000007 1693	NM_007687 .2-323s1c1	126 31	Cfl1	0.925 06356 9	0.068 27300 9	0.755 52600 5	0.091 32562 1	0.324 28030 5	1.704 42446 1	1.704 42446 1	- 36468	1.6246 86709	0.7692 84661
TRCN 000012 4597	NM_019631 .2-1037s1c1	562 77	Tmem4 5a	0.032 17359 8	0.068 27300 9	33.14 70035 5	0.752 16017 7	0.091 32562 5	14.22 70685 5	1.282 00020 4	- 36468	3.8305 66524	0.3583 96491
TRCN 000007 6402	NM_018753 .3-476s1c1	544 01	Ywhab	0.248 99262 6	0.067 54847 6	23.91 34442 9	0.025 38758 9	0.090 35645 2	10.26 39205 4	0.043 27122 8	- 28571	3.3595 10001	4.5304 48133

TRCN 000010 2228	NM_008515 .1-993s1c1	169 78	Lrrfip1	0.829 28333 2	0.067 03843 7	0.967 23500 8	0.781 11937 5	0.089 67419 6	0.415 14819 8	1.331 35896 9	- 3.4791 63292	- 1.2683 0166	0.4128 99612
TRCN 000007 1444	NM_031166 .1-356s1c1	159 04	Id4	0.392 08153 5	0.067 00693 1			0.089 63205 2	0.429 21130 3	1.704 42446 1	- 3.4798 41471	- 1.2202 40027	0.7692 84661
TRCN 000008 1249	NM_080555 .1-1201s1c1	679 16	Ppap2b	1.203 14424	0.067 00693 1	9.126 20751 2	0.440 35873 8	0.089 63205 2	3.917 07141 5	0.750 55820 5	- 3.4798 41471	1.9697 75431	0.4139 6414
TRCN 000006 7931	NM_145741 .2-1017s1c1	145 60	Gdf10	0.125 13777 8	0.065 62678 2	0.947 34322 7	124.0 68371 2	0.087 78589 1	0.406 61042 1	211.4 65166 7	- 3.5098 67109	- 1.2982 80906	7.7242 76227
TRCN 000006 7942	NM_011198 .2-236s1c1	192 25	Ptgs2	0.262 35450 8	0.064 69856 5	29.12 45324 4	0.871 70543 4	0.086 54425 8	12.50 05785 1	1.485 75606 4	- 3.5304 18083	- 3.6439 22957	0.5711 97269
TRCN 000002 5680	NM_153533 .1-4143s1c1	209 039	Tenc1	0.579 89161 9	0.064 68572 6			0.086 52708 4	0.429 21130 3	1.704 42446 1	- 3.5307 04414	- 1.2202 40027	0.7692 84661
TRCN 000008 8929	NM_019952 .1-360s1c1	567 08	Clef1	0.952 10946 2	0.063 96176 4	1.787 10542 6	0.283 93551 3	0.085 55867 4	0.767 04584 8	0.483 94663 4	- 3.5469 42074	- 0.3826 15281	1.0470 80128
TRCN 000009 5261	NM_175170 .2-711s1c1	715 92	Pogk	0.139 45969 1	0.063 58883 1	0.755 52600 5	27.56 54859 8	0.085 05981 8	0.324 28030 1	46.98 32885 7	- 3.5553 78415	- 1.6246 86709	5.5540 75792
TRCN 000017 6401	NM_001013 391.1- 350s1c1	432 508	Cpsf6	0.244 08083 3	0.063 37314 4	0.777 22396 1	34.26 53903 2	0.084 77130 5	0.333 59330 9	58.40 27694 2	- 3.5602 80198	- 1.5838 37744	5.8679 64877
TRCN 000007 0384	NM_177263 .3-2910s1c1	320 799	Zhx3	0.386 99575 9	0.061 99381 9	0.755 52600 5	10.66 01767 2	0.082 92624 5	0.324 28030 1	18.16 94659 5	- 3.5920 27424	- 1.6246 86709	4.1834 44111
TRCN 000010 2386	NM_007968 .1-1137s1c1	140 30	Ewsr1	0.039 54914	0.061 99381 9	44.36 75806 8	0.017 02878 5	0.082 92624 5		0.029 19.04 30671	- 3.5920 27424	- 4.2511 93954	5.1065 96002
TRCN 000003 1991	NM_011119 .1-495s1c1	188 13	Pa2g4	0.178 92876 9	0.061 67869 7	19.15 01047 4	0.280 53135 5	0.082 50472 1	8.219 44140 3	0.478 14450 4	- 3.5993 79513	- 3.0390 40351	1.0644 81403
TRCN 000008 9052	NM_009704 .2-859s1c1	118 39	Areg	0.973 21814	0.061 46332 2	0.489 02218 2	55.01 62061 1	0.082 21662 5	0.209 89384 8	93.77 09674 4	- 3.6044 26048	- 2.2522 68216	6.5510 69412
TRCN 000011 4958	NM_009623 .1-2270s1c1	115 14	Adcy8	0.822 13779	0.061 07828 1	25.62 28349 8	0.408 41289 1	0.081 70157 3	10.99 76103 8	0.696 10892 2	- 3.6134 92333	- 3.4591 18176	0.5226 15029
TRCN 000009 6759	NM_183029 .1-3567s1c1	319 765	Igf2bp2	0.841 78513 5	0.060 46615 6	6.561 27902 2	0.092 52840 7	0.080 88276 1	2.816 17511 6	0.157 70768	- 3.6280 23938	- 1.4937 37047	2.6646 75179
TRCN 000008 0306	NM_008871 .1-381s1c1	187 87	Serpine 1	0.364 98040 7	0.060 07250 1	5.540 56342 3	6.262 16060 7	0.080 35618 7	2.378 07244 4	10.67 33797 2	- 3.6374 47074	- 1.2497 92665	3.4159 45171
TRCN 000002 7386	NM_009886 .1-2370s1c1	126 14	Celsr1	0.341 38743 6	0.059 21558 4		1.603 76104 5	0.079 20993	0.429 21130 3	2.733 48955 4	- 3.6581 74885	- 1.2202 40027	1.4507 43862
TRCN 000009 6640	NM_021878 .2-784s1c1	164 68	Jarid2	0.063 75590 4	0.059 03237 5	20.86 78813 1	0.036 20520 9	0.078 96486	8.956 73052 3	0.061 70904 4	- 3.6626 454	- 3.1629 72201	4.0183 74249
TRCN 000007 5601	XM_125814 .4-1116s1c1	114 774	Pawr	0.262 52076 4	0.058 9217 4	0.777 22396 1	44.16 91887 7	0.078 81681 6	0.333 59330 9	75.28 30457 4	- 3.6653 52728	- 1.5838 37744	6.2342 53092
TRCN 000004 1974	NM_153133 .1-603s1c1	103 142	Rdh9	0.116 56971	0.058 59618 7	76.37 75800 3	0.013 09284 7	0.078 38139 1	32.78 21206 2	0.022 31576 9	- 3.6733 45016	- 5.0348 37278	5.4857 92643
TRCN 000008 8171	NM_011232 .1-872s1c1	193 55	Rad1	0.724 31256 8	0.057 98961 3			0.077 57000 5	0.429 21130 3	1.704 42446 1	- 3.6883 57289	- 1.2202 40027	0.7692 84661
TRCN 000006 7181	NM_008005 .1-163s1c1	141 72	Fgf18	0.125 10005 7	0.056 81337 6			0.075 99660 8	0.429 21130 3	1.704 42446 1	- 3.7179 21168	- 1.2202 40027	0.7692 84661
TRCN 000008 0551	NM_012023 .1-1245s1c1	269 31	Ppp2r5c	0.667 16723 9	0.056 34096 9	57.70 52478 8	0.424 15031 1	0.075 36469 1	24.76 77446 1	0.722 93216 5	- 3.7299 67426	- 4.6303 90596	0.4680 67813

TRCN 000009 6138	NM_008667 .2-1584slcl	179 36	Nab1	0.275 61900 5	0.055 49755 3	34.84 06755 3	0.021 68517 1	0.074 23649 3	14.95 40117 3	0.036 96073 6	- 3.7517 27632	- 3.9024 60665	- 4.7578 62713
TRCN 000019 3290	NM_027338 .1-422slcl	701 60	Vps36	1.317 20505 2	0.055 49755 3	0.755 52600 5		0.074 23649 3	0.324 28030 1	1.704 42446 1	- 3.7517 27632	- 1.6246 86709	- 0.7692 84661
TRCN 000006 9710	NM_030601 .2-1916slcl	807 97	Clca2	0.417 20671 1	0.054 67901 7	0.755 52600 5		0.073 14157 5	0.324 28030 1	1.704 42446 1	- 3.7731 64499	- 1.6246 86709	- 0.7692 84661
TRCN 000002 2489	NM_023057 .1-299slcl	659 64	B23012 OH23Ri k	0.058 21650 2	0.054 59847 2	1.280 21405 2	64.92 00045 6	0.073 03383 2	0.549 48234 1	110.6 51243 8	- 3.7752 9126	- 0.8638 54978	- 6.7898 75858
TRCN 000010 1133	NM_008768 .1-375slcl	184 05	Orm1	0.565 97431 8	0.054 59847 1		5.830 08835 9	0.073 03383 2	0.429 21130 3	9.936 94520 8	- 3.7752 9126	- 1.2202 40027	- 3.3128 0241
TRCN 000010 5695	XM_194109 .2-4793slcl	789 08	Igsf3	0.076 09578 3	0.053 95806 2	0.649 60966 7	46.52 72360 2	0.072 17718 8	0.278 81981 1	79.30 21591 6	- 3.7923 13261	- 1.8425 95021	- 6.3092 88242
TRCN 000011 0520	NM_008662 .1-4432slcl	179 20	Myo6	1.001 77476 5	0.052 82840 5	0.381 98470 1	1.603 76104 5	0.070 66609 7	0.163 95215 1	2.733 48955 4	- 3.8228 37953	- 2.6086 53265	- 1.4507 43862
TRCN 000002 8194	NM_022420 .1-369slcl	642 97	Gprc5b	0.082 00722 1	0.052 73455 4	0.755 52600 5	1.603 76104 5	0.070 54055 8	0.324 28030 1	2.733 48955 4	- 3.8254 03193	- 1.6246 86709	- 1.4507 43862
TRCN 000004 1786	NM_029573 .2-324slcl	678 34	Idh3a	0.112 46171 9	0.052 54978 4	1.280 21405 2	44.64 07982 2	0.070 2934 2	0.549 48234 1	76.08 68684 3	- 3.8304 66961	- 0.8638 54978	- 6.2495 7558
TRCN 000017 3377	NM_028975 .2-366slcl	678 78	Tmem3 3	0.146 91034 8	0.052 36214 4	3.931 16105 4	12.37 59948 2	0.070 04239 7	1.687 29875 7	21.09 39483 1	- 3.8356 27726	- 0.7547 15443	- 4.3987 57255
TRCN 000017 8219	NM_053086 .1-1718slcl	707 69	Nolc1	0.578 11958 2	0.051 20512 4	2.355 85330 6	0.345 43099 6	0.068 49471 1	1.011 15886 7	0.588 76103 9	- 3.8678 63608	- 0.0160 09682	- 0.7642 4589
TRCN 000017 6009	NM_025449 .2-678slcl	662 57	Nicn1	0.253 19743 5	0.050 64928 2		2.207 52209 1	0.067 75118 7	0.429 21130 3	3.762 55464 8	- 3.8836 09975	- 1.2202 40027	- 1.9117 12536
TRCN 000009 7174	NM_027416 .1-722slcl	704 05	Calml3	0.292 13938 9	0.050 25683 5	0.607 10469 4		0.067 22622 8	0.260 57619 7	1.704 42446 1	- 3.8948 3199	- 1.9402 22793	- 0.7692 84661
TRCN 000011 1628	NM_177333 .2-717slcl	211 446	Exoc3	0.677 90148 2	0.050 14559 3	0.339 96409 8	11.86 76988 1	0.067 07742 6	0.145 91643 3	20.22 75961 4	- 3.8980 28868	- 2.7767 85724	- 4.3382 52974
TRCN 000006 7602	NM_009841 .2-909slcl	124 75	Cd14	0.114 25604 7	0.048 45860 5	46.11 44624 1	0.021 68517 1	0.064 82082 8	19.79 28484 8	0.036 96073 6	- 3.9473 98911	- 4.3069 07347	- 4.7578 62713
TRCN 000007 1126	NM_012012 .2-1561slcl	269 09	Exo1	0.487 67060 1	0.048 29322 1	0.507 42269 7		0.064 59959 3	0.217 79155 7	1.704 42446 1	- 3.9523 31108	- 2.1989 8007	- 0.7692 84661
TRCN 000010 5070	NM_207530 .2-2957slcl	642 91	Osbpl1a	0.069 96422 8	0.048 04301 5			0.064 26490 5	0.429 21130 3	1.704 42446 1	- 3.9598 25097	- 1.2202 40027	- 0.7692 84661
TRCN 000010 1748	NM_133995 .1-359slcl	103 149	Upb1	0.550 31971 8	0.047 66766 6	36.19 63521 6	0.437 21327 2	0.063 76281 8	15.53 58834 6	0.745 19699 6	- 3.9711 40802	- 3.9575 32379	- 0.4243 06237
TRCN 000020 0882	NM_153525 .2-481slcl	233 724	Tmem4 1b	0.072 65296 8	0.047 63449 3	111.1 24122 5	0.242 62711 2	0.063 71844 3	47.69 57293 7	0.413 53958 5	- 3.9721 45168	- 5.5757 88189	- 1.2739 02661
TRCN 000001 1922	NM_009255 .2-695slcl	207 20	Serpine 2	0.131 87961 1	0.047 34667 1	73.16 00051 2	1.562 85748 1	0.063 33343 7	31.40 11011 7	2.663 77252 1	- 3.9808 88812	- 4.9727 43244	- 1.4134 70885
TRCN 000003 0752	NM_016808 .1-595slcl	533 76	Usp2	0.947 30769 3	0.047 34667 1	0.755 52600 5	2.811 28313 5	0.063 33343 7	0.324 28030 1	4.791 61974 1	- 3.9808 88812	- 1.6246 86709	- 2.2605 13422
TRCN 000011 9818	NM_011069 .2-356slcl	186 32	Pex11b	0.255 14368 9	0.046 83794 2	24.81 81944 3	0.283 56657 7	0.062 65293 5	10.65 22495 6	0.483 31781 1	- 3.9964 74106	- 3.4130 86229	- 1.0489 55935
TRCN 000009 6136	NM_008667 .2-1140slcl	179 36	Nab1	0.059 92490 4	0.046 07610 4	0.507 42269 7		0.061 63385 9	0.217 79155 7	1.704 42446 1	- 4.0201 3306	- 2.1989 8007	- 0.7692 84661

TRCN 000007 1556	NM_021458 .1-419s1c1	143 65	Fzd3	0.090 26458 7	0.046 06759 3	97.95 40620 4	0.010 20886 7	0.061 62247 5	42.04 29905 7	0.017 40024 3	- 4.0203 99567	5.3937 93389	- 5.8447 48754
TRCN 000017 3657	NM_010417 .1-716s1c1	152 03	Heph	0.064 86227 5	0.045 69184 4	1 1	8.245 13253 9	0.061 11985 2	0.429 21130 3	14.05 32055 8	4.0322 15133	1.2202 40027	3.8128 27346
TRCN 000007 6184	NM_172015 .1-939s1c1	105 148	Iars	0.064 29415 3	0.045 59958 2	0.755 52600 5	1 1	0.060 99643 7	0.324 28030 1	1.704 42446 1	4.0351 31208	1.6246 86709	0.7692 84661
TRCN 000007 7146	NM_007868 .1-1236s1c1	134 05	Dmd	0.189 02593 8	0.045 15772 7	27.75 27943 3	1.477 51277 4	0.060 40538 9	11.91 18130 1	2.518 30891 4	4.0491 78937	3.5743 21107	1.3324 55265
TRCN 000002 4790	NM_029094 .1-466s1c1	747 69	Pik3cb	0.069 44079 4	0.044 95843 9	1 1	1 1	0.060 13881 3	0.429 21130 3	1.704 42446 1	4.0555 59862	1.2202 40027	0.7692 84661
TRCN 000007 7815	NM_009877 .1-169s1c1	125 78	Cdkn2a	1.047 38621 9	0.044 66198 2	0.607 10469 4	1 1	0.059 74225 4	0.260 57619 7	1.704 42446 1	4.0651 04517	1.9402 22793	0.7692 84661
TRCN 000006 7494	NM_013660 .2-2960s1c1	203 54	Sema4d	0.924 52838 8	0.044 23922 8	0.755 52600 5	16.09 40261 2	0.059 17675 5	0.324 28030 1	27.43 10518	4.0788 25595	1.6246 86709	4.7777 38036
TRCN 000007 5567	NM_010688 .2-249s1c1	167 96	Lasp1	0.123 70399 6	0.043 46129 2	40.55 68186 2	0.018 62882 8	0.058 13614 4	17.40 74449 5	0.031 75143	4.1044 20804	4.1216 32556	4.9770 34604
TRCN 000009 1777	NM_010615 .1-2508s1c1	165 51	Kif11	0.054 33378 4	0.043 22395 7	1 1	1 1	0.057 81867 4	0.429 21130 3	1.704 42446 1	4.1123 2066	1.2202 40027	0.7692 84661
TRCN 000001 2523	NM_010789 .1-2448s1c1	172 68	Meis1	0.657 12852 7	0.043 20802 2	0.755 52600 5	1 1	0.057 79735 9	0.324 28030 1	1.704 42446 1	4.1128 52616	1.6246 86709	0.7692 84661
TRCN 000009 0545	NM_134471 .2-1771s1c1	738 04	Kif2c	0.420 14644 4	0.043 18720 5	0.435 85809 5	110.8 84510 2	0.057 76951 2	0.187 07522 1	188.9 94271 5	4.1135 47893	2.4183 09618	7.5621 98696
TRCN 000008 1317	NM_181320 .2-934s1c1	706 86	Dusp16	0.343 0564 7	0.042 79763 7	55.55 56277 7	0.136 28649 6	0.057 24839 7	23.84 51033 7	0.232 29003 7	4.1266 20885	4.5756 21132	2.1060 00818
TRCN 000003 3249	NM_012006 .1-1226s1c1	268 97	Acot1	0.340 95993 3	0.042 24605 3	64.88 88038 9	0.015 41097 9	0.056 51057 8	27.85 10080 5	0.026 26685	4.1453 35237	4.7996 57641	5.2506 13006
TRCN 000005 4701	NM_009263 .1-593s1c1	207 50	Spp1	0.433 71489 5	0.042 22379 5	39.92 16916 1	0.018 9252 5	0.056 48080 5	17.13 48412 6	0.032 25657 4	4.1460 95543	4.0988 60921	4.9542 62969
TRCN 000008 8761	NM_013787 .2-340s1c1	274 01	Skp2	0.468 47113 1	0.042 01808 1	2.478 41662 6	0.244 95667 4	0.056 20563 7	1.063 76442 9	0.417 51014 8	4.1531 41529	0.0891 787	1.2601 16832
TRCN 000007 6421	NM_130452 .1-903s1c1	170 442	Bbox1	0.291 70800 6	0.041 82761 1	0.607 10469 4	43.26 32731 4	0.055 95084 7	0.260 57619 7	73.73 8981	4.1596 96209	1.9402 22793	6.2043 55575
TRCN 000017 9809	NM_028760 .1-2017s1c1	741 07	Cep55	0.162 69353 6	0.041 74830 7	24.46 69343 7	0.291 89298 7	0.055 84476 7	10.50 14847 7	0.497 50953 5	4.1624 34103	3.3925 21415	1.0072 03919
TRCN 000007 1504	NM_022410 .1-867s1c1	178 86	Myh9	15.13 27465 1	0.040 43550 1	1.808 62442 2	0.663 95006 2	0.054 08868 7	0.776 28204 4	1.131 65272 6	4.2085 29322	0.3653 47177	0.1784 31301
TRCN 000003 7354	NM_020012 .1-1674s1c1	567 36	Rnf14	0.472 91303 7	0.040 41724 5	1 1	1 1	0.054 06426 7	0.429 21130 3	1.704 42446 1	4.2091 80821	1.2202 40027	0.7692 84661
TRCN 000003 4428	XM_110671 .2-3820s1c1	214 162	Mill	0.320 94723 3	0.040 21438 5	36.34 31256 2	0.011 99286 2	0.053 79291 1	15.59 88802 8	0.020 44092 8	4.2164 40138	3.9633 70568	5.6123 95525
TRCN 000010 0208	NM_007487 .2-698s1c1	118 61	Arl4a	0.051 01187 8	0.040 12772 7	1.280 21405 2	0.781 11937 5	0.053 67699 2	0.549 48234 1	1.331 35896 9	4.2195 52363	0.8638 54978	0.4128 99612
TRCN 000003 2854	NM_133676 .1-1065s1c1	662 46	Osgep	1.645 28923 1	0.039 84232 7	1 1	1 1	0.053 29522 6	0.429 21130 3	1.704 42446 1	4.2298 49875	1.2202 40027	0.7692 84661
TRCN 000008 0815	NM_011851 .2-1497s1c1	239 59	Nt5e	0.321 87548 2	0.039 84232 7	1 1	1 1	0.053 29522 6	0.429 21130 3	1.704 42446 1	4.2298 49875	1.2202 40027	0.7692 84661

TRCN 000002 6186	NM_008173 .1-2283slcl	148 15		0.879 82734 2	0.039 52294	0.967 23500 8	1.252 72882 5	0.052 86799 7	0.415 14819 8	2.135 18165 1	- 4.2414 61524	- 1.2683 0166	1.0943 58813
TRCN 000007 5752	NM_180678 .2-1998slcl	353 172	Nr3c1 Gars	0.050 26572 6	0.037 44542 6			0.050 08900 4	0.429 21130 3	1.704 42446 1	- 4.3193 62279	- 1.2202 40027	0.7692 84661
TRCN 000012 7423	NM_026345 .2-596slcl	677 29		0.163 32925 5	0.037 44542 6	23.13 69101 2	3.722 63655 3	0.050 08900 4	9.930 62333 2	6.344 95279 9	- 4.3193 62279	3.3118 84277	2.6656 09432
TRCN 000010 6304	NM_030744 .2-660slcl	763 78		1.201 37179 7	0.037 33387 6	5.624 83308	0.296 51374 9	0.049 93978 8	2.414 24193 3	0.505 38528 7	- 4.3236 66506	- 1.2715 70257	0.9845 44431
TRCN 000007 0419	NM_018826 .2-671slcl	543 52		1.708 71323 6	0.036 96165 7	77.39 41851 9	0.009 76205 1	0.049 44188 8	33.21 84590 4	0.016 63867 9	- 4.3381 22351	- 5.0539 13245	5.9093 15293
TRCN 000008 8559	NM_030704 .1-840slcl	808 88		1.200 20936 3	0.036 81382 4	14.81 98971 6	0.147 59062	0.049 24413 8	6.360 86736 4	0.251 55706 3	- 4.3439 04198	2.6692 23504	1.9910 42399
TRCN 000008 5450	NM_008592 .1-831slcl	173 00		1.179 97860 8	0.036 67400 9	47.38 99029 8	0.028 28022 3	0.049 05711 5	20.34 02819 9	0.048 20150 4	- 4.3493 93803	4.3462 67775	4.3747 78033
TRCN 000011 4346	NM_146094 .1-1492slcl	762 67		0.393 97850 7	0.036 13852 5	12.07 75704 6	1.152 52153 9	0.048 34082 3	5.183 82974 8	1.964 38590 2	- 4.3706 14164	2.3740 18337	0.9740 78374
TRCN 000010 3307	NM_174995 .1-62slcl	211 666		1.820 81557 3	0.036 00153 3	3.241 71241 7	0.494 72650 2	0.048 15757 5	1.391 37960 9	0.843 22395 2	- 4.3760 93455	0.4765 16083	0.2460 12248
TRCN 000019 3222	NM_025449 .2-210slcl	662 57		0.842 69537 5	0.035 88824 1	0.755 52600 5		0.048 00602 9	0.324 28030 1	1.704 42446 1	- 4.3806 40601	- 1.6246 86709	0.7692 84661
TRCN 000002 8756	XM_181344 .3-735slcl	208 77		0.071 14076 8	0.034 88070 2	100.4 75988 5	0.009 95262 7	0.046 65829 1	43.12 54299 2	0.016 9635	- 4.4217 22737	5.4304 66934	5.8814 223
TRCN 000004 1422	NM_019826 .2-454slcl	563 57		0.251 94368 1	0.034 58699 7	0.557 99165 8	0.781 11937 5	0.046 26541 6	0.239 49632 6	1.331 35896 9	- 4.4339 22027	- 2.0619 24568	0.4128 99612
TRCN 000008 8133	NM_144516 .1-2836slcl	665 05		0.551 80693 5	0.034 55038 7	588.4 59719 1	0.001 28390 4	0.046 21644 4	252.5 73562 6	0.002 18831 8	- 4.4354 49927	- 7.9805 59827	8.8359 61875
TRCN 000001 2093	NM_013685 .1-3029slcl	214 13		0.663 22657 5	0.034 45167			0.046 08439 5	0.429 21130 3	1.704 42446 1	- 4.4395 7789	- 1.2202 40027	0.7692 84661
TRCN 000002 7106	NM_011281 .1-1597slcl	198 85		1.410 58564 6	0.033 82755 2			0.045 24954 2	0.429 21130 3	1.704 42446 1	- 4.4659 52999	- 1.2202 40027	0.7692 84661
TRCN 000009 9162	NM_145595 .1-331slcl	234 309		0.267 76589 9	0.033 76372 7	0.755 52600 5		0.045 16416 6	0.324 28030 1	1.704 42446 1	- 4.4686 77613	- 1.6246 86709	0.7692 84661
TRCN 000002 8851	NM_010195 .1-875slcl	141 60		0.174 85917 2	0.033 45900 3	0.755 52600 5	58.96 10603 1	0.044 75655 1	0.324 28030 1	100.4 94673 4	- 4.4817 57327	- 1.6246 86709	6.6509 75225
TRCN 000008 9971	NM_016674 .2-494slcl	127 37		0.469 51856 5	0.033 42388 7			0.044 70957 7	0.429 21130 3	1.704 42446 1	- 4.4832 72277	- 1.2202 40027	0.7692 84661
TRCN 000008 9578	NM_017379 .1-930slcl	538 57		0.183 06418 8	0.032 83613 5			0.043 92336 9	0.429 21130 3	1.704 42446 1	- 4.5088 67486	- 1.2202 40027	0.7692 84661
TRCN 000010 8508	NM_177152 .4-863slcl	320 398		0.096 21456 9	0.032 60443 1	0.649 60966 7	86.61 40392 6	0.043 61342 9	0.278 81981 1	147.6 27087 2	- 4.5190 83767	- 1.8425 95021	7.2058 13646
TRCN 000019 2261	NM_175127 .1-466slcl	679 48		0.957 62567 8	0.032 26869 6			0.043 16433 3	0.429 21130 3	1.704 42446 1	- 4.5340 16509	- 1.2202 40027	0.7692 84661
TRCN 000004 1408	NM_138665 .1-737slcl	192 166		0.098 17972 3	0.032 08388 3	539.2 91194 2	0.001 85428 6	0.042 91711 7	231.4 69876	0.003 16049	- 4.5423 03029	- 7.8546 8064	8.3056 36005
TRCN 000010 8914	NM_011715 .1-1622slcl	223 88		0.963 14189 5	0.032 08388 3			0.042 91711 7	0.429 21130 3	1.704 42446 1	- 4.5423 03029	- 1.2202 40027	0.7692 84661

TRCN 000004 1813	NM_008638 .1-1032s1c1	177 68	Mthfd2	0.052 78297 8	0.031 97224 4	0.607 10469 4	8.245 13253 9	0.042 76778 3	0.260 57619 7	14.05 32055 8	- 4.5473 31779	- 1.9402 22793	3.8128 27346
TRCN 000017 5158	NM_029083 .1-1379s1c1	747 47	Ddit4	0.124 38754 1	0.031 90862 7	0.381 98470 1		0.042 68268 5	0.163 95215 1	1.704 42446 1	- 4.5502 05258	- 2.6086 53265	0.7692 84661
TRCN 000004 1278	NM_011723 .1-3025s1c1	224 36	Xdh	0.142 95416 7	0.031 72053 6			0.042 43108 5	0.429 21130 3	1.704 42446 1	- 4.5587 34635	- 1.2202 40027	0.7692 84661
TRCN 000017 6771	NM_016854 .1-1122s1c1	534 12	Ppp1r3c	0.263 21951 3	0.031 13328 5	8.327 70604 6	0.060 93186 9	0.041 64554 7		0.103 85376 9	- 4.5856 93964	- 1.8376 79118	3.2673 74527
TRCN 000001 2123	NM_008720 .1-4121s1c1	181 45	Npc1	0.262 25776 6	0.030 65081 7	21.01 19737 9	0.025 94811 8	0.041 00017 1	9.018 57664 3	0.044 22660 7	- 4.6082 26271	- 3.1728 99758	4.4989 41619
TRCN 000003 3141	NM_011156 .2-165s1c1	190 72	Prep	0.164 99532 2	0.030 09521 6	22.72 26093 4	0.978 46722 1	0.040 25697 2	9.752 80075 4	1.667 72346 5	- 4.6346 17616	- 3.2858 16583	0.7378 80087
TRCN 000002 6700	NM_023209 .1-946s1c1	520 33	Pbk	0.148 34613 4	0.029 70561 8	91.36 69794 2	0.252 90567 2	0.039 73582 2	39.21 57402 5	0.431 05861 4	- 4.6534 15987	- 5.2933 60928	1.2140 4404
TRCN 000018 3083	NM_028760 .1-1146s1c1	741 07	Cep55	0.134 32123 6	0.029 70561 8	79.93 46932 2	0.500 22138 1	0.039 73582 2	34.30 88738 1	0.852 58955 7	- 4.6534 15987	- 5.1005 09865	0.2300 7671
TRCN 000011 4414	NM_023119 .1-738s1c1	138 06	Eno1	0.294 99302 3	0.029 51757 6	41.26 56093 9	0.014 71212 2	0.039 48428 8	17.71 16659 6	0.025 07570 1	- 4.6625 77525	- 4.1466 28013	5.3175 66145
TRCN 000009 1051	XM_144905 .5-1464s1c1	243 548	Prickle2	0.112 91990 8	0.028 93518 6			0.038 70525 1	0.429 21130 3	1.704 42446 1	- 4.6913 26876	- 1.2202 40027	0.7692 84661
TRCN 000006 6526	XM_133956 .3-140s1c1	213 002	Ifitm6	0.157 91156 4	0.028 34945 9		16.69 77871 7	0.037 92175 2	0.429 21130 3	28.46 01168 9	- 4.7208 30583	- 1.2202 40027	4.8308 69682
TRCN 000011 2920	NM_023063 .1-3060s1c1	659 70	Lima1	0.274 20006 6	0.028 33905 6	60.14 88479 7	1.295 92416 3	0.037 90783 6	25.81 65653 9	2.208 80484 2	- 4.7213 60095	- 4.6902 25174	1.1432 65956
TRCN 000011 0203	NM_177828 .2-693s1c1	328 967	9F08Ri k	0.176 75863 6	0.028 20671 4		4.622 56626 9	0.037 73080 8	0.429 21130 3	7.878 81502 1	- 4.7281 13189	- 1.2202 40027	2.9779 78664
TRCN 000008 0512	NM_011459 .2-1014s1c1	207 25	Serpina8	0.913 06413 6	0.027 70749 7	0.755 52600 5		0.037 06302 8	0.324 28030 1	1.704 42446 1	- 4.7538 75427	- 1.6246 86709	0.7692 84661
TRCN 000018 1365	NM_199467 .1-3069s1c1	212 377	F73004 7E07Ri k	0.111 00956 3	0.026 47380 3	43.31 23218 7	0.078 84694 3	0.035 41277 4	18.59 01380 9	0.134 38865 9	- 4.8195 86342	- 4.2164 65582	2.8955 16705
TRCN 000010 2005	XM_136734 .4-2025s1c1	211 484	Tsga10	7.031 64066 4	0.026 30483 8	0.435 85809 5		0.035 18675 8	0.187 07522 1	1.704 42446 1	- 4.8288 23616	- 2.4183 09618	0.7692 84661
TRCN 000001 2750	NM_011641 .1-654s1c1	220 61	Trp63	0.693 40066 9	0.026 30060 2	0.703 09714 3	65.16 25441 8	0.035 18109 1	0.301 77724 1	111.0 64634 2	- 4.8290 55969	- 1.7284 44089	6.7952 55689
TRCN 000010 5433	NM_015749 .1-672s1c1	214 52	Tcn2	0.087 78625 3	0.026 22592 3	85.34 44297 6	0.011 71722 6	0.035 08119 6	36.63 07938 5	0.019 97112 7	- 4.8331 5824	- 5.1949 85062	5.6459 40427
TRCN 000007 0819	NM_011546 .1-2785s1c1	214 17	Zfhx1a	3.174 75908 9	0.025 39373 9	1.280 21405 2	0.781 11937 5	0.033 96802 2	0.549 48234 1	1.331 35896 9	- 4.8796 78975	- 0.8638 54978	0.4128 99612
TRCN 000020 0645	NM_027954 .1-481s1c1	718 46	Syce2	0.646 93707 1	0.025 39373 9			0.033 96802 2	0.429 21130 3	1.704 42446 1	- 4.8796 78975	- 1.2202 40027	0.7692 84661
TRCN 000010 9665	NM_010217 .1-2079s1c1	142 19	Ctgf	0.170 56205 1	0.024 66577 5	15.57 51562 3	2.098 63242 6	0.032 99425 9	6.685 03309 6	3.576 96044 6	- 4.9216 41192	- 2.7409 34703	1.8387 34163
TRCN 000012 0812	NM_028109 .2-2779s1c1	721 19	Tpx2	0.137 76721 6	0.024 39834 8	2.681 28431 3		0.032 63653 4	1.150 83753 3	0.635 67464 8	- 4.9373 68337	- 0.2026 84178	0.6536 39544
TRCN 000005 4390	NM_010496 .2-428s1c1	159 02	Id2	0.544 38249 4	0.023 92947 4	0.607 10469 4		0.032 00934 3	0.260 57619 7	1.704 42446 1	- 4.9653 63132	- 1.9402 22793	0.7692 84661

TRCN 000011 4426	NM_019513 .1-248slcl	560 78	Car5b	0.662 59910 4	0.023 87164 7	5.836 54208 3	0.129 44753 8	0.031 93199	2.505 10983	0.220 63355 1	- 4.9688 53717	1.3248 73856	2.1802 75904
TRCN 000009 9265	NM_009121 .3-946slcl	202 29	Sat1	0.115 90908 6	0.023 57686 1	109.4 42838 2	0.009 13719	0.031 53767	41031 4	0.015 57365	4.9867 80128	5.5537 93712	6.0047 49078
TRCN 000010 4559	NM_028799 .1-1427slcl	741 76	Tgm5	0.462 65384 7	0.022 97611 3	42.62 65635 2	1.682 44997 3	0.030 73407 6	18.29 58028 6	2.867 60888 8	5.0240 17066	4.1934 4082	1.5198 48269
TRCN 000017 4517	NM_030131 .2-72slcl	984 17	Cnih4	0.233 46132 3	0.022 92641 9	10.81 72109 5	4.200 27085 2	0.030 66760 3	4.642 86920 1	7.159 04438 2	5.0271 40773	2.2150 16638	2.8397 67024
TRCN 000002 5500	NM_008828 .1-484slcl	186 55	Pgk1	0.311 00433 9	0.022 84206 8	0.755 52600 5	12.47 14598 5	0.030 55477 1	0.324 28030 1	21.25 66612 3	5.0324 58506	1.6246 86709	4.4098 43107
TRCN 000009 0745	NM_153103 .1-225slcl	165 62	Kif1c	0.092 23643 5	0.022 84206 8	11.12 92671 6	0.067 88641 1	0.030 55477 1	4.776 80725 7	0.115 70725 9	5.0324 58506	2.2560 46666	3.1114 48714
TRCN 000019 7649	NM_053086 .1-220slcl	707 69	Nolc1	3.037 79821 1	0.021 57883 7	34.62 56862 6	0.028 88029 4	0.028 86500 5	14.86 17359	0.049 22428	5.1145 34694	3.8935 30733	4.3444 86098
TRCN 000011 4491	NM_139305 .1-1409slcl	230 099	Car9	0.329 28384 6	0.020 80074 6	24.76 40405 4	0.379 75275 6	0.027 82419	10.62 90061	0.647 25988 7	5.1675 16513	3.4099 34794	0.6275 82998
TRCN 000002 9889	NM_008977 .1-928slcl	192 55	Ptpn2	0.219 30005 8	0.020 68943 6	26.66 98251 7	0.030 51331 4	0.027 67529 5	11.44 69904	0.052 00763 9	5.1752 57491	3.5168 96436	4.2651 32644
TRCN 000017 8772	NM_013655 .2-268slcl	203 15	Cxcl12	5.448 59225 3	0.019 58410 4	54.10 61948 3	0.013 96376 2	0.026 19674 3	23.22 29903 6	0.023 80017 7	5.2544 68708	4.5374 81851	5.3928 83899
TRCN 000002 3765	NM_152809 .1-424slcl	704 25	Csnk1g 3	0.387 15801 8	0.019 54595 2	1	1	0.026 14571	0.429 21130 3	1.704 42446 1	5.2572 81921	1.2202 40027	0.7692 84661
TRCN 000009 5698	NM_007970 .1-436slcl	140 55	Ezh1	12.35 64398 7	0.019 19159 2	77.40 75025 5	0.277 51112 7	0.025 67169 9	33.22 4175	0.472 99675 2	5.2836 77392	5.0541 61471	1.0800 97817
TRCN 000011 4412	NM_023119 .1-389slcl	138 06	Eno1	0.585 94934 0543	0.018 94934 1	0.507 42269 7	87.94 15904 7	0.025 34765 2	0.217 79155 7	149.8 89797 9	5.3020 04092	2.1989 8007	7.2277 58381
TRCN 000011 4321	NM_008750 .2-1509slcl	182 30	Nxn	0.299 26477 2	0.018 83776 2	24.25 52253 7	0.049 95555 2	0.025 19839 7	10.41 06168 8	0.085 14546 5	5.3105 2424	3.3799 83652	3.5539 26499
TRCN 000009 7685	NM_010128 .3-1580slcl	137 30	Emp1	0.676 63163 7	0.018 77382 2	1.046 52591	117.8 45950 9	0.025 11286 7	0.449 18074 9	200.8 59521 3	5.3154 29432	1.1546 31997	7.6500 4304
TRCN 000012 0470	NM_007636 .1-259slcl	124 61	Cct2	0.749 85899 3	0.018 45148 9	32.94 44019 5	0.030 35417 1	0.024 68169 8	14.14 01096 7	0.051 73639 1	5.3404 14565	3.8217 21405	4.2726 76771
TRCN 000003 0564	NM_019861 .1-863slcl	564 64	Ctsf	1.422 36494 5	0.018 44284 5	51.97 91058 3	0.605 05062 6	0.024 67013 6	22.31 00197 2	1.031 26308 6	5.3410 90543	4.4796 19884	0.0444 12427
TRCN 000005 5287	NM_009769 .2-1023slcl	122 24	Klf5	0.449 56674 5	0.018 32561 5	0.755 52600 5	45.67 83173 2	0.024 51332 3	0.324 28030 1	77.85 52413 7	5.3502 90149	1.6246 86709	6.2827 22263
TRCN 000009 9269	NM_009121 .3-437slcl	202 29	Sat1	0.412 68674 4	0.017 89315 7	36.88 17656 7	1.123 41900 5	0.023 93484 4	15.83 00706 9	1.914 78283 2	5.3847 43814	3.9845 95793	0.9371 80776
TRCN 000017 6542	NM_053078 .3-1574slcl	275 28	DOH4S 114	0.355 09881 7	0.017 12305	0.924 39234 7	162.4 53273 9	0.022 90470 7	0.396 75964 3	276.8 89333 8	5.4482 12077	1.3336 62806	8.1131 6567
TRCN 000001 1983	NM_019477 .2-2640slcl	507 90	Acsl4	0.178 6345	0.017 00119 8	36.66 76907 1	4.752 82470 2	0.022 74171 1	15.73 81873	8.100 83068	5.4585 15379	3.9761 97478	3.0180 69853
TRCN 000002 7611	NM_011121 .2-1484slcl	188 17	Plk1	0.792 68651 2	0.016 79219 2	1	1	0.022 46213 3	0.429 21130 3	1.704 42446 1	5.4763 61248	1.2202 40027	0.7692 84661
TRCN 000004 2456	NM_178902 .3-757slcl	102 103	Mtus1	0.420 98465 5	0.016 57863 2	0.590 99007 8	61.39 25937 5	0.022 17646 5	0.253 65962	104.6 39038 5	5.4948 26807	1.9790 34212	6.7092 77379

TRCN 000001 2263	NM_009807 .1-410s1c1	123 62	Casp1	0.352 63177 6	0.011 27196 3	164.0 91719 8	0.249 41650 2	0.015 07798 1	70.43 00208 1	0.425 11158 7	- 6.0514 12973	6.1381 18604	- 1.2340 86511
TRCN 000002 5144	NM_009288 .1-1620s1c1	208 68	Stk10	4.332 23603 4	0.011 01432 6	1.560 42810 4	141.8 66697 2	0.014 73335 1	0.669 75337 9	241.8 01068 9	- 6.0847 70583	- 0.5782 98139	- 7.9176 76812
TRCN 000001 1816	NM_021451 .1-397s1c1	588 01	Pmaip1	0.966 50272 4	0.010 83049 7	76.12 39311 7	2.071 48745 2	0.014 48745 2	32.67 32516 6	3.530 33170 7	- 6.1090 52341	5.0300 38135	1.8198 03744
TRCN 000010 3768	NM_030096 .1-743s1c1	783 94	Ddx52	4.265 90881 4	0.010 14427 4	0.947 34322 7	0.640 84977 5	0.013 56952 3	0.406 61042 1	1.092 28003 3	- 6.2034 86224	- 1.2982 80906	- 0.1273 42774
TRCN 000008 6921	XM_132895 .5-3568s1c1	232 400	BC0485 46	2.026 63816 1	0.009 97487 2	2.811 28313 5	0.013 34292 2	0.429 21130 3	4.791 61974 1	- 6.2277 81546	- 1.2202 40027	- 2.2605 13422	
TRCN 000007 1063	NM_009875 .2-678s1c1	125 76	Cdkn1b	1.770 98228 6	0.009 58448 9	0.755 52600 5	11.86 76988 1	0.012 82072 5	0.324 28030 1	20.22 75961 4	- 6.2853 78381	- 1.6246 86709	4.3382 52974
TRCN 000019 2080	NM_177150 .1-1602s1c1	320 394	Cenpt	0.397 42738 4	0.009 54746 4	20.86 78813 1	1.194 74783 5	0.012 77119 8	8.956 73052 3	2.036 35743 4	- 6.2909 62279	- 3.1629 72201	1.0259 90814
TRCN 000011 9764	NM_016702 .1-233s1c1	116 11	Agxt	6.167 79644 7	0.009 01356 9	0.967 23500 8	1.724 33827 5	0.012 05703 1	0.415 14819 8	2.939 00433 4	- 6.3739 81446	- 1.2683 0166	1.5553 27486
TRCN 000002 2547	NM_010717 .1-1414s1c1	168 85	Limk1	17.44 98310 9	0.008 33862 4	0.118 45019 1	28.16 92470 2	0.011 15418 9	0.050 84016 1	1.704 42446 1	- 6.4862 70512	- 4.2978 87594	0.7692 84661
TRCN 000003 0931	NM_133992 .1-1246s1c1	103 135	Usp52	3.196 61992 5	0.008 21873 8	28.16 92470 2	0.010 99382 3	0.429 21130 3	48.01 23536 6	- 6.5071 63084	- 1.2202 40027	- 5.5853 33756	
TRCN 000001 2692	NM_007614 .2-1174s1c1	123 87	Ctnnb1	0.780 07501 6	0.005 66649 4	4.362 56862 6	197.0 28007 9	0.007 57980 6	1.872 46376 3	335.8 19356 2	- 7.0436 23401	- 0.9049 37799	- 8.3915 41577

REFERENCES

- Abe, I., and Y. Fujiki. “cDNA Cloning and Characterization of a Constitutively Expressed Isoform of the Human Peroxin Pex11p.” *Biochemical and Biophysical Research Communications* 252.2 (1998): 529–533. *PubMed*. Web.
- Baes, M. et al. “A Mouse Model for Zellweger Syndrome.” *Nature Genetics* 17.1 (1997): 49–57. *PubMed*. Web.
- Bajaj, Jeevisha et al. “Notch Signaling in CD66+ Cells Drives the Progression of Human Cervical Cancers.” *Cancer Research* 71.14 (2011): 4888–4897. NCBI PubMed. Web.
- Ballister, Edward R. et al. “Optogenetic Control of Organelle Transport Using a Photocaged Chemical Inducer of Dimerization.” *Current biology: CB* 25.10 (2015): R407-408. *PubMed*. Web.
- Berger, Eric G, and J Roth. *The Golgi Apparatus*. Basel; Boston, Mass.: Birkhäuser Verlag, 1997. *Open WorldCat*. Web. 6 Sept. 2016.
- Bernerd, F., T. Magnaldo, and M. Darmon. “Delayed Onset of Epidermal Differentiation in Psoriasis.” *The Journal of Investigative Dermatology* 98.6 (1992): 902–910. Print.
- Beronja, Slobodan et al. “Rapid Functional Dissection of Genetic Networks via Tissue-Specific Transduction and RNAi in Mouse Embryos.” *Nature Medicine* 16.7 (2010): 821–827. *CrossRef*. Web.
- Bickenbach, J. R. et al. “A Transgenic Mouse Model That Recapitulates the Clinical Features of Both Neonatal and Adult Forms of the Skin Disease Epidermolytic Hyperkeratosis.” *Differentiation; Research in Biological Diversity* 61.2 (1996): 129–139. *PubMed*. Web.
- Blanpain, Cédric et al. “Canonical Notch Signaling Functions as a Commitment Switch in the Epidermal Lineage.” *Genes & Development* 20.21 (2006): 3022–3035. *PubMed*. Web.
- Blanpain, Cedric et al. “Self-Renewal, Multipotency, and the Existence of Two Cell Populations within an Epithelial Stem Cell Niche.” *Cell* 118.5 (2004): 635–648. *PubMed*. Web.

Bull, J. J. et al. "Ectopic Expression of c-Myc in the Skin Affects the Hair Growth Cycle and Causes an Enlargement of the Sebaceous Gland." *The British Journal of Dermatology* 152.6 (2005): 1125–1133. *PubMed*. Web.

Candi, E. et al. "Differential Roles of p63 Isoforms in Epidermal Development: Selective Genetic Complementation in p63 Null Mice." *Cell Death and Differentiation* 13.6 (2006): 1037–1047. *PubMed*. Web.

Cheng, J. et al. "The Genetic Basis of Epidermolytic Hyperkeratosis: A Disorder of Differentiation-Specific Epidermal Keratin Genes." *Cell* 70.5 (1992): 811–819. Print.

Clayton, Elizabeth et al. "A Single Type of Progenitor Cell Maintains Normal Epidermis." *Nature* 446.7132 (2007): 185–189. *PubMed*. Web.

Cordeiro, Daniela et al. "Golgi Complex Fragmentation in G2/M Transition: An Organelle-Based Cell-Cycle Checkpoint." *IUBMB Life* 64.8 (2012): 661–670. *CrossRef*. Web.

Delgehyr, Nathalie, James Sillibourne, and Michel Bornens. "Microtubule Nucleation and Anchoring at the Centrosome Are Independent Processes Linked by Ninein Function." *Journal of Cell Science* 118.Pt 8 (2005): 1565–1575. *PubMed*. Web.

Delille, Hannah K. et al. "Pex11 β -Mediated Growth and Division of Mammalian Peroxisomes Follows a Maturation Pathway." *Journal of Cell Science* 123.Pt 16 (2010): 2750–2762. *PubMed*. Web.

Donetti, Elena et al. "Etanercept Restores a Differentiated Keratinocyte Phenotype in Psoriatic Human Skin: A Morphological Study." *Experimental Dermatology* 21.7 (2012): 549–551. *CrossRef*. Web.

Ebberink, M. S. et al. "A Novel Defect of Peroxisome Division due to a Homozygous Non-Sense Mutation in the PEX11 Gene." *Journal of Medical Genetics* 49.5 (2012): 307–313. *CrossRef*. Web.

Ezhkova, Elena et al. “Ezh2 Orchestrates Gene Expression for the Stepwise Differentiation of Tissue-Specific Stem Cells.” *Cell* 136.6 (2009): 1122–1135. *CrossRef*. Web.

Faust, Phyllis L., and Mary E. Hatten. “Targeted Deletion of the PEX2 Peroxisome Assembly Gene in Mice Provides a Model for Zellweger Syndrome, a Human Neuronal Migration Disorder.” *The Journal of Cell Biology* 139.5 (1997): 1293–1305. *CrossRef*. Web.

Flesch, Peter. “Chemical Data on Human Epidermal Keratinization and Differentiation.” From the Department of Dermatology (Donald M. Pillsbury, M.D., Director), University of Pennsylvania School of Medicine, Philadelphia, Penna.” *Journal of Investigative Dermatology* 31.1 (1958): 63–73. *CrossRef*. Web.

Fuchs, E., and H. Green. “Changes in Keratin Gene Expression during Terminal Differentiation of the Keratinocyte.” *Cell* 19.4 (1980): 1033–1042. Print.

Fuchs, Elaine. “Scratching the Surface of Skin Development.” *Nature* 445.7130 (2007): 834–842. *CrossRef*. Web.

Gallini, Sara et al. “NuMA Phosphorylation by Aurora-A Orchestrates Spindle Orientation.” *Current Biology* 26.4 (2016): 458–469. *CrossRef*. Web.

Gentles, Andrew J et al. “Association of a Leukemic Stem Cell Gene Expression Signature with Clinical Outcomes in Acute Myeloid Leukemia.” *JAMA: The Journal of the American Medical Association* 304.24 (2010): 2706–2715. NCBI PubMed. Web.

Grabenbauer, M., H. D. Fahimi, and E. Baumgart. “Detection of Peroxisomal Proteins and Their mRNAs in Serial Sections of Fetal and Newborn Mouse Organs.” *Journal of Histochemistry & Cytochemistry* 49.2 (2001): 155–164. *CrossRef*. Web.

Guasch, Géraldine et al. “Loss of TGFbeta Signaling Destabilizes Homeostasis and Promotes Squamous Cell Carcinomas in Stratified Epithelia.” *Cancer cell* 12.4 (2007): 313–327. NCBI PubMed. Web.

Hamada, Takahiro et al. “How Do Keratinizing Disorders and Blistering Disorders Overlap?” *Experimental dermatology* (2012): n. pag. *NCBI PubMed*. Web.

Harris, Molly A et al. “Cancer Stem Cells Are Enriched in the Side Population Cells in a Mouse Model of Glioma.” *Cancer Research* 68.24 (2008): 10051–10059. *NCBI PubMed*. Web.

Herschkowitz, J. I. et al. “Breast Cancer Special Feature: Comparative Oncogenomics Identifies Breast Tumors Enriched in Functional Tumor-Initiating Cells.” *Proceedings of the National Academy of Sciences* (2011): n. pag. *CrossRef*. Web. 12 Sept. 2011.

Hoepfner, D. et al. “A Role for Vps1p, Actin, and the Myo2p Motor in Peroxisome Abundance and Inheritance in *Saccharomyces Cerevisiae*.” *The Journal of Cell Biology* 155.6 (2001): 979–990. *PubMed*. Web.

Hoepfner, Dominic et al. “A Role for Vps1p, Actin, and the Myo2p Motor in Peroxisome Abundance and Inheritance in *Saccharomyces Cerevisiae*.” *The Journal of Cell Biology* 155.6 (2001): 979–990. *CrossRef*. Web.

Hu, Y. et al. “IKKalpha Controls Formation of the Epidermis Independently of NF-kappaB.” *Nature* 410.6829 (2001): 710–714. *PubMed*. Web.

Huber, Anja et al. “A Subtle Interplay Between Three Pex11 Proteins Shapes De Novo Formation and Fission of Peroxisomes.” *Traffic* 13.1 (2012): 157–167. *CrossRef*. Web.

Imakado, S. et al. “Targeting Expression of a Dominant-Negative Retinoic Acid Receptor Mutant in the Epidermis of Transgenic Mice Results in Loss of Barrier Function.” *Genes & Development* 9.3 (1995): 317–329. Print.

Januschke, J. et al. “Centrobin Controls Mother–daughter Centriole Asymmetry in *Drosophila* Neuroblasts.” *Nature Cell Biology* 15.3 (2013): 241–248. *CrossRef*. Web.

Jones, P. H. “Isolation and Characterization of Human Epidermal Stem Cells.” *Clinical Science (London, England: 1979)* 91.2 (1996): 141–146. Print.

Jones, P. H., and F. M. Watt. "Separation of Human Epidermal Stem Cells from Transit Amplifying Cells on the Basis of Differences in Integrin Function and Expression." *Cell* 73.4 (1993): 713–724. Print.

Kandoth, Cyriac et al. "Mutational Landscape and Significance across 12 Major Cancer Types." *Nature* 502.7471 (2013): 333–339. *CrossRef*. Web.

Kempf, T. et al. "Isolation of Human NuMA Protein." *FEBS letters* 354.3 (1994): 307–310. Print.

Kobayashi, Shinta, Atsushi Tanaka, and Yukio Fujiki. "Fis1, DLP1, and Pex11p Coordinately Regulate Peroxisome Morphogenesis." *Experimental Cell Research* 313.8 (2007): 1675–1686. *PubMed*. Web.

Kotak, Sachin, and Pierre Gönczy. "NuMA Phosphorylation Dictates Dynein-Dependent Spindle Positioning." *Cell Cycle* 13.2 (2014): 177–178. *CrossRef*. Web.

Kotak, Sachin, Coralie Busso, and Pierre Gönczy. "NuMA Phosphorylation by CDK1 Couples Mitotic Progression with Cortical Dynein Function." *The EMBO Journal* 32.18 (2013): 2517–2529. *CrossRef*. Web.

Kretz, M. et al. "Suppression of Progenitor Differentiation Requires the Long Noncoding RNA ANCR." *Genes & Development* 26.4 (2012): 338–343. *CrossRef*. Web.

Lavker, R. M., and T. T. Sun. "Epidermal Stem Cells." *The Journal of Investigative Dermatology* 81.1 Suppl (1983): 121s–7s. Print.

Lechler, Terry, and Elaine Fuchs. "Asymmetric Cell Divisions Promote Stratification and Differentiation of Mammalian Skin." *Nature* 437.7056 (2005): 275–280. *NCBI PubMed*. Web.

Lechler, Terry, and Elaine Fuchs. "Desmoplakin: An Unexpected Regulator of Microtubule Organization in the Epidermis." *The Journal of Cell Biology* 176.2 (2007): 147–154. *PubMed*. Web.

Leung, Elaine Lai-Han et al. “Non-Small Cell Lung Cancer Cells Expressing CD44 Are Enriched for Stem Cell-Like Properties.” Ed. Dong-Yan Jin. *PLoS ONE* 5.11 (2010): e14062. CrossRef. Web.

Li, M. et al. “Skin Abnormalities Generated by Temporally Controlled RXRalpha Mutations in Mouse Epidermis.” *Nature* 407.6804 (2000): 633–636. *PubMed*. Web.

Li, X. “PEX11 Promotes Peroxisome Division Independently of Peroxisome Metabolism.” *The Journal of Cell Biology* 156.4 (2002): 643–651. *CrossRef*. Web.

Li, Xiaoling et al. “PEX11 Beta Deficiency Is Lethal and Impairs Neuronal Migration but Does Not Abrogate Peroxisome Function.” *Molecular and Cellular Biology* 22.12 (2002): 4358–4365. Print.

Li, Xiaoling, and Stephen J. Gould. “PEX11 Promotes Peroxisome Division Independently of Peroxisome Metabolism.” *The Journal of Cell Biology* 156.4 (2002): 643–651. *PubMed*. Web.

Li, Xiaoling, and Stephen J. Gould. “The Dynamin-like GTPase DLP1 Is Essential for Peroxisome Division and Is Recruited to Peroxisomes in Part by PEX11.” *The Journal of Biological Chemistry* 278.19 (2003): 17012–17020. *PubMed*. Web.

Lin, Wei-Ming et al. “Expression of CD176 (Thomsen-Friedenreich Antigen) on Lung, Breast and Liver Cancer-Initiating Cells.” *International Journal of Experimental Pathology* 92.2 (2011): 97–105. *NCBI PubMed*. Web.

Lo Muzio, Lorenzo et al. “p63 Overexpression Associates with Poor Prognosis in Head and Neck Squamous Cell Carcinoma.” *Human pathology* 36.2 (2005): 187–194. *NCBI PubMed*. Web.

Mackenzie, I. C. “Retroviral Transduction of Murine Epidermal Stem Cells Demonstrates Clonal Units of Epidermal Structure.” *The Journal of Investigative Dermatology* 109.3 (1997): 377–383. Print.

Mackenzie, I. C., and J. R. Bickenbach. "Label-Retaining Keratinocytes and Langerhans Cells in Mouse Epithelia." *Cell and Tissue Research* 242.3 (1985): 551–556. Print.

Maitra, Arindam et al. "Mutational Landscape of Gingivo-Buccal Oral Squamous Cell Carcinoma Reveals New Recurrently-Mutated Genes and Molecular Subgroups." *Nature Communications* 4 (2013): n. pag. *CrossRef*. Web. 4 Jan. 2017.

Mascreé, Guilhem et al. "Distinct Contribution of Stem and Progenitor Cells to Epidermal Maintenance." *Nature* 489.7415 (2012): 257–262. *PubMed*. Web.

Maxwell, M. et al. "Pex13 Inactivation in the Mouse Disrupts Peroxisome Biogenesis and Leads to a Zellweger Syndrome Phenotype." *Molecular and Cellular Biology* 23.16 (2003): 5947–5957. *CrossRef*. Web.

Mercurio, Arthur M. "Invasive Skin Carcinoma--Ras and alpha6beta4 Integrin Lead the Way." *Cancer cell* 3.3 (2003): 201–202. Print.

Merlos-Suárez, Anna et al. "The Intestinal Stem Cell Signature Identifies Colorectal Cancer Stem Cells and Predicts Disease Relapse." *Cell Stem Cell* 8.5 (2011): 511–524. *NCBI PubMed*. Web.

Mirza, Haris et al. "Mutations Affecting Keratin 10 Surface-Exposed Residues Highlight the Structural Basis of Phenotypic Variation in Epidermolytic Ichthyosis." *The Journal of Investigative Dermatology* 135.12 (2015): 3041–3050. *PubMed*. Web.

Nagotu, Shirisha et al. "Peroxisome Proliferation in *Hansenula Polymorpha* Requires Dnm1p Which Mediates Fission but Not de Novo Formation." *Biochimica Et Biophysica Acta* 1783.5 (2008): 760–769. *PubMed*. Web.

Nguyen, T. "Failure of Microtubule-Mediated Peroxisome Division and Trafficking in Disorders with Reduced Peroxisome Abundance." *Journal of Cell Science* 119.4 (2006): 636–645. *CrossRef*. Web.

Oh, H. S., and R. C. Smart. "Expression of CCAAT/Enhancer Binding Proteins (C/EBP) Is Associated with Squamous Differentiation in Epidermis and Isolated Primary Keratinocytes and Is Altered in Skin Neoplasms." *The Journal of Investigative Dermatology* 110.6 (1998): 939–945. *PubMed*. Web.

Orth, Travis et al. "The PEROXIN11 Protein Family Controls Peroxisome Proliferation in Arabidopsis." *The Plant Cell* 19.1 (2007): 333–350. *PubMed*. Web.

Palmer, Colin N. A. et al. "Common Loss-of-Function Variants of the Epidermal Barrier Protein Filaggrin Are a Major Predisposing Factor for Atopic Dermatitis." *Nature Genetics* 38.4 (2006): 441–446. *PubMed*. Web.

Park, G. T. "Suprabasin, a Novel Epidermal Differentiation Marker and Potential Cornified Envelope Precursor." *Journal of Biological Chemistry* 277.47 (2002): 45195–45202. *CrossRef*. Web.

Persico, A. et al. "Golgi Partitioning Controls Mitotic Entry through Aurora-A Kinase." *Molecular Biology of the Cell* 21.21 (2010): 3708–3721. *CrossRef*. Web.

Pickering, Curtis R. et al. "Mutational Landscape of Aggressive Cutaneous Squamous Cell Carcinoma." *Clinical Cancer Research: An Official Journal of the American Association for Cancer Research* 20.24 (2014): 6582–6592. *PubMed*. Web.

Poll-The, Bwee Tien et al. "Peroxisome Biogenesis Disorders with Prolonged Survival: Phenotypic Expression in a Cohort of 31 Patients." *American Journal of Medical Genetics. Part A* 126A.4 (2004): 333–338. *PubMed*. Web.

Prat, Aleix et al. "Phenotypic and Molecular Characterization of the Claudin-Low Intrinsic Subtype of Breast Cancer." *Breast Cancer Research: BCR* 12.5 (2010): R68. *NCBI PubMed*. Web.

Rangarajan, A. et al. "Notch Signaling Is a Direct Determinant of Keratinocyte Growth Arrest and Entry into Differentiation." *The EMBO journal* 20.13 (2001): 3427–3436. *PubMed*. Web.

Reichrath, J, and Sandra Reichrath. *Notch Signaling in Embryology and Cancer*. New York; Austin, Tex.: Springer Science+Business Media ; Landes Bioscience, 2012. *Open WorldCat*. Web. 6 Sept. 2016.

Rheinwald, J. G., and H. Green. “Serial Cultivation of Strains of Human Epidermal Keratinocytes: The Formation of Keratinizing Colonies from Single Cells.” *Cell* 6.3 (1975): 331–343. Print.

Richardson, Rebecca J. et al. “Periderm Prevents Pathological Epithelial Adhesions during Embryogenesis.” *Journal of Clinical Investigation* 124.9 (2014): 3891–3900. *CrossRef*. Web.

Rohn, Jennifer L. et al. “Myo19 Ensures Symmetric Partitioning of Mitochondria and Coupling of Mitochondrial Segregation to Cell Division.” *Current Biology* 24.21 (2014): 2598–2605. *CrossRef*. Web.

Romano, R.-A. et al. “Np63 Knockout Mice Reveal Its Indispensable Role as a Master Regulator of Epithelial Development and Differentiation.” *Development* 139.4 (2012): 772–782. *CrossRef*. Web.

Schrader, M. et al. “Interaction of Microtubules with Peroxisomes. Tubular and Spherical Peroxisomes in HepG2 Cells and Their Alterations Induced by Microtubule-Active Drugs.” *European Journal of Cell Biology* 69.1 (1996): 24–35. Print.

Schrader, M., N. A. Bonekamp, and M. Islinger. “Fission and Proliferation of Peroxisomes.” *Biochimica Et Biophysica Acta* 1822.9 (2012): 1343–1357. *PubMed*. Web.

Schramek, Daniel et al. “Direct in Vivo RNAi Screen Unveils Myosin IIa as a Tumor Suppressor of Squamous Cell Carcinomas.” *Science (New York, N.Y.)* 343.6168 (2014): 309–313. *PubMed*. Web.

Segre, J. A., C. Bauer, and E. Fuchs. “Klf4 Is a Transcription Factor Required for Establishing the Barrier Function of the Skin.” *Nature Genetics* 22.4 (1999): 356–360. *PubMed*. Web.

Selby, C. C. “An Electron Microscope Study of the Epidermis of Mammalian Skin in Thin Sections. I. Dermo-Epidermal Junction and Basal Cell Layer.” *The Journal of Biophysical and Biochemical Cytology* 1.5 (1955): 429–444. Print.

Seldin, Lindsey et al. “NuMA Localization, Stability, and Function in Spindle Orientation Involve 4.1 and Cdk1 Interactions.” *Molecular Biology of the Cell* 24.23 (2013): 3651–3662. *PubMed*. Web.

Shima, D. T. et al. “An Ordered Inheritance Strategy for the Golgi Apparatus: Visualization of Mitotic Disassembly Reveals a Role for the Mitotic Spindle.” *The Journal of Cell Biology* 141.4 (1998): 955–966. Print.

Smith, D. S., U. Järlfors, and M. L. Cayer. “Structural Cross-Bridges between Microtubules and Mitochondria in Central Axons of an Insect (*Periplaneta Americana*).” *Journal of Cell Science* 27 (1977): 255–272. Print.

Stefansson, Ingunn M, Helga B Salvesen, and Lars A Akslen. “Loss of p63 and Cytokeratin 5/6 Expression Is Associated with More Aggressive Tumors in Endometrial Carcinoma Patients.” *International journal of cancer. Journal international du cancer* 118.5 (2006): 1227–1233. *NCBI PubMed*. Web.

Smith, Jennifer J., and John D. Aitchison. “Peroxisomes Take Shape.” *Nature Reviews Molecular Cell Biology* 14.12 (2013): 803–817. *CrossRef*. Web.

Steinberg, Steven J. et al. “Peroxisome Biogenesis Disorders, Zellweger Syndrome Spectrum.” *GeneReviews*(®). Ed. Roberta A. Pagon et al. Seattle (WA): University of Washington, Seattle, 1993. *PubMed*. Web. 6 Sept. 2016.

Stransky, Nicolas et al. “The Mutational Landscape of Head and Neck Squamous Cell Carcinoma.” *Science (New York, N.Y.)* 333.6046 (2011): 1157–1160. *PubMed*. Web.

Sun, T. T., and H. Green. “Differentiation of the Epidermal Keratinocyte in Cell Culture: Formation of the Cornified Envelope.” *Cell* 9.4 Pt 1 (1976): 511–521. Print.

Tam, Y. Y. C. “Pex11-Related Proteins in Peroxisome Dynamics: A Role for the Novel Peroxin Pex27p in Controlling Peroxisome Size and Number in *Saccharomyces Cerevisiae*.” *Molecular Biology of the Cell* 14.10 (2003): 4089–4102. *CrossRef*. Web.

Thoms, S., and J. Gartner. “First PEX11 Patient Extends Spectrum of Peroxisomal Biogenesis Disorder Phenotypes.” *Journal of Medical Genetics* 49.5 (2012): 314–316. *CrossRef*. Web.

Titorenko, V. I., H. Chan, and R. A. Rachubinski. “Fusion of Small Peroxisomal Vesicles in Vitro Reconstructs an Early Step in the in Vivo Multistep Peroxisome Assembly Pathway of *Yarrowia Lipolytica*.” *The Journal of Cell Biology* 148.1 (2000): 29–44. Print.

van Bergeijk, Petra et al. “Optogenetic Control of Organelle Transport and Positioning.” *Nature* 518.7537 (2015): 111–114. *PubMed*. Web.

Waikel, R. L., X. J. Wang, and D. R. Roop. “Targeted Expression of c-Myc in the Epidermis Alters Normal Proliferation, Differentiation and UV-B Induced Apoptosis.” *Oncogene* 18.34 (1999): 4870–4878. *PubMed*. Web.

Wang, X. J. et al. “TGF Alpha and v-Fos Cooperation in Transgenic Mouse Epidermis Induces Aberrant Keratinocyte Differentiation and Stable, Autonomous Papillomas.” *Oncogene* 10.2 (1995): 279–289. Print.

Wang, Xuan et al. “AP-2 Factors Act in Concert with Notch to Orchestrate Terminal Differentiation in Skin Epidermis.” *The Journal of Cell Biology* 183.1 (2008): 37–48. *PubMed*. Web.

Watt, Fiona M, Michaela Frye, and Salvador Aznar Benitah. “MYC in Mammalian Epidermis: How Can an Oncogene Stimulate Differentiation?” *Nature reviews. Cancer* 8.3 (2008): 234–242. *NCBI PubMed*. Web.

Watt, Fiona M. “Role of Integrins in Regulating Epidermal Adhesion, Growth and Differentiation.” *The EMBO journal* 21.15 (2002): 3919–3926. *PubMed*. Web.

Williams, Scott E., Lyndsay A. Ratliff, et al. “Par3–mInsc and Gai3 Cooperate to Promote Oriented Epidermal Cell Divisions through LGN.” *Nature Cell Biology* 16.8 (2014): 758–769. *CrossRef*. Web.

Williams, Scott E., Slobodan Beronja, et al. “Asymmetric Cell Divisions Promote Notch-Dependent Epidermal Differentiation.” *Nature* 470.7334 (2011): 353–358. *CrossRef*. Web.

Yamamoto, K., and H. D. Fahimi. “Three-Dimensional Reconstruction of a Peroxisomal Reticulum in Regenerating Rat Liver: Evidence of Interconnections between Heterogeneous Segments.” *The Journal of Cell Biology* 105.2 (1987): 713–722. Print.

Yang, Hanseul et al. “ETS Family Transcriptional Regulators Drive Chromatin Dynamics and Malignancy in Squamous Cell Carcinomas.” *eLife* 4 (2015): e10870. *PubMed*. Web.

Yi, Rui et al. “A Skin microRNA Promotes Differentiation by Repressing ‘Stemness.’” *Nature* 452.7184 (2008): 225–229. *NCBI PubMed*. Web.

Yuspa, S. H. et al. “Modulation of Terminal Differentiation and Responses to Tumor Promoters by Retinoids in Mouse Epidermal Cell Cultures.” *Annals of the New York Academy of Sciences* 359 (1981): 260–273. Print.

Zanet, Jennifer et al. “A Mitosis Block Links Active Cell Cycle with Human Epidermal Differentiation and Results in Endoreplication.” *PloS one* 5.12 (2010): e15701. *NCBI PubMed*. Web.

Zhu, Jinwei et al. “LGN/mInsc and LGN/NuMA Complex Structures Suggest Distinct Functions in Asymmetric Cell Division for the Par3/mInsc/LGN and Gai/LGN/NuMA Pathways.” *Molecular Cell* 43.3 (2011): 418–431. *PubMed*. Web.