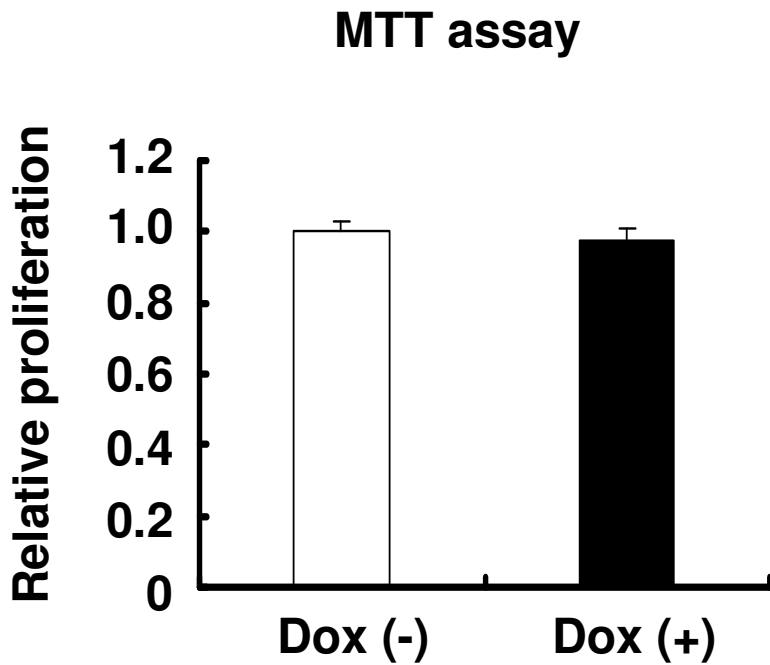
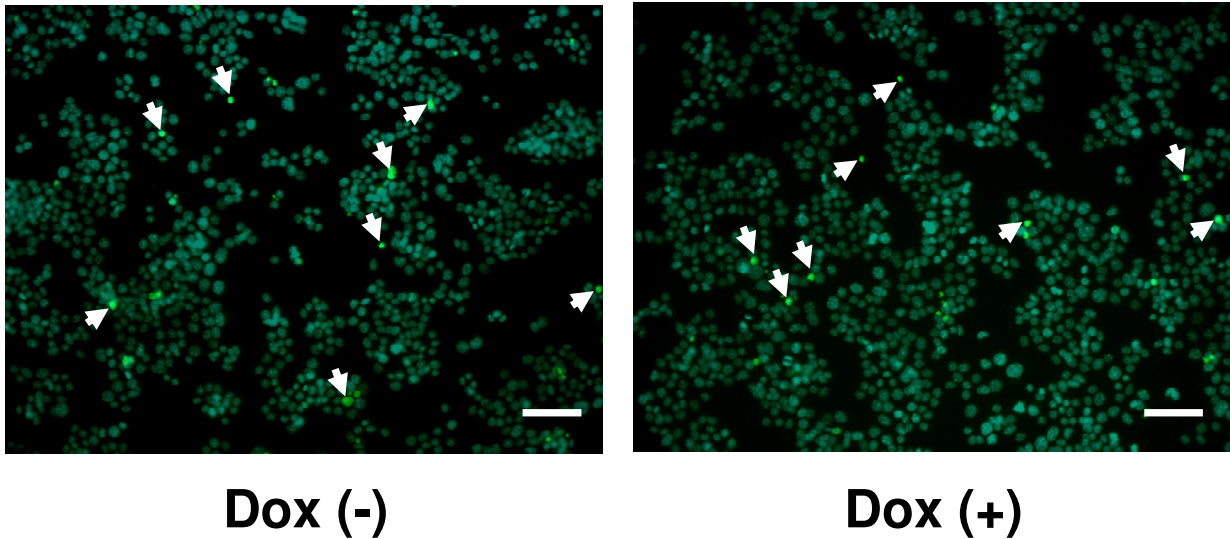


ONLINE APPENDIX

Supplementary Fig. 1. Effect of dnRXR expression on the proliferation of MIN6 cells. The dnRXR-MIN6 cells were cultured with or without Dox for 9 days prior to an MTT assay. The cells were then seeded in 96-well plates with or without Dox. After an incubation of 2 or 4 days, MTT [3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide] (Sigma, St. Louis, MO) reagent was added to the wells. After 4 h, when purple precipitates were visible under the microscope, detergent reagent was added to the wells and the plate was left in the incubator for overnight. A microplate reader (Bio-Rad, Hercules, CA) was used to read the optical density at 595 nm. The increment of optical density from the 2-day culture to the 4-day culture was calculated and the value for the Dox (+) group is shown as relative to that of the Dox(-) group ($n = 11$). Data are presented as the means \pm SEM. There was no significant difference between the Dox (-) and Dox (+) groups.



Supplementary Fig. 2. Effect of dnRXR expression on the apoptosis of MIN6 cells. The dnRXR-MIN6 cells were cultured with or without Dox for 4 days. Apoptosis was detected using an ApopTag Plus Fluorescein In Situ Apoptosis Detection Kit (Chemicon, Temecula, CA), according to the manufacturer's instructions. DAPI was used to stain nuclei (blue). Arrows indicate apoptotic cells (green). The percentage of the apoptotic cells among total cells (> 4500 cells) was determined for randomly selected fields and the experiments were conducted in triplicate. The percentage of the apoptotic cells for the Dox (-) and Dox (+) cells was $1.32 \pm 0.06\%$ and $1.39 \pm 0.09\%$, respectively. Data are expressed as the means \pm SEM. There was no significant difference. Scale bars represent 50 μ m.



Supplementary Table 1. Primers used in the present study.

Gene	GeneBank Accession No.	Primer Bank ID	Forward (5' to 3')	Reverse (5' to 3')	Product size (bp)
<i>Hes5</i>	NM_010419	6754182a1	AGTCCCAAGGAGAAAAACCGA	GCTGTGTTTCAGGTAGCTGAC	183
<i>Nr2f6</i>	NM_010150	6753768a2	CCAGTGGAAAGCATTACGGC	ATCTGACAGTCACGGTTGGAC	112
<i>Nkx6-2</i>	NM_183248	original	AGATCTTCGCGCTGGAGAAG	GCTCTGGGCCTGCCAAATA	57
<i>Actb</i>	NM_007393	6671509a3	AGTGTGACGTTGACATCCGTA	GCCAGAGCAGTAATCTCCTTCT	112
<i>Hk1</i>	NM_010438	original	GACCCGAGGCATCTTCGA	AGCAGCGCTAATCGGTCACT	63
<i>Itpa</i>	NM_025922	31982664a2	GTCTGTGCTTTAACGCACTTG	TGCATAGGCCGATTTGTCTTC	122
<i>Mki67</i>	X82786	1177528a2	GGCGAGCCTCAAGAGATAGC	GCCCTTGGCATAACAAAAAGAT	107

Supplementary Table 2. List of gene expression changes.

Activated genes in Dox-treated dnRXR-MIN6 cells

GeneName	SystematicName	Description	(+)Cy5 vs (-)Cy3 Fold Change	(+)Cy3 Vs (-)Cy5 Fold Change
Vps29	NM_019780	Mus musculus vacuolar protein sorting 29 (S. pombe) (Vps29), mRNA [NM_019780]	3.86E+00	2.90E+00
H2afz	NM_016750	Mus musculus H2A histone family, member Z (H2afz), mRNA [NM_016750]	3.84E+00	3.64E+00
Der1l	NM_024207	Mus musculus Der1-like domain family, member 1 (Der1l), mRNA [NM_024207]	3.61E+00	2.63E+00
ltpa	NM_025922	Mus musculus inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ltpa), mRNA [NM_025922]	3.56E+00	3.47E+00
ltpa	NM_025922	Mus musculus inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ltpa), mRNA [NM_025922]	3.56E+00	3.81E+00
1500034J20Rik	BC008259	Mus musculus RIKEN cDNA 1500034J20 gene, mRNA (cDNA clone MGC:6290 IMAGE:2649406), complete cds. [BC008259]	3.52E+00	3.56E+00
1110017C15Rik	NM_025391	Mus musculus RIKEN cDNA 1110017C15 gene (1110017C15Rik), mRNA [NM_025391]	3.45E+00	3.74E+00
3732413I11Rik	NM_028862	Mus musculus RIKEN cDNA 3732413I11 gene (3732413I11Rik), mRNA [NM_028862]	3.44E+00	2.11E+00
ltpa	NM_025922	Mus musculus inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ltpa), mRNA [NM_025922]	3.35E+00	5.12E+00
MGI:2179725	NM_027136	Mus musculus candidate tumor suppressor OVCA2 (Ovca2), mRNA [NM_027136]	3.27E+00	2.83E+00
Rpa3	NM_026632	Mus musculus replication protein A3 (Rpa3), mRNA [NM_026632]	3.25E+00	3.01E+00
Rpl22	NM_009079	Mus musculus ribosomal protein L22 (Rpl22), mRNA [NM_009079]	3.24E+00	2.98E+00
Mbl2	NM_010776	Mus musculus mannose binding lectin (C) (Mbl2), mRNA [NM_010776]	3.21E+00	3.54E+00
Brp44l	NM_018819	Mus musculus brain protein 44-like (Brp44l), mRNA [NM_018819]	3.09E+00	2.55E+00
Plscr1	NM_011636	Mus musculus phospholipid scramblase 1 (Plscr1), mRNA [NM_011636]	3.07E+00	3.45E+00
MGI:1927947	NM_053102	Mus musculus selenoprotein (Sep15), mRNA [NM_053102]	3.05E+00	2.27E+00
2410004B18Rik	NM_025555	Mus musculus RIKEN cDNA 2410004B18 gene (2410004B18Rik), mRNA [NM_025555]	3.03E+00	2.86E+00
BC006705	NM_145404	Mus musculus cDNA sequence BC006705 (BC006705), mRNA [NM_145404]	3.02E+00	3.20E+00
Brp44l	NM_018819	Mus musculus brain protein 44-like (Brp44l), mRNA [NM_018819]	3.00E+00	2.83E+00
Rcl1	NM_021525	Mus musculus RNA terminal phosphate cyclase-like 1 (Rcl1), mRNA [NM_021525]	2.96E+00	2.21E+00
CZ594907	CZ594907	CMHD-GT_227A3-3 GTL_R1_pGTNMDi Mus musculus cDNA clone CMHD-GT_227A3-3 3', mRNA sequence. [CZ594907]	2.88E+00	2.90E+00
Rps27l	NM_026467	Mus musculus ribosomal protein S27-like (Rps27l), mRNA [NM_026467]	2.86E+00	2.79E+00
BC024806	NM_172291	Mus musculus cDNA sequence BC024806 (BC024806), mRNA [NM_172291]	2.82E+00	3.43E+00
Rpn1	NM_133933	Mus musculus ribophorin I (Rpn1), mRNA [NM_133933]	2.81E+00	3.18E+00
Rnf7	BC011127	Mus musculus ring finger protein 7, mRNA (cDNA clone MGC:19076 IMAGE:4194107), complete cds. [BC011127]	2.80E+00	2.78E+00

Nat5	NM_026425	Mus musculus N-acetyltransferase 5 (ARD1 homolog, <i>S. cerevisiae</i>) (Nat5), mRNA [NM_026425]	2.80E+00	2.42E+00
0610009E20Rik	NM_025318	Mus musculus RIKEN cDNA 0610009E20 gene (0610009E20Rik), mRNA [NM_025318]	2.80E+00	2.38E+00
Mmd2	NM_175217	Mus musculus monocyte to macrophage differentiation-associated 2 (Mmd2), mRNA [NM_175217]	2.76E+00	3.02E+00
Gch1	NM_008102	Mus musculus GTP cyclohydrolase 1 (Gch1), mRNA [NM_008102]	2.73E+00	2.23E+00
Prdx1	NM_011034	Mus musculus peroxiredoxin 1 (Prdx1), mRNA [NM_011034]	2.73E+00	2.25E+00
4933417G07Rik	AK016844	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933417G07 product:similar to SEC13-RELATED PROTEIN [Homo sapiens], full insert sequence [AK016844]	2.72E+00	2.70E+00
Pex7	NM_008822	Mus musculus peroxisome biogenesis factor 7 (Pex7), mRNA [NM_008822]	2.71E+00	2.05E+00
Vps29	NM_019780	Mus musculus vacuolar protein sorting 29 (<i>S. pombe</i>) (Vps29), mRNA [NM_019780]	2.71E+00	2.20E+00
Unc50	NM_026123	Mus musculus unc-50 homolog (<i>C. elegans</i>) (Unc50), mRNA [NM_026123]	2.71E+00	2.27E+00
1110025P21	1110025P21	hypothetical protein [1110025P21]	2.70E+00	2.60E+00
Psm7	NM_011969	Mus musculus proteasome (prosome, macropain) subunit, alpha type 7 (Psm7), mRNA [NM_011969]	2.68E+00	2.11E+00
Plscr1	NM_011636	Mus musculus phospholipid scramblase 1 (Plscr1), mRNA [NM_011636]	2.66E+00	2.58E+00
1110019C08Rik	NM_171826	Mus musculus RIKEN cDNA 1110019C08 gene (1110019C08Rik), mRNA [NM_171826]	2.66E+00	2.32E+00
Pdyn	NM_018863	Mus musculus prodynorphin (Pdyn), mRNA [NM_018863]	2.59E+00	2.11E+00
Rpn1	NM_133933	Mus musculus ribophorin I (Rpn1), mRNA [NM_133933]	2.57E+00	2.60E+00
Timm23	NM_016897	Mus musculus translocase of inner mitochondrial membrane 23 homolog (yeast) (Timm23), mRNA [NM_016897]	2.57E+00	2.12E+00
Lztr1	NM_025808	Mus musculus leucine-zipper-like transcriptional regulator, 1 (Lztr1), mRNA [NM_025808]	2.56E+00	2.00E+00
Gng10	NM_025277	Mus musculus guanine nucleotide binding protein (G protein), gamma 10 (Gng10), mRNA [NM_025277]	2.54E+00	2.19E+00
Surf4	NM_011512	Mus musculus surf4 gene 4 (Surf4), mRNA [NM_011512]	2.53E+00	2.31E+00
St3gal1	NM_009177	Mus musculus ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (St3gal1), mRNA [NM_009177]	2.53E+00	2.94E+00
Tusc3	BC003311	Mus musculus tumor suppressor candidate 3, mRNA (cDNA clone IMAGE:3154952), complete cds. [BC003311]	2.52E+00	2.31E+00
2310004K06Rik	NM_020050	Mus musculus RIKEN cDNA 2310004K06 gene (2310004K06Rik), mRNA [NM_020050]	2.52E+00	2.94E+00
1810037I17Rik	NM_024461	Mus musculus RIKEN cDNA 1810037I17 gene (1810037I17Rik), mRNA [NM_024461]	2.52E+00	2.17E+00
1810060K07	1810060K07	MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM20 HOMOLOG (MITOCHONDRIAL 20 KDA OUTER MEMBRANE PROTEIN) (OUTER MITOCHONDRIAL MEMBRANE RECEPTOR TOM20) homolog [Homo sapiens] [1810060K07]	2.51E+00	2.65E+00
Ndufc2	NM_024220	Mus musculus NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2 (Ndufc2), mRNA [NM_024220]	2.51E+00	2.17E+00
Tubb2	NM_009450	Mus musculus tubulin, beta 2 (Tubb2), mRNA [NM_009450]	2.50E+00	2.36E+00
Cdc2a	NM_007659	Mus musculus cell division cycle 2 homolog A (<i>S. pombe</i>) (Cdc2a), mRNA [NM_007659]	2.50E+00	3.41E+00
Nsg1	NM_010942	Mus musculus neuron specific gene family member 1 (Nsg1), mRNA [NM_010942]	2.49E+00	2.03E+00
Ppib	NM_011149	Mus musculus peptidylprolyl isomerase B (Ppib), mRNA [NM_011149]	2.49E+00	2.70E+00
Rnf7	BC011127	Mus musculus ring finger protein 7, mRNA (cDNA clone MGC:19076 IMAGE:4194107), complete cds. [BC011127]	2.47E+00	2.35E+00

Senp3	NM_030702	Mus musculus SUMO/sentrin specific protease 3 (Senp3), mRNA [NM_030702]	2.46E+00	2.71E+00
2510001110Rik	AK041989	Mus musculus 3 days neonate thymus cDNA, RIKEN full-length enriched library, clone:A630051C02 product:unknown EST, full insert sequence. [AK041989]	2.46E+00	2.12E+00
Ndfip2	NM_029561	Mus musculus Nedd4 family interacting protein 2 (Ndfip2), mRNA [NM_029561]	2.45E+00	2.01E+00
Ei24	NM_007915	Mus musculus etoposide induced 2.4 mRNA (Ei24), mRNA [NM_007915]	2.45E+00	2.24E+00
Bcl10	NM_009740	Mus musculus B-cell leukemia/lymphoma 10 (Bcl10), mRNA [NM_009740]	2.44E+00	2.52E+00
Rps18	NM_011296	Mus musculus ribosomal protein S18 (Rps18), transcript variant 1, mRNA [NM_011296]	2.44E+00	2.13E+00
Lsm8	NM_133939	Mus musculus LSM8 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>) (Lsm8), mRNA [NM_133939]	2.43E+00	2.58E+00
Tparl	NM_011626	Mus musculus TPA regulated locus (Tparl), mRNA [NM_011626]	2.43E+00	2.85E+00
Lztr1	NM_025808	Mus musculus leucine-zipper-like transcriptional regulator, 1 (Lztr1), mRNA [NM_025808]	2.43E+00	2.10E+00
TC1410447	TC1410447	RL35_RAT (P17078) 60S ribosomal protein L35, partial (66%) [TC1410447]	2.42E+00	2.29E+00
Nfs1	NM_010911	Mus musculus nitrogen fixation gene 1 (<i>S. cerevisiae</i>) (Nfs1), mRNA [NM_010911]	2.41E+00	2.10E+00
4930431B09Rik	BC046309	Mus musculus RIKEN cDNA 4930431B09 gene, mRNA (cDNA clone IMAGE:6306854), partial cds [BC046309]	2.40E+00	2.47E+00
9130012B15Rik	NM_030221	Mus musculus RIKEN cDNA 9130012B15 gene (9130012B15Rik), mRNA [NM_030221]	2.39E+00	3.10E+00
Polr3k	NM_025901	Mus musculus polymerase (RNA) III (DNA directed) polypeptide K (Polr3k), mRNA [NM_025901]	2.39E+00	2.34E+00
Leprot	NM_175036	Mus musculus leptin receptor overlapping transcript (Leprot), mRNA [NM_175036]	2.39E+00	2.72E+00
1110038D17Rik	XM_489734	PREDICTED: similar to chromosome 22 open reading frame 13 [Mus musculus], mRNA sequence [XM_489734]	2.39E+00	2.17E+00
Arfgap3	NM_025445	Mus musculus ADP-ribosylation factor GTPase activating protein 3 (Arfgap3), mRNA [NM_025445]	2.38E+00	2.12E+00
Maged1	NM_019791	Mus musculus melanoma antigen, family D, 1 (Maged1), mRNA [NM_019791]	2.36E+00	2.08E+00
Mrpl44	XM_357108	PREDICTED: mitochondrial ribosomal protein L44 [Mus musculus], mRNA sequence [XM_357108]	2.35E+00	2.83E+00
Rnf34	NM_030564	Mus musculus ring finger protein 34 (Rnf34), mRNA [NM_030564]	2.35E+00	2.15E+00
Sdhc	NM_025848	Mus musculus succinate dehydrogenase complex, subunit D, integral membrane protein (Sdhc), mRNA [NM_025848]	2.35E+00	2.48E+00
Srp9	NM_012058	Mus musculus signal recognition particle 9 (Srp9), mRNA [NM_012058]	2.34E+00	2.15E+00
Thrap6	NM_027212	Mus musculus thyroid hormone receptor associated protein 6 (Thrap6), mRNA [NM_027212]	2.33E+00	2.22E+00
0610007H07Rik	NM_026617	Mus musculus RIKEN cDNA 0610007H07 gene (0610007H07Rik), mRNA [NM_026617]	2.32E+00	2.17E+00
Coq2	NM_027978	Mus musculus coenzyme Q2 homolog, prenyltransferase (yeast) (Coq2), mRNA [NM_027978]	2.32E+00	2.23E+00
Dusp19	NM_024438	Mus musculus dual specificity phosphatase 19 (Dusp19), mRNA [NM_024438]	2.31E+00	2.10E+00
BC004004	NM_030561	Mus musculus cDNA sequence BC004004 (BC004004), mRNA [NM_030561]	2.30E+00	2.88E+00
Rer1	NM_026395	Mus musculus RER1 retention in endoplasmic reticulum 1 homolog (<i>S. cerevisiae</i>) (Rer1), mRNA [NM_026395]	2.30E+00	2.71E+00
Ndufa4	NM_010886	Mus musculus NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (Ndufa4), mRNA [NM_010886]	2.30E+00	2.20E+00
Atp5j2	NM_020582	Mus musculus ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 (Atp5j2), mRNA [NM_020582]	2.29E+00	2.05E+00
Chrac1	NM_053068	Mus musculus chromatin accessibility complex 1 (Chrac1), mRNA [NM_053068]	2.29E+00	2.58E+00

Rpl15	NM_025586	Mus musculus ribosomal protein L15 (Rpl15), mRNA [NM_025586]	2.29E+00	2.18E+00
LOC384017	XM_357371	PREDICTED: Mus musculus similar to ribosomal protein S18 (LOC384017), mRNA [XM_357371]	2.27E+00	2.29E+00
Rps25	NM_024266	Mus musculus ribosomal protein S25 (Rps25), mRNA [NM_024266]	2.26E+00	2.24E+00
LOC384179	XM_357471	PREDICTED: Mus musculus similar to ribosomal protein L15 (LOC384179), mRNA [XM_357471]	2.26E+00	2.10E+00
Wdr73	BC087940	Mus musculus RIKEN cDNA 2410008B13 gene, mRNA (cDNA clone MGC:107325 IMAGE:30302907), complete cds. [BC087940]	2.25E+00	2.02E+00
Trappc3	NM_013718	Mus musculus trafficking protein particle complex 3 (Trappc3), mRNA [NM_013718]	2.25E+00	2.26E+00
Chrac1	NM_053068	Mus musculus chromatin accessibility complex 1 (Chrac1), mRNA [NM_053068]	2.24E+00	2.42E+00
Rab37	NM_021411	Mus musculus RAB37, member of RAS oncogene family (Rab37), mRNA [NM_021411]	2.24E+00	2.24E+00
Cyb561d1	BC043107	Mus musculus cytochrome b-561 domain containing 1, mRNA (cDNA clone IMAGE:6406826), with apparent retained intron [BC043107]	2.24E+00	2.21E+00
1700012H17Rik	NM_173426	Mus musculus RIKEN cDNA 1700012H17 gene (1700012H17Rik), mRNA [NM_173426]	2.23E+00	3.05E+00
Mrps5	NM_029963	Mus musculus mitochondrial ribosomal protein S5 (Mrps5), mRNA [NM_029963]	2.22E+00	2.39E+00
Dio1	NM_007860	Mus musculus deiodinase, iodothyronine, type I (Dio1), mRNA [NM_007860]	2.21E+00	2.26E+00
1300010M03Rik	NM_026501	Mus musculus RIKEN cDNA 1300010M03 gene (1300010M03Rik), transcript variant 1, mRNA [NM_026501]	2.21E+00	2.31E+00
2900010J23Rik	NM_175190	Mus musculus RIKEN cDNA 2900010J23 gene (2900010J23Rik), mRNA [NM_175190]	2.20E+00	2.16E+00
Hbxip	BC028547	Mus musculus hepatitis B virus x interacting protein, mRNA (cDNA clone MGC:41446 IMAGE:1513442), complete cds. [BC028547]	2.19E+00	2.48E+00
Gtf2a2	NM_199151	Mus musculus general transcription factor II A, 2 (Gtf2a2), mRNA [NM_199151]	2.18E+00	2.67E+00
Lct	XM_129479	PREDICTED: lactase-phlorizin hydrolase [Mus musculus], mRNA sequence [XM_129479]	2.18E+00	2.30E+00
Trfp	NM_020048	Mus musculus Trf (TATA binding protein-related factor)-proximal protein homolog (Drosophila) (Trfp), mRNA [NM_020048]	2.18E+00	2.25E+00
Gm631	NM_199310	Mus musculus gene model 631, (NCBI) (Gm631), mRNA [NM_199310]	2.18E+00	2.25E+00
Fxyd6	NM_022004	Mus musculus FXYD domain-containing ion transport regulator 6 (Fxyd6), mRNA [NM_022004]	2.18E+00	2.06E+00
Lsm1	AK041290	Mus musculus adult male aorta and vein cDNA, RIKEN full-length enriched library, clone:A530097G23 product:CASM (LSM1 PROTEIN) homolog [Homo sapiens], full insert sequence [AK041290]	2.18E+00	2.40E+00
Coil	NM_016706	Mus musculus coilin (Coil), mRNA [NM_016706]	2.17E+00	2.19E+00
Senp3	NM_030702	Mus musculus SUMO/sentrin specific protease 3 (Senp3), mRNA [NM_030702]	2.17E+00	2.08E+00
4632417N05Rik	NM_028725	Mus musculus RIKEN cDNA 4632417N05 gene (4632417N05Rik), mRNA [NM_028725]	2.17E+00	2.07E+00
Arl10a	AK090305	Mus musculus 8 days neonate male testis cDNA, RIKEN full-length enriched library, clone:G630043P18 product:unknown EST, full insert sequence [AK090305]	2.17E+00	2.41E+00
Tor1a	NM_144884	Mus musculus torsin family 1, member A (torsin A) (Tor1a), mRNA [NM_144884]	2.17E+00	2.34E+00
ENSMUST0000054478	ENSMUST0000054478	Unknown	2.17E+00	2.08E+00
Dpp7	NM_031843	Mus musculus dipeptidylpeptidase 7 (Dpp7), mRNA [NM_031843]	2.16E+00	2.01E+00
Cdca4	NM_028023	Mus musculus cell division cycle associated 4 (Cdca4), mRNA [NM_028023]	2.15E+00	2.77E+00

E030031F02Rik	XM_485558	PREDICTED: Mus musculus RIKEN cDNA E030031F02 gene (E030031F02Rik), mRNA [XM_485558]	2.15E+00	2.01E+00
Acyp1	NM_025421	Mus musculus acylphosphatase 1, erythrocyte (common) type (Acyp1), mRNA [NM_025421]	2.13E+00	2.13E+00
Sec61b	NM_024171	Mus musculus Sec61 beta subunit (Sec61b), mRNA [NM_024171]	2.12E+00	2.36E+00
Gtf2h3	NM_181410	Mus musculus general transcription factor IIH, polypeptide 3 (Gtf2h3), mRNA [NM_181410]	2.12E+00	2.24E+00
Suc1g1	NM_019879	Mus musculus succinate-CoA ligase, GDP-forming, alpha subunit (Suc1g1), mRNA [NM_019879]	2.11E+00	2.08E+00
Sfxn2	NM_053196	Mus musculus sideroflexin 2 (Sfxn2), mRNA [NM_053196]	2.09E+00	3.12E+00
Slc25a11	NM_024211	Mus musculus solute carrier family 25 (mitochondrial carrier oxoglutarate carrier), member 11 (Slc25a11), mRNA [NM_024211]	2.08E+00	2.08E+00
Der11	NM_024207	Mus musculus Der1-like domain family, member 1 (Der11), mRNA [NM_024207]	2.08E+00	2.07E+00
A430005L14Rik	NM_175287	Mus musculus RIKEN cDNA A430005L14 gene (A430005L14Rik), mRNA [NM_175287]	2.07E+00	2.16E+00
8430420C20Rik	NM_145586	Mus musculus RIKEN cDNA 8430420C20 gene (8430420C20Rik), mRNA [NM_145586]	2.07E+00	2.27E+00
Fkbp4	NM_010219	Mus musculus FK506 binding protein 4 (Fkbp4), mRNA [NM_010219]	2.07E+00	2.31E+00
Psm3	NM_011184	Mus musculus proteasome (prosome, macropain) subunit, alpha type 3 (Psm3), mRNA [NM_011184]	2.07E+00	2.02E+00
Fen1	NM_007999	Mus musculus flap structure specific endonuclease 1 (Fen1), mRNA [NM_007999]	2.06E+00	2.28E+00
Adipor2	NM_197985	Mus musculus adiponectin receptor 2 (Adipor2), mRNA [NM_197985]	2.06E+00	2.04E+00
Rbks	NM_153196	Mus musculus ribokinase (Rbks), mRNA [NM_153196]	2.05E+00	2.39E+00
Psm9	NM_026000	Mus musculus proteasome (prosome, macropain) 26S subunit, non-ATPase, 9 (Psm9), mRNA [NM_026000]	2.05E+00	2.15E+00
Tctex1	NM_009342	Mus musculus t-complex testis expressed 1 (Tctex1), mRNA [NM_009342]	2.04E+00	2.09E+00
Bambi	NM_026505	Mus musculus BMP and activin membrane-bound inhibitor, homolog (Xenopus laevis) (Bambi), mRNA [NM_026505]	2.04E+00	2.02E+00
Nme2	NM_008705	Mus musculus expressed in non-metastatic cells 2, protein (Nme2), mRNA [NM_008705]	2.04E+00	2.12E+00
Trappc3	NM_013718	Mus musculus trafficking protein particle complex 3 (Trappc3), mRNA [NM_013718]	2.03E+00	2.45E+00
Nfatc2ip	NM_010900	Mus musculus nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein (Nfatc2ip), mRNA [NM_010900]	2.03E+00	3.22E+00
Upb1	NM_133995	Mus musculus ureidopropionase, beta (Upb1), mRNA [NM_133995]	2.03E+00	2.20E+00
Glrx1	NM_053108	Mus musculus glutaredoxin 1 (thioltransferase) (Glrx1), mRNA [NM_053108]	2.03E+00	2.21E+00
Cyb5	NM_025797	Mus musculus cytochrome b-5 (Cyb5), mRNA [NM_025797]	2.03E+00	2.38E+00
Krt2-8	NM_031170	Mus musculus keratin complex 2, basic, gene 8 (Krt2-8), mRNA [NM_031170]	2.02E+00	2.25E+00
Tm2d1	NM_053157	Mus musculus TM2 domain containing 1 (Tm2d1), mRNA [NM_053157]	2.02E+00	2.05E+00
4930568E02Rik	BC094389	Mus musculus cDNA clone IMAGE:5708321 [BC094389]	2.02E+00	2.34E+00
C76566	NM_178879	Mus musculus expressed sequence C76566 (C76566), mRNA [NM_178879]	2.01E+00	2.41E+00
Rpl13	NM_016738	Mus musculus ribosomal protein L13 (Rpl13), mRNA [NM_016738]	2.00E+00	2.03E+00
Tspan13	NM_025359	Mus musculus tetraspanin 13 (Tspan13), mRNA [NM_025359]	2.00E+00	2.14E+00

Supplementary Table 3. List of gene expression changes

Activated genes in Dox-untreated dnRXR-MIN6 cells

GeneName	SystematicName	Description	(+)Cy5 vs (-)Cy3 Fold Change	(+)Cy3 vs (-)Cy5 Fold Change
E330021D16Rik	NM_175527	Mus musculus RIKEN cDNA E330021D16 gene (E330021D16Rik), mRNA [NM_175527]	6.30E+00	2.14E+00
Crybb3	NM_021352	Mus musculus crystallin, beta B3 (Crybb3), mRNA [NM_021352]	5.30E+00	3.64E+00
AI842788	NM_198616	Mus musculus expressed sequence AI842788 (AI842788), mRNA [NM_198616]	5.03E+00	2.94E+00
BC071254	BC071254	Mus musculus cDNA clone IMAGE:5010343, partial cds. [BC071254]	4.87E+00	2.74E+00
Lalba	NM_010679	Mus musculus lactalbumin, alpha (Lalba), mRNA [NM_010679]	4.78E+00	2.85E+00
Sema6c	NM_011351	Mus musculus sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C (Sema6c), mRNA [NM_011351]	4.63E+00	2.77E+00
Ifitm3	NM_025378	Mus musculus interferon induced transmembrane protein 3 (Ifitm3), mRNA [NM_025378]	4.58E+00	3.74E+00
J00623	J00623	MUSRGEB3 Mus musculus 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene and internal transcribed spacer 1, complete sequence; and 28S ribosomal RNA gene, partial sequence [J00623]	4.49E+00	3.01E+00
Mink1	U49949	Mus musculus putative protein kinase YSK2 mRNA, partial cds. [U49949]	4.46E+00	2.82E+00
2410026K10Rik	AK004342	Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched library, clone:1110061M03 product:hypothetical Glycine-rich region containing protein, full insert sequence. [AK004342]	4.40E+00	2.18E+00
Prm1	NM_013637	Mus musculus protamine 1 (Prm1), mRNA [NM_013637]	4.39E+00	3.21E+00
Hs6st3	NM_015820	Mus musculus heparan sulfate 6-O-sulfotransferase 3 (Hs6st3), mRNA [NM_015820]	4.36E+00	2.42E+00
BE915090	BE915090	601666640F1 NCI_CGAP_Mam1 Mus musculus cDNA clone IMAGE:3966944 5'. [BE915090]	4.34E+00	2.57E+00
Slc4a7	XM_147798	PREDICTED: similar to sodium bicarbonate cotransporter 2b [Mus musculus], mRNA sequence [XM_147798]	4.29E+00	2.84E+00
B930041F14Rik	NM_178699	Mus musculus RIKEN cDNA B930041F14 gene (B930041F14Rik), mRNA [NM_178699]	4.21E+00	2.25E+00
AI842788	NM_198616	Mus musculus expressed sequence AI842788 (AI842788), mRNA [NM_198616]	4.21E+00	3.37E+00
Rmrp	NR_001460	Mus musculus RNA component of mitochondrial RNAase P (Rmrp) on chromosome 4 [NR_001460]	4.19E+00	5.18E+00
S71188	S71188	sodium channel {cardiac/fetal form} [mice, skeletal muscle, mRNA Partial, 148 nt]. [S71188]	4.19E+00	2.73E+00
J00623	J00623	MUSRGEB3 Mus musculus 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene and internal transcribed spacer 1, complete sequence; and 28S ribosomal RNA gene, partial sequence [J00623]	4.19E+00	3.85E+00
4933440N22Rik	AK017138	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933440N22 product:hypothetical protein, full insert sequence. [AK017138]	4.14E+00	2.86E+00
Hist1h4d	NM_175654	Mus musculus histone 1, H4d (Hist1h4d), mRNA [NM_175654]	4.13E+00	4.00E+00
Tparl	AK007181	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700112L04 product:TPA regulated locus, full insert sequence. [AK007181]	4.12E+00	2.47E+00
Zfp84	NM_023750	Mus musculus zinc finger protein 84 (Zfp84), mRNA [NM_023750]	4.12E+00	2.92E+00
LOC434481	XM_486315	PREDICTED: Mus musculus similar to hypothetical protein 1 (rRNA external transcribed spacer) - mouse (LOC434481),	4.10E+00	3.02E+00

		mRNA [XM_486315]		
Stra6	NM_009291	Mus musculus stimulated by retinoic acid gene 6 (Stra6), mRNA [NM_009291]	4.10E+00	3.20E+00
Syt10	NM_018803	Mus musculus synaptotagmin X (Syt10), mRNA [NM_018803]	4.08E+00	4.06E+00
Nrtn	NM_008738	Mus musculus neurturin (Nrtn), mRNA [NM_008738]	4.07E+00	3.24E+00
NP063118	NP063118	GB X66236.1 CAA46966.1 185 kDa glycoposphoprotein [NP063118]	4.05E+00	2.70E+00
4933406C10Rik	AK016682	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933406C10 product:unknown EST, full insert sequence [AK016682]	4.02E+00	3.64E+00
NAP115012-1	NAP115012-1	Unknown	4.02E+00	3.13E+00
2410008J05Rik	NM_153776	Mus musculus RIKEN cDNA 2410008J05 gene (2410008J05Rik), mRNA [NM_153776]	4.02E+00	3.40E+00
Sidt2	AK081177	Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:B930096O19 product:CGI-40 PROTEIN homolog [Homo sapiens], full insert sequence. [AK081177]	3.99E+00	2.35E+00
Ppp1r13l	NM_001010836	Mus musculus protein phosphatase 1, regulatory (inhibitor) subunit 13 like (Ppp1r13l), mRNA [NM_001010836]	3.96E+00	2.63E+00
Xylt1	NM_175645	Mus musculus xylosyltransferase 1 (Xylt1), mRNA [NM_175645]	3.95E+00	2.46E+00
Hist1h4a	NM_178192	Mus musculus histone 1, H4a (Hist1h4a), mRNA [NM_178192]	3.93E+00	3.54E+00
C1qtnf4	NM_026161	Mus musculus C1q and tumor necrosis factor related protein 4 (C1qtnf4), mRNA [NM_026161]	3.91E+00	3.08E+00
Lfn4	NM_153388	Mus musculus leucine rich repeat and fibronectin type III domain containing 4 (Lfn4), mRNA [NM_153388]	3.88E+00	2.74E+00
A430091O22Rik	AK040404	Mus musculus 0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430091O22 product:hypothetical RNA-binding region RNP-1 (RNA recognition motif) containing protein, full insert sequence. [AK040404]	3.88E+00	2.58E+00
AY036118	AY036118	Mus musculus ETS-related transcription factor ERF (Erf1) mRNA, complete cds. [AY036118]	3.87E+00	2.98E+00
Hist1h2ab	NM_175660	Mus musculus histone 1, H2ab (Hist1h2ab), mRNA [NM_175660]	3.84E+00	3.12E+00
Vps13a	AK015803	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930516E05 product:hypothetical Gram-positive cocci surface protein 'anchoring' hexapeptide containing protein, full insert sequence. [AK015803]	3.84E+00	3.33E+00
1700102N10Rik	AK007113	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700102N10 product:hypothetical protein, full insert sequence. [AK007113]	3.83E+00	2.36E+00
E130203B14Rik	NM_178791	Mus musculus RIKEN cDNA E130203B14 gene (E130203B14Rik), mRNA [NM_178791]	3.83E+00	3.05E+00
2010007H12Rik	NM_027242	Mus musculus RIKEN cDNA 2010007H12 gene (2010007H12Rik), mRNA [NM_027242]	3.82E+00	4.05E+00
A230078I05Rik	NM_177056	Mus musculus RIKEN cDNA A230078I05 gene (A230078I05Rik), mRNA [NM_177056]	3.82E+00	2.35E+00
Arf4l	NM_031160	Mus musculus ADP-ribosylation factor 4-like (Arf4l), mRNA [NM_031160]	3.80E+00	2.65E+00
Kcnk9	XM_139425	PREDICTED: Mus musculus potassium channel, subfamily K, member 9 (Kcnk9), mRNA [XM_139425]	3.77E+00	3.44E+00
Hist2h4	NM_033596	Mus musculus histone 2, H4 (Hist2h4), mRNA [NM_033596]	3.75E+00	3.52E+00
Lrrc38	XM_144076	PREDICTED: similar to FLJ45686 protein [Mus musculus], mRNA sequence [XM_144076]	3.75E+00	2.68E+00
1500001A10Rik	NM_026886	Mus musculus RIKEN cDNA 1500001A10 gene (1500001A10Rik), mRNA [NM_026886]	3.75E+00	3.32E+00
MGI:2152297	NM_053256	Mus musculus tuberoinfundibular peptide of 39 residues (TIP39) preprohormone (Tifp39), mRNA [NM_053256]	3.75E+00	2.77E+00
Foxq1	NM_008239	Mus musculus forkhead box Q1 (Foxq1), mRNA [NM_008239]	3.73E+00	3.68E+00
NAP106897-1	NAP106897-1	Unknown	3.72E+00	3.60E+00

Grin2d	NM_008172	Mus musculus glutamate receptor, ionotropic, NMDA2D (epsilon 4) (Grin2d), mRNA [NM_008172]	3.72E+00	3.29E+00
Utf1	NM_009482	Mus musculus undifferentiated embryonic cell transcription factor 1 (Utf1), mRNA [NM_009482]	3.72E+00	2.94E+00
BE573237	BE573237	BE573237 601333133F2 NCI_CGAP_Mam6 Mus musculus cDNA clone IMAGE:3710481 5', mRNA sequence [BE573237]	3.71E+00	2.89E+00
Scand1	NM_020255	Mus musculus SCAN domain-containing 1 (Scand1), mRNA [NM_020255]	3.69E+00	2.57E+00
1700049J03Rik	AK006745	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700049J03 product:hypothetical protein, full insert sequence [AK006745]	3.69E+00	2.95E+00
Olf462	NM_146411	Mus musculus olfactory receptor 462 (Olf462), mRNA [NM_146411]	3.68E+00	2.39E+00
BE955693	BE955693	UI-M-BH4-bbd-f-05-0-UI.s1 NIH_BMAP_M_S5 Mus musculus cDNA clone UI-M-BH4-bbd-f-05-0-UI 3'. [BE955693]	3.67E+00	2.52E+00
Tagln	NM_011526	Mus musculus transgelin (Tagln), mRNA [NM_011526]	3.65E+00	2.66E+00
1700006J14Rik	NM_177313	Mus musculus RIKEN cDNA 1700006J14 gene (1700006J14Rik), mRNA [NM_177313]	3.65E+00	2.15E+00
0610042G04Rik	AK002909	Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610042G04 product:hypothetical protein, full insert sequence. [AK002909]	3.65E+00	2.35E+00
Gpr24	NM_145132	Mus musculus G protein coupled receptor 24 (Gpr24), mRNA [NM_145132]	3.63E+00	2.97E+00
Tlx2	NM_009392	Mus musculus T-cell leukemia, homeobox 2 (Tlx2), mRNA [NM_009392]	3.63E+00	2.31E+00
Foxe3	NM_015758	Mus musculus forkhead box E3 (Foxe3), mRNA [NM_015758]	3.61E+00	2.34E+00
Synpo	AK049810	Mus musculus adult male hippocampus cDNA, RIKEN full-length enriched library, clone:C630001F01 product:hypothetical protein, full insert sequence [AK049810]	3.60E+00	3.11E+00
Cdk5r2	NM_009872	Mus musculus cyclin-dependent kinase 5, regulatory subunit 2 (p39) (Cdk5r2), mRNA [NM_009872]	3.60E+00	3.11E+00
TC1492305	TC1492305	MUSPTPASE protein tyrosine phosphatase {Mus musculus;} , partial (5%) [TC1492305]	3.58E+00	3.07E+00
Pscd4	NM_028195	Mus musculus pleckstrin homology, Sec7 and coiled/coil domains 4 (Pscd4), mRNA [NM_028195]	3.56E+00	2.54E+00
1600014C23Rik	AK005450	Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600014C23 product:hypothetical protein, full insert sequence. [AK005450]	3.55E+00	3.94E+00
Hist1h4d	NM_175654	Mus musculus histone 1, H4d (Hist1h4d), mRNA [NM_175654]	3.50E+00	3.63E+00
Tssk6	NM_032004	Mus musculus testis-specific serine kinase 6 (Tssk6), mRNA [NM_032004]	3.49E+00	2.80E+00
2410026K10Rik	NM_025584	Mus musculus RIKEN cDNA 2410026K10 gene (2410026K10Rik), mRNA [NM_025584]	3.49E+00	2.41E+00
Ptges2	NM_133783	Mus musculus prostaglandin E synthase 2 (Ptges2), mRNA [NM_133783]	3.48E+00	2.83E+00
Bcr	XM_125706	PREDICTED: breakpoint cluster region homolog [Mus musculus], mRNA sequence [XM_125706]	3.47E+00	2.42E+00
BI151098	BI151098	BI151098 602917037F1 NCI_CGAP_Lu29 Mus musculus cDNA clone IMAGE:5067368 5', mRNA sequence [BI151098]	3.47E+00	2.35E+00
Sts	NM_009293	Mus musculus steroid sulfatase (Sts), mRNA [NM_009293]	3.46E+00	3.58E+00
NAP040991-1	NAP040991-1	Unknown	3.46E+00	5.40E+00
Metrn	NM_133719	Mus musculus meteorin, glial cell differentiation regulator (Metrn), mRNA [NM_133719]	3.46E+00	2.15E+00
Nr5a1	NM_139051	Mus musculus nuclear receptor subfamily 5, group A, member 1 (Nr5a1), mRNA [NM_139051]	3.45E+00	2.90E+00
AK042984	AK042984	Mus musculus 7 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:A730045E23 product:weakly similar to CDNA FLJ13142 FIS, CLONE NT2RP3003212, MODERATELY SIMILAR TO RATTUS NORVEGICUS LAMINA ASSOCIATED POLYPEPTIDE 1C (LAP1C) MRNA...	3.44E+00	2.75E+00

Hist1h2af	NM_175661	Mus musculus histone 1, H2af (Hist1h2af), mRNA [NM_175661]	3.43E+00	3.16E+00
Gpaa1	NM_010331	Mus musculus GPI anchor attachment protein 1 (Gpaa1), mRNA [NM_010331]	3.42E+00	2.03E+00
Hist1h4f	NM_175655	Mus musculus histone 1, H4f (Hist1h4f), mRNA [NM_175655]	3.41E+00	3.55E+00
Gtrgeo22	NM_148934	Mus musculus gene trap ROSA b-geo 22 (Gtrgeo22), mRNA [NM_148934]	3.39E+00	2.21E+00
TC1473012	TC1473012	Q6P749 (Q6P749) Pex11a protein, partial (10%) [TC1473012]	3.38E+00	2.46E+00
Slc16a3	NM_030696	Mus musculus solute carrier family 16 (monocarboxylic acid transporters), member 3 (Slc16a3), mRNA [NM_030696]	3.38E+00	3.10E+00
Ubt1	NM_145500	Mus musculus ubiquitin domain containing 1 (Ubt1), mRNA [NM_145500]	3.37E+00	2.19E+00
2410116I05Rik	AK046888	Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:B930001C21 product:retinoblastoma binding protein 2, full insert sequence [AK046888]	3.36E+00	2.51E+00
Rnf185	AK086952	Mus musculus 0 day neonate lung cDNA, RIKEN full-length enriched library, clone:E030015I05 product:hypothetical protein, full insert sequence. [AK086952]	3.36E+00	3.67E+00
8430428J23Rik	AK018447	Mus musculus 16 days embryo lung cDNA, RIKEN full-length enriched library, clone:8430428J23 product:hypothetical protein, full insert sequence [AK018447]	3.35E+00	2.37E+00
Hist4h4	NM_175652	Mus musculus histone 4, H4 (Hist4h4), mRNA [NM_175652]	3.34E+00	4.15E+00
ENSMUST0000042105	ENSMUST00000042105	Unknown	3.34E+00	3.43E+00
Hist1h2ai	NM_178182	Mus musculus histone 1, H2ai (Hist1h2ai), mRNA [NM_178182]	3.33E+00	3.05E+00
5430432M24Rik	NM_028666	Mus musculus RIKEN cDNA 5430432M24 gene (5430432M24Rik), transcript variant 1, mRNA [NM_028666]	3.33E+00	2.47E+00
Hes5	NM_010419	Mus musculus hairy and enhancer of split 5 (Drosophila) (Hes5), mRNA [NM_010419]	3.33E+00	3.40E+00
Maf	S74567	c-maf=c-Maf protein {proto-oncogene} [mice, BALB/c, cerebellum, mRNA, 2736 nt]. [S74567]	3.33E+00	2.49E+00
Rpl21	AK008457	Mus musculus adult male small intestine cDNA, RIKEN full-length enriched library, clone:2010205O04 product:ribosomal protein L21, full insert sequence. [AK008457]	3.33E+00	2.68E+00
Hist1h2ak	NM_178183	Mus musculus histone 1, H2ak (Hist1h2ak), mRNA [NM_178183]	3.32E+00	3.16E+00
2310040A07Rik	BC021944	Mus musculus RIKEN cDNA 2310040A07 gene, mRNA (cDNA clone MGC:37775 IMAGE:5097248), complete cds. [BC021944]	3.30E+00	3.16E+00
Tm6sf2	NM_181540	Mus musculus transmembrane 6 superfamily member 2 (Tm6sf2), mRNA [NM_181540]	3.29E+00	2.38E+00
BC037527	AK017625	Mus musculus 8 days embryo whole body cDNA, RIKEN full-length enriched library, clone:5730437E04 product:unknown EST, full insert sequence [AK017625]	3.29E+00	2.30E+00
Khsrp	NM_010613	Mus musculus KH-type splicing regulatory protein (Khsrp), mRNA [NM_010613]	3.28E+00	2.43E+00
3000004N20Rik	NM_028226	Mus musculus RIKEN cDNA 3000004N20 gene (3000004N20Rik), mRNA [NM_028226]	3.27E+00	3.13E+00
4921511I16Rik	AK035426	Mus musculus adult male urinary bladder cDNA, RIKEN full-length enriched library, clone:9530039I19 product:similar to PUTATIVE SERINE-RICH PROTEIN (FRAGMENT) [Homo sapiens], full insert sequence. [AK035426]	3.27E+00	3.32E+00
Lpo	NM_080420	Mus musculus lactoperoxidase (Lpo), mRNA [NM_080420]	3.26E+00	2.10E+00
A230106M15Rik	AK039192	Mus musculus adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230106M15 product:hypothetical Pleckstrin homology (PH) domain containing protein, full insert sequence. [AK039192]	3.25E+00	3.04E+00
Syn1	NM_013680	Mus musculus synapsin I (Syn1), mRNA [NM_013680]	3.24E+00	3.40E+00
Chrne	NM_009603	Mus musculus cholinergic receptor, nicotinic, epsilon polypeptide (Chrne), mRNA [NM_009603]	3.22E+00	2.32E+00

2810406K13Rik	AK013012	Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810406K13 product:hypothetical BTB/POZ domain/Kelch repeat containing protein, full insert sequence. [AK013012]	3.21E+00	2.45E+00
1700023F06Rik	AK006273	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700023F06 product:hypothetical protein, full insert sequence. [AK006273]	3.19E+00	2.40E+00
LOC245297	NM_001018086	Mus musculus similar to RIKEN cDNA 6030426L16 (LOC245297), mRNA [NM_001018086]	3.18E+00	2.39E+00
Bcor	NM_175046	Mus musculus Bcl6 interacting corepressor (Bcor), transcript variant d, mRNA [NM_175046]	3.18E+00	2.09E+00
Fastk	NM_023229	Mus musculus Fas-activated serine/threonine kinase (Fastk), mRNA [NM_023229]	3.17E+00	2.35E+00
Btf3	AK006780	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700054E11 product:hypothetical Proline-rich region containing protein, full insert sequence. [AK006780]	3.16E+00	3.50E+00
Ankrd9	NM_175207	Mus musculus ankyrin repeat domain 9 (Ankrd9), mRNA [NM_175207]	3.16E+00	2.41E+00
Arid5b	NM_023598	Mus musculus AT rich interactive domain 5B (Mrf1 like) (Arid5b), mRNA [NM_023598]	3.15E+00	2.40E+00
2210416O15Rik	XM_488605	PREDICTED: Mus musculus RIKEN cDNA 2210416O15 gene (2210416O15Rik), mRNA [XM_488605]	3.15E+00	2.56E+00
D130020L05Rik	AK087910	Mus musculus 2 days pregnant adult female ovary cDNA, RIKEN full-length enriched library, clone:E330039O16 product:unknown EST, full insert sequence. [AK087910]	3.15E+00	2.32E+00
E130304I02Rik	AK021412	Mus musculus 0 day neonate eyeball cDNA, RIKEN full-length enriched library, clone:E130304I02 product:hypothetical protein, full insert sequence. [AK021412]	3.13E+00	2.50E+00
B230317C12Rik	NM_019833	Mus musculus RIKEN cDNA B230317C12 gene (B230317C12Rik), mRNA [NM_019833]	3.13E+00	2.88E+00
Yif1b	NM_029887	Mus musculus Yip1 interacting factor homolog B (<i>S. cerevisiae</i>) (Yif1b), mRNA [NM_029887]	3.12E+00	2.77E+00
Pou4f1	NM_011143	Mus musculus POU domain, class 4, transcription factor 1 (Pou4f1), mRNA [NM_011143]	3.11E+00	2.39E+00
Mthfr	AF404271	Mus musculus methylenetetrahydrofolate reductase short isoform (Mthfr) mRNA, partial cds; alternatively spliced. [AF404271]	3.11E+00	2.18E+00
Csnk1a1	AK076264	Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone:4632404G05 product:CASEIN KINASE I, ALPHA ISOFORM (EC 2.7.1.-) (CKI-ALPHA) (CK1) homolog [Bos taurus], full insert sequence [AK076264]	3.11E+00	2.70E+00
Arf5	NM_007480	Mus musculus ADP-ribosylation factor 5 (Arf5), mRNA [NM_007480]	3.10E+00	2.44E+00
Dchs1	AK048080	Mus musculus 16 days embryo head cDNA, RIKEN full-length enriched library, clone:C130033F22 product:CADHERIN FIB1 (FRAGMENT) homolog [Homo sapiens], full insert sequence [AK048080]	3.07E+00	3.22E+00
Muc4	NM_080457	Mus musculus mucin 4 (Muc4), mRNA [NM_080457]	3.05E+00	2.98E+00
Dysfip1	AK004064	Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched library, clone:1110033I14 product:hypothetical Yeast DNA-binding domain containing protein, full insert sequence. [AK004064]	3.04E+00	2.43E+00
D10Bwg1364e	NM_145421	Mus musculus DNA segment, Chr 10, Brigham & Women's Genetics 1364 expressed (D10Bwg1364e), mRNA [NM_145421]	3.04E+00	2.45E+00
AK049403	AK049403	Mus musculus 7 days embryo whole body cDNA, RIKEN full-length enriched library, clone:C430003P11 product:protein tyrosine phosphatase, receptor-type, M, full insert sequence. [AK049403]	3.03E+00	2.14E+00
Pgls	NM_025396	Mus musculus 6-phosphogluconolactonase (Pgls), mRNA [NM_025396]	3.03E+00	2.35E+00
G630024C07Rik	NM_177362	Mus musculus RIKEN cDNA G630024C07 gene (G630024C07Rik), mRNA [NM_177362]	3.02E+00	2.19E+00
D730049H07Rik	NM_175423	Mus musculus RIKEN cDNA D730049H07 gene (D730049H07Rik), mRNA [NM_175423]	3.02E+00	2.11E+00
LOC433746	XM_485431	PREDICTED: hypothetical protein XP_485431 [Mus musculus], mRNA sequence [XM_485431]	3.01E+00	2.22E+00

6230401O10Rik	NM_028316	Mus musculus RIKEN cDNA 6230401O10 gene (6230401O10Rik), mRNA [NM_028316]	3.01E+00	3.45E+00
Sfxn4	BC058211	Mus musculus sideroflexin 4, mRNA (cDNA clone IMAGE:5365403), partial cds [BC058211]	3.00E+00	3.29E+00
Olf1r124	NM_147062	Mus musculus olfactory receptor 124 (Olf1r124), mRNA [NM_147062]	3.00E+00	2.25E+00
Trim47	NM_172570	Mus musculus tripartite motif protein 47 (Trim47), mRNA [NM_172570]	2.98E+00	2.13E+00
Ppp2r3a	AK054122	Mus musculus 2 days pregnant adult female oviduct cDNA, RIKEN full-length enriched library, clone:E230021115 product:protein phosphatase 2 (formerly 2A), regulatory subunit B" (PR72), alpha isoform and (PR 130), beta isoform, full insert sequence...	2.97E+00	2.84E+00
Qk	U44941	Mus musculus quaking type II (QKII) mRNA, complete cds. [U44941]	2.96E+00	2.22E+00
Il3ra	NM_008369	Mus musculus interleukin 3 receptor, alpha chain (Il3ra), mRNA [NM_008369]	2.96E+00	2.55E+00
Pclo	NM_011995	Mus musculus piccolo (presynaptic cytomatrix protein) (Pclo), mRNA [NM_011995]	2.96E+00	2.85E+00
NAP071025-1	NAP071025-1	Unknown	2.96E+00	2.26E+00
Pctk2	AK078325	Mus musculus adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430598J10 product:inferred: PCTAIRE2 {Rattus norvegicus}, full insert sequence. [AK078325]	2.95E+00	3.02E+00
Tgfb1	NM_011577	Mus musculus transforming growth factor, beta 1 (Tgfb1), mRNA [NM_011577]	2.95E+00	2.05E+00
Rasl10b	AK045997	Mus musculus adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230331P10 product:RAS-LIKE PROTEIN [AK045997]	2.94E+00	2.15E+00
TC1520131	TC1520131	Unknown	2.94E+00	2.13E+00
2410022L05Rik	AK006497	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700029I03 product:similar to TTP1 [Homo sapiens], full insert sequence. [AK006497]	2.93E+00	2.89E+00
Krtcap3	NM_027221	Mus musculus keratinocyte associated protein 3 (Krtcap3), mRNA [NM_027221]	2.92E+00	2.58E+00
Fthl17	NM_031261	Mus musculus ferritin, heavy polypeptide-like 17 (Fthl17), mRNA [NM_031261]	2.92E+00	2.23E+00
D730045B01Rik	XM_620278	PREDICTED: Mus musculus RIKEN cDNA D730045B01 gene (D730045B01Rik), mRNA [XM_620278]	2.92E+00	2.51E+00
Wdr18	AK082695	Mus musculus 0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230089L05 product:similar to HYPOTHETICAL 47.4 KDA PROTEIN [Homo sapiens], full insert sequence [AK082695]	2.92E+00	2.07E+00
Hist2h2aa1	NM_013549	Mus musculus histone 2, H2aa1 (Hist2h2aa1), mRNA [NM_013549]	2.91E+00	2.34E+00
Hist1h1d	NM_145713	Mus musculus histone 1, H1d (Hist1h1d), mRNA [NM_145713]	2.90E+00	2.94E+00
A230106M15Rik	NM_175474	Mus musculus RIKEN cDNA A230106M15 gene (A230106M15Rik), mRNA [NM_175474]	2.90E+00	2.85E+00
Nkx6-2	NM_183248	Mus musculus NK6 transcription factor related, locus 2 (Drosophila) (Nkx6-2), mRNA [NM_183248]	2.90E+00	2.50E+00
AK038627	AK038627	Mus musculus adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230051H13 product:heat shock 70 kDa protein 4, full insert sequence. [AK038627]	2.89E+00	2.82E+00
Gjc1	NM_178596	Mus musculus gap junction membrane channel protein chi 1 (Gjc1), mRNA [NM_178596]	2.89E+00	3.21E+00
Galr3	NM_015738	Mus musculus galanin receptor 3 (Galr3), mRNA [NM_015738]	2.88E+00	2.24E+00
4930431P19Rik	AK031634	Mus musculus 13 days embryo male testis cDNA, RIKEN full-length enriched library, clone:6030464A17 product:hypothetical protein, full insert sequence [AK031634]	2.86E+00	2.36E+00
4921534H16Rik	AK014999	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4921534H16 product:unknown EST, full insert sequence [AK014999]	2.86E+00	2.46E+00

BC027582	NM_183192	Mus musculus cDNA sequence BC027582 (BC027582), mRNA [NM_183192]	2.84E+00	2.25E+00
AK082070	AK082070	Mus musculus 0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230001E18 product:unclassifiable, full insert sequence. [AK082070]	2.84E+00	2.08E+00
Rdh12	NM_030017	Mus musculus retinol dehydrogenase 12 (Rdh12), mRNA [NM_030017]	2.84E+00	2.31E+00
Hist3h2a	NM_178218	Mus musculus histone 3, H2a (Hist3h2a), mRNA [NM_178218]	2.84E+00	2.55E+00
2210008N01Rik	AK008679	Mus musculus adult male stomach cDNA, RIKEN full-length enriched library, clone:2210008N01 product:unclassifiable, full insert sequence. [AK008679]	2.83E+00	2.44E+00
Cebpb	NM_009883	Mus musculus CCAAT/enhancer binding protein (C/EBP), beta (Cebpb), mRNA [NM_009883]	2.83E+00	2.17E+00
2410022M11Rik	AK054069	Mus musculus 2 days pregnant adult female oviduct cDNA, RIKEN full-length enriched library, clone:E230016C02 product:hypothetical protein, full insert sequence [AK054069]	2.82E+00	2.56E+00
Krtap16-9	NM_130876	Mus musculus keratin associated protein 16-9 (Krtap16-9), mRNA [NM_130876]	2.82E+00	2.32E+00
Rabac1	NM_010261	Mus musculus Rab acceptor 1 (prenylated) (Rabac1), mRNA [NM_010261]	2.81E+00	2.05E+00
9530033F24Rik	AK053008	Mus musculus 15 days embryo head cDNA, RIKEN full-length enriched library, clone:D930013H11 product:unknown EST, full insert sequence [AK053008]	2.80E+00	2.37E+00
Ppp2r3a	AK054122	Mus musculus 2 days pregnant adult female oviduct cDNA, RIKEN full-length enriched library, clone:E230021I15 product:protein phosphatase 2 (formerly 2A), regulatory subunit B" (PR72), alpha isoform and (PR 130), beta isoform, full insert sequence...	2.78E+00	2.52E+00
Abtb1	NM_030251	Mus musculus ankyrin repeat and BTB (POZ) domain containing 1 (Abtb1), mRNA [NM_030251]	2.78E+00	2.18E+00
5730411O18Rik	NM_177370	Mus musculus RIKEN cDNA 5730411O18 gene (5730411O18Rik), mRNA [NM_177370]	2.77E+00	2.89E+00
Crb3	NM_177638	Mus musculus crumbs homolog 3 (Drosophila) (Crb3), mRNA [NM_177638]	2.77E+00	2.62E+00
Krtcap3	NM_027221	Mus musculus keratinocyte associated protein 3 (Krtcap3), mRNA [NM_027221]	2.76E+00	2.54E+00
Gpr146	NM_030258	Mus musculus G protein-coupled receptor 146 (Gpr146), mRNA [NM_030258]	2.75E+00	2.05E+00
Jund1	NM_010592	Mus musculus Jun proto-oncogene related gene d1 (Jund1), mRNA [NM_010592]	2.75E+00	2.54E+00
2310047M10Rik	AK009886	Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310047M10 product:hypothetical protein, full insert sequence. [AK009886]	2.74E+00	2.08E+00
LOC546078	XM_620685	PREDICTED: Mus musculus similar to sterile alpha motif domain containing 1 (LOC546078), mRNA [XM_620685]	2.73E+00	2.06E+00
Tnfrsf12a	NM_013749	Mus musculus tumor necrosis factor receptor superfamily, member 12a (Tnfrsf12a), mRNA [NM_013749]	2.72E+00	2.11E+00
Ahnak	NM_175108	Mus musculus AHNAK nucleoprotein (desmoyokin) (Ahnak), transcript variant 2, mRNA [NM_175108]	2.71E+00	2.46E+00
Tst	NM_009437	Mus musculus thiosulfate sulfurtransferase, mitochondrial (Tst), mRNA [NM_009437]	2.71E+00	2.42E+00
9-Mar	BC019560	Mus musculus membrane-associated ring finger (C3HC4) 9, mRNA (cDNA clone IMAGE:4220181), partial cds. [BC019560]	2.68E+00	2.01E+00
Gdf1	NM_008107	Mus musculus growth differentiation factor 1 (Gdf1), mRNA [NM_008107]	2.68E+00	2.21E+00
Tmc6	NM_181321	Mus musculus transmembrane channel-like gene family 6 (Tmc6), transcript variant 2, mRNA [NM_181321]	2.66E+00	2.23E+00
Sac3d1	NM_133678	Mus musculus SAC3 domain containing 1 (Sac3d1), mRNA [NM_133678]	2.66E+00	2.54E+00
5730403B10Rik	NM_025670	Mus musculus RIKEN cDNA 5730403B10 gene (5730403B10Rik), mRNA [NM_025670]	2.66E+00	2.46E+00
Cacnb1	NM_031173	Mus musculus calcium channel, voltage-dependent, beta 1 subunit (Cacnb1), transcript variant variant 1, mRNA [NM_031173]	2.66E+00	2.63E+00

Spna2	XM_207079	PREDICTED: spectrin alpha 2 [Mus musculus], mRNA sequence [XM_207079]	2.65E+00	2.20E+00
Eif2c4	NM_153177	Mus musculus eukaryotic translation initiation factor 2C, 4 (Eif2c4), mRNA [NM_153177]	2.64E+00	2.33E+00
Amac1	NM_019871	Mus musculus acyl-malonyl condensing enzyme 1 (Amac1), mRNA [NM_019871]	2.61E+00	2.31E+00
2610029I01Rik	AK011611	Mus musculus 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610029I01 product:hypothetical Rhodanese/cdc25 fold/Rhodanese signatures containing protein, full insert sequence. [AK011611]	2.60E+00	2.09E+00
Ttyh1	NM_021324	Mus musculus tweety homolog 1 (Drosophila) (Ttyh1), transcript variant 2, mRNA [NM_021324]	2.60E+00	2.55E+00
2310047M10Rik	AK009886	Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310047M10 product:hypothetical protein, full insert sequence. [AK009886]	2.60E+00	2.46E+00
Col1a2	NM_007743	Mus musculus procollagen, type I, alpha 2 (Col1a2), mRNA [NM_007743]	2.60E+00	2.12E+00
Mgea5	NM_023799	Mus musculus meningioma expressed antigen 5 (hyaluronidase) (Mgea5), mRNA [NM_023799]	2.60E+00	2.00E+00
6430402H13Rik	NM_198119	Mus musculus RIKEN cDNA 6430402H13 gene (6430402H13Rik), mRNA [NM_198119]	2.58E+00	2.13E+00
ENSMUST0000021240	ENSMUST00000021240	Unknown	2.57E+00	2.03E+00
Slc25a29	NM_181328	Mus musculus solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29 (Slc25a29), mRNA [NM_181328]	2.57E+00	2.11E+00
AY248756	AY248756	Mus musculus 18S ribosomal RNA-like mRNA, partial sequence. [AY248756]	2.56E+00	2.06E+00
Lemd2	NM_146075	Mus musculus LEM domain containing 2 (Lemd2), mRNA [NM_146075]	2.55E+00	2.27E+00
Pcsk1n	NM_013892	Mus musculus proprotein convertase subtilisin/kexin type 1 inhibitor (Pcsk1n), mRNA [NM_013892]	2.55E+00	2.47E+00
C1rl	NM_181344	Mus musculus complement component 1, r subcomponent-like (C1rl), mRNA [NM_181344]	2.55E+00	2.57E+00
4930588M11Rik	NM_153806	Mus musculus RIKEN cDNA 4930588M11 gene (4930588M11Rik), mRNA [NM_153806]	2.55E+00	2.55E+00
AK008871	AK008871	Mus musculus adult male stomach cDNA, RIKEN full-length enriched library, clone:2210409F01 product:serine palmitoyltransferase, long chain base subunit 2, full insert sequence. [AK008871]	2.55E+00	2.10E+00
Plekhj1	NM_023900	Mus musculus pleckstrin homology domain containing, family J member 1 (Plekhj1), mRNA [NM_023900]	2.55E+00	2.12E+00
Mns1	NM_008613	Mus musculus meiosis-specific nuclear structural protein 1 (Mns1), mRNA [NM_008613]	2.54E+00	3.02E+00
Spata11	NM_025538	Mus musculus spermatogenesis associated 11 (Spata11), mRNA [NM_025538]	2.54E+00	2.27E+00
Fbxl15	NM_133694	Mus musculus F-box and leucine-rich repeat protein 15 (Fbxl15), mRNA [NM_133694]	2.54E+00	2.13E+00
4933432I09Rik	AK016380	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930590L02 product:unclassifiable, full insert sequence. [AK016380]	2.53E+00	2.30E+00
1810015A11Rik	NM_026940	Mus musculus RIKEN cDNA 1810015A11 gene (1810015A11Rik), mRNA [NM_026940]	2.53E+00	2.62E+00
9130210N20Rik	NM_172607	Mus musculus RIKEN cDNA 9130210N20 gene (9130210N20Rik), mRNA [NM_172607]	2.53E+00	2.46E+00
Muc4	AF218265	Mus musculus mucin Muc4 mRNA, partial cds. [AF218265]	2.52E+00	3.37E+00
5730457F11Rik	NM_172935	Mus musculus RIKEN cDNA 5730457F11 gene (5730457F11Rik), mRNA [NM_172935]	2.51E+00	2.29E+00
Polr2a	NM_009089	Mus musculus polymerase (RNA) II (DNA directed) polypeptide A (Polr2a), mRNA [NM_009089]	2.51E+00	2.63E+00
AK037823	AK037823	Mus musculus 16 days neonate thymus cDNA, RIKEN full-length enriched library, clone:A130052M04 product:hypothetical protein, full insert sequence. [AK037823]	2.51E+00	3.07E+00
9430023L20Rik	NM_026566	Mus musculus RIKEN cDNA 9430023L20 gene (9430023L20Rik), mRNA [NM_026566]	2.51E+00	2.03E+00

Tspan4	NM_053082	Mus musculus tetraspanin 4 (Tspan4), mRNA [NM_053082]	2.50E+00	2.53E+00
2010317E24Rik	BC070477	Mus musculus RIKEN cDNA 2010317E24 gene, mRNA (cDNA clone MGC:99844 IMAGE:30656854), complete cds. [BC070477]	2.50E+00	2.27E+00
Cebpd	NM_007679	Mus musculus CCAAT/enhancer binding protein (C/EBP), delta (Cebpd), mRNA [NM_007679]	2.49E+00	3.22E+00
Rhbdl4	NM_139228	Mus musculus rhomboid, veinlet-like 4 (Drosophila) (Rhbdl4), mRNA [NM_139228]	2.49E+00	2.20E+00
Naglu	NM_013792	Mus musculus alpha-N-acetylglucosaminidase (Sanfilippo disease IIIB) (Naglu), mRNA [NM_013792]	2.49E+00	2.06E+00
2410003B16Rik	AK052489	Mus musculus 13 days embryo lung cDNA, RIKEN full-length enriched library, clone:D430036A13 product:strain Swiss Webster [AK052489]	2.48E+00	2.06E+00
Sphk1	NM_025367	Mus musculus sphingosine kinase 1 (Sphk1), transcript variant 2, mRNA [NM_025367]	2.48E+00	2.00E+00
NAP045521-1	NAP045521-1	Unknown	2.48E+00	2.14E+00
Wtip	NM_207212	Mus musculus WT1-interacting protein (Wtip), mRNA [NM_207212]	2.48E+00	2.48E+00
MGI:2384747	AJ539223	Mus musculus mRNA for erythroid differentiation regulator (edr gene). [AJ539223]	2.48E+00	2.87E+00
2510022D24Rik	AK010990	Mus musculus 13 days embryo liver cDNA, RIKEN full-length enriched library, clone:2510022D24 product:hypothetical Maf-like protein containing protein, full insert sequence. [AK010990]	2.47E+00	2.43E+00
Oog4	NM_173773	Mus musculus oogenesis 4 (Oog4), mRNA [NM_173773]	2.47E+00	2.01E+00
Bok	NM_016778	Mus musculus Bcl-2-related ovarian killer protein (Bok), mRNA [NM_016778]	2.47E+00	2.44E+00
Klc3	NM_146182	Mus musculus kinesin light chain 3 (Klc3), mRNA [NM_146182]	2.46E+00	2.49E+00
Nfkbil1	NM_010909	Mus musculus nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1 (Nfkbil1), mRNA [NM_010909]	2.46E+00	2.27E+00
2610206C24Rik	AK005221	Mus musculus adult male cerebellum cDNA, RIKEN full-length enriched library, clone:1500011M10 product:hypothetical protein, full insert sequence. [AK005221]	2.46E+00	2.70E+00
Slc16a11	NM_153081	Mus musculus solute carrier family 16 (monocarboxylic acid transporters), member 11 (Slc16a11), mRNA [NM_153081]	2.46E+00	2.26E+00
Nr2f6	NM_010150	Mus musculus nuclear receptor subfamily 2, group F, member 6 (Nr2f6), mRNA [NM_010150]	2.45E+00	2.64E+00
Pim3	NM_145478	Mus musculus proviral integration site 3 (Pim3), mRNA [NM_145478]	2.45E+00	2.08E+00
LOC545753	XM_620195	PREDICTED: Mus musculus similar to hypothetical protein LOC79667 (LOC545753), mRNA [XM_620195]	2.44E+00	2.91E+00
2310044H10Rik	NM_197991	Mus musculus RIKEN cDNA 2310044H10 gene (2310044H10Rik), mRNA [NM_197991]	2.44E+00	2.19E+00
Mki67	X82786	M.musculus mRNA for Ki-67. [X82786]	2.44E+00	3.53E+00
Metrn	NM_133719	Mus musculus meteorin, glial cell differentiation regulator (Metrn), mRNA [NM_133719]	2.43E+00	3.30E+00
Slc35b2	BC036992	Mus musculus solute carrier family 35, member B2, mRNA (cDNA clone MGC:46984 IMAGE:5003855), complete cds. [BC036992]	2.43E+00	2.24E+00
AV104666	AV104666	AV104666 AV104666 Mus musculus liver C57BL/6J 13-day embryo Mus musculus cDNA clone 2510008K06, mRNA sequence [AV104666]	2.43E+00	2.09E+00
1110006O24Rik	NM_021417	Mus musculus RIKEN cDNA 1110006O24 gene (1110006O24Rik), mRNA [NM_021417]	2.42E+00	2.14E+00
Dyrk1b	NM_010092	Mus musculus dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b (Dyrk1b), mRNA [NM_010092]	2.41E+00	2.08E+00
Hist1h1b	NM_020034	Mus musculus histone 1, H1b (Hist1h1b), mRNA [NM_020034]	2.40E+00	3.47E+00
Ascc3l1	NM_177214	Mus musculus activating signal cointegrator 1 complex subunit 3-like 1 (Ascc3l1), mRNA [NM_177214]	2.40E+00	2.65E+00

Falz	BC060715	Mus musculus fetal Alzheimer antigen, mRNA (cDNA clone MGC:67573 IMAGE:6405350), complete cds. [BC060715]	2.39E+00	3.00E+00
Pole	NM_011132	Mus musculus polymerase (DNA directed), epsilon (Pole), mRNA [NM_011132]	2.38E+00	2.56E+00
Utrn	AK012837	Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810028G24 product:utrophin, full insert sequence. [AK012837]	2.37E+00	2.17E+00
Unc5a	NM_153131	Mus musculus unc-5 homolog A (<i>C. elegans</i>) (Unc5a), mRNA [NM_153131]	2.37E+00	2.01E+00
4930427A07Rik	NM_134041	Mus musculus RIKEN cDNA 4930427A07 gene (4930427A07Rik), mRNA [NM_134041]	2.37E+00	3.24E+00
AK050977	AK050977	Mus musculus 9 days embryo whole body cDNA, RIKEN full-length enriched library, clone:D030049E01 product:weakly similar to IP63 PROTEIN [<i>Rattus norvegicus</i>], full insert sequence. [AK050977]	2.36E+00	3.18E+00
Cul3	AF129738	Mus musculus cullin 3 (Cul3) mRNA, complete cds. [AF129738]	2.36E+00	2.42E+00
Hlrc1	NM_133964	Mus musculus HEAT-like (PBS lyase) repeat containing 1 (Hlrc1), mRNA [NM_133964]	2.35E+00	2.57E+00
Ror2	NM_013846	Mus musculus receptor tyrosine kinase-like orphan receptor 2 (Ror2), mRNA [NM_013846]	2.35E+00	2.74E+00
Slc35b2	BC036992	Mus musculus solute carrier family 35, member B2, mRNA (cDNA clone MGC:46984 IMAGE:5003855), complete cds. [BC036992]	2.34E+00	2.16E+00
Dedd2	NM_026117	Mus musculus death effector domain-containing DNA binding protein 2 (Dedd2), transcript variant 2, mRNA [NM_026117]	2.34E+00	2.12E+00
Tysnd1	AK005069	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300019N10 product:hypothetical protein, full insert sequence. [AK005069]	2.34E+00	2.07E+00
Hcst	NM_011827	Mus musculus hematopoietic cell signal transducer (Hcst), mRNA [NM_011827]	2.34E+00	2.40E+00
A930013K19	BC089590	Mus musculus hypothetical protein A930013K19, mRNA (cDNA clone MGC:107606 IMAGE:6759981), complete cds [BC089590]	2.33E+00	2.22E+00
Huwe1	NM_021523	Mus musculus HECT, UBA and WWE domain containing 1 (Huwe1), mRNA [NM_021523]	2.31E+00	2.74E+00
Zfpm1	NM_009569	Mus musculus zinc finger protein, multitype 1 (Zfpm1), mRNA [NM_009569]	2.30E+00	2.51E+00
Tbcc	NM_178385	Mus musculus tubulin-specific chaperone c (Tbcc), mRNA [NM_178385]	2.29E+00	2.38E+00
Smc11	NM_019710	Mus musculus SMC (structural maintenance of chromosomes 1)-like 1 (<i>S. cerevisiae</i>) (Smc11), mRNA [NM_019710]	2.29E+00	2.88E+00
D11Bwg0434e	NM_173742	Mus musculus DNA segment, Chr 11, Brigham & Women's Genetics 0434 expressed (D11Bwg0434e), mRNA [NM_173742]	2.27E+00	2.13E+00
5430410O10	5430410O10	hypothetical protein [5430410O10]	2.27E+00	2.56E+00
TC1561961	TC1561961	SOC3_MOUSE (O35718) Suppressor of cytokine signaling 3 (SOCS-3) (Cytokine-inducible SH2 protein 3) (CIS-3) (Protein EF-10), complete [TC1561961]	2.26E+00	2.06E+00
Fras1	NM_175473	Mus musculus Fraser syndrome 1 homolog (human) (Fras1), mRNA [NM_175473]	2.26E+00	2.52E+00
Pgf	NM_008827	Mus musculus placental growth factor (Pgf), mRNA [NM_008827]	2.25E+00	2.63E+00
A930013K19	NM_172708	Mus musculus hypothetical protein A930013K19 (A930013K19), mRNA [NM_172708]	2.25E+00	2.11E+00
Ddah2	NM_016765	Mus musculus dimethylarginine dimethylaminohydrolase 2 (Ddah2), mRNA [NM_016765]	2.23E+00	2.33E+00
Spnb2	BC024833	Mus musculus spectrin beta 2, mRNA (cDNA clone IMAGE:5361724), partial cds. [BC024833]	2.23E+00	2.96E+00
Ier2	NM_010499	Mus musculus immediate early response 2 (Ier2), mRNA [NM_010499]	2.22E+00	2.42E+00
Itpr2	NM_019923	Mus musculus inositol 1,4,5-triphosphate receptor 2 (Itpr2), transcript variant 1, mRNA [NM_019923]	2.21E+00	2.29E+00
Hcn2	NM_008226	Mus musculus hyperpolarization-activated, cyclic nucleotide-gated K ⁺ 2 (Hcn2), mRNA [NM_008226]	2.19E+00	2.01E+00

Pycrl	NM_025412	Mus musculus pyrroline-5-carboxylate reductase-like (Pycrl), mRNA [NM_025412]	2.19E+00	2.13E+00
Centg1	AK220325	Mus musculus mRNA for mKIAA0167 protein. [AK220325]	2.18E+00	2.02E+00
BC039142	BC039142	Mus musculus, clone IMAGE:4206343, mRNA. [BC039142]	2.18E+00	2.01E+00
AI836003	NM_177716	Mus musculus expressed sequence AI836003 (AI836003), mRNA [NM_177716]	2.17E+00	2.21E+00
2810416G20Rik	AK021294	Mus musculus 13 days embryo stomach cDNA, RIKEN full-length enriched library, clone:D530019O13 product:unknown EST, full insert sequence. [AK021294]	2.16E+00	2.16E+00
Ncl	NM_010880	Mus musculus nucleolin (Ncl), mRNA [NM_010880]	2.16E+00	2.02E+00
Cebpb	NM_009883	Mus musculus CCAAT/enhancer binding protein (C/EBP), beta (Cebpb), mRNA [NM_009883]	2.15E+00	2.59E+00
Nme4	NM_019731	Mus musculus expressed in non-metastatic cells 4, protein (Nme4), mRNA [NM_019731]	2.15E+00	2.54E+00
C330016O10Rik	NM_145974	Mus musculus RIKEN cDNA C330016O10 gene (C330016O10Rik), mRNA [NM_145974]	2.15E+00	2.05E+00
A030006P16Rik	AK020698	Mus musculus 6 days neonate skin cDNA, RIKEN full-length enriched library, clone:A030006P16 product:similar to KERATIN ASSOCIATED PROTEIN 16.1 [Homo sapiens], full insert sequence. [AK020698]	2.14E+00	2.20E+00
Tmc6	NM_145439	Mus musculus transmembrane channel-like gene family 6 (Tmc6), transcript variant 1, mRNA [NM_145439]	2.13E+00	2.42E+00
Pofut2	NM_030262	Mus musculus protein O-fucosyltransferase 2 (Pofut2), mRNA [NM_030262]	2.13E+00	2.01E+00
Slc7a4	NM_144852	Mus musculus solute carrier family 7 (cationic amino acid transporter, y+ system), member 4 (Slc7a4), mRNA [NM_144852]	2.13E+00	2.03E+00
Slc35e4	NM_153142	Mus musculus solute carrier family 35, member E4 (Slc35e4), mRNA [NM_153142]	2.12E+00	2.12E+00
Hint2	BC086940	Mus musculus histidine triad nucleotide binding protein 2, mRNA (cDNA clone MGC:107703 IMAGE:6775318), complete cds. [BC086940]	2.12E+00	2.42E+00
Fbxl6	NM_013909	Mus musculus F-box and leucine-rich repeat protein 6 (Fbxl6), mRNA [NM_013909]	2.12E+00	2.07E+00
Lor	NM_008508	Mus musculus lorocrin (Lor), mRNA [NM_008508]	2.12E+00	2.50E+00
Arx	NM_007492	Mus musculus aristaless related homeobox gene (Drosophila) (Arx), mRNA [NM_007492]	2.11E+00	2.49E+00
5730407K14Rik	BC094371	Mus musculus cDNA clone IMAGE:6849194, with apparent retained intron [BC094371]	2.10E+00	2.09E+00
A_52_P981301	A_52_P981301	Unknown	2.10E+00	2.28E+00
Fath	NM_010179	Mus musculus fat tumor suppressor homolog (Drosophila) (Fath), mRNA [NM_010179]	2.10E+00	2.82E+00
Rnpepl1	NM_181405	Mus musculus arginyl aminopeptidase (aminopeptidase B)-like 1 (Rnpepl1), mRNA [NM_181405]	2.08E+00	2.51E+00
Il11ra1	NM_010549	Mus musculus interleukin 11 receptor, alpha chain 1 (Il11ra1), mRNA [NM_010549]	2.06E+00	2.46E+00
Hspca	NM_010480	Mus musculus heat shock protein 1, alpha (Hspca), mRNA [NM_010480]	2.06E+00	2.14E+00
Mocs3	XM_130596	PREDICTED: molybdenum cofactor synthesis 3 [Mus musculus], mRNA sequence [XM_130596]	2.06E+00	2.45E+00
3110056O03Rik	NM_175195	Mus musculus RIKEN cDNA 3110056O03 gene (3110056O03Rik), mRNA [NM_175195]	2.05E+00	2.24E+00
6430526N21Rik	AK031793	Mus musculus 11 days embryo head cDNA, RIKEN full-length enriched library, clone:6230427H18 product:hypothetical protein, full insert sequence [AK031793]	2.05E+00	2.13E+00
Ncor1	NM_011308	Mus musculus nuclear receptor co-repressor 1 (Ncor1), mRNA [NM_011308]	2.05E+00	2.00E+00
Pkmyt1	NM_023058	Mus musculus protein kinase, membrane associated tyrosine/threonine 1 (Pkmyt1), mRNA [NM_023058]	2.04E+00	2.27E+00
Timm17b	NM_011591	Mus musculus translocator of inner mitochondrial membrane 17b (Timm17b), mRNA [NM_011591]	2.03E+00	2.01E+00

2410015B03Rik	NM_028036	Mus musculus RIKEN cDNA 2410015B03 gene (2410015B03Rik), mRNA [NM_028036]	2.02E+00	2.42E+00
BC025575	NM_199200	Mus musculus cDNA sequence BC025575 (BC025575), mRNA [NM_199200]	2.02E+00	2.16E+00
Hist1h1e	NM_015787	Mus musculus histone 1, H1e (Hist1h1e), mRNA [NM_015787]	2.02E+00	2.14E+00
Slc39a13	NM_026721	Mus musculus solute carrier family 39 (metal ion transporter), member 13 (Slc39a13), mRNA [NM_026721]	2.02E+00	2.16E+00
Rasip1	NM_028544	Mus musculus Ras interacting protein 1 (Rasip1), mRNA [NM_028544]	2.02E+00	2.06E+00
2210411K11Rik	XM_355846	PREDICTED: hypothetical protein LOC75685 [Mus musculus], mRNA sequence [XM_355846]	2.01E+00	2.48E+00