

## Supplementary Table S1: Primers used in this study

Sequence 5' – 3'	Use
1. ACTCGTGTCAAAGCCGTTAGG	Human TXNIP 5' qPCR primer
2. TCCCTGCATCCAAAGCACTT	Human TXNIP 3' qPCR primer
3. CGAGTCAAAGCCGTCAGGAT	Rat TXNIP 5' qPCR primer
4. TTCATAGCGCAAGTAGTCCAAGGT	Rat TXNIP qPCR primer
5. CGAGTCAAAGCCGTCAGGAT	Mouse TXNIP 5' qPCR primer
6. TTCATAGCGCAAGTAGTCCAAGT	Mouse TXNIP 3' qPCR primer
7. TCCGCCTGTTCCGATGTAC	Human SREBP2 5' qPCR primer
8. TGCACATT CAGCCAGGTTCA	Human SREBP2 2' qPCR primer
9. TCTGACCACAATGCCGTTAA	Rat SREBP2 5' qPCR primer
10. CCCAGGCACTTGCTTAATGG	Rat SREBP2 3' qPCR primer
11. TCCGCAGACGAGGATCATC	Mouse SREBP2 5' qPCR primer
12. AGCTGGTCGCTGCGTTCT	Mouse SREBP2 3' qPCR primer
13. CCAGTGGCAGGCAATGTG	Human NFYA 5' qPCR primer
14. GCCCCAGGAACCATCATG	Human NFYA 5' qPCR primer
13. TGGCACAATCCTCCAGCAA	Rat NFYA 5' qPCR primer
14. CTGTGCCCCCTGCCAAACT	Rat NFYA 3' qPCR primer
15. TTCGCGCTCCGATTGG	Rat SREBP2 NFY binding site 5' ChIP primer
16. GCCCCATGTTTGTGTCA	Rat SREBP2 NFY binding site 3' ChIP primer
17. CCTCCTTCCAGACAGATCACT	Rat Shc1 NFY binding site 5' ChIP primer
18. TTGTGTTAGCCAGGCCACTCT	Rat Shc1 NFY binding site 3' ChIP primer
19. TCCCCAGGTCCTCTGTTATCA	Rat Shc1 5' qPCR primer
20. TCCCCAGACCCTTAGCCTAGTC	Rat Shc1 3' qPCR primer
21. GCCGACTGCAAACAGATCATT	Mouse Shc1 5' qPCR primer
22. ACCGGACGCGAAAGAGATAG	Mouse Shc1 3' qPCR primer
23. ACCATGCTTCACTGACATTCTGA	Rat GAPDH 5' ChIP control primer
24. GGTCTGCCTCCCTGCTAACC	Rat GAPDH 3' ChIP control primer
25. TGATGGACCTGGGATTGCA	Human CROT 5' qPCR primer
26. CGTGCCTTAGCCATCGA	Human CROT 3' qPCR primer
27. GATACTTTTACCATGGCCGAACA	Rat CROT 5' qPCR primer
28. CCTGACGGCCTCCACTGTA	Rat CROT qPCR primer
29. GGCAAAAAGCTCACCAAGGA	Mouse CROT 5' qPCR primer
30. CTGAAGAGCGAGCTGAATAAAGG	Mouse CROT 3' qPCR primer
31. TGCCATGGATCTGCTGTATATCC	Human CPT1A 5' qPCR primer
32. GCGTTGCCGGCTCTTG	Human CPT1A 3' qPCR primer
33. CATTACAAGGACATGGGCAAGTT	Rat CPT1A 5' qPCR primer
34. CGGAAGAGCCGGGTCAT	Rat CPT1A 3' qPCR primer
35. CACCAACGGGCTCATCTTCT	Mouse CPT1A 5' qPCR primer
36. CCTTCTATCGAATTTGCTCTGGTT	Mouse CPT1A 3' qPCR primer
37. CCGCTGCCTTTGCTGTTT	Human HADHB 5' qPCR primer
38. TGTGAGAGCGCAGTGCATATT	Human HADHB 3' qPCR primer
39. CTGGCTGCTGCCTTTGCT	Rat HADHB 5' qPCR primer
40. CTGTGAGAACGCAGTGCATATTT	Rat HADHB qPCR primer
41. GGGTCCGCATTCCATTTCT	Mouse HADHB 5' qPCR primer
42. GCCAAGTCATGTGGCATTAGG	Mouse HADHB 3' qPCR primer

43.	CGCTGACTCCTCAAGATGGGT	NeoF1 Txnip <sup>lox/lox</sup> genotyping primer
44.	GGAAAGACAACGCCAGAAGG	R2 Txnip <sup>lox/lox</sup> genotyping primer
45.	ACGTGCTACTTCCATTTGTC	GT1 Txnip <sup>lox/lox</sup> genotyping primer
46.	GTTTCGAAGAACCTGATGGACA	Cre1 alphaMyHC-cre <sup>+/-</sup> genotyping primer
47.	CTAGAGCCTGTTTTGCACGTTT	Cre2 alphaMyHC-cre <sup>+/-</sup> genotyping primer

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## Supplementary Table S2

### Changes in cardiac gene expression in cardiomyocyte-specific TXNIP knockout (cTKO) and control (lox/lox) mice

Differences in gene expression between cTKO and control littermate hearts were analyzed using Illumina mouse BeadChips. Genes found to be significantly changed ( $p < 0.05$ ) as assessed by one-way ANOVA are listed in alphabetical order;  $n = 3$  mice per group.

Accession Number	Gene Symbol	Gene Definition	Induction or repression in cTKO	Mean fold change for cTKO versus control
NM_178066.2	1110012D08Rik	Mus musculus RIKEN cDNA 1110012D08 gene (1110012D08Rik), mRNA.	induction	1.173599
NM_028624.1	1110017D15Rik	Mus musculus RIKEN cDNA 1110017D15 gene (1110017D15Rik), transcript variant 2, mRNA. XM_896996 XM_911474 XM_921988 XM_921993 XM_921997 XM_922001 XM_922006 XM_984085 XM_984115 XM_984145 XM_984173 XM_984201 XM_984239	repression	-7.14983
NM_178065.3	1110018G07Rik	Mus musculus RIKEN cDNA 1110018G07 gene (1110018G07Rik), mRNA.	repression	-1.33601
NM_025419.2	1110059G10Rik	Mus musculus RIKEN cDNA 1110059G10 gene (1110059G10Rik), mRNA.	repression	-1.73355
NM_024205.1	1200003C05Rik	Mus musculus RIKEN cDNA 1200003C05 gene (1200003C05Rik), mRNA.	induction	1.06599
NM_026177.3	1200011I18Rik	Mus musculus RIKEN cDNA 1200011I18 gene (1200011I18Rik), mRNA.	induction	4.944165
NM_028791.5	1300018I05Rik	Mus musculus RIKEN cDNA 1300018I05 gene (1300018I05Rik), mRNA.	repression	-1.08198
NM_027405.2	1700020O03Rik	Mus musculus RIKEN cDNA 1700020O03 gene (1700020O03Rik), mRNA.	induction	1.402095
NM_027285.2	1700029I01Rik	Mus musculus RIKEN cDNA 1700029I01 gene (1700029I01Rik), mRNA.	induction	3.183246
NM_026625.2	1700067P10Rik	Mus musculus RIKEN cDNA 1700067P10 gene (1700067P10Rik), mRNA.	induction	2.664977
NM_138581.2	1700088E04Rik	Mus musculus RIKEN cDNA 1700088E04 gene (1700088E04Rik), mRNA.	repression	-1.2722
NM_197989.1	1810009O10Rik	Mus musculus RIKEN cDNA 1810009O10 gene (1810009O10Rik), mRNA.	repression	-6.29994
NM_025465.2	1810029B16Rik	Mus musculus RIKEN cDNA 1810029B16 gene (1810029B16Rik), mRNA.	induction	1.435478
NM_025617.2	2210012G02Rik	Mus musculus RIKEN cDNA 2210012G02 gene (2210012G02Rik), mRNA.	repression	-2.07431
NM_001081961.1	2300005B03Rik	Mus musculus RIKEN cDNA 2300005B03 gene (2300005B03Rik), mRNA.	induction	3.460898
NM_026760.2	2310036O22Rik	Mus musculus RIKEN cDNA 2310036O22 gene	repression	-1.11215

		(2310036O22Rik), mRNA.		
NM_027172.2	2310046K01Rik	Mus musculus RIKEN cDNA 2310046K01 gene (2310046K01Rik), mRNA.	repression	-1.29893
NM_018888.1	2410003P15Rik	Mus musculus RIKEN cDNA 2410003P15 gene (2410003P15Rik), mRNA.	repression	-1.15231
NM_029354.1	2410018G20Rik	Mus musculus RIKEN cDNA 2410018G20 gene (2410018G20Rik), mRNA.	induction	1.258811
NM_023215.3	2500003M10Rik	Mus musculus RIKEN cDNA 2500003M10 gene (2500003M10Rik), mRNA.	repression	-1.17431
NM_027381.1	2510012J08Rik	Mus musculus RIKEN cDNA 2510012J08 gene (2510012J08Rik), mRNA.	repression	-1.93498
NM_028130	2610020C11Rik		repression	-1.25345
NM_198411.2	2610204M08Rik	Mus musculus RIKEN cDNA 2610204M08 gene (2610204M08Rik), mRNA.	repression	-1.88621
NM_028131.1	2610510J17Rik	Mus musculus RIKEN cDNA 2610510J17 gene (2610510J17Rik), mRNA.	repression	-2.80636
NM_028377.1	2900006K08Rik	Mus musculus RIKEN cDNA 2900006K08 gene (2900006K08Rik), mRNA.	induction	2.198387
NM_026064.1	2900073G15Rik		repression	-1.32556
NM_178141.2	3830406C13Rik	Mus musculus RIKEN cDNA 3830406C13 gene (3830406C13Rik), transcript variant 2, mRNA.	induction	1.104651
NM_027568.2	4733401H21Rik	Mus musculus RIKEN cDNA 4733401H21 gene (4733401H21Rik), mRNA.	repression	-3.14054
NM_001024606.1	4833426J09Rik	Mus musculus RIKEN cDNA 4833426J09 gene (4833426J09Rik), mRNA.	repression	-1.45167
NM_183131.2	4930451I11Rik	Mus musculus RIKEN cDNA 4930451I11 gene (4930451I11Rik), mRNA.	repression	-3.01308
NM_133732.2	4931406C07Rik	Mus musculus RIKEN cDNA 4931406C07 gene (4931406C07Rik), mRNA.	induction	1.109553
NM_001082535.1	4933407P14Rik	Mus musculus RIKEN cDNA 4933407P14 gene (4933407P14Rik), transcript variant 2, mRNA.	induction	7.791707
NM_025762.1	4933434E20Rik	Mus musculus RIKEN cDNA 4933434E20 gene (4933434E20Rik), transcript variant 1, mRNA.	induction	1.234404
NM_025757.3	4933439F18Rik	Mus musculus RIKEN cDNA 4933439F18 gene (4933439F18Rik), mRNA.	induction	3.35102
NM_194335.1	4933440H19Rik	Mus musculus RIKEN cDNA 4933440H19 gene (4933440H19Rik), mRNA.	repression	-2.94825
NM_175533.3	5830411N06Rik	Mus musculus RIKEN cDNA 5830411N06 gene (5830411N06Rik), transcript variant 3, mRNA.	induction	3.487904
NM_175232.3	5830427D03Rik	Mus musculus RIKEN cDNA 5830427D03 gene (5830427D03Rik), mRNA.	induction	1.261222
NM_178801.2	6030446N20Rik	Mus musculus RIKEN cDNA 6030446N20 gene (6030446N20Rik), mRNA.	induction	4.570034
NM_182995.1	6330503K22Rik	Mus musculus RIKEN cDNA 6330503K22 gene (6330503K22Rik), mRNA.	repression	-3.26013
XM_001481327.1	6530404N21Rik	PREDICTED: Mus musculus RIKEN cDNA 6530404N21 gene (6530404N21Rik), mRNA.	repression	-1.44053

NM_026558.2	6720467C03Rik	Mus musculus RIKEN cDNA 6720467C03 gene (6720467C03Rik), mRNA.	induction	1.223199
NM_177793.3	9030224M15Rik	Mus musculus RIKEN cDNA 9030224M15 gene (9030224M15Rik), mRNA.	repression	-2.74401
NM_001081289.1	9030418K01Rik	Mus musculus RIKEN cDNA 9030418K01 gene (9030418K01Rik), mRNA.	repression	-3.67125
NM_133733.4	9030425E11Rik	Mus musculus RIKEN cDNA 9030425E11 gene (9030425E11Rik), mRNA.	induction	1.243173
NM_172641.2	9930023K05Rik	Mus musculus RIKEN cDNA 9930023K05 gene (9930023K05Rik), mRNA.	induction	6.165399
NM_001033472.2	A830080D01Rik	Mus musculus RIKEN cDNA A830080D01 gene (A830080D01Rik), mRNA.	repression	-1.67694
NM_177857	A930010I20Rik		repression	-1.68766
NM_001013793.1	AA388235	Mus musculus expressed sequence AA388235 (AA388235), mRNA.	repression	-1.69787
NM_175352.2	AA407659	Mus musculus expressed sequence AA407659 (AA407659), mRNA.	repression	-1.23052
NM_134087.1	AA409316	Mus musculus expressed sequence AA409316 (AA409316), mRNA.	repression	-1.74131
NM_001004174.1	AA467197	Mus musculus expressed sequence AA467197 (AA467197), mRNA.	induction	3.167842
NM_201245.1	AA536749		induction	5.423262
NM_030210.1	Aacs	Mus musculus acetoacetyl-CoA synthetase (Aacs), mRNA.	induction	1.564974
NM_206536.1	AB124611	Mus musculus cDNA sequence AB124611 (AB124611), mRNA.	repression	-3.45638
NM_172961.2	Abat	Mus musculus 4-aminobutyrate aminotransferase (Abat), nuclear gene encoding mitochondrial protein, mRNA.	induction	2.584008
NM_029600.3	Abcc3	Mus musculus ATP-binding cassette, sub-family C (CFTR/MRP), member 3 (Abcc3), mRNA.	repression	-1.43937
NM_008992.1	Abcd4	Mus musculus ATP-binding cassette, sub-family D (ALD), member 4 (Abcd4), mRNA.	induction	2.114141
NM_198127.1	Abi2	Mus musculus abl-interactor 2 (Abi2), mRNA.	induction	1.245763
NM_029638.1	Abp1	Mus musculus amiloride binding protein 1 (amine oxidase, copper-containing) (Abp1), mRNA.	induction	2.608471
NM_025862.2	Acad8	Mus musculus acyl-Coenzyme A dehydrogenase family, member 8 (Acad8), mRNA.	induction	2.564812
NM_027286.3	Ace2	Mus musculus angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (Ace2), mRNA.	repression	-2.66495
NM_012006.2	Acot1	Mus musculus acyl-CoA thioesterase 1 (Acot1), mRNA.	repression	-2.91153
NM_133348.1	Acot7	Mus musculus acyl-CoA thioesterase 7 (Acot7), mRNA.	repression	-1.28757
NM_133348.1	Acot7	Mus musculus acyl-CoA thioesterase 7 (Acot7), mRNA.	repression	-1.34058
NM_080575.1	Acss1	Mus musculus acyl-CoA synthetase short-chain family member 1 (Acss1), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.22794
NM_007392.2	Acta2	Mus musculus actin, alpha 2, smooth muscle, aorta (Acta2), mRNA.	induction	1.350132
NM_031404.4	Actl6b	Mus musculus actin-like 6B (Actl6b), mRNA.	induction	1.850259
NM_175939.2	Adam29	Mus musculus a disintegrin and	repression	-2.82862

		metallopeptidase domain 29 (Adam29), mRNA.		
NM_080435.1	Adcy4	Mus musculus adenylate cyclase 4 (Adcy4), mRNA.	repression	-1.81933
NM_175236.3	Adhfe1	Mus musculus alcohol dehydrogenase, iron containing, 1 (Adhfe1), mRNA.	repression	-1.90189
NM_013461.3	Adra1a	Mus musculus adrenergic receptor, alpha 1a (Adra1a), mRNA.	repression	-1.73707
NM_009633.3	Adra2b	Mus musculus adrenergic receptor, alpha 2b (Adra2b), mRNA.	induction	2.088371
NM_007421.1	Adssl1	Mus musculus adenylosuccinate synthetase like 1 (Adssl1), mRNA.	induction	1.235854
NM_007421.1	Adssl1	Mus musculus adenylosuccinate synthetase like 1 (Adssl1), mRNA.	induction	1.310957
NM_134158.1	AF251705	Mus musculus cDNA sequence AF251705 (AF251705), mRNA.	induction	2.2947
NM_016702.2	Agxt	Mus musculus alanine-glyoxylate aminotransferase (Agxt), mRNA.	repression	-3.92528
NM_027907.1	Agxt2l1	Mus musculus alanine-glyoxylate aminotransferase 2-like 1 (Agxt2l1), mRNA.	induction	4.2166
NM_153577.2	AI428936	Mus musculus expressed sequence AI428936 (AI428936), mRNA.	induction	3.66122
NM_001013779.1	Aim2	Mus musculus absent in melanoma 2 (Aim2), mRNA.	repression	-3.61521
NM_001045514.1	Akna	Mus musculus AT-hook transcription factor (Akna), mRNA.	repression	-1.47642
NM_009022.3	Aldh1a2	Mus musculus aldehyde dehydrogenase family 1, subfamily A2 (Aldh1a2), mRNA.	induction	4.669932
NM_153543.1	Aldh1l2	Mus musculus aldehyde dehydrogenase 1 family, member L2 (Aldh1l2), mRNA.	induction	1.306759
NM_144903.2	Aldob	Mus musculus aldolase B, fructose-bisphosphate (Aldob), mRNA.	repression	-5.97993
NM_199035.1	Alg8	Mus musculus asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase) (Alg8), mRNA.	repression	-4.25437
NM_007446.1	Amy1	Mus musculus amylase 1, salivary (Amy1), mRNA.	repression	-1.95026
NM_178642.4	Ano1	Mus musculus anoctamin 1, calcium activated chloride channel (Ano1), mRNA.	repression	-1.36191
NM_207031.1	Ano7	Mus musculus anoctamin 7 (Ano7), mRNA.	repression	-2.14759
NM_021392.3	Ap4m1	Mus musculus adaptor-related protein complex AP-4, mu 1 (Ap4m1), mRNA.	repression	-1.40638
NM_019456.1	Apbb1ip	Mus musculus amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein (Apbb1ip), mRNA.	induction	3.752113
NM_144897.1	Apoa1bp	Mus musculus apolipoprotein A-I binding protein (Apoa1bp), mRNA.	repression	-1.10466
NM_009695.2	Apoc2	Mus musculus apolipoprotein C-II (Apoc2), mRNA.	induction	5.158647
NM_007473.3	Aqp7	Mus musculus aquaporin 7 (Aqp7), mRNA.	repression	-1.85051
NM_008113.3	Arhgdig	Mus musculus Rho GDP dissociation inhibitor (GDI) gamma (Arhgdig), mRNA.	induction	9.746937
NM_172415.2	Arhgef10l	Mus musculus Rho guanine nucleotide exchange factor (GEF) 10-like (Arhgef10l), mRNA.	induction	6.076377
NM_177566.3	Arhgef15	Mus musculus Rho guanine nucleotide exchange factor (GEF) 15	induction	4.808905

		(Arhgef15), mRNA.		
NM_029103.3	Armet	Mus musculus arginine-rich, mutated in early stage tumors (Armet), mRNA.	repression	-4.53104
NM_023142.1	Arpc1b	Mus musculus actin related protein 2/3 complex, subunit 1B (Arpc1b), mRNA.	induction	1.226667
NM_011791.2	Ash2l	Mus musculus ash2 (absent, small, or homeotic)-like (Drosophila) (Ash2l), transcript variant 1, mRNA.	repression	-3.6907
NM_023066.2	Asph	Mus musculus aspartate-beta-hydroxylase (Asph), transcript variant 1, mRNA.	repression	-1.40108
NM_175029.2	Atg4c	Mus musculus autophagy-related 4C (yeast) (Atg4c), mRNA.	induction	3.38773
NM_145387.2	Ath1l	Mus musculus ATH1, acid trehalase-like 1 (yeast) (Ath1l), mRNA.	induction	1.842314
NM_133764.2	Atp6v0e2	Mus musculus ATPase, H+ transporting, lysosomal V0 subunit E2 (Atp6v0e2), mRNA.	induction	1.939274
NM_007508.5	Atp6v1a	Mus musculus ATPase, H+ transporting, lysosomal V1 subunit A (Atp6v1a), mRNA.	induction	1.530609
NM_007511.2	Atp7b	Mus musculus ATPase, Cu++ transporting, beta polypeptide (Atp7b), mRNA.	induction	6.567348
NM_029792.1	B3gat1	Mus musculus beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3gat1), mRNA.	induction	3.434187
NM_022305.3	B4galt1	Mus musculus UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 (B4galt1), mRNA.	repression	-1.18164
NM_019835.2	B4galt5	Mus musculus UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4galt5), mRNA.	induction	3.329753
NM_019517.3	Bace2	Mus musculus beta-site APP-cleaving enzyme 2 (Bace2), mRNA.	repression	-4.04059
NM_133234.1	Bbc3	Mus musculus BCL2 binding component 3 (Bbc3), mRNA.	induction	4.941177
NM_145418.3	BC013529	Mus musculus cDNA sequence BC013529 (BC013529), mRNA.	induction	1.288096
XM_980152.1	BC016423	PREDICTED: Mus musculus cDNA sequence BC016423, transcript variant 2 (BC016423), mRNA.	induction	1.453743
NM_133214.2	BC017612	Mus musculus cDNA sequence BC017612 (BC017612), mRNA.	repression	-1.25052
NM_146159.1	BC023882	Mus musculus cDNA sequence BC023882 (BC023882), mRNA.	induction	2.238829
NM_177649.3	BC034076	Mus musculus cDNA sequence BC034076 (BC034076), mRNA.	induction	1.444194
NM_029815.1	Bcas1	Mus musculus breast carcinoma amplified sequence 1 (Bcas1), mRNA.	induction	2.684804
NM_009739.3	Bckdk	Mus musculus branched chain ketoacid dehydrogenase kinase (Bckdk), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.1828
NM_027208.1	Bdh2	Mus musculus 3-hydroxybutyrate dehydrogenase, type 2 (Bdh2), mRNA.	induction	1.324726
NM_007540.4	Bdnf	Mus musculus brain derived neurotrophic factor (Bdnf), transcript variant 1, mRNA.	repression	-4.4671
NM_031397.2	Bicc1	Mus musculus bicaudal C homolog 1 (Drosophila) (Bicc1), mRNA.	induction	1.239356
NM_028227.2	Brp	Mus musculus BRCA1 associated protein (Brp), mRNA.	induction	2.830471

NM_020508.2	Brd4	Mus musculus bromodomain containing 4 (Brd4), transcript variant 1, mRNA.	repression	-3.25384
NM_020508.2	Brd4	Mus musculus bromodomain containing 4 (Brd4), transcript variant 1, mRNA.	repression	-3.4775
NM_028193.3	Brf1	Mus musculus BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae) (Brf1), mRNA.	repression	-1.24802
NM_133195.2	Brunol4	Mus musculus bruno-like 4, RNA binding protein (Drosophila) (Brunol4), mRNA. XM_919930 XM_919943 XM_919956 XM_919979 XM_919988 XM_920000 XM_920011 XM_920025 XM_920039	induction	6.340529
NM_025840.2	Bzw2	Mus musculus basic leucine zipper and W2 domains 2 (Bzw2), mRNA.	induction	1.141192
NM_177818.2	C130057D23Rik	Mus musculus RIKEN cDNA C130057D23 gene (C130057D23Rik), mRNA.	induction	2.300436
NM_030888.3	C1qtnf3	Mus musculus C1q and tumor necrosis factor related protein 3 (C1qtnf3), mRNA.	induction	7.221043
NM_001001884.1	C230021P08Rik	Mus musculus Riken cDNA C230021P08 gene (C230021P08Rik), mRNA.	induction	2.443505
NM_175427.2	C630035N08Rik	Mus musculus RIKEN cDNA C630035N08 gene (C630035N08Rik), mRNA.	induction	6.337345
NM_133781.3	Cab39	Mus musculus calcium binding protein 39 (Cab39), mRNA.	repression	-4.6192
NM_009781.2	Cacna1c	Mus musculus calcium channel, voltage-dependent, L type, alpha 1C subunit (Cacna1c), mRNA. XM_925104 XM_925108 XM_925111	repression	-1.46594
NM_009781.2	Cacna1c	Mus musculus calcium channel, voltage-dependent, L type, alpha 1C subunit (Cacna1c), mRNA. XM_925104 XM_925108 XM_925111	repression	-1.70201
NM_028500.2	Calr3	Mus musculus calreticulin 3 (Calr3), transcript variant 1, mRNA.	repression	-4.19455
NM_007602.3	Capn5	Mus musculus calpain 5 (Capn5), mRNA.	repression	-1.29758
NM_007607.1	Car4	Mus musculus carbonic anhydrase 4 (Car4), mRNA.	repression	-1.50945
NM_001080126.1	Casp8	Mus musculus caspase 8 (Casp8), transcript variant 2, mRNA.	repression	-1.67182
NM_173047.2	Cbr3	Mus musculus carbonyl reductase 3 (Cbr3), mRNA.	repression	-1.26998
NM_026681.4	Ccdc88c	Mus musculus coiled-coil domain containing 88C (Ccdc88c), mRNA.	repression	-3.53571
NM_145700.1	Ccr1	Mus musculus chemokine (C-C motif) receptor-like 1 (Ccr1), mRNA.	induction	3.23115
NM_010818	Cd200		induction	1.369719
NM_001039149.1	Cd226	Mus musculus CD226 antigen (Cd226), transcript variant 2, mRNA.	induction	4.591034
NM_007642.2	Cd28	Mus musculus CD28 antigen (Cd28), mRNA.	repression	-5.63816
NM_007646.3	Cd38	Mus musculus CD38 antigen (Cd38), mRNA.	induction	5.367832
NM_001039150.1	Cd44	Mus musculus CD44 antigen (Cd44), transcript variant 2, mRNA.	repression	-3.75439
NM_007653.3	Cd63	Mus musculus CD63 antigen (Cd63), transcript variant 2, mRNA.	repression	-1.35758



NM_172587.2	Cdc14b	Mus musculus CDC14 cell division cycle 14 homolog B ( <i>S. cerevisiae</i> ) (Cdc14b), mRNA.	induction	1.300399
NM_025950.2	Cdc3711	Mus musculus cell division cycle 37 homolog ( <i>S. cerevisiae</i> )-like 1 (Cdc3711), mRNA.	induction	1.504572
NM_007669.3	Cdkn1a	Mus musculus cyclin-dependent kinase inhibitor 1A (P21) (Cdkn1a), mRNA.	induction	1.568352
NM_007671.2	Cdkn2c	Mus musculus cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (Cdkn2c), mRNA.	repression	-1.44101
NM_009880.2	Cdx1	Mus musculus caudal type homeo box 1 (Cdx1), mRNA.	repression	-4.7149
NM_144815.2	Cecr5	Mus musculus cat eye syndrome chromosome region, candidate 5 homolog (human) (Cecr5), mRNA.	induction	3.020014
NM_025495.1	Cenpp	Mus musculus centromere protein P (Cenpp), mRNA.	repression	-1.26006
XM_981952.1	Cep110	PREDICTED: Mus musculus centrosomal protein 110 (Cep110), mRNA.	induction	4.89387
NM_203491.1	Chrm2	Mus musculus cholinergic receptor, muscarinic 2, cardiac (Chrm2), mRNA.	induction	1.978903
NM_015730.4	Chrna4	Mus musculus cholinergic receptor, nicotinic, alpha polypeptide 4 (Chrna4), mRNA.	induction	2.08186
NM_018777.2	Cldn6	Mus musculus claudin 6 (Cldn6), mRNA.	induction	4.258369
NM_020293.2	Cldn9	Mus musculus claudin 9 (Cldn9), mRNA.	induction	1.777833
NM_153506.3	Clec2e	Mus musculus C-type lectin domain family 2, member e (Clec2e), mRNA.	induction	6.087226
NM_010819.3	Clec4d	Mus musculus C-type lectin domain family 4, member d (Clec4d), mRNA.	repression	-3.40622
NM_172732.2	Clec9a	Mus musculus C-type lectin domain family 9, member a (Clec9a), mRNA.	repression	-7.77104
NM_019948.1	Clecsf9		repression	-8.50193
NM_007713.3	Clk3	Mus musculus CDC-like kinase 3 (Clk3), mRNA.	repression	-1.2373
NM_007715.5	Clock	Mus musculus circadian locomoter output cycles kaput (Clock), mRNA.	repression	-1.1503
NM_009918.1	Cnga3	Mus musculus cyclic nucleotide gated channel alpha 3 (Cnga3), mRNA.	repression	-3.33762
NM_028082.1	Cnot2	Mus musculus CCR4-NOT transcription complex, subunit 2 (Cnot2), transcript variant 3, mRNA.	repression	-1.2773
NM_016782.2	Cntnap1	Mus musculus contactin associated protein-like 1 (Cntnap1), mRNA.	induction	5.140672
NM_027896.4	Coasy	Mus musculus Coenzyme A synthase (Coasy), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.33008
NM_172496.2	Cobl	Mus musculus cordon-bleu (Cobl), mRNA.	induction	7.484085
NM_009926.1	Col11a2	Mus musculus collagen, type XI, alpha 2 (Col11a2), mRNA.	induction	4.864747
NM_181277.2	Col14a1	Mus musculus collagen, type XIV, alpha 1 (Col14a1), mRNA.	induction	1.692125
NM_009931.1	Col4a1	Mus musculus procollagen, type IV, alpha 1 (Col4a1), mRNA.	induction	1.26898
NM_007737.2	Col5a2	Mus musculus collagen, type V, alpha 2 (Col5a2), mRNA.	induction	7.110158
NM_007740.2	Col9a1	Mus musculus collagen, type IX, alpha 1 (Col9a1), mRNA.	induction	5.023568
NM_016685.1	Comp	Mus musculus cartilage oligomeric	induction	1.377543

		matrix protein (Comp), mRNA.		
NM_009898.2	Coro1a	Mus musculus coronin, actin binding protein 1A (Coro1a), mRNA.	induction	1.473685
NM_153507.2	Cpne2	Mus musculus copine II (Cpne2), mRNA.	induction	1.753603
NM_021449.2	Crbn	Mus musculus cereblon (Crbn), transcript variant 1, mRNA.	repression	-1.17351
NM_013498.1	Crem	Mus musculus cAMP responsive element modulator (Crem), mRNA.	repression	-3.93641
NM_015800.2	Crim1	Mus musculus cysteine rich transmembrane BMP regulator 1 (chordin like) (Crim1), mRNA.	repression	-1.19257
NM_173863.2	Crtc3	Mus musculus CREB regulated transcription coactivator 3 (Crtc3), mRNA.	induction	1.226006
NM_001033638.1	Crxos1	Mus musculus Crx opposite strand transcript 1 (Crxos1), mRNA.	induction	7.525637
NM_030004.2	Cryl1	Mus musculus crystallin, lambda 1 (Cryl1), mRNA.	repression	-1.35195
NM_027945.1	Csl	Mus musculus citrate synthase like (Csl), mRNA.	induction	1.437527
NM_021405.2	Cst10	Mus musculus cystatin 10 (chondrocytes) (Cst10), mRNA.	induction	6.409717
NM_001004367.2	Cxxc4	Mus musculus CXXC finger 4 (Cxxc4), mRNA.	repression	-4.11259
NM_007808.3	Cycs	Mus musculus cytochrome c, somatic (Cycs), mRNA.	induction	1.614299
NM_133769.2	Cyfip2	Mus musculus cytoplasmic FMR1 interacting protein 2 (Cyfip2), mRNA.	induction	1.31783
NM_030013.2	Cyp20a1	Mus musculus cytochrome P450, family 20, subfamily A, polypeptide 1 (Cyp20a1), mRNA.	repression	-1.97652
NM_009996.2	Cyp24a1		repression	-1.99418
NM_010000.2	Cyp2b9	Mus musculus cytochrome P450, family 2, subfamily b, polypeptide 9 (Cyp2b9), mRNA.	induction	5.526331
NM_053078.3	D0H4S114	Mus musculus DNA segment, human D4S114 (D0H4S114), mRNA.	induction	1.249334
NM_001013379.2	D10627	Mus musculus cDNA sequence D10627 (D10627), mRNA.	induction	1.519086
NM_029648.3	D19ErtD737e	Mus musculus DNA segment, Chr 19, ERATO Doi 737, expressed (D19ErtD737e), mRNA.	induction	2.464841
NM_033077.2	D1Pas1	Mus musculus DNA segment, Chr 1, Pasteur Institute 1 (D1Pas1), mRNA.	induction	1.998827
NM_178724.2	D230010M03Rik	Mus musculus RIKEN cDNA D230010M03 gene (D230010M03Rik), mRNA.	induction	3.26703
NM_001081022.1	D430042O09Rik	Mus musculus RIKEN cDNA D430042O09 gene (D430042O09Rik), mRNA.	repression	-1.41197
NM_177135.2	D830030K20Rik	Mus musculus RIKEN cDNA D830030K20 gene (D830030K20Rik), mRNA.	repression	-1.57161
NM_026378.3	Dalrd3	Mus musculus DALR anticodon binding domain containing 3 (Dalrd3), mRNA.	repression	-1.37187
NM_134062.1	Dapk1	Mus musculus death associated protein kinase 1 (Dapk1), transcript variant 2, mRNA.	repression	-1.30951
NM_010031.2	Defa1	Mus musculus defensin, alpha 1 (Defa1), mRNA.	induction	6.868286
NM_139225.1	Defb10	Mus musculus defensin beta 10 (Defb10), mRNA.	repression	-4.37691
NM_021428.4	Dexi	Mus musculus dexamethasone-induced transcript (Dexi), mRNA.	repression	-1.19507
NM_138650.1	Dgkg	Mus musculus diacylglycerol kinase, gamma (Dgkg), mRNA.	repression	-1.81856

NM_010049.3	Dhfr	Mus musculus dihydrofolate reductase (Dhfr), mRNA.	repression	-4.60347
NM_001039514.1	Dhps	Mus musculus deoxyhypusine synthase (Dhps), mRNA.	repression	-1.28378
NM_027790.1	Dhrs2	Mus musculus dehydrogenase/reductase member 2 (Dhrs2), mRNA.	induction	4.71599
NM_172594.2	Dhx29	Mus musculus DEAH (Asp-Glu-Ala-His) box polypeptide 29 (Dhx29), mRNA.	repression	-1.41105
NM_007865.2	Dll1	Mus musculus delta-like 1 (Drosophila) (Dll1), mRNA.	induction	1.405459
NM_172899.2	Dmkn	Mus musculus dermokine (Dmkn), transcript variant 2, mRNA.	induction	4.335472
NM_010058.1	Dmwd	Mus musculus dystrophia myotonica-containing WD repeat motif (Dmwd), mRNA.	repression	-1.23478
NM_023646.3	Dnaja3	Mus musculus DnaJ (Hsp40) homolog, subfamily A, member 3 (Dnaja3), mRNA.	repression	-1.23409
NM_023646.3	Dnaja3	Mus musculus DnaJ (Hsp40) homolog, subfamily A, member 3 (Dnaja3), mRNA.	repression	-4.81868
NM_172704.2	Dnajc11	Mus musculus DnaJ (Hsp40) homolog, subfamily C, member 11 (Dnajc11), mRNA.	repression	-3.76508
NM_153413.2	Dock3	Mus musculus dedicator of cytokinesis 3 (Dock3), mRNA.	repression	-4.82875
NM_028785.3	Dock8	Mus musculus dedicator of cytokinesis 8 (Dock8), mRNA.	induction	1.499161
NM_020329.3	Dolpp1	Mus musculus dolichyl pyrophosphate phosphatase 1 (Dolpp1), mRNA.	repression	-1.96793
NM_015761.1	Dos	Mus musculus downstream of Stk11 (Dos), mRNA.	induction	2.729667
NM_026344.3	Dph2	Mus musculus DPH2 homolog (S. cerevisiae) (Dph2), mRNA.	repression	-3.58632
NM_011993.2	Dpysl4	Mus musculus dihydropyrimidinase-like 4 (Dpysl4), mRNA.	induction	6.334981
NM_181682.1	Dsg1b	Mus musculus desmoglein 1 beta (Dsg1b), mRNA.	induction	2.18976
NM_207650.3	Dtna	Mus musculus dystrobrevin alpha (Dtna), transcript variant 1, mRNA.	repression	-2.68019
NM_010089.3	Dub2	Mus musculus deubiquitinating enzyme 2 (Dub2), mRNA.	induction	4.117812
NM_010091.2	Dvl1		induction	1.222706
NM_001081756.1	E030049G20Rik	Mus musculus RIKEN cDNA E030049G20 gene (E030049G20Rik), transcript variant 1, mRNA.	induction	5.488727
NM_172726.3	E130309D02Rik	Mus musculus RIKEN cDNA E130309D02 gene (E130309D02Rik), mRNA.	repression	-3.21128
NM_028932.3	Eaf1	Mus musculus ELL associated factor 1 (Eaf1), mRNA.	repression	-3.95473
NM_007899.1	Ecm1	Mus musculus extracellular matrix protein 1 (Ecm1), mRNA.	induction	1.598377
NM_207241.1	EG237009	Mus musculus predicted gene, EG237009 (EG237009), mRNA.	induction	2.721187
NM_177810.2	EG328264	Mus musculus predicted gene, EG328264 (EG328264), mRNA.	induction	6.893631
NR_002869.1	EG432986	Mus musculus predicted gene, EG432986 (EG432986), non-coding RNA.	repression	-8.22167
NM_178748.5	Egflam	Mus musculus EGF-like, fibronectin type III and laminin G domains (Egflam), mRNA.	repression	-4.65337
NM_007913.5	Egr1	Mus musculus early growth response	induction	1.397899

		1 (Egr1), mRNA.		
NM_172265.1	Eif2b5	Mus musculus eukaryotic translation initiation factor 2B, subunit 5 epsilon (Eif2b5), mRNA.	repression	-1.15943
NM_138669.1	Eif4a3	Mus musculus eukaryotic translation initiation factor 4A, isoform 3 (Eif4a3), mRNA.	repression	-1.06089
NM_007923.1	Elk4	Mus musculus ELK4, member of ETS oncogene family (Elk4), mRNA.	induction	3.792088
NM_144917.4	Elmod3	Mus musculus ELMO/CED-12 domain containing 3 (Elmod3), mRNA.	repression	-2.2064
NM_013813.1	Epb4.1l3	Mus musculus erythrocyte protein band 4.1-like 3 (Epb4.1l3), mRNA.	induction	1.653402
NM_027497.2	Epc1	Mus musculus enhancer of polycomb homolog 1 (Drosophila) (Epc1), transcript variant 2, mRNA.	induction	3.400297
NM_013848.1	Ermap	Mus musculus erythroblast membrane-associated protein (Ermap), mRNA.	repression	-2.41636
NM_016903.4	Esd	Mus musculus esterase D/formylglutathione hydrolase (Esd), mRNA.	induction	2.520722
NM_011809.2	Ets2	Mus musculus E26 avian leukemia oncogene 2, 3' domain (Ets2), mRNA.	repression	-1.21008
NM_027698.4	Exod1	Mus musculus exonuclease domain containing 1 (Exod1), mRNA.	repression	-5.97321
NM_001081188.1	Exosc7	Mus musculus exosome component 7 (Exosc7), mRNA.	repression	-1.23259
NM_018788.2	Extl3	Mus musculus exostosins (multiple)-like 3 (Extl3), mRNA.	repression	-2.14902
NM_007974.2	F2r1	Mus musculus coagulation factor II (thrombin) receptor-like 1 (F2r1), mRNA.	repression	-3.77341
NM_021272.2	Fabp7		induction	4.026491
NM_024203.3	Fam120b	Mus musculus family with sequence similarity 120, member B (Fam120b), mRNA.	induction	1.219691
NM_007988.3	Fasn	Mus musculus fatty acid synthase (Fasn), mRNA.	repression	-3.90454
NM_177244.3	Fastkd1	Mus musculus FAST kinase domains 1 (Fastkd1), mRNA.	repression	-1.23275
NM_013911.2	Fbxl12	Mus musculus F-box and leucine-rich repeat protein 12 (Fbxl12), transcript variant 1, mRNA.	repression	-1.386
NM_133765.2	Fbxo31	Mus musculus F-box protein 31 (Fbxo31), mRNA.	repression	-1.29424
NM_025386.2	Fbxo36	Mus musculus F-box protein 36 (Fbxo36), mRNA.	repression	-3.52347
NM_010193.3	Fem1b	Mus musculus feminization 1 homolog b (C. elegans) (Fem1b), mRNA.	repression	-1.12922
NM_183171.1	Fez1	Mus musculus fasciculation and elongation protein zeta 1 (zygin I) (Fez1), mRNA.	repression	-1.38079
NM_053072.2	Fgd6	Mus musculus FYVE, RhoGEF and PH domain containing 6 (Fgd6), mRNA.	induction	1.176495
NM_177699.2	Fhod1	Mus musculus formin homology 2 domain containing 1 (Fhod1), mRNA.	repression	-1.59244
NM_010220.2	Fkbp5	Mus musculus FK506 binding protein 5 (Fkbp5), mRNA.	repression	-1.99081
NM_010231.2	Fmo1	Mus musculus flavin containing monooxygenase 1 (Fmo1), mRNA.	repression	-1.18016
NM_010232.3	Fmo5	Mus musculus flavin containing monooxygenase 5 (Fmo5), mRNA.	repression	-1.61777
NM_018828.2	Fnbp4	Mus musculus formin binding protein	induction	4.015383

		4 (Fnbp4), mRNA.		
NM_054039.1	Foxp3	Mus musculus forkhead box P3 (Foxp3), mRNA.	induction	1.47374
NM_001017983.1	Foxred2	Mus musculus FAD-dependent oxidoreductase domain containing 2 (Foxred2), mRNA.	induction	5.226151
NM_011356.4	Frzb	Mus musculus frizzled-related protein (Frzb), mRNA.	repression	-1.69033
NM_022007.1	Fxyd7	Mus musculus FXYD domain-containing ion transport regulator 7 (Fxyd7), mRNA.	induction	4.574082
NM_013716.2	G3bp1	Mus musculus Ras-GTPase-activating protein SH3-domain binding protein 1 (G3bp1), mRNA.	repression	-1.35144
NM_021356.2	Gab1	Mus musculus growth factor receptor bound protein 2-associated protein 1 (Gab1), mRNA.	repression	-1.10215
NM_029885.1	Gabpb2	Mus musculus GA repeat binding protein, beta 2 (Gabpb2), transcript variant 1, mRNA.	induction	3.94905
NM_008072.1	Gabrd	Mus musculus gamma-aminobutyric acid (GABA-A) receptor, subunit delta (Gabrd), mRNA.	induction	4.468027
NM_146017.3	Gabrp	Mus musculus gamma-aminobutyric acid (GABA-A) receptor, pi (Gabrp), mRNA.	induction	6.050682
NM_025709.2	Gapvd1	Mus musculus GTPase activating protein and VPS9 domains 1 (Gapvd1), mRNA.	repression	-1.2852
NM_030719.3	Gats	Mus musculus opposite strand transcription unit to Stag3 (Gats), mRNA.	induction	1.198658
NM_177367.2	Gemin4	Mus musculus gem (nuclear organelle) associated protein 4 (Gemin4), mRNA.	repression	-1.60829
NM_010285.2	Ghrh	Mus musculus growth hormone releasing hormone (Ghrh), mRNA.	induction	4.078378
NM_174990.3	Gimap4	Mus musculus GTPase, IMAP family member 4 (Gimap4), transcript variant 1, mRNA.	repression	-2.73977
NM_031184.3	Glis2	Mus musculus GLIS family zinc finger 2 (Glis2), mRNA.	induction	4.333859
NM_001033302.1	Gm129	Mus musculus gene model 129, (NCBI) (Gm129), mRNA. XM_907670 XM_920513 XM_920520 XM_920527 XM_920533	repression	-1.2969
NM_001005422.1	Gm1574	Mus musculus gene model 1574, (NCBI) (Gm1574), mRNA.	repression	-5.6851
NM_001033403.1	Gm1968	Mus musculus gene model 1968, (NCBI) (Gm1968), mRNA.	induction	3.646516
NM_001033404.2	Gm813	Mus musculus gene model 813, (NCBI) (Gm813), mRNA.	induction	1.557748
NM_011818.2	Gmcl1	Mus musculus germ cell-less homolog 1 (Drosophila) (Gmcl1), mRNA.	repression	-1.24484
NM_001039192.1	Gmfg	Mus musculus glia maturation factor, gamma (Gmfg), transcript variant 2, mRNA.	repression	-4.44232
NM_010301.1	Gna11		induction	1.45811
NM_008141.2	Gnat2	Mus musculus guanine nucleotide binding protein, alpha transducing 2 (Gnat2), mRNA.	repression	-9.38813
NM_001038015.1	Gnpda2	Mus musculus glucosamine-6-phosphate deaminase 2 (Gnpda2), mRNA.	induction	1.427745
NM_010325.2	Got2	Mus musculus glutamate oxaloacetate transaminase 2,	repression	-1.13597

		mitochondrial (Got2), nuclear gene encoding mitochondrial protein, mRNA.		
NM_172876.2	Gpatch3	Mus musculus G patch domain containing 3 (Gpatch3), mRNA.	induction	2.904319
NM_007412.2	Gpr182	Mus musculus G protein-coupled receptor 182 (Gpr182), mRNA.	repression	-1.68732
NM_175470.3	Gpr61	Mus musculus G protein-coupled receptor 61 (Gpr61), mRNA.	induction	9.955912
NM_145370.1	Gps1	Mus musculus G protein pathway suppressor 1 (Gps1), mRNA.	repression	-3.41761
NM_153410.2	Gpsm1	Mus musculus G-protein signalling modulator 1 (AGS3-like, <i>C. elegans</i> ) (Gpsm1), mRNA.	repression	-1.3223
NM_011825.1	Grem2	Mus musculus gremlin 2 homolog, cysteine knot superfamily ( <i>Xenopus laevis</i> ) (Grem2), mRNA.	induction	2.028484
NM_008169.1	Grin1	Mus musculus glutamate receptor, ionotropic, NMDA1 (zeta 1) (Grin1), mRNA.	induction	3.120982
NM_008180.1	Gss	Mus musculus glutathione synthetase (Gss), mRNA.	repression	-1.32317
NM_010358.4	Gstm1	Mus musculus glutathione S-transferase, mu 1 (Gstm1), mRNA.	repression	-1.38687
NM_008183.2	Gstm2	Mus musculus glutathione S-transferase, mu 2 (Gstm2), mRNA.	repression	-1.55646
NM_010363.3	Gstz1	Mus musculus glutathione transferase zeta 1 (maleylacetoacetate isomerase) (Gstz1), mRNA.	repression	-1.25456
NM_008190.1	Guca2a	Mus musculus guanylate cyclase activator 2a (guanylin) (Guca2a), mRNA.	induction	2.657497
NM_030678.3	Gys1	Mus musculus glycogen synthase 1, muscle (Gys1), mRNA.	repression	-1.66235
NM_173371.3	H6pd	Mus musculus hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6pd), mRNA.	repression	-1.21425
NM_019986	Habp4		induction	2.27655
NM_177900.4	Hapln4	Mus musculus hyaluronan and proteoglycan link protein 4 (Hapln4), mRNA.	induction	3.0567
NM_011827.2	Hcst	Mus musculus hematopoietic cell signal transducer (Hcst), mRNA.	induction	1.28849
NM_008232.1	Hdgfl1	Mus musculus hepatoma derived growth factor-like 1 (Hdgfl1), mRNA.	induction	4.028272
NM_026108.2	Hdhd1a	Mus musculus haloacid dehalogenase-like hydrolase domain (Hdhd1a), mRNA.	repression	-3.64849
NM_013546.2	Hebp1	Mus musculus heme binding protein 1 (Hebp1), mRNA.	repression	-1.32137
NM_026101.2	Herc4	Mus musculus hect domain and RLD 4 (Herc4), mRNA.	induction	1.206677
NM_010419.4	Hes5	Mus musculus hairy and enhancer of split 5 ( <i>Drosophila</i> ) (Hes5), mRNA.	induction	3.569286
NM_010420.1	Hesx1	Mus musculus homeo box gene expressed in ES cells (Hesx1), mRNA.	repression	-2.98661
NM_027126.2	Hfe2	Mus musculus hemochromatosis type 2 (juvenile) (human homolog) (Hfe2), mRNA.	induction	1.639743
NM_144881.2	Hhat	Mus musculus hedgehog acyltransferase (Hhat), mRNA.	induction	2.656831
NM_010435.1	Hira		repression	-1.58278
NM_175665.1	Hist1h2bk	Mus musculus histone cluster 1, H2bk (Hist1h2bk), mRNA.	induction	1.285991
NM_206882.1	Hist3h2bb	Mus musculus histone cluster 3, H2bb (Hist3h2bb), mRNA.	repression	-2.91392

NM_010439.3	Hmgb1	Mus musculus high mobility group box 1 (Hmgb1), mRNA.	repression	-3
NM_008256.3	Hmgcs2	Mus musculus 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (Hmgcs2), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.99054
NM_026122.3	Hmgn3	Mus musculus high mobility group nucleosomal binding domain 3 (Hmgn3), transcript variant 1, mRNA.	induction	1.14009
NM_010458.2	Hoxb3	Mus musculus homeo box B3 (Hoxb3), transcript variant 2, mRNA.	repression	-4.08946
NM_010470.1	Hp1bp3	Mus musculus heterochromatin protein 1, binding protein 3 (Hp1bp3), mRNA.	repression	-1.06021
NM_021877.2	Hr	Mus musculus hairless (Hr), mRNA.	repression	-1.72837
NM_001002012.1	Hspa2	Mus musculus heat shock protein 2 (Hspa2), transcript variant 2, mRNA.	induction	1.250415
NM_008318.1	lbsp	Mus musculus integrin binding sialoprotein (lbsp), mRNA.	induction	3.012645
NM_008318.1	lbsp	Mus musculus integrin binding sialoprotein (lbsp), mRNA.	induction	5.23682
NM_173011.1	ldh2	Mus musculus isocitrate dehydrogenase 2 (NADP+), mitochondrial (ldh2), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.13405
NM_172648.3	lfi205	Mus musculus interferon activated gene 205 (lfi205), mRNA.	repression	-3.97919
NM_177361.2	lfna12	Mus musculus interferon alpha 12 (lfna12), mRNA.	repression	-7.21424
NM_009879.2	lft81	Mus musculus intraflagellar transport 81 homolog (Chlamydomonas) (lft81), mRNA.	repression	-1.31708
NM_018741.1	lgfbp1	Mus musculus insulin-like growth factor binding protein-like 1 (lgfbp1), mRNA.	induction	4.141034
NM_011879.1	lk	Mus musculus IK cytokine (lk), mRNA.	repression	-1.30202
NM_001025597.1	lkzf1	Mus musculus IKAROS family zinc finger 1 (lkzf1), transcript variant 1, mRNA.	repression	-3.89923
NM_010552.3	ll17a	Mus musculus interleukin 17A (ll17a), mRNA.	induction	4.575752
NM_173751.3	llvbl	Mus musculus ilvB (bacterial acetolactate synthase)-like (llvbl), mRNA.	repression	-1.27319
NM_133345.2	lng4	Mus musculus inhibitor of growth family, member 4 (lng4), mRNA.	repression	-1.2251
NM_009349.1	lnmt	Mus musculus indolethylamine N-methyltransferase (lnmt), mRNA.	repression	-2.75463
NM_033134.2	lnpp5e	Mus musculus inositol polyphosphate-5-phosphatase E (lnpp5e), mRNA.	repression	-1.31821
NM_010567.1	lnpp1	Mus musculus inositol polyphosphate phosphatase-like 1 (lnpp1), mRNA.	repression	-1.14757
NM_010569.2	lnvs		repression	-3.846
NM_016849.3	lrf3	Mus musculus interferon regulatory factor 3 (lrf3), mRNA.	induction	1.200197
NM_027397.3	lsl2	Mus musculus insulin related protein 2 (islet 2) (lsl2), mRNA.	repression	-4.31131
NM_010575.1	ltga2b	Mus musculus integrin alpha 2b (ltga2b), mRNA.	repression	-4.28597
NM_019826.3	lvd	Mus musculus isovaleryl coenzyme A dehydrogenase (lvd), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.32428
NM_030697.2	Kank3	Mus musculus KN motif and ankyrin repeat domains 3 (Kank3), mRNA.	repression	-1.41873

NM_001081140.1	Kcna10	Mus musculus potassium voltage-gated channel, shaker-related subfamily, member 10 (Kcna10), mRNA.	induction	4.723537
NM_021275.3	Kcna4	Mus musculus potassium voltage-gated channel, shaker-related subfamily, member 4 (Kcna4), mRNA.	induction	1.985084
NM_013568.4	Kcna6	Mus musculus potassium voltage-gated channel, shaker-related, subfamily, member 6 (Kcna6), mRNA.	induction	4.566103
NM_027398.2	Kcnp1	Mus musculus Kv channel-interacting protein 1 (Kcnp1), mRNA.	repression	-4.03004
NM_145963.1	Kcnj14	Mus musculus potassium inwardly-rectifying channel, subfamily J, member 14 (Kcnj14), mRNA.	repression	-5.83606
NM_001025585.2	Kcnj6	Mus musculus potassium inwardly-rectifying channel, subfamily J, member 6 (Kcnj6), transcript variant Girk2B, mRNA.	repression	-5.48343
NM_001030292.1	Kcnk15	Mus musculus potassium channel, subfamily K, member 15 (Kcnk15), mRNA.	repression	-3.6046
NM_021542.4	Kcnk5	Mus musculus potassium channel, subfamily K, member 5 (Kcnk5), mRNA.	repression	-1.88043
NM_183179.1	Kcnv2	Mus musculus potassium channel, subfamily V, member 2 (Kcnv2), mRNA.	repression	-2.34555
NM_010612.2	Kdr	Mus musculus kinase insert domain protein receptor (Kdr), mRNA.	repression	-8.66373
NM_016679.2	Keap1	Mus musculus kelch-like ECH-associated protein 1 (Keap1), mRNA.	repression	-1.24961
NM_001025360.2	Klc1	Mus musculus kinesin light chain 1 (Klc1), transcript variant d, mRNA. XM_992298	induction	1.262911
NM_145605.1	Klhdc4	Mus musculus kelch domain containing 4 (Klhdc4), mRNA.	induction	2.838038
NM_027551.2	Klhl30	Mus musculus kelch-like 30 (Drosophila) (Klhl30), mRNA.	induction	1.114172
NM_133712.2	Klk10	Mus musculus kallikrein related-peptidase 10 (Klk10), mRNA.	repression	-1.6281
NM_008455.1	Klkb1	Mus musculus kallikrein B, plasma 1 (Klkb1), mRNA.	induction	3.098369
NM_010661.2	Krt12	Mus musculus keratin 12 (Krt12), mRNA.	repression	-4.78328
NM_133357.1	Krt75	Mus musculus keratin 75 (Krt75), mRNA.	induction	6.488473
NM_025410.2	Lage3	Mus musculus L antigen family, member 3 (Lage3), mRNA.	repression	-1.22377
NM_173414.2	Lancl3	Mus musculus LanC lantibiotic synthetase component C-like 3 (bacterial) (Lancl3), mRNA.	induction	7.848807
NM_172842.2	Lax1	Mus musculus lymphocyte transmembrane adaptor 1 (Lax1), mRNA.	repression	-2.78744
NM_134093.1	Letmd1	Mus musculus LETM1 domain containing 1 (Letmd1), mRNA.	repression	-1.38412
NM_145833.1	Lin28	Mus musculus lin-28 homolog (C. elegans) (Lin28), mRNA.	induction	2.2779
NM_011698.1	Lin7b	Mus musculus lin-7 homolog B (C. elegans) (Lin7b), mRNA.	repression	-5.93338
NM_021460.1	Lip1		induction	1.308373
NM_008502.1	Llgl1	Mus musculus lethal giant larvae homolog 1 (Drosophila) (Llgl1), mRNA.	repression	-1.33024
XM_001476109.1	LOC100041290	PREDICTED: Mus musculus	induction	7.377861



		hypothetical protein LOC100041290 (LOC100041290), mRNA.		
XR_034194.1	LOC100044087	PREDICTED: Mus musculus similar to brain protein 44 (LOC100044087), misc RNA.	induction	1.297544
XR_030993.1	LOC100044779	PREDICTED: Mus musculus similar to prothymosin alpha (LOC100044779), misc RNA.	induction	1.301446
XR_031252.1	LOC100045002	PREDICTED: Mus musculus similar to ataxin-7 (LOC100045002), misc RNA.	induction	4.61645
XR_031850.1	LOC100045628	PREDICTED: Mus musculus similar to X-linked PEST-containing transporter (LOC100045628), misc RNA.	induction	1.401805
XM_001476585.1	LOC100046355	PREDICTED: Mus musculus similar to Collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase, transcript variant 1 (LOC100046355), mRNA.	repression	-5.241
XM_001476879.1	LOC100046841	PREDICTED: Mus musculus similar to RP42 (LOC100046841), mRNA.	induction	1.333546
XM_001479337.1	LOC100047810	PREDICTED: Mus musculus similar to transmembrane emp24 protein transport domain containing 6 (LOC100047810), mRNA.	induction	2.180545
XM_001471973.1	LOC100048816	PREDICTED: Mus musculus similar to Brain-specific angiogenesis inhibitor 2 (LOC100048816), mRNA.	repression	-3.88859
XM_001472990.1	LOC100048858	PREDICTED: Mus musculus similar to Ribosomal protein S6 kinase, polypeptide 2 (LOC100048858), mRNA.	repression	-1.33061
XM_354986.1	LOC381066		induction	1.567931
NM_001034887.1	LOC433416	Mus musculus similar to cis-Golgi matrix protein GM130 (LOC433416), mRNA.	induction	5.40726
NM_001007590.2	LOC433886	Mus musculus hypothetical gene supported by AK049058; BC025881 (LOC433886), mRNA.	repression	-2.13954
NM_001025085.1	LOC545013	Mus musculus hypothetical protein LOC545013 (LOC545013), mRNA.	induction	3.61226
XR_002451.1	LOC669251	PREDICTED: Mus musculus similar to CD2-associated protein (Mesenchym-to-epithelium transition protein with SH3 domains 1) (METS-1) (LOC669251), mRNA.	induction	5.860096
NM_172266.2	Lpgat1	Mus musculus lysophosphatidylglycerol acyltransferase 1 (Lpgat1), mRNA.	induction	1.468197
NM_177725.2	Lrrc8		repression	-1.4239
NM_178701.2	Lrrc8d	Mus musculus leucine rich repeat containing 8D (Lrrc8d), mRNA.	repression	-1.26638
NM_026668.2	Lrriq4	Mus musculus leucine-rich repeats and IQ motif containing 4 (Lrriq4), mRNA.	repression	-2.04179
NM_133939.1	Lsm8	Mus musculus LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm8), mRNA.	repression	-1.21362
NM_017405.1	Lsr	Mus musculus lipolysis stimulated lipoprotein receptor (Lsr), mRNA.	induction	3.310709
NM_010738.2	Ly6a	Mus musculus lymphocyte antigen 6 complex, locus A (Ly6a), mRNA.	repression	-1.16869
NM_033478.2	Ly6g6d	Mus musculus lymphocyte antigen 6 complex, locus G6D (Ly6g6d), mRNA.	induction	3.752964
NM_177139.3	Lypd6	Mus musculus LY6/PLAUR domain containing 6 (Lypd6), mRNA.	induction	6.869585
NM_008866.2	Lypla1	Mus musculus lysophospholipase 1	induction	1.450383

		(Lypla1), mRNA.		
NM_145527.3	Madd	Mus musculus MAP-kinase activating death domain (Madd), mRNA.	repression	-2.45134
NM_020016.1	Magea2	Mus musculus melanoma antigen, family A, 2 (Magea2), mRNA.	induction	1.838267
NM_001029850.2	Magi1	Mus musculus membrane associated guanylate kinase, WW and PDZ domain containing 1 (Magi1), transcript variant 3, mRNA.	repression	-1.79167
NM_010764.2	Man2b1	Mus musculus mannosidase 2, alpha B1 (Man2b1), mRNA.	repression	-1.11044
NM_025735.1	Map1lc3a	Mus musculus microtubule-associated protein 1 light chain 3 alpha (Map1lc3a), mRNA.	induction	1.340877
NM_153058.3	Mapre2	Mus musculus microtubule-associated protein, RP/EB family, member 2 (Mapre2), mRNA.	induction	1.119263
NM_172279.1	Mark4	Mus musculus MAP/microtubule affinity-regulating kinase 4 (Mark4), mRNA.	induction	2.092209
NM_008641.2	Mast2	Mus musculus microtubule associated serine/threonine kinase 2 (Mast2), transcript variant 2, mRNA.	repression	-1.28751
NM_016766.2	Mcrs1	Mus musculus microspherule protein 1 (Mcrs1), mRNA.	induction	1.326371
NM_020000.2	Med8	Mus musculus mediator of RNA polymerase II transcription, subunit 8 homolog (yeast) (Med8), transcript variant 1, mRNA.	induction	1.212121
NM_008590.1	Mest	Mus musculus mesoderm specific transcript (Mest), mRNA.	induction	3.469375
NM_008590.1	Mest	Mus musculus mesoderm specific transcript (Mest), mRNA.	induction	1.614595
NM_015776.2	Mfap5	Mus musculus microfibrillar associated protein 5 (Mfap5), mRNA.	induction	1.244027
NM_145128.3	Mgat5	Mus musculus mannoside acetylglucosaminyltransferase 5 (Mgat5), mRNA.	repression	-5.14067
NM_207229	MGC41689		induction	1.24649
NM_019946.3	Mgst1	Mus musculus microsomal glutathione S-transferase 1 (Mgst1), mRNA.	repression	-1.49309
NM_010797.1	Mid1		induction	9.581934
NM_010804.3	Milt10	Mus musculus myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10 (Milt10), mRNA.	induction	4.004354
NM_053015.2	Mlph	Mus musculus melanophilin (Mlph), mRNA.	repression	-3.51243
NM_029956.3	Mmab	Mus musculus methylmalonic aciduria (cobalamin deficiency) type B homolog (human) (Mmab), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.2747
NM_019471.2	Mmp10	Mus musculus matrix metalloproteinase 10 (Mmp10), mRNA.	induction	2.8356
NM_013826.2	Mocs2	Mus musculus molybdenum cofactor synthesis 2 (Mocs2), mRNA.	induction	1.277862
NM_153101	Mrgpra2		induction	1.641654
NM_153101.1	Mrgpra2	Mus musculus MAS-related GPR, member A2 (Mrgpra2), mRNA.	induction	1.732994
NM_026246.3	Mrpl49	Mus musculus mitochondrial ribosomal protein L49 (Mrpl49), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.58303
NM_025595.3	Mrpl51	Mus musculus mitochondrial ribosomal protein L51 (Mrpl51),	repression	-1.15465

		nuclear gene encoding mitochondrial protein, mRNA.		
NM_020560.1	Mrps31	Mus musculus mitochondrial ribosomal protein S31 (Mrps31), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.12143
NM_026422.1	Mrrf	Mus musculus mitochondrial ribosome recycling factor (Mrrf), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.21856
NM_001013389.1	Mrs2	Mus musculus MRS2 magnesium homeostasis factor homolog (S. cerevisiae) (Mrs2), mRNA.	repression	-1.74015
NM_020597.2	Msemb	Mus musculus beta-microseminoprotein (Msemb), mRNA.	induction	3.047036
NM_030707.1	Msr2	Mus musculus macrophage scavenger receptor 2 (Msr2), mRNA.	induction	1.326339
NM_001039373.3	Mtcp1	Mus musculus mature T-cell proliferation 1 (Mtcp1), transcript variant 1, mRNA.	induction	1.924541
NM_027134.1	Mtfmt	Mus musculus mitochondrial methionyl-tRNA formyltransferase (Mtfmt), mRNA.	repression	-2.21659
NM_026829.1	Mthfs	Mus musculus 5, 10-methenyltetrahydrofolate synthetase (Mthfs), mRNA.	induction	1.514364
NM_172761.1	Mthfsd	Mus musculus methenyltetrahydrofolate synthetase domain containing (Mthfsd), mRNA.	induction	4.986826
NM_026849.1	Mtmr14	Mus musculus myotubularin related protein 14 (Mtmr14), mRNA.	repression	-1.66752
NM_028860.1	Mtmr3	Mus musculus myotubularin related protein 3 (Mtmr3), mRNA.	induction	1.163166
NM_023431.5	Mum1	Mus musculus melanoma associated antigen (mutated) 1 (Mum1), mRNA.	repression	-1.19036
NM_008649.2	Mup5	Mus musculus major urinary protein 5 (Mup5), mRNA.	repression	-3.14366
NM_181390.1	Mustn1	Mus musculus musculoskeletal, embryonic nuclear protein 1 (Mustn1), mRNA.	repression	-1.13369
NM_133250.1	Mutyh	Mus musculus mutY homolog (E. coli) (Mutyh), nuclear gene encoding mitochondrial protein, mRNA.	induction	3.60427
NM_013606	Mx2		induction	1.522008
NM_008653.2	Mybpc3	Mus musculus myosin binding protein C, cardiac (Mybpc3), mRNA.	repression	-1.11778
NM_207215.2	Mycbp2	Mus musculus MYC binding protein 2 (Mycbp2), mRNA.	induction	1.713149
NM_010851.2	Myd88	Mus musculus myeloid differentiation primary response gene 88 (Myd88), mRNA.	repression	-1.27155
NM_023402.1	Mylc2b	Mus musculus myosin light chain, regulatory B (Mylc2b), mRNA.	induction	1.194133
NM_139300.3	Mylk	Mus musculus myosin, light polypeptide kinase (Mylk), mRNA.	repression	-1.19022
NM_001033621.3	Myot	Mus musculus myotilin (Myot), mRNA.	induction	4.8083
NM_017479	Myst4		repression	-3.36741
NM_053089.2	Narg1	Mus musculus NMDA receptor-regulated gene 1 (Narg1), mRNA.	induction	3.242854
NM_019825.2	Ncoa6	Mus musculus nuclear receptor coactivator 6 (Ncoa6), mRNA.	induction	1.294344
NM_029755.1	Ndp52	Mus musculus nuclear domain 10 protein 52 (Ndp52), mRNA. XM_989530 XM_989588 XM_992279 XM_992355	induction	4.721273
NM_145602.2	Ndr4	Mus musculus N-myc downstream regulated gene 4 (Ndr4), mRNA.	induction	1.421146

NM_010886.1	Ndufa4	Mus musculus NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (Ndufa4), mRNA.	repression	-1.12969
NM_010908.3	Nfkbib		induction	1.493231
NM_020045.2	Nfu1	Mus musculus NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae) (Nfu1), mRNA.	induction	1.297873
NM_010913.1	Nfya	Mus musculus nuclear transcription factor-Y alpha (Nfya), mRNA.	repression	-3.68678
NM_021504.2	Ngly1	Mus musculus N-glycanase 1 (Ngly1), mRNA.	repression	-4.95957
NM_022656.2	Nisch	Mus musculus nischarin (Nisch), mRNA.	repression	-1.20083
NM_001025286.1	Nkain2	Mus musculus Na+/K+ transporting ATPase interacting 2 (Nkain2), transcript variant 2, mRNA.	induction	5.762983
NM_001004194.1	Nlrp4e	Mus musculus NLR family, pyrin domain containing 4E (Nlrp4e), mRNA.	induction	5.050894
NM_019731.1	Nme4	Mus musculus non-metastatic cells 4, protein expressed in (Nme4), nuclear gene encoding mitochondrial protein, mRNA.	repression	-2.42728
NM_153057.3	Nomo1	Mus musculus nodal modulator 1 (Nomo1), mRNA.	repression	-1.26785
NM_025533.2	Nosip	Mus musculus nitric oxide synthase interacting protein (Nosip), mRNA.	repression	-1.20138
NM_152229.2	Nr2e1	Mus musculus nuclear receptor subfamily 2, group E, member 1 (Nr2e1), mRNA.	induction	4.226141
NM_178591.2	Nrg1	Mus musculus neuregulin 1 (Nrg1), mRNA. XM_900811 XM_900817 XM_900821 XM_900824 XM_900832 XM_900835 XM_912993 XM_922562 XM_922570 XM_922577 XM_922594 XM_922603 XM_922607 XM_922617 XM_922623 XM_922629 XM_922636 XM_986275 XM_986302 XM_986330 XM_986362 XM_986394 XM_986425 XM_986458 XM_986492 XM_986565 XM_986605 XM_986645 XM_986682 XM_986725 XM_988214 XM_990248 XM_990278	repression	-4.08797
NM_032002.1	Nrg4	Mus musculus neuregulin 4 (Nrg4), mRNA.	repression	-2.27809
NM_173440.2	Nrip1	Mus musculus nuclear receptor interacting protein 1 (Nrip1), mRNA.	repression	-2.68155
NM_010941.3	Nsdhl	Mus musculus NAD(P) dependent steroid dehydrogenase-like (Nsdhl), mRNA.	repression	-1.55279
NM_198654.2	Nsl1	Mus musculus NSL1, MIND kinetochore complex component, homolog (S. cerevisiae) (Nsl1), mRNA.	induction	5.785458
NM_027588.2	Nt5c1b	Mus musculus 5'-nucleotidase, cytosolic 1B (Nt5c1b), mRNA.	repression	-6.39948
NM_153595.2	Nt5dc3	Mus musculus 5'-nucleotidase domain containing 3 (Nt5dc3), transcript variant 2, mRNA.	repression	-2.33047
NM_024435.2	Nts	Mus musculus neurotensin (Nts), mRNA.	repression	-2.58006
NM_011956.2	Nubp2	Mus musculus nucleotide binding protein 2 (Nubp2), mRNA.	induction	1.155346
NM_024446.3	Nudt7	Mus musculus nudix (nucleoside	repression	-5.63549

		diphosphate linked moiety X)-type motif 7 (Nudt7), transcript variant 2, mRNA.		
NM_010950.2	Numbl	Mus musculus numb-like (Numbl), mRNA.	induction	1.692622
NM_173777.3	Olfm2	Mus musculus olfactomedin 2 (Olfm2), mRNA.	repression	-4.82596
NM_177068.3	Olfml2b	Mus musculus olfactomedin-like 2B (Olfml2b), mRNA.	induction	1.362032
NM_001011825.1	Olf1105	Mus musculus olfactory receptor 1105 (Olf1105), mRNA.	induction	2.489103
NM_213721	Olf118		repression	-2.20714
NM_146778.1	Olf1208	Mus musculus olfactory receptor 1208 (Olf1208), mRNA.	induction	5.861208
NM_146474.1	Olf1261	Mus musculus olfactory receptor 1261 (Olf1261), mRNA.	induction	5.585977
NM_146394.1	Olf1278	Mus musculus olfactory receptor 1278 (Olf1278), mRNA.	induction	4.754194
NM_001011856.1	Olf1331	Mus musculus olfactory receptor 1331 (Olf1331), mRNA.	induction	6.001999
NM_207253.1	Olf1371	Mus musculus olfactory receptor 1371 (Olf1371), mRNA.	induction	1.689558
NM_147066.1	Olf1389	Mus musculus olfactory receptor 1389 (Olf1389), mRNA.	induction	2.596247
NM_019475.3	Olf157	Mus musculus olfactory receptor 157 (Olf157), mRNA.	induction	3.039994
NM_146621.1	Olf308	Mus musculus olfactory receptor 308 (Olf308), mRNA.	repression	-3.52821
NM_146426.1	Olf469	Mus musculus olfactory receptor 469 (Olf469), mRNA.	induction	3.454993
NM_146774.1	Olf472	Mus musculus olfactory receptor 472 (Olf472), mRNA.	repression	-5.32266
NM_010998.1	Olf55	Mus musculus olfactory receptor 55 (Olf55), mRNA.	induction	4.016598
NM_147094.1	Olf606	Mus musculus olfactory receptor 606 (Olf606), mRNA.	induction	5.100211
NM_146841.1	Olf617	Mus musculus olfactory receptor 617 (Olf617), mRNA.	repression	-2.57128
NM_001025386.1	Olf627	Mus musculus olfactory receptor 627 (Olf627), mRNA.	induction	4.23028
NM_013617.2	Olf64	Mus musculus olfactory receptor 64 (Olf64), mRNA.	induction	4.709475
NM_207249.1	Olf684	Mus musculus olfactory receptor 684 (Olf684), mRNA.	repression	-3.74244
NM_146420.1	Olf738	Mus musculus olfactory receptor 738 (Olf738), mRNA.	repression	-4.13338
NM_130866.3	Olf78	Mus musculus olfactory receptor 78 (Olf78), mRNA.	repression	-5.29167
NM_001011824.1	Olf832	Mus musculus olfactory receptor 832 (Olf832), mRNA.	repression	-3.58183
NM_207560.1	Olf924	Mus musculus olfactory receptor 924 (Olf924), mRNA.	repression	-2.00309
NM_013887.1	Opn4	Mus musculus opsin 4 (melanopsin) (Opn4), mRNA.	induction	1.736078
NM_020622.2	ORF9	Mus musculus open reading frame 9 (ORF9), mRNA.	induction	3.905983
NM_139310.1	Otoa	Mus musculus otoancorin (Otoa), mRNA.	repression	-11.4529
XM_001474235.1	OTTMUSG00000004551	PREDICTED: Mus musculus predicted gene, OTTMUSG00000004551 (OTTMUSG00000004551), mRNA.	induction	4.06218
NM_134150.2	Otub1	Mus musculus OTU domain, ubiquitin aldehyde binding 1 (Otub1), mRNA.	induction	1.379317
NM_001001490.2	Oxgr1	Mus musculus oxoglutarate (alpha-ketoglutarate) receptor 1 (Oxgr1), mRNA.	repression	-4.34783
NM_153783.4	Paox	Mus musculus polyamine oxidase	induction	6.53265

		(exo-N4-amino) (Paox), mRNA.		
NM_011037.2	Pax2	Mus musculus paired box gene 2 (Pax2), mRNA.	induction	3.481664
NM_183355.1	Pbx1	Mus musculus pre B-cell leukemia transcription factor 1 (Pbx1), transcript variant a, mRNA.	induction	3.942474
NM_025835.1	Pccb	Mus musculus propionyl Coenzyme A carboxylase, beta polypeptide (Pccb), mRNA.	repression	-1.18916
NM_130448.2	Pcdh18	Mus musculus protocadherin 18 (Pcdh18), mRNA.	induction	2.966802
NM_053126.1	Pcdhb1	Mus musculus protocadherin beta 1 (Pcdhb1), mRNA.	induction	3.469394
NM_008788.2	Pcolce	Mus musculus procollagen C-endopeptidase enhancer protein (Pcolce), mRNA.	induction	1.253949
NM_008793.1	Pcsk4	Mus musculus proprotein convertase subtilisin/kexin type 4 (Pcsk4), mRNA.	repression	-2.6859
NM_011050.2	Pdcd4	Mus musculus programmed cell death 4 (Pdcd4), mRNA.	induction	2.124023
NM_019746.4	Pdcd5	Mus musculus programmed cell death 5 (Pdcd5), mRNA.	induction	1.307606
NM_028295.1	Pdia5	Mus musculus protein disulfide isomerase associated 5 (Pdia5), mRNA.	induction	1.569318
NM_028295.1	Pdia5	Mus musculus protein disulfide isomerase associated 5 (Pdia5), mRNA.	induction	4.168217
NM_016861.3	Pdlim1	Mus musculus PDZ and LIM domain 1 (elfin) (Pdlim1), mRNA.	repression	-1.13834
NM_033602	Peli2		repression	-1.55435
NM_134058.1	Pelo	Mus musculus pelota homolog (Drosophila) (Pelo), mRNA.	repression	-1.16813
NM_026027.3	Pfdn1	Mus musculus prefoldin 1 (Pfdn1), mRNA.	induction	1.719422
NM_007531.2	Phb2	Mus musculus prohibitin 2 (Phb2), mRNA.	repression	-1.17324
NM_172783.2	Phka2	Mus musculus phosphorylase kinase alpha 2 (Phka2), mRNA.	induction	1.27324
NM_013750.1	Phlda3	Mus musculus pleckstrin homology-like domain, family A, member 3 (Phlda3), mRNA.	induction	1.727503
NM_028744.1	Pi4k2b	Mus musculus phosphatidylinositol 4-kinase type 2 beta (Pi4k2b), transcript variant 2, mRNA.	repression	-5.23865
NM_001077495.1	Pik3r1	Mus musculus phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha) (Pik3r1), transcript variant 2, mRNA.	repression	-1.30715
NM_008841.1	Pik3r2	Mus musculus phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta) (Pik3r2), mRNA.	induction	1.445713
NM_008841.1	Pik3r2	Mus musculus phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta) (Pik3r2), mRNA.	repression	-1.54769
NM_027153.2	Pir	Mus musculus pirin (Pir), mRNA.	induction	1.756652
NM_145378.2	Pla2g4b	Mus musculus phospholipase A2, group IVB (cytosolic) (Pla2g4b), mRNA. XM_900391 XM_900400 XM_900408 XM_900416 XM_900430 XM_917664 XM_925074 XM_925078 XM_925084 XM_925088 XM_925090 XM_925092 XM_925095 XM_983757 XM_983791 XM_983829	induction	2.14483

		XM_983873 XM_983913 XM_984017		
NM_172695.2	Plaa	Mus musculus phospholipase A2, activating protein (Plaa), mRNA.	induction	1.26772
NM_019588.2	Plce1	Mus musculus phospholipase C, epsilon 1 (Plce1), mRNA.	repression	-2.11906
NM_201393.1	Plec1	Mus musculus plectin 1 (Plec1), transcript variant 10, mRNA.	repression	-1.36703
NM_133942.2	Plekha1	Mus musculus pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1 (Plekha1), mRNA.	induction	1.239092
NM_182930.1	Plekha6	Mus musculus pleckstrin homology domain containing, family A member 6 (Plekha6), mRNA.	repression	-1.30954
NM_008877.2	Plg	Mus musculus plasminogen (Plg), mRNA.	induction	3.086694
NM_013872.2	Pmm1	Mus musculus phosphomannomutase 1 (Pmm1), mRNA.	repression	-1.55541
NM_010932.1	Pnoc	Mus musculus prepronociceptin (Pnoc), mRNA.	induction	6.432183
NM_013632.3	Pnp1	Mus musculus purine-nucleoside phosphorylase 1 (Pnp1), mRNA.	induction	3.970787
NM_025802.2	Pnpla2	Mus musculus patatin-like phospholipase domain containing 2 (Pnpla2), mRNA.	repression	-1.27651
NM_172683.1	Pogz	Mus musculus pogo transposable element with ZNF domain (Pogz), mRNA.	repression	-8.40062
NM_009089.2	Polr2a	Mus musculus polymerase (RNA) II (DNA directed) polypeptide A (Polr2a), mRNA.	repression	-4.3989
NM_027231.1	Polr2f	Mus musculus polymerase (RNA) II (DNA directed) polypeptide F (Polr2f), mRNA.	repression	-1.21855
NM_025298.2	Polr3e	Mus musculus polymerase (RNA) III (DNA directed) polypeptide E (Polr3e), mRNA.	repression	-5.36809
NM_172551.2	Polrmt	Mus musculus polymerase (RNA) mitochondrial (DNA directed) (Polrmt), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.19387
NM_027351.2	Ppil3	Mus musculus peptidylprolyl isomerase (cyclophilin)-like 3 (Ppil3), transcript variant 1, mRNA.	induction	2.966608
NM_175523.4	Ppm1k	Mus musculus protein phosphatase 1K (PP2C domain containing) (Ppm1k), mRNA.	repression	-1.50295
NM_133485.2	Ppp1r14c	Mus musculus protein phosphatase 1, regulatory (inhibitor) subunit 14c (Ppp1r14c), mRNA.	induction	1.344014
NM_181595.3	Ppp1r9a	Mus musculus protein phosphatase 1, regulatory (inhibitor) subunit 9A (Ppp1r9a), mRNA.	repression	-1.22527
NM_172261.2	Ppp1r9b	Mus musculus protein phosphatase 1, regulatory subunit 9B (Ppp1r9b), mRNA.	repression	-1.24016
NM_008913.3	Ppp3ca	Mus musculus protein phosphatase 3, catalytic subunit, alpha isoform (Ppp3ca), mRNA.	induction	1.599226
NM_019441.2	Ppt2	Mus musculus palmitoyl-protein thioesterase 2 (Ppt2), mRNA.	induction	1.616638
NM_145150.1	Prc1	Mus musculus protein regulator of cytokinesis 1 (Prc1), mRNA.	induction	1.709664
NM_133364.2	Prima1	Mus musculus proline rich membrane anchor 1 (Prima1), mRNA.	repression	-5.00373
NM_008854.3	Prkaca	Mus musculus protein kinase, cAMP	induction	1.161362

		dependent, catalytic, alpha (Prkaca), mRNA.		
NM_016781.2	Prkag1	Mus musculus protein kinase, AMP-activated, gamma 1 non-catalytic subunit (Prkag1), mRNA.	repression	-1.18357
NM_008858.1	Prkcm	Mus musculus protein kinase C, mu (Prkcm), mRNA.	repression	-6.68002
NM_011159.1	Prkdc		repression	-1.98007
NM_019546.4	Prodh2	Mus musculus proline dehydrogenase (oxidase) 2 (Prodh2), mRNA.	induction	2.832116
NM_021381.3	Prokr1	Mus musculus prokineticin receptor 1 (Prokr1), mRNA.	repression	-1.94059
NM_011173.2	Pros1	Mus musculus protein S (alpha) (Pros1), mRNA.	repression	-1.26401
NM_026045.3	Prpf18	Mus musculus PRP18 pre-mRNA processing factor 18 homolog (yeast) (Prpf18), mRNA.	repression	-1.13478
NM_053260.2	Prss29	Mus musculus protease, serine, 29 (Prss29), mRNA.	induction	2.576313
NM_173347.2	Prune	Mus musculus prune homolog (Drosophila) (Prune), mRNA.	repression	-1.70724
NM_025498.2	Psenen	Mus musculus presenilin enhancer 2 homolog (C. elegans) (Psenen), mRNA.	repression	-1.33549
NM_001004152.1	Psg22	Mus musculus pregnancy-specific glycoprotein 22 (Psg22), mRNA.	repression	-2.89468
NM_011193.1	Pstpip1	Mus musculus proline-serine-threonine phosphatase-interacting protein 1 (Pstpip1), mRNA.	repression	-4.74113
NM_019455.2	Ptgds2	Mus musculus prostaglandin D2 synthase 2, hematopoietic (Ptgds2), mRNA.	repression	-4.03823
NM_207232.1	Ptpdc1	Mus musculus protein tyrosine phosphatase domain containing 1 (Ptpdc1), mRNA.	induction	1.357729
NM_013643.1	Ptpn5	Mus musculus protein tyrosine phosphatase, non-receptor type 5 (Ptpn5), mRNA.	induction	2.646311
NM_011218.1	Ptprs	Mus musculus protein tyrosine phosphatase, receptor type, S (Ptprs), mRNA.	induction	2.613735
NM_011218.1	Ptprs	Mus musculus protein tyrosine phosphatase, receptor type, S (Ptprs), mRNA.	induction	10.54269
NM_008990.2	Pvrl2	Mus musculus poliovirus receptor-related 2 (Pvrl2), mRNA.	repression	-1.22037
NM_008993.2	Pxmp2	Mus musculus peroxisomal membrane protein 2 (Pxmp2), mRNA.	repression	-1.34411
NM_001081054.2	Qrs1	Mus musculus glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1 (Qrs1), mRNA.	repression	-1.20961
NM_026677.1	Rab13	Mus musculus RAB13, member RAS oncogene family (Rab13), mRNA.	repression	-3.4841
NM_008998.2	Rab17	Mus musculus RAB17, member RAS oncogene family (Rab17), mRNA.	induction	4.575945
NM_029576.1	Rab1b	Mus musculus RAB1B, member RAS oncogene family (Rab1b), mRNA.	induction	2.336549
NM_016899.2	Rab25	Mus musculus RAB25, member RAS oncogene family (Rab25), mRNA.	repression	-6.62142
NM_021411.2	Rab37	Mus musculus RAB37, member of RAS oncogene family (Rab37), mRNA.	induction	4.359967
NM_009001.3	Rab3a	Mus musculus RAB3A, member RAS oncogene family (Rab3a), mRNA.	repression	-1.12748
NM_031874.4	Rab3d	Mus musculus RAB3D, member RAS oncogene family (Rab3d), mRNA.	induction	1.275121



NM_133717.2	Rab43	Mus musculus RAB43, member RAS oncogene family (Rab43), transcript variant 2, mRNA.	induction	2.124535
NM_010261.2	Rabac1	Mus musculus Rab acceptor 1 (prenylated) (Rabac1), mRNA.	repression	-1.2105
NM_145522.3	Rabepk	Mus musculus Rab9 effector protein with kelch motifs (Rabepk), mRNA.	repression	-5.47249
NM_013862.3	Rabgap1l	Mus musculus RAB GTPase activating protein 1-like (Rabgap1l), transcript variant 1, mRNA. XM_924767 XM_924771 XM_924774	induction	1.280653
NM_011233.2	Rad17	Mus musculus RAD17 homolog (S. pombe) (Rad17), transcript variant 1, mRNA.	induction	2.346813
NM_009012.2	Rad50	Mus musculus RAD50 homolog (S. cerevisiae) (Rad50), mRNA.	induction	3.317802
NM_011235.3	Rad51l3	Mus musculus RAD51-like 3 (S. cerevisiae) (Rad51l3), mRNA.	induction	1.532894
NM_020030.2	Raet1d	Mus musculus retinoic acid early transcript delta (Raet1d), mRNA.	induction	3.816159
NM_001080925.1	Rapgef1l	Mus musculus Rap guanine nucleotide exchange factor (GEF)-like 1 (Rapgef1l), mRNA.	induction	1.435919
NM_175023.2	Rbbp6	Mus musculus retinoblastoma binding protein 6 (Rbbp6), transcript variant 2, mRNA.	induction	4.96256
NM_001039080.1	Rbms2	Mus musculus RNA binding motif, single stranded interacting protein 2 (Rbms2), transcript variant 2, mRNA.	induction	1.566471
NM_022980.4	Rcan3	Mus musculus regulator of calcineurin 3 (Rcan3), mRNA.	induction	1.229083
NM_144865.1	Reep2	Mus musculus receptor accessory protein 2 (Reep2), mRNA.	induction	4.543609
NM_177073.5	Relt	Mus musculus RELT tumor necrosis factor receptor (Relt), mRNA.	induction	1.6448
NM_031192.2	Ren1	Mus musculus renin 1 structural (Ren1), mRNA.	induction	2.340748
NM_015811.1	Rgs1	Mus musculus regulator of G-protein signaling 1 (Rgs1), mRNA.	repression	-6.11211
NM_008164.1	Rhpn1	Mus musculus rhophilin, Rho GTPase binding protein 1 (Rhpn1), mRNA.	induction	2.933763
NM_001038624.1	Ric3	Mus musculus resistance to inhibitors of cholinesterase 3 homolog (C. elegans) (Ric3), transcript variant 1, mRNA.	induction	1.562626
NM_138952.3	Ripk2	Mus musculus receptor (TNFRSF)-interacting serine-threonine kinase 2 (Ripk2), mRNA.	induction	1.383961
NM_011275.1	Rnaseh1	Mus musculus ribonuclease H1 (Rnaseh1), mRNA.	repression	-1.46134
NM_175136.2	Rnf122	Mus musculus ring finger protein 122 (Rnf122), mRNA.	repression	-2.17882
NM_176834.2	Rnf208	Mus musculus ring finger protein 208 (Rnf208), mRNA.	induction	1.788618
NM_001038993.2	Rnf38	Mus musculus ring finger protein 38 (Rnf38), transcript variant 2, mRNA.	induction	5.578114
NM_133242.1	Rnpc2		induction	2.87517
NM_133185.2	Rogdi	Mus musculus roghi homolog (Drosophila) (Rogdi), mRNA.	induction	1.354218
NM_027434.2	Rprd1b	Mus musculus regulation of nuclear pre-mRNA domain containing 1B (Rprd1b), mRNA.	repression	-1.16139
NM_001081293.1	Rprd2	Mus musculus Regulation of nuclear pre-mRNA domain containing 2 (Rprd2), mRNA.	repression	-1.46449
NM_009104.1	Rrm2	Mus musculus ribonucleotide	induction	1.5489

		reductase M2 (Rrm2), mRNA.		
NM_009106.1	Rtkn	Mus musculus rhotekin (Rtkn), transcript variant 1, mRNA.	induction	2.628115
NM_001081346.1	Rtkn2	Mus musculus rhotekin 2 (Rtkn2), mRNA.	induction	2.252196
NM_184109.1	Rtl1	Mus musculus retrotransposon-like 1 (Rtl1), mRNA.	repression	-5.53252
NM_013650.2	S100a8	Mus musculus S100 calcium binding protein A8 (calgranulin A) (S100a8), mRNA.	repression	-2.47961
NM_020568.2	S3-12	Mus musculus plasma membrane associated protein, S3-12 (S3-12), mRNA.	repression	-1.30961
NM_009117.3	Saa1	Mus musculus serum amyloid A 1 (Saa1), mRNA.	induction	6.076052
NM_001037221.1	Samd4	Mus musculus sterile alpha motif domain containing 4 (Samd4), transcript variant 1, mRNA.	repression	-5.27306
NM_023380.2	Samsn1	Mus musculus SAM domain, SH3 domain and nuclear localization signals, 1 (Samsn1), mRNA.	induction	2.326926
NM_172205.3	Sbsn	Mus musculus suprabasin (Sbsn), transcript variant 1, mRNA.	repression	-5.34214
NM_011322.2	Scn1b	Mus musculus sodium channel, voltage-gated, type I, beta (Scn1b), mRNA.	induction	4.795047
NM_153522	Scn3b		induction	2.325955
NM_198885.2	Scx	Mus musculus scleraxis (Scx), mRNA.	repression	-1.6329
NM_133704.3	Sec22l2		induction	3.522292
NM_027016.2	Sec62	Mus musculus SEC62 homolog (S. cerevisiae) (Sec62), mRNA.	induction	4.757289
NM_009153.2	Sema3b	Mus musculus sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B (Sema3b), transcript variant 2, mRNA.	induction	6.400633
NM_009154.1	Sema5a		repression	-1.35444
NM_053102.2	Sep15	Mus musculus selenoprotein (Sep15), mRNA.	induction	1.940201
NM_019942.2	Sept6	Mus musculus septin 6 (Sept6), mRNA.	repression	-1.39327
NM_001025371.1	Serinc4	Mus musculus serine incorporator 4 (Serinc4), mRNA.	induction	4.559603
NM_026535.2	Serpina12	Mus musculus serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12 (Serpina12), mRNA.	induction	5.895452
NM_027971.1	Serpina12	Mus musculus serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12 (Serpina12), mRNA.	repression	-2.31459
NM_009126.2	Serpina3a	Mus musculus serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 3A (Serpina3a), mRNA.	repression	-2.13521
NM_008878.1	Serpina2	Mus musculus serine (or cysteine) peptidase inhibitor, clade F, member 2 (Serpina2), mRNA.	induction	3.293375
NM_009825.1	Serpina1	Mus musculus serine (or cysteine) peptidase inhibitor, clade H, member 1 (Serpina1), mRNA.	induction	1.610819
NM_001035123.1	Setd6	Mus musculus SET domain containing 6 (Setd6), mRNA.	repression	-1.25112
NM_134091.1	Sgsm3	Mus musculus small G protein signaling modulator 3 (Sgsm3), mRNA.	repression	-1.58045
NM_024499.1	Sgta	Mus musculus small glutamine-rich	repression	-1.25644

		tetratricopeptide repeat (TPR)-containing, alpha (Sgta), mRNA.		
NM_009164.2	Sh3bp1	Mus musculus SH3-domain binding protein 1 (Sh3bp1), mRNA.	induction	7.836345
NM_172788.2	Sh3md4	Mus musculus SH3 multiple domains 4 (Sh3md4), mRNA.	repression	-6.25816
NM_172966.1	Sh3rf2	Mus musculus SH3 domain containing ring finger 2 (Sh3rf2), mRNA.	repression	-1.21341
NM_001013829.2	Shf	Mus musculus Src homology 2 domain containing F (Shf), mRNA.	induction	2.907089
NM_011378.1	Sin3a	Mus musculus transcriptional regulator, SIN3A (yeast) (Sin3a), mRNA.	repression	-1.16263
NM_144836	Slc17a2		induction	3.715687
NM_182959.2	Slc17a8	Mus musculus solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8 (Slc17a8), mRNA.	induction	3.780369
NM_054087.2	Slc19a2	Mus musculus solute carrier family 19 (thiamine transporter), member 2 (Slc19a2), mRNA.	induction	1.207541
NM_146255.1	Slc1a7	Mus musculus solute carrier family 1 (glutamate transporter), member 7 (Slc1a7), mRNA.	induction	1.510438
NM_144856.1	Slc22a7	Mus musculus solute carrier family 22 (organic anion transporter), member 7 (Slc22a7), mRNA.	induction	1.890151
NM_053195.2	Slc24a3	Mus musculus solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (Slc24a3), mRNA.	repression	-1.12114
NM_001013780.1	Slc25a34	Mus musculus solute carrier family 25, member 34 (Slc25a34), mRNA.	repression	-1.68184
NM_144793.1	Slc25a38	Mus musculus solute carrier family 25, member 38 (Slc25a38), mRNA.	repression	-1.21795
NM_178766.3	Slc25a40	Mus musculus solute carrier family 25, member 40 (Slc25a40), mRNA.	repression	-6.09659
NM_178696.3	Slc25a44	Mus musculus solute carrier family 25, member 44 (Slc25a44), mRNA.	repression	-1.40916
NM_022317.3	Slc28a3	Mus musculus solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 (Slc28a3), mRNA.	induction	6.065248
NM_134060.2	Slc35b3	Mus musculus solute carrier family 35, member B3 (Slc35b3), mRNA.	repression	-1.2483
NM_177766.2	Slc35e1	Mus musculus solute carrier family 35, member E1 (Slc35e1), mRNA.	repression	-1.23779
NM_001009950.1	Slc38a8	Mus musculus solute carrier family 38, member 8 (Slc38a8), mRNA.	repression	-4.13905
NM_134135.1	Slc39a3	Mus musculus solute carrier family 39 (zinc transporter), member 3 (Slc39a3), mRNA.	induction	6.206082
NM_016917.2	Slc40a1	Mus musculus solute carrier family 40 (iron-regulated transporter), member 1 (Slc40a1), mRNA.	repression	-1.62669
NM_021530.2	Slc4a8	Mus musculus solute carrier family 4 (anion exchanger), member 8 (Slc4a8), mRNA.	repression	-1.39464
NM_178703.2	Slc6a1	Mus musculus solute carrier family 6 (neurotransmitter transporter, GABA), member 1 (Slc6a1), mRNA. XM_976103	induction	3.789816
NM_172890.3	Slc6a11	Mus musculus solute carrier family 6 (neurotransmitter transporter, GABA), member 11 (Slc6a11), mRNA.	induction	4.425629
NM_175328.2	Slc6a15	Mus musculus solute carrier family 6	repression	-2.81367

		(neurotransmitter transporter), member 15 (Slc6a15), mRNA.		
NM_175316.3	Slco2b1	Mus musculus solute carrier organic anion transporter family, member 2b1 (Slco2b1), mRNA.	repression	-1.32608
NM_011407.1	Slfn1	Mus musculus schlafen 1 (Slfn1), mRNA.	induction	5.829448
NM_009289.2	Slk	Mus musculus STE20-like kinase (yeast) (Slk), mRNA.	repression	-4.29771
NM_198160.1	Smarcc2	Mus musculus SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2 (Smarcc2), mRNA.	repression	-1.41419
NM_025891.3	Smarcd3	Mus musculus SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (Smarcd3), mRNA.	induction	1.50022
NM_028887.2	Smchd1	Mus musculus SMC hinge domain containing 1 (Smchd1), mRNA.	induction	1.461993
NM_013870.2	Smtn	Mus musculus smoothelin (Smtn), mRNA.	induction	1.229687
NM_013870.1	Smtn	Mus musculus smoothelin (Smtn), mRNA.	induction	1.163311
NM_133968.1	Snopc2	Mus musculus small nuclear RNA activating complex, polypeptide 2 (Snopc2), mRNA.	induction	6.876171
NM_025696	Sorcs3		repression	-3.19202
NM_011443.2	Sox2		repression	-4.19393
NM_011445.3	Sox6	Mus musculus SRY-box containing gene 6 (Sox6), transcript variant 1, mRNA.	repression	-4.53065
NM_029599.1	Spag4l	Mus musculus sperm associated antigen 4-like (Spag4l), mRNA.	induction	4.680788
NM_029701.1	Spcs3	Mus musculus signal peptidase complex subunit 3 homolog (S. cerevisiae) (Spcs3), mRNA.	repression	-1.26833
NM_027650.2	Speer3	Mus musculus spermatogenesis associated glutamate (E)-rich protein 3 (Speer3), mRNA.	repression	-3.41264
NM_013675.3	Spnb1	Mus musculus spectrin beta 1 (Spnb1), mRNA.	repression	-1.10268
NM_025291.2	Sra1	Mus musculus steroid receptor RNA activator 1 (Sra1), mRNA.	repression	-1.23996
NM_009272.4	Srm	Mus musculus spermidine synthase (Srm), mRNA.	repression	-1.28373
NM_178750.4	Ss18l1	Mus musculus synovial sarcoma translocation gene on chromosome 18-like 1 (Ss18l1), mRNA.	repression	-2.85732
NM_011487.3	Stat4	Mus musculus signal transducer and activator of transcription 4 (Stat4), mRNA.	induction	7.17802
NM_011488.2	Stat5a	Mus musculus signal transducer and activator of transcription 5A (Stat5a), mRNA.	repression	-1.53381
NM_011491.3	Stc2	Mus musculus stanniocalcin 2 (Stc2), mRNA.	repression	-1.29553
NM_178749.3	Stk32a	Mus musculus serine/threonine kinase 32A (Stk32a), mRNA.	induction	4.650884
NM_009295.1	Stxbp1	Mus musculus syntaxin binding protein 1 (Stxbp1), mRNA.	induction	3.858796
NM_009295.1	Stxbp1	Mus musculus syntaxin binding protein 1 (Stxbp1), mRNA.	induction	1.375561
NM_011514.1	Suv39h1	Mus musculus suppressor of variegation 3-9 homolog 1 (Drosophila) (Suv39h1), mRNA.	repression	-4.95374
NM_153153.1	Svil	Mus musculus supervillin (Svil), transcript variant 1, mRNA.	induction	1.608489
NM_178046.2	Svil	Mus musculus supervillin (Svil),	induction	1.800204

		transcript variant 2, mRNA.		
NM_009300.2	Svs4	Mus musculus seminal vesicle secretory protein 4 (Svs4), mRNA.	induction	6.062812
NM_009301.1	Svs5	Mus musculus seminal vesicle secretory protein 5 (Svs5), mRNA.	repression	-3.33732
NM_053093.1	Tac4	Mus musculus tachykinin 4 (Tac4), mRNA.	repression	-2.07033
NM_206856.1	Tacc2		repression	-1.32996
NM_009314.2	Tacr2	Mus musculus tachykinin receptor 2 (Tacr2), mRNA.	induction	3.452529
NM_025579.1	Taf12	Mus musculus TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf12), mRNA.	repression	-1.26689
NM_011529.1	Tank	Mus musculus TRAF family member-associated Nf-kappa B activator (Tank), mRNA.	induction	3.729694
NM_001008545.1	Tardbp	Mus musculus TAR DNA binding protein (Tardbp), transcript variant 2, mRNA.	repression	-1.29902
NM_144517.3	Tbc1d19	Mus musculus TBC1 domain family, member 19 (Tbc1d19), mRNA.	induction	1.381966
NM_011539.3	Tbxas1	Mus musculus thromboxane A synthase 1, platelet (Tbxas1), mRNA.	induction	1.465117
NM_183289.2	Tcerg1l	Mus musculus transcription elongation regulator 1-like (Tcerg1l), mRNA.	induction	3.098924
NM_013685.2	Tcf4	Mus musculus transcription factor 4 (Tcf4), transcript variant 1, mRNA.	induction	1.305033
NM_011577.1	Tgfb1	Mus musculus transforming growth factor, beta 1 (Tgfb1), mRNA.	induction	1.600036
NM_001013025.2	Tgfbrap1	Mus musculus transforming growth factor, beta receptor associated protein 1 (Tgfbrap1), mRNA.	repression	-1.19397
NM_173396.2	Tgif2	Mus musculus TGFB-induced factor homeobox 2 (Tgif2), mRNA.	repression	-3.88859
NM_153109.1	Tgif2lx	Mus musculus TGFB-induced factor homeobox 2-like, X-linked (Tgif2lx), mRNA.	induction	4.055371
NM_019984.2	Tgm1	Mus musculus transglutaminase 1, K polypeptide (Tgm1), mRNA.	induction	4.329174
NM_009373.3	Tgm2	Mus musculus transglutaminase 2, C polypeptide (Tgm2), mRNA.	repression	-1.2256
XM_619495.4	Thada	PREDICTED: Mus musculus thyroid adenoma associated (Thada), mRNA.	repression	-1.30776
NM_026909.1	Thap7		induction	1.326707
NM_011568.1	Thoc4	Mus musculus THO complex 4 (Thoc4), mRNA.	repression	-1.23617
NM_172485.2	Thsd7b	Mus musculus thrombospondin, type I, domain containing 7B (Thsd7b), mRNA.	induction	2.832204
NM_025372.3	Tipin	Mus musculus timeless interacting protein (Tipin), mRNA.	induction	1.505576
NM_011599.3	Tle1	Mus musculus transducin-like enhancer of split 1, homolog of Drosophila E(spl) (Tle1), mRNA. XM_984202 XM_984240 XM_984277 XM_984316 XM_984359 XM_984397 XM_984426 XM_984456 XM_984492 XM_984530	repression	-1.29526
NM_011599.3	Tle1	Mus musculus transducin-like enhancer of split 1, homolog of Drosophila E(spl) (Tle1), mRNA. XM_984202 XM_984240 XM_984277 XM_984316 XM_984359 XM_984397	induction	1.144134

		XM_984426 XM_984456 XM_984492 XM_984530		
NM_021297.2	Tlr4	Mus musculus toll-like receptor 4 (Tlr4), mRNA.	induction	3.088709
NM_133352.2	Tm9sf3	Mus musculus transmembrane 9 superfamily member 3 (Tm9sf3), mRNA.	induction	3.676156
NM_001033433.3	Tmem102	Mus musculus transmembrane protein 102 (Tmem102), mRNA.	induction	5.076817
NM_025838.1	Tmem107	Mus musculus transmembrane protein 107 (Tmem107), transcript variant 1, mRNA.	induction	1.222879
NM_001034863.1	Tmem136	Mus musculus transmembrane protein 136 (Tmem136), mRNA.	repression	-1.36122
NM_025387.2	Tmem14c	Mus musculus transmembrane protein 14C (Tmem14c), mRNA.	induction	1.138721
NM_177260.2	Tmem154	Mus musculus transmembrane protein 154 (Tmem154), mRNA.	repression	-6.00462
NM_177592.3	Tmem164	Mus musculus transmembrane protein 164 (Tmem164), mRNA.	repression	-1.72382
NM_178381.2	Tmem16j	Mus musculus transmembrane protein 16J (Tmem16j), mRNA.	induction	3.088279
NM_029186.2	Tmem180	Mus musculus transmembrane protein 180 (Tmem180), mRNA.	induction	1.36594
NM_172608.1	Tmem184b	Mus musculus transmembrane protein 184b (Tmem184b), mRNA.	induction	1.178229
NM_025708.3	Tmem186	Mus musculus transmembrane protein 186 (Tmem186), mRNA.	repression	-1.18808
NM_028427.2	Tmem192	Mus musculus transmembrane protein 192 (Tmem192), mRNA.	induction	1.328824
NM_021793.1	Tmem8	Mus musculus transmembrane protein 8 (five membrane-spanning domains) (Tmem8), mRNA.	induction	1.447829
NM_020050.1	Tmem9b	Mus musculus TMEM9 domain family, member B (Tmem9b), mRNA.	repression	-1.15903
NM_016712.2	Tmod4	Mus musculus tropomodulin 4 (Tmod4), mRNA.	induction	1.169264
NM_001013373.2	Tmprss13	Mus musculus transmembrane protease, serine 13 (Tmprss13), mRNA.	induction	2.311892
NM_028651.2	Tmtc4	Mus musculus transmembrane and tetratricopeptide repeat containing 4 (Tmtc4), mRNA.	repression	-1.73971
NM_001081260.1	Tnks1bp1	Mus musculus tankyrase 1 binding protein 1 (Tnks1bp1), mRNA.	repression	-1.41262
NM_177066.3	Tnni3k	Mus musculus TNNI3 interacting kinase (Tnni3k), mRNA.	induction	1.117174
NM_025996.1	Tomm34	Mus musculus translocase of outer mitochondrial membrane 34 (Tomm34), mRNA.	repression	-1.15525
NM_176979.5	Topbp1	Mus musculus topoisomerase (DNA) II binding protein 1 (Topbp1), mRNA.	repression	-3.57514
NM_026429.1	Tpppb	Mus musculus trophoblast specific protein beta (Tpppb), mRNA.	induction	1.635097
NM_010067.3	Trdmt1	Mus musculus tRNA aspartic acid methyltransferase 1 (Trdmt1), mRNA.	induction	2.744249
NM_001039048.2	Trim63	Mus musculus tripartite motif-containing 63 (Trim63), mRNA.	repression	-1.21907
NM_080510.1	Trim69	Mus musculus tripartite motif-containing 69 (Trim69), mRNA.	induction	1.36512
NM_032000.1	Trps1	Mus musculus trichorhinophalangeal syndrome I (human) (Trps1), mRNA.	induction	1.231654
NM_025537.3	Tsfn	Mus musculus Ts translation elongation factor, mitochondrial (Tsfn), nuclear gene encoding mitochondrial protein, mRNA.	repression	-1.24777
NM_183180.1	Tspan18	Mus musculus tetraspanin 18	repression	-3.81641

		(Tspan18), mRNA.		
NM_027192.1	Ttl	Mus musculus tubulin tyrosine ligase (Ttl), mRNA.	induction	2.842774
NM_019756.2	Tubd1	Mus musculus tubulin, delta 1 (Tubd1), mRNA.	induction	1.473408
NM_011876.3	Twf2	Mus musculus twinfilin, actin-binding protein, homolog 2 (Drosophila) (Twf2), mRNA.	repression	-1.14598
NM_001009935.2	Txnip	Mus musculus thioredoxin interacting protein (Txnip), transcript variant 1, mRNA.	repression	-2.52403
NM_153162.3	Txnrd3	Mus musculus thioredoxin reductase 3 (Txnrd3), mRNA.	induction	1.119795
NM_031202.2	Tyrp1	Mus musculus tyrosinase-related protein 1 (Tyrp1), mRNA.	induction	2.231881
NM_023137.2	Ubd	Mus musculus ubiquitin D (Ubd), mRNA.	repression	-4.93283
NM_011666.1	Ube1c	Mus musculus ubiquitin-activating enzyme E1C (Ube1c), mRNA.	induction	1.400949
NM_001039158.1	Ube2j2	Mus musculus ubiquitin-conjugating enzyme E2, J2 homolog (yeast) (Ube2j2), transcript variant 3, mRNA.	repression	-8.34436
NM_022022.1	Ube4b	Mus musculus ubiquitination factor E4B, UFD2 homolog (S. cerevisiae) (Ube4b), mRNA.	repression	-1.27377
NM_025401.3	Ubl5	Mus musculus ubiquitin-like 5 (Ubl5), mRNA.	repression	-1.32818
NM_001083319.1	Ubp1	Mus musculus upstream binding protein 1 (Ubp1), transcript variant 1, mRNA.	induction	5.034302
NM_025388.2	Ufc1	Mus musculus ubiquitin-fold modifier conjugating enzyme 1 (Ufc1), mRNA.	repression	-1.05307
NM_138668.1	Ufsp2	Mus musculus UFM1-specific peptidase 2 (Ufsp2), mRNA.	induction	1.750338
NM_011307.2	Uimc1	Mus musculus ubiquitin interaction motif containing 1 (Uimc1), mRNA.	induction	2.326257
NM_009471.2	Umps	Mus musculus uridine monophosphate synthetase (Umps), mRNA.	induction	1.721065
NM_175352.4	Unc119b	Mus musculus unc-119 homolog B (C. elegans) (Unc119b), mRNA.	repression	-1.22292
NM_194342.1	Unc84b	Mus musculus unc-84 homolog B (C. elegans) (Unc84b), mRNA.	repression	-1.1908
NM_153386.1	Ush3a		induction	5.164902
NM_026031.3	Utp11l	Mus musculus UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast) (Utp11l), mRNA.	induction	1.110675
NM_134165.1	V1rc10	Mus musculus vomeronasal 1 receptor, C10 (V1rc10), mRNA.	induction	3.956529
NM_134174.2	V1rc19	Mus musculus vomeronasal 1 receptor, C19 (V1rc19), mRNA.	repression	-6.75589
NM_134181.1	V1rc26	Mus musculus vomeronasal 1 receptor, C26 (V1rc26), mRNA.	repression	-4.37514
NM_134184.2	V1rc29	Mus musculus vomeronasal 1 receptor, C29 (V1rc29), mRNA.	induction	5.47329
NM_033509.3	Vangl2	Mus musculus vang-like 2 (van gogh, Drosophila) (Vangl2), mRNA.	induction	7.875261
NM_177354.3	Vash1	Mus musculus vasohibin 1 (Vash1), mRNA.	induction	5.113884
NM_011979.1	Vnn3	Mus musculus vanin 3 (Vnn3), mRNA.	induction	4.317955
NM_144863.3	Wdr36	Mus musculus WD repeat domain 36 (Wdr36), mRNA.	repression	-2.49867
NM_153138.3	Wipf1	Mus musculus WAS/WASL interacting protein family, member 1 (Wipf1), mRNA.	induction	1.262672
NM_139298.2	Wnt9a	Mus musculus wingless-type MMTV integration site 9A (Wnt9a), mRNA.	induction	2.988189

NM_133791.4	Wwc2	Mus musculus WW, C2 and coiled-coil domain containing 2 (Wwc2), mRNA.	repression	-1.24639
NM_025830.3	Wwp2	Mus musculus WW domain containing E3 ubiquitin protein ligase 2 (Wwp2), mRNA.	repression	-1.68165
NM_026570.1	Yeats4	Mus musculus YEATS domain containing 4 (Yeats4), mRNA.	repression	-1.21327
NM_172467.2	Zc3hav1l	Mus musculus zinc finger CCCH-type, antiviral 1-like (Zc3hav1l), mRNA.	induction	5.314992
NM_001081217.1	Zfp174	Mus musculus zinc finger protein 174 (Zfp174), mRNA.	induction	7.033849
NM_001003666.2	Zfp457	Mus musculus zinc finger protein 457 (Zfp457), mRNA.	induction	3.565972
NM_001033205.1	Zfp575	Mus musculus zinc finger protein 575 (Zfp575), mRNA.	repression	-2.32048
NM_172536.1	Zfp609	Mus musculus zinc finger protein 609 (Zfp609), mRNA.	induction	1.857318
NM_028298.3	Zfp655	Mus musculus zinc finger protein 655 (Zfp655), transcript variant 1, mRNA.	repression	-1.26797
NM_001033425.1	Zscan10	Mus musculus zinc finger and SCAN domains 10 (Zscan10), mRNA. XM_908570 XM_920921 XM_920929 XM_920934 XM_920942 XM_920949	repression	-2.8979
NM_173002.2	Zxdc	Mus musculus ZXD family zinc finger C (Zxdc), transcript variant 2, mRNA.	repression	-1.37866