

Molecular control of axonal sprouting after stroke: an age-related sprouting transcriptome in cortical neurons. Li S, Overman JJ, Katsman D, Koslov SV, Connolly CJ, Twiss JL, Giger RJ, Coppola G, Geschwind DH, Carmichael ST.

## **Supplementary Discussion**

### **Methodology of cell labeling for gene expression profiling**

To label neurons that sprout a new cortical connection after stroke we modified a technique originally developed to study the intracortical connections in development<sup>15,16</sup>. This approach utilizes the same tracer, cholera toxin b subunit (CTb), but conjugated to different fluorophores, to label and then serve as the targeting signal for laser capture microdissection of sprouting neurons. An advantage of this approach is that it provides a close molecular control for microarray comparison: neurons that have formed a new connection after stroke are compared to adjacent cortical neurons that are from the same animal, same brain region and have been exposed to the same stroke, but have not elaborated a new projection within the forelimb cortex injection site. This allows subtraction of genes that may be generally induced by stroke (heat shock or cell stress response elements) or serve a functional role in specific cortical or laminar neuronal subtypes<sup>17-19</sup>. This technique labels the same number of total cells in all cases, so that there is no difference in tracer uptake or labeling by stroke or age (Supplementary Fig. 13). For laser capture microdissection in each case 300 or more cells were laser captured from each animal in each category.

Laser capture microdissection cannot isolate exactly the labeled cell, and invariably captures small amounts of tissue adjacent to the cell body (Fig. 1), likely relating to astrocyte or microglial cells that also respond to stroke and border neurons. However, this has turned out to be an advantage in that major differences in the gene expression profile of axonal sprouting between young and aged adult relate to cytokine or chemokine gene systems that likely indicate a distinction in the inflammatory process around sprouting neurons as a function of age (Table 2). The CTb tracers were injected into rat forelimb sensorimotor cortex. This area was selected because it is in the peri-infarct region bordering the stroke, but is sufficiently separated from the stroke so that the tracer would not be injected into the infarct cavity. This peri-infarct region is in a distance from the stroke site that corresponds to a location of increased axonal growth cone proteins after stroke<sup>20,21</sup> and in a direct demonstration of post-stroke axonal sprouting in rodents<sup>22</sup> and where axonal sprouting is observed in the nature of axonal trajectories in primates<sup>23</sup>.

In these studies, rats were used for the sequential tracer injection to label sprouting neurons for laser capture microdissection, and then mice were used for the mechanistic studies on ATRX, IGF1 and Lingo1/NgR1 in axonal sprouting. This is because the larger brain size of the rat facilitates the precise injection approach of the paired CTb injections, in which the second injection, CTb-647, must be placed exactly within the first injection (CTb-488), at 2/3 the volume (Fig. 1). However, the studies to use gain and loss of function to determine the mechanistic roles of specific genes in post-stroke axonal sprouting took advantage of transgenic lines that are not available in rats.

Sprouting neurons activate a unique sprouting transcriptome that includes both novel and established growth-associated genes. Most of the transcriptional change after stroke occurs early in the sprouting process. We chose day 7 as an early time point in the process of post-stroke axonal sprouting based on earlier work in stroke studies<sup>24</sup> and based on the time course of axonal sprouting in entorhinal cortex, in retinal ganglion cells and in the peripheral nervous system after injury<sup>25-27</sup>.

### **Molecular pathway analysis and aged sprouting transcriptome**

The differentially regulated genes at  $p < 0.005$  and expression change  $> \pm 0.2$  (log2) for aged and young adult sprouting neurons were analyzed for molecular relationships using a large curated database (Ingenuity). This analysis identifies several key signaling cascades that are active in sprouting neurons and are distinct in young vs. aged adult. The transcriptional profile of axonal sprouting activates large networks of interconnected molecules that form signaling systems from cell surface receptors to nuclear transcription factors (Supplementary Fig. 2). Young adult sprouting neurons activate a signaling network that progresses from NGF to Jnk and Stat1 activation, and involves PPAR $\gamma$  nuclear signaling. PDGF $\alpha$  is also induced in or near young adult sprouting neurons and is linked to a molecular sprouting pathway that involves APP, MAPK and GSK3b signaling (Supplementary Fig. 2). Stroke downregulates FGF and TGF $\beta$  signaling and this is linked to signaling pathways through APP, Ras and RhoA/Rac to the transcription factors ATF2, RPA1 and Egr2 and activation of an NF $\kappa$ -B inhibitor. Similar genes are also differentially expressed in growth cones, by proteomic screening<sup>28</sup>. In contrast, genes regulated in aged sprouting neurons at day 7 form pathways that involve osteopontin, IGF1 and BMP signaling and downregulation of Pou1F1; and that link chemokine signaling to Jak1 induction and Egr1

downregulation (Table 1, Supplementary Fig. 2). Post-stroke sprouting neurons from aged animals differentially upregulate the bone morphogenic proteins BMP1, GDF10 and the BMP-associated transcription factor ONECUT2. Several BMPs promote dendritic sprouting, provide a target-derived signal to strengthen synaptic connections and signal through a SMAD-independent mechanism to promote axonal extension<sup>29,30</sup>. Most of these data relate to the effect of BMPs 2 and 7 on neuronal function with little data is available on the molecules differentially upregulated in aged sprouting neurons, or on the age-related changes in BMP signaling in the brain. These are the first data to report changes in BMP signaling systems with age and associated with cortical plasticity.

If the gene sets that are regulated in young adult sprouting neurons, but not aged; and aged sprouting neurons but not young adult, are analyzed for molecular pathways that are distinct to the sprouting response in each age group, young adult neurons distinctly activate molecular pathways that have as a node at APP, PDGF and MAPK signaling. In contrast, aged sprouting neurons activate pathways related to IGF1, osteopontin and chemokine signaling (CCL3, CCL4, CXCL2) (Supplementary Fig. 2). This increased activation of chemokines in the aged sprouting neuron data set may localize to microglia that are captured as closely adjacent to sprouting neurons. The immune response is accelerated in the aged brain after stroke<sup>31</sup> and this data suggests that an aspect of this immune response localizes uniquely to the immediate environment of peri-infarct sprouting neurons in the aged brain.

### **Axonal sprouting in cortical motor connections**

Axonal sprouting occurs in peri-infarct cortex in rodents and primates<sup>22,23</sup> in the region that recovers function after stroke<sup>32</sup>. To definitively establish that a candidate molecular system plays a role in axonal sprouting in peri-infarct cortex it is necessary to directly identify the cortical connections in conditions of gain or loss of function in the molecular system, and to statistically compare these connections to establish whether new or altered connection patterns have formed. A problem in performing such a statistical comparison of cortical connections across experimental conditions is that axonal sprouting normally occurs after stroke in a small subpopulation of all cortical connections of a given region (Supplementary Fig. 13), and these “sprouted” connections are not morphologically or molecularly distinct from neighboring, non-sprouted connections in a way that would allow their selective isolation<sup>22,23</sup>. To definitively identify the pattern of cortical connections that correspond to axonal sprouting we utilized a technique to quantitatively map the connections of the forelimb motor cortex in control, stroke, and stroke plus gain or loss of function in ATRX, IGF1, Lingo1/NgR1 and NgR2 conditions. In this technique a small injection of the tracer BDA is placed in forelimb motor cortex 21 days after stroke, a time period in which axonal sprouting after stroke has been identified<sup>22</sup>. Seven days later the cortex is isolated, flattened, cut tangentially and stained for the location of axons (BDA label) (Supplementary Fig. 11c,e) and the mouse somatosensory body map (cytochrome oxidase) (Fig. 3c,f) in the same sections. The position of all labeled axons is plotted in  $x/y$  coordinates relative to the injection site, registered to the mouse somatosensory cortex and aligned with all brains of the same treatment condition to provide a composite map for forelimb motor cortex connections by treatment group. Each map is then statistically compared across treatment group: control, stroke, stroke + gain/loss of function using two statistical tests. Further, the location of significantly different axonal projections is localized to functional areas of the

mouse cortex by comparison to the aligned somatosensory body map. The location and volume of the injections did not differ across animals or treatment groups (Supplementary Figs. 6,7). The overall axon number projecting from the BDA injection site also did not significantly differ across individual animals or treatment groups, except in conditions in which the axonal connections were deliberately induced after stroke, with growth inhibitor blockade (Lingo1 and NgR1) (Supplementary Fig. 11) or growth-promoting gene knockdown (ATRX) (Fig. 4b). In this method, axonal sprouting is defined as the presence of a statistically significant new motor cortex projection between experimental groups.

This quantitative connectional mapping of the forelimb motor cortex projections indicates that stroke induces axonal sprouting in peri-infarct cortex. Small tracer injections into the motor cortex label axonal projections to motor, premotor and first and second somatosensory cortex in the normal (non-stroke animal) (Fig.3d), consistent with previous reports of mouse motor system cortical connections<sup>33</sup>. Comparing these motor system projections between control (non-stroke) and stroke indicates that connections in stroke are more widespread (Fig. 3d,e) and there is an overall increase in axonal number in this peri-infarct axonal sprouting (Supplementary Fig. 11a). When these connectional maps are registered to the mouse somatosensory body map, the axonal projections induced in peri-infarct cortex are located in motor, premotor and lateral somatosensory areas (Fig. 3g). This pattern of post-stroke axonal sprouting is experimentally robust, as it can be seen in the control experiment in a comparison of stroke + scrambled sequence siRNA to normal (non-stroke) control (see light blue label that shows post-stroke connections in Fig. 4e); and the pattern of post-stroke axonal sprouting does not differ between normal C57Bl/6 mice with stroke, and a C57Bl6 with the NgR2 knockout with stroke

(Supplementary Fig. 12d). In this comparison, the NgR2 knockout did not influence post-stroke axonal sprouting.

ATRX functions to induce post-stroke axonal sprouting and Lingo1/NgR1 signaling normally restricts post-axonal sprouting. When ATRX expression is knocked down the motor system the projection pattern after stroke is not significantly different than normal (non-stroke) control (Fig. 4c,d). ATRX is a SWI2/SNF2 DNA helicase/ATPase that plays a role in chromatin remodeling. Loss of ATRX function leads to neuronal cell death during brain development, and altered neuronal precursor migration<sup>34</sup>, and in humans produces a mental retardation syndrome<sup>1</sup>. ATRX also interacts with MECP2 and may have a function in methylation-dependent epigenetic DNA expression<sup>35</sup>. ATRX expression remains strong in the adult brain (Fig. 2b-d, Supplementary Fig. 3i) but a role for ATRX in the adult has not been determined. The present data indicate that ATRX is induced in both young adult and aged sprouting neurons after stroke and mediates one aspect of tissue reorganization in this disease. Interestingly, knockdown of ATRX not only blocked post-stroke axonal sprouting, but also reduced the number of labeled axons below that seen in the normal brain with forelimb motor cortex BDA injections. This suggests that ATRX may function to maintain axonal connections in the un-manipulated or un-lesioned brain. Further study is needed to test this idea.

Functional blockade of Lingo1 signaling with a receptor chimera (Lingo1-Fc) or blockade of a co-receptor in this Nogo signaling complex, Nogo Receptor 1 (NgR1) also blocks post-stroke axonal sprouting (Fig. 6). This axonal sprouting effect is seen as an increase in the pattern of motor cortex projections into premotor and far lateral somatosensory areas (SII). The NgR

signaling system has been implicated in stroke-induced axonal sprouting in projections from neurons in the hemisphere opposite the stroke into the cervical spinal cord<sup>4</sup>. This data indicates that the NgR1 receptor complex normally confines axonal plasticity in the cortex adjacent to the stroke site. The effect of NgR1 signaling is enhanced in the aged brain, with an upregulation of Lingo1 precisely in the neurons that would be expected to participate in the most substantial axonal plasticity in peri-infarct cortex after stroke. Future studies will need to determine whether the paradoxical upregulation of Lingo1 axonal growth inhibition in the aged animals limits functional recovery.

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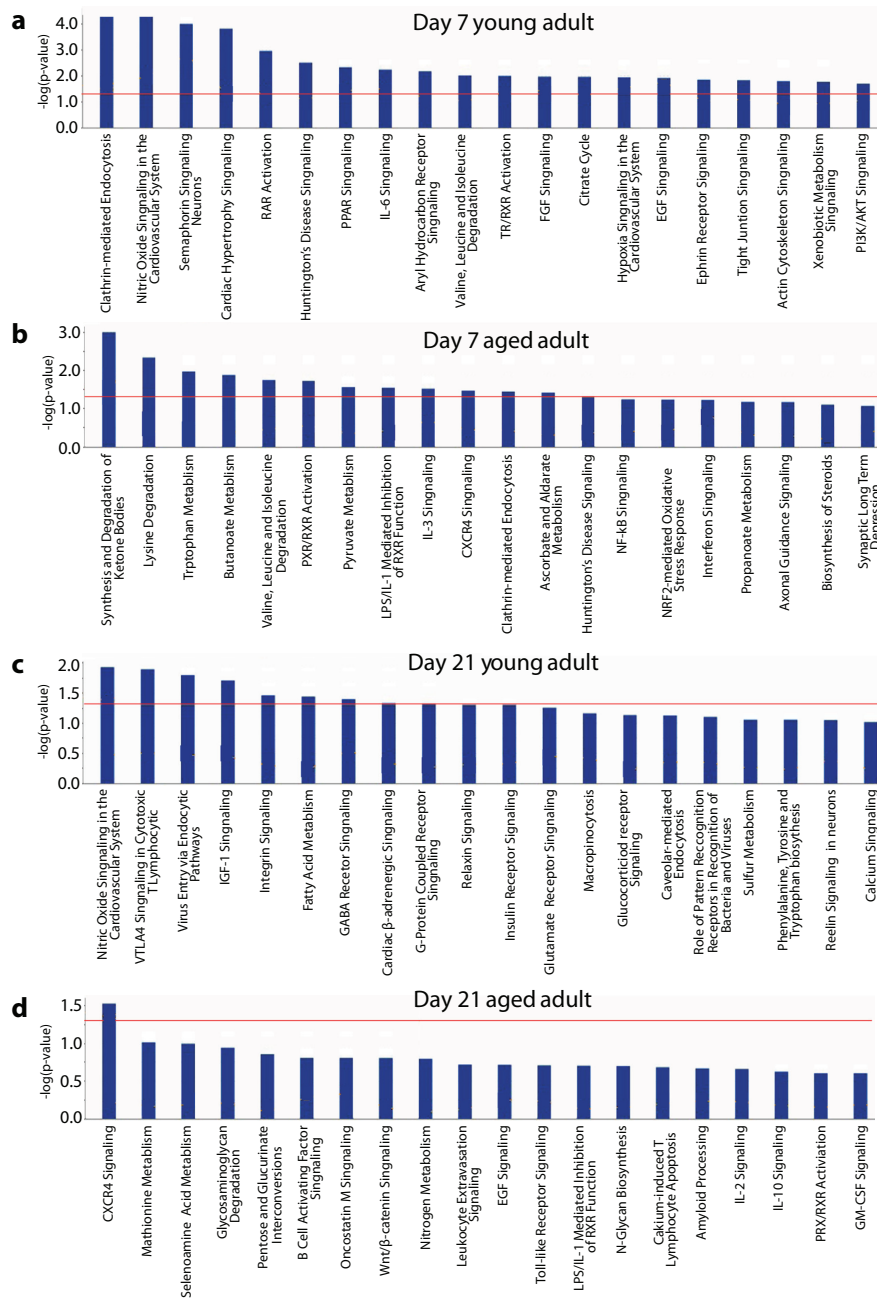
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## Supplementary Figure 1

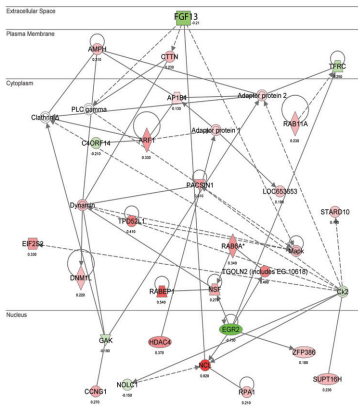


### Figure S1. Functional grouping of differentially expressed genes by stroke in sprouting neurons.

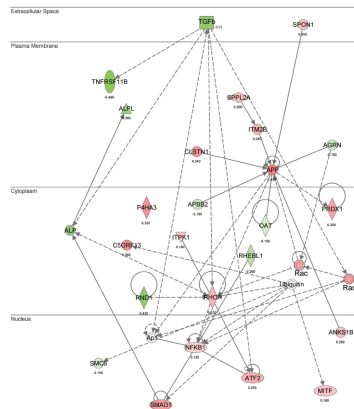
The genes differentially expressed in aged and young adult sprouting neurons at  $p < 0.005$  level and  $\log_2 > |0.2|$  were tested for their association in canonical cell signaling pathways. In this analysis, genes were tested for significant association in specific cell functional or signaling pathways versus random chance association in a total curated database of gene interactions of over 23,900 human, rat, and mouse genes by right-tailed Fisher's exact test (Ingenuity Systems). Significance was assessed by testing the number of genes that were regulated by sprouting neurons in a specific pathway versus total number of genes in this database for that pathway. The red line in the left graph indicates the threshold for a significant association, the  $-\log(0.05)$ .

# Supplementary Figure 2

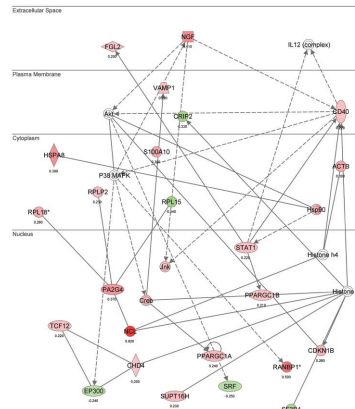
## Regulated in young adult day 7



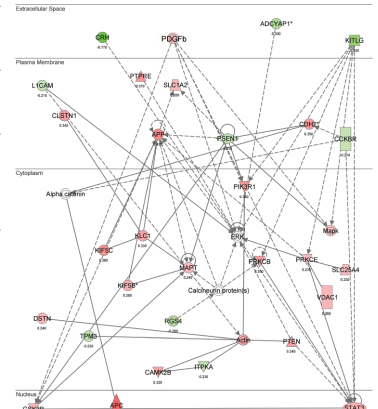
Network 1



Network 2

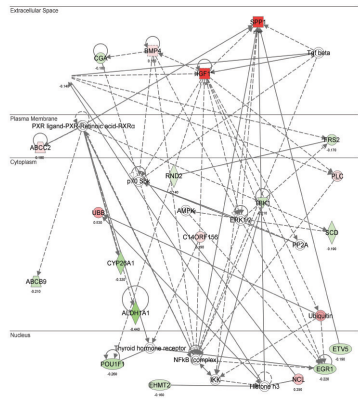


Network 3

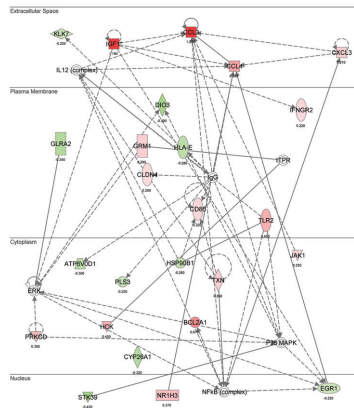


Network 4

## Regulated in aged adult day 7

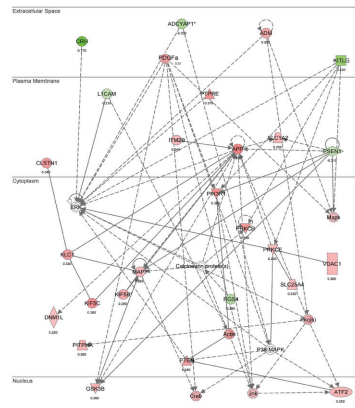


Network 5



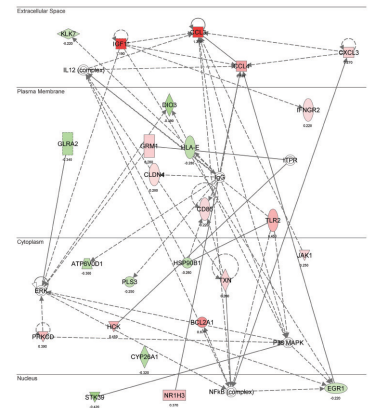
Network 6

## Regulated in young not aged adult day 7



Network 7

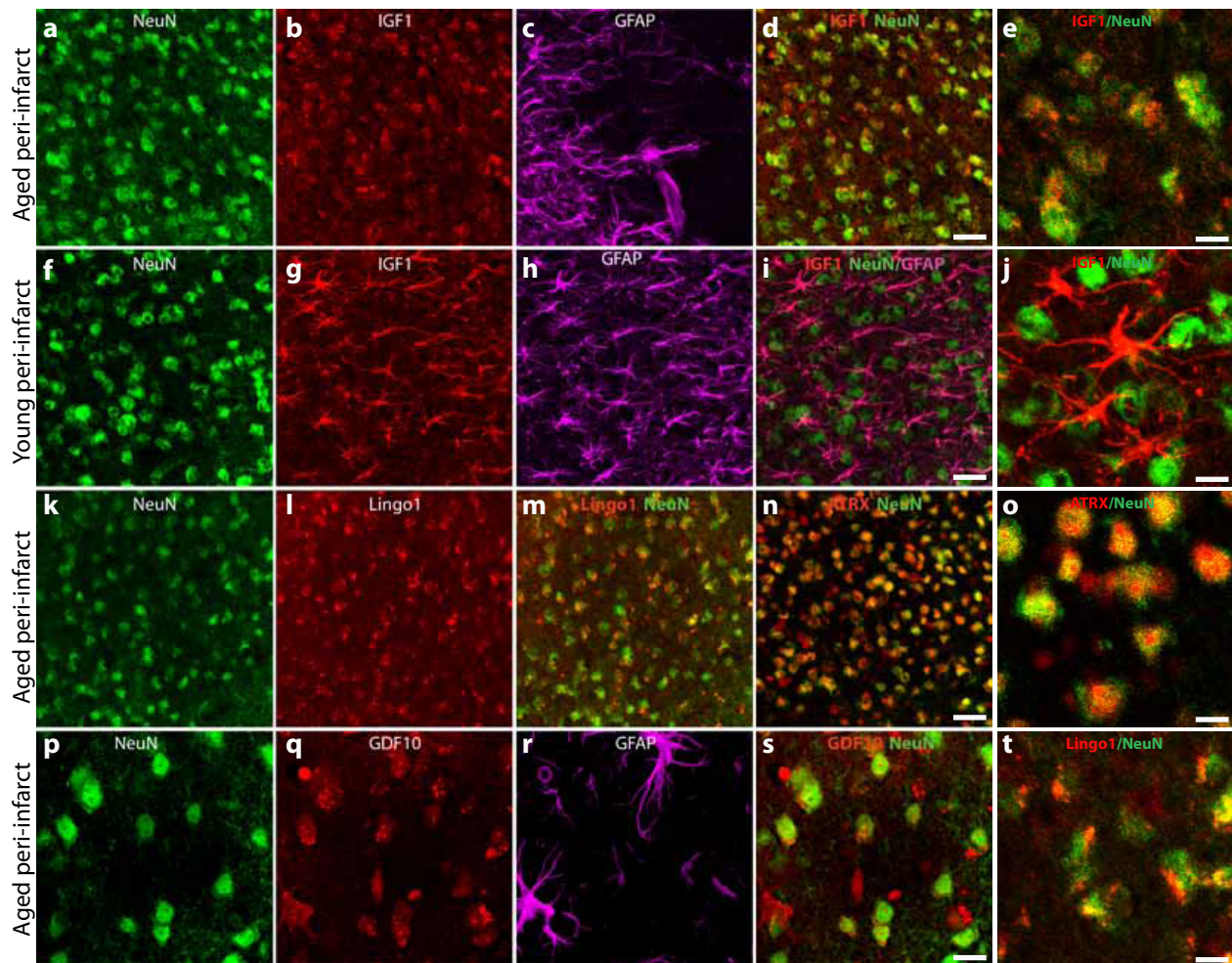
## Regulated in aged not young adult day 7



Network 8

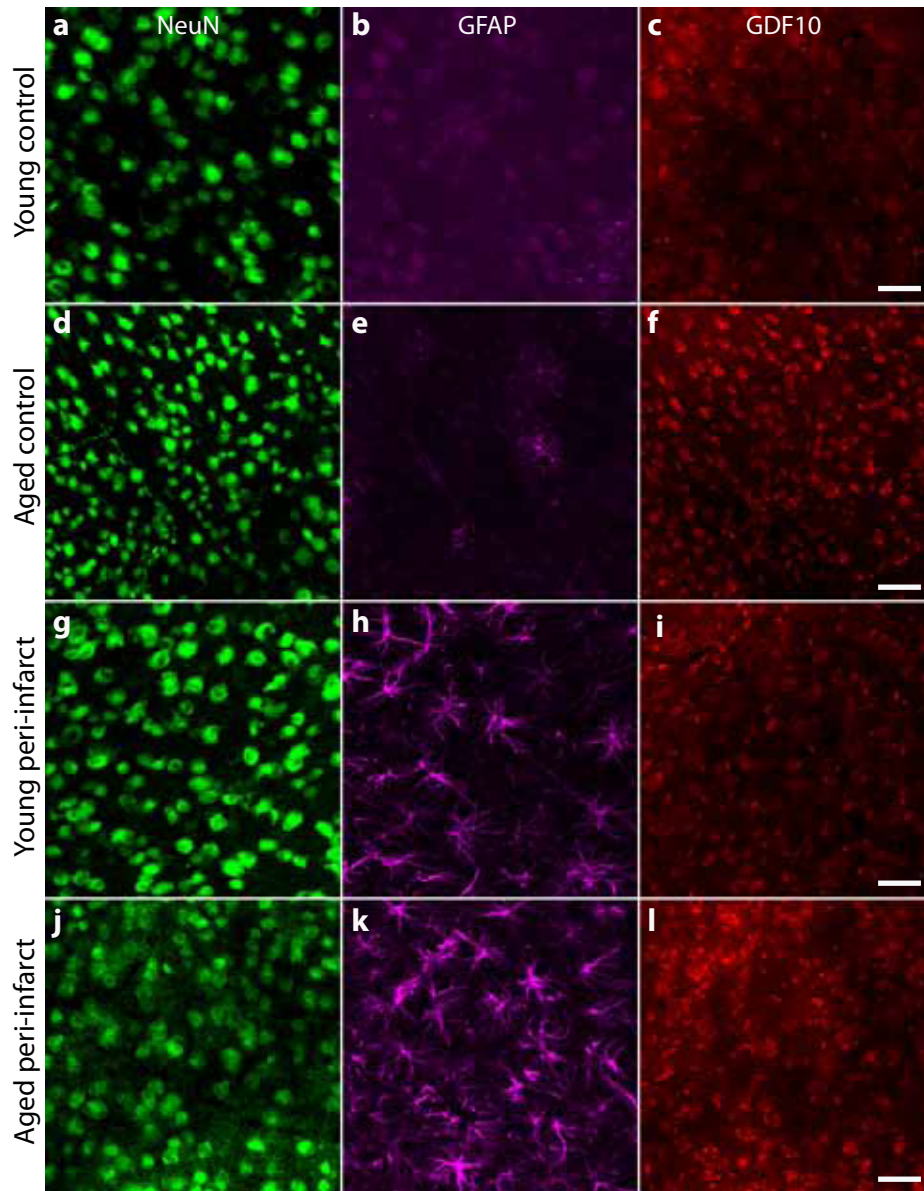
**Figure S2. Molecular networks regulated by stroke in sprouting neurons.** The data set of genes regulated at the  $p < 0.005$  level and  $\log_2 > |0.2|$  were tested for molecular interactions that form specific gene networks. Each panel shows a network of interacting gene products whose expression is differentially regulated in response to stroke in the young adult (Network 1-4,7) and aged peri-infarct neurons after stroke (Network 5,6,8). Genes colored red are upregulated; genes colored green are downregulated. Solid lines depict a direct physical interaction between two molecules and dotted lines indicate an indirect interaction. Numbers near each gene symbol indicate  $\log_2$  change in sprouting vs. control expression level.

### Supplementary Figure 3



**Figure S3. Cellular pattern of IGF1, Lingo1, ATRX and GDF10 expression in peri-infarct tissue after stroke.** Each row is a multifluorescent immunohistochemistry staining result from the same area of peri-infarct cortex. (a,f) NeuN (green), (b,g) IGF1 (red) and (c,h) GFAP (purple) immunostaining in peri-infarct cortex. (d,e) IGF1 and NeuN are colocalized in aged peri-infarct tissue and appear as yellow in IGF1+/NeuN+ neurons. In contrast IGF1 staining co-localizes with GFAP staining in peri-infarct cortex of young adults, producing a light purple color (i,j). (k) NeuN (green) and (l) Lingo1 (red) immunostaining in peri-infarct cortex. Colocalized staining of Lingo1/NeuN (m,t) and ATRX/NeuN (m,o) is seen as yellow in the aged peri-infarct cortex. (p) NeuN (green), (q) GDF10 (red) and (r) GFAP (purple) immunostaining in peri-infarct cortex. (s) Colocalized staining is seen as yellow in the GDF10+/NeuN+ neurons. Astrocytes also express GDF10. Scale bars = 50  $\mu$ m (a-d, f-i, k-n), 30  $\mu$ m (p-s) and 10  $\mu$ m (e,j,o,t).

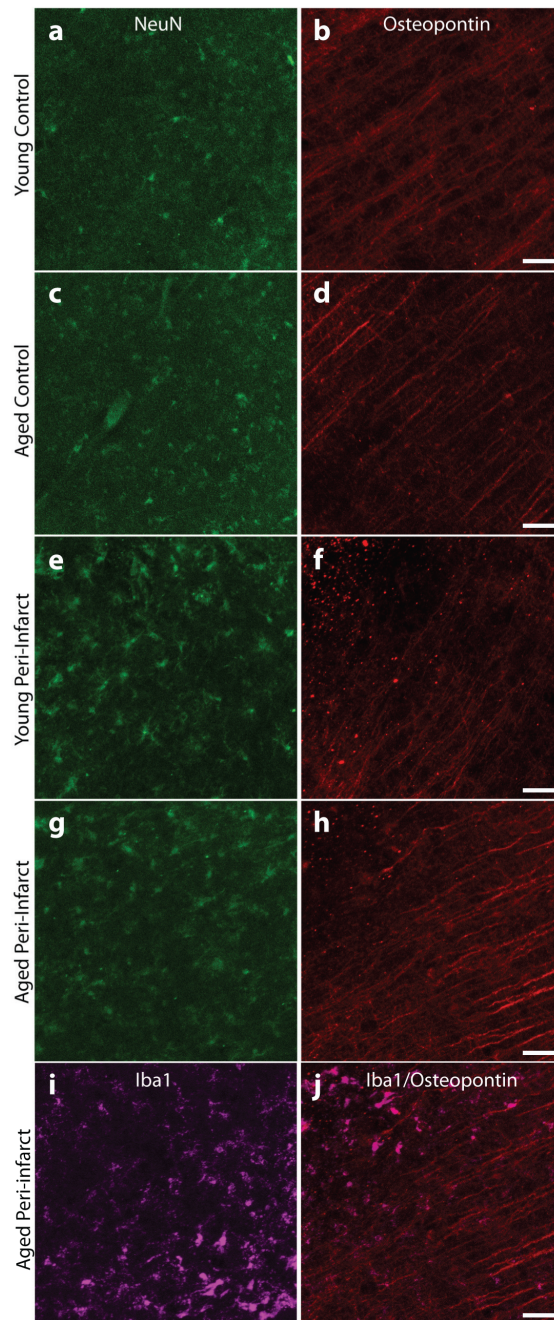
Supplementary Figure 4



**Figure S4. Overall cellular pattern of GDF10 expression in brain tissue.** NeuN (green), GFAP (purple) and GDF10 (red) immunostaining in control (a-f) and peri-infarct cortex (g-l) in each condition. GDF10 immunostaining is more intense in aged peri-infarct cortex. Scale bars = 50  $\mu$ m.

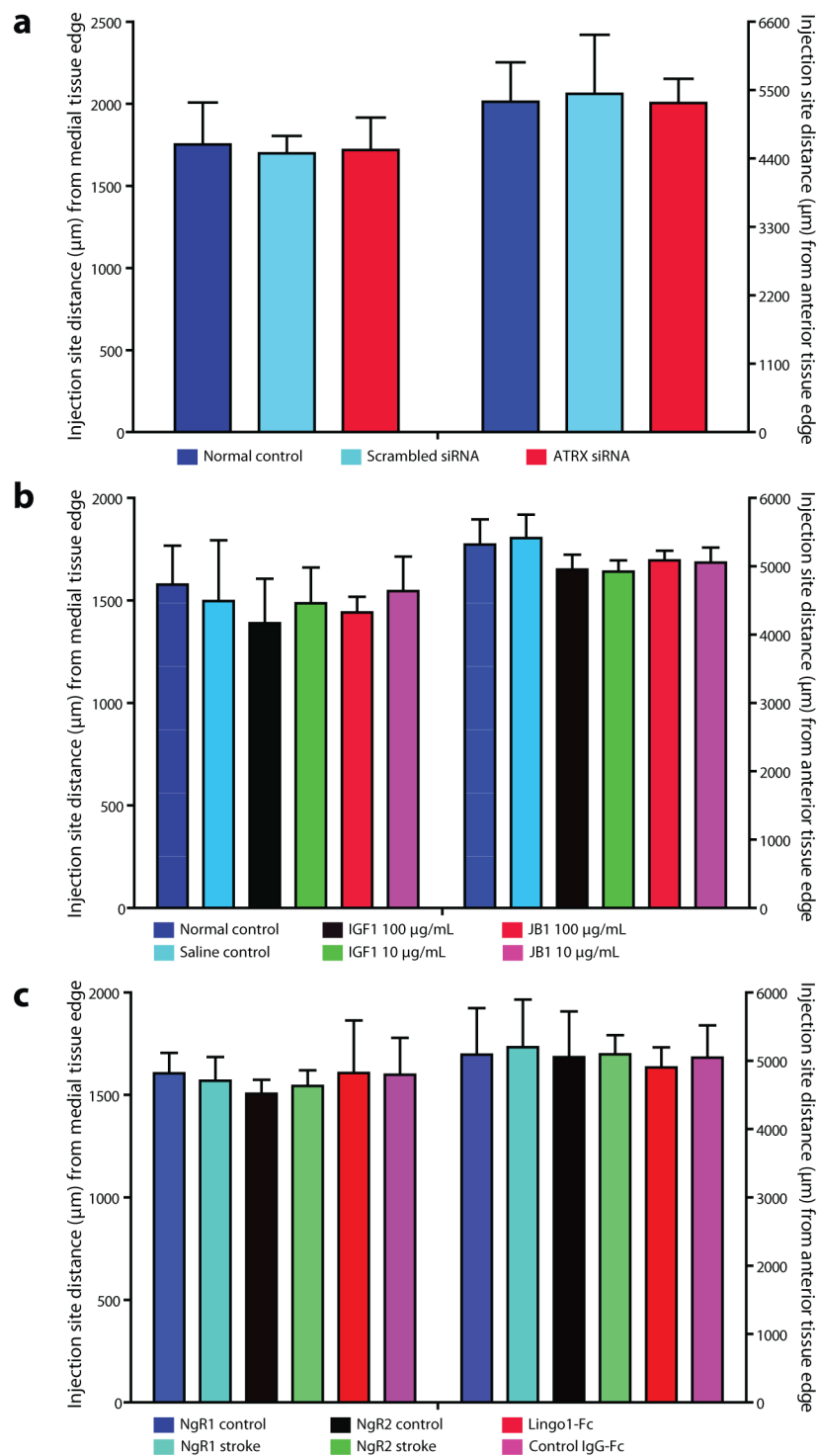


## Supplementary Figure 5



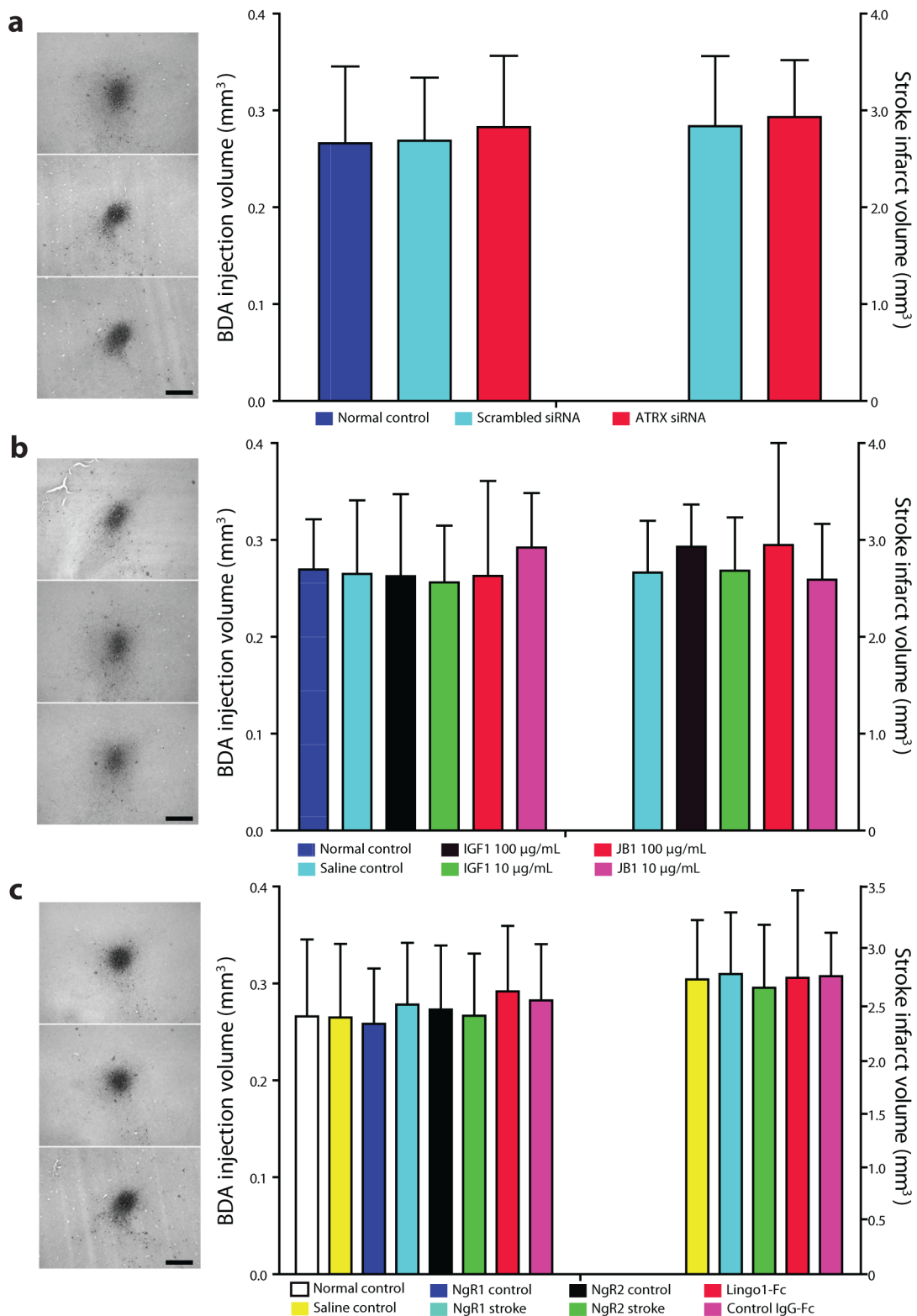
**Figure S5. Cellular pattern of osteopontin immunostaining in brain tissue.** NeuN (green) and osteopontin (red) immunostaining in control (a-d) and peri-infarct cortex (e-h). Iba1 (purple) immunostaining (i) and colocalized staining of Iba1/osteopontin (light purple) (j) in the aged peri-infarct cortex. Note osteopontin signal in the apical dendrites of neurons of both young and aged adult control brains (b,d), and greater intensity of immunostaining in aged peri-infarct tissue (h). Scale bars = 50  $\mu$ m.

## Supplementary Figure 6



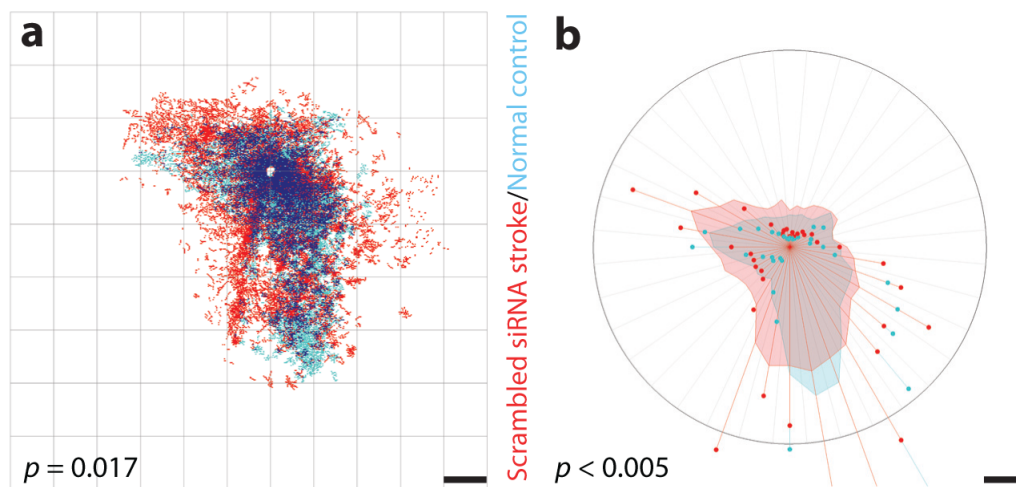
**Figure S6. Anterior/posterior and medial/lateral injection site of BDA injections.** There were no significant differences in anterior/posterior location of injection sites across experimental groups (a,b,c).

## Supplementary Figure 7



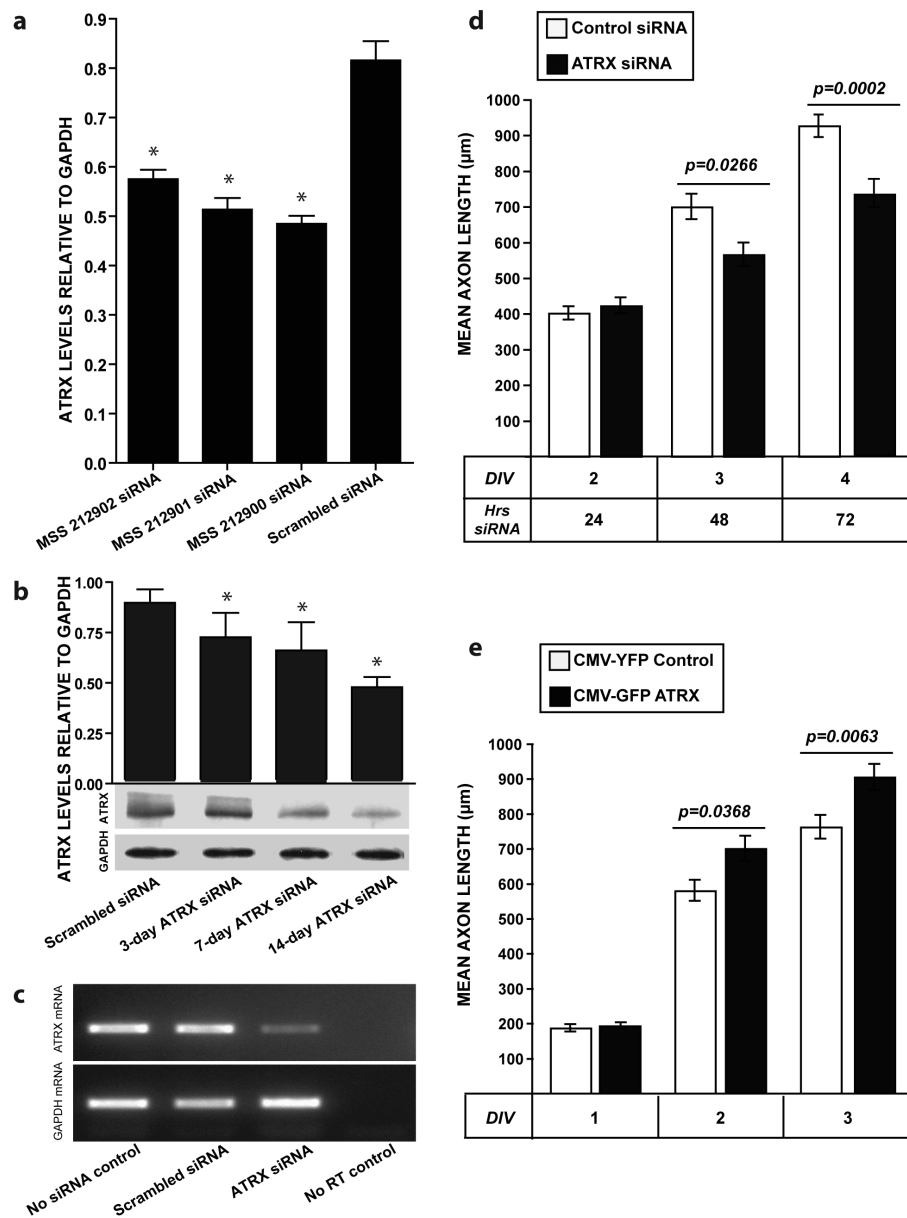
**Figure S7. BDA injection volume and infarct volume.** There were no significant differences in BDA or infarct volumes across treatment conditions following stroke plus ATRX siRNA, scrambled siRNA, or plus hydrogel delivery of IGF1, JB1, Lingo1-Fc or control Fc. Photomicrographs (left panel) show representative BDA injection sizes for each experimental condition (images are from 9 animals total) (a,b,c). Scale bars = 20µm.

## Supplementary Figure 8



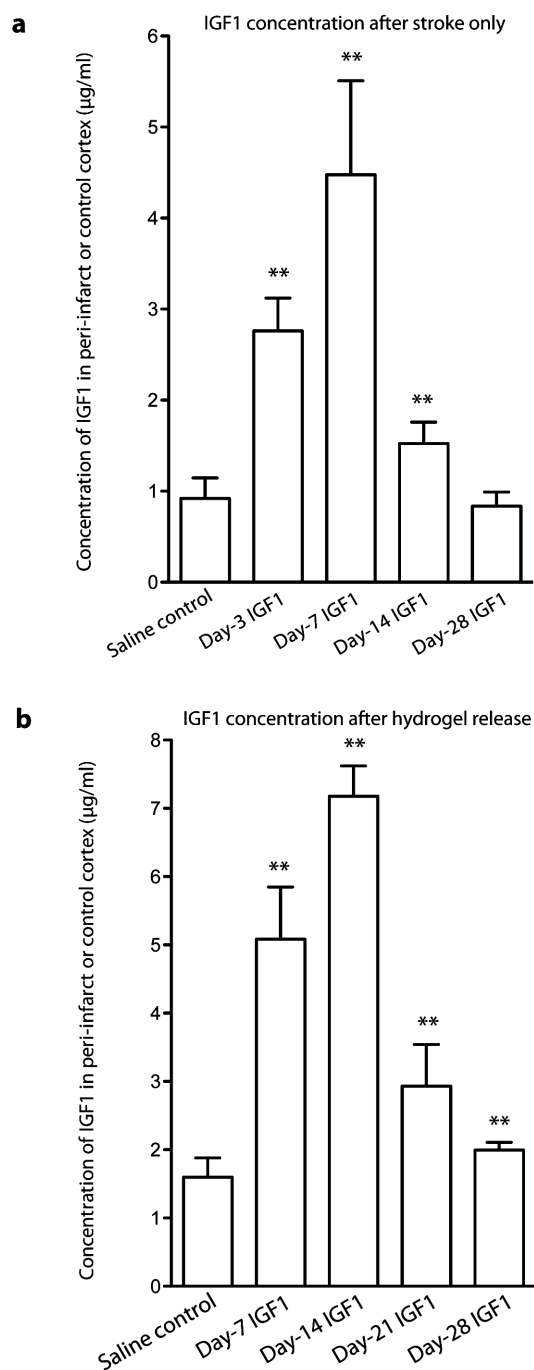
**Figure S8. Scrambled siRNA effect in post-stroke axonal connections.** (a) Quantitative connectional map of forelimb sensorimotor connections in non-stroke/control ( $n = 11$ , blue) and stroke + scrambled siRNA ( $n = 10$ , red). There is a significant difference in the pattern of cortical connections between non-stroke/control and stroke + scrambled siRNA. (b) Polar analysis of connections. Shaded regions represent 70th percentile of the distances of labeled axons from the injection site in each segment of the graph; weighted polar vectors represent the normalized distribution of the quantity of points in a given segment of the graph for scrambled siRNA or non-stroke/control ( $p < 0.005$ ). This data indicates that post-stroke axonal sprouting is present in conditions of normal stroke (Fig. 3) and stroke+scrambled siRNA. Scale bars =  $500\mu\text{m}$ .

## Supplementary Figure 9



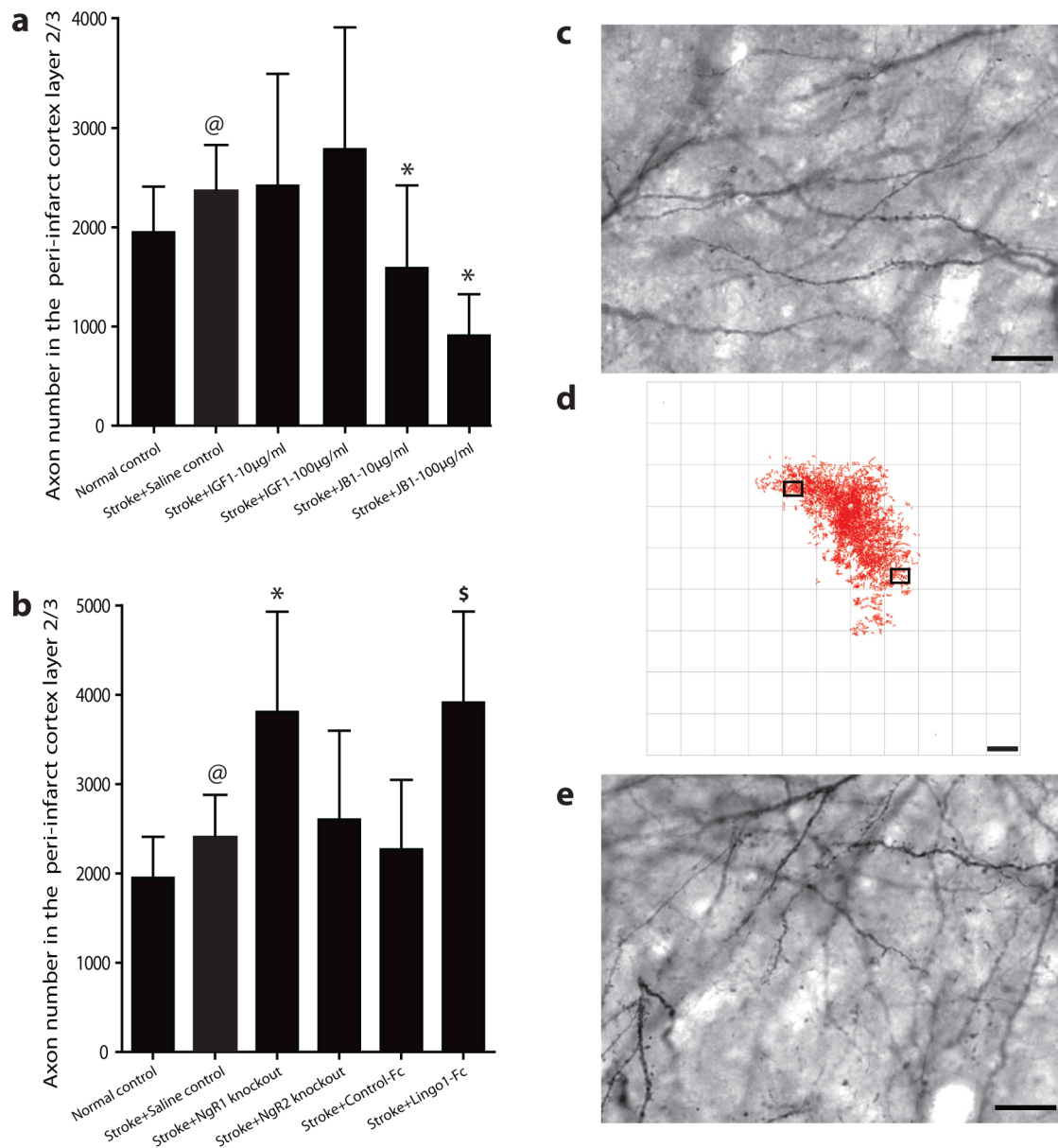
**Figure S9. Expression of protein and message in ATRX siRNA knockdown.** (a) Protein level of ATRX in vitro. A set of three ATRX siRNA significantly knocks down ATRX protein expression in mouse neural progenitor cells<sup>12</sup>. MSS212900 has the greatest knockdown effect. (b) Protein effect of ATRX in vivo. ATRX siRNA, using MSS212900, significantly knocks down the level of ATRX protein in peri-infarct cortex post-stroke. ATRX levels were measured in the peri-infarct cortex 3, 7 and 14 days after stroke (upper panel in b). Representative Western blots of ATRX protein level in control and in vivo knockdown conditions (lower panel in b). (c) Rt-PCR data for mRNA effect of ATRX siRNA in vitro. ATRX siRNA significantly knocks down mRNA levels in PC12 cells<sup>13</sup>. (d,e) Axon length of adult DRG cells under conditions of loss (e) and gain (d) of ATRX function. Panel d shows gradual increase in axon outgrowth with days in vitro (DIV) under normal (control) conditions. With ATRX siRNA knockdown, axonal outgrowth is significantly reduced. ATRX siRNA is applied after one day in vitro, and the length of exposure to siRNA is shown as hrs siRNA. (e) Overexpression of ATRX with induces a significant increase in axonal outgrowth at days 2 and 3 in vitro. (\* P < 0.05).

## Supplementary Figure 10



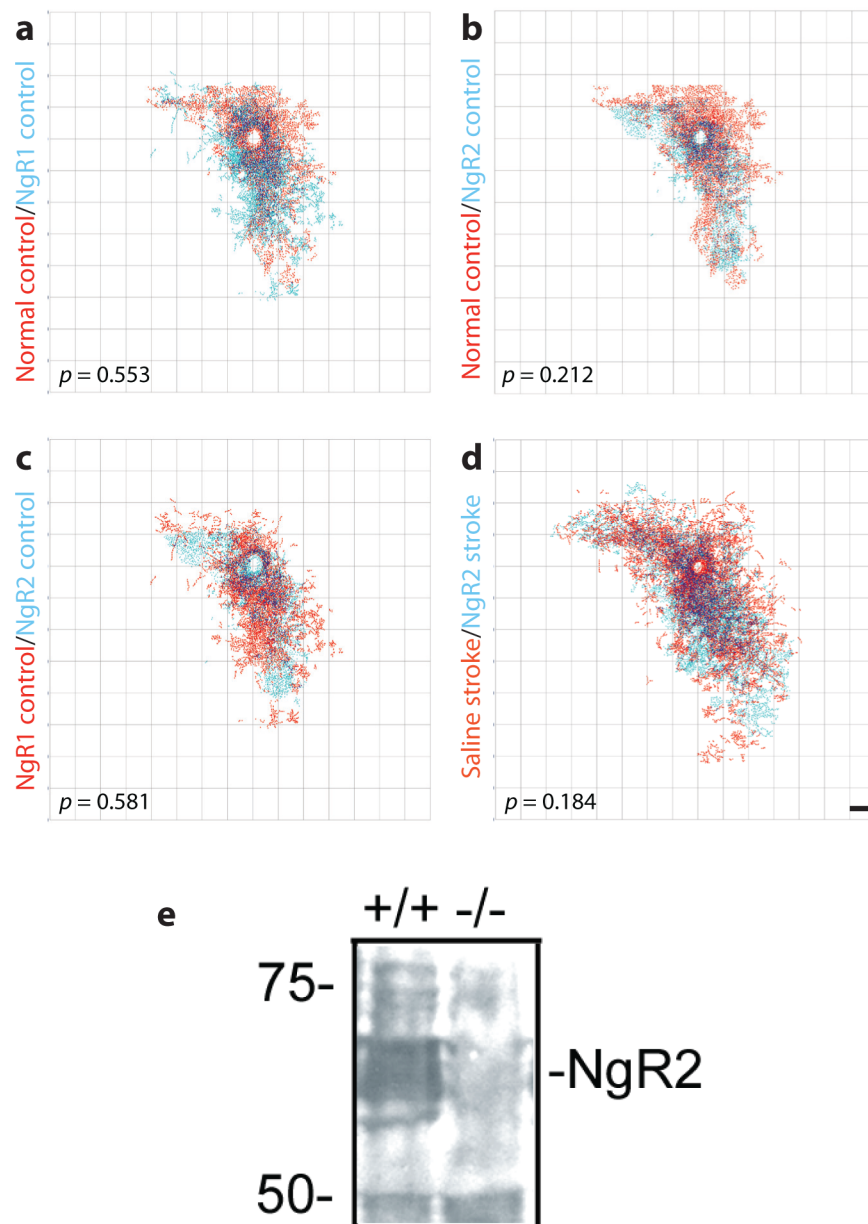
**Figure S10. Endogenous IGF1 and IGF1 sustained release after stroke.** (a) IGF1 concentration in peri-infarct cortex after stroke. There is a peak concentration of over 4.48 µg/ml at 7 days, which returns to the basal level at 28 days after stroke. (b) IGF1 is effectively released from hydrogel in vivo and is present in peri-infarct cortex at 4 weeks post implantation. Hydrogel impregnated with 100 µg/ml of IGF1 or saline was implanted in the infarct cavity at 1 week after stroke. Animals (n = 8) were sacrificed at 7, 14, 21, and 28 days post implantation. IGF1 is detectable in peri-infarct cortex at days 7-28, with a peak concentration of over 7.18 µg/ml at 14 days post stroke. This indicates that IGF1 release from the hydrogel further increases IGF1 levels to a greater extent at prolonged time points compared with endogenous IGF1 (\*\* p < 0.05).

## Supplementary Figure 11



**Figure S11. Axon number in peri-infarct cortex after stroke.** (a) Axon number in peri-infarct cortex layer 2/3 with IGF-1 or JB1. (b) Lingo1-Fc, NgR1 or NgR2 knockout mice. (c, e) Representative images of BDA-labeled axons taken from (d) the quantitative connective map of forelimb sensorimotor cortex connections after stroke. These axons are labeled to produce the connective maps. Scale bars represent 50µm (\*, @ and \$ indicate significant difference compared to saline stroke, normal control and control-Fc stroke, respectively).

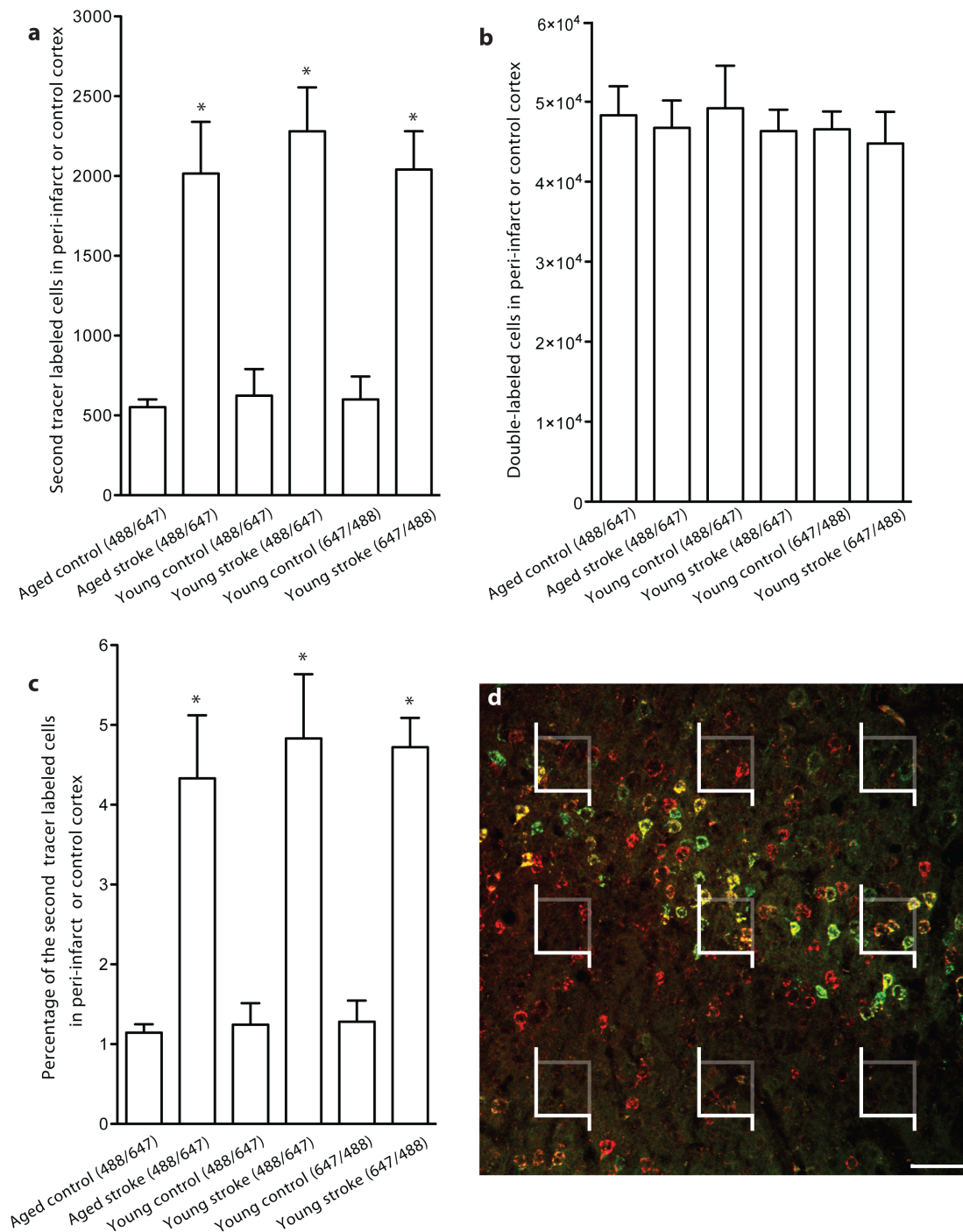
## Supplementary Figure 12



**Figure S12. Axonal connections in *NgR1* and *NgR2* knockout mice.** (a,b) Quantitative connective map of forelimb motor cortex connections in non-stroke *NgR1* control (n = 5), non-stroke *NgR2* control (n = 5) and normal control mice (n = 5), registered to the body map of underlying cortex. Dark blue shows area of dense overlap of connections in the two conditions. There is no significant difference in the pattern of cortical connections between non-stroke *NgR1* and normal control or non-stroke *NgR2* control versus normal control. (c,d) There is no significant difference in the pattern of cortical connections between non-stroke *NgR1* and *NgR2* control, or between *NgR2* stroke (n = 6) and saline stroke (n = 5). (e) Western blot on cell lysates from cortex in wild type and *NgR2* *-/-* mice. Note *NgR2* protein (65 kDa) is no longer found in lysates of mutant mice. Scale bar = 500  $\mu$ m.



## Supplementary Figure 13



**Figure S13. Stereological cell counting of labeled neurons in peri-infarct cortex.** There is a significant increase in number of the second tracer labeled cells in the stroke peri-infarct cortex when compared with non-stroke control. No significance in the second labeled cells is found among the groups in peri-infarct or in control cortex. (b) Population of the double (CTb 488 and CTb 647) labeled cells. No difference in double-labeled cells is noted among all groups. (c) Percentage of the second tracer labeled cells. Note the percentage of the second tracer labeled cells in the stroke peri-infarct exhibits 4 times greater than that in the control cortex. (d) Stereological technique for cell counting with representative labeled cells. Note the first tracer is in red, the second tracer is green, and double labeled neurons are yellow (\* $p < 0.05$ ). Scale bar = 100 μm

Table S1. Primer sequences of target genes

Target or reference		Primer sequence	Tm	Genbank No.
ALCAM	forward	GGTGTTCAAGCAACCATCTAAACC	54.22	NM_031753
	reversed	AGCACTTTCCCATTCCCTATAACCAC		
ATF3	forward	TCTGGAGATGTCAGTCACCAAGTC	55.15	NM_012912
	reversed	CTCCAGTTTCTCTGACTCCTTCTG		
ATRX	forward	TGTGTCCAATTCGGATGAAGAAGG	53.80	XM_217570
	reversed	CTTAGCTTTGGGTACCTTATGAGG		
BTG1	forward	GGCAGAGCATTACAAACATCACTG	54.288	NM_017258
	reversed	TGGGAGAAGCCTGAACAACCTTTG		
CEACAM10	forward	GTCTGTGCAATTTCTGTATACCC	53.94	NM_173339
	reversed	GACACCATCAGCCGATGAAATCTC		
CHIMAERIN1	forward	GGTCTGAATTCTGAAGGACTCTAC	55.52	NM_032083
	reversed	AGCGCTCCAGTGATAATGTTGATG		
FILIP1	forward	CTGCCCGGAAGACAATAAGATCAG	54.45	NM_145682
	reversed	GGTTCTGAACTTCTGCTCCAACCTG		
GDF10	forward	GTGCTAGACGGAGCTTATAGACAG	54.01	NM_024375
	reversed	CAGACCATGGTGAATTCCAGATTC		
GPC3	forward	TGTGGTAGAGATCGACAAGTACTG	53.73	NM_012774
	reversed	CTGCACATACTGGATGGAATCATG		
IGF1	forward	CTCCGCTGAAGCCTACAAAGTCAG	55.10	BC086374
	reversed	GAGGCTCCTCCTACATTCTGTAGG		
LHX9	forward	ACCTCTGGCCACCTCCTCTCCAAG	56.17	BC128722
	reversed	TGCCTCTAGAGTGGTGCCGTTTCAG		
MELK	forward	TGCCGTTCAATGGAAGTGGATCTC	54.80	XM_342828
	reversed	CAGAGCCCTTCTTCTTGTTCCTTG		
MST3B	forward	GTGGAGGCCTGTTTGAATAAGGAG	55.10	AF083420
	reversed	TGCTCGGCCTTCCATCTCTTGTAC		
NgR1	forward	CCAGTGTTCTGAGCAGCTTTCC	58.12	NM_053613
	reversed	CATGGAGAGGTTGTTGGCAAACAG		
NgR2	forward	AGGGTCTGGAGAGGCTGCAGTCAC	58.63	NM_199223
	reversed	GTCCGCGAACAAGTCATCCTGTAG		
NPTN	forward	TTCCTGTCACCCTGCAGTGTAACC	54.66	NM_019380
	reversed	CCTCAGCTCTTGGCTTATTGATCC		
NRXN1	forward	ATGGGATGGCTTTAGCTGTGACTG	54.94	NM_021767
	reversed	TCGTGTACTGGTTCGGTCATTAGG		
NUECLEOLIN	forward	CTACACTGGAGAGAAAGGACAAAG	53.73	NM_012749
	reversed	GGTTGCTTTCTCGAATACTTCCTG		
PRRX1	forward	GGTGGGTGGGATTGGAGGGAAGAC	56.01	NM_153821
	reversed	AGCAGGTGACTGACGGAGAAGTTC		
SPERMIDINE	forward	CCCGGGAACGAATGAGGAACCAC	56.03	NM_001007667
	reversed	GTCCGAGGATGTCAGTGCAGTCAG		
SPP1	forward	ACTCGGATGAATCTGACGAATCTC	54.94	NM_012881
	reversed	GTCCGAGGATGTCAGTGCAGTCAG		
SPRR1a	forward	CTGTCACTCCATCACCATAACCAG	55.61	NM_009264
	reversed	GTCACAGCATTGGTAGCACAAGG		
STMN4	forward	GAGCCCGAGGACTTTGTGACACTG	60.00	XM_341341
	reversed	ACTCGGCCCTTCACTCTGAACTTC		
SUPERVILLIN	forward	CCCTTATGCTCCCAAGTTGACATC	55.15	XM_341540
	reversed	CCTTTGCTCCGTGTATTCTGAAG		
TPT1	forward	GGGCAAACCTGAAGAACAGAAACC	54.36	NM_053867
	reversed	AGAGCAACCATGCCATCTGGATTC		

Table S2. Validation of select genes with quantitative RT-PCR

Gene name	Fold change (Sprouting/Non-sprouting)
* <i>IGF-1</i>	20.41
* <i>OSTEOPONTIN</i>	12.35
* <i>CEACM10</i>	8.02
* <i>PRRX1</i>	8.00
* <i>ATRX</i>	5.93
* <i>CHIMAERIN-1</i>	5.67
* <i>ALCAM</i>	4.31
* <i>GDF10</i>	3.00
* <i>SUPERVILLIN</i>	3.00
* <i>NRXN1</i>	2.70
* <i>MST3B</i>	2.37
* <i>MELK</i>	2.32
* <i>SPERMIDINE</i>	2.05
* <i>GPC3</i>	2.00
* <i>TPT1</i>	1.54
<i>LHX9</i>	1.11
<i>STATHMIN4</i>	1.07
<i>SPRR1a</i>	1.06
<i>NgR2</i>	1.04
<i>NUECLEOLIN</i>	0.96
<i>FILIP1</i>	0.93
<i>NgR1</i>	0.83
<i>NPTN</i>	0.79
<i>ATF3</i>	0.74
<i>BTG1</i>	0.73

\*  $P < 0.05$

qRT-PCR was performed for genes differentially regulated in sprouting neurons in aged at day 7 to validate the array results and to test the expression pattern of genes implicated in axonal sprouting in other studies<sup>1-7</sup> but not represented on the array (**Supplementary Table 2**). Fourteen of 21 genes that were upregulated in aged sprouting neurons vs. non-sprouting neurons at day 7 in the array data set are also upregulated by qRT-PCR: *Alcam*, *ATRX*, *Ceacm10*, *Chimearin-1*, *GDF10*, *GPC3*, *IGF-1*, *MELK*, *NRXN1*, *Osteopontin*, *PRXX1*, *Spermidine*, *Supervillin* and *TPT1*. *IGF-1* and *Osteopontin* are the most differentially regulated genes in aged sprouting neurons, with 20- and 12-fold induction compared to the control non-sprouting neurons (**Supplementary Table 2**). *Ceacm10* and *PRRX1* are up-regulated 8-fold in sprouting neurons in aged animal at day 7 after stroke. Six genes that were significantly induced in the array results were not found to be significantly induced by qRT-PCR: *BTG1*, *Filip1*, *LHX9*, *NPTN*, *Nucleolin* and *Stathmin4*. *ATF3* has been implicated in sprouting in dorsal root ganglion cells after lesion<sup>8</sup>. This was not significantly upregulated in the array results, to confirm this we also measured mRNA levels by qRT-PCR and confirmed that this gene is not induced in aged sprouting neurons. *Mst3b* is a serine/threonine kinase implicated in retinal ganglion cell and cortical axonal sprouting<sup>9</sup>. This was not on the array but is significantly upregulated by qRT-PCR. *SPRR1a*, *NgR1* and *NgR2* have been implicated in central or peripheral neuronal sprouting after lesion<sup>4,10,11</sup> and were not on the array. These genes were not significantly upregulated by qRT-PCR. This data validates a majority of the data in the array data set, and further establishes through expression profiling a role for several genes in post-stroke axonal sprouting.

Table S3. Primary antibodies for immunohistochemistry

<b>Antibody</b>	<b>Species and type</b>	<b>Dilution</b>	<b>Source</b>	<b>Cat. #</b>
ATRX	Rabbit polyclonal	1:100	Santa Cruz Biotechnology	sc-15408
CD68	Rat monoclonal	1:60	Hycult Biotechnology	HM1070-0708
GDF10	Rabbit polyclonal	1-100	Abgent	AP2069a
GFAP	Rat monoclonal	1:1000	Invitrogen	#13-0300
Iba1/AIF1	Goat polyoclonal	1:100	Abcam	ab5076
IGF-1	Rabbit polyclonal	1:100	Santa Cruz Biotechnology	sc-9013
Lingo-1	Rabbit polyclonal	1:100	Abcam	ab23631
NeuN	Mouse polyclonal	1:200	Chemicon	MAB377B
Osteopontin	Rabbit polyclonal	1:120	Abcam	ab63856

**Supplementary Table 4. Genomic profiles of young adult sprouting neurons at 7 day after stroke**

ProbeName	GeneName	Description	LogRatio	pValue
A_42_P475214	KCNA1	Rattus norvegicus potassium voltage-gated channel_ shaker-related subfamily_ member 1 (Kcna1)_ mRNA [NM_173095]	0.87	0.00000
A_43_P12986	EDG2	Rattus norvegicus endothelial differentiation_ lysophosphatidic acid G-protein-coupled receptor_ 2 (Edg2)_ mRNA [NM_053936]	0.85	0.00140
A_44_P127156	M55017	RATNUCIA2 Rat nucleolin gene [M55017]	0.82	0.00013
A_43_P11782	NM_001025291	Rattus norvegicus myelin basic protein (Mbp)_ transcript variant 1_ mRNA [NM_001025291]	0.74	0.00466
A_44_P999869	PTPN11	Rattus norvegicus protein tyrosine phosphatase_ non-receptor type 11 (Ptpn11)_ mRNA [NM_013088]	0.72	0.00324
A_44_P510345	AY539885	Rattus norvegicus LRRG00134 mRNA_ complete cds. [AY539885]	0.71	0.00100
A_43_P15411	SLC24A2	Rattus norvegicus solute carrier family 24 (sodium/potassium/calcium exchanger)_ member 2 (Slc24a2)_ mRNA [NM_031743]	0.67	0.00000
A_43_P15750	ADN	PREDICTED: Rattus norvegicus adipsin (Adn)_ mRNA [XM_343169]	0.66	0.00033
A_44_P185355	BCL11B	PREDICTED: Rattus norvegicus B-cell leukemia/lymphoma 11B (predicted) (Bcl11b_predicted)_ mRNA [XM_234514]	0.66	0.00002
A_44_P810573	TC543004	Unknown	0.66	0.00000
A_44_P1040532	BF567631	BF567631 UI-R-BO0-ags-d-02-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ags-d-02-0-UI 5'_ mRNA sequence [BF567631]	0.65	0.00238
A_44_P1023538	C3	Rattus norvegicus complement component 3 (C3)_ mRNA [NM_016994]	0.64	0.00358
A_44_P196172	BEST5	Rattus norvegicus Best5 protein (Best5)_ mRNA [NM_138881]	0.64	0.00026
A_44_P491796	SPP1	Rattus norvegicus secreted phosphoprotein 1 (Spp1)_ mRNA [NM_012881]	0.63	0.00156
A_44_P317773	PTPN11	Rattus norvegicus protein tyrosine phosphatase_ non-receptor type 11 (Ptpn11)_ mRNA [NM_013088]	0.63	0.00043
A_44_P177337	BF287496	BF287496 EST452087 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIGG75_ mRNA sequence [BF287496]	0.62	0.00412
A_44_P1039128	CXCL10	Rattus norvegicus chemokine (C-X-C motif) ligand 10 (Cxcl10)_ mRNA [NM_139089]	0.62	0.00278
A_44_P1008867	NETO2	PREDICTED: Rattus norvegicus neuropilin (NRP) and tolloid (TLL)-like 2 (predicted) (Neto2_predicted)_ mRNA [XM_226349]	0.62	0.00032
A_43_P15819	PRSS22	Rattus norvegicus similar to serine protease (LOC302971)_ mRNA [XM_220222]	0.62	0.00000
A_44_P530431	BF567797	BF567797 UI-R-BO0-ahm-b-08-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahm-b-08-0-UI 5'_ mRNA sequence [BF567797]	0.61	0.00388
A_42_P510386	SERPING1	Rattus norvegicus serine (or cysteine) peptidase inhibitor_ clade G_ member 1 (Serping1)_ mRNA [NM_199093]	0.61	0.00247
A_43_P22577	XM_575365	PREDICTED: Rattus norvegicus similar to OEF2 (LOC500011)_ mRNA [XM_575365]	0.61	0.00003
A_44_P379331	LOC257642	Rattus norvegicus rRNA promoter binding protein (LOC257642)_ mRNA [NM_147136]	0.6	0.00414
A_44_P590658	ENSRNOT000000	Unknown	0.6	0.00001
A_44_P1034201	XM_341176	Rattus norvegicus similar to Lamb3 protein (LOC360901)_ mRNA [XM_341176]	0.59	0.00013
A_44_P793461	TC560122	Unknown	0.59	0.00002
A_44_P377681	NM_001025002	Rattus norvegicus hypothetical protein LOC310926 (LOC310926)_ mRNA [NM_001025002]	0.58	0.00095
A_44_P148776	BF290343	BF290343 EST454934 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHV17 5'_ sequence_ mRNA sequence [BF290343]	0.57	0.00058
A_44_P209149	MYO5A	Rattus norvegicus myosin Va (Myo5a)_ mRNA [NM_022178]	0.56	0.00242
A_44_P333811	BF289769	BF289769 EST454360 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHK82_ mRNA sequence [BF289769]	0.56	0.00213
A_44_P271442	MYH3	Rattus norvegicus myosin_ heavy polypeptide 3_ skeletal muscle_ embryonic (Myh3)_ mRNA [NM_012604]	0.56	0.00057
A_44_P226941	PLN	Rattus norvegicus phospholamban (Pln)_ mRNA [NM_022707]	0.56	0.00029
A_44_P448864	APC	Rattus norvegicus adenomatosis polyposis coli (Apc)_ mRNA [NM_012499]	0.56	0.00004
A_44_P182671	FAM34A	Rattus norvegicus similar to hypothetical protein LOC226856 (LOC360898)_ mRNA [XM_341172]	0.55	0.00004
A_44_P280659	RGD1305110	PREDICTED: Rattus norvegicus similar to KIAA1841 protein (predicted) (LOC305579)_ mRNA [XM_223682]	0.55	0.00000
A_44_P219481	RABEP1	Rattus norvegicus rabaptin 5 (Rabep1)_ mRNA [NM_019124]	0.54	0.00068
A_44_P828123	CO393245	AGENCOURT_26756198 NIH_MGC_255 Rattus norvegicus cDNA clone IMAGE:7319527 5'_ mRNA sequence [CO393245]	0.54	0.00013
A_44_P243134	MTAP2	Rattus norvegicus microtubule-associated protein 2 (Mtap2)_ mRNA [NM_013066]	0.53	0.00162
A_44_P547586	AW915407	AW915407 EST346711 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICV10 5'_ end_ mRNA sequence [AW915407]	0.53	0.00060
A_44_P346637	PCP4	Rattus norvegicus Purkinje cell protein 4 (Pcp4)_ mRNA [NM_013002]	0.53	0.00051
A_44_P390086	RAB2	Rattus norvegicus RAB2_ member RAS oncogene family (Rab2)_ mRNA [NM_031718]	0.53	0.00004

A_44_P475587	<u>ELAVL1</u>	PREDICTED: Rattus norvegicus ELAV (embryonic lethal_ abnormal vision_ Drosophila)-like 1 (Hu antigen R) (predicted) (Elavl1_predicted)_ mRNA [XM_344063]	0.53	0.00003
A_43_P18992	<u>RGD1310433</u>	PREDICTED: Rattus norvegicus similar to mKIAA1757 protein (predicted) (LOC297514)_ mRNA [XM_238368]	0.53	0.00003
A_44_P303796	<u>AA851329</u>	AA851329 EST194097 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLAF30 3' end_ mRNA sequence [AA851329]	0.52	0.00136
A_44_P1036480	<u>LOC307671</u>	PREDICTED: Rattus norvegicus similar to HBxAg transactivated protein 2 (LOC307671)_ mRNA [XM_226278]	0.52	0.00011
A_44_P776209	<u>TC535936</u>	Unknown	0.52	0.00002
A_44_P1036513	<u>RGD1566117</u>	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ23033 (LOC310982)_ mRNA [XM_227828]	0.51	0.00118
A_44_P447650	<u>ADARB1</u>	Rattus norvegicus adenosine deaminase_ RNA-specific_ B1 (Adarb1)_ mRNA [NM_012894]	0.51	0.00099
A_44_P439475	<u>KLF7</u>	PREDICTED: Rattus norvegicus Kruppel-like factor 7 (ubiquitous) (predicted) (Klf7_predicted)_ mRNA [XM_343581]	0.51	0.00059
A_44_P175846	<u>LOC307671</u>	PREDICTED: Rattus norvegicus similar to HBxAg transactivated protein 2 (LOC307671)_ mRNA [XM_226278]	0.51	0.00006
A_44_P1036481	<u>RGD1566064</u>	PREDICTED: Rattus norvegicus similar to KIAA1096 protein (LOC360865)_ mRNA [XM_341141]	0.51	0.00005
A_44_P896682	<u>BC107473</u>	Rattus norvegicus cDNA clone IMAGE:7445191 [BC107473]	0.51	0.00001
A_44_P186336	<u>RAB15</u>	Sprague-Dawley (clone LRB9) RAB15 mRNA_ complete cds. [M83679]	0.5	0.00042
A_42_P514501	<u>GRM3</u>	Rat metabotropic glutamate receptor 3 mRNA_ primary transcript. [M92076]	0.5	0.00021
A_44_P559401	<u>SCG3</u>	Rattus norvegicus secretogranin III (Scg3)_ mRNA [NM_053856]	0.5	0.00002
A_44_P763434	<u>XM_576579</u>	PREDICTED: Rattus norvegicus similar to novel protein (LOC501153)_ mRNA [XM_576579]	0.5	0.00001
A_44_P218284	<u>XM_573199</u>	PREDICTED: Rattus norvegicus similar to Dual specificity protein phosphatase 3 (T-DSP11) (LOC498003)_ mRNA [XM_573199]	0.5	0.00000
A_44_P231457	<u>KCNA1</u>	Rattus norvegicus potassium voltage-gated channel_ shaker-related subfamily_ member 1 (Kcna1)_ mRNA [NM_173095]	0.5	0.00000
A_44_P517614	<u>ALS2CR3</u>	Rattus norvegicus amyotrophic lateral sclerosis 2 (juvenile) chromosome region_ candidate 3 homolog (human) (Als2cr3)_ mRNA [NM_133560]	0.5	0.00000
A_44_P328864	<u>XM_573294</u>	PREDICTED: Rattus norvegicus similar to hypothetical protein A (LOC498088)_ mRNA [XM_573294]	0.5	0.00000
A_44_P220378	<u>RGD1306314</u>	PREDICTED: Rattus norvegicus similar to KIAA0819 protein (predicted) (LOC312683)_ mRNA [XM_232253]	0.49	0.00478
A_44_P417303	<u>RGD1560784</u>	Rattus norvegicus similar to hypothetical protein MGC31104 (LOC363449)_ mRNA [XM_343770]	0.49	0.00378
A_44_P554928	<u>GAD2</u>	Rattus norvegicus glutamic acid decarboxylase 2 (Gad2)_ mRNA [NM_012563]	0.49	0.00274
A_44_P137215	<u>BM986231</u>	BM986231 EST531685 Rat gene index_ normalized rat_ norvegicus Rattus norvegicus cDNA clone RGIAB40 3' end similar to ribosomal RNA_ mRNA sequence [BM986231]	0.49	0.00120
A_44_P400147	<u>ADD3</u>	Rattus norvegicus adducin 3 (gamma) (Add3)_ mRNA [NM_031552]	0.49	0.00005
A_44_P215898	<u>XM_212703</u>	Rattus norvegicus similar to cell division cycle 10 homolog (LOC288347)_ mRNA [XM_212703]	0.49	0.00000
A_44_P254503	<u>AA800034</u>	AA800034 EST189531 Normalized rat heart_ Bento Soares Rattus sp. cDNA clone RHEAI63 3' end_ mRNA sequence [AA800034]	0.49	0.00000
A_44_P409022	<u>AI178706</u>	AI178706 EST222387 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLCU55 3' end_ mRNA sequence [AI178706]	0.48	0.00238
A_44_P762670	<u>A_44_P762670</u>	Unknown	0.48	0.00091
A_44_P607486	<u>CHES1</u>	PREDICTED: Rattus norvegicus checkpoint suppressor 1 (predicted) (Ches1_predicted)_ mRNA [XM_234377]	0.48	0.00031
A_44_P745617	<u>TC558054</u>	Unknown	0.48	0.00017
A_44_P408887	<u>ALS2CR3</u>	Rattus norvegicus amyotrophic lateral sclerosis 2 (juvenile) chromosome region_ candidate 3 homolog (human) (Als2cr3)_ mRNA [NM_133560]	0.48	0.00006
A_44_P472954	<u>MYH3</u>	Rattus norvegicus myosin_ heavy polypeptide 3_ skeletal muscle_ embryonic (Myh3)_ mRNA [NM_012604]	0.48	0.00005
A_44_P409336	<u>U56261</u>	Rattus norvegicus SNAP-25a mRNA_ partial cds. [U56261]	0.48	0.00002
A_44_P306368	<u>LIP1</u>	Rattus norvegicus lysosomal acid lipase 1 (Lip1)_ mRNA [NM_012732]	0.48	0.00000
A_44_P592983	<u>TC541993</u>	Unknown	0.47	0.00450
A_44_P465329	<u>MAL</u>	Rattus norvegicus myelin and lymphocyte protein (Mal)_ mRNA [NM_012798]	0.47	0.00278
A_43_P10353	<u>XM_574906</u>	PREDICTED: Rattus norvegicus similar to Eif4g1 protein (LOC499581)_ mRNA [XM_574906]	0.47	0.00277
A_44_P435422	<u>NM_001014035</u>	Rattus norvegicus similar to myocyte enhancer factor 2C (LOC309957)_ mRNA [NM_001014035]	0.47	0.00230
A_44_P210235	<u>HNRPR</u>	Rattus norvegicus heterogeneous nuclear ribonucleoprotein R (Hnrpr)_ mRNA [NM_175603]	0.47	0.00201
A_43_P20704	<u>DST</u>	PREDICTED: Rattus norvegicus dystonin (predicted) (Dst_predicted)_ mRNA [XM_237042]	0.47	0.00077
A_43_P17545	<u>XM_576047</u>	PREDICTED: Rattus norvegicus similar to LOC398632 protein (LOC500670)_ mRNA [XM_576047]	0.47	0.00076
A_44_P592538	<u>DN934259</u>	AGENCOURT_50143130 NCI_CGAP_Pr50 Rattus norvegicus cDNA clone IMAGE:7939133 5'_ mRNA sequence [DN934259]	0.47	0.00065
A_44_P361741	<u>Z-SEP</u>	Rattus norvegicus septin 7 (Sept7)_ mRNA [NM_022616]	0.47	0.00013

A_44_P146833	<u>GRM3</u>	PREDICTED: Rattus norvegicus glutamate receptor_ metabotropic 3 (Grm3)_ mRNA [XM_342626]	0.47	0.00001
A_44_P532754	<u>PBX3</u>	PREDICTED: Rattus norvegicus pre B-cell leukemia transcription factor 3 (predicted) (Pbx3_predicted)_ mRNA [XM_231158]	0.46	0.00162
A_42_P522638	<u>NM_001034952</u>	Rattus norvegicus similar to RIKEN cDNA E030024M05 (RGD1306818)_ mRNA [NM_001034952]	0.46	0.00030
A_44_P114308	<u>HSPCA</u>	Rattus norvegicus heat shock protein 1_ alpha (Hspca)_ mRNA [NM_175761]	0.46	0.00028
A_44_P275145	<u>KIF1A</u>	PREDICTED: Rattus norvegicus kinesin family member 1A (predicted) (Kif1a_predicted)_ mRNA [XM_343630]	0.46	0.00019
A_43_P20703	<u>GDAP1</u>	PREDICTED: Rattus norvegicus ganglioside-induced differentiation-associated-protein 1 (predicted) (Gdap1_predicted)_ mRNA [XM_232577]	0.46	0.00002
A_44_P445004	<u>SLC4A4</u>	Rattus norvegicus solute carrier family 4_ member 4 (Slc4a4)_ mRNA [NM_053424]	0.45	0.00469
A_44_P139876	<u>MYH8</u>	Rat embryonic myosin heavy chain gene_ partial 5' region_ mRNA. [K02111]	0.45	0.00274
A_44_P752274	<u>A_44_P752274</u>	Unknown	0.45	0.00024
A_44_P1018684	<u>XM_573584</u>	PREDICTED: Rattus norvegicus similar to signal recognition particle_72 kDa subunit (LOC498351)_ mRNA [XM_573584]	0.45	0.00000
A_43_P14683	<u>NM_001024790</u>	Rattus norvegicus ubiquitin specific protease 7 (herpes virus-associated) (Usp7)_ mRNA [NM_001024790]	0.44	0.00402
A_44_P760131	<u>A_44_P760131</u>	Unknown	0.44	0.00049
A_44_P236071	<u>AY383668</u>	Rattus norvegicus LRRGT00013 mRNA_ complete cds. [AY383668]	0.44	0.00046
A_44_P305073	<u>ATP6V1A1</u>	Rattus norvegicus similar to ATPase_ H+ transporting_ V1 subunit A_ isoform 1 (LOC360716)_ mRNA [XM_340987]	0.44	0.00000
A_42_P638128	<u>ACTG2</u>	Rattus norvegicus actin_ gamma 2 (Actg2)_ mRNA [NM_012893]	0.44	0.00000
A_44_P318999	<u>A_44_P318999</u>	Unknown	0.44	0.00000
A_44_P821788	<u>ENSRNOT000000</u>	Unknown	0.44	0.00000
A_44_P740179	<u>AI180087</u>	AI180087 EST223823 Normalized rat spleen_ Bento Soares Rattus sp. cDNA clone RSPCP89 3' end_ mRNA sequence [AI180087]	0.43	0.00483
A_44_P547385	<u>AA899649</u>	AA899649 UI-R-E0-dg-h-07-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dg-h-07-0-UI 3' similar to gi [AA899649]	0.43	0.00059
A_44_P144188	<u>SYT12</u>	Rattus norvegicus synaptotagmin 12 (Syt12)_ mRNA [NM_138835]	0.43	0.00038
A_44_P287803	<u>AA996470</u>	AA996470 UI-R-C0-hi-g-08-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hi-g-08-0-UI 3'_ mRNA sequence [AA996470]	0.43	0.00010
A_44_P930637	<u>CPEB2</u>	PREDICTED: Rattus norvegicus cytoplasmic polyadenylation element binding protein 2 (predicted) (Cpeb2_predicted)_ mRNA [XM_341227]	0.43	0.00000
A_44_P500880	<u>APP</u>	Rattus norvegicus amyloid beta (A4) precursor protein (App)_ mRNA [NM_019288]	0.43	0.00000
A_43_P11980	<u>RASGRP1</u>	Rattus norvegicus RAS guanyl releasing protein 1 (Rasgrp1)_ mRNA [NM_019211]	0.43	0.00000
A_44_P1012591	<u>OSBPL1A</u>	Rattus norvegicus oxysterol binding protein-like 1A (Osbp1a)_ mRNA [NM_172023]	0.42	0.00431
A_44_P1041179	<u>EP400</u>	PREDICTED: Rattus norvegicus E1A binding protein p400 (predicted) (Ep400_predicted)_ mRNA [XM_222251]	0.42	0.00359
A_44_P516074	<u>RGD1565496</u>	PREDICTED: Rattus norvegicus similar to Butyrate-induced transcript 1 (LOC300783)_ mRNA [XM_217180]	0.42	0.00322
A_44_P439473	<u>KLF7</u>	PREDICTED: Rattus norvegicus Kruppel-like factor 7 (ubiquitous) (predicted) (Klf7_predicted)_ mRNA [XM_343581]	0.42	0.00264
A_44_P291770	<u>AI234040</u>	AI234040 EST230728 Normalized rat lung_ Bento Soares Rattus sp. cDNA clone RLUCU43 3' end_ mRNA sequence [AI234040]	0.42	0.00223
A_44_P953424	<u>A_44_P953424</u>	Unknown	0.42	0.00189
A_44_P344560	<u>RGD1310358</u>	PREDICTED: Rattus norvegicus similar to NNX3 (predicted) (LOC308537)_ mRNA [XM_218532]	0.42	0.00112
A_44_P255934	<u>USP32</u>	PREDICTED: Rattus norvegicus ubiquitin specific protease 32 (predicted) (Usp32_predicted)_ mRNA [XM_220798]	0.42	0.00065
A_44_P838788	<u>CB578247</u>	AMGNNUC:NRHY5-00132-E2-A W Rat hypothalamus (10471) Rattus norvegicus cDNA clone nrhy5-00132-e2 5'_ mRNA sequence [CB578247]	0.42	0.00063
A_44_P324155	<u>RGD1309701</u>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 9130005N14 (predicted) (LOC316729)_ mRNA [XM_237514]	0.42	0.00053
A_44_P328311	<u>A_44_P328311</u>	Unknown	0.42	0.00052
A_44_P831621	<u>CB327359</u>	UI-R-FS0-crs-d-09-0-UI.s1 UI-R-FS0 Rattus norvegicus cDNA clone UI-R-FS0-crs-d-09-0-UI 3'_ mRNA sequence [CB327359]	0.42	0.00025
A_44_P413294	<u>CPLX1</u>	Rattus norvegicus complexin 1 (Cplx1)_ mRNA [NM_022864]	0.42	0.00020
A_44_P542390	<u>PTPRD</u>	Rattus norvegicus protein tyrosine phosphatase_ receptor type_ D (Ptprd)_ mRNA [NM_019140]	0.42	0.00010
A_44_P424188	<u>RGD1308448</u>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA B130016O10 gene (predicted) (LOC310358)_ mRNA [XM_227078]	0.42	0.00002
A_44_P410331	<u>AMDP2</u>	Rattus norvegicus similar to S-adenosylmethionine decarboxylase proenzyme (AdoMetDC) (SamDC) (LOC309358)_ mRNA [XM_219839]	0.42	0.00000
A_44_P459249	<u>SRP72</u>	PREDICTED: Rattus norvegicus signal recognition particle 72 (predicted) (Srp72_predicted)_ mRNA [XM_214017]	0.42	0.00000
A_42_P461587	<u>NGFB_MAPPED</u>	PREDICTED: Rattus norvegicus nerve growth factor_ beta (Ngfb)_ mRNA [XM_227525]	0.41	0.00498
A_43_P16664	<u>RGD1311899</u>	Rattus norvegicus similar to RIKEN cDNA 2210016L21 gene (RGD1311899)_ mRNA [NM_001009630]	0.41	0.00456

A 44 P425450	AI535429	AI535429 UI-R-C3-si-h-11-0-UI.s1 UI-R-C3 Rattus norvegicus cDNA clone UI-R-C3-si-h-11-0-UI 3' mRNA sequence [AI535429]	0.41	0.00361
A 44 P149114	ATPV61B2	Rattus norvegicus ATPase_H+ transporting_V1 subunit B_isoform 2 (Atp6v1b2)_ mRNA [NM_057213]	0.41	0.00206
A 44 P520992	BQ782274	BQ782274 UI-R-FF0-cpj-n-03-0-UI.s1 NCI_CGAP_FF0 Rattus norvegicus cDNA clone UI-R-FF0-cpj-n-03-0-UI 3' mRNA sequence [BQ782274]	0.41	0.00020
A 44 P899961	TC540586	CTOG_HUMAN (Q14008) CH-TOG protein (Colonic and hepatic tumor over-expressed protein)_ partial (7%) [TC540586]	0.41	0.00018
A 42 P626895	TPD52L1	Rattus norvegicus similar to tumor protein D53 (LOC361461)_ mRNA [XM_341740]	0.41	0.00006
A 44 P227655	AI171249	AI171249 EST217204 Normalized rat muscle_Bento Soares Rattus sp. cDNA clone RMUBI12 3' end_ mRNA sequence [AI171249]	0.41	0.00000
A 44 P118666	HS3ST1	Rattus norvegicus heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (Hs3st1)_ mRNA [NM_053391]	0.41	0.00000
A 44 P331567	STIM2	PREDICTED: Rattus norvegicus stromal interaction molecule 2 (predicted) (Stim2_predicted)_ mRNA [XM_223454]	0.41	0.00000
A 43 P17088	RGD1306405	PREDICTED: Rattus norvegicus similar to 1-acylglycerolphosphate acyltransferase-epsilon (predicted) (LOC306582)_ mRNA [XM_224993]	0.4	0.00240
A 44 P494644	TSPYL4	Rattus norvegicus TSPY-like 4 (Tspyl4)_ mRNA [NM_001012075]	0.4	0.00123
A 44 P217452	TGOLN2	Rattus norvegicus trans-golgi network protein 1 (Tgoln2)_ mRNA [NM_138840]	0.4	0.00028
A 44 P142194	S68987	set=Set beta isoform [alternatively spliced] [rats_neonatal kidney_ mRNA_ 2026 nt]. [S68987]	0.4	0.00016
A 44 P849277	AI137972	AI137972 UI-R-C0-hn-d-01-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hn-d-01-0-UI 3' mRNA sequence [AI137972]	0.4	0.00000
A 44 P825985	TC543892	Unknown	0.39	0.00460
A 44 P137217	BM986231	BM986231 EST531685 Rat gene index_normalized rat_norvegicus Rattus norvegicus cDNA clone RGIAB40 3' end similar to ribosomal RNA_ mRNA sequence [BM986231]	0.39	0.00306
A 43 P19830	YTHDF2	PREDICTED: Rattus norvegicus YTH domain family 2 (predicted) (Ythdf2_predicted)_ mRNA [XM_232772]	0.39	0.00271
A 44 P396546	HSPA8	Rattus norvegicus heat shock protein 8 (Hspa8)_ mRNA [NM_024351]	0.39	0.00238
A 44 P443138	A 44 P443138	Unknown	0.39	0.00238
A 44 P959683	XM_576263	PREDICTED: Rattus norvegicus similar to RIKEN cDNA B230382K22 gene (LOC500864)_ mRNA [XM_576263]	0.39	0.00160
A 44 P205887	RAB14	Rattus norvegicus RAB14_member RAS oncogene family (Rab14)_ mRNA [NM_053589]	0.39	0.00079
A 44 P387680	CB547362	CB547362 AMGNNUC:SRPB2-00294-C2-A srpb2 (10220) Rattus norvegicus cDNA clone srpb2-00294-c2 5' mRNA sequence [CB547362]	0.39	0.00046
A 44 P152134	XM_226292	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC307687)_ mRNA [XM_226292]	0.39	0.00010
A 44 P245636	STRBP	Rattus norvegicus double-stranded RNA-binding protein p74 (Strbp)_ mRNA [NM_053416]	0.39	0.00001
A 44 P191021	PHYH	Rattus norvegicus phytanoyl-CoA hydroxylase (Phyh)_ mRNA [NM_053674]	0.39	0.00000
A 44 P283758	RGD1560876	PREDICTED: Rattus norvegicus similar to hypothetical protein MGC48915 (LOC364395)_ mRNA [XM_344414]	0.38	0.00492
A 44 P836925	XM_573978	PREDICTED: Rattus norvegicus similar to hypothetical protein (LOC364670)_ mRNA [XM_573978]	0.38	0.00313
A 44 P1048487	ZFYVE9	PREDICTED: Rattus norvegicus zinc finger_FYVE domain containing 9 (predicted) (Zfyve9_predicted)_ mRNA [XM_233341]	0.38	0.00109
A 44 P414469	HADHA	Rattus norvegicus hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein)_ alpha subunit (Hadha)_ mRNA [NM_130826]	0.38	0.00021
A 44 P265682	XM_573823	PREDICTED: Rattus norvegicus similar to A-kinase anchor protein 11 (Protein kinase A anchoring protein 11) (PRKA11) (A kinase anchor protein 220 kDa) (AKAP 220) (hAKAP220) (LOC498	0.38	0.00013
A 44 P248495	XM_229809	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC317101)_ mRNA [XM_229809]	0.38	0.00007
A 44 P285849	KIF5C	PREDICTED: Rattus norvegicus kinesin family member 5C (predicted) (Kif5c_predicted)_ mRNA [XM_241981]	0.38	0.00001
A 44 P515349	PIK3R1	Rattus norvegicus phosphatidylinositol 3-kinase_regulatory subunit polypeptide 1 (Pik3r1)_ mRNA [NM_013005]	0.38	0.00000
A 44 P1011512	NM_031805	Rattus norvegicus ankyrin 3_epithelial (Ank3)_ transcript variant 1_ mRNA [NM_031805]	0.37	0.00292
A 44 P895064	AW915474	AW915474 EST346778 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGICV78 5' end_ mRNA sequence [AW915474]	0.37	0.00185
A 44 P526866	KLF5	Rattus norvegicus Kruppel-like factor 5 (Klf5)_ mRNA [NM_053394]	0.37	0.00185
A 44 P351301	PA2G4	Rattus norvegicus proliferation-associated 2G4 (Pa2g4)_ mRNA [NM_001004206]	0.37	0.00183
A 44 P368679	BF283449	BF283449 EST448040 Rat Gene Index_normalized rat_Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEC16 3' sequence_ mRNA sequence [BF283449]	0.37	0.00143
A 44 P361487	NM_001013853	Rattus norvegicus globin_alpha (LOC287167)_ mRNA [NM_001013853]	0.37	0.00141
A 44 P297100	QKI	PREDICTED: Rattus norvegicus similar to QUAKING isoform 6 (LOC499022)_ mRNA [XM_574316]	0.37	0.00136
A 44 P335165	DDX6_MAPPED	PREDICTED: Rattus norvegicus DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 (Ddx6)_ mRNA [XM_236192]	0.37	0.00136
A 42 P694679	HDAC4	PREDICTED: Rattus norvegicus histone deacetylase 4 (predicted) (Hdac4_predicted)_ mRNA [XM_343629]	0.37	0.00094
A 44 P167205	AI229849	AI229849 EST226544 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMCN39 3' end_ mRNA sequence [AI229849]	0.37	0.00089
A 43 P18842	ARRDC3	Rattus norvegicus arrestin domain containing 3 (Arrdc3)_ mRNA [NM_001007797]	0.37	0.00060



A_44_P556912	AI102076	AI102076 EST211365 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRBY61 3' end_mRNA sequence [AI102076]	0.37	0.00054
A_44_P432139	RPL5	Rattus norvegicus ribosomal protein L5 (Rpl5)_mRNA [NM_031099]	0.37	0.00052
A_44_P213426	NM_001024371	Rattus norvegicus neurocalcin delta (Ncald)_mRNA [NM_001024371]	0.37	0.00045
A_44_P531891	MADD	Rattus norvegicus MAP-kinase activating death domain (Madd)_mRNA [NM_053585]	0.37	0.00041
A_44_P103127	LOC302199	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC302199)_mRNA [XM_217542]	0.37	0.00031
A_44_P111941	PTPRE	PREDICTED: Rattus norvegicus protein tyrosine phosphatase_receptor type_E (Ptpre)_mRNA [XM_341950]	0.37	0.00009
A_44_P328654	XM_578956	PREDICTED: Rattus norvegicus similar to Myosin IXb (Unconventional myosin-9b) (LOC503417)_mRNA [XM_578956]	0.37	0.00008
A_44_P863776	AW143280	EST293576 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIBJ34 5' end_mRNA sequence [AW143280]	0.37	0.00004
A_44_P534196	RGD1310950	PREDICTED: Rattus norvegicus similar to KIAA1078 protein (predicted) (LOC289400)_mRNA [XM_213983]	0.37	0.00001
A_44_P538531	PITPNB	Rattus norvegicus phosphatidylinositol transfer protein_beta (Pitpnb)_mRNA [NM_053742]	0.37	0.00000
A_44_P363805	LOC367108	Rattus norvegicus similar to 40S ribosomal protein S7 (S8) (LOC367108)_mRNA [XM_345950]	0.36	0.00467
A_42_P784541	MPV17L	PREDICTED: Rattus norvegicus Mpv17 transgene_kidney disease mutant-like (predicted) (Mpv17l_predicted)_mRNA [XM_340739]	0.36	0.00384
A_44_P508462	ANP32B	Rattus norvegicus acidic nuclear phosphoprotein 32 family_member B (Anp32b)_mRNA [NM_131911]	0.36	0.00355
A_44_P120890	CA509273	CA509273 UI-R-F50-cqr-i-23-0-UI.s1 NCI_CGAP_F50 Rattus norvegicus cDNA clone IMAGE:7357249 3'_mRNA sequence [CA509273]	0.36	0.00348
A_44_P958005	AA963087	AA963087 UI-R-E1-fx-b-09-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-fx-b-09-0-UI 3'_mRNA sequence [AA963087]	0.36	0.00228
A_43_P12467	PDE1A	Rattus norvegicus phosphodiesterase 1A_calmodulin-dependent (Pde1a)_mRNA [NM_030871]	0.36	0.00211
A_44_P540660	C3ORF6H	Rattus norvegicus putative C3orf6 protein homolog (human) (C3orf6h)_mRNA [NM_182736]	0.36	0.00205
A_44_P736196	BI292036	BI292036 UI-R-DN0-ciu-e-22-0-UI.s1 UI-R-DN0 Rattus norvegicus cDNA clone UI-R-DN0-ciu-e-22-0-UI 3'_mRNA sequence [BI292036]	0.36	0.00151
A_44_P1055903	RGD1563278	PREDICTED: Rattus norvegicus similar to Ubiquitin ligase protein DZIP3 (DAZ-interacting protein 3 homolog) (LOC303963)_mRNA [XM_221487]	0.36	0.00101
A_44_P138098	RGD1564981	PREDICTED: Rattus norvegicus similar to Nonspecific lipid-transfer protein_mitochondrial precursor (NSL-TP) (Sterol carrier protein 2) (SCP-2) (Sterol carrier protein X) (SCP-X) (LO	0.36	0.00084
A_43_P15918	RIMBP2	PREDICTED: Rattus norvegicus RIM binding protein 2 (LOC266780)_mRNA [XM_341071]	0.36	0.00073
A_44_P522524	NR4A2	Rattus norvegicus nuclear receptor subfamily 4_group A_member 2 (Nr4a2)_mRNA [NM_019328]	0.36	0.00056
A_44_P121446	MGC95001	Rattus norvegicus similar to CGI-100-like protein (MGC95001)_mRNA [NM_001007619]	0.36	0.00038
A_44_P163957	LOC363343	Rattus norvegicus LOC363343 (LOC363343)_mRNA [XM_343681]	0.36	0.00030
A_44_P944757	HNRPA1	Rattus norvegicus heterogeneous nuclear ribonucleoprotein A1 (Hnrpa1)_mRNA [NM_017248]	0.36	0.00029
A_44_P296230	AI175989	AI175989 EST219565 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone ROVBJ10 3' end_mRNA sequence [AI175989]	0.36	0.00026
A_44_P100197	MGC72997	Rattus norvegicus similar to 6030490101Rik (MGC72997)_mRNA [NM_001009537]	0.36	0.00023
A_44_P624643	TC547485	Q618F0 (Q618F0) Gag polyprotein_partial (7%) [TC547485]	0.36	0.00022
A_44_P452978	BE110169	BE110169 UI-R-BJ1-avf-h-05-0-UI.s1 UI-R-BJ1 Rattus norvegicus cDNA clone UI-R-BJ1-avf-h-05-0-UI 3'_mRNA sequence [BE110169]	0.36	0.00016
A_44_P516958	RGD1562407	PREDICTED: Rattus norvegicus similar to WAC (LOC307029)_mRNA [XM_225472]	0.36	0.00007
A_44_P362823	AW140970	AW140970 EST290982 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGIAW77 5' end similar to c-Ki-ras_mRNA sequence [AW140970]	0.36	0.00005
A_44_P147600	NPAT	PREDICTED: Rattus norvegicus nuclear protein in the AT region (predicted) (Npat_predicted)_mRNA [XM_236292]	0.36	0.00004
A_44_P518160	RGD1306255	PREDICTED: Rattus norvegicus similar to 2810453L12Rik protein (predicted) (LOC310807)_mRNA [XM_227619]	0.36	0.00001
A_44_P769703	NREP	Rattus norvegicus neuronal regeneration related protein (Nrep)_mRNA [NM_178096]	0.36	0.00000
A_44_P243881	ENSRNOT000000	Unknown	0.36	0.00000
A_44_P545314	VPS4A	Rattus norvegicus vacuolar protein sorting 4a (yeast) (Vps4a)_mRNA [NM_145678]	0.36	0.00000
A_43_P20765	M16829	RATPKCBI Rat protein kinase C (PKC) type beta-I gene_exon X [M16829]	0.35	0.00496
A_44_P349475	CDH2	Rattus norvegicus cadherin 2 (Cdh2)_mRNA [NM_031333]	0.35	0.00492
A_44_P838725	TC524202	Unknown	0.35	0.00475
A_43_P11955	SYN2	Rattus norvegicus synapsin II (Syn2)_transcript variant 2_mRNA [NM_019159]	0.35	0.00448
A_44_P349475	CDH2	Rattus norvegicus cadherin 2 (Cdh2)_mRNA [NM_031333]	0.35	0.00288
A_44_P823063	TC557437	Unknown	0.35	0.00271
A_44_P349475	CDH2	Rattus norvegicus cadherin 2 (Cdh2)_mRNA [NM_031333]	0.35	0.00238

A_44_P530356	AI502122	AI502122 UI-R-C2p-rx-d-04-0-UI.s2 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rx-d-04-0-UI 3' mRNA sequence [AI502122]	0.35	0.00147
A_44_P511228	XM_232629	Rattus norvegicus similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP) (LOC312921)_mRNA [XM_232629]	0.35	0.00130
A_44_P311945	RGD1310351	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 4732418C07 (predicted) (LOC298425)_mRNA [XM_216499]	0.35	0.00025
A_44_P351963	RGD1564739	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC296782)_mRNA [XM_216075]	0.35	0.00013
A_43_P17789	RGD1306256	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ30373 (predicted) (LOC361528)_mRNA [XM_341812]	0.35	0.00013
A_42_P650571	ENSRNOT0000004	Q6RY99 (Q6RY99) Gamma-hydroxybutyrate receptor_partial (4%) [TC521986]	0.35	0.00011
A_44_P299870	HSPCA	Rattus norvegicus heat shock protein 1_alpha (Hspca)_mRNA [NM_175761]	0.35	0.00005
A_42_P486763	PTMA	Rattus norvegicus prothymosin alpha (Ptma)_mRNA [NM_021740]	0.35	0.00003
A_43_P18261	MESDC2	Rattus norvegicus mesoderm development candiate 2 (Mesdc2)_mRNA [NM_001008345]	0.35	0.00002
A_44_P260751	NPTX1	Rattus norvegicus neuronal pentraxin 1 (Nptx1)_mRNA [NM_153735]	0.34	0.00469
A_44_P746137	XM_575744	PREDICTED: Rattus norvegicus similar to mKIAA1321 protein (LOC500386)_mRNA [XM_575744]	0.34	0.00396
A_44_P475084	BQ202862	BQ202862 UI-R-DO1-cms-k-02-0-UI.s1 UI-R-DO1 Rattus norvegicus cDNA clone UI-R-DO1-cms-k-02-0-UI 3' mRNA sequence [BQ202862]	0.34	0.00341
A_44_P935726	BG671630	BG671630 DRNBVG04 Rat DRG Library Rattus norvegicus cDNA clone DRNBVG04 5' mRNA sequence [BG671630]	0.34	0.00305
A_44_P404836	CP	Rattus norvegicus ceruloplasmin (Cp)_mRNA [NM_012532]	0.34	0.00297
A_44_P333146	XM_575249	PREDICTED: Rattus norvegicus similar to N-ethylmaleimide sensitive fusion protein attachment protein beta (LOC499903)_mRNA [XM_575249]	0.34	0.00285
A_44_P244535	AA997646	AA997646 UI-R-C0-hm-a-11-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hm-a-11-0-UI 3' mRNA sequence [AA997646]	0.34	0.00229
A_44_P156197	USH3A	Rattus norvegicus Usher syndrome 3A homolog (human) (Ush3a)_mRNA [NM_153299]	0.34	0.00207
A_44_P855100	BF564082	UI-R-C4-ald-b-11-0-UI.r1 UI-R-C4 Rattus norvegicus cDNA clone UI-R-C4-ald-b-11-0-UI 5' mRNA sequence [BF564082]	0.34	0.00181
A_44_P290231	PSAP	Rattus norvegicus prosaposin (Psap)_mRNA [NM_013013]	0.34	0.00145
A_42_P598679	TMEM16A	PREDICTED: Rattus norvegicus transmembrane protein 16A (predicted) (Tmem16a_predicted)_mRNA [XM_219695]	0.34	0.00135
A_43_P11210	NM_001034150	Rattus norvegicus signal recognition particle receptor ('docking protein') (Srpr)_mRNA [NM_001034150]	0.34	0.00124
A_44_P454719	RGD1562952	PREDICTED: Rattus norvegicus similar to ErbB2 interacting protein isoform 2 (LOC365661)_mRNA [XM_345147]	0.34	0.00098
A_44_P667548	A_44_P667548	Unknown	0.34	0.00090
A_42_P508722	AA964747	AA964747 UI-R-C0-gx-g-10-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-gx-g-10-0-UI 3' mRNA sequence [AA964747]	0.34	0.00083
A_44_P448181	CLSTN1	PREDICTED: Rattus norvegicus calyntenin 1 (predicted) (Clstn1_predicted)_mRNA [XM_243040]	0.34	0.00077
A_44_P170309	DY317431	AGENCOURT_66813378 NIH_MGC_365 Rattus norvegicus cDNA clone IMAGE:8365309 5' mRNA sequence [DY317431]	0.34	0.00055
A_44_P823461	TC542016	Unknown	0.34	0.00049
A_44_P518311	RBPSUH	PREDICTED: Rattus norvegicus recombining binding protein suppressor of hairless (Drosophila) (predicted) (Rbpsuh_predicted)_mRNA [XM_232595]	0.34	0.00048
A_44_P375447	XM_576713	PREDICTED: Rattus norvegicus LOC501300 (LOC501300)_mRNA [XM_576713]	0.34	0.00024
A_44_P978683	CK366797	AGENCOURT_17149318 NIH_MGC_231 Rattus norvegicus cDNA clone IMAGE:7099610 5' mRNA sequence [CK366797]	0.34	0.00015
A_43_P21118	DRE1	Rattus norvegicus Dre1 protein (Dre1)_mRNA [NM_181473]	0.34	0.00012
A_44_P498831	RGD1563583	PREDICTED: Rattus norvegicus similar to mKIAA0998 protein (LOC299208)_mRNA [XM_216751]	0.34	0.00011
A_44_P295430	XM_574205	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC498915)_mRNA [XM_574205]	0.34	0.00011
A_44_P484199	AI007835	AI007835 EST202286 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRAV51 3' end mRNA sequence [AI007835]	0.34	0.00007
A_44_P302476	XM_343707	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC363372)_mRNA [XM_343707]	0.34	0.00005
A_43_P12611	PTEN	Rattus norvegicus phosphatase and tensin homolog (Pten)_mRNA [NM_031606]	0.34	0.00005
A_44_P179622	BM986233	BM986233 EST531687 Rat gene index_normalized rat_norvegicus Rattus norvegicus cDNA clone RGIAB50 3' end similar to 57-KDa calcium-binding protein McABP_mRNA sequence [BM986233]	0.34	0.00005
A_44_P355947	RPL3	Rattus norvegicus ribosomal protein L3 (Rpl3)_mRNA [NM_198753]	0.34	0.00004
A_44_P776350	TC553984	Unknown	0.34	0.00002
A_44_P165855	TPT1	Rattus norvegicus tumor protein_translationally-controlled 1 (Tpt1)_mRNA [NM_053867]	0.34	0.00002
A_44_P487162	XM_574503	PREDICTED: Rattus norvegicus RAB6B_member RAS oncogene family (Rab6b)_mRNA [XM_574503]	0.34	0.00001
A_42_P749820	CDH13	Rattus norvegicus cadherin 13 (Cdh13)_mRNA [NM_138889]	0.34	0.00001
A_44_P365516	TGFB14	Rattus norvegicus (TSC-22) mRNA_complete cds. [L25785]	0.34	0.00000

A_44_P361830	AI406616	AI406616 EST234903 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRDP41 3' end_mRNA sequence [AI406616]	0.34	0.00000
A_44_P184163	J05276	RAT5HT1A Rat 5-hydroxytryptamine-1a receptor (5-HT-1a) gene_complete cds [J05276]	0.33	0.00417
A_44_P551463	CB545680	CB545680 AMGNNUC:NRDG1-00037-D12-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00037-d12 5'_mRNA sequence [CB545680]	0.33	0.00287
A_44_P292665	ST18	Rattus norvegicus suppression of tumorigenicity 18 (St18)_mRNA [NM_153310]	0.33	0.00268
A_44_P407507	KNS2	PREDICTED: Rattus norvegicus kinesin 2 (Kns2)_mRNA [XM_343114]	0.33	0.00257
A_44_P312309	EIF3S10	PREDICTED: Rattus norvegicus eukaryotic translation initiation factor 3_subunit 10 (theta) (predicted) (Eif3s10_predicted)_mRNA [XM_238649]	0.33	0.00207
A_44_P661776	A_44_P661776	Unknown	0.33	0.00175
A_44_P299598	ADD2	Rattus norvegicus similar to Beta adducin (Erythrocyte adducin beta subunit) (Adducin 63) (LOC362390)_mRNA [XM_342715]	0.33	0.00154
A_44_P218229	LOC363208	Rattus norvegicus LOC363208 (LOC363208)_mRNA [XM_347113]	0.33	0.00131
A_42_P531078	GSTA4	PREDICTED: Rattus norvegicus glutathione S-transferase_alpha 4 (predicted) (Gsta4_predicted)_mRNA [XM_217195]	0.33	0.00121
A_44_P387188	RBJ	PREDICTED: Rattus norvegicus RBJ protein (Rbj)_mRNA [XM_233943]	0.33	0.00100
A_44_P368192	XM_228096	Rattus norvegicus similar to protocadherin (LOC294352)_mRNA [XM_228096]	0.33	0.00096
A_43_P10359	NM_001014117	Rattus norvegicus similar to hypothetical protein MGC10067 (RGD1310386)_mRNA [NM_001014117]	0.33	0.00087
A_43_P10856	RGD1563950	PREDICTED: Rattus norvegicus similar to NF-kappa-B-repressing factor (NFKB-repressing factor) (Transcription factor NRF) (LOC298316)_mRNA [XM_233308]	0.33	0.00080
A_44_P341120	AI103284	AI103284 EST212573 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBZ67 3' end_mRNA sequence [AI103284]	0.33	0.00064
A_44_P553262	TC537534	Q8K2C9 (Q8K2C9) Butyrate-induced transcript 1_complete [TC537534]	0.33	0.00049
A_44_P791184	XM_576381	PREDICTED: Rattus norvegicus similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP-1) (Topoisom	0.33	0.00023
A_44_P106954	ARF1	Rattus norvegicus ADP-ribosylation factor 1 (Arf1)_mRNA [NM_022518]	0.33	0.00022
A_42_P595960	PPIA	Rattus norvegicus peptidylprolyl isomerase A (Ppia)_mRNA [NM_017101]	0.33	0.00021
A_44_P170120	RGD1309754	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2210415M20 (predicted) (LOC290851)_mRNA [XM_214382]	0.33	0.00016
A_44_P133335	RGD1566322	PREDICTED: Rattus norvegicus similar to Serine/threonine protein phosphatase PP1-beta catalytic subunit (PP-1B) (LOC301906)_mRNA [XM_217507]	0.33	0.00010
A_44_P144796	RGD1564497	Rattus norvegicus similar to Translationally controlled tumor protein (TCTP) (p23) (21 kDa polypeptide) (p21) (Lens epithelial protein) (LOC361115)_mRNA [XM_341403]	0.33	0.00010
A_43_P21650	RGD1306103	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2610017G09 (predicted) (LOC315722)_mRNA [XM_236306]	0.33	0.00005
A_43_P15761	GRIA1	Rattus norvegicus glutamate receptor_ionotropic_AMPA1 (alpha 1) (Gria1)_mRNA [NM_031608]	0.33	0.00003
A_44_P402956	PRKACB	PREDICTED: Rattus norvegicus similar to protein kinase_cAMP dependent_catalytic_beta (LOC293508)_mRNA [XM_215070]	0.33	0.00002
A_44_P1059795	EIF2S2	Rattus norvegicus eukaryotic translation initiation factor 2_subunit 2 (beta) (Eif2s2)_mRNA [NM_199380]	0.33	0.00000
A_44_P1057955	CD164	Rattus norvegicus CD164 antigen (Cd164)_mRNA [NM_031812]	0.33	0.00000
A_44_P524844	NFIX	PREDICTED: Rattus norvegicus nuclear factor I/X (Nfix)_mRNA [XM_213849]	0.33	0.00000
A_43_P13503	CB547798	CB547798 AMGNNUC:NRDG1-00058-G8-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00058-g8 5'_mRNA sequence [CB547798]	0.32	0.00482
A_44_P247923	STMN4	PREDICTED: Rattus norvegicus stathmin-like 4 (Stmn4)_mRNA [XM_341341]	0.32	0.00482
A_44_P292689	SYT1	Rattus norvegicus partial mRNA for synaptotagmin 1 (syt1 gene)_splice variant 4. [AJ617619]	0.32	0.00404
A_44_P621785	XM_576380	PREDICTED: Rattus norvegicus similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP-1) (Topoisom	0.32	0.00308
A_44_P410062	LOC290503	Rattus norvegicus similar to Pyruvate kinase_M2 isozyme (LOC290503)_mRNA [XM_224553]	0.32	0.00276
A_44_P205883	RAB14	Rattus norvegicus RAB14_member RAS oncogene family (Rab14)_mRNA [NM_053589]	0.32	0.00257
A_44_P228351	CD47	Rattus norvegicus CD47 antigen (Rh-related antigen_integrin-associated signal transducer) (Cd47)_mRNA [NM_019195]	0.32	0.00236
A_44_P557673	LGI2	PREDICTED: Rattus norvegicus leucine-rich repeat Lgi family_member 2 (predicted) (Lgi2_predicted)_mRNA [XM_223494]	0.32	0.00226
A_44_P806641	XM_576380	PREDICTED: Rattus norvegicus similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP-1) (Topoisom	0.32	0.00188
A_44_P732138	TC530706	Unknown	0.32	0.00184
A_44_P376505	BC083847	Rattus norvegicus similar to D330021B20 protein_mRNA (cDNA clone IMAGE:7121440)_partial cds. [BC083847]	0.32	0.00184
A_42_P652975	ARHGAP9	PREDICTED: Rattus norvegicus Rho GTPase activating protein 9 (predicted) (Arhgap9_predicted)_mRNA [XM_576241]	0.32	0.00126
A_44_P771124	BE105603	BE105603 UI-R-BX0-ash-g-11-0-UI.s1 UI-R-BX0 Rattus norvegicus cDNA clone UI-R-BX0-ash-g-11-0-UI 3'_mRNA sequence [BE105603]	0.32	0.00122
A_44_P452145	CAMK2B	Rattus norvegicus calcium/calmodulin-dependent protein kinase II beta subunit (Camk2b)_mRNA [NM_021739]	0.32	0.00084
A_44_P801044	NM_001025775	Rattus norvegicus similar to hypothetical protein D330021B20 (LOC501194)_mRNA [NM_001025775]	0.32	0.00074

A 44_P809953	TC531958	Unknown	0.32	0.00073
A 42_P498506	BE103448	BE103448 UI-R-BX0-arc-b-12-0-UI.s1 UI-R-BX0 Rattus norvegicus cDNA clone UI-R-BX0-arc-b-12-0-UI 3' mRNA sequence [BE103448]	0.32	0.00059
A 44_P458074	ID3	Rattus norvegicus inhibitor of DNA binding 3 (Id3) mRNA [NM_013058]	0.32	0.00036
A 44_P1034107	NM_001013946	Rattus norvegicus A kinase (PRKA) anchor protein 8-like (Akap8) mRNA [NM_001013946]	0.32	0.00030
A 44_P109303	SEC63	PREDICTED: Rattus norvegicus SEC63-like (S. cerevisiae) (predicted) (Sec63_predicted) mRNA [XM_228305]	0.32	0.00017
A 43_P11881	BCAT1	Rattus norvegicus branched chain aminotransferase 1 cytosolic (Bcat1) mRNA [NM_017253]	0.32	0.00014
A 44_P199274	DDX3X	PREDICTED: Rattus norvegicus DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 X-linked (Ddx3x) mRNA [XM_228701]	0.32	0.00010
A 44_P429083	ARHE	Rattus norvegicus ras homolog gene family member E (Arhe) mRNA [NM_001007641]	0.32	0.00008
A 44_P485305	LOC367390	PREDICTED: Rattus norvegicus similar to Integrin alpha-6 precursor (VLA-6) (CD49) (LOC367390) mRNA [XM_346121]	0.32	0.00004
A 44_P411881	XM_575696	PREDICTED: Rattus norvegicus LOC500344 (LOC500344) mRNA [XM_575696]	0.32	0.00001
A 43_P12761	ATP2B1	Rattus norvegicus ATPase Ca++ transporting plasma membrane 1 (Atp2b1) mRNA [NM_053311]	0.31	0.00472
A 44_P793124	TC543860	Q6TXI1 (Q6TXI1) LRRGT00018 partial (5%) [TC543860]	0.31	0.00322
A 44_P357420	MAMDC2	PREDICTED: Rattus norvegicus MAM domain containing 2 (predicted) (Mamdc2_predicted) mRNA [XM_219905]	0.31	0.00224
A 44_P341093	AI008687	AI008687 EST203138 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBB65 3' end mRNA sequence [AI008687]	0.31	0.00205
A 44_P428691	ELOVL6	Rattus norvegicus ELOVL family member 6 elongation of long chain fatty acids (yeast) (Elov6) mRNA [NM_134383]	0.31	0.00173
A 42_P765499	RGD1560393	PREDICTED: Rattus norvegicus similar to armadillo repeat-containing protein (LOC294948) mRNA [XM_215537]	0.31	0.00158
A 44_P636641	AY724480	Rattus norvegicus clone UI-R-FJ0-cpu-m-15-0-UI unknown mRNA [AY724480]	0.31	0.00129
A 44_P137322	LHX9	Rattus norvegicus LIM homeobox 9 (Lhx9) mRNA [NM_181367]	0.31	0.00121
A 44_P382449	A 44_P382449	Unknown	0.31	0.00118
A 44_P464371	RGD1305822	PREDICTED: Rattus norvegicus similar to KIAA0877 protein (predicted) (LOC315496) mRNA [XM_235970]	0.31	0.00103
A 44_P323320	GRM8	R.norvegicus mRNA for metabotropic glutamate receptor subtype 8b splice insertion. [Y11153]	0.31	0.00097
A 44_P251944	IDI1	Rattus norvegicus isopentenyl-diphosphate delta isomerase (Idi1) mRNA [NM_053539]	0.31	0.00078
A 44_P363181	CPD	Rattus norvegicus carboxypeptidase D (Cpd) mRNA [NM_012836]	0.31	0.00069
A 44_P638816	TC524524	AAF06086.1 partial (7%) [TC524524]	0.31	0.00068
A 44_P233742	TSPAN5	Rattus norvegicus tetraspanin 5 (Tspan5) mRNA [NM_001004090]	0.31	0.00068
A 44_P238733	MGC95001	Rattus norvegicus similar to CGI-100-like protein (MGC95001) mRNA [NM_001007619]	0.31	0.00062
A 44_P562335	TC543057	Unknown	0.31	0.00062
A 44_P137218	BI395685	BI395685 EST531556 Rat gene index_normalized rat_norvegicus Rattus norvegicus cDNA clone RGICC08 5' end mRNA sequence [BI395685]	0.31	0.00061
A 42_P668072	SMAD1	Rattus norvegicus MAD homolog 1 (Drosophila) (Smad1) mRNA [NM_013130]	0.31	0.00046
A 44_P455011	XM_576828	PREDICTED: Rattus norvegicus hypothetical gene supported by BC059164 (LOC501417) mRNA [XM_576828]	0.31	0.00038
A 44_P289951	AW914233	AW914233 EST345550 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIAC46 5' end mRNA sequence [AW914233]	0.31	0.00038
A 44_P1032285	NM_001024793	Rattus norvegicus cell division cycle 27 homolog (S. cerevisiae) (Cdc27) mRNA [NM_001024793]	0.31	0.00037
A 44_P264477	PACSIN1	Rattus norvegicus protein kinase C and casein kinase substrate in neurons 1 (Pacsin1) mRNA [NM_017294]	0.31	0.00027
A 44_P508906	XM_343652	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC363312) mRNA [XM_343652]	0.31	0.00027
A 44_P337930	LOC287855	PREDICTED: Rattus norvegicus hypothetical LOC287855 (LOC287855) mRNA [XM_221162]	0.31	0.00027
A 44_P477446	XM_573584	PREDICTED: Rattus norvegicus similar to signal recognition particle_72 kDa subunit (LOC498351) mRNA [XM_573584]	0.31	0.00023
A 42_P780613	HS3ST2	Rattus norvegicus heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (Hs3st2) mRNA [NM_181370]	0.31	0.00015
A 44_P149896	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337) mRNA [NM_001014221]	0.31	0.00011
A 44_P492581	KLHDC3	Rattus norvegicus kelch domain containing 3 (Klhdc3) mRNA [NM_001012203]	0.31	0.00011
A 44_P219668	ACAT1	Rattus norvegicus acetyl-coenzyme A acetyltransferase 1 (Acat1) mRNA [NM_017075]	0.31	0.00009
A 44_P349309	GRSF1	PREDICTED: Rattus norvegicus G-rich RNA sequence binding factor 1 (predicted) (Grsf1_predicted) mRNA [XM_223327]	0.31	0.00008
A 44_P229677	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337) mRNA [NM_001014221]	0.31	0.00007
A 44_P1021456	RGD1308847	PREDICTED: Rattus norvegicus similar to SPla/RYanodine receptor SPRY (1J970) (predicted) (LOC291860) mRNA [XM_214632]	0.31	0.00004

A_44_P216143	NM_001024269	Rattus norvegicus LUC7-like (S. cerevisiae) (Luc7l)_mRNA [NM_001024269]	0.31	0.00003
A_44_P400999	RGD1562337	PREDICTED: Rattus norvegicus similar to mesoderm induction early response 1 (MI-ER1) (LOC313418)_mRNA [XM_233245]	0.31	0.00003
A_44_P328872	XM_573294	PREDICTED: Rattus norvegicus similar to hypothetical protein A (LOC498088)_mRNA [XM_573294]	0.31	0.00002
A_44_P172604	UGCG	Rattus norvegicus UDP-glucose ceramide glucosyltransferase (Ugcg)_mRNA [NM_031795]	0.31	0.00001
A_44_P234460	RGD1565338	PREDICTED: Rattus norvegicus similar to voltage-dependent anion channel 1 (LOC299105)_mRNA [XM_216715]	0.31	0.00000
A_42_P554295	RGD1561393	PREDICTED: Rattus norvegicus similar to CG15133-PA (LOC361932)_mRNA [XM_342232]	0.3	0.00482
A_43_P15308	MTAP1A	Rattus norvegicus microtubule-associated protein 1 A (Mtap1a)_mRNA [NM_030995]	0.3	0.00469
A_44_P469154	AI101222	AI101222 EST210511 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRBK03 3' end_mRNA sequence [AI101222]	0.3	0.00452
A_43_P13894	EEA1	PREDICTED: Rattus norvegicus early endosome antigen 1 (predicted) (Eea1_predicted)_mRNA [XM_235064]	0.3	0.00439
A_44_P262934	NM_001013168	Rattus norvegicus DnaJ (Hsp40) homolog_subfamily C_member 8 (Dnajc8)_mRNA [NM_001013168]	0.3	0.00399
A_44_P121187	SCN2A1	Rattus norvegicus partial mRNA for voltage-gated sodium channel (scn2a gene). [AJ277391]	0.3	0.00334
A_44_P898805	A_44_P898805	Unknown	0.3	0.00279
A_44_P205301	GRINL1A	Rattus norvegicus glutamate receptor_ionotropic_N-methyl D-aspartate-like 1A (Grinl1a)_mRNA [NM_183402]	0.3	0.00264
A_44_P423803	ACTB	Rattus norvegicus actin_beta (Actb)_mRNA [NM_031144]	0.3	0.00226
A_44_P640644	TC519882	DDR2_MOUSE (Q62371) Discoidin domain receptor 2 precursor (Receptor protein-tyrosine kinase TKT) (Tyrosine-protein kinase TYRO 10) (Neurotrophic tyrosine kinase_receptor-related 3)	0.3	0.00224
A_44_P186818	GRM8	Rattus norvegicus glutamate receptor_metabotropic 8 (Grm8)_mRNA [NM_022202]	0.3	0.00132
A_44_P536806	PSMD7	PREDICTED: Rattus norvegicus proteasome (prosome_macropain) 26S subunit_non-ATPase_7 (predicted) (Psm7_predicted)_mRNA [XM_226439]	0.3	0.00131
A_44_P175837	RGD1560238	Rattus norvegicus similar to putative ionotropic glutamate receptor GLURR-F11694B (LOC317015)_mRNA [XM_229646]	0.3	0.00108
A_43_P20057	CB545427	CB545427 AMGNNUC:CR1-00027-F4-A Colon Rat 1 (10390) Rattus norvegicus cDNA clone cr1-00027-f4 5'_mRNA sequence [CB545427]	0.3	0.00104
A_44_P193966	ACSL6	Rattus norvegicus acyl-CoA synthetase long-chain family member 6 (Acsl6)_mRNA [NM_130739]	0.3	0.00098
A_43_P18277	NPEPPS	PREDICTED: Rattus norvegicus aminopeptidase puromycin sensitive (Npepps)_mRNA [XM_340889]	0.3	0.00091
A_44_P519963	PPM1A	Rattus norvegicus protein phosphatase 1A_magnesium dependent_alpha isoform (Ppm1a)_mRNA [NM_017038]	0.3	0.00065
A_44_P288359	RGD1563739	PREDICTED: Rattus norvegicus similar to tumor protein_translationally-controlled 1 (LOC289930)_mRNA [XM_223826]	0.3	0.00059
A_44_P398167	PRDX1	Rattus norvegicus peroxiredoxin 1 (Prdx1)_mRNA [NM_057114]	0.3	0.00046
A_44_P378129	ZFP451	Rattus norvegicus similar to zinc finger protein 451; coactivator for steroid receptors (LOC316312)_mRNA [XM_237039]	0.3	0.00027
A_44_P398641	LOC301986	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC301986)_mRNA [XM_217515]	0.3	0.00025
A_44_P361327	RGD1563249	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC316920)_mRNA [XM_229489]	0.3	0.00017
A_44_P234023	RGD1565260	PREDICTED: Rattus norvegicus similar to tumor protein_translationally-controlled 1 (LOC363970)_mRNA [XM_344131]	0.3	0.00017
A_43_P12519	S100A10	Rattus norvegicus S100 calcium binding protein A10 (calpactin) (S100a10)_mRNA [NM_031114]	0.3	0.00014
A_44_P232076	XM_576772	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC501359)_mRNA [XM_576772]	0.3	0.00014
A_44_P311917	LOC363369	PREDICTED: Rattus norvegicus hypothetical LOC363369 (LOC363369)_mRNA [XM_343704]	0.3	0.00014
A_44_P171155	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337)_mRNA [NM_001014221]	0.3	0.00013
A_44_P255728	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337)_mRNA [NM_001014221]	0.3	0.00012
A_44_P264379	PHAX	Rattus norvegicus phosphorylated adaptor for RNA export (Phax)_mRNA [NM_173133]	0.3	0.00011
A_44_P464295	LOC363354	PREDICTED: Rattus norvegicus hypothetical LOC363354 (LOC363354)_mRNA [XM_343690]	0.3	0.00007
A_44_P191022	PHYH	Rattus norvegicus phytanoyl-CoA hydroxylase (Phyh)_mRNA [NM_053674]	0.3	0.00006
A_43_P14604	AW143134	AW143134 EST293430 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIBE30 5' end_mRNA sequence [AW143134]	0.3	0.00004
A_44_P554917	RT1-CL	Rattus norvegicus RT1 class Ib_locus Cl (RT1-CI)_mRNA [NM_206848]	0.3	0.00001
A_44_P487157	RAB6A	Rattus norvegicus GTPase Rab6 mRNA_partial cds. [AF148210]	0.3	0.00000
A_42_P675802	OLFM3	Rattus norvegicus olfactomedin 3 (Olfm3)_mRNA [NM_145777]	0.3	0.00000
A_43_P16715	NM_001024903	Rattus norvegicus SERTA domain containing 2 (Sertad2)_mRNA [NM_001024903]	0.29	0.00494
A_44_P177381	AI556190	AI556190 UI-R-C2p-rd-f-06-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rd-f-06-0-UI 3'_mRNA sequence [AI556190]	0.29	0.00469
A_44_P293948	GHITM	Rattus norvegicus growth hormone inducible transmembrane protein (Ghitm)_mRNA [NM_001005908]	0.29	0.00467

A_44_P853254	TC555318	Q6KB31 (Q6KB31) 3 protein_partial (11%) [TC555318]	0.29	0.00430
A_44_P167259	BC087666	Rattus norvegicus cDNA clone IMAGE:7317367 [BC087666]	0.29	0.00413
A_44_P114424	XM_574845	PREDICTED: Rattus norvegicus similar to RGD1309360_predicted protein (LOC499521)_mRNA [XM_574845]	0.29	0.00346
A_44_P529114	AA818669	AA818669 UI-R-A0-az-h-07-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-az-h-07-0-UI 3' similar to emb [AA818669]	0.29	0.00327
A_44_P370855	XM_217409	PREDICTED: Rattus norvegicus bone morphogenic protein receptor_type II (serine/threonine kinase) (Bmpr2)_mRNA [XM_217409]	0.29	0.00260
A_44_P200292	RGD1561724	PREDICTED: Rattus norvegicus similar to mKIAA0716 protein (LOC366608)_mRNA [XM_345665]	0.29	0.00257
A_44_P487930	BE112513	BE112513 UI-R-BJ1-avi-e-12-0-UI.s1 UI-R-BJ1 Rattus norvegicus cDNA clone UI-R-BJ1-avi-e-12-0-UI 3'_mRNA sequence [BE112513]	0.29	0.00231
A_44_P328474	RYR2	PREDICTED: Rattus norvegicus ryanodine receptor 2_cardiac (Ryr2)_mRNA [XM_341548]	0.29	0.00218
A_44_P550738	NM_001014172	Rattus norvegicus similar to RIKEN cDNA 1200013F24 (RGD1304968)_mRNA [NM_001014172]	0.29	0.00175
A_44_P509365	AI233699	AI233699 EST230387 Normalized rat kidney_Bento Soares Rattus sp. cDNA clone RKIDJ07 3' end_mRNA sequence [AI233699]	0.29	0.00147
A_42_P698874	RGD1309059	PREDICTED: Rattus norvegicus similar to KIAA2010 protein (predicted) (LOC314388)_mRNA [XM_234484]	0.29	0.00142
A_44_P377929	AA892994	AA892994 EST196797 Normalized rat kidney_Bento Soares Rattus sp. cDNA clone RKIBA84 3' end_mRNA sequence [AA892994]	0.29	0.00142
A_42_P658815	ATP6V1E1	Rattus norvegicus ATPase_H+ transporting_V1 subunit E isoform 1 (Atp6v1e1)_mRNA [NM_198745]	0.29	0.00123
A_44_P1038593	ZFP312	PREDICTED: Rattus norvegicus zinc finger protein 312 (predicted) (Zfp312_predicted)_mRNA [XM_223820]	0.29	0.00123
A_43_P11527	ADM	Rattus norvegicus adrenomedullin (Adm)_mRNA [NM_012715]	0.29	0.00119
A_44_P996423	RGD1307672	Rattus norvegicus hypothetical LOC294390 (RGD1307672)_mRNA [NM_001008308]	0.29	0.00104
A_42_P503281	CLIC5	Rattus norvegicus chloride intracellular channel 5 (Clic5)_mRNA [NM_053603]	0.29	0.00101
A_44_P446599	AA944265	AA944265 EST199764 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMAE41 3' end_mRNA sequence [AA944265]	0.29	0.00085
A_44_P853733	TC523243	Unknown	0.29	0.00084
A_44_P518233	RGD1309979	PREDICTED: Rattus norvegicus similar to chromosome 20 open reading frame 116 (predicted) (LOC296162)_mRNA [XM_215848]	0.29	0.00080
A_44_P536315	XM_343639	PREDICTED: Rattus norvegicus RAB12_member RAS oncogene family (Rab12)_mRNA [XM_343639]	0.29	0.00048
A_44_P1013157	RGD1309634	PREDICTED: Rattus norvegicus hypothetical LOC305452 (predicted) (LOC305452)_mRNA [XM_223536]	0.29	0.00048
A_44_P210440	AKAP13	PREDICTED: Rattus norvegicus A kinase (PRKA) anchor protein 13 (Akap13)_mRNA [XM_214969]	0.29	0.00046
A_44_P208720	XM_576797	PREDICTED: Rattus norvegicus hypothetical gene supported by BC082068 (LOC501384)_mRNA [XM_576797]	0.29	0.00040
A_44_P850336	BG673380	BG673380 DRNBTH09 Rat DRG Library Rattus norvegicus cDNA clone DRNBTH09 5'_mRNA sequence [BG673380]	0.29	0.00036
A_44_P959647	A_44_P959647	Unknown	0.29	0.00022
A_44_P173437	XM_576693	PREDICTED: Rattus norvegicus hypothetical gene supported by BC082068 (LOC501278)_mRNA [XM_576693]	0.29	0.00021
A_42_P768978	NRP1	Rattus norvegicus neuropilin 1 (Nrp1)_mRNA [NM_145098]	0.29	0.00016
A_44_P398792	TPT1	Rattus norvegicus tumor protein_translationally-controlled 1 (Tpt1)_mRNA [NM_053867]	0.29	0.00015
A_44_P447781	XM_576713	PREDICTED: Rattus norvegicus LOC501300 (LOC501300)_mRNA [XM_576713]	0.29	0.00013
A_44_P295414	XM_574205	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC498915)_mRNA [XM_574205]	0.29	0.00010
A_44_P520190	SEC5L1	Rattus norvegicus Rsec5 protein (Sec5l1)_mRNA [NM_134414]	0.29	0.00009
A_44_P443367	XM_343646	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC363305)_mRNA [XM_343646]	0.29	0.00008
A_44_P106351	AW528637	AW528637 UI-R-BO1-ajr-f-08-0-UI.s1 UI-R-BO1 Rattus norvegicus cDNA clone UI-R-BO1-ajr-f-08-0-UI 3'_mRNA sequence [AW528637]	0.29	0.00004
A_44_P477224	RGD1306256	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ30373 (predicted) (LOC361528)_mRNA [XM_341812]	0.29	0.00002
A_44_P1035720	KIN	Rattus norvegicus similar to Kin protein (LOC361270)_mRNA [XM_341554]	0.29	0.00000
A_43_P15426	TRPC3	Rattus norvegicus transient receptor potential cation channel_subfamily C_member 3 (Trpc3)_mRNA [NM_021771]	0.29	0.00000
A_44_P415400	AA849536	AA849536 EST192303 Normalized rat muscle_Bento Soares Rattus sp. cDNA clone R MUAG04 3' end_mRNA sequence [AA849536]	0.28	0.00339
A_44_P941990	BF548061	BF548061 UI-R-A0-bh-f-08-0-UI.r1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-bh-f-08-0-UI 5'_mRNA sequence [BF548061]	0.28	0.00306
A_44_P440923	RPL18	Rattus norvegicus ribosomal protein L18 (Rpl18)_mRNA [NM_031102]	0.28	0.00294
A_44_P363410	PPFIA1	PREDICTED: Rattus norvegicus protein tyrosine phosphatase_receptor type_f polypeptide (PTPRF)_interacting protein_alpha 1 (predicted) (Ppfia1_predicted)_mRNA [XM_238162]	0.28	0.00285
A_44_P141377	DBI	Rattus norvegicus diazepam binding inhibitor (Dbi)_mRNA [NM_031853]	0.28	0.00284
A_44_P385782	AW141698	AW141698 EST291777 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGICD54 5' end similar to stearyl-CoA desaturase 2_mRNA sequence [AW141698]	0.28	0.00284

A 44_P465798	BF397977	BF397977 UI-R-BS2-bef-h-06-0-UI.s1 UI-R-BS2 Rattus norvegicus cDNA clone UI-R-BS2-bef-h-06-0-UI 3' mRNA sequence [BF397977]	0.28	0.00264
A 44_P200116	PDE10A	Rattus norvegicus phosphodiesterase 10A (Pde10a)_ mRNA [NM_022236]	0.28	0.00217
A 44_P211970	AA944455	AA944455 EST199954 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMAJ43 3' end_ mRNA sequence [AA944455]	0.28	0.00182
A 42_P606938	RPL18	Rattus norvegicus ribosomal protein L18 (Rpl18)_ mRNA [NM_031102]	0.28	0.00174
A 44_P276916	LOC287855	PREDICTED: Rattus norvegicus hypothetical LOC287855 (LOC287855)_ mRNA [XM_221162]	0.28	0.00159
A 44_P897442	NXPH1	Rattus norvegicus neurexophilin 1 (Nxph1)_ mRNA [NM_012994]	0.28	0.00154
A 44_P929197	A 44_P929197	Unknown	0.28	0.00136
A 42_P549321	TC523765	Unknown	0.28	0.00133
A 44_P382979	GJA5	Rattus norvegicus gap junction membrane channel protein alpha 5 (Gja5)_ mRNA [NM_019280]	0.28	0.00131
A 44_P959251	A 44_P959251	Unknown	0.28	0.00129
A 44_P274036	NM_057202	Rattus norvegicus kinesin family member 5B (Kif5b)_ mRNA [NM_057202]	0.28	0.00115
A 44_P620665	RGD1305976	PREDICTED: Rattus norvegicus similar to RIKEN cDNA C920006C10 (predicted) (LOC362923)_ mRNA [XM_343253]	0.28	0.00108
A 44_P180786	PLEKHB2	PREDICTED: Rattus norvegicus pleckstrin homology domain containing_ family B (evectins) member 2 (predicted) (Plekhb2_predicted)_ mRNA [XM_217372]	0.28	0.00090
A 43_P12212	CAP1	Rattus norvegicus CAP_ adenylate cyclase-associated protein 1 (yeast) (Cap1)_ mRNA [NM_022383]	0.28	0.00089
A 44_P621304	A 44_P621304	Unknown	0.28	0.00068
A 44_P823383	TC558225	Unknown	0.28	0.00046
A 44_P114352	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337)_ mRNA [NM_001014221]	0.28	0.00045
A 44_P480234	AF146738	Rattus norvegicus testis specific protein (AF146738)_ mRNA [NM_138865]	0.28	0.00030
A 44_P124121	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337)_ mRNA [NM_001014221]	0.28	0.00028
A 44_P231792	RGD1564936	PREDICTED: Rattus norvegicus similar to Vacuolar ATP synthase subunit S1 precursor (V-ATPase S1 subunit) (V-ATPase S1 accessory protein) (V-ATPase Ac45 subunit) (XAP-3) (LOC3618	0.28	0.00026
A 44_P755803	AI145976	AI145976 UI-R-BT0-qc-g-05-0-UI.s1 UI-R-BT0 Rattus norvegicus cDNA clone UI-R-BT0-qc-g-05-0-UI 3' mRNA sequence [AI145976]	0.28	0.00026
A 44_P328323	RGD1564808	PREDICTED: Rattus norvegicus similar to ubiquitin specific protease 46 (LOC289584)_ mRNA [XM_214034]	0.28	0.00021
A 44_P252345	AW919066	AW919066 EST350370 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIFC34 5' end_ mRNA sequence [AW919066]	0.28	0.00019
A 44_P188831	AI1717310	AI1717310 UI-R-Y0-aca-f-01-0-UI.s1 UI-R-Y0 Rattus norvegicus cDNA clone UI-R-Y0-aca-f-01-0-UI 3' mRNA sequence [AI1717310]	0.28	0.00016
A 43_P10312	RGD1305822	PREDICTED: Rattus norvegicus similar to KIAA0877 protein (predicted) (LOC315496)_ mRNA [XM_235970]	0.28	0.00013
A 44_P790553	A 44_P790553	Unknown	0.28	0.00012
A 44_P575816	LOC363369	PREDICTED: Rattus norvegicus hypothetical LOC363369 (LOC363369)_ mRNA [XM_343704]	0.28	0.00010
A 44_P180294	RGD1311309	PREDICTED: Rattus norvegicus similar to 2510002A14Rik protein (predicted) (LOC364144)_ mRNA [XM_344235]	0.28	0.00010
A 44_P128747	XM_343745	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363422)_ mRNA [XM_343745]	0.28	0.00008
A 44_P318435	CCT5	Rattus norvegicus chaperonin subunit 5 (epsilon) (Cct5)_ mRNA [NM_001004078]	0.28	0.00007
A 44_P158316	BF284692	BF284692 EST449283 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEV02 3' sequence_ mRNA sequence [BF284692]	0.28	0.00002
A 44_P314735	AI137547	AI137547 UI-R-C2p-oc-g-06-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-oc-g-06-0-UI 3' mRNA sequence [AI137547]	0.28	0.00000
A 44_P668582	TC521397	Unknown	0.27	0.00500
A 43_P21364	LOC363009	PREDICTED: Rattus norvegicus similar to mKIAA0701 protein (LOC363009)_ mRNA [XM_343342]	0.27	0.00478
A 44_P280062	AA925532	AA925532 UI-R-A1-em-f-08-0-UI.s1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-em-f-08-0-UI 3' similar to gi [AA925532]	0.27	0.00428
A 43_P22936	AKAP3	Rattus norvegicus A-kinase anchor protein 3 (Akap3)_ mRNA [NM_001005557]	0.27	0.00324
A 44_P507829	AI176590	AI176590 EST220178 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVBU25 3' end_ mRNA sequence [AI176590]	0.27	0.00304
A 44_P944550	A 44_P944550	Unknown	0.27	0.00276
A 44_P300506	CALR	Rattus norvegicus calreticulin (Calr)_ mRNA [NM_022399]	0.27	0.00238
A 44_P222845	MYO5C	Rattus norvegicus similar to Myosin Vc (Myosin 5C) (LOC315820)_ mRNA [XM_236411]	0.27	0.00222
A 44_P358492	FDF1	Rattus norvegicus farnesyl diphosphate farnesyl transferase 1 (Fdf1)_ mRNA [NM_019238]	0.27	0.00217

A 44_P109957	ENSRNOT000000	Unknown	0.27	0.00204
A 44_P623844	TC526485	Q61399 (Q61399) Cyclin-dependent protein kinase_ partial (16%) [TC526485]	0.27	0.00175
A 44_P239009	XM_575487	PREDICTED: Rattus norvegicus similar to Glycyl-tRNA synthetase (LOC500135)_ mRNA [XM_575487]	0.27	0.00164
A 44_P159191	PURA	PREDICTED: Rattus norvegicus purine rich element binding protein A (predicted) (Pura_predicted)_ mRNA [XM_226016]	0.27	0.00154
A 44_P933782	TC547109	Unknown	0.27	0.00146
A 44_P338864	NAP1L1	Rattus norvegicus nucleosome assembly protein 1-like 1 (Nap1l1)_ mRNA [NM_053561]	0.27	0.00145
A 44_P387078	RBM28	PREDICTED: Rattus norvegicus RNA binding motif protein 28 (predicted) (Rbm28_predicted)_ mRNA [XM_231550]	0.27	0.00133
A 44_P1051281	TPR	PREDICTED: Rattus norvegicus translocated promoter region (predicted) (Tpr_predicted)_ mRNA [XM_222745]	0.27	0.00128
A 43_P10346	CB547689	CB547689 AMGNNUC:CDRG1-00019-B12-A cdrg1 (10898) Rattus norvegicus cDNA clone cdrg1-00019-b12 5'_ mRNA sequence [CB547689]	0.27	0.00126
A 44_P384628	LOC291871	Rattus norvegicus similar to heat shock protein 84 - mouse (LOC291871)_ mRNA [XM_226259]	0.27	0.00095
A 44_P422152	LOC363395	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC363395)_ mRNA [XM_343725]	0.27	0.00074
A 44_P439942	AI599392	AI599392 EST251095 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMEO50 3' end_ mRNA sequence [AI599392]	0.27	0.00074
A 44_P175349	CRISPLD2	Rattus norvegicus cysteine-rich secretory protein LCCL domain containing 2 (Crispld2)_ mRNA [NM_138518]	0.27	0.00070
A 44_P243145	NSF	Rattus norvegicus N-ethylmaleimide sensitive fusion protein (Nsf)_ mRNA [NM_021748]	0.27	0.00070
A 42_P515028	TC556556	Q91ZB0 (Q91ZB0) Heart alpha-kinase (Fragment)_ partial (5%) [TC556556]	0.27	0.00070
A 44_P465684	BE120816	BE120816 UI-R-BS1-azs-h-03-0-UI.s1 UI-R-BS1 Rattus norvegicus cDNA clone UI-R-BS1-azs-h-03-0-UI 3'_ mRNA sequence [BE120816]	0.27	0.00050
A 44_P371050	AA851185	AA851185 EST193953 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLAD56 3' end_ mRNA sequence [AA851185]	0.27	0.00040
A 44_P211061	ETV1	PREDICTED: Rattus norvegicus ets variant gene 1 (predicted) (Etv1_predicted)_ mRNA [XM_343055]	0.27	0.00038
A 44_P157024	XM_576723	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC501310)_ mRNA [XM_576723]	0.27	0.00036
A 44_P400884	XM_345073	Rattus norvegicus similar to destrin - rat (LOC365524)_ mRNA [XM_345073]	0.27	0.00030
A 44_P1022237	RAB26	Rattus norvegicus RAB26_ member RAS oncogene family (Rab26)_ mRNA [NM_133580]	0.27	0.00027
A 44_P1054506	AI176401	AI176401 EST219985 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVBR31 3' end_ mRNA sequence [AI176401]	0.27	0.00024
A 44_P183016	XM_343695	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC363360)_ mRNA [XM_343695]	0.27	0.00013
A 43_P18329	STIM1	PREDICTED: Rattus norvegicus stromal interaction molecule 1 (predicted) (Stim1_predicted)_ mRNA [XM_341896]	0.27	0.00005
A 44_P367761	CCNG1	Rattus norvegicus cyclin G1 (Cng1)_ mRNA [NM_012923]	0.27	0.00004
A 44_P574057	BF290303	BF290303 EST454894 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHU78 3' sequence_ mRNA sequence [BF290303]	0.27	0.00003
A 44_P460250	AA858928	AA858928 UI-R-A0-bi-h-01-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-bi-h-01-0-UI 3' similar to gb [AA858928]	0.27	0.00003
A 44_P241230	A 44_P241230	Unknown	0.27	0.00001
A 44_P381881	STAT3	Rattus norvegicus signal transducer and activator of transcription 3 (Stat3)_ mRNA [NM_012747]	0.27	0.00000
A 44_P419275	DCAMKL1	Rattus norvegicus double cortin and calcium/calmodulin-dependent protein kinase-like 1 (Dcamkl1)_ mRNA [NM_053343]	0.27	0.00000
A 44_P822078	XM_576832	PREDICTED: Rattus norvegicus similar to glutamate receptor_ ionotropic_ N-methyl D-aspartate-like 1A (LOC501422)_ mRNA [XM_576832]	0.26	0.00484
A 44_P100959	LOC312030	PREDICTED: Rattus norvegicus similar to mKIAA3013 protein (LOC312030)_ mRNA [XM_231361]	0.26	0.00480
A 42_P620042	GSK3B	Rattus norvegicus glycogen synthase kinase 3 beta (Gsk3b)_ mRNA [NM_032080]	0.26	0.00461
A 44_P246595	BE116029	BE116029 UI-R-BS1-axy-f-09-0-UI.s1 UI-R-BS1 Rattus norvegicus cDNA clone UI-R-BS1-axy-f-09-0-UI 3'_ mRNA sequence [BE116029]	0.26	0.00360
A 44_P276932	A 44_P276932	Unknown	0.26	0.00331
A 44_P152500	AA956059	AA956059 UI-R-E1-fh-a-02-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-fh-a-02-0-UI 3'_ mRNA sequence [AA956059]	0.26	0.00326
A 44_P590876	XM_575596	PREDICTED: Rattus norvegicus similar to Rho-GTPase-activating protein 25 (LOC500246)_ mRNA [XM_575596]	0.26	0.00266
A 44_P1029435	RGD1308501	PREDICTED: Rattus norvegicus similar to protein phosphatase type 1B (formerly 2C)_ Mg-dependent_ beta isoform (predicted) (LOC312381)_ mRNA [XM_231833]	0.26	0.00246
A 44_P208857	MLC1	PREDICTED: Rattus norvegicus megalencephalic leukoencephalopathy with subcortical cysts 1 (predicted) (Mlc1_predicted)_ mRNA [XM_235558]	0.26	0.00238
A 44_P465554	VDAC2	Rattus norvegicus voltage-dependent anion channel 2 (Vdac2)_ mRNA [NM_031354]	0.26	0.00223
A 44_P304825	A 44_P304825	Unknown	0.26	0.00107
A 44_P196401	RT1-AW2	Rattus norvegicus mRNA for mature MHC class Ib alpha chain. [Y13890]	0.26	0.00106
A 44_P517686	TOMM70A	Rattus norvegicus translocase of outer mitochondrial membrane 70 homolog A (Tomm70a)_ mRNA [NM_212519]	0.26	0.00104



A_44_P484902	PITPN	Rattus norvegicus phosphatidylinositol transfer protein (Pitpn)_mRNA [NM_017231]	0.26	0.00100
A_44_P239985	AF6	Rattus norvegicus afadin (Af6)_mRNA [NM_013217]	0.26	0.00074
A_44_P460947	AA998677	AA998677 UI-R-C0-ig-g-06-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-ig-g-06-0-UI 3' mRNA sequence [AA998677]	0.26	0.00067
A_44_P185294	LOC363336	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363336)_mRNA [XM_343674]	0.26	0.00058
A_44_P1034209	LOC305078	PREDICTED: Rattus norvegicus laminin chain (LOC305078)_mRNA [XM_223087]	0.26	0.00037
A_44_P766535	AW917640	AW917640 EST348944 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIEG33 5' end_mRNA sequence [AW917640]	0.26	0.00024
A_44_P516038	RGD1359144	Rattus norvegicus similar to chromosome 14 open reading frame 130 (RGD1359144)_mRNA [NM_001007705]	0.26	0.00022
A_44_P324430	MDH1	Rattus norvegicus malate dehydrogenase 1_NAD (soluble) (Mdh1)_mRNA [NM_033235]	0.26	0.00020
A_44_P440944	XM_341649	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC361372)_mRNA [XM_341649]	0.26	0.00012
A_43_P19032	CB548230	CB548230 AMGNNUC:NRDG1-00115-F7-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00115-f7 5' mRNA sequence [CB548230]	0.26	0.00007
A_44_P223041	BQ200849	BQ200849 UI-R-EB1-clq-k-10-0-UI.s1 UI-R-EB1 Rattus norvegicus cDNA clone UI-R-EB1-clq-k-10-0-UI 3' mRNA sequence [BQ200849]	0.26	0.00007
A_44_P579630	TC526418	Q8R4C9 (Q8R4C9) RNA-binding protein staufen splice form B_partial (18%) [TC526418]	0.26	0.00006
A_43_P11971	CD47	Rattus norvegicus CD47 antigen (Rh-related antigen_integrin-associated signal transducer) (Cd47)_mRNA [NM_019195]	0.26	0.00004
A_43_P14506	TC562927	Unknown	0.26	0.00003
A_44_P508264	CDKN1B	Rattus norvegicus cyclin-dependent kinase inhibitor 1B (Cdkn1b)_mRNA [NM_031762]	0.26	0.00002
A_44_P173876	PANK1	PREDICTED: Rattus norvegicus pantothenate kinase 1 (predicted) (Pank1_predicted)_mRNA [XM_215283]	0.26	0.00001
A_44_P777181	CV115445	AGENCOURT_31523158 NIH_MGC_269 Rattus norvegicus cDNA clone IMAGE:7462409 5' mRNA sequence [CV115445]	0.26	0.00000
A_44_P213415	VDAC1	Rattus norvegicus voltage-dependent anion channel 1 (Vdac1)_mRNA [NM_031353]	0.26	0.00000
A_44_P903977	TC532772	Unknown	0.25	0.00347
A_44_P243238	GOT2	Rattus norvegicus glutamate oxaloacetate transaminase 2 (Got2)_mRNA [NM_013177]	0.25	0.00344
A_44_P100207	CNP1	Rattus norvegicus cyclic nucleotide phosphodiesterase 1 (Cnp1)_mRNA [NM_012809]	0.25	0.00340
A_44_P156450	PPM1B	Rattus norvegicus protein phosphatase 1B_magnesium dependent_beta isoform (Ppm1b)_mRNA [NM_033096]	0.25	0.00309
A_44_P399038	BF559096	BF559096 UI-R-C1-kv-e-03-0-UI.r1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-kv-e-03-0-UI 5' mRNA sequence [BF559096]	0.25	0.00287
A_44_P226231	SLC1A2	Rattus norvegicus glutamate transporter splice variant GLT1a mRNA_partial cds; alternatively spliced. [AY069978]	0.25	0.00271
A_43_P10714	RGD1559803	PREDICTED: Rattus norvegicus similar to maestro (LOC361348)_mRNA [XM_341629]	0.25	0.00249
A_44_P285161	AI101103	AI101103 EST210392 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRBF53 3' end_mRNA sequence [AI101103]	0.25	0.00236
A_44_P412427	RGD1311475	Rattus norvegicus similar to FLJ00354 protein (LOC293698)_mRNA [XM_215206]	0.25	0.00232
A_43_P16992	AUH	PREDICTED: Rattus norvegicus AU RNA binding protein/enoyl-coenzyme A hydratase (predicted) (Auh_predicted)_mRNA [XM_341497]	0.25	0.00193
A_44_P353212	AI175556	AI175556 EST219111 Normalized rat muscle_Bento Soares Rattus sp. cDNA clone RMUCO93 3' end_mRNA sequence [AI175556]	0.25	0.00186
A_44_P121796	XM_576895	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC501489)_mRNA [XM_576895]	0.25	0.00186
A_43_P20205	LDB2	PREDICTED: Rattus norvegicus LIM domain binding 2 (predicted) (Ldb2_predicted)_mRNA [XM_214054]	0.25	0.00185
A_44_P321945	NM_001013126	Rattus norvegicus NAD(P)H:quinone oxidoreductase type 3_polypeptide A2 (Nqo3a2)_mRNA [NM_001013126]	0.25	0.00157
A_42_P541857	CAB39	PREDICTED: Rattus norvegicus calcium binding protein 39 (predicted) (Cab39_predicted)_mRNA [XM_217464]	0.25	0.00147
A_44_P596376	TC550080	Unknown	0.25	0.00145
A_44_P274550	UBE2D1	PREDICTED: Rattus norvegicus ubiquitin-conjugating enzyme E2D 1_UBC4/5 homolog (yeast) (predicted) (Ube2d1_predicted)_mRNA [XM_342125]	0.25	0.00107
A_44_P255305	RGS17	PREDICTED: Rattus norvegicus regulator of G-protein signaling 17 (predicted) (Rgs17_predicted)_mRNA [XM_217837]	0.25	0.00105
A_43_P12983	PIP5K2A	Rattus norvegicus phosphatidylinositol-4-phosphate 5-kinase_type II_alpha (Pip5k2a)_mRNA [NM_053926]	0.25	0.00105
A_44_P837006	A_44_P837006	Unknown	0.25	0.00088
A_43_P21509	RGD1307626	PREDICTED: Rattus norvegicus similar to Ribonuclease III (RNase III) (p241) (predicted) (RGD1307626_predicted)_mRNA [XM_226843]	0.25	0.00086
A_44_P729134	A_44_P729134	Unknown	0.25	0.00083
A_44_P869091	BC099764	Rattus norvegicus cDNA clone IMAGE:7930522 [BC099764]	0.25	0.00083
A_44_P388497	BF283661	BF283661 EST448252 Rat Gene Index_normalized rat_Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEF18 3' sequence_mRNA sequence [BF283661]	0.25	0.00062
A_44_P807660	TC555479	BC016047 CLDN23 protein {Homo sapiens;}_partial (7%) [TC555479]	0.25	0.00061

A 44_P212695	RGD1565183	PREDICTED: Rattus norvegicus similar to ribosomal protein L28 (LOC293846)_ mRNA [XM_212890]	0.25	0.00047
A 44_P578164	TC545684	Unknown	0.25	0.00047
A 44_P135786	NM_001014221	Rattus norvegicus similar to RIKEN cDNA 1700081O22 (LOC363337)_ mRNA [NM_001014221]	0.25	0.00046
A 44_P446409	ATF2	Rattus norvegicus activating transcription factor 2 (Atf2)_ mRNA [NM_031018]	0.25	0.00041
A 44_P274624	XM_346200	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC367530)_ mRNA [XM_346200]	0.25	0.00025
A 43_P12839	SYBL1	Rattus norvegicus synaptobrevin-like 1 (Sybl1)_ mRNA [NM_053531]	0.25	0.00023
A 44_P988486	AA963194	AA963194 UI-R-E1-gh-d-08-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-gh-d-08-0-UI 3'_ mRNA sequence [AA963194]	0.25	0.00021
A 44_P641046	TC562843	Q72MK6 (Q72MK6) Sodium/hydrogen antiporter_ partial (4%) [TC562843]	0.25	0.00020
A 43_P17203	BF523141	BF523141 UI-R-C3-sl-b-09-0-UI.r1 UI-R-C3 Rattus norvegicus cDNA clone UI-R-C3-sl-b-09-0-UI 5'_ mRNA sequence [BF523141]	0.25	0.00015
A 44_P440178	XM_574941	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2810489O06 (LOC499615)_ mRNA [XM_574941]	0.25	0.00011
A 44_P203812	NM_001039606	Rattus norvegicus GDP-mannose 4_6-dehydratase (Gm5)_ mRNA [NM_001039606]	0.25	0.00001
A 43_P15689	AF473850	Rattus norvegicus vitamin A-deficient testicular protein 10-like mRNA_ partial sequence [AF473850]	0.24	0.00435
A 42_P734868	KCNAB3	Rattus norvegicus potassium voltage gated channel_ shaker related subfamily_ beta member 3 (Kcnab3)_ mRNA [NM_031652]	0.24	0.00430
A 44_P960491	UAP1	PREDICTED: Rattus norvegicus similar to UDP-N-acetylglucosamine pyrophosphorylase 1 homolog (LOC498272)_ mRNA [XM_573497]	0.24	0.00361
A 44_P389904	KCNQ3	Rattus norvegicus potassium voltage-gated channel_ subfamily Q_ member 3 (Kcnq3)_ mRNA [NM_031597]	0.24	0.00360
A 42_P684295	SLC15A1	Rattus norvegicus solute carrier family 15 (oligopeptide transporter)_ member 1 (Slc15a1)_ mRNA [NM_057121]	0.24	0.00359
A 44_P884188	TC520829	Unknown	0.24	0.00298
A 44_P296859	AA946063	AA946063 EST201562 Normalized rat lung_ Bento Soares Rattus sp. cDNA clone RLUBA76 3' end_ mRNA sequence [AA946063]	0.24	0.00275
A 44_P400591	A 44_P400591	Unknown	0.24	0.00259
A 44_P421887	RGD1564227	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 5730557B15 (LOC310200)_ mRNA [XM_226907]	0.24	0.00234
A 44_P545363	FH1	Rattus norvegicus fumarate hydratase 1 (Fh1)_ mRNA [NM_017005]	0.24	0.00198
A 44_P123994	NM_001033666	Rattus norvegicus destrin (Dstn)_ mRNA [NM_001033666]	0.24	0.00163
A 44_P449263	AW915889	AW915889 EST347193 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDC15 5' end_ mRNA sequence [AW915889]	0.24	0.00160
A 44_P623516	TC541972	Unknown	0.24	0.00151
A 44_P621328	A 44_P621328	Unknown	0.24	0.00141
A 44_P342334	LOC294660	PREDICTED: Rattus norvegicus similar to peroxiredoxin 1 (LOC294660)_ mRNA [XM_212921]	0.24	0.00138
A 44_P487532	RGD1563041	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 4930577M16 (LOC365924)_ mRNA [XM_345284]	0.24	0.00121
A 44_P302479	LOC363424	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC363424)_ mRNA [XM_343747]	0.24	0.00116
A 44_P422144	LOC296777	PREDICTED: Rattus norvegicus similar to spermatogenesis associated glutamate (E)-rich protein 4d (LOC296777)_ mRNA [XM_216071]	0.24	0.00115
A 44_P900349	CA511155	UI-R-FJ0-cpv-o-10-0-UI.r1 UI-R-FJ0 Rattus norvegicus cDNA clone UI-R-FJ0-cpv-o-10-0-UI 5'_ mRNA sequence [CA511155]	0.24	0.00114
A 44_P128737	XM_576781	PREDICTED: Rattus norvegicus hypothetical gene supported by BC082068 (LOC501368)_ mRNA [XM_576781]	0.24	0.00104
A 44_P305482	PPARGC1A	Rattus norvegicus peroxisome proliferative activated receptor_ gamma_ coactivator 1 alpha (Ppargc1a)_ mRNA [NM_031347]	0.24	0.00102
A 44_P358865	LOC363395	PREDICTED: Rattus norvegicus similar to SPEER 2 (LOC363395)_ mRNA [XM_343725]	0.24	0.00100
A 44_P447023	AA850922	AA850922 EST193690 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVAO46 3' end_ mRNA sequence [AA850922]	0.24	0.00097
A 44_P1044878	AP3D	PREDICTED: Rattus norvegicus adaptor-related protein complex 3_ delta subunit (predicted) (Ap3d_predicted)_ mRNA [XM_234908]	0.24	0.00086
A 43_P18817	RGD1311004	PREDICTED: Rattus norvegicus similar to NGD5 protein homolog (CGI-53) (predicted) (LOC362265)_ mRNA [XM_342571]	0.24	0.00084
A 44_P118793	AY325158	Rattus norvegicus Ab1-334 mRNA_ complete cds. [AY325158]	0.24	0.00083
A 44_P309013	MAPT	Rattus norvegicus microtubule-associated protein tau (Mapt)_ mRNA [NM_017212]	0.24	0.00081
A 44_P534585	XM_346249	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC367673)_ mRNA [XM_346249]	0.24	0.00077
A 44_P821839	A 44_P821839	Unknown	0.24	0.00076
A 44_P315647	AI102948	AI102948 EST212237 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMBV33 3' end_ mRNA sequence [AI102948]	0.24	0.00066
A 44_P135678	RGD1305020	PREDICTED: Rattus norvegicus similar to Hepatocellular carcinoma-associated antigen 58 homolog (predicted) (LOC311575)_ mRNA [XM_230785]	0.24	0.00047
A 44_P370625	LOC297828	Rattus norvegicus similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interac (LOC297828)_ mRNA [XM_213016]	0.24	0.00035

A 44_P459679	A 44_P459679	Unknown	0.24	0.00029
A 43_P10399	KCTD9	PREDICTED: Rattus norvegicus potassium channel tetramerisation domain containing 9 (predicted) (Kctd9_predicted)_mRNA [XM_344426]	0.24	0.00027
A 43_P13386	PRP19	Rattus norvegicus neuronal differentiation-related gene (Prp19)_mRNA [NM_139333]	0.24	0.00019
A 44_P160876	RAP2A	Rattus norvegicus RAS related protein 2a? (Rap2a)_mRNA [NM_053741]	0.24	0.00016
A 44_P1026651	ITM2B	Rattus norvegicus integral membrane protein 2B (Itm2b)_mRNA [NM_001006963]	0.24	0.00005
A 44_P236930	CB606450	CB606450 AMGNNUC:TRXP1-00001-B1-A trxp1 (10556) Rattus norvegicus cDNA clone trxp1-00001-b1 5'_mRNA sequence [CB606450]	0.24	0.00004
A 44_P548468	NM_057202	Rattus norvegicus kinesin family member 5B (Kif5b)_mRNA [NM_057202]	0.24	0.00004
A 44_P1017662	ACSL1	Rattus norvegicus acyl-CoA synthetase long-chain family member 1 (Acsl1)_mRNA [NM_012820]	0.24	0.00004
A 44_P128151	RT1-S3	PREDICTED: Rattus norvegicus RT1 class Ib_locus S3 (RT1-S3)_mRNA [XM_215303]	0.24	0.00002
A 42_P460785	AMACR	Rattus norvegicus alpha-methylacyl-CoA racemase (Amacr)_mRNA [NM_012816]	0.24	0.00001
A 44_P431203	NRIP3	PREDICTED: Rattus norvegicus nuclear receptor interacting protein 3 (predicted) (Nrip3_predicted)_mRNA [XM_341903]	0.24	0.00000
A 44_P315161	AI044365	AI044365 UI-R-C0-is-f-09-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-is-f-09-0-UI 3'_mRNA sequence [AI044365]	0.23	0.00485
A 44_P499851	SAFB	Rattus norvegicus scaffold attachment factor B (Safb)_mRNA [NM_022394]	0.23	0.00377
A 44_P180080	MAP1LC3B	Rattus norvegicus microtubule-associated proteins 1A/1B light chain 3 (Map1lc3b)_mRNA [NM_022867]	0.23	0.00349
A 44_P161966	AA900068	AA900068 UI-R-E0-da-f-10-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-da-f-10-0-UI 3'_mRNA sequence [AA900068]	0.23	0.00320
A 44_P531848	NM_001030021	Rattus norvegicus ribosomal protein_large P2 (Rplp2)_mRNA [NM_001030021]	0.23	0.00314
A 44_P606464	TC560183	Q6NZX5 (Q6NZX5) FAM29A protein (Fragment)_partial (11%) [TC560183]	0.23	0.00303
A 44_P243303	ZFP68	Rattus norvegicus similar to KRAB-containing zinc-finger protein KRAZ2 (LOC304337)_mRNA [XM_221977]	0.23	0.00272
A 44_P481629	PRKCE	Rattus norvegicus protein kinase C_epsilon (Prkce)_mRNA [NM_017171]	0.23	0.00255
A 44_P466345	XM_341270	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC360996)_mRNA [XM_341270]	0.23	0.00242
A 44_P503916	RGD1563811	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 6030446N20 gene (LOC361292)_mRNA [XM_341577]	0.23	0.00234
A 44_P471141	GALNT2	Rattus norvegicus similar to UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2; ppGalNTase-T2 (LOC292090)_mRNA [XM_238057]	0.23	0.00227
A 44_P258949	PDE4B	Rattus norvegicus phosphodiesterase 4B_cAMP specific (Pde4b)_mRNA [NM_017031]	0.23	0.00217
A 44_P1014420	RICS	PREDICTED: Rattus norvegicus RhoGAP involved in beta-catenin-N-cadherin and NMDA receptor signaling (predicted) (Rics_predicted)_mRNA [XM_236020]	0.23	0.00217
A 42_P574719	SLC25A4	Rattus norvegicus solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator)_member 4 (Slc25a4)_mRNA [NM_053515]	0.23	0.00199
A 44_P452282	KCNJ3	Rattus norvegicus potassium inwardly-rectifying channel_subfamily J_member 3 (Kcnj3)_mRNA [NM_031610]	0.23	0.00197
A 42_P462771	CD9	R.norvegicus (Sprague Dawley) CD9 mRNA for cell surface glycoprotein. [X76489]	0.23	0.00194
A 44_P1024729	BF558358	BF558358 UI-R-E0-dm-f-02-0-UI.r1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dm-f-02-0-UI 5'_mRNA sequence [BF558358]	0.23	0.00187
A 44_P215731	RGD1559880	PREDICTED: Rattus norvegicus similar to casein kinase 1_gamma 3 (LOC362655)_mRNA [XM_342973]	0.23	0.00175
A 44_P264130	RGD1308816	PREDICTED: Rattus norvegicus similar to CG8009-PA (predicted) (LOC291914)_mRNA [XM_214651]	0.23	0.00170
A 43_P11661	RAB3A	Rattus norvegicus RAB3A_member RAS oncogene family (Rab3a)_mRNA [NM_013018]	0.23	0.00144
A 44_P328646	XM_346182	Rattus norvegicus similar to RIKEN cDNA 4933431D05 (LOC367511)_mRNA [XM_346182]	0.23	0.00140
A 44_P180866	AA955942	AA955942 UI-R-E1-ff-b-03-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-ff-b-03-0-UI 3' similar to gi [AA955942]	0.23	0.00118
A 43_P21226	USP8	PREDICTED: Rattus norvegicus ubiquitin specific protease 8 (predicted) (Usp8_predicted)_mRNA [XM_215821]	0.23	0.00104
A 44_P617630	AW914552	AW914552 EST345856 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGI AH95 5' end_mRNA sequence [AW914552]	0.23	0.00103
A 44_P344703	XM_574955	PREDICTED: Rattus norvegicus similar to FLJ16641 protein (LOC499631)_mRNA [XM_574955]	0.23	0.00069
A 44_P257863	ENSRNOT000000003	Unknown	0.23	0.00065
A 44_P684899	TC558523	Unknown	0.23	0.00064
A 44_P897247	RAB11A	Rattus norvegicus RAB11a_member RAS oncogene family (Rab11a)_mRNA [NM_031152]	0.23	0.00061
A 44_P553665	RPS9	Rattus norvegicus ribosomal protein S9 (Rps9)_mRNA [NM_031108]	0.23	0.00057
A 44_P269752	A 44_P269752	Unknown	0.23	0.00054
A 44_P884109	TRIM2	Rattus norvegicus clone UI-R-FJ0-cpz-g-01-0-UI unknown mRNA. [AY724524]	0.23	0.00044
A 44_P118137	NM_001033066	Rattus norvegicus DDHD domain containing 1 (Ddhd1)_mRNA [NM_001033066]	0.23	0.00040

A 44 P505932	CTTN	Rattus norvegicus cortactin isoform B (Ctn)_ mRNA [NM_021868]	0.23	0.00039
A 44 P523244	RGD1305976	PREDICTED: Rattus norvegicus similar to RIKEN cDNA C920006C10 (predicted) (LOC362923)_ mRNA [XM_343253]	0.23	0.00033
A 44 P382255	RGD1561985	PREDICTED: Rattus norvegicus similar to dystrobrevin alpha isoform 1 (LOC307548)_ mRNA [XM_226109]	0.23	0.00031
A 44 P384304	A 44 P384304	Unknown	0.23	0.00026
A 43 P23197	MGC95208	Rattus norvegicus similar to 4930453N24Rik protein (MGC95208)_ mRNA [NM_001005552]	0.23	0.00026
A 44 P172489	ACSL1	Rattus norvegicus acyl-CoA synthetase long-chain family member 1 (Acs1)_ mRNA [NM_012820]	0.23	0.00023
A 44 P400195	ATP5C1	Rattus norvegicus ATP synthase_H+ transporting_ mitochondrial F1 complex_ gamma polypeptide 1 (Atp5c1)_ mRNA [NM_053825]	0.23	0.00023
A 44 P221077	NM_001017479	Rattus norvegicus similar to RIKEN cDNA 1810057C19 (MGC108778)_ mRNA [NM_001017479]	0.23	0.00019
A 44 P536932	UQCRH	Rattus norvegicus ubiquinol-cytochrome c reductase hinge protein (Uqcrh)_ mRNA [NM_001009480]	0.23	0.00015
A 43 P13040	RHOA	Rattus norvegicus ras homolog gene family_ member A (Rhoa)_ mRNA [NM_057132]	0.23	0.00009
A 44 P466796	LOC367171	Rattus norvegicus similar to microtubule-associated protein 4 (LOC367171)_ mRNA [XM_345984]	0.23	0.00005
A 44 P1023977	SH3KBP1	Rattus norvegicus SH3-domain kinase binding protein 1 (Sh3kbp1)_ mRNA [NM_053360]	0.23	0.00004
A 42 P582378	SC65	Rattus norvegicus synaptonemal complex protein SC65 (Sc65)_ mRNA [NM_021581]	0.23	0.00003
A 44 P1020467	RGD1309385	PREDICTED: Rattus norvegicus similar to RIKEN cDNA E030034P13 (predicted) (LOC360488)_ mRNA [XM_340760]	0.23	0.00003
A 44 P311642	SUPT16H	PREDICTED: Rattus norvegicus suppressor of Ty 16 homolog (S. cerevisiae) (predicted) (Supt16h_predicted)_ mRNA [XM_223981]	0.23	0.00002
A 44 P194894	NM_001013079	Rattus norvegicus oxysterol binding protein-like 2 (Osbp12)_ mRNA [NM_001013079]	0.23	0.00002
A 44 P322910	PDGFA	Rattus norvegicus platelet derived growth factor_ alpha (Pdgfa)_ mRNA [NM_012801]	0.23	0.00001
A 44 P480533	A 44 P480533	Unknown	0.22	0.00475
A 44 P525431	ASPH	PREDICTED: Rattus norvegicus aspartate-beta-hydroxylase (predicted) (Asph_predicted)_ mRNA [XM_232675]	0.22	0.00457
A 44 P386099	AI175475	AI175475 EST219025 Normalized rat muscle_Bento Soares Rattus sp. cDNA clone RMUCN91 3' end_ mRNA sequence [AI175475]	0.22	0.00448
A 44 P138231	LOC315661	Rattus norvegicus similar to Elongation factor 1-alpha 1 (EF-1-alpha-1) (Elongation factor 1 A-1) (eEF1A-1) (Elongation factor Tu) (EF-Tu) (LOC315661)_ mRNA [XM_236238]	0.22	0.00428
A 44 P247667	UBE2G1	Rattus norvegicus ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog_ C. elegans) (Ube2g1)_ mRNA [NM_022690]	0.22	0.00399
A 44 P260433	RGD1306101	PREDICTED: Rattus norvegicus similar to 4933407C03Rik protein (predicted) (LOC292051)_ mRNA [XM_214698]	0.22	0.00383
A 44 P116449	RALA	Rattus norvegicus v-ral simian leukemia viral oncogene homolog A (ras related) (Rala)_ mRNA [NM_031093]	0.22	0.00375
A 44 P520441	PCDH9	PREDICTED: Rattus norvegicus protocadherin 9 (predicted) (Pcdh9_predicted)_ mRNA [XM_224429]	0.22	0.00354
A 44 P807565	TC556734	Q96285 (Q96285) Receptor-like kinase LECRK1 (Serine/threonine-specific kinase lecRK1_ lectin receptor-like) _ partial (4%) [TC556734]	0.22	0.00345
A 44 P790861	A 44 P790861	Unknown	0.22	0.00306
A 44 P339741	NM_001025270	Rattus norvegicus melanocortin 3 receptor (Mc3r)_ mRNA [NM_001025270]	0.22	0.00301
A 43 P17974	COG4	PREDICTED: Rattus norvegicus component of oligomeric golgi complex 4 (predicted) (Cog4_predicted)_ mRNA [XM_341688]	0.22	0.00295
A 44 P212922	RGD1565029	PREDICTED: Rattus norvegicus similar to 4632409L22Rik protein (LOC308361)_ mRNA [XM_218291]	0.22	0.00268
A 43 P19140	CB548253	CB548253 AMGNNUC:NRHT1-00001-D7-A SD rat hypothalamus (10460) Rattus norvegicus cDNA clone nrht1-00001-d7 5'_ mRNA sequence [CB548253]	0.22	0.00266
A 44 P866312	BG665051	DRABXF10 Rat DRG Library Rattus norvegicus cDNA clone DRABXF10 5'_ mRNA sequence [BG665051]	0.22	0.00266
A 43 P11911	RAB3IP	Rattus norvegicus RAB3A interacting protein (Rab3ip)_ mRNA [NM_017313]	0.22	0.00264
A 44 P255965	A 44 P255965	Unknown	0.22	0.00258
A 44 P338703	AW918458	AW918458 EST349762 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIES56 5' end_ mRNA sequence [AW918458]	0.22	0.00236
A 44 P461331	SLC25A16	PREDICTED: Rattus norvegicus solute carrier family 25 (mitochondrial carrier_ Graves disease autoantigen)_ member 16 (predicted) (Slc25a16_predicted)_ mRNA [XM_342129]	0.22	0.00221
A 42 P518818	DBT	PREDICTED: Rattus norvegicus dihydroipoamide branched chain transacylase E2 (Dbt)_ mRNA [XM_342328]	0.22	0.00220
A 44 P101023	RGD1564778	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 4121402D02 (LOC303514)_ mRNA [XM_239335]	0.22	0.00219
A 44 P290953	ENSRNOT000000	Unknown	0.22	0.00219
A 44 P492843	VAPB	Rattus norvegicus vesicle-associated membrane protein_ associated protein B and C (Vapb)_ mRNA [NM_021847]	0.22	0.00209
A 44 P407736	RGD1304890	Rattus norvegicus similar to RIKEN cDNA 1810045K17 (LOC365797)_ mRNA [XM_345211]	0.22	0.00204
A 44 P362992	TCF12	Rattus norvegicus transcription factor 12 (Tcf12)_ mRNA [NM_013176]	0.22	0.00201
A 44 P463980	RGD1565332	PREDICTED: Rattus norvegicus similar to interferon induced transmembrane protein 3 (LOC289685)_ mRNA [XM_223483]	0.22	0.00198

A_44_P200647	<a href="#">XM_573903</a>	PREDICTED: Rattus norvegicus high mobility group box 2 (Hmgb2)_ mRNA [XM_573903]	0.22	0.00184
A_44_P108982	<a href="#">SUCLA2</a>	PREDICTED: Rattus norvegicus succinate-Coenzyme A ligase_ ADP-forming_ beta subunit (predicted) (Sucla2_predicted)_ mRNA [XM_341354]	0.22	0.00183
A_43_P18579	<a href="#">FBXW2</a>	PREDICTED: Rattus norvegicus F-box and WD-40 domain protein 2 (predicted) (Fbxw2_predicted)_ mRNA [XM_231162]	0.22	0.00178
A_44_P145065	<a href="#">XM_576828</a>	PREDICTED: Rattus norvegicus hypothetical gene supported by BC059164 (LOC501417)_ mRNA [XM_576828]	0.22	0.00153
A_44_P156718	<a href="#">RGD1563608</a>	PREDICTED: Rattus norvegicus similar to ribosomal protein L28 (LOC289830)_ mRNA [XM_214103]	0.22	0.00130
A_44_P276352	<a href="#">ID3</a>	Rattus norvegicus inhibitor of DNA binding 3 (Id3)_ mRNA [NM_013058]	0.22	0.00103
A_44_P291225	<a href="#">BQ202871</a>	BQ202871 UI-R-DO1-cms-k-20-0-UI.s1 UI-R-DO1 Rattus norvegicus cDNA clone UI-R-DO1-cms-k-20-0-UI 3'_ mRNA sequence [BQ202871]	0.22	0.00102
A_43_P12727	<a href="#">STAT1</a>	Rattus norvegicus signal transducer and activator of transcription 1 (Stat1)_ transcript variant alpha_ mRNA [NM_032612]	0.22	0.00098
A_44_P511049	<a href="#">PROSC</a>	PREDICTED: Rattus norvegicus proline synthetase co-transcribed (predicted) (Prosc_predicted)_ mRNA [XM_224947]	0.22	0.00095
A_44_P916648	<a href="#">TC527874</a>	Unknown	0.22	0.00094
A_44_P333374	<a href="#">RGD1560736</a>	PREDICTED: Rattus norvegicus similar to solute carrier family 9 (sodium/hydrogen exchanger)_ isoform 9 (LOC363115)_ mRNA [XM_343448]	0.22	0.00082
A_44_P959572	<a href="#">EEF1G</a>	PREDICTED: Rattus norvegicus eukaryotic translation elongation factor 1 gamma (Eef1g)_ mRNA [XM_574616]	0.22	0.00072
A_44_P142709	<a href="#">XM_576637</a>	PREDICTED: Rattus norvegicus LOC501214 (LOC501214)_ mRNA [XM_576637]	0.22	0.00066
A_44_P541456	<a href="#">ARPC4</a>	PREDICTED: Rattus norvegicus actin related protein 2/3 complex_ subunit 4 (predicted) (Arpc4_predicted)_ mRNA [XM_238365]	0.22	0.00064
A_44_P216497	<a href="#">AW918517</a>	AW918517 EST349821 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEU26 5' end_ mRNA sequence [AW918517]	0.22	0.00057
A_43_P11707	<a href="#">VAMP1</a>	Rattus norvegicus vesicle-associated membrane protein 1 (Vamp1)_ mRNA [NM_013090]	0.22	0.00051
A_44_P745994	<a href="#">TC539069</a>	Q617T7 (Q617T7) NADH dehydrogenase subunit 6_ partial (9%) [TC539069]	0.22	0.00046
A_44_P480222	<a href="#">MAPK9</a>	Rattus norvegicus mitogen-activated protein kinase 9 (Mapk9)_ mRNA [NM_017322]	0.22	0.00045
A_44_P996393	<a href="#">MGAT2</a>	Rattus norvegicus Alpha-1_6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase (Mgat2)_ mRNA [NM_053604]	0.22	0.00035
A_44_P121215	<a href="#">DNM1L</a>	Rattus norvegicus dynamin-like protein DLP1 isoform DLP1-37 mRNA_ complete cds. [AF132727]	0.22	0.00032
A_42_P666951	<a href="#">NM_134360</a>	Rattus norvegicus tumor necrosis factor receptor superfamily_ member 5 (Tnfrsf5)_ mRNA [NM_134360]	0.22	0.00032
A_44_P197086	<a href="#">NM_001025284</a>	Rattus norvegicus similar to hypothetical protein FLJ14494 (RGD1311268)_ mRNA [NM_001025284]	0.22	0.00024
A_44_P994906	<a href="#">RGD1561761</a>	PREDICTED: Rattus norvegicus similar to TIGIRR-1 (LOC300913)_ mRNA [XM_236512]	0.22	0.00016
A_44_P428036	<a href="#">AI044887</a>	AI044887 UI-R-C1-kk-a-01-0-UI.s1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-kk-a-01-0-UI 3'_ mRNA sequence [AI044887]	0.22	0.00016
A_44_P641532	<a href="#">TC563752</a>	Unknown	0.22	0.00016
A_43_P15415	<a href="#">P34</a>	Rattus norvegicus p34 protein (P34)_ mRNA [NM_134398]	0.22	0.00009
A_42_P750340	<a href="#">RGD1563319</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 6330512M04 gene (LOC293632)_ mRNA [XM_215129]	0.22	0.00009
A_44_P515461	<a href="#">BPNT1</a>	Rattus norvegicus bisphosphate 3'-nucleotidase 1 (Bpnt1)_ mRNA [NM_171990]	0.22	0.00006
A_44_P254973	<a href="#">MDS024</a>	Rattus norvegicus putative RNA methylase MDS024 (Mds024)_ mRNA [NM_198051]	0.22	0.00006
A_44_P440517	<a href="#">RT1-CE4</a>	Rattus norvegicus RT1 class I_ CE4 (RT1-CE4)_ mRNA [NM_001008842]	0.22	0.00006
A_43_P17678	<a href="#">SBDS</a>	Rattus norvegicus Shwachman-Bodian-Diamond syndrome (Sbds)_ mRNA [NM_001008289]	0.22	0.00004
A_44_P166278	<a href="#">MGC94168</a>	Rattus norvegicus similar to vacuolar protein sorting 26; vacuole protein sorting 26; H beta 58 (MGC94168)_ mRNA [NM_001007740]	0.22	0.00002
A_43_P20505	<a href="#">BBX</a>	PREDICTED: Rattus norvegicus bobby sox homolog (Drosophila) (predicted) (Bbx_predicted)_ mRNA [XM_221497]	0.22	0.00002
A_44_P197041	<a href="#">NM_001035221</a>	Rattus norvegicus yippee-like 5 (Drosophila) (Ypel5)_ mRNA [NM_001035221]	0.22	0.00000
A_44_P1006988	<a href="#">ZNF318</a>	Rattus norvegicus similar to zinc finger protein TZF-L (LOC316230)_ mRNA [XM_236929]	0.21	0.00492
A_44_P310386	<a href="#">PSMD7</a>	PREDICTED: Rattus norvegicus proteasome (prosome_ macropain) 26S subunit_ non-ATPase_ 7 (predicted) (Psmd7_predicted)_ mRNA [XM_226439]	0.21	0.00461
A_44_P492635	<a href="#">PSMD3</a>	Rattus norvegicus proteasome (prosome_ macropain) 26S subunit_ non-ATPase_ 3 (Psmd3)_ mRNA [NM_001008281]	0.21	0.00392
A_44_P291521	<a href="#">BG666460</a>	BG666460 DRA07B12 Rat DRG Library Rattus norvegicus cDNA clone DRA07B12 5'_ mRNA sequence [BG666460]	0.21	0.00355
A_44_P182463	<a href="#">MAP1B</a>	PREDICTED: Rattus norvegicus microtubule-associated protein 1b (Map1b)_ mRNA [XM_215469]	0.21	0.00334
A_44_P397403	<a href="#">BI275514</a>	BI275514 UI-R-CX0-bwy-b-08-0-UI.s1 UI-R-CX0 Rattus norvegicus cDNA clone UI-R-CX0-bwy-b-08-0-UI 3'_ mRNA sequence [BI275514]	0.21	0.00323
A_44_P482281	<a href="#">MAPK10</a>	Rattus norvegicus mitogen activated protein kinase 10 (Mapk10)_ mRNA [NM_012806]	0.21	0.00291
A_44_P147702	<a href="#">RGD1311017</a>	PREDICTED: Rattus norvegicus similar to multiple hat domains (predicted) (LOC360574)_ mRNA [XM_340853]	0.21	0.00281
A_42_P536266	<a href="#">TC520622</a>	Unknown	0.21	0.00272

A 44_P256199	CB547883	CB547883 AMGNNUC:NRDG1-00205-A3-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00205-a3 5' mRNA sequence [CB547883]	0.21	0.00250
A 44_P623560	TC540430	Unknown	0.21	0.00246
A 43_P12208	BASP1	Rattus norvegicus brain abundant_ membrane attached signal protein 1 (Basp1)_ mRNA [NM_022300]	0.21	0.00241
A 44_P962865	TC550274	Q7QFB9 (Q7QFB9) AgCP13622 (Fragment)_ partial (21%) [TC550274]	0.21	0.00223
A 44_P116221	CDIG2	Rattus norvegicus cdig2 mRNA for hypothetical protein_ complete cds. [AB086193]	0.21	0.00214
A 44_P855313	TC563420	Unknown	0.21	0.00196
A 44_P405679	RAP1GA1	PREDICTED: Rattus norvegicus RAP1_ GTPase activating protein 1 (predicted) (Rap1ga1_predicted)_ mRNA [XM_233609]	0.21	0.00169
A 44_P477889	NFL	Rattus norvegicus neurofilament_ light polypeptide (Nfl)_ mRNA [NM_031783]	0.21	0.00152
A 44_P433542	HNRPA3	Rattus norvegicus heterogeneous nuclear ribonucleoprotein A3 (Hnrpa3)_ mRNA [NM_198132]	0.21	0.00139
A 44_P962790	TC549478	Unknown	0.21	0.00137
A 44_P447701	RGD1563969	PREDICTED: Rattus norvegicus similar to tumor protein_ translationally-controlled 1 (LOC363865)_ mRNA [XM_344072]	0.21	0.00135
A 44_P667876	ENSRNOT000000	Unknown	0.21	0.00133
A 44_P449373	AW524106	AW524106 UI-R-BO0-ahr-e-12-0-UI.s1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahr-e-12-0-UI 3' mRNA sequence [AW524106]	0.21	0.00124
A 44_P116300	PPARGC1B	Rattus norvegicus peroxisome proliferative activated receptor_ gamma_ coactivator 1 beta (Ppargc1b)_ mRNA [NM_176075]	0.21	0.00117
A 44_P287194	HSPCB	Rattus norvegicus heat shock 90kDa protein 1_ beta (Hspcb)_ mRNA [NM_001004082]	0.21	0.00112
A 44_P128386	RGD1307507	PREDICTED: Rattus norvegicus similar to CG14182-PA (predicted) (LOC361639)_ mRNA [XM_341918]	0.21	0.00112
A 44_P414066	LDHB	Rattus norvegicus lactate dehydrogenase B (Ldhb)_ mRNA [NM_012595]	0.21	0.00110
A 44_P249784	AA944160	AA944160 EST199659 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMAD10 3' end_ mRNA sequence [AA944160]	0.21	0.00103
A 44_P302310	DSG1C	PREDICTED: Rattus norvegicus desmoglein 1 gamma (predicted) (Dsg1c_predicted)_ mRNA [XM_214616]	0.21	0.00098
A 44_P253122	RGD1306717	Rattus norvegicus similar to hypothetical protein MGC25461 (LOC311257)_ mRNA [XM_230334]	0.21	0.00098
A 44_P311028	BQ194449	BQ194449 UI-R-CN1-cma-h-16-0-UI.s1 UI-R-CN1 Rattus norvegicus cDNA clone UI-R-CN1-cma-h-16-0-UI 3' mRNA sequence [BQ194449]	0.21	0.00086
A 44_P264381	TDRD7	Rattus norvegicus tudor domain containing 7 (Tdrd7)_ mRNA [NM_138871]	0.21	0.00084
A 44_P199038	NM_001013992	Rattus norvegicus similar to hypothetical protein FLJ22419 (LOC305691)_ mRNA [NM_001013992]	0.21	0.00075
A 44_P459492	NM_001037358	Rattus norvegicus LIM domain only 2 (Lmo2)_ mRNA [NM_001037358]	0.21	0.00043
A 44_P501724	XM_576721	PREDICTED: Rattus norvegicus hypothetical gene supported by BC059164 (LOC501308)_ mRNA [XM_576721]	0.21	0.00040
A 44_P764671	TC561998	Unknown	0.21	0.00027
A 44_P409654	AMACR	Rattus norvegicus alpha-methylacyl-CoA racemase (Amacr)_ mRNA [NM_012816]	0.21	0.00020
A 44_P288826	RGD1308134	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 1110020A23 (predicted) (LOC287452)_ mRNA [XM_213357]	0.21	0.00020
A 44_P469394	AMPH1	Rattus norvegicus amphiphysin 1 (Amph1)_ mRNA [NM_022217]	0.21	0.00020
A 44_P255985	RGD1310128	PREDICTED: Rattus norvegicus similar to DNA segment_ Chr 13_ Wayne State University 50_ expressed (predicted) (LOC290939)_ mRNA [XM_214417]	0.21	0.00019
A 44_P210686	TC517135	Q8C5Q5 (Q8C5Q5) Mus musculus adult male thymus cDNA_ RIKEN full-length enriched library_ clone:5830447N23 product:chaperonin subunit 7 (eta)_ full insert sequence_ partial (31%) [TC517135]	0.21	0.00018
A 44_P515410	NFIX	PREDICTED: Rattus norvegicus nuclear factor I/X (Nfix)_ mRNA [XM_213849]	0.21	0.00017
A 43_P11359	AW921109	AW921109 EST352413 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIHN49 5' end_ mRNA sequence [AW921109]	0.21	0.00015
A 44_P340121	RGD1565122	PREDICTED: Rattus norvegicus similar to tetratricopeptide repeat domain 21B (LOC295654)_ mRNA [XM_229983]	0.21	0.00014
A 42_P836392	ELOVL6	Rattus norvegicus ELOVL family member 6_ elongation of long chain fatty acids (yeast) (Elov16)_ mRNA [NM_134383]	0.21	0.00014
A 44_P960490	UAP1	PREDICTED: Rattus norvegicus similar to UDP-N-acetylglucosamine pyrophosphorylase 1 homolog (LOC498272)_ mRNA [XM_573497]	0.21	0.00013
A 44_P333232	PLEKH2	PREDICTED: Rattus norvegicus pleckstrin homology domain containing_ family F (with FYVE domain) member 2 (predicted) (Plekh2_predicted)_ mRNA [XM_342803]	0.21	0.00007
A 42_P563648	RGD1566025	PREDICTED: Rattus norvegicus similar to Pin2-interacting protein X1 (LOC305963)_ mRNA [XM_224282]	0.21	0.00003
A 44_P416751	RPA1	PREDICTED: Rattus norvegicus replication protein A1 (predicted) (Rpa1_predicted)_ mRNA [XM_213389]	0.21	0.00001
A 44_P790750	ENSRNOT000000	Unknown	0.21	0.00000
A 43_P23188	BF557281	BF557281 UI-R-C0-gu-g-04-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-gu-g-04-0-UI 5' mRNA sequence [BF557281]	0.21	0.00000
A 44_P443349	NM_001014062	Rattus norvegicus similar to RAN protein (RGD1306195)_ mRNA [NM_001014062]	0.2	0.00468
A 44_P999845	SH3KBP1	Rattus norvegicus SH3-domain kinase binding protein 1 (Sh3kbp1)_ mRNA [NM_053360]	0.2	0.00437

A 44 P263186	AI070126	AI070126 UI-R-Y0-lu-d-10-0-UI.s1 UI-R-Y0 Rattus norvegicus cDNA clone UI-R-Y0-lu-d-10-0-UI 3' mRNA sequence [AI070126]	0.2	0.00425
A 44 P1005536	L3MBTL3	PREDICTED: Rattus norvegicus l(3)mbt-like 3 (Drosophila) (predicted) (L3mbtl3_predicted)_mRNA [XM_220113]	0.2	0.00384
A 44 P389664	XM_573095	PREDICTED: Rattus norvegicus similar to High mobility group protein 1 (HMG-1) (Amphoterin) (Heparin-binding protein p30) (LOC497907)_mRNA [XM_573095]	0.2	0.00380
A 44 P454372	CHD4	PREDICTED: Rattus norvegicus chromodomain helicase DNA binding protein 4 (Chd4)_mRNA [XM_232354]	0.2	0.00373
A 44 P551285	BF284167	BF284167 EST448758 Rat Gene Index_normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEL77 3' sequence_mRNA sequence [BF284167]	0.2	0.00353
A 44 P121839	RGD1566268	Rattus norvegicus similar to 40S ribosomal protein SA (P40) (34/67 kDa laminin receptor) (LOC366596)_mRNA [XM_345657]	0.2	0.00341
A 44 P117471	BE105400	BE105400 UI-R-BO1-asn-c-12-0-UI.s1 UI-R-BO1 Rattus norvegicus cDNA clone UI-R-BO1-asn-c-12-0-UI 3' mRNA sequence [BE105400]	0.2	0.00332
A 44 P206091	MRP63	Rattus norvegicus similar to mitochondrial ribosomal protein 63 (LOC290285)_mRNA [XM_214181]	0.2	0.00324
A 44 P433003	AI180191	AI180191 EST223932 Normalized rat spleen_Bento Soares Rattus sp. cDNA clone RSPCR68 3' end_mRNA sequence [AI180191]	0.2	0.00270
A 44 P136238	AI044524	AI044524 UI-R-C1-kc-c-11-0-UI.s1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-kc-c-11-0-UI 3' mRNA sequence [AI044524]	0.2	0.00266
A 44 P271650	RAB31	Rattus norvegicus RAB31_member RAS oncogene family (Rab31)_mRNA [NM_145094]	0.2	0.00257
A 44 P324180	RGD1306899	PREDICTED: Rattus norvegicus similar to putative 40-2-3 protein (predicted) (RGD1306899_predicted)_mRNA [XM_340998]	0.2	0.00252
A 44 P555418	RGD1563099	PREDICTED: Rattus norvegicus similar to Gcsh protein (LOC292151)_mRNA [XM_217678]	0.2	0.00228
A 44 P315649	AI102948	AI102948 EST212237 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBV33 3' end_mRNA sequence [AI102948]	0.2	0.00193
A 44 P1039165	PHF3	PREDICTED: Rattus norvegicus PHD finger protein 3 (predicted) (Phf3_predicted)_mRNA [XM_343548]	0.2	0.00176
A 44 P557857	NM_001024245	Rattus norvegicus gene model 631_ (NCBI) (Gm631)_mRNA [NM_001024245]	0.2	0.00165
A 44 P109927	AHSA2	PREDICTED: Rattus norvegicus activator of heat shock protein ATPase homolog 2 (yeast) (predicted) (Ahsa2_predicted)_mRNA [XM_223680]	0.2	0.00164
A 44 P393956	LOC294165	Rattus norvegicus similar to Elongation factor 2 (EF-2) (LOC294165)_mRNA [XM_227906]	0.2	0.00143
A 44 P179698	AI170794	AI170794 EST216733 Normalized rat muscle_Bento Soares Rattus sp. cDNA clone RMUBB59 3' end_mRNA sequence [AI170794]	0.2	0.00133
A 44 P903115	CO395860	AGENCOURT_26760988 NIH_MGC_255 Rattus norvegicus cDNA clone IMAGE:7318926 5' mRNA sequence [CO395860]	0.2	0.00115
A 44 P214054	RNP24	Rattus norvegicus coated vesicle membrane protein (Rnp24)_mRNA [NM_031722]	0.2	0.00089
A 44 P101960	BF408841	BF408841 UI-R-BS2-bet-a-09-0-UI.s1 UI-R-BS2 Rattus norvegicus cDNA clone UI-R-BS2-bet-a-09-0-UI 3' mRNA sequence [BF408841]	0.2	0.00079
A 44 P524911	XM_575397	PREDICTED: Rattus norvegicus wingless-related MMTV integration site 2 (Wnt2)_mRNA [XM_575397]	0.2	0.00072
A 44 P236418	RGD1309854	PREDICTED: Rattus norvegicus similar to A930009M04Rik protein (predicted) (LOC294672)_mRNA [XM_226707]	0.2	0.00053
A 44 P387604	AI412542	AI412542 EST240841 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RBRDT47 3' end_mRNA sequence [AI412542]	0.2	0.00052
A 44 P365462	CACNA1D	Rattus norvegicus calcium channel_voltage-dependent_L type_alpha 1D subunit (Cacna1d)_mRNA [NM_017298]	0.2	0.00050
A 43 P17779	RGD1564042	PREDICTED: Rattus norvegicus similar to osmosis responsive factor (LOC294774)_mRNA [XM_215493]	0.2	0.00041
A 44 P248933	CB547899	CB547899 AMGNNUC:NRDG1-00063-H10-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00063-h10 5' mRNA sequence [CB547899]	0.2	0.00031
A 44 P1034018	NM_001033893	Rattus norvegicus similar to Hypothetical protein KIAA0341 (RGD1308356)_mRNA [NM_001033893]	0.2	0.00018
A 44 P177169	FGL2	Rattus norvegicus fibrinogen-like 2 (Fgl2)_mRNA [NM_053455]	0.2	0.00013
A 44 P274433	RGD1559620	PREDICTED: Rattus norvegicus similar to C330016H24Rik protein (LOC314162)_mRNA [XM_234218]	0.2	0.00011
A 44 P159221	RGD1563001	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2010106G01 (LOC311401)_mRNA [XM_230567]	0.2	0.00007
A 44 P428708	ODZ4	PREDICTED: Rattus norvegicus odd Oz/ten-m homolog 4 (Drosophila) (predicted) (Odz4_predicted)_mRNA [XM_218927]	0.2	0.00007
A 44 P231283	NUPL1	Rattus norvegicus nucleoporin like 1 (Nupl1)_mRNA [NM_139091]	0.2	0.00001
A 44 P732338	TC544327	Unknown	-0.2	0.00429
A 42 P535835	NM_001037218	Rattus norvegicus similar to scaffolding protein SLIPR (predicted) (RGD1306155_predicted)_mRNA [NM_001037218]	-0.2	0.00399
A 44 P341298	BF396386	BF396386 UI-R-BS2-bdx-e-06-0-UI.s1 UI-R-BS2 Rattus norvegicus cDNA clone UI-R-BS2-bdx-e-06-0-UI 3' mRNA sequence [BF396386]	-0.2	0.00317
A 44 P266340	CO559198	AGENCOURT_28447342 NIH_MGC_248 Rattus norvegicus cDNA clone IMAGE:7367755 5' mRNA sequence [CO559198]	-0.2	0.00313
A 44 P364620	AB096137	Rattus norvegicus SHARP-2 gene for enhancer of split_ and hairy-related protein-2_ complete cds [AB096137]	-0.2	0.00295
A 44 P701318	TC525304	Unknown	-0.2	0.00229
A 42 P490804	NOL5	Rattus norvegicus nucleolar protein 5 (Nol5)_mRNA [NM_021754]	-0.2	0.00189
A 44 P478319	RGD1565451	PREDICTED: Rattus norvegicus similar to ring finger protein 127 (LOC298322)_mRNA [XM_233279]	-0.2	0.00176
A 43 P11320	RGD1307129	Rattus norvegicus similar to RIKEN cDNA 1110020C13 (LOC363004)_mRNA [XM_343337]	-0.2	0.00151

A_44_P77016	NM_001024369	Rattus norvegicus yippee-like 4 (Ypel4)_mRNA [NM_001024369]	-0.2	0.00113
A_42_P586992	RGD1560493	PREDICTED: Rattus norvegicus similar to chromosome X open reading frame 45 (LOC315365)_mRNA [XM_235727]	-0.2	0.00099
A_44_P715994	TC525422	AK122203 mKIAA0093 protein {Mus musculus;} _partial (3%) [TC525422]	-0.2	0.00082
A_42_P465408	SFMBT1	Rattus norvegicus Scm-like with four mbt domains 1 (Sfmbt1)_mRNA [NM_031647]	-0.2	0.00073
A_44_P777874	TC525892	Unknown	-0.2	0.00069
A_42_P655425	RGD1310204	Rattus norvegicus similar to RIKEN cDNA 4632422M10 (LOC294711)_mRNA [XM_215474]	-0.2	0.00064
A_43_P11190	PUM2	PREDICTED: Rattus norvegicus pumilio 2 (Drosophila) (predicted) (Pum2_predicted)_mRNA [XM_216661]	-0.2	0.00014
A_43_P14665	DNASE1	Rattus norvegicus deoxyribonuclease I (Dnase1)_mRNA [NM_013097]	-0.2	0.00012
A_44_P189832	MYST3	PREDICTED: Rattus norvegicus MYST histone acetyltransferase (monocytic leukemia) 3 (predicted) (Myst3_predicted)_mRNA [XM_225008]	-0.2	0.00010
A_44_P758470	AW143744	AW143744 EST294040 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGIBZ35 5' end_mRNA sequence [AW143744]	-0.2	0.00002
A_44_P196296	PRG1	Rattus norvegicus plasticity related gene 1 (Prg1)_mRNA [NM_001001508]	-0.21	0.00484
A_42_P534068	ADAM15	Rattus norvegicus a disintegrin and metalloproteinase domain 15 (metargidin) (Adam15)_mRNA [NM_020308]	-0.21	0.00450
A_44_P382727	RGD1566215	PREDICTED: Rattus norvegicus similar to Coatomer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP) (LOC301742)_mRNA [XM_217496]	-0.21	0.00444
A_44_P1060362	RGD735112	Rattus norvegicus similar to RIKEN cDNA 5830404H04 (RGD735112)_mRNA [NM_199391]	-0.21	0.00423
A_44_P885618	TC526396	Unknown	-0.21	0.00401
A_44_P1047628	NM_001014064	Rattus norvegicus similar to class II tRNA synthetase (RGD1305345)_mRNA [NM_001014064]	-0.21	0.00398
A_44_P803822	AW918535	AW918535 EST349839 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIEU47 5' end_mRNA sequence [AW918535]	-0.21	0.00390
A_44_P487112	NM_001012742	Rattus norvegicus wee 1 homolog (S. pombe) (Wee1)_mRNA [NM_001012742]	-0.21	0.00384
A_44_P142016	PSEN1	Rattus norvegicus presenilin 1 (Psen1)_mRNA [NM_019163]	-0.21	0.00355
A_44_P869444	TC540890	Unknown	-0.21	0.00344
A_42_P837568	L1CAM	Rattus norvegicus L1 cell adhesion molecule (L1cam)_mRNA [NM_017345]	-0.21	0.00341
A_44_P685340	TC558669	Q7NP25 (Q7NP25) Glr0233 protein_partial (5%) [TC558669]	-0.21	0.00336
A_44_P482629	PCSK2	Rattus norvegicus proprotein convertase subtilisin/kexin type 2 (Pcsk2)_mRNA [NM_012746]	-0.21	0.00309
A_44_P822839	TC521914	Unknown	-0.21	0.00300
A_44_P1007708	EBA9	Rattus norvegicus estrogen receptor-binding fragment-associated gene 9 (Ebag9)_mRNA [NM_001009665]	-0.21	0.00297
A_44_P808962	CO388128	AGENCOURT_26623818 NIH_MGC_253 Rattus norvegicus cDNA clone IMAGE:7301443 5'_mRNA sequence [CO388128]	-0.21	0.00294
A_42_P495895	DBN1	Rattus norvegicus drebrin 1 (Dbn1)_mRNA [NM_031024]	-0.21	0.00287
A_44_P357436	CF109359	Shultzomica02610 Rat lung airway and parenchyma cDNA libraries Rattus norvegicus cDNA clone Contig2265 5'_mRNA sequence [CF109359]	-0.21	0.00277
A_42_P556083	CCKBR	Rattus norvegicus cholecystokinin B receptor (Cckbr)_mRNA [NM_013165]	-0.21	0.00275
A_44_P741709	BF551036	BF551036 UI-R-C0-hi-e-08-0-UI.r2 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hi-e-08-0-UI 5'_mRNA sequence [BF551036]	-0.21	0.00271
A_44_P792192	TC557253	Unknown	-0.21	0.00248
A_44_P794261	TC532529	Unknown	-0.21	0.00243
A_44_P533193	AA944355	AA944355 EST199854 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMAF82 3' end_mRNA sequence [AA944355]	-0.21	0.00240
A_44_P173960	S68944	S68944 Na+/Cl(-)-dependent neurotransmitter transporter [rats_brain_mRNA_3762 nt] [S68944]	-0.21	0.00235
A_44_P430478	AI102926	AI102926 EST212215 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBV04 3' end_mRNA sequence [AI102926]	-0.21	0.00190
A_44_P247312	BF290230	BF290230 EST454821 Rat Gene Index_normalized rat_Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHU14 3' sequence_mRNA sequence [BF290230]	-0.21	0.00185
A_44_P318080	AW914945	AW914945 EST346249 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RGIBM64 5' end_mRNA sequence [AW914945]	-0.21	0.00176
A_44_P501639	NM_001033656	Rattus norvegicus mannosidase 1_alpha (predicted) (Man1a_predicted)_mRNA [NM_001033656]	-0.21	0.00172
A_44_P511079	RGD1309020	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 6530403A03 (predicted) (LOC291060)_mRNA [XM_214453]	-0.21	0.00166
A_44_P1020018	CNOT7	PREDICTED: Rattus norvegicus CCR4-NOT transcription complex_subunit 7 (predicted) (Cnot7_predicted)_mRNA [XM_224894]	-0.21	0.00159
A_44_P1017720	NM_001024980	Rattus norvegicus similar to hypothetical protein MGC46719 (RGD1308412)_mRNA [NM_001024980]	-0.21	0.00142
A_44_P628497	BM384446	BM384446 UI-R-CN1-cjn-m-12-0-UI.s1 UI-R-CN1 Rattus norvegicus cDNA clone UI-R-CN1-cjn-m-12-0-UI 3'_mRNA sequence [BM384446]	-0.21	0.00138
A_44_P911528	AW144361	AW144361 EST294657 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RGICQ81 5' end_mRNA sequence [AW144361]	-0.21	0.00137



A_42_P460021	<u>ADCY10</u>	Rattus norvegicus adenylate cyclase 10 (soluble) (Adcy10)_ mRNA [NM_021684]	-0.21	0.00129
A_44_P624151	<u>TC543922</u>	Unknown	-0.21	0.00120
A_44_P885889	<u>RGD1311958</u>	PREDICTED: Rattus norvegicus similar to 6430514L14Rik protein (predicted) (LOC315789)_ mRNA [XM_236376]	-0.21	0.00112
A_44_P639034	<u>TC525336</u>	Unknown	-0.21	0.00107
A_44_P423813	<u>DFNA5H</u>	PREDICTED: Rattus norvegicus deafness_ autosomal dominant 5 homolog (human) (Dfna5h)_ mRNA [XM_231759]	-0.21	0.00089
A_42_P704429	<u>FGF13</u>	Rattus norvegicus fibroblast growth factor 13 (Fgf13)_ mRNA [NM_053428]	-0.21	0.00087
A_42_P746851	<u>AW916157</u>	AW916157 EST347461 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGID175 5' end_ mRNA sequence [AW916157]	-0.21	0.00079
A_42_P721973	<u>CB714517</u>	AMGNNUC:URRG1-00088-F12-A urrg1 (14046) Rattus norvegicus cDNA clone urrg1-00088-f12 5'_ mRNA sequence [CB714517]	-0.21	0.00079
A_44_P699369	<u>TC554318</u>	Q9QM75 (Q9QM75) PX_ partial (8%) [TC554318]	-0.21	0.00073
A_44_P873549	<u>TC550054</u>	Unknown	-0.21	0.00069
A_44_P539035	<u>NM_001013921</u>	Rattus norvegicus similar to RIKEN cDNA 1810033A06 (RGD1311144)_ mRNA [NM_001013921]	-0.21	0.00067
A_44_P712590	<u>BF287768</u>	BF287768 EST452359 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIGJ80 5' sequence_ mRNA sequence [BF287768]	-0.21	0.00063
A_44_P775534	<u>ENSRNOT000000</u>	Unknown	-0.21	0.00054
A_43_P12012	<u>CRRY</u>	Rattus norvegicus complement receptor related protein (Crry)_ transcript variant 1_ mRNA [NM_001005330]	-0.21	0.00044
A_44_P951135	<u>BF285915</u>	BF285915 EST450506 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIFL07_ mRNA sequence [BF285915]	-0.21	0.00043
A_44_P172825	<u>NRXN2</u>	Rattus norvegicus neurexin 2 (Nrxn2)_ mRNA [NM_053846]	-0.21	0.00039
A_44_P522336	<u>NUP88</u>	Rattus norvegicus nucleoporin 88 (Nup88)_ mRNA [NM_053616]	-0.21	0.00034
A_44_P466434	<u>RGD1306526</u>	PREDICTED: Rattus norvegicus hypothetical LOC310764 (predicted) (LOC310764)_ mRNA [XM_227559]	-0.21	0.00034
A_44_P988046	<u>BG668924</u>	BG668924 DRN03C03 Rat DRG Library Rattus norvegicus cDNA clone DRN03C03 5'_ mRNA sequence [BG668924]	-0.21	0.00029
A_43_P10703	<u>TC535255</u>	Q96QA3 (Q96QA3) FKSG11_ partial (93%) [TC535255]	-0.21	0.00027
A_44_P991045	<u>RGD1359460</u>	Rattus norvegicus MMR_HSR1 domain containing protein RGD1359460 (RGD1359460)_ mRNA [NM_001006959]	-0.21	0.00025
A_44_P245950	<u>RGD1561038</u>	PREDICTED: Rattus norvegicus similar to HECT type E3 ubiquitin ligase (LOC291209)_ mRNA [XM_225450]	-0.21	0.00025
A_44_P782378	<u>AI555172</u>	AI555172 UI-R-C2p-qt-f-05-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-qt-f-05-UI 3'_ mRNA sequence [AI555172]	-0.21	0.00022
A_44_P697832	<u>AW920624</u>	AW920624 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIGZ92 5' end_ mRNA sequence [AW920624]	-0.21	0.00013
A_44_P991114	<u>APRIN</u>	PREDICTED: Rattus norvegicus androgen-induced proliferation inhibitor (predicted) (Aprin_predicted)_ mRNA [XM_221833]	-0.21	0.00012
A_43_P11497	<u>PTPN1</u>	Rattus norvegicus protein tyrosine phosphatase_ non-receptor type 1 (Ptpn1)_ mRNA [NM_012637]	-0.21	0.00008
A_44_P1036881	<u>BF563262</u>	UI-R-BO1-ajh-h-04-0-UI.r1 UI-R-BO1 Rattus norvegicus cDNA clone UI-R-BO1-ajh-h-04-0-UI 5'_ mRNA sequence [BF563262]	-0.21	0.00003
A_44_P612277	<u>BC098799</u>	Rattus norvegicus cDNA clone IMAGE:7375955 [BC098799]	-0.21	0.00003
A_44_P295669	<u>RBM27</u>	PREDICTED: Rattus norvegicus RNA binding motif protein 27 (predicted) (Rbm27_predicted)_ mRNA [XM_341605]	-0.21	0.00003
A_44_P264558	<u>DEK</u>	Rattus norvegicus DEK oncogene (DNA binding) (Dek)_ mRNA [NM_001004255]	-0.21	0.00002
A_42_P831552	<u>RGD1309934</u>	PREDICTED: Rattus norvegicus similar to Smhs2 homolog (predicted) (LOC361048)_ mRNA [XM_341328]	-0.21	0.00001
A_42_P734842	<u>CX569261</u>	RVL191 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [CX569261]	-0.21	0.00001
A_44_P975848	<u>TC556684</u>	T38738 major facilitator homolog transporter - fission yeast (Schizosaccharomyces pombe) {Schizosaccharomyces pombe;} _ partial (4%) [TC556684]	-0.22	0.00434
A_44_P714618	<u>TC554007</u>	Q82XD0 (Q82XD0) Biopolymer transport protein ExbD/TolR_ partial (12%) [TC554007]	-0.22	0.00424
A_44_P540738	<u>MATR3</u>	Rattus norvegicus matrin 3 (Matr3)_ mRNA [NM_019149]	-0.22	0.00362
A_44_P945829	<u>TC523525</u>	DMBN4L24 BACN4L24.e {Drosophila melanogaster;} _ partial (9%) [TC523525]	-0.22	0.00351
A_44_P349702	<u>RGD1565814</u>	PREDICTED: Rattus norvegicus hypothetical LOC299262 (LOC299262)_ mRNA [XM_238465]	-0.22	0.00349
A_44_P665677	<u>BF566488</u>	BF566488 UI-R-BT1-akg-h-07-0-UI.r1 UI-R-BT1 Rattus norvegicus cDNA clone UI-R-BT1-akg-h-07-0-UI 5'_ mRNA sequence [BF566488]	-0.22	0.00337
A_43_P10498	<u>ZFP451</u>	Rattus norvegicus similar to zinc finger protein 451; coactivator for steroid receptors (LOC316312)_ mRNA [XM_237039]	-0.22	0.00319
A_44_P364005	<u>AW920322</u>	AW920322 EST351626 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIGU02 5' end_ mRNA sequence [AW920322]	-0.22	0.00311
A_44_P730150	<u>TC556399</u>	Unknown	-0.22	0.00298
A_44_P655158	<u>TC528434</u>	Unknown	-0.22	0.00296
A_42_P479312	<u>RBM5</u>	Rattus norvegicus similar to RNA binding motif protein 5 (LOC300996)_ mRNA [XM_217263]	-0.22	0.00280

A_43_P14365	BS69	Rattus norvegicus BS69 protein (BS69)_ transcript variant 3_ mRNA [NM_203369]	-0.22	0.00248
A_44_P791927	TC555896	SEP3_MOUSE (Q9Z1S5) Neuronal-specific septin 3_ partial (8%) [TC555896]	-0.22	0.00239
A_44_P393202	BG670036	BG670036 DRNAEOE10 Rat DRG Library Rattus norvegicus cDNA clone DRNAEOE10 5'_ mRNA sequence [BG670036]	-0.22	0.00238
A_42_P781585	NM_001037554	Rattus norvegicus brain expressed X-linked 4 (Bex4)_ mRNA [NM_001037554]	-0.22	0.00186
A_44_P480390	RGD1565281	PREDICTED: Rattus norvegicus similar to Seizure related 6 homolog (mouse)-like 2 (LOC308988)_ mRNA [XM_219339]	-0.22	0.00173
A_44_P526795	AW919696	AW919696 EST351000 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIGF76 5' end_ mRNA sequence [AW919696]	-0.22	0.00149
A_44_P215056	ITPR1	Rattus norvegicus inositol 1_4_5-triphosphate receptor 1 (Itpr1)_ mRNA [NM_001007235]	-0.22	0.00139
A_44_P485271	PCDHB9	Rattus norvegicus similar to protocadherin beta 9 (LOC307490)_ mRNA [XM_226046]	-0.22	0.00115
A_44_P946927	TC545669	Unknown	-0.22	0.00089
A_44_P700864	TC558541	Q8CAN1 (Q8CAN1) Mus musculus adult male hypothalamus cDNA_ RIKEN full-length enriched library_ clone:A230005O06 product:syntaxin 3_ full insert sequence_ partial (11%) [TC558541]	-0.22	0.00057
A_44_P905337	A_44_P905337	Unknown	-0.22	0.00029
A_44_P411771	AW914928	AW914928 EST346232 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGIBM43 5' end_ mRNA sequence [AW914928]	-0.22	0.00029
A_44_P413265	AA875527	AA875527 UI-R-E0-cv-f-07-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-cv-f-07-0-UI 3'_ mRNA sequence [AA875527]	-0.22	0.00020
A_44_P493791	AI172537	AI172537 UI-R-C2p-nu-h-04-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-nu-h-04-0-UI 3'_ mRNA sequence [AI172537]	-0.22	0.00006
A_44_P980830	A_44_P980830	Unknown	-0.22	0.00002
A_44_P637889	TC520832	Unknown	-0.22	0.00002
A_44_P670412	TC546050	Unknown	-0.22	0.00001
A_43_P17094	XM_216376	Rattus norvegicus similar to testes development-related NYD-SP22 isoform 1 (LOC297999)_ mRNA [XM_216376]	-0.23	0.00487
A_42_P709819	AW921546	AW921546 EST352850 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIIA63 5' end_ mRNA sequence [AW921546]	-0.23	0.00482
A_44_P450055	RGD1562437	PREDICTED: Rattus norvegicus similar to transcription elongation regulator 1-like (LOC361669)_ mRNA [XM_341952]	-0.23	0.00443
A_44_P948572	TC526296	SYA_AQUAE (O67632) Tyrosyl-tRNA synthetase (Tyrosine--tRNA ligase) (TyrRS) _ partial (5%) [TC526296]	-0.23	0.00433
A_44_P1021246	AA965157	AA965157 UI-R-C0-hc-h-12-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hc-h-12-0-UI 3'_ mRNA sequence [AA965157]	-0.23	0.00412
A_44_P745881	TC556244	Unknown	-0.23	0.00379
A_44_P509588	BG665790	BG665790 DRACIF10 Rat DRG Library Rattus norvegicus cDNA clone DRACIF10 5'_ mRNA sequence [BG665790]	-0.23	0.00363
A_44_P705817	TC557120	Unknown	-0.23	0.00341
A_44_P987888	AW914294	AW914294 EST345598 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIAD11 5' end_ mRNA sequence [AW914294]	-0.23	0.00329
A_44_P776823	TC556638	Unknown	-0.23	0.00305
A_44_P370015	PGRMC1	Rattus norvegicus progesterone receptor membrane component 1 (Pgrmc1)_ mRNA [NM_021766]	-0.23	0.00301
A_44_P371952	AW143923	AW143923 EST294219 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICD08 5' end_ mRNA sequence [AW143923]	-0.23	0.00284
A_44_P871255	TC549709	Unknown	-0.23	0.00275
A_44_P261599	AA997406	AA997406 UI-R-C0-hr-e-04-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hr-e-04-0-UI 3'_ mRNA sequence [AA997406]	-0.23	0.00273
A_44_P612186	TC555449	Unknown	-0.23	0.00252
A_44_P998234	BF550555	BF550555 UI-R-C0-jj-h-03-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-jj-h-03-0-UI 5'_ mRNA sequence [BF550555]	-0.23	0.00201
A_44_P1042754	SLC7A10	Rattus norvegicus solute carrier family 7 (cationic amino acid transporter_ y+ system)_ member 10 (Slc7a10)_ mRNA [NM_053726]	-0.23	0.00196
A_44_P513058	AF053360	Rattus norvegicus nonmuscle tropomyosin 5 (Tpm5) isoforms NM 8 and NM 9 mRNA_ partial cds. [AF053360]	-0.23	0.00173
A_44_P227994	ITPKA	Rattus norvegicus inositol 1_4_5-trisphosphate 3-kinase A (Itпка)_ mRNA [NM_031045]	-0.23	0.00152
A_44_P870143	TC526172	Unknown	-0.23	0.00111
A_44_P439995	MKL1	PREDICTED: Rattus norvegicus megakaryoblastic leukemia (translocation) 1 (predicted) (Mkl1_predicted)_ mRNA [XM_235497]	-0.23	0.00088
A_43_P14705	TC541677	Unknown	-0.23	0.00088
A_43_P13843	CA503916	CA503916 UI-R-FS1-cqe-c-18-0-UI.s1 NCI_CGAP_FS1 Rattus norvegicus cDNA clone IMAGE:7361708 3'_ mRNA sequence [CA503916]	-0.23	0.00079
A_44_P486446	D00634	RATB1ARA Rattus norvegicus gene for beta-1 adrenergic receptor_ complete cds [D00634]	-0.23	0.00072
A_44_P342245	RGD1565602	PREDICTED: Rattus norvegicus similar to PLU1 (LOC304809)_ mRNA [XM_239761]	-0.23	0.00070
A_44_P792368	TC523218	Q6NGM7 (Q6NGM7) Prolyl-tRNA synthetase _ partial (3%) [TC523218]	-0.23	0.00063

A 44 P995887	TC555895	Unknown	-0.23	0.00046
A 42 P566457	NM_001033931	Rattus norvegicus germ cell-less protein (Gcl)_ transcript variant 1_ mRNA [NM_001033931]	-0.23	0.00038
A 44 P183908	BG664811	BG664811 DRABLE10 Rat DRG Library Rattus norvegicus cDNA clone DRABLE10 5' mRNA sequence [BG664811]	-0.23	0.00027
A 44 P483522	AA899721	AA899721 UI-R-E0-dg-c-07-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dg-c-07-0-UI 3' similar to gi [AA899721]	-0.23	0.00025
A 44 P288997	AW916759	AW916759 EST348167 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDV89 5' end_ mRNA sequence [AW916759]	-0.23	0.00021
A 44 P423490	NM_001025688	Rattus norvegicus palmdelphin (Palmd)_ mRNA [NM_001025688]	-0.23	0.00016
A 43 P15169	TC551865	Unknown	-0.23	0.00013
A 44 P125025	TGFB3	Rattus norvegicus transforming growth factor_ beta 3 (Tgfb3)_ mRNA [NM_013174]	-0.23	0.00012
A 43 P10901	ITM2C	Rattus norvegicus integral membrane protein 2C (Itm2c)_ mRNA [NM_001009674]	-0.23	0.00010
A 44 P956070	AW143079	AW143079 EST293375 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIBD09 5' end_ mRNA sequence [AW143079]	-0.23	0.00007
A 42 P650386	NM_001034127	Rattus norvegicus asparagine-linked glycosylation 8 homolog (yeast_ alpha-1_3-glucosyltransferase) (Alg8)_ mRNA [NM_001034127]	-0.23	0.00005
A 44 P914137	A 44 P914137	Unknown	-0.23	0.00004
A 44 P1020311	RGD1562629	PREDICTED: Rattus norvegicus similar to neurobeachin (LOC361948)_ mRNA [XM_342248]	-0.23	0.00002
A 42 P585995	RGD1308116	PREDICTED: Rattus norvegicus similar to hypothetical protein MGC42105 (predicted) (LOC310376)_ mRNA [XM_227081]	-0.23	0.00000
A 44 P827099	TC566302	Q8BU53 (Q8BU53) Mus musculus 2 days pregnant adult female oviduct cDNA_ RIKEN full-length enriched library_ clone:E230038K10 product:procollagen-proline_ 2-oxoglutarate 4-dioxygenase	-0.24	0.00474
A 44 P960576	TC539128	Q89KT0 (Q89KT0) L-lactate dehydrogenase_ partial (6%) [TC539128]	-0.24	0.00470
A 42 P460340	MAL2	Rattus norvegicus mal_ T-cell differentiation protein 2 (Mal2)_ mRNA [NM_198786]	-0.24	0.00430
A 44 P588098	AI555277	AI555277 UI-R-C2p-qq-a-04-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-qq-a-04-0-UI 3' mRNA sequence [AI555277]	-0.24	0.00415
A 43 P14310	NR2F1	Rattus norvegicus nuclear receptor subfamily 2_ group F_ member 1 (Nr2f1)_ mRNA [NM_031130]	-0.24	0.00370
A 44 P717825	TC542591	Unknown	-0.24	0.00346
A 44 P849099	AW915979	AW915979 EST347283 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDE47 5' end_ mRNA sequence [AW915979]	-0.24	0.00325
A 44 P236539	RGD1309219	Rattus norvegicus similar to hypothetical protein HSPC129 (LOC311368)_ mRNA [XM_230521]	-0.24	0.00301
A 44 P761066	NM_001014250	Rattus norvegicus similar to autophagy 5-like (LOC365601)_ mRNA [NM_001014250]	-0.24	0.00297
A 44 P295680	AI385133	AI385133 UI-R-A0-ay-f-02-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-ay-f-02-0-UI 3' mRNA sequence [AI385133]	-0.24	0.00282
A 44 P683778	TC536099	Q62710 (Q62710) Nitric oxide synthase_ partial (34%) [TC536099]	-0.24	0.00263
A 44 P392846	COL5A2	Rattus norvegicus mRNA for collagen alpha 2 type V_ partial CDS. [AJ224880]	-0.24	0.00162
A 44 P1014527	ALMS1	Rattus norvegicus similar to Almstrom syndrome 1 protein (LOC297408)_ mRNA [XM_216189]	-0.24	0.00144
A 44 P655502	TC567885	Unknown	-0.24	0.00140
A 44 P998423	TC552297	P24_HUMAN (Q15363) Cop-coated vesicle membrane protein p24 precursor (p24A)_ partial (18%) [TC552297]	-0.24	0.00129
A 44 P930999	TC543232	Unknown	-0.24	0.00122
A 44 P292419	AA944408	AA944408 EST199907 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMAG71 3' end_ mRNA sequence [AA944408]	-0.24	0.00106
A 44 P469780	AW915217	AW915217 EST346521 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICM68 5' end_ mRNA sequence [AW915217]	-0.24	0.00090
A 44 P716457	BP482588	BP482588 Rattus norvegicus pancreatic islet Rattus norvegicus cDNA clone RBC00282 5' mRNA sequence [BP482588]	-0.24	0.00089
A 44 P564669	TC544957	Unknown	-0.24	0.00080
A 44 P654363	TC525338	Unknown	-0.24	0.00069
A 44 P622334	DV722810	RVL14474 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV722810]	-0.24	0.00049
A 42 P739860	DUSP5	Rattus norvegicus dual specificity phosphatase 5 (Dusp5)_ mRNA [NM_133578]	-0.24	0.00048
A 44 P761087	TC519944	Unknown	-0.24	0.00036
A 44 P269457	GPR83	Rattus norvegicus G protein-coupled receptor 83 (Gpr83)_ mRNA [NM_080411]	-0.24	0.00035
A 44 P791729	TC520825	Unknown	-0.24	0.00033
A 43 P10955	TC523349	Unknown	-0.24	0.00031
A 44 P182136	AI556689	AI556689 UI-R-C2p-rj-c-12-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rj-c-12-0-UI 3' mRNA sequence [AI556689]	-0.24	0.00017
A 44 P609775	DV725920	RVL18161 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV725920]	-0.24	0.00014

A_44_P822616	<a href="#">XM_576312</a>	PREDICTED: Rattus norvegicus E1A binding protein p300 (Ep300)_ mRNA [XM_576312]	-0.24	0.00003
A_44_P945336	<a href="#">TC538946</a>	Unknown	-0.24	0.00002
A_44_P962886	<a href="#">TC533990</a>	Unknown	-0.24	0.00001
A_44_P290966	<a href="#">RGD1565392</a>	PREDICTED: Rattus norvegicus similar to Protocadherin 19 precursor (LOC317183)_ mRNA [XM_228429]	-0.24	0.00001
A_44_P671137	<a href="#">TC549952</a>	Q9ERK2 (Q9ERK2) Nephrilysin-like peptidase gamma_partial (3%) [TC549952]	-0.24	0.00001
A_42_P717631	<a href="#">AI230097</a>	AI230097 EST226792 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMCR05 3' end_ mRNA sequence [AI230097]	-0.24	0.00000
A_42_P800949	<a href="#">HIPK3</a>	Rattus norvegicus homeodomain interacting protein kinase 3 (Hipk3)_ mRNA [NM_031787]	-0.25	0.00435
A_44_P599219	<a href="#">AI556563</a>	AI556563 UI-R-C2p-rm-f-03-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rm-f-03-0-UI 3'_ mRNA sequence [AI556563]	-0.25	0.00381
A_44_P302944	<a href="#">PEM</a>	Rattus norvegicus placenta and embryos oncofetal gene (Pem)_ mRNA [NM_022175]	-0.25	0.00345
A_42_P727022	<a href="#">RAB40B</a>	PREDICTED: Rattus norvegicus Rab40b_member RAS oncogene family (predicted) (Rab40b_predicted)_ mRNA [XM_221213]	-0.25	0.00255
A_44_P200690	<a href="#">BM986264</a>	BM986264 EST531718 Rat gene index_normalized rat_norvegicus Rattus norvegicus cDNA clone RGIAD14 3' end similar to ubiquitin-conjugating enzyme UbcE2A_ mRNA sequence [BM986264]	-0.25	0.00250
A_44_P339571	<a href="#">BTG3</a>	Rattus norvegicus B-cell translocation gene 3 (Btg3)_ mRNA [NM_019290]	-0.25	0.00248
A_43_P14131	<a href="#">RGS2</a>	Rattus norvegicus regulator of G-protein signaling 2 (Rgs2)_ mRNA [NM_053453]	-0.25	0.00215
A_43_P18464	<a href="#">XM_221871</a>	Rattus norvegicus similar to KIAA0774 protein (LOC304259)_ mRNA [XM_221871]	-0.25	0.00202
A_44_P980916	<a href="#">AW142820</a>	AW142820 EST293074 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIAW35 5' end_ mRNA sequence [AW142820]	-0.25	0.00200
A_44_P261473	<a href="#">BC089934</a>	Rattus norvegicus cDNA clone IMAGE:7309127 [BC089934]	-0.25	0.00199
A_44_P777173	<a href="#">NM_001013984</a>	Rattus norvegicus similar to N-acetylneuraminase pyruvate lyase (LOC304860)_ mRNA [NM_001013984]	-0.25	0.00192
A_44_P461857	<a href="#">RGD1566024</a>	PREDICTED: Rattus norvegicus similar to 40S ribosomal protein S2 (LOC366237)_ mRNA [XM_345460]	-0.25	0.00161
A_44_P962890	<a href="#">TC533990</a>	Unknown	-0.25	0.00160
A_44_P513360	<a href="#">CDKN3</a>	PREDICTED: Rattus norvegicus cyclin-dependent kinase inhibitor 3 (predicted) (Cdkn3_predicted)_ mRNA [XM_214152]	-0.25	0.00151
A_44_P376043	<a href="#">BF390703</a>	BF390703 UI-R-CA1-bco-d-09-0-UI.s1 UI-R-CA1 Rattus norvegicus cDNA clone UI-R-CA1-bco-d-09-0-UI 3'_ mRNA sequence [BF390703]	-0.25	0.00145
A_44_P437956	<a href="#">STC1</a>	Rattus norvegicus stanniocalcin 1 (Stc1)_ mRNA [NM_031123]	-0.25	0.00143
A_44_P761679	<a href="#">BF550875</a>	BF550875 UI-R-C1-jy-d-12-0-UI.r1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-jy-d-12-0-UI 5'_ mRNA sequence [BF550875]	-0.25	0.00104
A_44_P497107	<a href="#">RGD1305604</a>	PREDICTED: Rattus norvegicus similar to CG2919-PA (predicted) (LOC362580)_ mRNA [XM_342899]	-0.25	0.00094
A_42_P592144	<a href="#">FATH</a>	Rattus norvegicus fat tumor suppressor homolog (Drosophila) (Fath)_ mRNA [NM_031819]	-0.25	0.00084
A_44_P808142	<a href="#">TC525053</a>	Unknown	-0.25	0.00076
A_44_P700360	<a href="#">DV719388</a>	RVL10156 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV719388]	-0.25	0.00069
A_44_P452114	<a href="#">GLS</a>	Rattus norvegicus kidney-type glutaminase GAC isoform mRNA_partial cds. [AY083459]	-0.25	0.00065
A_44_P849334	<a href="#">DV719405</a>	RVL10173 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV719405]	-0.25	0.00057
A_43_P15205	<a href="#">XM_576514</a>	PREDICTED: Rattus norvegicus similar to serum response factor (LOC501099)_ mRNA [XM_576514]	-0.25	0.00050
A_43_P10648	<a href="#">TC538971</a>	O22514 (O22514) Proline rich protein_partial (9%) [TC538971]	-0.25	0.00047
A_43_P10156	<a href="#">AW143833</a>	EST294129 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RIGIB09 5' end_ mRNA sequence [AW143833]	-0.25	0.00042
A_43_P11288	<a href="#">RGD1562991</a>	PREDICTED: Rattus norvegicus similar to UCH37-interacting protein 1 (LOC293844)_ mRNA [XM_215225]	-0.25	0.00037
A_44_P917235	<a href="#">TC566914</a>	Unknown	-0.25	0.00036
A_44_P563512	<a href="#">TC527750</a>	Unknown	-0.25	0.00033
A_44_P1025861	<a href="#">AA956888</a>	AA956888 UI-R-E1-fr-a-07-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-fr-a-07-0-UI 3' similar to gi [AA956888]	-0.25	0.00021
A_44_P884231	<a href="#">TC555441</a>	Unknown	-0.25	0.00015
A_43_P14347	<a href="#">TC522163</a>	Unknown	-0.25	0.00014
A_44_P363549	<a href="#">NOPD1</a>	PREDICTED: Rattus norvegicus nucleolar protein (NOL1/NOP2/sun) and PUA domains 1 (predicted) (Nopd1_predicted)_ mRNA [XM_225588]	-0.25	0.00011
A_44_P199597	<a href="#">CB544987</a>	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.25	0.00008
A_44_P214811	<a href="#">AW914888</a>	AW914888 EST346192 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RIGIB83 5' end_ mRNA sequence [AW914888]	-0.25	0.00007
A_42_P816402	<a href="#">WDR31</a>	Rattus norvegicus WD repeat domain 31 (Wdr31)_ mRNA [NM_001011976]	-0.25	0.00006
A_44_P199597	<a href="#">CB544987</a>	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.25	0.00006

A_44_P125443	BF289687	BF289687 EST454278 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHJ84_ mRNA sequence [BF289687]	-0.25	0.00005
A_44_P546170	UBE2H	Rattus norvegicus similar to Ubiquitin-conjugating enzyme E2 H (Ubiquitin-protein ligase H) (Ubiquitin carrier protein H) (UBCH2) (E2-20K) (LOC296956)_ mRNA [XM_216109]	-0.25	0.00004
A_43_P10127	MGC94335	Rattus norvegicus similar to hypothetical protein FLJ22555 (MGC94335)_ mRNA [NM_001004251]	-0.25	0.00003
A_44_P940501	AW143282	AW143282 EST293578 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIJ40 5' end_ mRNA sequence [AW143282]	-0.25	0.00003
A_44_P702390	TC554784	Unknown	-0.25	0.00003
A_42_P648006	AW915161	AW915161 EST346465 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICL49 5' end_ mRNA sequence [AW915161]	-0.25	0.00001
A_44_P837846	DV723320	RVL15080 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV723320]	-0.25	0.00001
A_44_P1008607	ACTR3	Rattus norvegicus actin-related protein 3 homolog (yeast) (Actr3)_ mRNA [XM_341112]	-0.25	0.00001
A_42_P591516	AA998612	AA998612 UI-R-C0-if-c-06-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-if-c-06-0-UI 3'_ mRNA sequence [AA998612]	-0.25	0.00001
A_44_P776252	TC553461	Q9ERK2 (Q9ERK2) Neprilysin-like peptidase gamma_ partial (3%) [TC553461]	-0.25	0.00000
A_44_P705949	TC541148	Unknown	-0.26	0.00497
A_44_P607517	TC541045	Q70R55 (Q70R55) Gp120 protein (Fragment)_ partial (7%) [TC541045]	-0.26	0.00452
A_44_P1019710	NM_001024745	Rattus norvegicus solute carrier family 39 (metal ion transporter)_ member 6 (Slc39a6)_ mRNA [NM_001024745]	-0.26	0.00383
A_44_P240731	ADCYAP1	Rattus norvegicus adenylate cyclase activating polypeptide 1 (Adcyap1)_ mRNA [NM_016989]	-0.26	0.00309
A_44_P628465	BF544609	UI-R-BT0-qh-h-11-0-UI.r1 UI-R-BT0 Rattus norvegicus cDNA clone UI-R-BT0-qh-h-11-0-UI 5'_ mRNA sequence [BF544609]	-0.26	0.00269
A_44_P1004886	MGC72614	Rattus norvegicus Unknown (protein for MGC:72614) (MGC72614)_ mRNA [NM_199105]	-0.26	0.00225
A_44_P655666	TC567231	Unknown	-0.26	0.00194
A_44_P639923	TC564397	Unknown	-0.26	0.00182
A_44_P581843	CO401680	AGENCOURT_27827034 NIH_MGC_252 Rattus norvegicus cDNA clone IMAGE:7310821 5'_ mRNA sequence [CO401680]	-0.26	0.00182
A_42_P723641	POPDC2	Rattus norvegicus popeye domain containing 2 (Popdc2)_ mRNA [NM_199113]	-0.26	0.00150
A_44_P233557	RSB-11-77	Rattus norvegicus RSB-11-77 protein (RSB-11-77)_ mRNA [NM_182669]	-0.26	0.00147
A_44_P748166	XM_575616	PREDICTED: Rattus norvegicus similar to TAF1 protein (LOC500266)_ mRNA [XM_575616]	-0.26	0.00143
A_44_P1039394	HRASLS	PREDICTED: Rattus norvegicus HRAS-like suppressor (predicted) (Hrasls_predicted)_ mRNA [XM_213590]	-0.26	0.00121
A_44_P987655	AW914041	AW914041 EST294819 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIZB53 5' end_ mRNA sequence [AW914041]	-0.26	0.00086
A_44_P541562	RGD1564127	PREDICTED: Rattus norvegicus similar to groucho protein GRG1-LDLZ2; Grg1-LDLZ2 (LOC367007)_ mRNA [XM_345891]	-0.26	0.00069
A_42_P725471	PTPN21	Rattus norvegicus protein tyrosine phosphatase 2E (Ptpn21)_ mRNA [NM_133545]	-0.26	0.00067
A_44_P133470	LOC363393	PREDICTED: Rattus norvegicus similar to GTPase activating protein testicular GAP1 (LOC363393)_ mRNA [XM_347133]	-0.26	0.00054
A_44_P1036943	AA900293	AA900293 UI-R-E0-dd-b-05-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dd-b-05-0-UI 3' similar to gi [AA900293]	-0.26	0.00052
A_43_P17230	NM_001034918	Rattus norvegicus similar to hypothetical protein FLJ10006 (RGD1304762)_ mRNA [NM_001034918]	-0.26	0.00048
A_44_P1057602	AW915906	AW915906 EST347210 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDC33 5' end_ mRNA sequence [AW915906]	-0.26	0.00039
A_44_P791696	DV725758	RVL17988 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV725758]	-0.26	0.00035
A_44_P1050325	RHEBL1	Rattus norvegicus Ras homolog enriched in brain like 1 (Rheb1)_ mRNA [NM_182825]	-0.26	0.00026
A_44_P828870	TC557172	Unknown	-0.26	0.00023
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.26	0.00014
A_44_P716856	TC550588	Q7PCP7 (Q7PCP7) GLP_414_18752_18162 (GLP_9_1212_622)_ partial (8%) [TC550588]	-0.26	0.00013
A_44_P380332	CYFIP2	PREDICTED: Rattus norvegicus cytoplasmic FMR1 interacting protein 2 (predicted) (Cyfip2_predicted)_ mRNA [XM_220333]	-0.26	0.00010
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.26	0.00009
A_44_P1002601	BF549601	BF549601 UI-R-C2-mv-e-05-0-UI.r1 UI-R-C2 Rattus norvegicus cDNA clone UI-R-C2-mv-e-05-0-UI 5'_ mRNA sequence [BF549601]	-0.26	0.00006
A_44_P398399	TM9SF2	Rattus norvegicus transmembrane 9 superfamily member 2 (Tm9sf2)_ mRNA [NM_001005554]	-0.26	0.00005
A_44_P300637	ZFP131	PREDICTED: Rattus norvegicus zinc finger protein 131 (predicted) (Zfp131_predicted)_ mRNA [XM_227104]	-0.26	0.00003
A_44_P205796	CETN3	PREDICTED: Rattus norvegicus centrin 3 (Cetn3)_ mRNA [XM_342168]	-0.26	0.00001
A_44_P470980	NM_001014037	Rattus norvegicus similar to 4833420G17Rik protein (RGD1306227)_ mRNA [NM_001014037]	-0.26	0.00001
A_44_P544757	AA801075	AA801075 EST190572 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVAA36 5' end_ mRNA sequence [AA801075]	-0.26	0.00000

A_44_P54867	AW917688	AW917688 EST348992 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEG83 5' end_ mRNA sequence [AW917688]	-0.26	0.00000
A_44_P761267	TC521072	Unknown	-0.27	0.00475
A_43_P15297	SYNPR	Rattus norvegicus synaptopodin (Synpr)_ mRNA [NM_023974]	-0.27	0.00304
A_43_P12965	NLGN1	Rattus norvegicus neuroligin 1 (Nlgn1)_ mRNA [NM_053868]	-0.27	0.00202
A_44_P424441	LOC363405	PREDICTED: Rattus norvegicus similar to nidogen 2 protein (LOC363405)_ mRNA [XM_347136]	-0.27	0.00190
A_42_P555426	DV714275	RVL3549 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV714275]	-0.27	0.00165
A_44_P605482	AY671904	Rattus norvegicus clone 30A-bis-RBSC mRNA sequence. [AY671904]	-0.27	0.00108
A_44_P336878	BF289560	BF289560 EST454151 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHI50_ mRNA sequence [BF289560]	-0.27	0.00090
A_44_P947069	TC545323	Unknown	-0.27	0.00084
A_44_P716774	BC092620	Rattus norvegicus cDNA clone IMAGE:7313056 [BC092620]	-0.27	0.00064
A_44_P392845	COL5A2	Rattus norvegicus collagen_type V_ alpha 2 (Col5a2)_ mRNA [XM_343564]	-0.27	0.00063
A_44_P820225	XM_574760	PREDICTED: Rattus norvegicus similar to minichromosome maintenance protein 8 isoform 1 (LOC499437)_ mRNA [XM_574760]	-0.27	0.00059
A_44_P1050444	ATP5S	Rattus norvegicus mitochondrial ATP synthase regulatory component factor B (Atp5s)_ mRNA [NM_001007749]	-0.27	0.00041
A_44_P654028	TC524770	Unknown	-0.27	0.00027
A_43_P17936	TC558785	Q75BU0 (Q75BU0) ACR181Cp_ partial (5%) [TC558785]	-0.27	0.00025
A_44_P270307	BF403864	BF403864 UI-R-CA1-bix-n-01-0-UI.s1 UI-R-CA1 Rattus norvegicus cDNA clone UI-R-CA1-bix-n-01-0-UI 3'_ mRNA sequence [BF403864]	-0.27	0.00024
A_44_P839072	TC542724	Unknown	-0.27	0.00013
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.27	0.00012
A_44_P715151	TC520950	TAF6_RAT (Q63801) Transcription initiation factor TFIID subunit 6 (Transcription initiation factor TFIID 70 kDa subunit) (TAF(II)70) (TAFII-70) (TAFII-80) (TAFII80) (p80)_ partial (28%) [TC520950]	-0.27	0.00007
A_44_P995051	SSX2IP	Rattus norvegicus synovial sarcoma_ X breakpoint 2 interacting protein (Ssx2ip)_ mRNA [NM_175597]	-0.27	0.00006
A_44_P824102	TC526114	Unknown	-0.27	0.00006
A_44_P323073	AW917635	AW917635 EST348939 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEG27 5' end_ mRNA sequence [AW917635]	-0.27	0.00005
A_42_P512252	WIT3.0	Rattus norvegicus wound inducible transcript 3.0 (Wit3.0)_ mRNA [NM_201421]	-0.27	0.00005
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_ mRNA sequence [CB544987]	-0.27	0.00004
A_44_P303430	AW142654	AW142654 EST292906 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGIAR57 5' end_ mRNA sequence [AW142654]	-0.27	0.00003
A_44_P592207	TC537000	Unknown	-0.27	0.00000
A_44_P728469	PTER	Rattus norvegicus phosphotriesterase related (Pter)_ mRNA [NM_022224]	-0.28	0.00477
A_44_P1017996	LOC361188	PREDICTED: Rattus norvegicus similar to WD repeat domain 17 (LOC361188)_ mRNA [XM_341470]	-0.28	0.00440
A_44_P837824	TC520566	Unknown	-0.28	0.00385
A_44_P777899	CX570069	RVL1182 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [CX570069]	-0.28	0.00356
A_44_P898943	TC552287	PARA_RAT (Q9HB97) Alpha-parvin (Actopaxin)_ complete [TC552287]	-0.28	0.00307
A_44_P256534	AW918699	AW918699 EST350003 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEW70 5' end_ mRNA sequence [AW918699]	-0.28	0.00298
A_42_P521814	TC540350	S15A_RAT (O54923) Exocyst complex component Sec15A (rSec15)_ partial (10%) [TC540350]	-0.28	0.00295
A_44_P505634	AW142807	AW142807 EST293061 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIAW15 5' end_ mRNA sequence [AW142807]	-0.28	0.00267
A_44_P579147	DV720344	RVL11340 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV720344]	-0.28	0.00266
A_44_P886652	TC532501	Q6YUI4 (Q6YUI4) Auxin-induced protein-like_ partial (6%) [TC532501]	-0.28	0.00237
A_44_P778450	XM_576964	PREDICTED: Rattus norvegicus similar to chromosome X open reading frame 23 (LOC501559)_ mRNA [XM_576964]	-0.28	0.00224
A_43_P10102	AW914942	EST346246 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGIBM61 5' end_ mRNA sequence [AW914942]	-0.28	0.00204
A_42_P741034	RGD1566282	PREDICTED: Rattus norvegicus similar to RIKEN cDNA D330045A20 (LOC315911)_ mRNA [XM_236533]	-0.28	0.00195
A_43_P23274	NM_001025288	Rattus norvegicus similar to RIKEN cDNA 4921520P21 (MGC114388)_ mRNA [NM_001025288]	-0.28	0.00183
A_44_P638253	TC557432	Unknown	-0.28	0.00098
A_42_P600870	XM_575775	PREDICTED: Rattus norvegicus similar to hypothetical protein (LOC500413)_ mRNA [XM_575775]	-0.28	0.00089
A_44_P715676	TC542574	Unknown	-0.28	0.00070

A_43_P10668	TC523402	Unknown	-0.28	0.00054
A_44_P795878	TC547717	Unknown	-0.28	0.00053
A_44_P897591	AA957047	AA957047 UI-R-E1-ge-a-08-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-ge-a-08-0-UI 3' mRNA sequence [AA957047]	-0.28	0.00052
A_42_P743580	RGS4	Rattus norvegicus regulator of G-protein signaling 4 (Rgs4)_ mRNA [NM_017214]	-0.28	0.00043
A_43_P10201	BG665180	BG665180 DRABZE10 Rat DRG Library Rattus norvegicus cDNA clone DRABZE10 5' mRNA sequence [BG665180]	-0.28	0.00039
A_44_P223003	BF567171	BF567171 UI-R-BO0-ahq-h-04-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahq-h-04-0-UI 5' mRNA sequence [BF567171]	-0.28	0.00022
A_44_P497672	BQ782805	BQ782805 UI-R-FF0-cpl-i-20-0-UI.s1 NCI_CGAP_FF0 Rattus norvegicus cDNA clone UI-R-FF0-cpl-i-20-0-UI 3' mRNA sequence [BQ782805]	-0.28	0.00013
A_43_P16968	RGD1562008	Rattus norvegicus similar to mKIAA0708 protein (LOC316228)_ mRNA [XM_236927]	-0.28	0.00009
A_44_P885072	TC559412	Unknown	-0.28	0.00008
A_44_P794536	TC528250	Q7TPJ2 (Q7TPJ2) Ac2-224_ partial (18%) [TC528250]	-0.28	0.00007
A_44_P234657	AI102873	AI102873 EST212162 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBT96 3' end_ mRNA sequence [AI102873]	-0.28	0.00005
A_44_P961703	DV721166	RVL12303 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV721166]	-0.28	0.00005
A_44_P416127	AI008939	AI008939 EST203390 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMBF75 3' end_ mRNA sequence [AI008939]	-0.28	0.00002
A_44_P1034640	TC518736	BC002833 cancer/testis antigen 2_ isoform b {Homo sapiens;}_ partial (11%) [TC518736]	-0.28	0.00002
A_42_P543694	PORF-2	Rat mRNA for preoptic regulatory factor-2 (PORF-2). [X53232]	-0.28	0.00001
A_44_P1036875	RGD1309634	PREDICTED: Rattus norvegicus hypothetical LOC305452 (predicted) (LOC305452)_ mRNA [XM_223536]	-0.28	0.00000
A_44_P449978	LOC292722	Rattus norvegicus similar to hypothetical protein FLJ90805 (LOC292722)_ mRNA [XM_218338]	-0.29	0.00410
A_44_P540279	AW144704	AW144704 EST290456 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RGIAI70 5' end similar to topoisomerase I_ mRNA sequence [AW144704]	-0.29	0.00337
A_42_P818546	ENSRNOT0000002	Q6P9Q4 (Q6P9Q4) Formin homology 2 domain containing 1_ partial (6%) [TC567129]	-0.29	0.00323
A_44_P315886	MAGI3	Rattus norvegicus membrane-associated guanylate kinase-related (MAGI-3) (Magi3)_ mRNA [NM_139084]	-0.29	0.00283
A_44_P501390	XM_573622	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 5730509K17 gene (LOC498386)_ mRNA [XM_573622]	-0.29	0.00254
A_44_P750250	TC566921	Unknown	-0.29	0.00221
A_44_P1004392	LOC288109	Rattus norvegicus similar to hypothetical protein FLJ20174 (LOC288109)_ mRNA [XM_221455]	-0.29	0.00199
A_42_P619996	SF3B1	PREDICTED: Rattus norvegicus splicing factor 3b_ subunit 1 (Sf3b1)_ mRNA [XM_343570]	-0.29	0.00087
A_43_P14919	PPM2C	Rattus norvegicus protein phosphatase 2C_ magnesium dependent_ catalytic subunit (Ppm2c)_ mRNA [NM_019372]	-0.29	0.00080
A_44_P653818	TC523183	Unknown	-0.29	0.00064
A_43_P10275	AW915934	AW915934 EST347238 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDC81 5' end_ mRNA sequence [AW915934]	-0.29	0.00053
A_44_P792577	CO394488	AGENCOURT_26754808 NIH_MGC_255 Rattus norvegicus cDNA clone IMAGE:7321167 5' mRNA sequence [CO394488]	-0.29	0.00045
A_44_P592800	TC559647	Q6SQ23 (Q6SQ23) Maturase (Fragment)_ partial (5%) [TC559647]	-0.29	0.00041
A_44_P117380	BF559538	BF559538 UI-R-A1-dx-d-02-0-UI.r1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-dx-d-02-0-UI 5' mRNA sequence [BF559538]	-0.29	0.00031
A_44_P917150	DV728005	RVL20600 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV728005]	-0.29	0.00025
A_42_P602570	NM_001037365	Rattus norvegicus brain expressed X-linked 1 (Bex1)_ mRNA [NM_001037365]	-0.29	0.00023
A_44_P593368	BG673595	DRN1F05 Rat DRG Library Rattus norvegicus cDNA clone DRN1F05 5' mRNA sequence [BG673595]	-0.29	0.00022
A_44_P528685	AW915063	AW915063 EST346367 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RGIBO54 5' end_ mRNA sequence [AW915063]	-0.29	0.00011
A_44_P891704	CK476494	AGENCOURT_17581926 NIH_MGC_232 Rattus norvegicus cDNA clone IMAGE:7125239 5' mRNA sequence [CK476494]	-0.29	0.00008
A_44_P915194	TC557698	HSA556684 immunoglobulin gamma heavy chain variable region {Homo sapiens;}_ partial (16%) [TC557698]	-0.29	0.00007
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5' mRNA sequence [CB544987]	-0.29	0.00003
A_44_P960935	TC556981	Unknown	-0.29	0.00002
A_42_P800669	BF289687	BF289687 EST454278 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHJ84_ mRNA sequence [BF289687]	-0.29	0.00001
A_44_P776231	TP53I11	PREDICTED: Rattus norvegicus tumor protein p53 inducible protein 11 (predicted) (Tp53i11_predicted)_ mRNA [XM_230296]	-0.3	0.00375
A_44_P640931	TC543001	Unknown	-0.3	0.00325
A_44_P855281	TC564012	Unknown	-0.3	0.00324
A_44_P715030	TC539553	Unknown	-0.3	0.00160

A_44_P639191	TC525457	Unknown	-0.3	0.00092
A_44_P852945	TC553952	R31B_PSEAE (Q9HY25) 50S ribosomal protein L31 type B_partial (24%) [TC553952]	-0.3	0.00083
A_44_P983155	LOC304237	PREDICTED: Rattus norvegicus similar to GTPase activating protein testicular GAP1 (LOC304237)_mRNA [XM_239589]	-0.3	0.00050
A_42_P455531	CHRM3	Rattus norvegicus cholinergic receptor_muscarinic 3 (Chrm3)_mRNA [NM_012527]	-0.3	0.00049
A_44_P978840	DV720702	RVL11758 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [DV720702]	-0.3	0.00028
A_44_P653849	TC524169	Unknown	-0.3	0.00023
A_44_P438158	LPHN3	Rattus norvegicus calcium-independent alpha-latrotoxin receptor homolog 3 (Lphn3)_mRNA [NM_130822]	-0.3	0.00019
A_43_P15659	GSTO1	Rattus norvegicus glutathione S-transferase omega 1 (Gsto1)_mRNA [XM_342062]	-0.3	0.00011
A_44_P715059	TC539683	Unknown	-0.3	0.00007
A_43_P11594	NPY5R	Rattus norvegicus neuropeptide Y receptor Y5 (Npy5r)_mRNA [NM_012869]	-0.3	0.00007
A_44_P779316	TC551515	Unknown	-0.3	0.00006
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_mRNA sequence [CB544987]	-0.3	0.00005
A_42_P488076	AW142579	AW142579 EST292831 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGIAQ04 5'_end_mRNA sequence [AW142579]	-0.3	0.00003
A_44_P684073	TC538910	Unknown	-0.3	0.00002
A_44_P652658	TC535554	Q8IRQ4 (Q8IRQ4) CG32741-PA_partial (6%) [TC535554]	-0.3	0.00002
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_mRNA sequence [CB544987]	-0.3	0.00002
A_44_P779894	TC535460	Unknown	-0.3	0.00001
A_44_P981062	A_44_P981062	Unknown	-0.3	0.00001
A_42_P593993	LIMK2	Rattus norvegicus LIM motif-containing protein kinase 2 (Limk2)_mRNA [NM_024135]	-0.3	0.00000
A_44_P853966	TC541745	Q8R4C3 (Q8R4C3) Csr1_partial (37%) [TC541745]	-0.3	0.00000
A_44_P522701	ADCYAP1	Rattus norvegicus adenylate cyclase activating polypeptide 1 (Adcyap1)_mRNA [NM_016989]	-0.3	0.00000
A_42_P501233	ADRA1D	Rattus norvegicus adrenergic receptor_alpha 1d (Adra1d)_mRNA [NM_024483]	-0.31	0.00389
A_44_P297337	RGD1566069	PREDICTED: Rattus norvegicus similar to GTPase activating protein testicular GAP1 (LOC361469)_mRNA [XM_346976]	-0.31	0.00276
A_44_P778162	CX569250	RVL178 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [CX569250]	-0.31	0.00214
A_44_P1031380	MYH1	PREDICTED: Rattus norvegicus type 2X myosin heavy chain (Myh1)_mRNA [XM_213345]	-0.31	0.00136
A_42_P594475	AI136136	AI136136 UI-R-C2p-ny-e-08-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-ny-e-08-0-UI 3'_mRNA sequence [AI136136]	-0.31	0.00084
A_44_P389493	RGD1562491	Rattus norvegicus similar to Ac1262 (LOC363416)_mRNA [XM_343740]	-0.31	0.00067
A_42_P715712	BI395758	BI395758 EST531629 Rat gene index_normalized rat_norvegicus Rattus norvegicus cDNA clone RGICN02 5'_end_mRNA sequence [BI395758]	-0.31	0.00055
A_44_P247644	AW917724	AW917724 EST349028 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIEH26 5'_end_mRNA sequence [AW917724]	-0.31	0.00042
A_44_P353850	TIAM2	PREDICTED: Rattus norvegicus T-cell lymphoma invasion and metastasis 2 (predicted) (Tiam2_predicted)_mRNA [XM_217851]	-0.31	0.00016
A_44_P589944	AI170356	AI170356 EST216282 Normalized rat lung_Bento Soares Rattus sp. cDNA clone RLUCH31 3'_end_mRNA sequence [AI170356]	-0.31	0.00011
A_44_P863359	RGD1562632	PREDICTED: Rattus norvegicus similar to leucine-rich repeats and calponin homology (CH) domain containing 2 (LOC367754)_mRNA [XM_346281]	-0.31	0.00009
A_44_P1042504	BC099190	Rattus norvegicus similar to RNA (guanine-9-) methyltransferase domain containing 2_mRNA (cDNA clone MGC:116361 IMAGE:7383412)_complete cds [BC099190]	-0.31	0.00008
A_44_P1048140	AI072036	AI072036 UI-R-C2-nd-g-01-0-UI.s1 UI-R-C2 Rattus norvegicus cDNA clone UI-R-C2-nd-g-01-0-UI 3'_mRNA sequence [AI072036]	-0.31	0.00007
A_43_P18644	TC543339	Unknown	-0.31	0.00001
A_44_P282826	BF558098	BF558098 UI-R-C0-hk-f-10-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hk-f-10-0-UI 5'_mRNA sequence [BF558098]	-0.31	0.00001
A_44_P670703	TC529841	Q69566 (Q69566) U88_partial (5%) [TC529841]	-0.31	0.00001
A_44_P199597	CB544987	CB544987 AMGNNUC:MRBE3-00114-H1-A rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00114-h1 5'_mRNA sequence [CB544987]	-0.31	0.00000
A_44_P926632	AI045167	AI045167 UI-R-C1-kk-e-08-0-UI.s1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-kk-e-08-0-UI 3'_mRNA sequence [AI045167]	-0.31	0.00000
A_44_P1011464	AA799294	AA799294 EST188791 Normalized rat heart_Bento Soares Rattus sp. cDNA clone RHEAA15 5'_end_mRNA sequence [AA799294]	-0.32	0.00250
A_44_P608543	DV728183	RVL20793 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [DV728183]	-0.32	0.00144
A_43_P19941	NM_001013857	Rattus norvegicus similar to RIKEN cDNA 4930449E07 (RGD1309150)_mRNA [NM_001013857]	-0.32	0.00110
A_44_P976842	DV718343	RVL8950 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [DV718343]	-0.32	0.00070



A_44_P726736	AI136297	AI136297 UI-R-C2p-aa-d-10-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-aa-d-10-0-UI 3'_ mRNA sequence [AI136297]	-0.32	0.00065
A_44_P517317	BC081885	Rattus norvegicus cDNA clone MGC:93760 IMAGE:7108525_ complete cds [BC081885]	-0.32	0.00065
A_44_P976296	TC541495	Unknown	-0.32	0.00060
A_42_P513859	BF550844	BF550844 UI-R-C1-jw-h-10-0-UI.r1 UI-R-C1 Rattus norvegicus cDNA clone UI-R-C1-jw-h-10-0-UI 5'_ mRNA sequence [BF550844]	-0.32	0.00058
A_44_P684397	CO398039	AGENCOURT_26745729 NIH_MGC_254 Rattus norvegicus cDNA clone IMAGE:7316288 5'_ mRNA sequence [CO398039]	-0.32	0.00031
A_44_P640057	TC565530	Unknown	-0.32	0.00025
A_44_P697233	AW141305	AW141305 EST291346 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIBL08 5' end similar to inositol polyphosphate 5-phosphatase II_ mRNA sequence [AW141305]	-0.32	0.00023
A_44_P777884	TC524832	CMGD_BACSU (P25956) ComG operon protein 4 precursor_ partial (11%) [TC524832]	-0.32	0.00017
A_44_P932384	TC545241	Unknown	-0.32	0.00016
A_44_P388755	KNSL7	Rattus norvegicus kinesin-like 7 (Kns17)_ mRNA [NM_181635]	-0.32	0.00009
A_44_P178576	CNKS2	Rattus norvegicus membrane-associated guanylate kinase-interacting protein (Cnks2)_ mRNA [NM_021686]	-0.32	0.00003
A_44_P285694	BFSP1	PREDICTED: Rattus norvegicus beaded filament structural protein 1 (Bfsp1)_ mRNA [XM_342529]	-0.32	0.00000
A_44_P577351	TC558986	Unknown	-0.32	0.00000
A_44_P542995	RNF25	Rattus norvegicus ring finger protein 25 (Rnf25)_ mRNA [NM_001012004]	-0.33	0.00438
A_44_P164848	AW142951	AW142951 EST293243 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone RGIBA19 5' end_ mRNA sequence [AW142951]	-0.33	0.00228
A_43_P12227	CRIP2	Rattus norvegicus cysteine-rich protein 2 (Crip2)_ mRNA [NM_022501]	-0.33	0.00169
A_44_P328930	BF555161	BF555161 UI-R-E0-cs-e-04-0-UI.r1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-cs-e-04-0-UI 5'_ mRNA sequence [BF555161]	-0.33	0.00061
A_44_P639429	TC527459	Unknown	-0.33	0.00027
A_44_P476810	BF286190	BF286190 EST450781 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIFN19 5' sequence_ mRNA sequence [BF286190]	-0.33	0.00024
A_44_P890340	A_44_P890340	Unknown	-0.33	0.00024
A_44_P978012	TC526598	Unknown	-0.33	0.00022
A_44_P886424	TX548010	ATPF_MYCPN (Q50327) ATP synthase B chain precursor _ partial (9%) [TC548010]	-0.33	0.00012
A_43_P14581	CX570449	RVL1602 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [CX570449]	-0.33	0.00008
A_44_P408679	SSX2IP	Rattus norvegicus synovial sarcoma_X breakpoint 2 interacting protein (Ssx2ip)_ mRNA [NM_175597]	-0.33	0.00007
A_44_P854908	CB583330	AMGNNUC:NRHY5-00351-C1-A W Rat hypothalamus (10471) Rattus norvegicus cDNA clone nrhy5-00351-c1 5'_ mRNA sequence [CB583330]	-0.33	0.00003
A_44_P376074	BF567841	BF567841 UI-R-BO0-ahn-c-11-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahn-c-11-0-UI 5'_ mRNA sequence [BF567841]	-0.33	0.00003
A_44_P950713	TC525833	Unknown	-0.33	0.00000
A_44_P634618	AW143298	AW143298 EST293594 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIBJ90 5' end_ mRNA sequence [AW143298]	-0.34	0.00305
A_42_P779282	SCN3B	Rattus norvegicus sodium channel_ voltage-gated_ type III_ beta (Scn3b)_ mRNA [NM_139097]	-0.34	0.00299
A_44_P684162	TC555852	Unknown	-0.34	0.00270
A_44_P158107	ARGBP2	Rattus norvegicus Arg/Abl-interacting protein ArgBP2 (Argbp2)_ mRNA [NM_053770]	-0.34	0.00206
A_44_P901848	TC549506	Unknown	-0.34	0.00095
A_44_P448717	PROM1	Rattus norvegicus prominin 1 (Prom1)_ mRNA [NM_021751]	-0.34	0.00061
A_44_P1018098	MOGAT1	PREDICTED: Rattus norvegicus monoacylglycerol O-acyltransferase 1 (predicted) (Mogat1_predicted)_ mRNA [XM_343602]	-0.34	0.00049
A_44_P285423	AW919005	AW919005 EST350309 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIFB50 5' end_ mRNA sequence [AW919005]	-0.34	0.00011
A_44_P1057585	HTATIP2	PREDICTED: Rattus norvegicus HIV-1 Tat interactive protein 2 (predicted) (Htatip2_predicted)_ mRNA [XM_214927]	-0.34	0.00002
A_42_P732189	RPL15	Rattus norvegicus ribosomal protein L15 (Rpl15)_ mRNA [NM_139114]	-0.34	0.00001
A_44_P670015	TC544250	Unknown	-0.34	0.00001
A_44_P946532	TC543645	Unknown	-0.34	0.00001
A_44_P684874	MTTP	PREDICTED: Rattus norvegicus microsomal triglyceride transfer protein (predicted) (Mttp_predicted)_ mRNA [XM_227765]	-0.34	0.00000
A_44_P716332	TC561946	Unknown	-0.34	0.00000
A_42_P636761	GZMM	Rattus norvegicus serine protease mRNA_ complete cds. [L05175]	-0.35	0.00418
A_44_P168720	RGD1566298	PREDICTED: Rattus norvegicus similar to ankyrin repeat and SOCS box-containing protein 11 (LOC302666)_ mRNA [XM_217616]	-0.35	0.00119

A_44_P640239	TC531760	Q8HL99 (Q8HL99) Cytochrome c oxidase subunit III_partial (5%) [TC531760]	-0.35	0.00087
A_44_P1013330	LOC363153	PREDICTED: Rattus norvegicus similar to Arpp21 protein (LOC363153)_mRNA [XM_343492]	-0.35	0.00083
A_44_P628484	TC551486	Unknown	-0.35	0.00052
A_44_P991472	RNF39	Rattus norvegicus ring finger protein 39 (Rnf39)_mRNA [NM_134374]	-0.35	0.00023
A_43_P15261	NR3C2	Rattus norvegicus nuclear receptor subfamily 3_group C_member 2 (Nr3c2)_mRNA [NM_013131]	-0.35	0.00001
A_44_P190838	XM_574926	PREDICTED: Rattus norvegicus similar to 6030410K14Rik protein (LOC499600)_mRNA [XM_574926]	-0.35	0.00000
A_44_P443636	AC079436	Rattus norvegicus chromosome 4 clone RP31-108L19 strain Brown Norway_complete sequence [AC079436]	-0.36	0.00134
A_42_P550344	TLE3	Rattus norvegicus transducin-like enhancer of split 3_E(spl) homolog (Drosophila) (Tle3)_mRNA [NM_053400]	-0.36	0.00069
A_43_P14410	TC522491	Q46702 (Q46702) TraN protein_partial (38%) [TC522491]	-0.36	0.00012
A_44_P1008398	STXBP6	Rattus norvegicus similar to amisyn (LOC362734)_mRNA [XM_343057]	-0.36	0.00007
A_44_P701913	TC545016	Q7TQ12 (Q7TQ12) Aa1114_partial (9%) [TC545016]	-0.36	0.00001
A_44_P592381	RGD1563633	PREDICTED: Rattus norvegicus similar to mKIAA0212 protein (LOC297504)_mRNA [XM_238366]	-0.36	0.00000
A_43_P15213	RGD1311768	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ32001 (predicted) (LOC360885)_mRNA [XM_341160]	-0.36	0.00000
A_44_P795327	TC528259	Unknown	-0.37	0.00493
A_44_P638274	TC557487	Q69566 (Q69566) U88_partial (5%) [TC557487]	-0.37	0.00233
A_44_P717404	TC568365	Unknown	-0.37	0.00040
A_44_P349199	GRIA4	Rattus norvegicus glutamate receptor_ionotropic_4 (Gria4)_mRNA [NM_017263]	-0.38	0.00292
A_44_P670480	TC528081	Unknown	-0.38	0.00222
A_44_P670043	TC544335	Q8BZ40 (Q8BZ40) Mus musculus adult male bone cDNA_RIKEN full-length enriched library_clone:9830169C09 product:ALANYL-TRNA SYNTHETASE (ALANINE--TRNA LIGASE) (ALARS	-0.38	0.00202
A_44_P624624	TC546683	Unknown	-0.38	0.00102
A_44_P657993	GPR22	PREDICTED: Rattus norvegicus G protein-coupled receptor 22 (predicted) (Gpr22_predicted)_mRNA [XM_234041]	-0.38	0.00091
A_44_P1003623	AI113137	AI113137 UI-R-C2p-nr-h-02-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-nr-h-02-0-UI 3'_mRNA sequence [AI113137]	-0.38	0.00020
A_44_P792746	TC558767	Unknown	-0.38	0.00017
A_44_P372874	RGD1307166	Rattus norvegicus similar to RIKEN cDNA 4930429H24 (LOC311114)_mRNA [XM_230006]	-0.38	0.00003
A_44_P175893	RGD1305721	Rattus norvegicus similar to RIKEN cDNA 2810055F11 (LOC314214)_mRNA [XM_234277]	-0.38	0.00002
A_43_P11684	ALPL	Rattus norvegicus alkaline phosphatase_tissue-nonspecific (Alpl)_mRNA [NM_013059]	-0.38	0.00001
A_44_P685671	TC527238	Unknown	-0.38	0.00000
A_44_P730004	TC521879	Unknown	-0.39	0.00358
A_44_P152199	NM_001014065	Rattus norvegicus similar to RIKEN cDNA 2810028A01 (LOC313436)_mRNA [NM_001014065]	-0.39	0.00254
A_44_P118630	CALB1	Rattus norvegicus calbindin 1 (Calb1)_mRNA [NM_031984]	-0.39	0.00238
A_44_P289080	PTPRO	Rattus norvegicus protein tyrosine phosphatase_receptor type_O (Ptpro)_mRNA [NM_017336]	-0.39	0.00172
A_44_P1049289	PTPLB	PREDICTED: Rattus norvegicus protein tyrosine phosphatase-like (proline instead of catalytic arginine)_member b (predicted) (Ptplb_predicted)_mRNA [XM_213610]	-0.39	0.00127
A_44_P998500	RGD1309150	Rattus norvegicus similar to RIKEN cDNA 4930449E07 (LOC287371)_mRNA [XM_213320]	-0.39	0.00008
A_44_P819401	AI407028	AI407028 EST235316 Normalized rat ovary_Bento Soares Rattus sp. cDNA clone ROVDR70 3' end_mRNA sequence [AI407028]	-0.39	0.00005
A_42_P489681	BC085903	Rattus norvegicus cDNA clone IMAGE:7193711 [BC085903]	-0.39	0.00000
A_44_P378536	DV727383	RVL19870 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [DV727383]	-0.4	0.00095
A_44_P593049	TC526272	Q8R4C3 (Q8R4C3) Csr1_partial (21%) [TC526272]	-0.4	0.00011
A_44_P1006451	TC542662	TXN6_HUMAN (Q86XW9) Thioredoxin domain containing protein 6 (Thioredoxin-like protein 2) (Txl-2)_partial (40%) [TC542662]	-0.4	0.00003
A_44_P577250	ZFP346	Rattus norvegicus cDNA clone IMAGE:7319814_with apparent retained intron [BC087636]	-0.4	0.00003
A_44_P699859	TC539563	Q6TXI1 (Q6TXI1) LRRGT00018_partial (6%) [TC539563]	-0.4	0.00001
A_44_P426717	RGD1309839	PREDICTED: Rattus norvegicus similar to hypothetical protein MGC26778 (predicted) (LOC291354)_mRNA [XM_225627]	-0.41	0.00442
A_42_P659321	BF551389	BF551389 UI-R-C0-ip-a-08-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-ip-a-08-0-UI 5'_mRNA sequence [BF551389]	-0.41	0.00182
A_42_P675879	CYP4F4	Rattus norvegicus cytochrome P450_family 4_subfamily f_polypeptide 4 (Cyp4f4)_mRNA [NM_173123]	-0.41	0.00021

A_44_P931389	TC526112	Unknown	-0.41	0.00002
A_44_P619439	BF566748	BF566748 UI-R-BJ0p-afg-h-01-0-UI.r1 UI-R-BJ0p Rattus norvegicus cDNA clone UI-R-BJ0p-afg-h-01-0-UI 5' mRNA sequence [BF566748]	-0.41	0.00000
A_43_P14111	KITL	Rattus norvegicus scf mRNA for stem cell factor KL-2_ complete cds. [AB105879]	-0.42	0.00416
A_44_P842364	TC565879	Unknown	-0.42	0.00031
A_42_P734688	TEC	PREDICTED: Rattus norvegicus tec protein tyrosine kinase (Tec)_ mRNA [XM_341208]	-0.42	0.00020
A_43_P10432	TC559383	Unknown	-0.42	0.00016
A_44_P610377	TC545318	Unknown	-0.42	0.00004
A_44_P918588	TC528976	Unknown	-0.42	0.00001
A_44_P202470	AA955742	UI-R-E1-fg-c-10-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-fg-c-10-0-UI 3' mRNA sequence [AA955742]	-0.42	0.00001
A_44_P562470	TC543600	Unknown	-0.42	0.00000
A_42_P841193	DDIT4L	Rattus norvegicus DNA-damage-inducible transcript 4-like (Ddit4l)_ mRNA [NM_080399]	-0.43	0.00104
A_44_P868418	AI043758	AI043758 UI-R-C0-jm-b-11-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-jm-b-11-0-UI 3' mRNA sequence [AI043758]	-0.43	0.00001
A_42_P787410	CACNA1B	Rattus norvegicus calcium channel_ voltage-dependent_ N type_ alpha 1B subunit (Cacna1b)_ mRNA [NM_147141]	-0.43	0.00000
A_44_P562894	NM_001013222	Rattus norvegicus Rho family GTPase 1 (Rnd1)_ mRNA [NM_001013222]	-0.43	0.00000
A_44_P276919	LOC367631	PREDICTED: Rattus norvegicus similar to protein tyrosine phosphatase-like (proline instead of catalytic arginine)_ member b (LOC367631)_ mRNA [XM_346233]	-0.44	0.00105
A_44_P286409	TTK	Rattus norvegicus similar to protein kinase (EC 2.7.1.-) esk splice form 2 - mouse (LOC315852)_ mRNA [XM_236477]	-0.44	0.00036
A_44_P1006058	CTSK	Rattus norvegicus cathepsin K (Ctsk)_ mRNA [NM_031560]	-0.44	0.00021
A_44_P948776	TC545935	Unknown	-0.44	0.00003
A_43_P15246	PTH1H	Rattus norvegicus parathyroid hormone-like peptide (Pthlh)_ mRNA [NM_012636]	-0.45	0.00393
A_44_P746633	TC542318	Unknown	-0.45	0.00202
A_44_P885793	TC561295	Unknown	-0.45	0.00087
A_44_P523208	RGD1311744	Rattus norvegicus similar to RIKEN cDNA 5830475i06 (LOC300608)_ mRNA [XM_217114]	-0.45	0.00004
A_44_P1049275	CB605666	CB605666 AMGNNUC:MRBE3-00079-C3-Z rat brain E15 (10374) Rattus norvegicus cDNA clone mrbe3-00079-c3_ mRNA sequence [CB605666]	-0.45	0.00000
A_44_P871211	TC566645	Unknown	-0.46	0.00416
A_44_P853794	TC523523	Unknown	-0.46	0.00027
A_42_P701855	SLC4A11	PREDICTED: Rattus norvegicus solute carrier family 4_ sodium bicarbonate transporter-like_ member 11 (predicted) (Slc4a11_predicted)_ mRNA [XM_230605]	-0.46	0.00026
A_44_P166967	NM_001013032	Rattus norvegicus neuropeptide Y receptor Y1 (Npy1r)_ mRNA [NM_001013032]	-0.46	0.00016
A_44_P1008738	AI137483	AI137483 UI-R-C2p-ol-f-12-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-ol-f-12-0-UI 3' mRNA sequence [AI137483]	-0.46	0.00014
A_44_P366303	MATN2	PREDICTED: Rattus norvegicus matrilin 2 (predicted) (Matn2_predicted)_ mRNA [XM_216941]	-0.47	0.00055
A_44_P240867	LHX2	PREDICTED: Rattus norvegicus LIM homeobox protein 2 (predicted) (Lhx2_predicted)_ mRNA [XM_216050]	-0.47	0.00000
A_44_P521946	AA850244	AA850244 EST193011 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVAE19 5' end_ mRNA sequence [AA850244]	-0.48	0.00020
A_44_P458021	TNFRSF11B	Rattus norvegicus tumor necrosis factor receptor superfamily_ member 11b (osteoprotegerin) (Tnfrsf11b)_ mRNA [NM_012870]	-0.49	0.00011
A_44_P975779	DV727686	RVL20223 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV727686]	-0.49	0.00009
A_44_P962800	TC531775	Q6U4K6 (Q6U4K6) NS5A (Fragment)_ partial (5%) [TC531775]	-0.5	0.00077
A_44_P624280	TC562720	Unknown	-0.5	0.00021
A_44_P763016	TC527059	Unknown	-0.5	0.00004
A_44_P809777	BF562739	UI-R-BO0-aid-f-11-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-aid-f-11-0-UI 5' mRNA sequence [BF562739]	-0.5	0.00003
A_44_P700424	TC559298	Unknown	-0.5	0.00000
A_42_P559337	AW918097	EST349401 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEM31 5' end_ mRNA sequence [AW918097]	-0.51	0.00000
A_42_P619056	GCNT2	Rattus norvegicus glucosaminyl (N-acetyl) transferase 2_ l-branching enzyme (Gcnt2)_ mRNA [NM_001001511]	-0.52	0.00266
A_42_P631453	MATN2	PREDICTED: Rattus norvegicus matrilin 2 (predicted) (Matn2_predicted)_ mRNA [XM_216941]	-0.52	0.00081
A_44_P463749	RASD1	PREDICTED: Rattus norvegicus RAS_ dexamethasone-induced 1 (Rasd1)_ mRNA [XM_340809]	-0.54	0.00001
A_44_P974063	BF284864	BF284864 EST449455 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEX25_ mRNA sequence [BF284864]	-0.54	0.00000

A_44_P270395	BF524138	BF524138 UI-R-Y0-ux-c-12-0-UI.r1 UI-R-Y0 Rattus norvegicus cDNA clone UI-R-Y0-ux-c-12-0-UI 5'_ mRNA sequence [BF524138]	-0.55	0.00008
A_44_P205869	GPR149	Rattus norvegicus G protein-coupled receptor 149 (Gpr149)_ mRNA [NM_138891]	-0.57	0.00007
A_44_P335241	ALDH3B1	Rattus norvegicus fatty aldehyde dehydrogenase-like (Aldh3b1)_ mRNA [NM_001006998]	-0.59	0.00025
A_44_P398529	NM_001014183	Rattus norvegicus similar to Protein C20orf103 precursor (RGD1306991)_ mRNA [NM_001014183]	-0.59	0.00000
A_42_P501479	AW920686	AW920686 EST351990 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIHB11 5' end_ mRNA sequence [AW920686]	-0.61	0.00029
A_44_P485948	BF285957	BF285957 EST450548 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIFL30_ mRNA sequence [BF285957]	-0.62	0.00001
A_44_P1015754	SLC22A3	Rattus norvegicus solute carrier family 22_ member 3 (Slc22a3)_ mRNA [NM_019230]	-0.63	0.00071
A_44_P731946	TC532125	Q99NG8 (Q99NG8) T:G mismatch thymine glycosylase_ partial (15%) [TC532125]	-0.64	0.00017
A_44_P128062	BK	Rattus norvegicus brain and kidney protein (Bk)_ mRNA [NM_138849]	-0.65	0.00020
A_42_P481167	GUCY1A3	Rattus norvegicus guanylate cyclase 1_ soluble_ alpha 3 (Gucy1a3)_ mRNA [NM_017090]	-0.66	0.00002
A_44_P145290	PVRL3	PREDICTED: Rattus norvegicus poliovirus receptor-related 3 (predicted) (Pvrl3_predicted)_ mRNA [XM_213626]	-0.69	0.00058
A_42_P473594	EGR2	Rattus norvegicus early growth response 2 (Egr2)_ mRNA [NM_053633]	-0.73	0.00011
A_44_P371317	HTR7	Rattus norvegicus 5-hydroxytryptamine (serotonin) receptor 7 (Htr7)_ mRNA [NM_022938]	-0.73	0.00000
A_43_P12478	CRH	Rattus norvegicus corticotropin releasing hormone (Crh)_ mRNA [NM_031019]	-0.77	0.00390
A_44_P748361	TC568496	Unknown	-0.84	0.00006
A_44_P976358	TC523929	Unknown	-0.84	0.00001
A_44_P988460	AW142021	AW142021 EST292136 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGICT88 5' end similar to transmembrane protein wolframin_ mRNA sequence [AW142021]	-0.86	0.00071
A_42_P719221	VIP	PREDICTED: Rattus norvegicus vasoactive intestinal polypeptide (Vip)_ mRNA [XM_217838]	-0.93	0.00003

**Supplementary Table 5. Genomic profiles of aged sprouting neurons at 7 day after stroke**

ProbeName	GeneName	Description	LogRatio	pValue
A_44_P491796	SPP1	Rattus norvegicus secreted phosphoprotein 1 (Spp1)_ mRNA [NM_012881]	2.74	0.00000
A_44_P1006058	CTSK	Rattus norvegicus cathepsin K (Ctsk)_ mRNA [NM_031560]	1.39	0.00219
A_42_P714311	CCL3	Rattus norvegicus chemokine (C-C motif) ligand 3 (Ccl3)_ mRNA [NM_013025]	1.27	0.00111
A_44_P990376	GPNMB	Rattus norvegicus glycoprotein (transmembrane) nmb (Gpnm)_ mRNA [NM_133298]	1.23	0.00310
A_44_P377266	OLDLR1	Rattus norvegicus oxidized low density lipoprotein (lectin-like) receptor 1 (Oldlr1)_ mRNA [NM_133306]	1.2	0.00275
A_44_P462661	IL1RN	Rattus norvegicus interleukin 1 receptor antagonist (Il1rn)_ mRNA [NM_022194]	1.2	0.00475
A_44_P366723	IGF1	Rattus norvegicus insulin-like growth factor 1 (Igf1)_ mRNA [NM_178866]	1.19	0.00011
A_44_P1044658	S43941	insulin-like growth factor I (exon 6) [rats_Genomic/mRNA_7224 nt] [S43941]	1.11	0.00032
A_43_P15750	ADN	PREDICTED: Rattus norvegicus adipsin (Adn)_ mRNA [XM_343169]	1.06	0.00132
A_44_P881475	AA874941	AA874941 UI-R-E0-ci-d-06-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-ci-d-06-0-UI 3' similar to gi [AA874941]	0.85	0.00487
A_44_P126021	IGF1	Rat pre-pro-insulin-like growth factor mRNA_class C_5' end. [M17594]	0.84	0.00029
A_42_P495969	APOC1	Rattus norvegicus apolipoprotein C-I (Apoc1)_ mRNA [NM_012824]	0.76	0.00292
A_44_P304024	GMFG	Rattus norvegicus glia maturation factor_ gamma (Gmfg)_ mRNA [NM_181091]	0.74	0.00456
A_43_P12841	ENPP1	Rattus norvegicus ectonucleotide pyrophosphatase/phosphodiesterase 1 (Enpp1)_ mRNA [NM_053535]	0.73	0.00497
A_44_P131986	GPR6	Rattus norvegicus G protein-coupled receptor 6 (Gpr6)_ mRNA [NM_031806]	0.68	0.00211
A_42_P518855	BCL2A1	Rattus norvegicus B-cell leukemia/lymphoma 2 related protein A1 (Bcl2a1)_ mRNA [NM_133416]	0.67	0.00240
A_42_P458530	RIPK3	Rattus norvegicus receptor-interacting serine-threonine kinase 3 (Ripk3)_ mRNA [NM_139342]	0.65	0.00382
A_44_P608078	TC539937	Unknown	0.64	0.00303
A_43_P11376	AW916994	AW916994 EST348298 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDX71 5' end_ mRNA sequence [AW916994]	0.63	0.00457
A_43_P18226	MYO1F	PREDICTED: Rattus norvegicus myosin IF (predicted) (Myo1f_predicted)_ mRNA [XM_234942]	0.62	0.00281
A_42_P462354	SVIL	PREDICTED: Rattus norvegicus supervillin (predicted) (Svil_predicted)_ mRNA [XM_341540]	0.61	0.00002
A_42_P461587	NGFB MAPPED	PREDICTED: Rattus norvegicus nerve growth factor_ beta (Ngfb)_ mRNA [XM_227525]	0.61	0.00016
A_42_P468216	NM_001030026	Rattus norvegicus interferon gamma inducible protein 30 (Ifi30)_ mRNA [NM_001030026]	0.6	0.00134
A_44_P634789	AW143623	AW143623 EST293919 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGIBW71 5' end_ mRNA sequence [AW143623]	0.59	0.00013
A_44_P185673	BE115614	BE115614 UI-R-BJ1-aww-h-12-0-UI.s1 UI-R-BJ1 Rattus norvegicus cDNA clone UI-R-BJ1-aww-h-12-0-UI 3'_ mRNA sequence [BE115614]	0.58	0.00009
A_44_P766678	BF557813	BF557813 UI-R-C0-gw-g-05-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-gw-g-05-0-UI 5'_ mRNA sequence [BF557813]	0.57	0.00011
A_44_P409022	AI178706	AI178706 EST222387 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLCU55 3' end_ mRNA sequence [AI178706]	0.57	0.00129
A_44_P473780	BE104219	BE104219 UI-R-BX0-arm-c-01-0-UI.s1 UI-R-BX0 Rattus norvegicus cDNA clone UI-R-BX0-arm-c-01-0-UI 3'_ mRNA sequence [BE104219]	0.56	0.00042
A_42_P505241	QPRT	Rattus norvegicus quinolinate phosphoribosyltransferase (Qprt)_ mRNA [NM_001009646]	0.55	0.00264
A_44_P787598	AW915403	AW915403 EST346707 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICV05 5' end_ mRNA sequence [AW915403]	0.53	0.00001
A_44_P641058	RBPSUH	PREDICTED: Rattus norvegicus recombining binding protein suppressor of hairless (Drosophila) (predicted) (Rbpsuh_predicted)_ mRNA [XM_232595]	0.53	0.00048
A_44_P212551	CCL4	Rattus norvegicus small inducible cytokine A4 (Ccl4)_ mRNA [NM_053858]	0.53	0.00211
A_44_P755803	AI145976	AI145976 UI-R-BT0-qc-g-05-0-UI.s1 UI-R-BT0 Rattus norvegicus cDNA clone UI-R-BT0-qc-g-05-0-UI 3'_ mRNA sequence [AI145976]	0.52	0.00279
A_43_P12955	FCCR3	PREDICTED: Rattus norvegicus similar to Fc gamma (IgG) receptor II (low affinity) alpha precursor - rat (LOC498276)_ mRNA [XM_573502]	0.52	0.00348
A_44_P145438	BF401593	BF401593 UI-R-CA0-bgm-d-11-0-UI.s1 UI-R-CA0 Rattus norvegicus cDNA clone UI-R-CA0-bgm-d-11-0-UI 3'_ mRNA sequence [BF401593]	0.51	0.00173
A_44_P500457	BI275926	BI275926 UI-R-CX0-bxi-b-04-0-UI.s1 UI-R-CX0 Rattus norvegicus cDNA clone UI-R-CX0-bxi-b-04-0-UI 3'_ mRNA sequence [BI275926]	0.51	0.00439
A_44_P315672	K02813	RATGLU6 Rat glucagon gene_ exon 6 [K02813]	0.5	0.00000
A_44_P341120	AI103284	AI103284 EST212573 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMBZ67 3' end_ mRNA sequence [AI103284]	0.5	0.00030
A_42_P596942	FILIP1	Rattus norvegicus filamin A interacting protein 1 (Filip1)_ mRNA [NM_145682]	0.5	0.00081
A_44_P479890	PRRX1	Rattus norvegicus paired related homeobox 1 (Prrx1)_ mRNA [NM_153821]	0.5	0.00113

A_44_P463980	<a href="#">RGD1565332</a>	PREDICTED: Rattus norvegicus similar to interferon induced transmembrane protein 3 (LOC289685)_ mRNA [XM_223483]	0.49	0.00003
A_44_P432470	<a href="#">AA999008</a>	AA999008 UI-R-C0-ih-d-11-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-ih-d-11-0-UI 3' mRNA sequence [AA999008]	0.49	0.00146
A_44_P520190	<a href="#">SECSL1</a>	Rattus norvegicus Rsec5 protein (Sec5l1)_ mRNA [NM_134414]	0.49	0.00156
A_44_P1051260	<a href="#">AW144101</a>	AW144101 EST294397 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone RGIC108 5' end_ mRNA sequence [AW144101]	0.48	0.00073
A_44_P1024729	<a href="#">BF558358</a>	BF558358 UI-R-E0-dm-f-02-0-UI.r1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dm-f-02-0-UI 5' mRNA sequence [BF558358]	0.48	0.00136
A_44_P845409	<a href="#">AW913993</a>	AW913993 EST294771 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIZA25 5' end_ mRNA sequence [AW913993]	0.47	0.00014
A_44_P662803	<a href="#">A_44_P662803</a>	Unknown	0.47	0.00122
A_44_P135277	<a href="#">ALCAM</a>	Rattus norvegicus activated leukocyte cell adhesion molecule (Alcam)_ mRNA [NM_031753]	0.46	0.00005
A_43_P10856	<a href="#">RGD1563950</a>	PREDICTED: Rattus norvegicus similar to NF-kappa-B-repressing factor (NFKB-repressing factor) (Transcription factor NRF) (LOC298316)_ mRNA [XM_233308]	0.46	0.00008
A_44_P995681	<a href="#">MELK</a>	Rattus norvegicus similar to protein kinase PK38 (LOC362510)_ mRNA [XM_342828]	0.46	0.00058
A_44_P368192	<a href="#">XM_228096</a>	Rattus norvegicus similar to protocadherin (LOC294352)_ mRNA [XM_228096]	0.45	0.00005
A_43_P19763	<a href="#">TLR2</a>	Rattus norvegicus toll-like receptor 2 (Tlr2)_ mRNA [NM_198769]	0.45	0.00009
A_44_P154164	<a href="#">A_44_P154164</a>	Unknown	0.45	0.00016
A_44_P137322	<a href="#">LHX9</a>	Rattus norvegicus LIM homeobox 9 (Lhx9)_ mRNA [NM_181367]	0.45	0.00053
A_43_P11749	<a href="#">HCK</a>	Rattus norvegicus hemopoietic cell kinase (Hck)_ mRNA [NM_013185]	0.45	0.00125
A_42_P812263	<a href="#">SAT_MAPPED</a>	Rattus norvegicus spermidine/spermine N1-acetyl transferase (mapped) (Sat_mapped)_ mRNA [NM_001007667]	0.45	0.00153
A_44_P175846	<a href="#">LOC307671</a>	PREDICTED: Rattus norvegicus similar to HBxAg transactivated protein 2 (LOC307671)_ mRNA [XM_226278]	0.44	0.00000
A_44_P392670	<a href="#">AA944343</a>	AA944343 EST199842 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMAF65 3' end_ mRNA sequence [AA944343]	0.44	0.00007
A_44_P638274	<a href="#">TC557487</a>	Q69566 (Q69566) U88_ partial (5%) [TC557487]	0.44	0.00028
A_44_P543813	<a href="#">HELIC1</a>	PREDICTED: Rattus norvegicus helicase_ATP binding 1 (predicted) (Helic1_predicted)_ mRNA [XM_228345]	0.44	0.00349
A_44_P1036481	<a href="#">RGD1566064</a>	PREDICTED: Rattus norvegicus similar to KIAA1096 protein (LOC360865)_ mRNA [XM_341141]	0.43	0.00000
A_44_P1036480	<a href="#">LOC307671</a>	PREDICTED: Rattus norvegicus similar to HBxAg transactivated protein 2 (LOC307671)_ mRNA [XM_226278]	0.43	0.00000
A_44_P353672	<a href="#">KCND2</a>	Rattus norvegicus potassium voltage gated channel_ Shal-related family_ member 2 (Kcnd2)_ mRNA [NM_031730]	0.43	0.00432
A_43_P22936	<a href="#">AKAP3</a>	Rattus norvegicus A-kinase anchor protein 3 (Akap3)_ mRNA [NM_001005557]	0.42	0.00001
A_44_P371984	<a href="#">DPP4</a>	Rat bile canaliculus domain-specific membrane glycoprotein mRNA_ complete cds. [J02997]	0.42	0.00014
A_44_P227680	<a href="#">CA508481</a>	CA508481 UI-R-FS0-cqn-d-12-0-UI.s1 NCI_CGAP_FS0 Rattus norvegicus cDNA clone IMAGE:7355582 3' mRNA sequence [CA508481]	0.42	0.00030
A_42_P807697	<a href="#">TYROBP</a>	Rattus norvegicus Tyro protein tyrosine kinase binding protein (Tyrobp)_ mRNA [NM_212525]	0.42	0.00073
A_44_P167205	<a href="#">AI229849</a>	AI229849 EST226544 Normalized rat embryo_Bento Soares Rattus sp. cDNA clone REMCN39 3' end_ mRNA sequence [AI229849]	0.42	0.00202
A_44_P393706	<a href="#">RGD1309701</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 9130005N14 (predicted) (LOC316729)_ mRNA [XM_237514]	0.42	0.00451
A_44_P212922	<a href="#">RGD1565029</a>	PREDICTED: Rattus norvegicus similar to 4632409L22Rik protein (LOC308361)_ mRNA [XM_218291]	0.41	0.00003
A_42_P598412	<a href="#">APOBEC1</a>	Rattus norvegicus apolipoprotein B editing complex 1 (Apohec1)_ mRNA [NM_012907]	0.41	0.00059
A_44_P421003	<a href="#">AI030249</a>	AI030249 UI-R-C0-it-d-04-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-it-d-04-0-UI 3' mRNA sequence [AI030249]	0.41	0.00219
A_44_P976687	<a href="#">TC559328</a>	Unknown	0.41	0.00292
A_44_P868418	<a href="#">AI043758</a>	AI043758 UI-R-C0-jm-b-11-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-jm-b-11-0-UI 3' mRNA sequence [AI043758]	0.4	0.00000
A_44_P121839	<a href="#">RGD1566268</a>	Rattus norvegicus similar to 40S ribosomal protein SA (P40) (34/67 kDa laminin receptor) (LOC366596)_ mRNA [XM_345657]	0.4	0.00034
A_44_P300788	<a href="#">KCNA3</a>	Rattus norvegicus potassium voltage-gated channel_ shaker-related subfamily_ member 3 (Kcna3)_ mRNA [NM_019270]	0.4	0.00034
A_42_P584734	<a href="#">GDF10</a>	Rattus norvegicus growth differentiation factor 10 (Gdf10)_ mRNA [NM_024375]	0.4	0.00107
A_44_P915588	<a href="#">TC542077</a>	Q28774 (Q28774) Zinc finger protein 91 (Fragment)_ partial (19%) [TC542077]	0.4	0.00267
A_44_P732045	<a href="#">A_44_P732045</a>	Unknown	0.4	0.00402
A_44_P578505	<a href="#">TC544660</a>	Unknown	0.39	0.00004
A_44_P451071	<a href="#">PRKCD</a>	Rattus norvegicus protein kinase C_delta (Prkcd)_ mRNA [NM_133307]	0.39	0.00021
A_43_P11955	<a href="#">SYN2</a>	Rattus norvegicus synapsin II (Syn2)_ transcript variant 2_ mRNA [NM_019159]	0.39	0.00041
A_44_P590658	<a href="#">ENSRNOT000000</a>	Unknown	0.39	0.00089

A 44 P538488	<a href="#">OLR47</a>	Rattus norvegicus olfactory receptor 47 (predicted) (Olr47_predicted)_ mRNA [NM_001000123]	0.39	0.00103
A 44 P845705	<a href="#">A 44 P845705</a>	Unknown	0.39	0.00159
A 42 P514585	<a href="#">TPT1</a>	Rattus norvegicus tumor protein_ translationally-controlled 1 (Tpt1)_ mRNA [NM_053867]	0.39	0.00182
A 44 P288300	<a href="#">XM 219699</a>	Rattus norvegicus similar to 60S ribosomal protein L36 (LOC309249)_ mRNA [XM_219699]	0.39	0.00333
A 44 P239368	<a href="#">AA858877</a>	AA858877 UI-R-A0-bd-b-06-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-bd-b-06-0-UI 3' similar to gb [AA858877]	0.39	0.00356
A 44 P1036513	<a href="#">RGD1566117</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ23033 (LOC310982)_ mRNA [XM_227828]	0.39	0.00380
A 44 P339741	<a href="#">NM_001025270</a>	Rattus norvegicus melanocortin 3 receptor (Mc3r)_ mRNA [NM_001025270]	0.38	0.00010
A 44 P313315	<a href="#">AI407830</a>	AI407830 EST236120 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVEC37 3' end_ mRNA sequence [AI407830]	0.38	0.00032
A 44 P170382	<a href="#">SLC18A2</a>	Rattus norvegicus solute carrier family 18 (vesicular monoamine)_ member 2 (Slc18a2)_ mRNA [NM_013031]	0.38	0.00054
A 44 P855333	<a href="#">TC530092</a>	Unknown	0.38	0.00070
A 42 P768732	<a href="#">AW918387</a>	AW918387 EST349691 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIER58 5' end_ mRNA sequence [AW918387]	0.38	0.00196
A 44 P1019604	<a href="#">UBE2C</a>	PREDICTED: Rattus norvegicus ubiquitin-conjugating enzyme E2C (predicted) (Ube2c_predicted)_ mRNA [XM_215924]	0.38	0.00438
A 43 P21509	<a href="#">RGD1307626</a>	PREDICTED: Rattus norvegicus similar to Ribonuclease III (RNase III) (p241) (predicted) (RGD1307626_predicted)_ mRNA [XM_226843]	0.37	0.00008
A 44 P454232	<a href="#">SCGN</a>	Rattus norvegicus secretagogin_ EF-hand calcium binding protein (Scgn)_ mRNA [NM_201561]	0.37	0.00032
A 44 P831621	<a href="#">CB327359</a>	UI-R-F50-crs-d-09-0-UI.s1 UI-R-F50 Rattus norvegicus cDNA clone UI-R-F50-crs-d-09-0-UI 3'_ mRNA sequence [CB327359]	0.37	0.00058
A 43 P16369	<a href="#">OLR1413</a>	Rattus norvegicus olfactory receptor 1413 (Olr1413)_ mRNA [NM_214821]	0.37	0.00205
A 44 P757007	<a href="#">XM 573814</a>	PREDICTED: Rattus norvegicus bone morphogenetic protein 1 (procollagen C-proteinase) (Bmp1)_ mRNA [XM_573814]	0.37	0.00248
A 43 P12618	<a href="#">NR1H3</a>	Rattus norvegicus nuclear receptor subfamily 1_ group H_ member 3 (Nr1h3)_ mRNA [NM_031627]	0.37	0.00332
A 44 P853879	<a href="#">TC523565</a>	Unknown	0.37	0.00489
A 44 P654498	<a href="#">TC559522</a>	Unknown	0.36	0.00001
A 42 P773816	<a href="#">CD1D1</a>	Rattus norvegicus CD1d1 antigen (Cd1d1)_ mRNA [NM_017079]	0.36	0.00008
A 44 P409452	<a href="#">LOC266771</a>	Rattus norvegicus putative pheromone receptor VN6 (LOC266771)_ mRNA [NM_153729]	0.36	0.00024
A 44 P542081	<a href="#">BG375265</a>	BG375265 UI-R-CV1-bsy-d-01-0-UI.s1 UI-R-CV1 Rattus norvegicus cDNA clone UI-R-CV1-bsy-d-01-0-UI 3'_ mRNA sequence [BG375265]	0.36	0.00024
A 44 P401955	<a href="#">XM 576251</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 3110006P09 (LOC500855)_ mRNA [XM_576251]	0.36	0.00050
A 42 P728794	<a href="#">RGD1562444</a>	PREDICTED: Rattus norvegicus similar to Sushi-repeat containing protein (LOC317181)_ mRNA [XM_228444]	0.36	0.00067
A 44 P193486	<a href="#">AA997511</a>	AA997511 UI-R-C0-hw-g-02-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hw-g-02-0-UI 3'_ mRNA sequence [AA997511]	0.36	0.00068
A 44 P137805	<a href="#">LOC293553</a>	Rattus norvegicus similar to glyceraldehyde-3-phosphate dehydrogenase (LOC293553)_ mRNA [XM_219385]	0.36	0.00189
A 44 P517944	<a href="#">XM 217706</a>	Rattus norvegicus similar to ferritin light chain - mouse (LOC308039)_ mRNA [XM_217706]	0.36	0.00275
A 44 P192568	<a href="#">GM2A</a>	Rattus norvegicus GM2 ganglioside activator protein (Gm2a)_ mRNA [NM_172335]	0.36	0.00412
A 44 P127156	<a href="#">M55017</a>	RATNUCIA2 Rat nucleolin gene [M55017]	0.35	0.00006
A 44 P1042598	<a href="#">CB325841</a>	UI-R-DZ0-cro-m-17-0-UI.s1 UI-R-DZ0 Rattus norvegicus cDNA clone UI-R-DZ0-cro-m-17-0-UI 3'_ mRNA sequence [CB325841]	0.35	0.00009
A 43 P14062	<a href="#">BTG1</a>	Rattus norvegicus B-cell translocation gene 1_ anti-proliferative (Btg1)_ mRNA [NM_017258]	0.35	0.00019
A 44 P221077	<a href="#">NM_001017479</a>	Rattus norvegicus similar to RIKEN cDNA 1810057C19 (MGC108778)_ mRNA [NM_001017479]	0.35	0.00065
A 44 P518176	<a href="#">RGD1307673</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein MDS025 (predicted) (LOC291034)_ mRNA [XM_214448]	0.35	0.00077
A 44 P491187	<a href="#">BM386513</a>	BM386513 UI-R-CN1-cjg-o-03-0-UI.s1 UI-R-CN1 Rattus norvegicus cDNA clone UI-R-CN1-cjg-o-03-0-UI 3'_ mRNA sequence [BM386513]	0.35	0.00114
A 44 P1014902	<a href="#">AQR</a>	PREDICTED: Rattus norvegicus aquarius (predicted) (Aqr_predicted)_ mRNA [XM_345418]	0.35	0.00175
A 44 P272327	<a href="#">RGD1308796</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 4732474A20 gene (predicted) (LOC299566)_ mRNA [XM_234837]	0.34	0.00016
A 44 P328311	<a href="#">A 44 P328311</a>	Unknown	0.34	0.00017
A 44 P331765	<a href="#">XM 576251</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 3110006P09 (LOC500855)_ mRNA [XM_576251]	0.34	0.00052
A 44 P537143	<a href="#">BG374034</a>	BG374034 UI-R-CV1-bsl-f-10-0-UI.s1 UI-R-CV1 Rattus norvegicus cDNA clone UI-R-CV1-bsl-f-10-0-UI 3'_ mRNA sequence [BG374034]	0.34	0.00059
A 44 P778162	<a href="#">CX569250</a>	RVL178 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [CX569250]	0.34	0.00233
A 44 P440923	<a href="#">RPL18</a>	Rattus norvegicus ribosomal protein L18 (Rpl18)_ mRNA [NM_031102]	0.34	0.00301
A 44 P492879	<a href="#">LOC312299</a>	Rattus norvegicus similar to mEnx-1 (LOC312299)_ mRNA [XM_231705]	0.34	0.00395

A 44_P108398	AA925341	AA925341 UI-R-A1-ee-a-10-0-UI.s1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-ee-a-10-0-UI 3' similar to gi [AA925341]	0.33	0.00001
A 43_P20159	ATRX	PREDICTED: Rattus norvegicus alpha thalassemia/mental retardation syndrome X-linked homolog (human) (Atrx)_ mRNA [XM_217570]	0.33	0.00001
A 44_P465798	BF397977	BF397977 UI-R-BS2-bef-h-06-0-UI.s1 UI-R-BS2 Rattus norvegicus cDNA clone UI-R-BS2-bef-h-06-0-UI 3'_ mRNA sequence [BF397977]	0.33	0.00002
A 44_P853208	NM_001017485	Rattus norvegicus similar to RIKEN cDNA 2810453106 (LOC498145)_ mRNA [NM_001017485]	0.33	0.00007
A 44_P373222	NSG2	Rattus norvegicus similar to p19 (LOC363557)_ mRNA [XM_343871]	0.33	0.00020
A 44_P597380	BF564712	UI-R-BU0-amw-c-10-0-UI.r1 UI-R-BU0 Rattus norvegicus cDNA clone UI-R-BU0-amw-c-10-0-UI 5'_ mRNA sequence [BF564712]	0.33	0.00028
A 44_P247923	STMN4	PREDICTED: Rattus norvegicus stathmin-like 4 (Stmn4)_ mRNA [XM_341341]	0.33	0.00028
A 42_P600796	RGD1563761	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2900091E11 (LOC299707)_ mRNA [XM_216873]	0.33	0.00036
A 44_P953424	A 44_P953424	Unknown	0.33	0.00049
A 44_P563610	TC544530	Unknown	0.33	0.00069
A 44_P153541	AI169257	AI169257 EST215092 Normalized rat kidney_ Bento Soares Rattus sp. cDNA clone RKIBP39 3' end_ mRNA sequence [AI169257]	0.33	0.00141
A 42_P606938	RPL18	Rattus norvegicus ribosomal protein L18 (Rpl18)_ mRNA [NM_031102]	0.33	0.00190
A 44_P153463	BQ204181	BQ204181 UI-R-DN1-cmv-h-07-0-UI.s1 UI-R-DN1 Rattus norvegicus cDNA clone UI-R-DN1-cmv-h-07-0-UI 3'_ mRNA sequence [BQ204181]	0.33	0.00243
A 44_P173320	RGD1561919	PREDICTED: Rattus norvegicus similar to ribosomal protein S18 (LOC307665)_ mRNA [XM_226269]	0.33	0.00362
A 43_P11210	NM_001034150	Rattus norvegicus signal recognition particle receptor ('docking protein') (Srpr)_ mRNA [NM_001034150]	0.33	0.00439
A 44_P873329	TC568157	Unknown	0.33	0.00467
A 43_P22919	SORCS3	PREDICTED: Rattus norvegicus sortilin-related VPS10 domain containing receptor 3 (predicted) (Sorcs3_predicted)_ mRNA [XM_219998]	0.32	0.00000
A 44_P107000	AI409747	AI409747 EST238039 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLDI25 3' end_ mRNA sequence [AI409747]	0.32	0.00000
A 44_P555976	BM388581	BM388581 UI-R-DZ0-ckm-m-22-0-UI.s1 NCI_CGAP_DZ0 Rattus norvegicus cDNA clone IMAGE:7337760 3'_ mRNA sequence [BM388581]	0.32	0.00003
A 44_P542887	NM_001014207	Rattus norvegicus similar to RIKEN cDNA 4930553M18 (RGD1309627)_ mRNA [NM_001014207]	0.32	0.00014
A 44_P471886	BF567963	BF567963 UI-R-BO0-ahw-c-11-0-UI.r1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahw-c-11-0-UI 5'_ mRNA sequence [BF567963]	0.32	0.00018
A 44_P665620	AA858642	AA858642 UI-R-E0-bq-d-10-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-bq-d-10-0-UI 3' similar to dbj [AA858642]	0.32	0.00020
A 44_P579132	DV718664	RVL9279 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV718664]	0.32	0.00020
A 44_P793538	TC528231	Unknown	0.32	0.00022
A 44_P524583	AI232320	AI232320 EST229008 Normalized rat kidney_ Bento Soares Rattus sp. cDNA clone RKICA20 3' end similar to similar to mitochondrial 3-hydroxy-3-methylglutaryl-CoA synthase_ mRNA sequen	0.32	0.00031
A 44_P551285	BF284167	BF284167 EST448758 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEL77 3' sequence_ mRNA sequence [BF284167]	0.32	0.00049
A 44_P332834	RGD1566336	Rattus norvegicus similar to RIKEN cDNA 4933440J22 (LOC308064)_ mRNA [XM_217737]	0.32	0.00111
A 44_P355902	SLC8A2	Rattus norvegicus solute carrier family 8 (sodium/calcium exchanger)_ member 2 (Slc8a2)_ mRNA [NM_078619]	0.32	0.00145
A 44_P827202	TC531906	Unknown	0.32	0.00251
A 44_P995676	BF523077	BF523077 UI-R-C2p-qx-a-03-0-UI.r1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-qx-a-03-0-UI 5'_ mRNA sequence [BF523077]	0.32	0.00277
A 44_P863776	AW143280	EST293576 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIBJ34 5' end_ mRNA sequence [AW143280]	0.32	0.00334
A 44_P234420	HPRT	PREDICTED: Rattus norvegicus similar to PHD finger protein 6 (LOC503479)_ mRNA [XM_579036]	0.32	0.00403
A 44_P334709	RPS14	Rattus norvegicus ribosomal protein S14 (Rps14)_ mRNA [NM_022672]	0.32	0.00430
A 44_P593049	TC526272	Q8R4C3 (Q8R4C3) Csr1_ partial (21%) [TC526272]	0.31	0.00001
A 44_P192058	RGD1308918	PREDICTED: Rattus norvegicus similar to KIAA0157 gene product is novel. (predicted) (LOC293570)_ mRNA [XM_219441]	0.31	0.00001
A 44_P503835	RGD1563190	PREDICTED: Rattus norvegicus similar to hypothetical protein 4933430J11 (LOC364513)_ mRNA [XM_344485]	0.31	0.00007
A 44_P618288	AW916327	AW916327 EST347735 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIDQ04 5' end_ mRNA sequence [AW916327]	0.31	0.00067
A 44_P625026	BC099180	Rattus norvegicus cDNA clone IMAGE:7383120_ containing frame-shift errors [BC099180]	0.31	0.00139
A 44_P470430	FAP	Rattus norvegicus fibroblast activation protein (Fap)_ mRNA [NM_138850]	0.31	0.00332
A 44_P169313	BE105548	BE105548 UI-R-BX0-ash-b-02-0-UI.s1 UI-R-BX0 Rattus norvegicus cDNA clone UI-R-BX0-ash-b-02-0-UI 3'_ mRNA sequence [BE105548]	0.31	0.00467
A 44_P447023	AA850922	AA850922 EST193690 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVAO46 3' end_ mRNA sequence [AA850922]	0.31	0.00499
A 44_P967240	A 44_P967240	Unknown	0.3	0.00003
A 44_P235241	AI029054	AI029054 UI-R-C0-ik-g-04-0-UI.s1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-ik-g-04-0-UI 3'_ mRNA sequence [AI029054]	0.3	0.00043



A_44_P661747	A_44_P661747	Unknown	0.3	0.00046
A_44_P533098	AA943808	AA943808 EST199307 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RBRAP93 3' end_ mRNA sequence [AA943808]	0.3	0.00050
A_44_P406654	CB718784	AMGNNUC:SRVC1-001117-A4-A srvc1 (10901) Rattus norvegicus cDNA clone srvc1-001117-a4 5' mRNA sequence [CB718784]	0.3	0.00066
A_42_P815372	SNRPB2	PREDICTED: Rattus norvegicus U2 small nuclear ribonucleoprotein B (predicted) (Snrpb2_predicted)_ mRNA [XM_342528]	0.3	0.00069
A_44_P411912	CEACAM10	Rattus norvegicus CEA-related cell adhesion molecule 10 (Ceacam10)_ mRNA [NM_173339]	0.3	0.00075
A_43_P12832	NOL3	Rattus norvegicus nucleolar protein 3 (apoptosis repressor with CARD domain) (Nol3)_ mRNA [NM_053516]	0.3	0.00082
A_44_P218059	RGD1562864	PREDICTED: Rattus norvegicus similar to protocadherin X long isoform (LOC317204)_ mRNA [XM_228479]	0.3	0.00091
A_44_P345102	NM_001037767	Rattus norvegicus actin related protein 2/3 complex_ subunit 5-like (Arpc5l)_ mRNA [NM_001037767]	0.3	0.00120
A_44_P484793	BC061751	Rattus norvegicus androgen receptor-related apoptosis-associated protein CBL27_ mRNA (cDNA clone IMAGE:5600134)_ complete cds. [BC061751]	0.3	0.00148
A_44_P332515	OLR1523	Rattus norvegicus olfactory receptor 1523 (Olr1523)_ mRNA [NM_001000713]	0.3	0.00322
A_44_P670516	TC528228	Unknown	0.3	0.00369
A_44_P130880	USP53	PREDICTED: Rattus norvegicus ubiquitin specific protease 53 (predicted) (Usp53_predicted)_ mRNA [XM_215700]	0.3	0.00426
A_42_P515405	LER3	Rattus norvegicus immediate early response 3 (Ler3)_ mRNA [NM_212505]	0.3	0.00467
A_44_P791322	TC541451	Q7TQ12 (Q7TQ12) Aa1114_ partial (10%) [TC541451]	0.29	0.00001
A_44_P193372	AI176320	AI176320 EST219903 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVBQ06 3' end_ mRNA sequence [AI176320]	0.29	0.00004
A_44_P124294	ORC2L	Rattus norvegicus origin recognition complex_ subunit 2-like (S. cerevisiae) (Orc2l)_ mRNA [NM_001012003]	0.29	0.00008
A_42_P592144	FATH	Rattus norvegicus fat tumor suppressor homolog (Drosophila) (Fath)_ mRNA [NM_031819]	0.29	0.00029
A_43_P19712	GPR65	PREDICTED: Rattus norvegicus G-protein coupled receptor 65 (predicted) (Gpr65_predicted)_ mRNA [XM_234367]	0.29	0.00035
A_44_P731625	TC527629	Unknown	0.29	0.00051
A_44_P621304	A_44_P621304	Unknown	0.29	0.00114
A_44_P267106	RGD1564883	PREDICTED: Rattus norvegicus similar to 60S ribosomal protein L12 (LOC312363)_ mRNA [XM_231785]	0.29	0.00165
A_42_P471271	PTPN6	Rattus norvegicus protein tyrosine phosphatase_ non-receptor type 6 (Ptpn6)_ mRNA [NM_053908]	0.29	0.00184
A_44_P320754	OLR37	Rattus norvegicus olfactory receptor 37 (Olr37)_ mRNA [NM_001000504]	0.29	0.00227
A_44_P1011129	CSNK2A2	PREDICTED: Rattus norvegicus casein kinase II_ alpha 2_ polypeptide (predicted) (Csnk2a2_predicted)_ mRNA [XM_226237]	0.29	0.00352
A_44_P487504	RGD1564207	PREDICTED: Rattus norvegicus similar to SET domain-containing protein (LOC310436)_ mRNA [XM_227169]	0.29	0.00426
A_44_P574311	AW921380	AW921380 EST352684 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIHT23 5' end_ mRNA sequence [AW921380]	0.28	0.00001
A_44_P134584	ARHGDI1A	Rattus norvegicus Rho GDP dissociation inhibitor (GDI) alpha (Arhgdia)_ mRNA [NM_001007005]	0.28	0.00016
A_44_P342923	BG377463	BG377463 UI-R-CU0-bvd-a-05-0-UI.s1 UI-R-CU0 Rattus norvegicus cDNA clone UI-R-CU0-bvd-a-05-0-UI 3' mRNA sequence [BG377463]	0.28	0.00054
A_43_P16715	NM_001024903	Rattus norvegicus SERTA domain containing 2 (Sertad2)_ mRNA [NM_001024903]	0.28	0.00066
A_44_P1053706	PEACHY	Rattus norvegicus Saccharomyces cerevisiae Nip7p homolog (pEachy)_ mRNA [NM_138847]	0.28	0.00067
A_43_P11048	AI102821	AI102821 EST212110 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMBT30 3' end_ mRNA sequence [AI102821]	0.28	0.00077
A_44_P163053	BQ210099	BQ210099 UI-R-EP0-cod-d-09-0-UI.s1 UI-R-EP0 Rattus norvegicus cDNA clone UI-R-EP0-cod-d-09-0-UI 3' mRNA sequence [BQ210099]	0.28	0.00106
A_44_P839432	TC561019	Unknown	0.28	0.00115
A_44_P100365	SCN2A1	Rattus norvegicus sodium channel_ voltage-gated_ type 2_ alpha 1 polypeptide (Scn2a1)_ mRNA [NM_012647]	0.28	0.00122
A_44_P700588	TC542097	Unknown	0.28	0.00143
A_44_P944757	HNRPA1	Rattus norvegicus heterogeneous nuclear ribonucleoprotein A1 (Hnrpa1)_ mRNA [NM_017248]	0.28	0.00143
A_44_P180080	MAP1LC3B	Rattus norvegicus microtubule-associated proteins 1A/1B light chain 3 (Map1lc3b)_ mRNA [NM_022867]	0.28	0.00147
A_44_P999845	SH3KBP1	Rattus norvegicus SH3-domain kinase binding protein 1 (Sh3kbp1)_ mRNA [NM_053360]	0.28	0.00149
A_42_P694105	XM_341439	Rattus norvegicus similar to cDNA sequence BC035537 (LOC361154)_ mRNA [XM_341439]	0.28	0.00159
A_44_P315085	AI145706	AI145706 UI-R-BT0-qd-e-05-0-UI.s1 UI-R-BT0 Rattus norvegicus cDNA clone UI-R-BT0-qd-e-05-0-UI 3' mRNA sequence [AI145706]	0.28	0.00181
A_43_P15263	GRM1	Rattus norvegicus glutamate receptor_ metabotropic 1 (Grm1)_ mRNA [NM_017011]	0.28	0.00251
A_44_P1008738	AI137483	AI137483 UI-R-C2p-ol-f-12-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-ol-f-12-0-UI 3' mRNA sequence [AI137483]	0.28	0.00372
A_44_P318861	ENSRNOT0000003	Q86WZ4 (Q86WZ4) WDFY4 protein (Fragment)_ partial (10%) [TC541950]	0.28	0.00406

A_44_P609110	<a href="#">TC530718</a>	Unknown	0.27	0.0004
A_43_P10933	<a href="#">XM_576251</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 3110006P09 (LOC500855)_ mRNA [XM_576251]	0.27	0.00023
A_44_P638239	<a href="#">TC523444</a>	Unknown	0.27	0.00028
A_44_P306238	<a href="#">BF287427</a>	BF287427 EST452018 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIGG07_ mRNA sequence [BF287427]	0.27	0.00048
A_44_P160876	<a href="#">RAP2A</a>	Rattus norvegicus RAS related protein 2a? (Rap2a)_ mRNA [NM_053741]	0.27	0.00060
A_44_P252362	<a href="#">BG666431</a>	BG666431 DRACPF04 Rat DRG Library Rattus norvegicus cDNA clone DRACPF04 5'_ mRNA sequence [BG666431]	0.27	0.00062
A_44_P515197	<a href="#">CXCL2</a>	Rattus norvegicus chemokine (C-X-C motif) ligand 2 (Cxcl2)_ mRNA [NM_053647]	0.27	0.00085
A_44_P168674	<a href="#">LOC296402</a>	PREDICTED: Rattus norvegicus similar to Docking protein 5 (Downstream of tyrosine kinase 5) (Protein dok-5) (LOC296402)_ mRNA [XM_215954]	0.27	0.00124
A_44_P360650	<a href="#">OLR1058</a>	Rattus norvegicus olfactory receptor 1058 (predicted) (Olr1058_predicted)_ mRNA [NM_001000066]	0.27	0.00140
A_44_P182386	<a href="#">AY383674</a>	Rattus norvegicus LRRGT00019 mRNA_ complete cds. [AY383674]	0.27	0.00164
A_43_P14764	<a href="#">NRXN1</a>	Rattus norvegicus neurexin 1 (Nrxn1)_ mRNA [NM_021767]	0.27	0.00193
A_43_P10893	<a href="#">BG668719</a>	BG668719 DRNBWC10 Rat DRG Library Rattus norvegicus cDNA clone DRNBWC10 5'_ mRNA sequence [BG668719]	0.27	0.00217
A_44_P886000	<a href="#">TC527964</a>	Q9D614 (Q9D614) Mus musculus 0 day neonate head cDNA_ RIKEN full-length enriched library_ clone:4833418L03 product:SYNTAXIN 17 homolog_ partial (6%) [TC527964]	0.27	0.00234
A_44_P115953	<a href="#">AA956850</a>	AA956850 UI-R-E1-fo-c-01-0-UI.s1 UI-R-E1 Rattus norvegicus cDNA clone UI-R-E1-fo-c-01-0-UI 3'_ mRNA sequence [AA956850]	0.27	0.00342
A_43_P13117	<a href="#">LCP2</a>	Rattus norvegicus lymphocyte cytosolic protein 2 (Lcp2)_ mRNA [NM_130421]	0.27	0.00441
A_44_P296230	<a href="#">AI175989</a>	AI175989 EST219565 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVBJ10 3' end_ mRNA sequence [AI175989]	0.27	0.00467
A_44_P547133	<a href="#">LEPROT</a>	Rattus norvegicus leptin receptor overlapping transcript (Leprot)_ mRNA [NM_020099]	0.27	0.00500
A_44_P282063	<a href="#">AI176714</a>	AI176714 EST220307 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVBV84 3' end_ mRNA sequence [AI176714]	0.26	0.00003
A_44_P856349	<a href="#">CB607128</a>	AMGNNUC.NRH5-00458-G11-A W Rat hypothalamus (10471) Rattus norvegicus cDNA clone nrhy5-00458-g11 5'_ mRNA sequence [CB607128]	0.26	0.00005
A_43_P19738	<a href="#">RGD1560908</a>	PREDICTED: Rattus norvegicus similar to Clast4 protein (LOC305468)_ mRNA [XM_223589]	0.26	0.00040
A_42_P689013	<a href="#">TXN1</a>	Rattus norvegicus thioredoxin 1 (Txn1)_ mRNA [NM_053800]	0.26	0.00049
A_44_P437654	<a href="#">AI406616</a>	AI406616 EST234903 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RBRDP41 3' end_ mRNA sequence [AI406616]	0.26	0.00056
A_44_P283941	<a href="#">ARHGDI8</a>	Rattus norvegicus Rho_ GDP dissociation inhibitor (GDI) beta (Arhgdib)_ mRNA [NM_001009600]	0.26	0.00060
A_44_P255254	<a href="#">YWHA8</a>	Rattus norvegicus tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein_ beta polypeptide (Ywhab)_ mRNA [NM_019377]	0.26	0.00070
A_44_P1047331	<a href="#">RGD1308877</a>	PREDICTED: Rattus norvegicus similar to CGI-09 protein (predicted) (LOC311441)_ mRNA [XM_230548]	0.26	0.00084
A_44_P497067	<a href="#">SUSD1</a>	PREDICTED: Rattus norvegicus sushi domain containing 1 (predicted) (Susd1_predicted)_ mRNA [XM_232941]	0.26	0.00096
A_44_P173622	<a href="#">NM_001013966</a>	Rattus norvegicus similar to hypothetical protein FLJ20546 (LOC303067)_ mRNA [NM_001013966]	0.26	0.00096
A_44_P517576	<a href="#">SEL1H</a>	Rattus norvegicus Sel1 (suppressor of lin-12) 1 homolog (C. elegans) (Sel1h)_ mRNA [NM_177933]	0.26	0.00295
A_43_P22791	<a href="#">RGD1564527</a>	PREDICTED: Rattus norvegicus similar to patched domain containing 1 (LOC317517)_ mRNA [XM_228985]	0.26	0.00339
A_44_P160733	<a href="#">BE108178</a>	BE108178 UI-R-BS1-ayw-g-07-0-UI.s1 UI-R-BS1 Rattus norvegicus cDNA clone UI-R-BS1-ayw-g-07-0-UI 3'_ mRNA sequence [BE108178]	0.26	0.00404
A_44_P292689	<a href="#">SYT1</a>	Rattus norvegicus partial mRNA for synaptotagmin 1 (syt1 gene)_ splice variant 4. [AJ617619]	0.26	0.00407
A_44_P237642	<a href="#">BF413313</a>	BF413313 UI-R-BT1-bnw-d-07-0-UI.s1 UI-R-BT1 Rattus norvegicus cDNA clone UI-R-BT1-bnw-d-07-0-UI 3'_ mRNA sequence [BF413313]	0.26	0.00499
A_44_P478939	<a href="#">AA859351</a>	AA859351 UI-R-E0-cl-c-02-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-cl-c-02-0-UI 3' similar to gb [AA859351]	0.25	0.00010
A_44_P259979	<a href="#">JAK1</a>	PREDICTED: Rattus norvegicus Janus kinase 1 (Jak1)_ mRNA [XM_342872]	0.25	0.00021
A_44_P296431	<a href="#">AI236053</a>	AI236053 EST232615 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVDA74 3' end_ mRNA sequence [AI236053]	0.25	0.00023
A_44_P398663	<a href="#">A_44_P398663</a>	Unknown	0.25	0.00027
A_44_P425481	<a href="#">CA505835</a>	UI-R-FJ0-cpz-1-21-0-UI.s1 UI-R-FJ0 Rattus norvegicus cDNA clone UI-R-FJ0-cpz-1-21-0-UI 3'_ mRNA sequence [CA505835]	0.25	0.00031
A_44_P271650	<a href="#">RAB31</a>	Rattus norvegicus RAB31_ member RAS oncogene family (Rab31)_ mRNA [NM_145094]	0.25	0.00057
A_44_P254130	<a href="#">AA875032</a>	AA875032 UI-R-E0-cb-h-09-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-cb-h-09-0-UI 3' similar to gi [AA875032]	0.25	0.00071
A_44_P183252	<a href="#">BF556117</a>	BF556117 UI-R-A1-eg-f-06-0-UI.r1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-eg-f-06-0-UI 5'_ mRNA sequence [BF556117]	0.25	0.00111
A_44_P306368	<a href="#">LIP1</a>	Rattus norvegicus lysosomal acid lipase 1 (Lip1)_ mRNA [NM_012732]	0.25	0.00113
A_44_P1014241	<a href="#">RAMP1</a>	Rattus norvegicus receptor (calcitonin) activity modifying protein 1 (Ramp1)_ mRNA [NM_031645]	0.25	0.00120
A_44_P470013	<a href="#">BQ210134</a>	BQ210134 UI-R-EPO-cod-l-07-0-UI.s1 UI-R-EPO Rattus norvegicus cDNA clone UI-R-EPO-cod-l-07-0-UI 3'_ mRNA sequence [BQ210134]	0.25	0.00155

A 44_P380329	<a href="#">XM_577075</a>	PREDICTED: Rattus norvegicus similar to 40S ribosomal protein S20 (LOC501678)_ mRNA [XM_577075]	0.25	0.00164
A 43_P21814	<a href="#">BI395660</a>	B1395660 EST531531 Rat gene index_ normalized rat_ norvegicus Rattus norvegicus cDNA clone RGI9T90 5' end_ mRNA sequence [BI395660]	0.25	0.00204
A 44_P292995	<a href="#">RNF29</a>	Rattus norvegicus ring finger protein 29 (Rnf29)_ mRNA [NM_001012218]	0.25	0.00238
A 44_P518311	<a href="#">RBPSUH</a>	PREDICTED: Rattus norvegicus recombining binding protein suppressor of hairless (Drosophila) (predicted) (Rbpsuh_predicted)_ mRNA [XM_232595]	0.25	0.00289
A 44_P905278	<a href="#">XM_573164</a>	PREDICTED: Rattus norvegicus similar to 2700008B19Rik protein (LOC497972)_ mRNA [XM_573164]	0.25	0.00315
A 44_P404591	<a href="#">HOD</a>	Rattus norvegicus homeobox only domain (Hod)_ mRNA [NM_133621]	0.25	0.00329
A 44_P130898	<a href="#">LY86</a>	PREDICTED: Rattus norvegicus lymphocyte antigen 86 (predicted) (Ly86_predicted)_ mRNA [XM_225636]	0.25	0.00420
A 43_P13367	<a href="#">RNH1</a>	Rattus norvegicus ribonuclease/angiogenin inhibitor 1 (Rnh1)_ mRNA [NM_139105]	0.25	0.00436
A 44_P694661	<a href="#">BF418026</a>	UI-R-CA1-blv-b-06-0-UI.s1 UI-R-CA1 Rattus norvegicus cDNA clone UI-R-CA1-blv-b-06-0-UI 3' mRNA sequence [BF418026]	0.25	0.00477
A 44_P506363	<a href="#">NM_001013203</a>	Rattus norvegicus tripartite motif-containing 44 (Trim44)_ mRNA [NM_001013203]	0.25	0.00491
A 44_P1025790	<a href="#">GSTO1</a>	Rattus norvegicus glutathione S-transferase omega 1 (Gsto1)_ mRNA [NM_001007602]	0.24	0.00004
A 43_P14483	<a href="#">G10</a>	Rattus norvegicus maternal G10 transcript (G10)_ mRNA [NM_053556]	0.24	0.00013
A 44_P1003969	<a href="#">BF289772</a>	BF289772 EST454363 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHK84_ mRNA sequence [BF289772]	0.24	0.00035
A 44_P791184	<a href="#">XM_576381</a>	PREDICTED: Rattus norvegicus similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP-1) (Topoisom	0.24	0.00045
A 44_P431296	<a href="#">GPR18</a>	Rattus norvegicus similar to G protein-coupled receptor 18 (LOC306191)_ mRNA [XM_224542]	0.24	0.00070
A 44_P353102	<a href="#">AA819532</a>	AA819532 UI-R-A0-bf-f-03-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-bf-f-03-0-UI 3' similar to gb [AA819532]	0.24	0.00090
A 44_P868920	<a href="#">DV728362</a>	RVL20991 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' mRNA sequence [DV728362]	0.24	0.00098
A 43_P22715	<a href="#">AY325162</a>	Rattus norvegicus Aa2-111 mRNA_ complete cds. [AY325162]	0.24	0.00126
A 44_P244495	<a href="#">AA819664</a>	AA819664 UI-R-A0-bh-a-06-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-bh-a-06-0-UI 3' similar to dbj [AA819664]	0.24	0.00129
A 44_P413845	<a href="#">BI281756</a>	BI281756 UI-R-CU0s-cbs-c-02-0-UI.s1 UI-R-CU0s Rattus norvegicus cDNA clone UI-R-CU0s-cbs-c-02-0-UI 3' mRNA sequence [BI281756]	0.24	0.00145
A 44_P558961	<a href="#">CA505525</a>	CA505525 UI-R-FS1-cqf-1-15-0-UI.s1 NCI_CGAP_FS1 Rattus norvegicus cDNA clone IMAGE:7362305 3' mRNA sequence [CA505525]	0.24	0.00147
A 44_P182721	<a href="#">RGD1562776</a>	PREDICTED: Rattus norvegicus similar to ribosomal protein L36 (LOC289795)_ mRNA [XM_223623]	0.24	0.00198
A 44_P260655	<a href="#">A 44_P260655</a>	Unknown	0.24	0.00216
A 44_P464221	<a href="#">RGD1566373</a>	PREDICTED: Rattus norvegicus similar to large subunit ribosomal protein L36a (LOC365560)_ mRNA [XM_345098]	0.24	0.00249
A 44_P323599	<a href="#">RGD1561420</a>	PREDICTED: Rattus norvegicus similar to IL-27 p28 subunit (LOC365368)_ mRNA [XM_344962]	0.24	0.00295
A 44_P169956	<a href="#">AI170059</a>	AI170059 EST215975 Normalized rat lung_ Bento Soares Rattus sp. cDNA clone RLUBY32 3' end_ mRNA sequence [AI170059]	0.24	0.00309
A 44_P349002	<a href="#">E2F1</a>	PREDICTED: Rattus norvegicus E2F transcription factor 1 (E2f1)_ mRNA [XM_230765]	0.24	0.00328
A 43_P11759	<a href="#">RPS26</a>	Rattus norvegicus ribosomal protein S26 (Rps26)_ mRNA [NM_013224]	0.24	0.00343
A 44_P325119	<a href="#">AW915278</a>	AW915278 EST346582 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICS50 5' end_ mRNA sequence [AW915278]	0.24	0.00350
A 44_P477459	<a href="#">AI145899</a>	AI145899 UI-R-BT0-qg-f-02-0-UI.s1 UI-R-BT0 Rattus norvegicus cDNA clone UI-R-BT0-qg-f-02-0-UI 3' mRNA sequence [AI145899]	0.23	0.00023
A 44_P375623	<a href="#">XM_343901</a>	Rattus norvegicus similar to RIKEN cDNA 2210407C18 (LOC363605)_ mRNA [XM_343901]	0.23	0.00026
A 44_P905980	<a href="#">AI178326</a>	AI178326 EST221994 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLCP10 3' end_ mRNA sequence [AI178326]	0.23	0.00032
A 44_P503697	<a href="#">LOC365226</a>	PREDICTED: Rattus norvegicus similar to comment for location 3447-3655: BLASTX gi [XM_344878]	0.23	0.00034
A 44_P122386	<a href="#">HSPB3</a>	Rattus norvegicus heat shock 27kD protein family_ member 3 (Hspb3)_ mRNA [NM_031750]	0.23	0.00036
A 44_P217774	<a href="#">RGD1308805</a>	Rattus norvegicus similar to cDNA sequence BC003322 (RGD1308805)_ mRNA [NM_001009698]	0.23	0.00037
A 44_P994095	<a href="#">NM_001034911</a>	Rattus norvegicus similar to D7Wsu128e protein (RGD1306614)_ mRNA [NM_001034911]	0.23	0.00045
A 44_P162782	<a href="#">BE109676</a>	BE109676 UI-R-BJ1-avq-h-04-0-UI.s1 UI-R-BJ1 Rattus norvegicus cDNA clone UI-R-BJ1-avq-h-04-0-UI 3' mRNA sequence [BE109676]	0.23	0.00048
A 44_P488078	<a href="#">CENTG2</a>	PREDICTED: Rattus norvegicus centaurin_ gamma 2 (predicted) (Centg2_predicted)_ mRNA [XM_237381]	0.23	0.00059
A 44_P168564	<a href="#">NM_001039609</a>	Rattus norvegicus similar to dJ1033H22.1 (KIAA0554 protein) (RGD1305386)_ mRNA [NM_001039609]	0.23	0.00061
A 43_P12778	<a href="#">GTF2A2</a>	Rattus norvegicus general transcription factor IIa 2 (Gtf2a2)_ mRNA [NM_053345]	0.23	0.00065
A 44_P433771	<a href="#">DP1</a>	PREDICTED: Rattus norvegicus deleted in polyposis 1 (predicted) (Dp1_predicted)_ mRNA [XM_344661]	0.23	0.00068
A 44_P359426	<a href="#">JWA</a>	Rattus norvegicus vitamin A responsive; cytoskeleton related (Jwa)_ mRNA [NM_022682]	0.23	0.00099
A 43_P19515	<a href="#">NM_001014207</a>	Rattus norvegicus similar to RIKEN cDNA 4930553M18 (RGD1309627)_ mRNA [NM_001014207]	0.23	0.00115

A_44_P286123	<a href="#">NM_001014043</a>	Rattus norvegicus similar to RIKEN cDNA 4933405A16 (RGD1305778)_ mRNA [NM_001014043]	0.23	0.00125
A_44_P161746	<a href="#">RGD1561184</a>	PREDICTED: Rattus norvegicus hypothetical LOC363057 (LOC363057)_ mRNA [XM_347104]	0.23	0.00136
A_43_P17093	<a href="#">BF284985</a>	BF284985 EST449576 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIEY35_ mRNA sequence [BF284985]	0.23	0.00165
A_44_P715676	<a href="#">TC542574</a>	Unknown	0.23	0.00227
A_44_P216143	<a href="#">NM_001024269</a>	Rattus norvegicus LUC7-like ( <i>S. cerevisiae</i> ) (Luc7l)_ mRNA [NM_001024269]	0.23	0.00231
A_44_P261461	<a href="#">AI010277</a>	AI010277 EST204728 Normalized rat lung_ Bento Soares Rattus sp. cDNA clone RLBW34 3' end_ mRNA sequence [AI010277]	0.23	0.00240
A_44_P390086	<a href="#">RAB2</a>	Rattus norvegicus RAB2_ member RAS oncogene family (Rab2)_ mRNA [NM_031718]	0.23	0.00245
A_44_P948495	<a href="#">TC526201</a>	Q69566 (Q69566) U88_ partial (5%) [TC526201]	0.23	0.00280
A_44_P363252	<a href="#">SET</a>	Rattus norvegicus SET translocation (predicted) (Set_predicted)_ mRNA [NM_001012504]	0.23	0.00289
A_44_P1070965	<a href="#">U68491</a>	RNU68491 Rattus norvegicus 5-hydroxytryptamine7 receptor gene_ partial cds [U68491]	0.23	0.00294
A_44_P529114	<a href="#">AA818669</a>	AA818669 UI-R-A0-az-h-07-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-az-h-07-0-UI 3' similar to emb [AA818669]	0.23	0.00297
A_44_P1025411	<a href="#">XM_573710</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ20604 (LOC498451)_ mRNA [XM_573710]	0.23	0.00350
A_42_P796938	<a href="#">HDAC11</a>	PREDICTED: Rattus norvegicus histone deacetylase 11 (predicted) (Hdac11_predicted)_ mRNA [XM_238362]	0.23	0.00357
A_44_P1021381	<a href="#">TALDO1</a>	Rattus norvegicus transaldolase 1 (Taldo1)_ mRNA [NM_031811]	0.23	0.00375
A_43_P19900	<a href="#">ZFVYE1</a>	PREDICTED: Rattus norvegicus zinc finger_ FYVE domain containing 1 (predicted) (Zfyve1_predicted)_ mRNA [XM_216762]	0.23	0.00375
A_44_P175345	<a href="#">POLB</a>	Rattus norvegicus polymerase (DNA directed)_ beta (Polb)_ mRNA [NM_017141]	0.23	0.00380
A_44_P210961	<a href="#">A_44_P210961</a>	Unknown	0.23	0.00390
A_43_P19173	<a href="#">SDCCAG1</a>	PREDICTED: Rattus norvegicus serologically defined colon cancer antigen 1 (predicted) (Sdccag1_predicted)_ mRNA [XM_216724]	0.23	0.00410
A_44_P1045997	<a href="#">WDR22</a>	PREDICTED: Rattus norvegicus WD repeat domain 22 (predicted) (Wdr22_predicted)_ mRNA [XM_234345]	0.23	0.00476
A_42_P490305	<a href="#">AI013671</a>	AI013671 EST208346 Normalized rat spleen_ Bento Soares Rattus sp. cDNA clone RSPBR42 3' end_ mRNA sequence [AI013671]	0.23	0.00479
A_44_P410062	<a href="#">LOC290503</a>	Rattus norvegicus similar to Pyruvate kinase_M2 isozyme (LOC290503)_ mRNA [XM_224553]	0.23	0.00481
A_44_P478176	<a href="#">XM_215685</a>	Rattus norvegicus similar to hypothetical protein MGC14816 (LOC295396)_ mRNA [XM_215685]	0.23	0.00488
A_43_P16632	<a href="#">EIF2S2</a>	Rattus norvegicus eukaryotic translation initiation factor 2_ subunit 2 (beta) (Eif2s2)_ mRNA [NM_199380]	0.22	0.00000
A_44_P117323	<a href="#">ICT1</a>	PREDICTED: Rattus norvegicus immature colon carcinoma transcript 1 (predicted) (Ict1_predicted)_ mRNA [XM_221110]	0.22	0.00002
A_44_P592830	<a href="#">A_44_P592830</a>	Unknown	0.22	0.00010
A_44_P222166	<a href="#">CD86</a>	Rattus norvegicus cd86 antigen (Cd86)_ mRNA [NM_020081]	0.22	0.00040
A_44_P411280	<a href="#">AI012428</a>	AI012428 EST206879 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLAX15 3' end_ mRNA sequence [AI012428]	0.22	0.00054
A_43_P16731	<a href="#">IFNGR2</a>	PREDICTED: Rattus norvegicus interferon gamma receptor 2 (predicted) (Ifngr2_predicted)_ mRNA [XM_340967]	0.22	0.00053
A_44_P652447	<a href="#">ENSRNOT0000000</a>	Unknown	0.22	0.00055
A_44_P509865	<a href="#">BG378637</a>	BG378637 UI-R-CV1-bvr-g-10-0-UI.s1 UI-R-CV1 Rattus norvegicus cDNA clone UI-R-CV1-bvr-g-10-0-UI 3' mRNA sequence [BG378637]	0.22	0.00078
A_44_P667509	<a href="#">ENSRNOT0000003</a>	Unknown	0.22	0.00088
A_44_P494020	<a href="#">OLR641</a>	Rattus norvegicus olfactory receptor 641 (predicted) (Olr641_predicted)_ mRNA [NM_001000643]	0.22	0.00093
A_44_P135958	<a href="#">RPL37A</a>	PREDICTED: Rattus norvegicus ribosomal protein L37a (predicted) (Rpl37a_predicted)_ mRNA [XM_343587]	0.22	0.00095
A_44_P258388	<a href="#">AA819717</a>	AA819717 UI-R-A0-ap-f-05-0-UI.s1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-ap-f-05-0-UI 3' similar to gi [AA819717]	0.22	0.00115
A_44_P159191	<a href="#">PURA</a>	PREDICTED: Rattus norvegicus purine rich element binding protein A (predicted) (Pura_predicted)_ mRNA [XM_226016]	0.22	0.00141
A_43_P17468	<a href="#">SURB7</a>	PREDICTED: Rattus norvegicus SRB7 (suppressor of RNA polymerase B) homolog ( <i>S. cerevisiae</i> ) (predicted) (Surb7_predicted)_ mRNA [XM_232531]	0.22	0.00145
A_44_P528510	<a href="#">AI177507</a>	AI177507 EST221139 Normalized rat placenta_ Bento Soares Rattus sp. cDNA clone RPLCA86 3' end_ mRNA sequence [AI177507]	0.22	0.00166
A_44_P622886	<a href="#">TC538008</a>	JAK2_RAT (Q62689) Tyrosine-protein kinase JAK2 (Janus kinase 2) (JAK-2)_ partial (8%) [TC538008]	0.22	0.00177
A_44_P180262	<a href="#">RGD1562397</a>	PREDICTED: Rattus norvegicus similar to ribosomal protein L30 (LOC364060)_ mRNA [XM_344178]	0.22	0.00184
A_44_P242712	<a href="#">SV2B</a>	Rattus norvegicus synaptic vesicle glycoprotein 2b (Sv2b)_ mRNA [NM_057207]	0.22	0.00200
A_44_P339095	<a href="#">BF412296</a>	BF412296 UI-R-BT1-bnb-h-01-0-UI.s1 UI-R-BT1 Rattus norvegicus cDNA clone UI-R-BT1-bnb-h-01-0-UI 3' mRNA sequence [BF412296]	0.22	0.00215
A_43_P14014	<a href="#">RPL27</a>	Rattus norvegicus ribosomal protein L27 (Rpl27)_ mRNA [NM_022514]	0.22	0.00238
A_44_P423613	<a href="#">EHD4</a>	Rattus norvegicus EH-domain containing 4 (Ehd4)_ mRNA [NM_139324]	0.22	0.00246

A_44_P387188	<a href="#">RBJ</a>	PREDICTED: Rattus norvegicus RBJ protein (Rbj)_ mRNA [XM_233943]	0.22	0.00254
A_44_P334543	<a href="#">BX883048</a>	Rattus norvegicus chromosome 20_ major histocompatibility complex_ assembled from 40 BACs_ strain Brown Norway (BN/ssNHsd)_ RT1n haplotype; segment 7/11 [BX883048]	0.22	0.00257
A_44_P271200	<a href="#">AI235560</a>	AI235560 EST232122 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone ROVCT47 3' end_ mRNA sequence [AI235560]	0.22	0.00270
A_44_P242591	<a href="#">AA900531</a>	AA900531 UI-R-E0-dl-d-11-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dl-d-11-0-UI 3' similar to gi [AA900531]	0.22	0.00274
A_44_P241929	<a href="#">BF549324</a>	BF549324 UI-R-A0-aq-d-11-0-UI.r1 UI-R-A0 Rattus norvegicus cDNA clone UI-R-A0-aq-d-11-0-UI 5' mRNA sequence [BF549324]	0.22	0.00278
A_43_P13091	<a href="#">AS3MT</a>	Rattus norvegicus arsenic (+3 oxidation state) methyltransferase (As3mt)_ mRNA [NM_080890]	0.22	0.00309
A_44_P464027	<a href="#">LOC309949</a>	Rattus norvegicus similar to 60S ribosomal protein L7a (Surfeit locus protein 3) (PLA-X polypeptide) (LOC309949)_ mRNA [XM_226645]	0.22	0.00348
A_44_P302972	<a href="#">AA925693</a>	AA925693 UI-R-A1-ec-a-04-0-UI.s1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-ec-a-04-0-UI 3' similar to gi [AA925693]	0.22	0.00373
A_44_P716208	<a href="#">TC560272</a>	Unknown	0.22	0.00408
A_44_P278843	<a href="#">LOC301861</a>	Rattus norvegicus similar to actin-related protein 2 (LOC301861)_ mRNA [XM_217505]	0.21	0.00009
A_44_P905751	<a href="#">BF564703</a>	UI-R-BU0-amv-g-06-0-UI.r1 UI-R-BU0 Rattus norvegicus cDNA clone UI-R-BU0-amv-g-06-0-UI 5' mRNA sequence [BF564703]	0.21	0.00014
A_44_P839357	<a href="#">TC543781</a>	Unknown	0.21	0.00017
A_44_P454719	<a href="#">RGD1562952</a>	PREDICTED: Rattus norvegicus similar to Erbb2 interacting protein isoform 2 (LOC365661)_ mRNA [XM_345147]	0.21	0.00024
A_42_P818323	<a href="#">NM_053398</a>	Rattus norvegicus glial cell line derived neurotrophic factor family receptor alpha 3 (Gfra3)_ mRNA [NM_053398]	0.21	0.00035
A_44_P220519	<a href="#">LRRN6A</a>	PREDICTED: Rattus norvegicus leucine rich repeat neuronal 6A (predicted) (Lrrn6a_predicted)_ mRNA [XM_236268]	0.21	0.00044
A_44_P340401	<a href="#">RGD1565056</a>	PREDICTED: Rattus norvegicus similar to ribosomal protein S24 (LOC315035)_ mRNA [XM_235376]	0.21	0.00053
A_44_P1051678	<a href="#">RASAL2</a>	PREDICTED: Rattus norvegicus RAS protein activator like 2 (predicted) (Rasal2_predicted)_ mRNA [XM_222780]	0.21	0.00055
A_44_P320799	<a href="#">GUCY1A3</a>	Rattus norvegicus guanylate cyclase 1_soluble_alpha 3 (Gucy1a3)_ mRNA [NM_017090]	0.21	0.00067
A_44_P353827	<a href="#">ARPP19</a>	Rattus norvegicus cAMP-regulated phosphoprotein 19 (Arpp19)_ mRNA [NM_031660]	0.21	0.00104
A_44_P1030594	<a href="#">CEBPG</a>	R.norvegicus c/ebp gamma mRNA. [X64403]	0.21	0.00145
A_44_P453975	<a href="#">AI231344</a>	AI231344 EST228032 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone REMD183 3' end_ mRNA sequence [AI231344]	0.21	0.00150
A_44_P140214	<a href="#">RGD1560069</a>	PREDICTED: Rattus norvegicus similar to ribosomal protein L27 (LOC364450)_ mRNA [XM_344446]	0.21	0.00165
A_44_P420320	<a href="#">BF420433</a>	BF420433 UI-R-BJ2-bpw-d-10-0-UI.s1 UI-R-BJ2 Rattus norvegicus cDNA clone UI-R-BJ2-bpw-d-10-0-UI 3' mRNA sequence [BF420433]	0.21	0.00215
A_42_P790241	<a href="#">MRPL32</a>	PREDICTED: Rattus norvegicus mitochondrial ribosomal protein L32 (predicted) (Mrpl32_predicted)_ mRNA [XM_214491]	0.21	0.00292
A_44_P468854	<a href="#">LOC317416</a>	Rattus norvegicus similar to dJ14O9.1 (Inter-Alpha-Trypsin Inhibitor Heavy Chain LIKE) (LOC317416)_ mRNA [XM_228862]	0.21	0.00295
A_44_P222855	<a href="#">RGD1564649</a>	PREDICTED: Rattus norvegicus similar to 40S ribosomal protein S9 (LOC367102)_ mRNA [XM_345948]	0.21	0.00297
A_44_P312089	<a href="#">NM_001014100</a>	Rattus norvegicus similar to lung inducible neuralized-related C3HC4 RING finger protein (LOC316326)_ mRNA [NM_001014100]	0.21	0.00306
A_44_P379797	<a href="#">XM_222771</a>	Rattus norvegicus similar to ribosomal protein L7_cytosolic [validated] - rat (LOC304886)_ mRNA [XM_222771]	0.21	0.00339
A_44_P792124	<a href="#">TC522828</a>	Q96AL3 (Q96AL3) EPHA4 protein_partial (32%) [TC522828]	0.21	0.00341
A_44_P513602	<a href="#">XM_578982</a>	PREDICTED: Rattus norvegicus similar to Proteasome subunit beta type 6 precursor (Proteasome delta chain) (Macropain delta chain) (Multicatalytic endopeptidase complex delta chain) (Prot	0.21	0.00450
A_44_P669920	<a href="#">TC526550</a>	Unknown	0.21	0.00454
A_44_P300919	<a href="#">LCMT2</a>	Rattus norvegicus leucine carboxyl methyltransferase 2 (Lcmt2)_ mRNA [NM_001011956]	0.2	0.00006
A_44_P1000383	<a href="#">EPRS</a>	Rattus norvegicus similar to Bifunctional aminoacyl-tRNA synthetase (LOC289352)_ mRNA [XM_213969]	0.2	0.00052
A_43_P14482	<a href="#">IMPDH2</a>	Rattus norvegicus inosine 5-monophosphate dehydrogenase 2 (Impdh2)_ mRNA [NM_199099]	0.2	0.00072
A_44_P447701	<a href="#">RGD1563969</a>	PREDICTED: Rattus norvegicus similar to tumor protein_translationally-controlled 1 (LOC363865)_ mRNA [XM_344072]	0.2	0.00111
A_44_P263105	<a href="#">NM_001025715</a>	Rattus norvegicus similar to RIKEN cDNA 0610025L06 (RGD1309967)_ mRNA [NM_001025715]	0.2	0.00116
A_43_P13245	<a href="#">PABPC1</a>	Rattus norvegicus poly(A) binding protein_cytoplasmic 1 (Pabpc1)_ mRNA [NM_134353]	0.2	0.00251
A_44_P414345	<a href="#">OLR559</a>	Rattus norvegicus olfactory receptor 559 (predicted) (Olr559_predicted)_ mRNA [NM_001000668]	0.2	0.00271
A_44_P299550	<a href="#">CLDN4</a>	Rattus norvegicus claudin 4 (Cldn4)_ mRNA [NM_001012022]	0.2	0.00341
A_44_P792446	<a href="#">SCUBE1</a>	PREDICTED: Rattus norvegicus signal peptide_CUB domain_EGF-like 1 (predicted) (Scube1_predicted)_ mRNA [XM_235529]	0.2	0.00360
A_44_P295193	<a href="#">RGD1307509</a>	Rattus norvegicus similar to RIKEN cDNA 1700108L22 (LOC310348)_ mRNA [XM_227072]	0.2	0.00404
A_42_P552143	<a href="#">CFL1</a>	Rattus norvegicus cofilin 1 (Cfl1)_ mRNA [NM_017147]	0.2	0.00405
A_44_P288756	<a href="#">RGD1565117</a>	PREDICTED: Rattus norvegicus similar to 40S ribosomal protein S26 (LOC299848)_ mRNA [XM_235217]	0.2	0.00442

A_43_P14852	AW144408	AW144408 EST294704 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGICR81 5' end_ mRNA sequence [AW144408]	0.2	0.00466
A_44_P149182	CHP	Rattus norvegicus calcium binding protein p22 (Chp)_ mRNA [NM_024139]	-0.2	0.00008
A_44_P804042	AW143970	AW143970 EST294266 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICE17 5' end_ mRNA sequence [AW143970]	-0.2	0.00055
A_44_P853848	TC557865	Unknown	-0.2	0.00063
A_44_P700598	BP483652	BP483652 Rattus norvegicus pancreatic islet Rattus norvegicus cDNA clone RBC07390 5' _ mRNA sequence [BP483652]	-0.2	0.00087
A_44_P726147	BF555497	BF555497 UI-R-A1-do-f-07-0-UI.r1 UI-R-A1 Rattus norvegicus cDNA clone UI-R-A1-do-f-07-0-UI 5' _ mRNA sequence [BF555497]	-0.2	0.00128
A_44_P989250	DV728275	RVL20890 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' _ mRNA sequence [DV728275]	-0.2	0.00129
A_44_P602724	BF522056	UI-R-Y0-aba-a-06-0-UI.r2 UI-R-Y0 Rattus norvegicus cDNA clone UI-R-Y0-aba-a-06-0-UI 5' _ mRNA sequence [BF522056]	-0.2	0.00169
A_44_P406890	BC099158	Rattus norvegicus cDNA clone IMAGE:7381559 [BC099158]	-0.2	0.00255
A_44_P379420	GDI1	Rattus norvegicus guanosine diphosphate dissociation inhibitor 1 (Gdi1)_ mRNA [NM_017088]	-0.2	0.00454
A_44_P941612	AI556229	AI556229 UI-R-C2p-rb-f-08-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rb-f-08-0-UI 3' _ mRNA sequence [AI556229]	-0.21	0.00000
A_44_P591983	TC556497	Unknown	-0.21	0.00001
A_44_P403532	CB544382	CB544382 AMGNNUC:NRHY4-00185-F11-A W Rat hypothalamus (10464) Rattus norvegicus cDNA clone nrhy4-00185-f11 5' _ mRNA sequence [CB544382]	-0.21	0.00025
A_43_P13088	SC4MOL	Rattus norvegicus sterol-C4-methyl oxidase-like (Sc4mol)_ mRNA [NM_080886]	-0.21	0.00029
A_44_P880842	AW144265	AW144265 EST294561 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGICO72 5' end_ mRNA sequence [AW144265]	-0.21	0.00029
A_44_P344070	AW917663	AW917663 EST348967 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEG57 5' end_ mRNA sequence [AW917663]	-0.21	0.00072
A_44_P642722	TC551395	Unknown	-0.21	0.00091
A_44_P854346	TC525714	Unknown	-0.21	0.00093
A_44_P793873	TC563317	Unknown	-0.21	0.00177
A_43_P22785	RGD1305413	Rattus norvegicus similar to FLJ40243 protein (LOC361902)_ mRNA [XM_342199]	-0.21	0.00186
A_44_P517896	HSD17B12	Rattus norvegicus smooth muscle-specific 17 beta-hydroxysteroid dehydrogenase type 3 (Hsd17b12)_ mRNA [NM_032066]	-0.21	0.00202
A_44_P868092	HSPCB	Rattus norvegicus similar to heat shock protein 84 - mouse (LOC301252)_ mRNA [XM_217339]	-0.21	0.00213
A_44_P105229	NM_001013157	Rattus norvegicus nicotinamide nucleotide transhydrogenase (mapped) (Nnt_mapped)_ mRNA [NM_001013157]	-0.21	0.00257
A_44_P220661	A_44_P220661	Unknown	-0.21	0.00285
A_44_P234636	NM_001031639	Rattus norvegicus proteasome (prosome_ macropain) 26S subunit_ non-ATPase_ 2 (Psm2)_ mRNA [NM_001031639]	-0.21	0.00334
A_44_P187005	ABC9	Rattus norvegicus ATP-binding cassette_ sub-family B (MDR/TAP)_ member 9 (Abcb9)_ mRNA [NM_022238]	-0.21	0.00349
A_44_P259119	RGD1306148	PREDICTED: Rattus norvegicus similar to KIAA0368 (predicted) (LOC313196)_ mRNA [XM_232937]	-0.21	0.00366
A_42_P650709	RGD1306954	Rattus norvegicus similar to RIKEN cDNA 1110004E09 (RGD1306954)_ mRNA [NM_001008288]	-0.21	0.00387
A_42_P788810	AW918709	AW918709 EST350013 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEW88 5' end_ mRNA sequence [AW918709]	-0.21	0.00404
A_44_P902933	DV724602	RVL16670 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5' _ mRNA sequence [DV724602]	-0.21	0.00419
A_44_P182739	PDZK8	PREDICTED: Rattus norvegicus PDZ domain containing 8 (predicted) (Pdzk8_predicted)_ mRNA [XM_217651]	-0.21	0.00434
A_44_P233080	EGR1	Rattus norvegicus early growth response 1 (Egr1)_ mRNA [NM_012551]	-0.22	0.00007
A_44_P824666	TC526534	Unknown	-0.22	0.00009
A_44_P219839	TPM3	Rattus norvegicus tropomyosin 3_ gamma (Tpm3)_ transcript variant 1_ mRNA [NM_057208]	-0.22	0.00014
A_44_P204758	SULT4A1	Rattus norvegicus sulfotransferase family 4A_ member 1 (Sult4a1)_ mRNA [NM_031641]	-0.22	0.00017
A_44_P181548	AW915616	AW915616 EST346920 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGICY43 5' end_ mRNA sequence [AW915616]	-0.22	0.00087
A_44_P493911	SLC13A5	Rattus norvegicus solute carrier family 13 (sodium-dependent citrate transporter)_ member 5 (Slc13a5)_ mRNA [NM_170668]	-0.22	0.00095
A_44_P288463	RGD1308397	PREDICTED: Rattus norvegicus similar to DNA segment_ Chr 3_ ERATO Doi 250_ expressed (predicted) (LOC308017)_ mRNA [XM_217691]	-0.22	0.00115
A_44_P1057197	TAF9L	Rattus norvegicus TAF9-like RNA polymerase II_ TATA box binding protein (TBP)-associated factor_ 31kDa (Taf9l)_ mRNA [NM_133615]	-0.22	0.00119
A_44_P230813	RHOT1	PREDICTED: Rattus norvegicus ras homolog gene family_ member T1 (predicted) (Rhot1_predicted)_ mRNA [XM_220753]	-0.22	0.00139
A_44_P807565	TC556734	Q96285 (Q96285) Receptor-like kinase LECRK1 (Serine/threonine-specific kinase lecRK1_ lectin receptor-like) _ partial (4%) [TC556734]	-0.22	0.00168
A_44_P621723	ENSRNOT0000002	Unknown	-0.22	0.00215
A_43_P10901	ITM2C	Rattus norvegicus integral membrane protein 2C (Itm2c)_ mRNA [NM_001009674]	-0.22	0.00290

A_44_P743576	<a href="#">AW917533</a>	AW917533 EST348837 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEF01 5' end_ mRNA sequence [AW917533]	-0.22	0.00316
A_44_P165986	<a href="#">KLK7</a>	PREDICTED: Rattus norvegicus kallikrein 7 (chymotryptic_stratum corneum) (predicted) (Klk7_predicted)_ mRNA [XM_218649]	-0.22	0.00322
A_43_P13834	<a href="#">BQ782575</a>	BQ782575 UI-R-FF0-cpk-j-07-0-UI.s1 NCI_CGAP_FF0 Rattus norvegicus cDNA clone UI-R-FF0-cpk-j-07-0-UI 3' _mRNA sequence [BQ782575]	-0.22	0.00369
A_44_P400377	<a href="#">PHTF1</a>	PREDICTED: Rattus norvegicus putative homeodomain transcription factor 1 (Phtf1)_ mRNA [XM_342306]	-0.22	0.00376
A_44_P222924	<a href="#">RGD1565696</a>	PREDICTED: Rattus norvegicus hypothetical LOC363240 (LOC363240)_ mRNA [XM_347115]	-0.22	0.00416
A_44_P1052467	<a href="#">GOSR2</a>	Rattus norvegicus golgi SNAP receptor complex member 2 (Gosr2)_ mRNA [NM_031685]	-0.23	0.00003
A_42_P647500	<a href="#">KIF3A</a>	Rattus norvegicus kinesin-like protein KIF3A mRNA_ partial cds. [AF155825]	-0.23	0.00008
A_44_P290424	<a href="#">SIAH1A</a>	Rattus norvegicus seven in absentia 1A (Siah1a)_ mRNA [NM_080905]	-0.23	0.00037
A_44_P808443	<a href="#">TC559468</a>	KTHY_MYCGA (Q7NAD7) Thymidylate kinase (dTMP kinase) _ partial (8%) [TC559468]	-0.23	0.00038
A_44_P472674	<a href="#">AW143016</a>	AW143016 EST293311 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RGIBB65 5' end_ mRNA sequence [AW143016]	-0.23	0.00075
A_44_P183784	<a href="#">AKAP12</a>	Rattus norvegicus A kinase (PRKA) anchor protein (gravin) 12 (Akap12)_ transcript variant 1_ mRNA [NM_057103]	-0.23	0.00097
A_44_P712107	<a href="#">BF285946</a>	BF285946 EST450537 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIFL24_ mRNA sequence [BF285946]	-0.23	0.00123
A_44_P905308	<a href="#">TC526720</a>	Unknown	-0.23	0.00124
A_44_P734941	<a href="#">TC533521</a>	Q7VGL1 (Q7VGL1) Methyl-accepting chemotaxis protein_ partial (4%) [TC533521]	-0.23	0.00128
A_44_P776335	<a href="#">DY309796</a>	AGENCOURT_66956942 NIH_MGC_366 Rattus norvegicus cDNA clone IMAGE:8366825 5' _mRNA sequence [DY309796]	-0.23	0.00233
A_44_P311078	<a href="#">RGD1565619</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein FLJ36090 (LOC307302)_ mRNA [XM_225760]	-0.23	0.00239
A_44_P116130	<a href="#">HSPCB</a>	Rattus norvegicus heat shock 90kDa protein 1_ beta (Hspcb)_ mRNA [NM_001004082]	-0.23	0.00269
A_44_P807394	<a href="#">TC555986</a>	Unknown	-0.23	0.00295
A_44_P109907	<a href="#">A_44_P109907</a>	Unknown	-0.23	0.00296
A_44_P386543	<a href="#">RGD1311196</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein (predicted) (RGD1311196_predicted)_ mRNA [XM_227438]	-0.23	0.00298
A_44_P808142	<a href="#">TC525053</a>	Unknown	-0.23	0.00299
A_44_P415230	<a href="#">RGD1566174</a>	PREDICTED: Rattus norvegicus similar to novel protein (LOC303167)_ mRNA [XM_220473]	-0.23	0.00307
A_44_P169472	<a href="#">AB033702</a>	Rattus rattus mitochondrial cytb gene for cytochrome b_ partial cds [AB033702]	-0.23	0.00325
A_44_P515048	<a href="#">AW140632</a>	AW140632 EST290623 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGIAN45 5' end similar to ATP-dependent metalloprotease FtsH1_ mRNA sequence [AW140632]	-0.23	0.00355
A_44_P211069	<a href="#">RGD1306119</a>	PREDICTED: Rattus norvegicus similar to transcriptional regulating protein 132 (predicted) (LOC314306)_ mRNA [XM_234404]	-0.23	0.00359
A_44_P762543	<a href="#">TC525657</a>	Unknown	-0.23	0.00393
A_44_P745579	<a href="#">TC555636</a>	Unknown	-0.23	0.00434
A_44_P951025	<a href="#">A_44_P951025</a>	Unknown	-0.24	0.00011
A_42_P739079	<a href="#">NM_001014274</a>	Rattus norvegicus similar to armadillo repeat protein ALEX2 (LOC367903)_ mRNA [NM_001014274]	-0.24	0.00059
A_44_P142958	<a href="#">BF559508</a>	BF559508 UI-R-E0-cm-g-05-0-UI.r1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-cm-g-05-0-UI 5' _mRNA sequence [BF559508]	-0.24	0.00060
A_44_P606549	<a href="#">NM_001034150</a>	Rattus norvegicus signal recognition particle receptor ('docking protein') (Srpr)_ mRNA [NM_001034150]	-0.24	0.00097
A_44_P665909	<a href="#">AW141926</a>	AW141926 EST292041 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGICP28 5' end similar to EEN-B1_ mRNA sequence [AW141926]	-0.24	0.00104
A_44_P628515	<a href="#">XM_574845</a>	PREDICTED: Rattus norvegicus similar to RGD1309360_predicted protein (LOC499521)_ mRNA [XM_574845]	-0.24	0.00118
A_44_P1038593	<a href="#">ZFP312</a>	PREDICTED: Rattus norvegicus zinc finger protein 312 (predicted) (Zfp312_predicted)_ mRNA [XM_223820]	-0.24	0.00124
A_44_P654444	<a href="#">DQ268830</a>	Rattus norvegicus neuron-derived orphan receptor 1 mRNA_ complete cds [DQ268830]	-0.24	0.00139
A_44_P135450	<a href="#">RGD1306921</a>	PREDICTED: Rattus norvegicus similar to mKIAA1107 protein (predicted) (LOC305122)_ mRNA [XM_223143]	-0.24	0.00154
A_43_P11509	<a href="#">SYP</a>	Rattus norvegicus synaptophysin (Syp)_ mRNA [NM_012664]	-0.24	0.00171
A_44_P671449	<a href="#">TC517114</a>	Q6T424 (Q6T424) Tumor differentiation factor_ partial (16%) [TC517114]	-0.24	0.00251
A_44_P711487	<a href="#">BM986360</a>	BM986360 EST531268 Rat gene index_ normalized rat_ norvegicus Rattus norvegicus cDNA clone RGIAE88 5' end similar to arginase II_ mRNA sequence [BM986360]	-0.24	0.00267
A_44_P882206	<a href="#">AW917544</a>	AW917544 EST348848 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEF14 5' end_ mRNA sequence [AW917544]	-0.24	0.00272
A_44_P396460	<a href="#">SCAP</a>	PREDICTED: Rattus norvegicus SREBP cleavage activating protein (predicted) (Scap_predicted)_ mRNA [XM_217279]	-0.24	0.00288
A_44_P608365	<a href="#">ZFP265</a>	Rattus norvegicus zinc finger protein 265 (Zfp265)_ mRNA [NM_031616]	-0.24	0.00309
A_44_P671265	<a href="#">TC522586</a>	Q8K395 (Q8K395) AW413632 protein_ partial (85%) [TC522586]	-0.24	0.00323

A_44_P849035	<a href="#">BF286219</a>	BF286219 EST450810 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIFN35 5' sequence_ mRNA sequence [BF286219]	-0.24	0.00357
A_44_P282826	<a href="#">BF558098</a>	BF558098 UI-R-C0-hk-f-10-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-hk-f-10-0-UI 5'_ mRNA sequence [BF558098]	-0.24	0.00384
A_44_P625503	<a href="#">NM_001039036</a>	Rattus norvegicus GA repeat binding protein_ beta 1 (Gabpb1)_ mRNA [NM_001039036]	-0.24	0.00480
A_44_P749338	<a href="#">TC562198</a>	Unknown	-0.25	0.00010
A_43_P10134	<a href="#">LOC316395</a>	PREDICTED: Rattus norvegicus similar to ubiquitin-protein ligase NEDL2 (LOC316395)_ mRNA [XM_237139]	-0.25	0.00024
A_43_P18356	<a href="#">ESRRBL1</a>	PREDICTED: Rattus norvegicus estrogen-related receptor beta like 1 (predicted) (Esrrbl1_predicted)_ mRNA [XM_221496]	-0.25	0.00037
A_43_P22484	<a href="#">RGD1564948</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein MGC33630 (LOC304498)_ mRNA [XM_222180]	-0.25	0.00043
A_44_P746247	<a href="#">TC557386</a>	Unknown	-0.25	0.00051
A_44_P182975	<a href="#">RPGR</a>	PREDICTED: Rattus norvegicus similar to X-linked retinitis pigmentosa GTPase regulator (mRpgr) (LOC367733)_ mRNA [XM_346270]	-0.25	0.00060
A_42_P788087	<a href="#">RGD1566287</a>	PREDICTED: Rattus norvegicus similar to DXImx39e protein (LOC367743)_ mRNA [XM_346274]	-0.25	0.00072
A_44_P674488	<a href="#">AW142633</a>	AW142633 EST292885 Normalized rat embryo_ Bento Soares Rattus sp. cDNA clone RGIAR17 5' end_ mRNA sequence [AW142633]	-0.25	0.00078
A_44_P410341	<a href="#">JPP</a>	PREDICTED: Rattus norvegicus IAP promoted placental gene (predicted) (Jpp_predicted)_ mRNA [XM_233415]	-0.25	0.00093
A_44_P1029253	<a href="#">MAS1</a>	Rattus norvegicus MAS1 oncogene (Mas1)_ mRNA [NM_012757]	-0.25	0.00095
A_44_P389670	<a href="#">LOC360568</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 2810013M15 (LOC360568)_ mRNA [XM_340844]	-0.25	0.00107
A_44_P523016	<a href="#">NM_001024314</a>	Rattus norvegicus similar to Protein C20orf22 homolog (LOC499913)_ mRNA [NM_001024314]	-0.25	0.00160
A_44_P259516	<a href="#">STX1B2</a>	Rattus norvegicus syntaxin 1B2 (Stx1b2)_ mRNA [NM_012700]	-0.25	0.00174
A_44_P804257	<a href="#">AW914938</a>	AW914938 EST346242 Normalized rat ovary_ Bento Soares Rattus sp. cDNA clone RGIbM54 5' end_ mRNA sequence [AW914938]	-0.25	0.00201
A_44_P157840	<a href="#">AI101637</a>	AI101637 EST210926 Normalized rat brain_ Bento Soares Rattus sp. cDNA clone RBRBT22 3' end_ mRNA sequence [AI101637]	-0.25	0.00286
A_44_P130516	<a href="#">RT1-DB1</a>	Rattus norvegicus RT1 class II_ locus Db1 (RT1-Db1)_ mRNA [NM_001008884]	-0.25	0.00378
A_44_P198716	<a href="#">PLS3</a>	PREDICTED: Rattus norvegicus plastin 3 (T-isoform) (Pls3)_ mRNA [XM_343776]	-0.25	0.00446
A_44_P339558	<a href="#">MYO5B</a>	Rattus norvegicus myosin 5B (Myo5b)_ mRNA [NM_017083]	-0.25	0.00448
A_44_P270700	<a href="#">BG663460</a>	BG663460 DRAAAJD01 Rat DRG Library Rattus norvegicus cDNA clone DRAAAJD01 5'_ mRNA sequence [BG663460]	-0.25	0.00463
A_42_P503281	<a href="#">CLIC5</a>	Rattus norvegicus chloride intracellular channel 5 (Clic5)_ mRNA [NM_053603]	-0.26	0.00015
A_43_P17779	<a href="#">RGD1564042</a>	PREDICTED: Rattus norvegicus similar to osmosis responsive factor (LOC294774)_ mRNA [XM_215493]	-0.26	0.00018
A_44_P344273	<a href="#">NM_001034129</a>	Rattus norvegicus translocation protein 1 (Tloc1)_ mRNA [NM_001034129]	-0.26	0.00057
A_44_P699666	<a href="#">TC520137</a>	Unknown	-0.26	0.00058
A_43_P23362	<a href="#">TTC8</a>	PREDICTED: Rattus norvegicus tetratricopeptide repeat domain 8 (predicted) (Ttc8_predicted)_ mRNA [XM_234373]	-0.26	0.00061
A_44_P102685	<a href="#">IL13RA2</a>	Rattus norvegicus interleukin 13 receptor_ alpha 2 (Il13ra2)_ mRNA [NM_133538]	-0.26	0.00127
A_44_P180484	<a href="#">A_44_P180484</a>	Unknown	-0.26	0.00356
A_43_P15719	<a href="#">TRA1</a>	Rattus norvegicus tumor rejection antigen gp96 (predicted) (Tra1_predicted)_ mRNA [NM_001012197]	-0.26	0.00432
A_42_P508471	<a href="#">RGN</a>	Rattus norvegicus regucalcin (Rgn)_ mRNA [NM_031546]	-0.27	0.00072
A_44_P393978	<a href="#">NFE2L3</a>	PREDICTED: Rattus norvegicus nuclear factor_ erythroid derived 2_ like 3 (predicted) (Nfe2l3_predicted)_ mRNA [XM_231763]	-0.27	0.00071
A_44_P403139	<a href="#">LNP</a>	PREDICTED: Rattus norvegicus limb and neural patterns (predicted) (Lnp_predicted)_ mRNA [XM_342450]	-0.27	0.00104
A_44_P358649	<a href="#">ENSRNOT0000005</a>	Unknown	-0.27	0.00228
A_44_P587836	<a href="#">BG666098</a>	BG666098 DRACNH05 Rat DRG Library Rattus norvegicus cDNA clone DRACNH05 5'_ mRNA sequence [BG666098]	-0.27	0.00289
A_44_P700056	<a href="#">TC556993</a>	Unknown	-0.27	0.00328
A_44_P976287	<a href="#">TC537709</a>	Q9AIG4 (Q9AIG4) Ribosomal protein L3_ partial (10%) [TC537709]	-0.27	0.00460
A_44_P837538	<a href="#">M23953</a>	RATCARB07 Rat carboxypeptidase B gene_ exons 6_ 7_ and 8 [M23953]	-0.27	0.00467
A_44_P454420	<a href="#">RT1-S3</a>	PREDICTED: Rattus norvegicus RT1 class Ib_ locus S3 (RT1-S3)_ mRNA [XM_215303]	-0.28	0.00003
A_44_P915826	<a href="#">TC542691</a>	Unknown	-0.28	0.00004
A_44_P978398	<a href="#">TC540103</a>	Unknown	-0.28	0.00005
A_43_P16774	<a href="#">MGC95138</a>	Rattus norvegicus similar to acetyl CoA transferase-like (MGC95138)_ mRNA [NM_001006995]	-0.28	0.00015
A_44_P380202	<a href="#">XM_578535</a>	PREDICTED: Rattus norvegicus similar to WD repeat domain 35 (LOC503018)_ mRNA [XM_578535]	-0.28	0.00029



A_44_P55072	<u>MGC94782</u>	Rattus norvegicus similar to hypothetical protein MGC33926 (MGC94782)_ mRNA [NM_001004282]	-0.28	0.00041
A_44_P791404	<u>CX570374</u>	RVL1525 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [CX570374]	-0.28	0.00045
A_44_P1022637	<u>NM_001029897</u>	Rattus norvegicus striatin_calmmodulin binding protein 3 (Strn3)_ mRNA [NM_001029897]	-0.28	0.00124
A_44_P491831	<u>YC2</u>	Rattus norvegicus glutathione S-transferase Yc2 subunit (Yc2)_ mRNA [NM_001009920]	-0.28	0.00126
A_44_P852993	<u>TC554133</u>	Q7CRY3 (Q7CRY3) AGR_L_3170p_partial (5%) [TC554133]	-0.28	0.00132
A_43_P15490	<u>CLSTN2</u>	Rattus norvegicus calsynenin 2 (Clstn2)_ mRNA [NM_134377]	-0.28	0.00154
A_44_P198474	<u>BCAS1</u>	Rattus norvegicus breast carcinoma amplified sequence 1 (Bcas1)_ mRNA [NM_145670]	-0.28	0.00218
A_44_P900125	<u>TC540794</u>	Unknown	-0.28	0.00407
A_44_P624151	<u>TC543922</u>	Unknown	-0.28	0.00467
A_44_P884766	<u>TC523200</u>	Unknown	-0.29	0.00000
A_42_P598531	<u>CDS1</u>	Rattus norvegicus CDP-diacylglycerol synthase 1 (Cds1)_ mRNA [NM_031242]	-0.29	0.00003
A_44_P109174	<u>BG665185</u>	BG665185 DRABZF03 Rat DRG Library Rattus norvegicus cDNA clone DRABZF03 5'_ mRNA sequence [BG665185]	-0.29	0.00048
A_44_P437565	<u>CYTB</u>	AF295545 Rattus norvegicus cytochrome b mRNA_complete cds; mitochondrial gene for mitochondrial product [AF295545]	-0.29	0.00240
A_44_P870183	<u>TC525332</u>	Unknown	-0.29	0.00324
A_43_P14754	<u>AW920712</u>	AW920712 EST352016 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIHB38 5'_ end_ mRNA sequence [AW920712]	-0.29	0.00359
A_44_P402445	<u>NEFH</u>	Rattus norvegicus neurofilament_heavy polypeptide (Nefh)_ mRNA [NM_012607]	-0.29	0.00367
A_44_P234663	<u>AW920627</u>	AW920627 EST351931 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIHA02 5'_ end_ mRNA sequence [AW920627]	-0.3	0.00001
A_44_P734801	<u>TC533255</u>	Unknown	-0.3	0.00017
A_44_P326198	<u>ATP6V0D1</u>	Rattus norvegicus ATPase_H+ transporting_V0 subunit D isoform 1 (Atp6v0d1)_ mRNA [NM_001011927]	-0.3	0.00097
A_42_P813567	<u>SCD2</u>	Rattus norvegicus stearoyl-Coenzyme A desaturase 2 (Scd2)_ mRNA [NM_031841]	-0.3	0.00234
A_44_P412200	<u>NP516857</u>	cytochrome b [Rattus argentiventer] [NP516857]	-0.3	0.00248
A_43_P16463	<u>NM_001014274</u>	Rattus norvegicus similar to armadillo repeat protein ALEX2 (LOC367903)_ mRNA [NM_001014274]	-0.3	0.00370
A_44_P919314	<u>TC549528</u>	Unknown	-0.3	0.00477
A_43_P11890	<u>HMGCS1</u>	Rattus norvegicus 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (Hmgcs1)_ mRNA [NM_017268]	-0.31	0.00001
A_44_P1008163	<u>NM_001039030</u>	Rattus norvegicus growth arrest specific 8 (Gas8)_ mRNA [NM_001039030]	-0.31	0.00008
A_42_P659321	<u>BF551389</u>	BF551389 UI-R-C0-ip-a-08-0-UI.r1 UI-R-C0 Rattus norvegicus cDNA clone UI-R-C0-ip-a-08-0-UI 5'_ mRNA sequence [BF551389]	-0.31	0.00010
A_44_P886652	<u>TC532501</u>	Q6YUI4 (Q6YUI4) Auxin-induced protein-like_partial (6%) [TC532501]	-0.31	0.00022
A_44_P168285	<u>CYP51</u>	Rattus norvegicus cytochrome P450_subfamily 51 (Cyp51)_ mRNA [NM_012941]	-0.31	0.00041
A_44_P533778	<u>LUZP1</u>	Rattus norvegicus leucine zipper protein 1 (Luzp1)_ mRNA [NM_030830]	-0.31	0.00042
A_44_P212033	<u>BI300426</u>	BI300426 UI-R-CV2-cie-g-11-0-UI.s1 UI-R-CV2 Rattus norvegicus cDNA clone UI-R-CV2-cie-g-11-0-UI 3'_ mRNA sequence [BI300426]	-0.31	0.00044
A_44_P1047567	<u>RGD1307395</u>	Rattus norvegicus similar to SR rich protein (LOC297942)_ mRNA [XM_238393]	-0.31	0.00093
A_44_P1041880	<u>BC103480</u>	Rattus norvegicus breast carcinoma amplified sequence 1_ mRNA (cDNA clone IMAGE:7939378)_ partial cds [BC103480]	-0.31	0.00110
A_44_P414565	<u>GABRA5</u>	Rattus norvegicus gamma-aminobutyric acid A receptor_alpha 5 (Gabra5)_ mRNA [NM_017295]	-0.31	0.00154
A_44_P1022868	<u>AB033713</u>	Rattus norvegicus mitochondrial gene for cytochrome b_partial cds [AB033713]	-0.31	0.00159
A_44_P777990	<u>TC543764</u>	Unknown	-0.31	0.00162
A_44_P130044	<u>AW143538</u>	AW143538 EST293743 Normalized rat brain_Bento Soares Rattus sp. cDNA clone RGIBP85 5'_ end_ mRNA sequence [AW143538]	-0.32	0.00000
A_44_P137633	<u>ADORA1</u>	Rattus norvegicus adenosine A1 receptor (Adora1)_ mRNA [NM_017155]	-0.32	0.00003
A_44_P480379	<u>RGD1564165</u>	Rattus norvegicus similar to hypothetical protein (LOC305628)_ mRNA [XM_223734]	-0.32	0.00028
A_44_P336786	<u>AW522740</u>	AW522740 UI-R-BO0-ahl-h-01-0-UI.s1 UI-R-BO0 Rattus norvegicus cDNA clone UI-R-BO0-ahl-h-01-0-UI 3'_ mRNA sequence [AW522740]	-0.32	0.00030
A_43_P13109	<u>CYP26A1</u>	Rattus norvegicus cytochrome P450_family 26_subfamily A_polypeptide 1 (Cyp26a1)_ mRNA [NM_130408]	-0.32	0.00034
A_44_P700667	<u>TC559808</u>	Unknown	-0.32	0.00056
A_44_P148383	<u>AW915853</u>	AW915853 EST347157 Rat gene index_normalized rat_norvegicus_Bento Soares Rattus norvegicus cDNA clone RGIDB53 5'_ end_ mRNA sequence [AW915853]	-0.32	0.00102
A_44_P365879	<u>RGD1308697</u>	Rattus norvegicus similar to hypothetical protein FLJ10579 (LOC311328)_ mRNA [XM_230467]	-0.32	0.00159

A 44_P492624	TRIP3	Rattus norvegicus similar to thyroid hormone receptor interactor 3; thyroid receptor interacting protein 3; zinc finger_HIT domain containing 3 (LOC360586)_ mRNA [XM_340867]	-0.32	0.00183
A 44_P394725	CDH8	Rattus rattus rCdh8-a1 mRNA for cadherin-8_ complete cds [AB010437]	-0.32	0.00288
A 44_P961724	TC526460	Q955H6 (Q955H6) Cytochrome b (Fragment)_ partial (8%) [TC526460]	-0.32	0.00294
A 43_P10223	CB579054	CB579054 AMGNNUC:NRDG1-00129-D9-A nrdg1 (10855) Rattus norvegicus cDNA clone nrdg1-00129-d9 5'_ mRNA sequence [CB579054]	-0.32	0.00374
A 44_P473603	A 44_P473603	Unknown	-0.33	0.00011
A 44_P323053	AI556317	AI556317 UI-R-C2p-rk-h-04-0-UI.s1 UI-R-C2p Rattus norvegicus cDNA clone UI-R-C2p-rk-h-04-0-UI 3'_ mRNA sequence [AI556317]	-0.33	0.00039
A 44_P1011664	CATNAL1	Rattus norvegicus similar to alpha-catenin related protein (LOC298019)_ mRNA [XM_216386]	-0.33	0.00058
A 44_P655502	TC567885	Unknown	-0.33	0.00168
A 44_P330318	CDKL2	Rattus norvegicus cyclin-dependent kinase-like 2 (CDC2-related kinase) (Cdkl2)_ mRNA [NM_001012035]	-0.33	0.00183
A 44_P162099	GLRB	Rattus norvegicus glycine receptor_ beta subunit (Glrb)_ mRNA [NM_053296]	-0.33	0.00377
A 44_P914357	TC553622	Unknown	-0.34	0.00003
A 44_P996369	AW917667	AW917667 EST348971 Rat gene index_ normalized rat_ norvegicus_ Bento Soares Rattus norvegicus cDNA clone RGIEG61 5'_ end_ mRNA sequence [AW917667]	-0.34	0.00009
A 44_P680974	CO387403	AGENCOURT_26625375 NIH_MGC_253 Rattus norvegicus cDNA clone IMAGE:7304252 5'_ mRNA sequence [CO387403]	-0.34	0.00065
A 44_P669601	TC524990	Unknown	-0.34	0.00118
A 44_P1009594	NM_001024232	Rattus norvegicus cytochrome P450_ subfamily 3A_ polypeptide 62 (Cyp3a62)_ mRNA [NM_001024232]	-0.34	0.00233
A 44_P440663	PRDM7	PREDICTED: Rattus norvegicus PR domain containing 7 (predicted) (Prdm7_predicted)_ mRNA [XM_344847]	-0.34	0.00397
A 44_P395915	GLRA2	Rattus norvegicus glycine receptor_ alpha 2 subunit (Glr2)_ mRNA [NM_012568]	-0.34	0.00500
A 42_P567568	DV727788	RVL20343 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV727788]	-0.35	0.00000
A 44_P538604	XM_226227	Rattus norvegicus similar to cadherin-8 (LOC307631)_ mRNA [XM_226227]	-0.35	0.00002
A 44_P365580	SQLE	Rattus norvegicus squalene epoxidase (Sqle)_ mRNA [NM_017136]	-0.35	0.00004
A 43_P10996	ATP1B2	Rattus norvegicus ATPase_ Na+/K+ transporting_ beta 2 polypeptide (Atp1b2)_ mRNA [NM_012507]	-0.35	0.00012
A 44_P854908	CB583330	AMGNNUC:NRHY5-00351-C1-A W Rat hypothalamus (10471) Rattus norvegicus cDNA clone nrhy5-00351-c1 5'_ mRNA sequence [CB583330]	-0.35	0.00123
A 44_P550992	RGD1310117	PREDICTED: Rattus norvegicus hypothetical LOC298591 (predicted) (LOC298591)_ mRNA [XM_216568]	-0.35	0.00173
A 44_P702019	TC549650	Unknown	-0.35	0.00214
A 44_P137187	AB033713	Rattus norvegicus mitochondrial gene for cytochrome b_ partial cds [AB033713]	-0.35	0.00287
A 43_P14618	TC555070	Unknown	-0.35	0.00289
A 44_P640239	TC531760	Q8HL99 (Q8HL99) Cytochrome c oxidase subunit III_ partial (5%) [TC531760]	-0.35	0.00443
A 44_P491393	NUDT7	PREDICTED: Rattus norvegicus nudix (nucleoside diphosphate linked moiety X)-type motif 7 (predicted) (Nudt7_predicted)_ mRNA [XM_341693]	-0.36	0.00023
A 44_P114338	RGD1308593	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 1700073K01 (predicted) (LOC289280)_ mRNA [XM_213950]	-0.36	0.00080
A 44_P325189	DSCR1L1	Rattus norvegicus Down syndrome critical region gene 1-like 1 (Dscr1l1)_ mRNA [NM_175578]	-0.36	0.00108
A 44_P535899	ENSRNOT00000004	BF289485 EST454076 Rat Gene Index_ normalized rat_ Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHH80_ mRNA sequence [BF289485]	-0.36	0.00140
A 44_P796146	TC531316	Unknown	-0.36	0.00385
A 44_P445318	RAPGEF4	PREDICTED: Rattus norvegicus cAMP-regulated guanine nucleotide exchange factor II (Rapgef4)_ mRNA [XM_215985]	-0.37	0.00242
A 44_P560021	ENSRNOT00000000	Q8BH19 (Q8BH19) Mus musculus 16 days neonate cerebellum cDNA_RIKEN full-length enriched library_ clone:9630039A18 product:UDP-Gal:betaGlcNAc beta 1_3-galactosyltransferase_ p	-0.37	0.00257
A 43_P14910	DDC	Rattus norvegicus dopa decarboxylase (Ddc)_ mRNA [NM_012545]	-0.37	0.00275
A 44_P946394	TC525395	Unknown	-0.38	0.00001
A 44_P118724	ARC	Rattus norvegicus activity regulated cytoskeletal-associated protein (Arc)_ mRNA [NM_019361]	-0.38	0.00009
A 44_P610320	RAB2B	Rattus norvegicus RAB2B_ member RAS oncogene family_ mRNA (cDNA clone IMAGE:7316063)_ partial cds [BC092636]	-0.38	0.00095
A 44_P256188	BF564716	BF564716 UI-R-BU0-amw-e-05-0-UI.r1 UI-R-BU0 Rattus norvegicus cDNA clone UI-R-BU0-amw-e-05-0-UI 5'_ mRNA sequence [BF564716]	-0.39	0.00021
A 44_P899288	TC538431	Unknown	-0.39	0.00022
A 44_P906929	DV722904	RVL14577 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_ mRNA sequence [DV722904]	-0.39	0.00048
A 43_P11861	DIO3	Rattus norvegicus deiodinase_ iodothyronine_ type III (Dio3)_ mRNA [NM_017210]	-0.39	0.00255
A 44_P414273	COX8H	Rattus norvegicus Cytochrom c oxidase subunit VIII-H (heart/muscle) (Cox8h)_ mRNA [NM_012786]	-0.39	0.00405

A_44_P222761	<a href="#">RGD1309931</a>	PREDICTED: Rattus norvegicus similar to hypothetical protein (predicted) (LOC362538)_mRNA [XM_342856]	-0.4	0.00000
A_43_P10631	<a href="#">AW142959</a>	AW142959 EST293251 Normalized rat kidney_Bento Soares Rattus sp. cDNA clone RGIBA46 5' end_mRNA sequence [AW142959]	-0.4	0.00000
A_43_P12207	<a href="#">DDAH1</a>	Rattus norvegicus dimethylarginine dimethylaminohydrolase 1 (Ddah1)_mRNA [NM_022297]	-0.4	0.00013
A_44_P341895	<a href="#">GPR103</a>	Rattus norvegicus G protein-coupled receptor 103 (Gpr103)_mRNA [NM_198199]	-0.41	0.00005
A_44_P380835	<a href="#">HOMER1</a>	RNU92079 Rattus norvegicus GLGF-domain protein Homer (homer) mRNA_complete cds [U92079]	-0.41	0.00203
A_42_P674843	<a href="#">SCN4B</a>	Rattus norvegicus sodium channel_voltage-gated_type IV_beta (Scn4b)_mRNA [NM_001008880]	-0.41	0.00443
A_42_P707872	<a href="#">STK39</a>	Rattus norvegicus serine/threonine kinase 39_STE20/SPS1 homolog (yeast) (Stk39)_mRNA [NM_019362]	-0.42	0.00015
A_44_P747071	<a href="#">TC560446</a>	Unknown	-0.43	0.00328
A_44_P365286	<a href="#">ALDH1A1</a>	Rattus norvegicus aldehyde dehydrogenase family 1_member A1 (Aldh1a1)_mRNA [NM_022407]	-0.44	0.00001
A_44_P156197	<a href="#">USH3A</a>	Rattus norvegicus Usher syndrome 3A homolog (human) (Ush3a)_mRNA [NM_153299]	-0.44	0.00038
A_42_P665879	<a href="#">ATF5</a>	Rattus norvegicus activating transcription factor 5 (Atf5)_mRNA [NM_172336]	-0.44	0.00081
A_44_P751708	<a href="#">A_44_P751708</a>	Unknown	-0.45	0.00000
A_44_P773533	<a href="#">CO386419</a>	AGENCOURT_26620935 NIH_MGC_253 Rattus norvegicus cDNA clone IMAGE:7303279 5'_mRNA sequence [CO386419]	-0.45	0.00011
A_44_P950925	<a href="#">A_44_P950925</a>	Unknown	-0.46	0.00127
A_43_P11601	<a href="#">SOD3</a>	Rattus norvegicus superoxide dismutase 3_extracellular (Sod3)_mRNA [NM_012880]	-0.47	0.00002
A_44_P743669	<a href="#">DV716578</a>	RVL6945 Wackym-Soares normalized rat vestibular cDNA library Rattus norvegicus cDNA 5'_mRNA sequence [DV716578]	-0.48	0.00002
A_44_P702082	<a href="#">TC546713</a>	Unknown	-0.49	0.00013
A_44_P233786	<a href="#">VGF</a>	Rattus norvegicus VGF nerve growth factor inducible (Vgf)_mRNA [NM_030997]	-0.5	0.00025
A_44_P217049	<a href="#">BF289650</a>	BF289650 EST454241 Rat Gene Index_normalized rat_Rattus norvegicus cDNA Rattus norvegicus cDNA clone RGIHJ43_mRNA sequence [BF289650]	-0.52	0.00340
A_44_P535284	<a href="#">BHMT</a>	Rattus norvegicus betaine-homocysteine methyltransferase (Bhmt)_mRNA [NM_030850]	-0.59	0.00002
A_44_P345298	<a href="#">CORT</a>	Rattus norvegicus cortistatin (Cort)_mRNA [NM_012835]	-0.6	0.00041
A_42_P693964	<a href="#">CYP26B1</a>	Rattus norvegicus cytochrome P450_family 26_subfamily b_polypeptide 1 (Cyp26b1)_mRNA [NM_181087]	-0.81	0.00000
A_44_P548949	<a href="#">AA900283</a>	AA900283 UI-R-E0-dd-a-05-0-UI.s1 UI-R-E0 Rattus norvegicus cDNA clone UI-R-E0-dd-a-05-0-UI 3' similar to gi [AA900283]	-0.89	0.00127
A_44_P515798	<a href="#">RGD1308977</a>	PREDICTED: Rattus norvegicus similar to RIKEN cDNA 1110017116 (predicted) (LOC291312)_mRNA [XM_214510]	-0.98	0.00004