

Figure S1. Effect of *Mir34a* and/or *Csf1r* inactivation on goblet and Paneth cells in the 18 weeks old *Apc*^{Min/+} mice.

A, B Detection of goblet cells on normal villus (**A**) and Paneth cells at normal crypt (**B**) from *Apc*^{Min/+} mice with the indicated genotype by Periodic acid-Schiff (PAS) staining. Scale bar: 20 μ m.

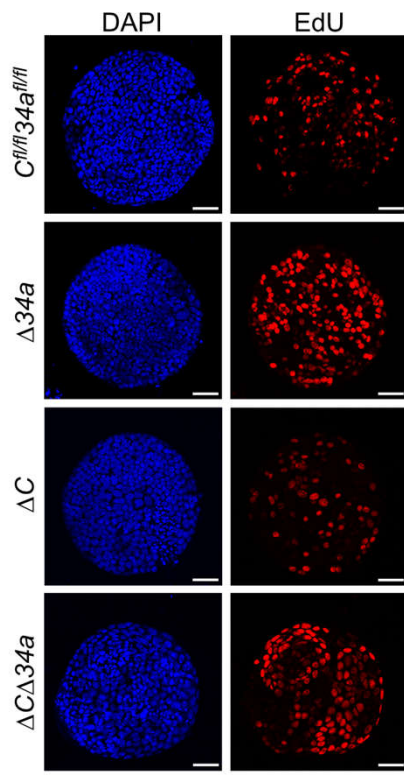


Figure S2, related to Figure 5F

Representative images of DAPI and EdU labeling tumoroids derived from adenomas with the indicated genotypes. Scale bar: 40 μm .

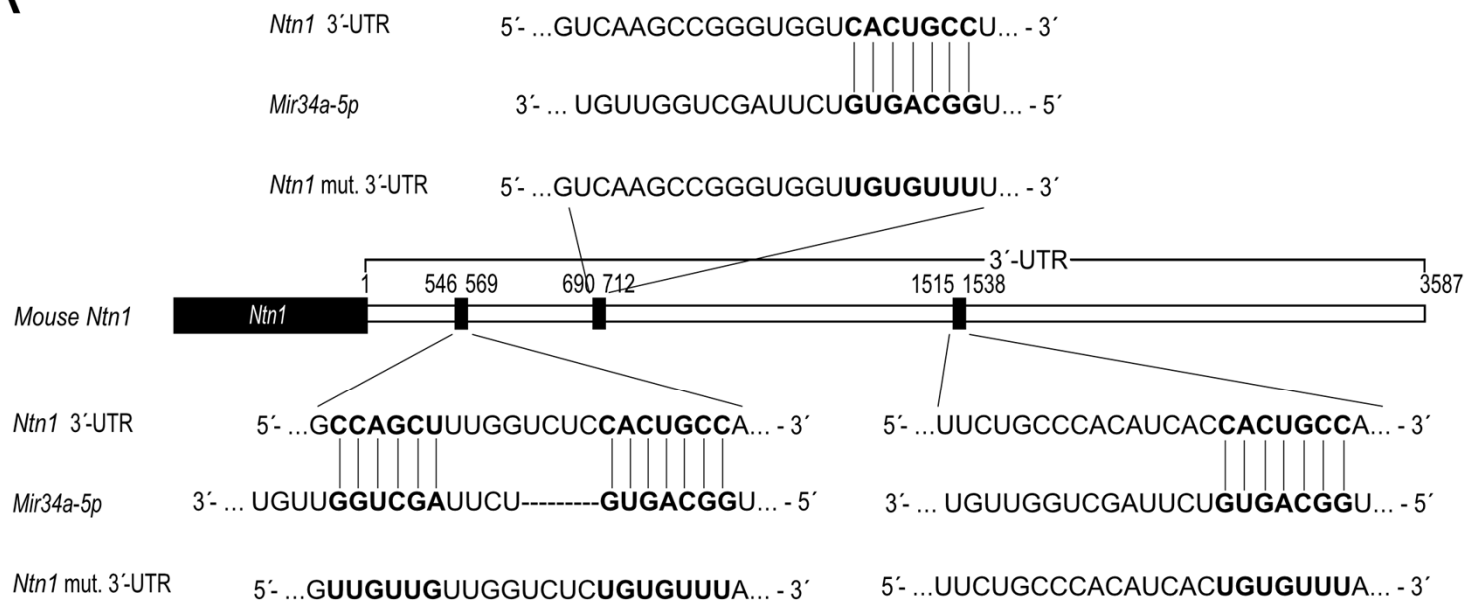
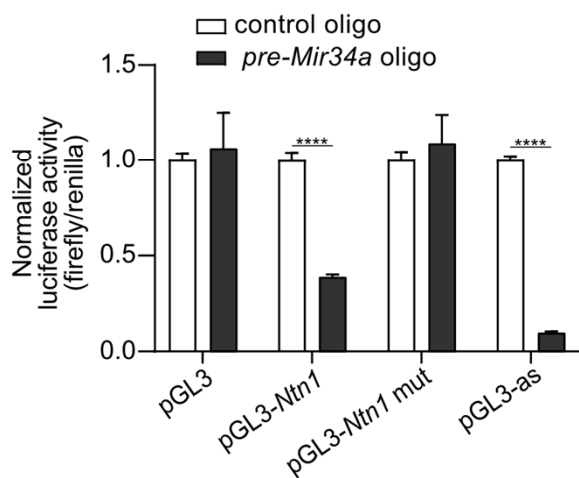
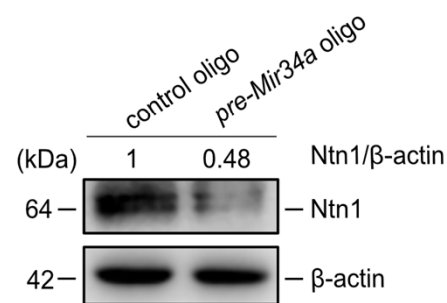
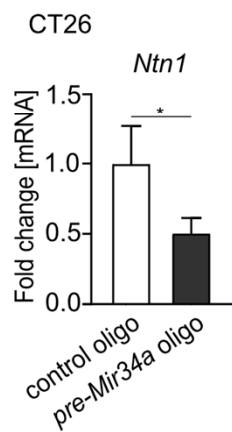
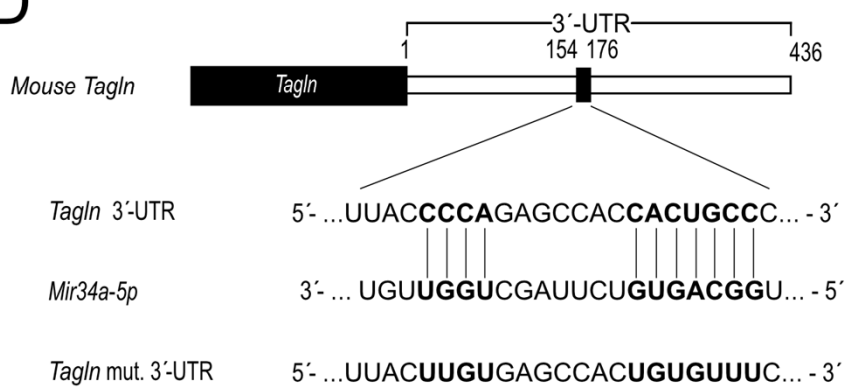
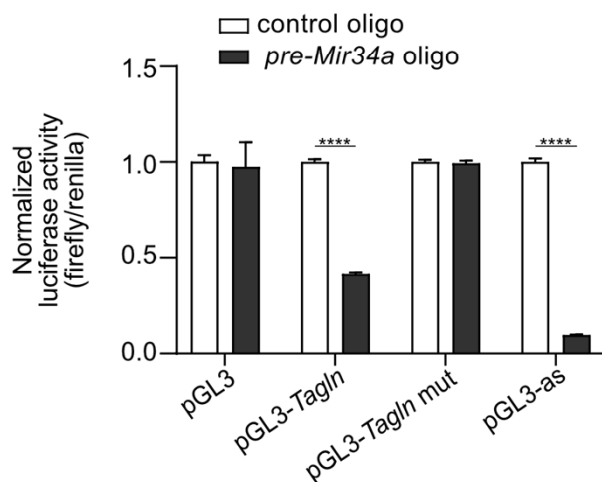
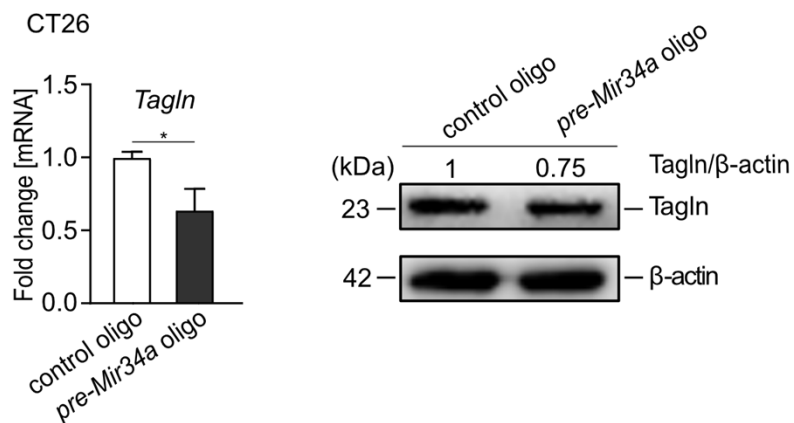
A**B****C****D****E****F**

Figure S3

Figure S3. Characterization of *Ntn1* and *Tagln* as direct targets of *Mir34a*.

A Scheme of the *Mir34a* seed, the seed-matching sequences and its targeted mutation in the 3'-UTR of mouse *Ntn1* mRNA.

B Dual-reporter assay after transfection of H1299 cells with the indicated *pre-Mir34a* oligonucleotides using the murine *Ntn1* 3'-UTR reporter.

C qPCR (left panel) and Western blot analysis (right panel) of *Ntn1* in CT26 cells after addition of *pre-Mir34a* oligonucleotides.

D Scheme of the *Mir34a* seed, the seed-matching sequences and its targeted mutation in the 3'-UTR of mouse *Tagln* mRNA.

E Dual-reporter assay after transfection of H1299 cells with the indicated *pre-Mir34a* oligonucleotides using the murine *Tagln* 3'-UTR reporter.

F qPCR (left panel) and Western blot analysis (right panel) of *Tagln* in CT26 cells after addition of *pre-Mir34a* oligonucleotides.

Data information: In (**B**, **C**, **E**, **F**), results are presented as mean \pm SD (n=3) using the two-tailed unpaired Student's t-test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, or **** $P < 0.0001$.

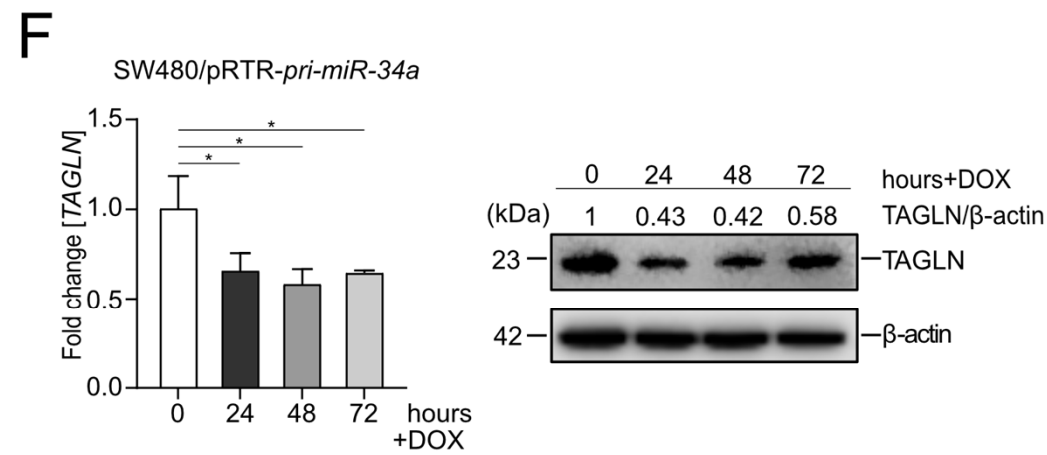
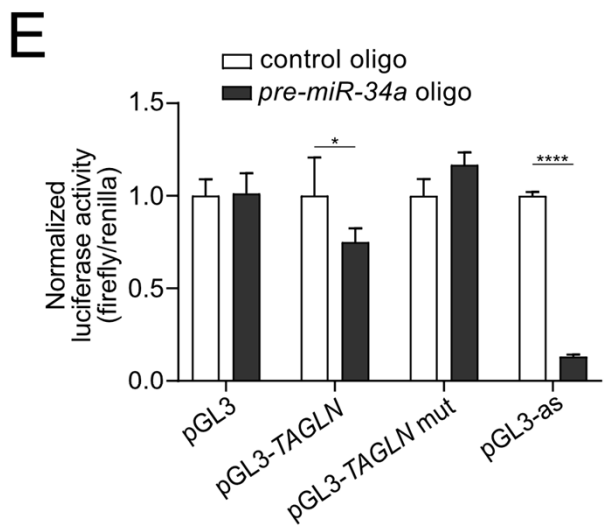
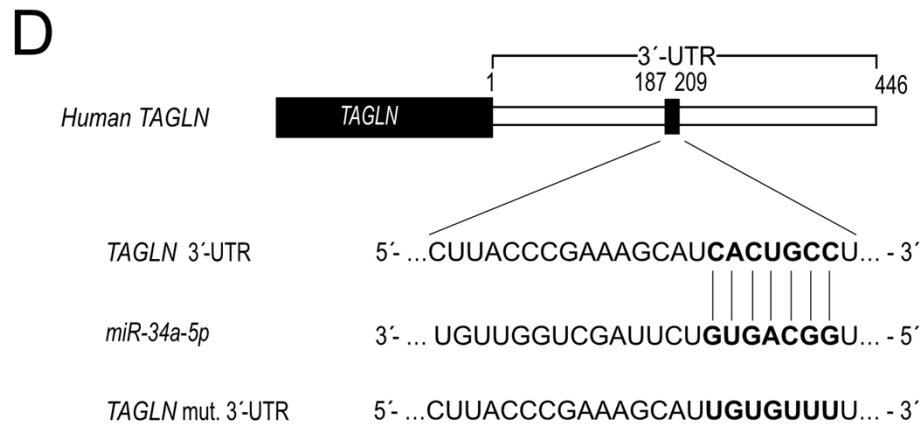
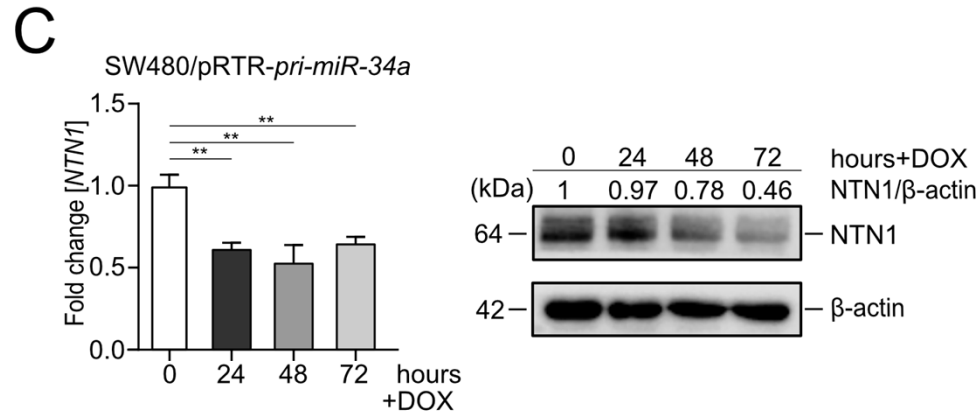
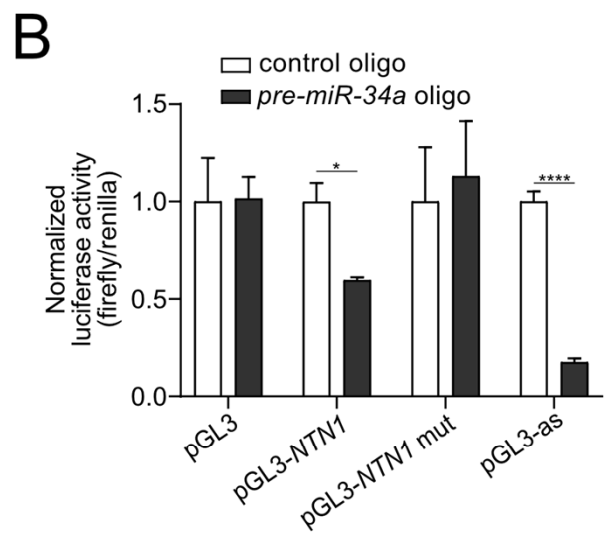
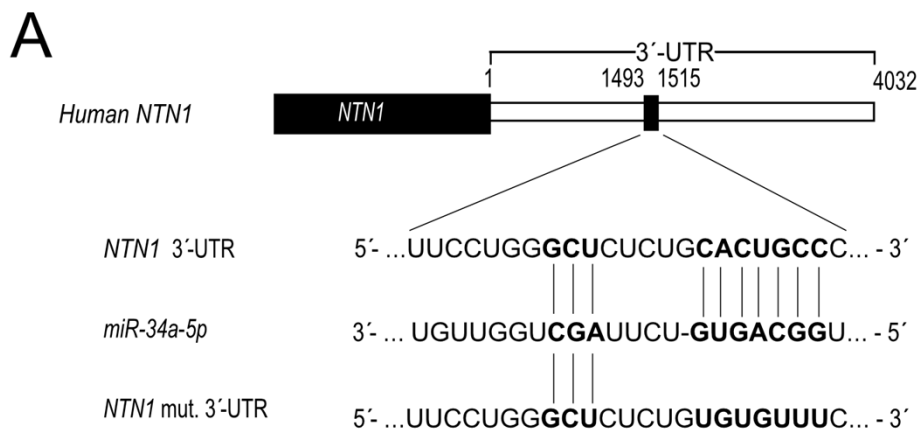


Figure S4

Figure S4. *NTN1* and *TAGLN* are the direct targets of miR-34a in human.

A Scheme of the miR-34a seed, the seed-matching sequences and its targeted mutation in the 3'-UTR of human *NTN1* mRNA.

B Dual-reporter assay after transfection of H1299 cells with the indicated *pre-miR-34a* oligonucleotides using the human *NTN1* 3'-UTR reporter.

C qPCR (left panel) and Western blot analysis (right panel) of *NTN1* in SW480/pRTR-*pri-miR-34a* cells after addition of DOX.

D Scheme of the miR-34a seed, the seed-matching sequences and its targeted mutation in the 3'-UTR of human *TAGLN* mRNA.

E Dual-reporter assay after transfection of H1299 cells with the indicated *pre-miR-34a* oligonucleotides using the human *TAGLN* 3'-UTR reporter.

F qPCR (left panel) and Western blot analysis (right panel) of *TAGLN* in SW480/pRTR-*pri-miR-34a* cells after addition of DOX.

Data information: In (**B**, **C**, **E**, **F**), results are presented as mean \pm SD (n=3) using the two-tailed unpaired Student's t-test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, or **** $P < 0.0001$.

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List of the significantly up-regulated and down-regulated mRNAs in *Csf1r*-deficient adenomas compared to *Apc*^{Min/+} adenomas.

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List of the significantly up-regulated and down-regulated mRNAs in *Csf1r/Mir34a*-deficient adenomas compared to *Apc*^{Min/+} adenomas.

Table S13, related to Figure 6D (upper panel).

List of the significantly up-regulated and down-regulated mRNAs in *Mir34a*-deficient tumoroids compared to *Apc*^{Min/+} tumoroids.

Table S14, related to Figure 6D (middle panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r*-deficient tumoroids compared to *Apc*^{Min/+} tumoroids.

Table S15, related to Figure 6D (lower panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r/Mir34a*-deficient tumoroids compared to *Apc*^{Min/+} tumoroids.

Table S1, related to Materials and Methods.

Oligonucleotides used for mouse genotyping.

Name	Sequence (5'-3')
<i>Csf1r</i> For	CATGGCTGTGGCCTAGAGA
<i>Csf1r</i> Rev	GGACTAGCCACCATGTCTCC
<i>miR-34a</i> For	ACCTTGCAGGTGCTCAGAAT
<i>miR-34a</i> Rev-a	TGGAGCTAACGGAGTGTGTG
<i>miR-34a</i> Rev-b	CTACCCAAGCTCGACGAAGT
<i>miR-34a</i> Rev-c	TGCAGCACTTCTAGGGCAGT
<i>Vil-Cre</i> For	CGCGAACATCTTCAGTTCT
<i>Vil-Cre</i> Rev	CAAGCCTGGCTCGACGGCC
<i>Apc</i> ^{Min} wt	GCCATCCCTTCACGTTAG
<i>Apc</i> ^{Min} com	TTCCACTTTGGCATAAGGC
<i>Apc</i> ^{Min} mut	TTCTGAGAAAGACAGAAGTTA

Table S2, related to Materials and Methods.

List of antibodies and reagents.

Name	Species	Catalog No.	Company	Use	Dilution	Source
CSF1R	Mouse	# SAB4500500	Sigma-Aldrich	IHC	1:100	Rabbit
MUC2	Mouse	E-AB-70212	Elabscience	IHC	1:2000	Rabbit
Lysozyme	Mouse	ab108508	Abcam	IHC	1:1000	Rabbit
Chromogranin A	Mouse	E-AB-40339	Elabscience	IHC	1:800	Rabbit
Ki-67	Mouse	#12202	Cell Signaling	IHC	1:400	Rabbit
Cleaved-Caspase-3	Mouse	#9664	CST	IHC, IF	1:500, 1:100	Rabbit
p-STAT3	Mouse	#9145	CST	IHC	1:200	Rabbit
Vimentin	Mouse	ab92547	Abcam	IHC	1:500	Rabbit
CD3	Mouse	A 0452	DAKO	IHC	1:100	Rabbit
CD45R	Mouse	550286	BD	IHC	1:100	Rat
CD68	Mouse	E-AB-70389	Elabscience	IHC	1:300	Rabbit
Ly6G	Mouse	E-AB-70094	Elabscience	IHC	1:400	Rabbit
β-catenin	Mouse	ab32572	Abcam	IHC	1:500	Rabbit
ImmPRESS REAGENT Anti-Rabbit IgG	Rabbit	MP-7401	Vector	IHC	Ready-to use	Horse
ImmPRESS REAGENT Anti-Rat IgG	Rat	MP-7444	Vector	IHC	Ready-to use	Goat
DAB Substrate Kit		SK-4100	Vector	IHC		

AEC Substrate Kit		ab64252	Abcam	IHC		
Anti-Rabbit-Cy3	Rabbit	711-165-152	Jackson Immuno-Research	IF	1:100	donkey
NTN1	Human/mouse	bs-1858R	Bioss Antibodies	WB	1:1000	Rabbit
TAGLN	Human/mouse	PA5-29767	Invitrogen	WB	1:1000	Rabbit
β -actin	Human/mouse	# A2066	Sigma-Aldrich	WB	1:1000	Rabbit
Anti-rabbit HRP	Rabbit	# A0545	Sigma	WB	1:10000	Goat

Table S3, related to Materials and Methods.

List of the oligonucleotides used for fluorescence in situ hybridization (FISH).

Name	Sequence (5'-3')	Company
universal eubacteria probe (EUB338)	[FITC]-5'-GCTGCCTCCCGTAGGAGT-3'	Metabion
negative control probe (NON338)	[Cy3]-5'-CGACGGAGGGCATCCTCA-3'	Metabion

Table S4, related to Materials and Methods.

List of the oligonucleotides and the primers used for cloning and mutagenesis.

Name	Sequence (5'-3')	Company
Murine <i>Csf1r</i> 3'-UTR For	ATTACCGGTACATATGGACTTCGC CCTCA	Metabion
Murine <i>Csf1r</i> 3'-UTR Rev	ATTCTGCAGGGTGTTTGT TGGTGTGGTCA	Metabion
Murine <i>Csf1r</i> 3'-UTR mutant For	CCCAGAGCCTGGGCCATCAGTCG GAGTGGGGTTCTCACAGT	Metabion
Murine <i>Csf1r</i> 3'-UTR mutant Rev	ACTGTGAGAACCCCACTCCGACTG ATGGCCCAGGCTCTGGG	Metabion
Murine <i>Ntn1</i> 3'-UTR For	ATTACCGGTTCTCCATCACCCGCT GTCTAGG	Metabion
Murine <i>Ntn1</i> 3'-UTR Rev	ATTCTGCAGAGAGTGAATCCCTGC CTCGCAG	Metabion
Murine <i>Ntn1</i> 3'-UTR mutant For-1	GTTGTTGGTCTCTGTGTTTACCTGC TGGGCTGGTCTCC	Metabion

Murine <i>Ntn1</i> 3'-UTR mutant Rev-1	ACACAGAGACCAACAACA ACTGAT CCCAGTGT CATCGGG	Metabion
Murine <i>Ntn1</i> 3'-UTR mutant For-2	GTGGTTGTGTTTTCTGCTGGAGCT GCCTGTG	Metabion
Murine <i>Ntn1</i> 3'-UTR mutant Rev-2	GCAGAAAACACAACCACCCGGCTT GACTTCA	Metabion
Murine <i>Ntn1</i> 3'-UTR mutant For-3	CCCACATCACTGTGTTTACTTACTG AGCACCTCTTGGTG	Metabion
Murine <i>Ntn1</i> 3'-UTR mutant Rev-3	AAACACAGTGATGTGGGCAGAAGT GGAG	Metabion
Murine <i>Tagln</i> 3'-UTR For	ATTGAATTCGCCTGCCTCACAAAT GCCTATG	Metabion
Murine <i>Tagln</i> 3'-UTR Rev	ATTCTGCAGTGGGCTGGGTCTCCT TCAAAGG	Metabion
Murine <i>Tagln</i> 3'-UTR mutant For-1	AGCCACTGTGTTTCTGGCCCCTGT TCCCAGCT	Metabion
Murine <i>Tagln</i> 3'-UTR mutant Rev-1	CCAGAAACACAGTGGCTCTGGGGT AAGATGCT	Metabion
Murine <i>Tagln</i> 3'-UTR mutant For-2	AGCCTGGCTGTAGGCCAGCCCACT GTCCTT	Metabion
Murine <i>Tagln</i> 3'-UTR mutant Rev-2	TGGCCTACAGCCAGGCTACCCCAG C	Metabion
Human <i>NTN1</i> 3'-UTR For	ATTGAATTCGTCTCCACTGCTACCT GCTG	Metabion
Human <i>NTN1</i> 3'-UTR Rev	ATTGATATCTCCCACAGGGTTGTC ATGAG	Metabion
Human <i>NTN1</i> 3'-UTR mutant For-1	GTGGTCACCGCCTCATGCTGGAGC TGCC	Metabion
Human <i>NTN1</i> 3'-UTR mutant Rev-1	CATGAGGCGGTGACCACCCGGCT TGGG	Metabion
Human <i>NTN1</i> 3'-UTR mutant For-2	TCTCTGTGTTTTCGGGCCTCTGG CCCACAT	Metabion
Human <i>NTN1</i> 3'-UTR mutant Rev-2	CCCGAAACACACAGAGAGCCCAG GAAGGCA	Metabion
Human <i>TAGLN</i> 3'-UTR For	ATTGAATTCCTTAGCCTGCCTCACC CACAC	Metabion
Human <i>TAGLN</i> 3'-UTR Rev	ATTGATATCACGGCAGCCAGGAAC ACATAC	Metabion

Human <i>TAGLN</i> 3'-UTR mutant For-1	GCATTGTGTTTTTGCCCTCCCT CCCGG	Metabion
Human <i>TAGLN</i> 3'-UTR mutant Rev-1	GGCCAAAACACAATGCTTTCGGG TAAGAAGTTGG	Metabion
Human <i>TAGLN</i> 3'-UTR mutant For-2	TTTGCCCTGGTCACTTTTGTATGG TTTCAGATCTG	Metabion
Human <i>TAGLN</i> 3'-UTR mutant Rev-2	AAAGTGACCAGGGCAAATCAAAC CTGCCA	Metabion
<i>pre-miR-34a</i> oligo	GGCCAGCUGUGAGUGUUUCUUUG GCAGUGUCUUAGCUGGUUGUUGU GAGCAAUAGUAAGGAAGCAAUCA GCAAGUAUACUGCCCUAGAAGUG CUGCACGUUGUGGGGCC	Thermo Fisher Scientific

Table S5, related to Materials and Methods.

List of primers used for qPCR.

Name	Sequence (5' - 3')
Mouse- <i>Cyclophilin</i> -for	ATGGTCAACCCACCGTGT
Mouse- <i>Cyclophilin</i> -rev	TTCTGCTGTCTTTGGAACCTTGTGTC
Mouse- <i>β-actin</i> -for	CTAAGGCCAACCGTGAAAAG
Mouse- <i>β-actin</i> -rev	ACCAGAGGCATACAGGGACA
Mouse- <i>B2M</i> -for	CCGGCCTGTATGCTATCC
Mouse- <i>B2M</i> -rev	CTTGCTGAAGGACATATCTGACA
Mouse- <i>Csf1r</i> -for	CCCCACAGATAAAATTGGAGCC
Mouse- <i>Csf1r</i> -rev	TTGAATCCCCTTCGGCGTT
Mouse- <i>pri-mir-34a</i> -for	CTGTGCCCTCTTGCAAAA
Mouse- <i>pri-mir-34a</i> -rev	GGACATTCAGGTGAGGGT
Mouse- <i>Dkk2</i> -for	CGGCATAGAGATCGCAACCATG
Mouse- <i>Dkk2</i> -rev	GCAGTCTGATGACCGTAGGCAT
Mouse- <i>Fzd10</i> -for	CTGGCTTGCTACCTAGTCATCG
Mouse- <i>Fzd10</i> -rev	TGCGTACCATGAGCTTCTCCAG
Mouse- <i>Wnt10a</i> -for	GCTCCTGTTCTTCTACTGCTG
Mouse- <i>Wnt10a</i> -rev	ATGTCAGGCACACTGTGTTGGC

Mouse- <i>Clec16a</i> -for	GAACACCACAGACGAGGAGAAG
Mouse- <i>Clec16a</i> -rev	CATACAGGAGGCAGAGCACGAA
Mouse- <i>Slc14a1</i> -for	TGGCTGTGTAGGAAGTGTGGTC
Mouse- <i>Slc14a1</i> -rev	GGTGGCATTGTAACCTTGGAGC
Mouse- <i>Ptprm</i> -for	AGAGGAAGGAGACGATGAGCAG
Mouse- <i>Ptprm</i> -rev	AGAAGGCTTCGTGCGCAGTTGGT
Mouse- <i>Ntn1</i> -for	GTCTGGTGTGTGACTGTAGGCA
Mouse- <i>Ntn1</i> -rev	CCGAGCATGGAGGTTGCAGTTG
Mouse- <i>Tagln</i> -for	ATATGGAGCCTGTGTGGAGTG
Mouse- <i>Tagln</i> -rev	CACTGGCTTCGATCCCTCAG
Mouse- <i>Dab2</i> -for	CTCTTCAAAGGCAATGCTCCTGC
Mouse- <i>Dab2</i> -rev	TATGGCTCCTGGGACCACAGTT
Mouse- <i>Grem1</i> -for	AGGTGCTTGAGTCCAGCCAAGA
Mouse- <i>Grem1</i> -rev	TCCTCGTGGATGGTCTGCTTCA
Mouse- <i>Atp2b4</i> -for	CACCATCTCACTAGCCTACTCTG
Mouse- <i>Atp2b4</i> -rev	AGTGTGCCTGTCTTATCGGAGC
Mouse- <i>Ank2</i> -for	ATCGGAGTCAGATCAAGAGCCG
Mouse- <i>Ank2</i> -rev	AAGCCAGCCTTTCTTCCATCCG
Mouse- <i>Igf2</i> -for	CTTCAGTTTGTCTGTTCCGACCG
Mouse- <i>Igf2</i> -rev	GTGGCACAGTATGTCTCCAGGA
Mouse- <i>Notch2</i> -for	CCACCTGCAATGACTTCATCGG
Mouse- <i>Notch2</i> -rev	TCGATGCAGGTGCCTCCATTCT
Mouse- <i>Epha4</i> -for	GGCTATACTGACAAGCAGAGGAG
Mouse- <i>Epha4</i> -rev	GGAAAGCATCCAAGGAGCCGTT
Mouse- <i>Sesn3</i> -for	GCGCATGTATGACAGCTACTGG
Mouse- <i>Sesn3</i> -rev	TCAGATGCCGAGTTATGGCTCG
Mouse- <i>Lef1</i> -for	ACTGTCAGGCGACACTTCCATG
Mouse- <i>Lef1</i> -rev	GTGCTCCTGTTTGACCTGAGGT
Mouse- <i>Jag1</i> -for	TGCGTGGTCAATGGAGACTCCT
Mouse- <i>Jag1</i> -rev	TCGCACCGATAACCAGTTGTCTC
Mouse- <i>Prickle1</i> -for	AACAGCTCCTGTACCAGTTGCC

Mouse- <i>Prickle1</i> -rev	CTTCCTCTGAGCACTGAACACC
Mouse- <i>Fgf9</i> -for	ACAGTGGACTCTACCTCGGCAT
Mouse- <i>Fgf9</i> -rev	GGTTGGAAGAGTAGGTGTTGTAC
Mouse- <i>Npnt</i> -for	GGAGCTACATCTGCAAGTGTCAC
Mouse- <i>Npnt</i> -rev	GCTACACTGGTGCTGTCCAAGA
Mouse- <i>Adam10</i> -for	TGCACCTGTGCCAGCTCTGATG
Mouse- <i>Adam10</i> -rev	GATAGTCCGACCACTGAACTGC
Mouse- <i>Notch1</i> -for	GCAGATGCTCAGGGTGTCTT
Mouse- <i>Notch1</i> -rev	GCCAGGATCAGTGGAGTTGT
Mouse- <i>Snai1</i> -for	CACACGCTGCCTTGTGTCT
Mouse- <i>Snai1</i> -rev	GGTCAGCAAAGCACGGTT
Human- <i>TAGLN</i> -for	CTTCCCTCTGACACATGCGG
Human- <i>TAGLN</i> -rev	GTCAGTGGGACACAGTGAGGC
Human- <i>NTN1</i> -for	CTGTCCCTCGGCAAGAAGTT
Human- <i>NTN1</i> -rev	GTAGATGGCCATGGACTCGG
Human- β - <i>actin</i> -for	TGACATTAAGGAGAAGCTGTGCTAC
Human- β - <i>actin</i> -rev	GAGTTGAAGGTAGTTTCGTGGATG

Table S6, related to Materials and Methods.

STAT3-related public datasets used to identify potential STAT3 target genes

Microarray/RNA-seq datasets :		
	ectopic STAT3 expression	
Homo sapiens	MKN28, const. active STAT3	GSE78714
Mus musculus	mammary tumor, const. active STAT3	GSE17182
Mus musculus	MEFs, const. active STAT3	GSE21507
Microarray/RNA-seq datasets :		
	STAT3 knockout/knockdown	
Homo sapiens	DU145 STAT3 siRNA	GSE25944
Homo sapiens	A375 STAT3 siRNA	GSE31534
Homo sapiens	HCC1143 STAT3 siRNA	GSE85579
Homo sapiens	HCC70 STAT3 siRNA	GSE85579
Homo sapiens	MDA231 STAT3 siRNA	GSE85579
Homo sapiens	MDA157 STAT3 siRNA	GSE85579
Homo sapiens	MDA468 STAT3 siRNA	GSE85579
Homo sapiens	LY10 STAT3 siRNA	GSE106844
Homo sapiens	TMD8 STAT3 siRNA	GSE106844
Homo sapiens	Du145 STAT3 siRNA	GSE17482
Homo sapiens	Hela - STAT3 KO	GSE108495
Homo sapiens	SKOV STAT3 KO	GSE134375
Homo sapiens	OV3 STAT3 KO	GSE134375
Homo sapiens	OV8 STAT3 KO	GSE134375
Homo sapiens	CWR STAT3 siRNA	GSE17482
Homo sapiens	SKOV STAT3 siRNA	GSE20597
Mus musculus	STAT3 KO	GSE6846
Mus musculus	STAT3 KO	GSE151447
STAT3 ChIP-Seq datasets		
Homo sapiens	Tumor cells	GSM2278006
Homo sapiens	OCI-Ly7; B cell lymphoma; Blood	GSM1227207
Homo sapiens	MCF-10A; Epithelium; Breast	GSM935457
Homo sapiens	MDA-MB-231; mDA	GSM2278002
Homo sapiens	HCC1143	GSM2278010
Homo sapiens	U-2932; B Lymphocyte	GSM1227212
Homo sapiens	OCI-Ly3; B Lymphocyte; Bone Marrow	GSM1227206
Homo sapiens	H358; Lung	GSM2752894
Homo sapiens	SU-DHL4; B Lymphocyte; Peritoneal Effusion	GSM1227210
Homo sapiens	HCC70; Epithelium; Breast	GSM2278004
Homo sapiens	OCI-Ly10; B Lymphocyte; Bone Marrow	GSM1227204
Homo sapiens	MDA-MB-157; mDA	GSM2278001
Homo sapiens	MDA-MB-468; mDA	GSM2278009

Homo sapiens	SU-DHL2; B Lymphocyte	GSM1227209
Mus musculus	Mammary Gland	GSM2300477
Mus musculus	Th17	GSM1004860
Mus musculus	AtT-20; Corticotroph; Pituitary	GSM926625
Mus musculus	Embryonic Stem Cell	GSM2561450
Mus musculus	T Lymphocyte	GSM1601733
Mus musculus	T Lymphocyte; Blood	GSM494691
Mus musculus	Dendritic Cell; Spleen	GSM671415
Mus musculus	AtT-20; Corticotroph; Pituitary	GSM2445278
Mus musculus	T Lymphocyte; Spleen	GSM1543812
Mus musculus	T Lymphocyte; Blood	GSM580756
Mus musculus	in vitro polarized Th17 T cells	GSM540722
Mus musculus	primary CD4+ T cells	GSM652877
	Primary Cortical Oligodendrocyte	
Mus musculus	Progenitor (OLP) cells	GSM2650745

Table S7, related to Materials and Methods.

IL6/STAT3-related public datasets used to identify potential STAT3 target genes

Microarray/RNA-seq		
datasets :	IL6-treatment	
Homo sapiens	MCF7 + IL6 1h	GSE126003
Homo sapiens	T47D + IL6 1h	GSE126003
Homo sapiens	DLD1 +IL6 24h	GSE149262
Homo sapiens	CMEC/D3 +IL6 72h	GSE138309
Homo sapiens	airways epithelial cells +IL6	GSE113185
Homo sapiens	macrophages +IL6	GSE123603
Homo sapiens	ANBL6 MM +IL6 24h	GSE115558
Homo sapiens	FLAM76 MM +IL6 24h	GSE115558
Homo sapiens	HUVEC +IL6	GSE163649
Homo sapiens	endothelial cells +IL6 1h	GSE19082
Homo sapiens	macrophages +IL6 4h	GSE8515
Homo sapiens	HepG2 +IL6 4h	GSE411
Homo sapiens	HK2 +IL6 1.5h	GSE68826
Homo sapiens	HK2 +IL6 1.5h	GSE68940
Homo sapiens	keratinocytes +IL6 24h	GSE53751
Homo sapiens	trachea cells +IL6 24h	GSE67361
Mus musculus	macrophages +IL6 6h	GSE411
Mus musculus	hepatocytes +IL6 4h	GSE21031
Mus musculus	liver +IL6 1h	GSE21060
Mus musculus	gastric tumors +IL6 1h	GSE43800
Mus musculus	hepatocytes +IL6 24h	GSE69928
STAT3 ChIP-Seq		
datasets		
Homo sapiens	Tumor cells	GSM2278006
Homo sapiens	OCI-Ly7; B cell lymphoma; Blood	GSM1227207
Homo sapiens	MCF-10A; Epithelium; Breast	GSM935457
Homo sapiens	MDA-MB-231; mDA	GSM2278002
Homo sapiens	HCC1143	GSM2278010
Homo sapiens	U-2932; B Lymphocyte	GSM1227212
Homo sapiens	OCI-Ly3; B Lymphocyte; Bone Marrow	GSM1227206
Homo sapiens	H358; Lung	GSM2752894
Homo sapiens	SU-DHL4; B Lymphocyte; Peritoneal Effusion	GSM1227210
Homo sapiens	HCC70; Epithelium; Breast	GSM2278004
Homo sapiens	OCI-Ly10; B Lymphocyte; Bone Marrow	GSM1227204
Homo sapiens	MDA-MB-157; mDA	GSM2278001
Homo sapiens	MDA-MB-468; mDA	GSM2278009
Homo sapiens	SU-DHL2; B Lymphocyte	GSM1227209
Mus musculus	Mammary Gland	GSM2300477
Mus musculus	Th17	GSM1004860
Mus musculus	AtT-20; Corticotroph; Pituitary	GSM926625
Mus musculus	Embryonic Stem Cell	GSM2561450
Mus musculus	T Lymphocyte	GSM1601733

Mus musculus	T Lymphocyte; Blood	GSM494691
Mus musculus	Dendritic Cell; Spleen	GSM671415
Mus musculus	AtT-20; Corticotroph; Pituitary	GSM2445278
Mus musculus	T Lymphocyte; Spleen	GSM1543812
Mus musculus	T Lymphocyte; Blood	GSM580756
Mus musculus	in vitro polarized Th17 T cells	GSM540722
Mus musculus	primary CD4+ T cells	GSM652877
Mus musculus	Primary Cortical Oligodendrocyte Progenitor (OLP) cells	GSM2650745

Table S8, related to Materials and Methods.

c-JUN-related public datasets used to identify potential c-JUN target genes

Microarray/RNA-seq datasets :	ectopic c-JUN expression	
Homo sapiens	141 cells cJUN OE	GSE57520
Homo sapiens	510 cells cJUN OE	GSE57520
Homo sapiens	LPS12 cells cJUN OE	GSE57520
Mus musculus	mouse ESC cJUN OE	GSE50776
Mus musculus	mouse MEF cJUN OE	GSE50776
Microarray/RNA-seq datasets :	c-JUN knockout/knockdown	
Homo sapiens	BT549 cJUN siRNA	GSE71915
Mus musculus	mouse MEF cJUN KO	GSE26205
Mus musculus	mouse ESC cJUN KO	GSE127925
c-JUN ChIP-Seq datasets		
Homo sapiens	A549; Epithelium; Lung	GSM2437886
Homo sapiens	K562; Erythroblast; Bone Marrow	GSM935467
Homo sapiens	MDA-MB-231; Epithelium; Breast	GSM3070218
Homo sapiens	MDA-MB-231; Epithelium; Breast	GSM1700785
Homo sapiens	JHU-06; Endothelial Cell	GSM2576177
Homo sapiens	K562; Erythroblast; Bone Marrow	GSM935569
Homo sapiens	hESC; Embryonic Stem Cell	GSM2945834
Homo sapiens	Coronary artery smooth muscle	GSM1503219
Homo sapiens	LoVo; Colon	GSM1239467
Homo sapiens	Calu-3; Lung	GSM2266291
Homo sapiens	MCF-7; Epithelium; Breast	GSM2736190
Mus musculus	BMDM; Bone Marrow	GSM2974800
Mus musculus	Bone Marrow	GSM2974851
Mus musculus	CH12; Lymphoblastoid; Blood	GSM912901
Mus musculus	T Lymphocyte; Blood	GSM978770
Mus musculus	Chondrocyte; Rib	GSM1891979
Mus musculus	3T3-L1; Preadipocyte; Adipose	GSM1370451
Mus musculus	Th17; Spleen	GSM978770
Mus musculus	Myoblast; Muscle	GSM1354747

Table S9, related to Materials and Methods.

SRF-related public datasets used to identify potential SRF target genes

Microarray/RNA-seq datasets :	ectopic SRF expression / SRF induction	
Mus musculus	MEFs, serum-induction	GSE45888
Mus musculus	MEFs, TPA-treatment	GSE75667
Mus musculus	cardiomyocytes, Srf OE	GSE116030
Mus musculus	Neural progenitor cells, Srf OE	GSE90034
Microarray/RNA-seq datasets :	SRF knockout/knockdown	
Mus musculus	Srf KO cardiomyocyte, postnatal day 14	GSE109425
Mus musculus	Srf KO cardiomyocyte, postnatal day 90	GSE109425
SRF ChIP-Seq datasets		
Homo sapiens	HCT-116; Colon	GSM1010851
Homo sapiens	HUES64; Embryonic Stem Cell; Embryo	GSM1505777
Homo sapiens	ECC-1; Epithelium; Endometrium	GSM1010762
Homo sapiens	MCF-7; Epithelium; Breast	GSM1010839
Homo sapiens	A673; Polygonal; Muscle	GSM2436678
Homo sapiens	H1; Embryonic Stem Cell; Embryo	GSM803425
Homo sapiens	K562; Erythroblast; Bone Marrow	GSM803520
Homo sapiens	GM12878; B Lymphocyte; Blood	GSM803477
Homo sapiens	HepG2; Epithelium; Liver	GSM803502
Mus musculus	Neural Progenitor Cell	GSM2835909
Mus musculus	HL-1; Cardiomyocyte; Muscle	GSM471926
Mus musculus	Macrophage; Bone Marrow	GSM1645124
Mus musculus	MEFs; Embryonic Fibroblast	GSM1963110
Mus musculus	10T1/2; Fibroblast; Embryo	GSM992343
Mus musculus	Smooth Muscle Cell; Muscle	GSM3069844
Mus musculus	HL-1; Cardiomyocyte; Muscle	GSM558907
Mus musculus	NIH-3T3; Fibroblast; Embryo	GSM1118304
Mus musculus	Cornea	GSM1310233
Mus musculus	C2C12; Myoblast; Muscle	GSM915168
Mus musculus	Cornea	GSM1310232

Table S10, related to Figure 6B (upper panel).

List of the significantly up-regulated and down-regulated mRNAs in *Mir34a*-deficient adenomas compared to *Apc*^{Min/+} adenomas.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Rps3a3</i>	7365.848	7.900	5.03E-192	<i>Gabarapl2</i>	3202.215	-0.303	0.029481797
<i>Fabp6</i>	767.475	6.368	0.01538984	<i>Ergic3</i>	5896.202	-0.307	0.004985113
<i>Plb1</i>	1915.384	6.354	0.022477423	<i>Spns1</i>	1388.700	-0.316	0.027956778
<i>Defa2</i>	1181.559	6.155	0.000655073	<i>Irf2</i>	2226.794	-0.321	0.039577983
<i>Rpl3-ps1</i>	3154.752	5.619	7.35E-29	<i>Prdx1</i>	43626.677	-0.328	0.013437061
<i>Ighv1-14</i>	88.538	5.483	0.004199661	<i>Gstp1</i>	9014.622	-0.333	0.013909296
<i>Gm15308</i>	4457.504	5.439	0.003596828	<i>Ndufs2</i>	11298.639	-0.370	0.045873581
<i>Rps15a-ps8</i>	276.792	5.394	0.002694744	<i>Ilngr2</i>	8121.770	-0.371	0.046564398
<i>Rps3a2</i>	4774.443	5.315	8.82E-134	<i>Pias4</i>	1121.766	-0.373	0.047914688
<i>Gm3608</i>	805.717	4.473	3.25E-17	<i>Cldn3</i>	8208.716	-0.376	0.036137412
<i>Rps13-ps1</i>	1983.568	4.431	0.007955448	<i>Tarbp2</i>	1136.451	-0.378	0.031695187
<i>Defa21</i>	3706.476	4.322	0.006304795	<i>Yeats4</i>	1733.899	-0.383	0.012563872
<i>AA465934</i>	77.127	4.297	2.13E-20	<i>Ctla</i>	7721.149	-0.397	0.009153475
<i>Defa22</i>	3855.396	4.265	0.002466613	<i>Reps1</i>	1045.399	-0.428	0.030962392
<i>Defa20</i>	8548.141	4.142	0.004196561	<i>Atox1</i>	1836.608	-0.429	0.028218178
<i>Gm7861</i>	3360.437	4.073	0.000323885	<i>Cers2</i>	5373.356	-0.441	0.01538984
<i>Art2a-ps</i>	183.008	3.650	8.50E-13	<i>Pgap2</i>	1416.924	-0.442	0.006777366
<i>Gm45187</i>	65.610	3.650	0.001411018	<i>Gadd45a</i>	1024.789	-0.448	0.009020599
<i>Gm14851</i>	1259.746	3.649	0.000145422	<i>Rpl23a-ps3</i>	10540.275	-0.453	0.029481797
<i>Defa26</i>	114.578	3.503	0.000417858	<i>Ptms</i>	8250.755	-0.454	0.043934443
<i>Ighv1-79</i>	14.107	3.476	0.01538984	<i>Mknk2</i>	5343.088	-0.463	0.014760848
<i>Myo18b</i>	134.365	3.398	6.65E-25	<i>Chp1</i>	12646.494	-0.464	0.007879368
<i>BC021767</i>	64.456	3.391	0.001147298	<i>Erb2</i>	3870.487	-0.479	0.033014213
<i>Aqp4</i>	261.910	3.359	1.54E-07	<i>Slc22a18</i>	2124.810	-0.485	0.048792327
<i>Defa-rs1</i>	1201.228	3.163	2.14E-11	<i>Atg2a</i>	1473.816	-0.488	0.008790228
<i>Miat</i>	22.298	3.108	0.002253683	<i>Mrp148</i>	1607.691	-0.489	0.013402095
<i>Defa5</i>	2904.156	3.066	0.01475314	<i>Gins4</i>	846.685	-0.490	0.011241874
<i>Gm14850</i>	6012.373	3.039	0.035921244	<i>Hmgb1</i>	4378.909	-0.490	0.000655073
<i>Hand1</i>	27.773	3.007	0.01278381	<i>Prr15l</i>	4483.967	-0.490	0.009259377
<i>Nrcam</i>	42.075	2.995	0.00586178	<i>Sdf2</i>	2426.141	-0.518	0.012190125
<i>Thbs4</i>	83.274	2.955	0.020008038	<i>Gsto1</i>	11944.443	-0.523	0.021332972
<i>AY761184</i>	1350.587	2.947	0.027503502	<i>Tpra1</i>	959.220	-0.524	0.014760848
<i>Defa3</i>	550.794	2.911	0.02480173	<i>Ccdc34</i>	4462.785	-0.525	0.000782987
<i>Kcne4</i>	199.865	2.890	0.007303028	<i>Irf6</i>	7954.086	-0.535	0.011338462
<i>Duox1</i>	26.797	2.844	0.002836718	<i>Prune</i>	1687.158	-0.542	2.91E-05
<i>Golga7b</i>	25.428	2.817	0.004387201	<i>1700037H04Rik</i>	874.154	-0.546	0.045873581
<i>Lipf</i>	657.991	2.750	0.036908696	<i>Mrp19</i>	2542.514	-0.559	0.000380263
<i>Mamdc2</i>	20.509	2.746	0.011941856	<i>Lfn3</i>	859.884	-0.559	0.02934946
<i>Gpr182</i>	156.057	2.742	7.82E-10	<i>Rnf41</i>	972.869	-0.564	0.027503502
<i>Dgkb</i>	29.136	2.692	0.01250952	<i>Phldb3</i>	328.312	-0.571	0.037543532
<i>Calb2</i>	19.154	2.634	0.006097704	<i>Cdc42ep5</i>	2133.673	-0.578	0.025068965
<i>Rfx6</i>	37.882	2.583	0.030360614	<i>Plin2</i>	3099.749	-0.588	0.002086621
<i>Pcdhgb7</i>	62.021	2.582	0.023879709	<i>Tcaf2</i>	1069.726	-0.589	0.002384009
<i>Scn7a</i>	72.802	2.579	0.003431915	<i>Grb7</i>	3886.749	-0.605	0.009630487
<i>Grem1</i>	2077.216	2.567	0.018053765	<i>Fbln1</i>	3926.405	-0.611	0.008493992
<i>Gm20633</i>	26.420	2.558	0.025806832	<i>Gm19680</i>	629.006	-0.618	0.041547738
<i>Gm15284</i>	4958.415	2.554	0.01250952	<i>Atg101</i>	1338.362	-0.621	0.007961059
<i>Kcna2</i>	34.843	2.538	0.009144102	<i>Krt23</i>	8932.446	-0.622	0.034723281
<i>Angptl1</i>	20.343	2.514	0.008806327	<i>Mettl23</i>	485.021	-0.644	0.037857791
<i>Scgb3a1</i>	19.532	2.486	0.00689615	<i>Aamd</i>	916.824	-0.648	0.004578594
<i>Susd2</i>	1132.678	2.446	0.02934946	<i>Ing4</i>	1571.023	-0.658	0.00173874
<i>Retnlb</i>	332.232	2.417	2.35E-05	<i>St3gal6</i>	1880.357	-0.659	0.032240436
<i>Tmem116</i>	34.355	2.416	0.000245695	<i>Apobec3</i>	3317.659	-0.667	0.019296155
<i>Scara5</i>	53.498	2.414	0.001512289	<i>Shisa2</i>	1372.872	-0.688	0.001646867
<i>Tmem100</i>	33.667	2.409	0.000481879	<i>Rarg</i>	694.579	-0.710	0.009020599
<i>Chrm2</i>	171.085	2.345	0.004196561	<i>Capza1</i>	7491.254	-0.714	0.018573937
<i>Scn3b</i>	93.753	2.345	0.006795926	<i>Slc26a6</i>	4021.419	-0.714	0.013402095
<i>Mfap4</i>	133.454	2.313	8.80E-05	<i>Eif3j1</i>	1293.122	-0.716	0.013192269
<i>Kcnn3</i>	38.473	2.286	0.002203296	<i>Rpl28</i>	10034.868	-0.719	0.001462614
<i>Slit3</i>	99.178	2.284	5.76E-06	<i>Nectin4</i>	653.866	-0.721	0.024939507
<i>Lgr6</i>	39.258	2.284	0.009153475	<i>Ptgr1</i>	11085.631	-0.724	0.007876924
<i>Slc22a3</i>	38.608	2.277	0.014064026	<i>Zfp1</i>	3487.555	-0.728	0.000199802
<i>Kcnip2</i>	27.307	2.270	0.040486325	<i>Cdc25b</i>	1056.552	-0.730	0.012586633
<i>6330403A02Rik</i>	65.759	2.268	0.000265291	<i>Rpl3</i>	36457.453	-0.735	0.000664812
<i>Ackr1</i>	38.321	2.264	0.008687209	<i>Pp1fbp2</i>	1386.982	-0.749	0.009020599
<i>Gcg</i>	89.144	2.260	9.86E-05	<i>Ovol2</i>	398.038	-0.763	0.035524674
<i>Fbln2</i>	128.008	2.256	1.25E-05	<i>AA467197</i>	5407.425	-0.775	0.01191737
<i>Pgm5</i>	344.438	2.237	6.07E-06	<i>Klhl42</i>	882.789	-0.788	0.030360614
<i>Diras2</i>	29.314	2.220	0.008493992	<i>Sytl4</i>	215.104	-0.791	0.012035597
<i>Tnfrsf8</i>	14.841	2.219	0.009020599	<i>Scnm1</i>	685.689	-0.807	0.000499371
<i>Vstm2b</i>	53.779	2.219	0.045873581	<i>Gm42528</i>	215.563	-0.876	0.034723281
<i>Adamts13</i>	50.448	2.211	0.010044251	<i>Rplp0</i>	60447.318	-0.879	0.033505958
<i>Sdk1</i>	32.962	2.210	0.027503502	<i>Rheb1</i>	169.444	-0.893	0.039189471
<i>Chrd1</i>	107.589	2.198	0.023700698	<i>Ltbp4-1</i>	2946.853	-0.899	0.034223382
<i>Olfm4</i>	1117.010	2.197	0.000180627	<i>Epn3</i>	992.638	-0.914	0.004728021
<i>Hsd11b1</i>	145.683	2.191	2.25E-06	<i>Pop4</i>	934.059	-0.925	2.09E-08
<i>Kcnma1</i>	39.678	2.189	0.006171304	<i>Gsta4</i>	2253.318	-0.933	0.017731618
<i>Ildr2</i>	215.074	2.181	0.002088621	<i>Gnal</i>	1382.861	-0.940	0.001540291
<i>Popdc2</i>	47.047	2.174	0.034723281	<i>Ckb</i>	6138.712	-0.957	0.017165872

<i>Defa17</i>	8516.947	2.172	1.61E-06	<i>Pccb</i>	4874.959	-0.960	8.08E-05
<i>Slc14a1</i>	456.593	2.170	0.027503502	<i>Foxq1</i>	2665.362	-1.002	0.034223382
<i>Chrdl2</i>	79.967	2.168	0.02682833	<i>Plcd3</i>	525.744	-1.025	0.002775875
<i>Mgp</i>	177.467	2.166	0.000792201	<i>Rbbp8nl</i>	144.988	-1.050	0.041007313
<i>Hcar1</i>	27.790	2.164	0.017165872	<i>Prss12</i>	1416.146	-1.084	0.000631404
<i>Myh11</i>	3067.121	2.153	0.000414054	<i>4930523C07Rik</i>	763.511	-1.086	0.001240333
<i>Serpina3f</i>	119.859	2.150	0.040486325	<i>Sord</i>	6041.751	-1.090	0.014345091
<i>Wscd2</i>	23.518	2.148	0.030689281	<i>Jmjd7</i>	190.205	-1.093	0.014064026
<i>Bmpr1b</i>	11.583	2.142	0.040486325	<i>Slc46a1</i>	2152.544	-1.101	0.008724678
<i>Fgfbp1</i>	190.898	2.141	0.000732548	<i>Fer1l4</i>	931.099	-1.102	0.029481797
<i>Fmo2</i>	207.033	2.136	0.035524674	<i>T</i>	1084.098	-1.117	0.014064026
<i>Defa24</i>	14430.425	2.133	1.74E-05	<i>Hist1h2bc</i>	3224.411	-1.118	0.012331324
<i>Fgl1</i>	47.000	2.116	0.043273222	<i>Hist2h2be</i>	252.395	-1.208	0.023134605
<i>Pyroxd2</i>	139.202	2.108	5.62E-05	<i>Aadac</i>	1301.692	-1.230	0.030962392
<i>Cd177</i>	2520.281	2.094	5.94E-06	<i>Prr18</i>	1073.154	-1.232	8.34E-05
<i>Chl1</i>	58.221	2.093	0.0010807	<i>Cyp2c68</i>	991.413	-1.315	0.019743052
<i>Cadm3</i>	45.212	2.064	0.000198378	<i>Hr</i>	1810.114	-1.320	0.044858355
<i>Ifi205</i>	88.261	2.058	1.71E-08	<i>2310058D17Rik</i>	36.065	-1.332	0.035243839
<i>Pln</i>	42.448	2.057	0.025068965	<i>2210407C18Rik</i>	11009.390	-1.376	0.020749515
<i>Egfl6</i>	68.381	2.035	0.037466502	<i>Car2</i>	1009.671	-1.403	0.046094557
<i>Exd1</i>	39.342	2.033	0.000128272	<i>Grhl3</i>	703.120	-1.430	4.69E-05
<i>Adamts5</i>	36.693	2.019	0.007876924	<i>Spag4</i>	37.618	-1.471	0.027503502
<i>Arhgap44</i>	77.808	1.992	0.000481879	<i>1700020L24Rik</i>	208.739	-1.608	0.027581575
<i>Rspo3</i>	79.339	1.966	0.00230325	<i>Gm13408</i>	91.275	-1.610	0.007879368
<i>Hmcy5</i>	124.989	1.963	0.002029719	<i>Mmp28</i>	600.427	-1.641	0.002754647
<i>Hmcn2</i>	129.101	1.933	0.009630487	<i>Nlrp10</i>	339.620	-1.650	0.001512289
<i>Cxcl12</i>	571.126	1.917	0.001150611	<i>5830444B04Rik</i>	90.065	-1.652	0.005218856
<i>St6galnac3</i>	39.810	1.911	0.009306822	<i>RP23-359B23.11</i>	535.444	-1.669	0.025418747
<i>Fam107a</i>	21.798	1.876	0.012331324	<i>Ighv1-26</i>	618.296	-1.673	0.041664063
<i>Ctip4</i>	59.985	1.869	0.001641294	<i>Rn18s-rs5</i>	248.780	-1.706	0.009203985
<i>Plscr2</i>	71.482	1.869	0.002612845	<i>Tmprss11e</i>	160.150	-1.886	0.001937704
<i>Gm14434</i>	128.696	1.868	0.009115883	<i>Ighv1-85</i>	220.677	-2.036	0.013402095
<i>Vip</i>	278.915	1.861	0.000193318	<i>Acat3</i>	66.353	-2.041	0.01002361
<i>Gfra1</i>	126.998	1.849	0.000582725	<i>Slc9a4</i>	154.024	-2.057	0.030251791
<i>Sgip1</i>	28.069	1.839	0.005147696	<i>Gm5586</i>	64.144	-2.120	0.0010807
<i>Mptx2</i>	2685.756	1.834	0.005050337	<i>Ighv1-72</i>	346.927	-2.156	0.006304795
<i>Lrm1</i>	51.574	1.833	0.014213123	<i>1500015A07Rik</i>	486.008	-2.158	7.35E-29
<i>Slc24a3</i>	163.056	1.825	0.009354026	<i>Cldn18</i>	516.076	-2.171	0.008724678
<i>Dpt</i>	184.713	1.797	0.023879709	<i>Ighv5-4</i>	238.273	-2.224	0.005218856
<i>Sspn</i>	92.837	1.793	9.85E-07	<i>Pgc</i>	278.417	-2.311	0.006328943
<i>4930481B07Rik</i>	39.901	1.793	0.046988981	<i>Ivl</i>	244.012	-2.333	0.009306822
<i>Lama2</i>	49.077	1.787	0.036740585	<i>Igkv17-121</i>	331.207	-2.368	0.017165872
<i>P3h2</i>	67.029	1.780	0.031695187	<i>Rps3a1</i>	30160.999	-2.394	2.90E-45
<i>Sym</i>	619.552	1.773	0.002232397	<i>Ighm</i>	177.569	-2.597	0.017552181
<i>Ctca3a1</i>	230.328	1.765	0.035436368	<i>Anxa9</i>	66.465	-2.848	1.10E-05
<i>Slc5a12</i>	1187.123	1.753	0.027581575	<i>Tff1</i>	315.259	-3.129	0.032889928
<i>Ogn</i>	111.501	1.733	0.046312028	<i>Reg1</i>	3434.803	-3.154	0.025068965
<i>Gm16685</i>	29.011	1.722	0.022957788	<i>Marcks11-ps4</i>	25.306	-3.486	0.02934946
<i>Ceacam10</i>	616.562	1.710	0.000792201				
<i>Scg3</i>	27.950	1.708	0.030360614				
<i>Ldhd</i>	293.015	1.702	6.05E-06				
<i>Crispld2</i>	439.633	1.701	0.005944366				
<i>Ror1</i>	49.156	1.692	0.040486325				
<i>Rims1</i>	164.029	1.688	0.025068965				
<i>Sfrp1</i>	365.529	1.688	0.000433835				
<i>Rdh16</i>	399.418	1.687	0.026866872				
<i>Actg2</i>	2107.656	1.682	0.027503502				
<i>Lgi2</i>	135.524	1.663	0.025806832				
<i>Tbx1</i>	349.553	1.659	3.67E-06				
<i>Lipg</i>	161.669	1.654	0.041007313				
<i>Cnn1</i>	906.427	1.652	0.026062685				
<i>Nkd2</i>	79.037	1.652	0.009354026				
<i>Tchh</i>	113.748	1.650	2.41E-05				
<i>Galnt15</i>	59.749	1.631	0.030962392				
<i>Tnxb</i>	119.838	1.631	0.005682432				
<i>Hoxb8</i>	28.826	1.630	0.027503502				
<i>Gpm6a</i>	31.285	1.601	0.025621987				
<i>Fibin</i>	48.407	1.601	0.049876245				
<i>Col8a1</i>	81.304	1.589	0.010542741				
<i>Cygb</i>	256.459	1.580	0.007694842				
<i>Mrgprf</i>	38.265	1.571	0.006304795				
<i>Mmrn1</i>	269.169	1.566	0.011338462				
<i>Wnt2b</i>	51.620	1.561	0.006467812				
<i>Slc7a11</i>	468.273	1.546	0.007879368				
<i>Pcdh20</i>	71.666	1.541	0.017165872				
<i>Phactr1</i>	42.458	1.537	0.03856856				
<i>Tmem252</i>	437.823	1.535	0.025590556				
<i>Slc1a1</i>	401.313	1.527	0.000713188				
<i>Cap2</i>	149.616	1.526	0.014975205				
<i>Tgfb3</i>	208.448	1.519	0.020749332				
<i>Tgm4</i>	139.989	1.518	0.041336149				
<i>Tpm2</i>	2129.924	1.514	0.027754834				
<i>Ak1</i>	125.795	1.505	0.001512289				
<i>Jph2</i>	199.656	1.499	0.00989613				
<i>Rgs7bp</i>	81.145	1.489	0.000200618				
<i>Kcnmb1</i>	96.798	1.476	0.020749515				
<i>C4b</i>	1110.783	1.468	0.002760684				
<i>9130208D14Rik</i>	664.824	1.465	0.046922751				
<i>Adgrd1</i>	428.596	1.464	0.01250952				
<i>Svep1</i>	63.346	1.461	0.005050337				
<i>Col23a1</i>	135.872	1.461	0.005653967				
<i>Atp1a2</i>	272.819	1.459	0.014345091				
<i>Wnt10a</i>	52.028	1.457	0.031681957				
<i>Ntn1</i>	180.815	1.454	0.041329523				
<i>Frzb</i>	67.584	1.452	0.017165872				
<i>Il18r1</i>	32.299	1.448	0.027087442				

<i>Slc6a4</i>	664.185	1.443	0.005815348
<i>Rab3c</i>	58.671	1.418	0.003431915
<i>Reg4</i>	20307.094	1.411	0.035436368
<i>Serpina3g</i>	324.859	1.405	0.046090485
<i>Tagln</i>	3364.471	1.403	0.01288103
<i>Colec12</i>	194.425	1.402	6.01E-05
<i>Scsep1</i>	1808.205	1.391	3.56E-08
<i>Atp2b4</i>	442.674	1.387	0.008790228
<i>Nsg2</i>	47.760	1.383	0.034223382
<i>Afap111</i>	419.403	1.373	4.85E-08
<i>Madcsm1</i>	75.981	1.361	0.024205518
<i>Slc13a2os</i>	42.923	1.357	0.036661955
<i>Ctsk</i>	160.736	1.355	0.042074167
<i>Cacna1e</i>	34.799	1.350	0.034723281
<i>Map3k8</i>	58.561	1.344	0.015838215
<i>Aoc3</i>	174.877	1.342	0.029481797
<i>Slc16a7</i>	66.883	1.338	0.018875724
<i>Ccnjl</i>	244.400	1.320	0.00024649
<i>Bhlha15</i>	144.712	1.314	1.03E-05
<i>Robo2</i>	113.323	1.307	0.034223382
<i>Lcn2</i>	3451.916	1.297	2.86E-10
<i>Gatm</i>	207.704	1.284	0.005850832
<i>Fzd10</i>	473.166	1.281	0.002754647
<i>Spon1</i>	679.469	1.279	0.01538984
<i>Gm8995</i>	148.133	1.270	0.018622276
<i>Islr</i>	125.884	1.263	0.027956778
<i>Scube1</i>	516.106	1.254	0.025068965
<i>Acta2</i>	3799.431	1.251	0.035436368
<i>Gem</i>	398.075	1.248	0.024541839
<i>Lmod1</i>	246.029	1.239	0.015245364
<i>Tmprss6</i>	131.498	1.233	0.044018441
<i>Rein</i>	175.611	1.233	0.036740585
<i>Gm10221</i>	1353.661	1.229	0.049493666
<i>Slc2a13</i>	114.435	1.213	0.035524674
<i>Ppp1r3c</i>	59.817	1.203	0.011161326
<i>Cacna1c</i>	180.309	1.196	0.034723281
<i>Ffar2</i>	247.244	1.189	0.001932919
<i>Abcc9</i>	627.487	1.186	0.038751848
<i>Bpiib5</i>	4212.674	1.180	0.030708576
<i>Cdh11</i>	281.891	1.167	0.009144102
<i>Cimp</i>	550.804	1.161	0.00989613
<i>Alpl</i>	118.604	1.159	0.022581697
<i>Ank2</i>	52.010	1.145	0.037319884
<i>Igf2</i>	233.996	1.137	0.00388279
<i>Aebp1</i>	199.246	1.136	0.039577983
<i>Dab2</i>	348.936	1.134	0.000199329
<i>S1pr3</i>	110.543	1.130	0.012190125
<i>Ly6c1</i>	360.606	1.123	0.01538984
<i>Esy13</i>	446.819	1.121	0.005302339
<i>Grb10</i>	352.096	1.119	0.045824379
<i>Fxyd6</i>	365.293	1.103	0.038520262
<i>Erpp2</i>	269.676	1.088	0.034723281
<i>Naip6</i>	1361.947	1.078	0.000664812
<i>Map9</i>	183.603	1.077	0.019837731
<i>1810041L15Rik</i>	61.867	1.070	0.038751848
<i>Dennd2a</i>	174.331	1.067	0.035524674
<i>Myom1</i>	97.922	1.064	0.010297742
<i>Ednra</i>	248.043	1.063	0.036661955
<i>Speg</i>	71.379	1.050	0.030345512
<i>Rab15</i>	571.196	1.038	0.004988689
<i>Cps1</i>	6236.874	1.037	0.000169271
<i>Lbp</i>	350.987	1.036	0.000364096
<i>Abhd3</i>	1886.627	1.029	0.021616191
<i>Rasgrp3</i>	271.629	1.028	0.009825326
<i>Dram1</i>	143.411	1.028	0.046090485
<i>Timp3</i>	2118.665	1.026	0.012586633
<i>2610528A11Rik</i>	999.919	1.026	0.038568656
<i>Dlc1</i>	367.866	1.021	0.017165872
<i>Zcchc24</i>	455.524	1.016	0.014064026
<i>Gm8797</i>	4024.288	1.013	0.000180627
<i>Dkk2</i>	749.595	1.012	0.036137412
<i>C3</i>	1230.079	1.005	0.029481797
<i>Ramp2</i>	148.665	0.999	0.009144102
<i>Tmem154</i>	136.608	0.998	0.028315757
<i>Ddr2</i>	416.252	0.996	0.003596828
<i>Rgs5</i>	3589.823	0.995	0.008335317
<i>Tifa</i>	2135.205	0.994	0.014760848
<i>Calcr1</i>	300.951	0.988	7.13E-08
<i>Adgra2</i>	205.363	0.984	0.027246381
<i>Fam129a</i>	744.024	0.977	0.006586479
<i>Piprm</i>	189.448	0.970	0.030813463
<i>Prickle2</i>	130.732	0.969	0.001932919
<i>Naip3</i>	158.740	0.968	0.046528149
<i>Rab3il1</i>	85.077	0.958	0.036661955
<i>Rdx</i>	912.403	0.952	0.000256631
<i>Bbs12</i>	92.916	0.950	0.026408953
<i>Nr1h4</i>	897.947	0.939	0.002709267
<i>Socs1</i>	131.853	0.926	0.034223382
<i>Scnn1a</i>	296.339	0.904	0.031055812
<i>Trps1</i>	134.942	0.904	0.04636375
<i>Sparcl1</i>	2663.433	0.901	0.037543532
<i>Sorbs1</i>	332.042	0.895	0.00589292
<i>Msr1</i>	312.164	0.891	0.015757774
<i>Aldh1b1</i>	5403.622	0.876	0.004988689
<i>Itih5</i>	419.200	0.838	0.037056702
<i>Xrcc3</i>	154.468	0.835	0.006343772

<i>Lss</i>	1720.971	0.831	0.024205518
<i>Zeb2</i>	283.027	0.825	0.034723281
<i>Apod</i>	185.497	0.824	0.016268569
<i>9130409J20Rik</i>	1488.501	0.791	0.00213228
<i>Nrbp2</i>	466.891	0.787	6.07E-06
<i>Iiga9</i>	772.020	0.769	0.037319884
<i>Cuedc1</i>	784.792	0.767	0.019743052
<i>Grap</i>	211.826	0.759	0.023455023
<i>Hsd17b7</i>	1653.746	0.750	0.003431915
<i>Man2a2</i>	647.197	0.735	0.002775875
<i>Acad10</i>	345.546	0.731	0.00571129
<i>St3gal1</i>	703.224	0.720	0.043418421
<i>Frd6</i>	553.840	0.719	0.003689416
<i>Sema6b</i>	300.766	0.692	0.027503502
<i>Heg1</i>	1533.529	0.662	0.019743052
<i>Mylk</i>	7195.280	0.650	0.034723281
<i>Fgf1</i>	386.073	0.646	0.030962392
<i>Kdm2b</i>	915.433	0.639	0.006304795
<i>Pwwp2a</i>	677.469	0.633	0.000323885
<i>Jrk</i>	225.394	0.630	0.003689416
<i>Pqlc3</i>	633.138	0.629	0.000200618
<i>Tfip11</i>	1944.493	0.536	0.000582725
<i>Prnp</i>	694.032	0.527	0.032795982
<i>Ikbp1</i>	789.909	0.517	0.045693103
<i>Fam46c</i>	1216.773	0.495	0.031695187
<i>Guf1</i>	829.006	0.463	0.027956778
<i>Clec16a</i>	716.946	0.459	0.013402095
<i>Thg11</i>	705.235	0.458	0.036740585
<i>Rab8b</i>	1037.103	0.445	0.023879709
<i>Txndc11</i>	1424.988	0.435	0.015757774

Table S11, related to Figure 6B (middle panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r*-deficient adenomas compared to *Apc*^{Min/+} adenomas.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Gm5855</i>	79.263	5.220	3.23E-06	<i>Fam195b</i>	991.830	-0.451	0.04707577
<i>Myo18b</i>	134.365	3.328	1.93E-27	<i>Snx33</i>	514.073	-0.539	0.04912398
<i>Gm10073</i>	284.797	2.487	0.03412056	<i>Rpl28</i>	10034.868	-0.581	0.04152231
<i>Arl2a-ps</i>	183.008	2.095	0.00086333	<i>Gm12396</i>	471.435	-0.652	0.04083381
<i>Igkv4-57</i>	276.786	1.980	2.83E-09	<i>Sytl1</i>	365.210	-0.652	0.03078012
<i>Lgi2</i>	135.524	1.784	0.02721687	<i>Pllp</i>	3145.911	-0.675	0.00297421
<i>RP23-359B23.11</i>	535.444	1.731	0.03412056	<i>Tacstd2</i>	998.534	-0.983	0.03643623
<i>Olfm4</i>	1117.010	1.645	0.02751039	<i>Dynl1b</i>	4265.072	-1.050	0.0122282
<i>Cxcl5</i>	327.741	1.624	0.01837011	<i>Gm10116</i>	149.433	-1.159	0.00707855
<i>Ccr10</i>	43.466	1.595	0.04519266	<i>Rps3a2</i>	4774.443	-1.208	1.63E-05
<i>Ccdc109b</i>	83.369	1.586	0.04912398	<i>A930005H10Rik</i>	136.660	-1.270	0.00689268
<i>Lcn2</i>	3451.916	1.392	3.96E-13	<i>Gm44364</i>	427.610	-1.362	0.02262992
<i>Ceacam10</i>	616.562	1.323	0.04707577	<i>4930452B06Rik</i>	120.028	-1.410	0.0224567
<i>Pgk1-rs7</i>	4328.375	1.276	0.00299794	<i>Slc30a2</i>	7831.799	-1.448	0.01527869
<i>Igkv10-96</i>	1302.762	1.173	0.02944119	<i>5830444B04Rik</i>	90.065	-1.508	0.02948249
<i>Zc3h12a</i>	744.107	1.169	0.00305893	<i>Otof</i>	270.110	-1.590	0.01123515
<i>Emp3</i>	171.801	1.148	0.01428724	<i>Prom2</i>	510.368	-1.613	0.00462801
<i>Igkv1-110</i>	1678.083	1.095	0.02632293	<i>Gm44639</i>	23.103	-2.046	0.02191538
<i>Pigr</i>	45894.595	0.963	0.01123515	<i>Upk3a</i>	58.324	-2.069	0.04733272
<i>Ccdc88b</i>	894.810	0.939	0.0122282	<i>4930480K23Rik</i>	106.807	-2.299	5.85E-05
<i>Msr1</i>	312.164	0.911	0.02721687	<i>Psca</i>	75.779	-2.658	0.00037792
<i>Cps1</i>	6236.874	0.876	0.00508292	<i>Gm3716</i>	82.965	-4.069	0.00028973
<i>Parp8</i>	110.106	0.857	0.03822121	<i>Gm5292</i>	114.493	-4.124	0.00023307
<i>Elovl6</i>	4376.025	0.796	0.006574	<i>Gdgd3</i>	744.287	-4.319	4.60E-05
<i>Pqlc3</i>	633.138	0.694	1.52E-05	<i>Gm10020</i>	1658.950	-4.611	0.00707855
<i>Tfip11</i>	1944.493	0.614	2.07E-05	<i>Gm14094</i>	123.550	-4.882	2.07E-05
<i>Rab8b</i>	1037.103	0.525	0.00689268				
<i>Tbc1d1</i>	2199.426	0.424	0.04774773				

Table S12, related to Figure 6B (lower panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r/Mir34a*-deficient adenomas compared to *Apc^{Min/+}* adenomas.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Rps3a3</i>	7365.848	7.080	1.94E-148	<i>Tet3</i>	3028.933	-0.398	0.04349876
<i>Rps3a2</i>	4774.443	4.781	1.31E-104	<i>Snx33</i>	514.073	-0.599	0.04718123
<i>Myo18b</i>	134.365	3.104	1.60E-19	<i>2310007B03Rik</i>	208.929	-0.837	0.00630993
<i>Igkv4-74</i>	228.277	2.848	3.45E-13	<i>Tst</i>	1714.678	-0.880	0.00069462
<i>Igkv8-21</i>	338.034	2.234	0.03279428	<i>Ihh</i>	2353.000	-1.001	0.02624866
<i>Zik1</i>	47.770	1.831	0.03447439	<i>Grhl3</i>	703.120	-1.065	0.04349876
<i>Igkv4-57</i>	276.786	1.468	0.00093579	<i>Pitx1</i>	3637.836	-1.084	0.0285036
<i>Dclk1</i>	574.268	1.376	0.03469885	<i>Rps3a1</i>	30160.999	-1.088	1.03E-07
<i>Tmem154</i>	136.608	1.204	0.02596738	<i>Nectin4</i>	653.866	-1.120	0.00013334
<i>Ighv3-6</i>	676.428	1.128	0.04349876	<i>Tacstd2</i>	998.534	-1.185	0.0117698
<i>Lcn2</i>	3451.916	1.120	7.04E-07	<i>Smtnl2</i>	126.920	-1.389	0.0174334
<i>Ythdc2</i>	714.383	0.721	0.04065494	<i>Psca</i>	75.779	-2.489	0.00713858
<i>Tip11</i>	1944.493	0.575	0.00080029	<i>Amd2</i>	266.155	-2.525	0.01024457
<i>Cacna2d1</i>	598.594	0.540	0.00796881	<i>Prss56</i>	56.568	-3.182	0.02468076
<i>Yipf5</i>	2860.125	0.491	0.03164122	<i>Mrpl23</i>	56.739	-3.261	0.0174334
				<i>Gpx5</i>	1509.304	-3.309	7.04E-07
				<i>Otof</i>	270.110	-3.610	1.86E-14

Table S13, related to Figure 6D (upper panel).

List of the significantly up-regulated and down-regulated mRNAs in *Mir34a*-deficient tumoroids compared to *Apc*^{Min/+} tumoroids.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Gm26983</i>	58.479	7.7867	2.13E-06	<i>Rplp1</i>	38053.806	-0.4389	0.02686749
<i>Rps15a-ps8</i>	388.681	6.3442	6.85E-26	<i>Pldn2</i>	3141.819	-0.4619	0.039301847
<i>Rps3a3</i>	9251.682	6.3149	0.033622703	<i>Gm10288</i>	23568.680	-0.4624	0.01254258
<i>Eif5a13-ps</i>	407.649	6.2895	3.27E-23	<i>Txn2</i>	4596.942	-0.4629	0.03226749
<i>Pcna-ps2</i>	288.898	6.2178	0.035074212	<i>Atp5g1</i>	3889.207	-0.4699	0.025179762
<i>Rpl3-ps1</i>	7061.173	6.1786	3.47E-73	<i>Pdlim1</i>	3650.079	-0.5009	0.043745185
<i>Dkk2</i>	453.441	5.4580	6.61E-11	<i>Polr2f</i>	2310.410	-0.5103	0.031096841
<i>Map2</i>	50.565	5.2654	0.00029331	<i>Yars</i>	3734.939	-0.5143	0.044491147
<i>Gm10182</i>	3021.766	5.2066	5.50E-05	<i>Farsb</i>	3720.800	-0.5321	0.031486728
<i>Rps13-ps1</i>	2526.239	4.9347	1.24E-35	<i>Exosc5</i>	1997.158	-0.5329	0.040526834
<i>Gna14</i>	19.121	4.8714	0.017247803	<i>Mrps35</i>	2076.005	-0.5401	0.011986291
<i>Zfp462</i>	209.491	4.6563	0.000535601	<i>Avpi1</i>	2223.613	-0.5433	0.044447523
<i>Osr2</i>	353.031	4.6128	4.01E-07	<i>Uqcr11</i>	2683.728	-0.5457	0.03593397
<i>Gm13067</i>	24.628	4.5651	0.003838555	<i>Ak2</i>	6996.502	-0.5471	0.041861089
<i>Gm29865</i>	63.006	4.1001	1.56E-06	<i>Nars</i>	12209.446	-0.5560	0.018804648
<i>Lce6a</i>	31.040	4.1000	0.001224934	<i>Gm12191</i>	5621.323	-0.5564	0.044447523
<i>Lrrn3</i>	81.537	4.0977	9.01E-07	<i>Josd2</i>	965.835	-0.5688	0.047747905
<i>Ncf2</i>	100.728	4.0479	7.67E-05	<i>Phf10</i>	2539.081	-0.5741	0.032323626
<i>Sh3tc2</i>	164.916	4.0409	0.000377131	<i>Cd3eap</i>	1211.518	-0.5833	0.030189793
<i>Gm4742</i>	17.256	4.0299	0.021414412	<i>Sepw1</i>	3144.474	-0.5844	0.009181118
<i>Prickle1</i>	102.734	3.9337	3.87E-08	<i>Bpnt1</i>	3236.641	-0.5868	0.007005518
<i>Pcdh7</i>	133.184	3.9325	2.76E-05	<i>Ildr2</i>	3023.251	-0.5956	0.017055556
<i>Col14a1</i>	201.523	3.8356	0.00040056	<i>Tspan13</i>	1561.084	-0.6035	0.017247803
<i>Adamts16</i>	65.187	3.8186	0.008705004	<i>Htra2</i>	1798.309	-0.6037	0.006506994
<i>Cd1d2</i>	19.639	3.7583	0.021414412	<i>Rdm1</i>	864.919	-0.6062	0.033216916
<i>Cistn2</i>	124.617	3.6177	0.012789462	<i>Ndufc2</i>	3251.713	-0.6075	0.016166281
<i>Gm10167</i>	119.470	3.5994	5.36E-09	<i>Sars</i>	9547.795	-0.6082	0.008705004
<i>Gm20765</i>	30.015	3.5701	0.038940547	<i>Cisd3</i>	3970.507	-0.6089	0.020028688
<i>Gm12669</i>	217.052	3.5623	0.006482775	<i>Pla2g16</i>	1816.482	-0.6106	0.005569682
<i>Tmprss13</i>	233.005	3.5214	6.94E-08	<i>Mrlp48</i>	1501.526	-0.6201	0.044491147
<i>Syt14</i>	41.957	3.4989	0.002399799	<i>Lgals9</i>	3997.136	-0.6225	0.025439644
<i>C2cd4b</i>	53.132	3.4960	0.003073485	<i>Ablim1</i>	8085.867	-0.6251	0.028181189
<i>Krt6a</i>	622.517	3.3619	1.95E-07	<i>Adi1</i>	2129.068	-0.6357	0.032846535
<i>Irx5</i>	654.455	3.3569	8.77E-07	<i>Fau</i>	5507.797	-0.6359	0.004346964
<i>5830418P13Rik</i>	29.126	3.3070	0.010918488	<i>Hspe1</i>	6125.856	-0.6373	0.00029331
<i>Wnt10a</i>	134.731	3.2749	7.23E-06	<i>Sephs2</i>	6156.994	-0.6399	0.007281661
<i>A730046J19Rik</i>	20.756	3.2640	0.031145921	<i>Slc25a33</i>	587.962	-0.6475	0.046495889
<i>RP23-145I16.5</i>	350.152	3.1835	0.000857117	<i>Etfb</i>	3480.838	-0.6508	0.00608095
<i>Ism1</i>	66.649	3.0383	0.001851081	<i>Stc2</i>	3233.118	-0.6572	0.044447523
<i>Sema3e</i>	46.535	2.9431	0.017645334	<i>Ccdc115</i>	959.053	-0.6577	0.023385194
<i>Gpr157</i>	136.064	2.9149	2.01E-06	<i>Srm</i>	2837.704	-0.6725	0.02074829
<i>Sema3a</i>	20.760	2.9028	0.044491147	<i>Slc1a5</i>	8623.988	-0.6786	0.010463607
<i>H2-Q1</i>	76.012	2.9001	0.000442197	<i>Pgm1</i>	2955.085	-0.6830	0.00437696
<i>Ldb3</i>	148.811	2.7480	0.008773847	<i>Comtd1</i>	941.625	-0.6882	0.008705004
<i>AA465934</i>	54.151	2.7433	0.000199587	<i>Psat1</i>	10218.800	-0.7085	0.022622615
<i>Rassf4</i>	342.221	2.7352	0.00017682	<i>Eif4ebp1</i>	2434.218	-0.7108	0.017375236
<i>Col16a1</i>	348.416	2.6824	5.65E-06	<i>Aldh18a1</i>	4267.609	-0.7233	0.022622615
<i>Hydin</i>	54.207	2.6007	0.022622615	<i>Mrps14</i>	1319.839	-0.7265	0.001851081
<i>Znf41-ps</i>	118.132	2.5969	0.000226429	<i>Stra13</i>	1024.293	-0.7281	0.024255873
<i>Tpbg</i>	262.197	2.5805	7.57E-07	<i>Ankrd54</i>	1071.513	-0.7291	0.002533876
<i>Gm12603</i>	116.628	2.5030	0.011619079	<i>Rangrf</i>	932.487	-0.7395	0.008320802
<i>Crnde</i>	233.410	2.5025	0.019067493	<i>Uqcrq</i>	4420.500	-0.7404	0.001084068
<i>Gm20463</i>	77.245	2.4822	0.00044797	<i>Gsdmd</i>	5121.295	-0.7415	0.017247803
<i>Foxc1</i>	135.177	2.4768	0.014067655	<i>Abhd14b</i>	804.064	-0.7447	0.044447523
<i>Cald1</i>	235.175	2.4538	7.10E-05	<i>Hacd1</i>	580.779	-0.7524	0.008705004
<i>Htra1</i>	58.451	2.4441	0.005027141	<i>1700021F05Rik</i>	743.671	-0.7640	0.00438845
<i>Pla2g4c</i>	131.244	2.4269	0.00634789	<i>Paox</i>	1104.511	-0.7659	0.02857225
<i>Alox12b</i>	34.856	2.4038	0.038461557	<i>Bcat2</i>	3863.999	-0.7695	0.005720174
<i>Dpysl3</i>	1071.417	2.3457	1.99E-12	<i>Mib2</i>	1440.506	-0.7833	0.039139573
<i>Cubn</i>	189.357	2.3409	0.024723452	<i>Ldhd</i>	709.184	-0.7901	0.023877748
<i>Bmp3</i>	143.041	2.3184	0.006394847	<i>Creg1</i>	1175.404	-0.7967	0.021093708
<i>St6gal1</i>	576.819	2.3022	1.31E-06	<i>Vkorc1</i>	499.561	-0.7980	0.009621267
<i>Map9</i>	73.987	2.2764	0.003995557	<i>Shmt2</i>	8341.442	-0.8005	0.001851081
<i>Tenn4</i>	1017.163	2.2691	1.25E-07	<i>Fam195a</i>	559.201	-0.8018	0.038582858
<i>Golga7b</i>	475.245	2.2624	1.55E-07	<i>Aldh2</i>	10127.622	-0.8041	0.030315134
<i>Cldn8</i>	448.057	2.2237	0.047326482	<i>Alg8</i>	1148.273	-0.8088	0.026951216
<i>Grap</i>	127.581	2.2232	5.67E-06	<i>Palld</i>	1415.799	-0.8168	0.045827358
<i>Arhgap44</i>	637.247	2.2028	4.23E-08	<i>Ifi271b</i>	898.811	-0.8213	0.002872761
<i>Vim</i>	3736.819	2.1884	9.87E-05	<i>Cd63</i>	7825.030	-0.8334	0.017645334
<i>Neurl1a</i>	408.601	2.1805	0.000951084	<i>Slc18a1</i>	546.427	-0.8381	0.042408344
<i>Dst</i>	784.736	2.1662	7.22E-05	<i>Slc12a8</i>	1296.432	-0.8390	0.000517548
<i>Scube1</i>	254.954	2.1612	0.002540607	<i>Rpp25</i>	401.410	-0.8401	0.045979893
<i>Irx3</i>	66.315	2.1591	0.02314818	<i>Gm15459</i>	8150.535	-0.8479	0.025941192
<i>Gm28036</i>	366.737	2.1545	0.007841188	<i>Aamdc</i>	394.177	-0.8761	0.007005518
<i>Ccdc80</i>	533.932	2.1180	0.000277774	<i>Iah1</i>	931.838	-0.8809	0.01144003
<i>Mreg</i>	60.312	2.1104	0.046880565	<i>Rps15a</i>	18242.775	-0.8809	0.0001203
<i>Zc3h12c</i>	495.719	2.1073	2.21E-09	<i>Gas5</i>	12386.082	-0.8864	5.25E-05
<i>RP23-457I3.2</i>	223.702	2.1043	0.00628501	<i>Ifitm3</i>	22541.062	-0.9191	0.004908081
<i>Fgf9</i>	101.482	2.0671	0.013851881	<i>Gstm1</i>	6780.965	-0.9263	1.82E-05
<i>Atp7a</i>	148.126	2.0521	0.044491147	<i>Mocs1</i>	1177.157	-0.9298	0.027529268

Syt2	173.480	2.0187	0.006394847	Cbr1	2799.021	-0.9358	0.016536621
Tnfrsf11b	2360.995	2.0046	1.87E-10	Pck2	4748.555	-0.9458	8.09E-05
Ccnjl	98.451	2.0013	0.002360541	Tada2a	1147.561	-0.9552	0.000339326
Wnt6	1342.586	1.9839	0.003112336	Mtlf1	505.204	-0.9609	0.025941192
Gm38394	961.573	1.9562	0.009621267	Car12	979.140	-0.9641	0.003540452
Shroom4	178.786	1.9402	0.026951216	Gm26825	61907.963	-0.9710	1.49E-07
4933404012Rik	106.656	1.9371	0.00608095	Gp2	530.673	-0.9735	0.022633197
Fzd10	328.381	1.9228	0.007069839	Mthfd2	2306.739	-0.9916	1.31E-05
Lifr	290.619	1.9062	0.032767491	Slc6a9	1851.847	-0.9916	0.041861089
Arhgap6	259.923	1.9023	0.009710561	Retsat	1850.948	-0.9997	0.000845633
Myh10	302.782	1.8871	0.030258457	Homer2	2889.558	-1.0006	0.013223948
Rdh9	777.053	1.8738	1.69E-10	Myo1a	4369.252	-1.0129	0.016228803
Gm10676	66.753	1.8565	0.045811139	Atp2a3	788.180	-1.0291	0.043027834
R3hdm1	326.455	1.8513	0.011986291	Fuom	253.021	-1.0540	0.015409889
Gcnt1	348.333	1.8203	0.002586935	Camkk2	451.907	-1.0580	0.021074871
Apodd1	2075.022	1.8154	0.008705004	Prr18	478.717	-1.0713	0.037051369
Lef1	234.227	1.8088	0.000315284	Ggh	685.781	-1.0778	0.003798507
Enpp2	201.155	1.7969	0.009212052	Galnt6	637.388	-1.0882	0.026951216
Ptprd	2082.306	1.7372	9.57E-09	Gm8355	6799.964	-1.0959	0.042305672
Entpd3	1195.274	1.6964	0.001323435	Fabp2	693.495	-1.1017	0.020560865
Slc16a10	682.693	1.6864	4.46E-05	Asns	5033.910	-1.1032	0.000946951
Fam89a	321.894	1.6851	0.000517548	Cbx7	2098.511	-1.1244	9.40E-07
Hspa8	35831.502	1.6831	1.45E-10	Gsto1	17551.616	-1.1913	0.041770402
Gchfr	76.956	1.6731	0.047442082	Reep6	2576.645	-1.2026	0.000377131
Cd244	155.590	1.6603	0.009784393	Pfkfb4	280.570	-1.2163	0.004467261
Klh23	77.846	1.6510	0.021508823	Ppm1h	268.301	-1.2230	0.000407839
Sema5a	933.533	1.6253	8.36E-07	Abcg2	197.057	-1.2414	0.04771045
Hspb1	415.251	1.6239	0.002677615	Gpd1	1454.474	-1.2708	0.000179201
Nuak1	145.986	1.6185	0.007005518	Hpd1	276.112	-1.2941	0.04771045
Mmp7	12865.237	1.6130	1.87E-10	Foxa2	480.382	-1.2960	0.014962492
Meccm	1168.648	1.5897	1.07E-10	Trib3	452.548	-1.2983	0.000105424
Nr4a2	365.375	1.5884	0.028630607	Tmem158	693.071	-1.3071	0.00011563
Wdly1	1219.487	1.5460	4.83E-06	Silfn9	242.798	-1.3140	0.0351581
Cd1d1	227.936	1.5404	0.013629106	Dync2li1	172.505	-1.3270	0.033345276
Irs1	210.175	1.5232	0.011986291	Psph	1242.742	-1.3478	3.14E-06
Map6	790.800	1.5231	0.001226583	Apob	1304.153	-1.3750	0.002465045
Plagl1	476.784	1.5219	0.04771045	Ptgr1	14991.733	-1.3912	0.002424496
Esyt3	97.694	1.5182	0.021968632	Grb14	174.911	-1.4271	0.03141421
Mm2610528A11Rik	283.786	1.5101	0.009420265	Itprpl2	689.463	-1.4348	0.026819819
Ephb6	566.105	1.5079	0.004711752	Gstm2	730.663	-1.4493	0.00702117
Gdpd3	1422.754	1.4990	0.009673225	Tm6sf2	150.051	-1.4720	0.015236993
Tbx1	2699.388	1.4848	0.031486728	Tmie	147.575	-1.4915	0.038582858
Cep112	256.866	1.4838	0.00376951	St3gal6	1449.498	-1.4952	0.001851081
Ccser1	340.704	1.4759	0.007131688	Epd1	334.421	-1.5181	0.021494353
Mtmr11	740.967	1.4281	1.59E-06	Agr2	2132.400	-1.5266	0.000123572
RP24-390A22.1	939.211	1.4092	0.028630607	Atf5	2080.136	-1.5354	1.92E-08
Slc17a4	594.914	1.3995	0.000187708	Rpl3	67237.730	-1.5519	2.80E-26
Mtmr7	299.410	1.3851	0.010034771	Aspa	1155.638	-1.5672	0.002829565
Cdo1	2147.931	1.3732	0.007841188	Cth	1414.812	-1.6361	4.64E-07
Slc22a1	309.731	1.3672	0.005559578	Slc7a3	80.778	-1.6496	0.024412673
Kcnu1	298.891	1.3517	0.001740226	Anxa13	1085.666	-1.6500	0.031793623
Fgfr3	289.820	1.3397	0.026951216	Cbx6	3439.443	-1.6879	1.58E-07
Tcf4	1757.854	1.3391	0.002335503	Pard3b	294.829	-1.7039	0.023997461
Frmcd6	809.722	1.3317	1.12E-06	Lgals1	189.230	-1.7053	0.031793623
Gpcpd1	788.994	1.3171	7.11E-06	Glit1d1	193.059	-1.7113	0.008705004
Gpc1	1164.617	1.3135	0.001593348	Rpl11	2971.549	-1.7943	0.000385464
Casp12	234.405	1.2904	0.031486728	Gsta1	2811.844	-1.8094	2.99E-06
Clec16a	532.059	1.2598	0.003557959	Apobec3	3684.982	-1.8317	8.87E-16
Zbtb20	2818.947	1.2440	0.003253948	Muc6	318.750	-1.8736	4.92E-06
Mdfic	336.098	1.2433	0.02141478	Sox17	7712.417	-1.9922	1.49E-05
Pkhd1	261.251	1.2274	0.026836288	Vwf	1279.576	-1.9982	0.007516341
Ceacam1	7830.912	1.2195	0.024258721	Etv5	1381.747	-2.0014	7.14E-11
Slc5a9	868.032	1.2151	0.010376923	Gstm3	679.570	-2.0361	1.74E-09
Epha4	1218.758	1.2108	0.000139306	Arhgap10	215.362	-2.0389	0.00724401
Gata6	1582.668	1.2014	0.020028688	3110045C21Rik	61.440	-2.0467	0.020789776
Ly6g	574.137	1.1990	0.002012077	Ugt1a7c	2168.057	-2.0718	1.92E-05
Tie4	830.484	1.1987	0.000199721	Syt4	126.776	-2.1443	0.002677615
Wls	2773.564	1.1872	0.024412673	Dnah2os	82.659	-2.1699	0.002162978
Evl	417.657	1.1841	0.005632033	Ripply3	79.970	-2.1949	0.041861089
Met	1175.914	1.1778	5.76E-07	Cdh5	401.295	-2.1979	1.82E-10
Ralgs2	3013.544	1.1476	8.15E-11	Ces2c	254.584	-2.2508	2.31E-05
Nbea	1074.953	1.1284	0.006333272	Gata4	2081.080	-2.2968	5.36E-09
Serpinb11	1597.953	1.1226	0.020948649	Khdrbs3	150.130	-2.3533	0.041877058
Sesn3	1609.353	1.1221	0.026168086	Cyp2c55	317.265	-2.4327	0.027809854
Gm8797	2848.687	1.1031	0.004043122	Epha3	149.757	-2.5006	0.010750799
Pdlim2	796.960	1.0960	0.004755074	Itim6	84.501	-2.5174	0.037116376
Pbx1	3957.006	1.0858	7.33E-05	Cep85	3224.738	-2.5444	4.51E-17
Mex3b	236.609	1.0814	0.022299697	Ihh	3761.400	-2.5703	1.56E-17
Npnt	2706.981	1.0667	2.17E-07	Adgrg2	170.771	-2.6128	0.008609952
Lmo7	6853.652	1.0329	8.40E-05	Glb1l2	42.797	-2.6280	0.041861089
Zfp618	734.995	1.0262	0.015051676	Ugt1a6a	1246.516	-2.7007	6.02E-05
Mfap3l	351.835	1.0158	0.01478608	Trim47	110.299	-2.7381	0.031486728
Ar15b	575.591	0.9980	0.029535976	Gm7357	64.423	-2.7593	0.004872248
Trio	1492.193	0.9917	0.000198067	Gabre	176.990	-2.7720	0.004446303
Gnai1	775.339	0.9905	0.02697543	Oprd1	73.005	-2.7929	0.01104423
Fam168a	1115.710	0.9826	0.000253632	Tmem266	1261.409	-2.8620	6.80E-09
Sema3c	4214.939	0.9820	0.000510395	Arg1	39.507	-2.9121	0.014368032
Itpkb	367.206	0.9769	0.03593397	Apoc2	59.957	-2.9698	0.008609952
Frk	1101.942	0.9758	0.028606055	Adh1	565.692	-3.0239	0.00017682
Pik7	2294.898	0.9755	0.038582858	Fam183b	18.756	-3.1630	0.042716155
Serinc5	2956.797	0.9633	0.000989153	Akr1c14	66.426	-3.1630	0.004517555
Mcsm	4053.665	0.9583	0.007841188	Gldc	38.050	-3.1831	0.036816825
Tgfb1r	1150.426	0.9428	0.010918488	Cyp2c65	286.693	-3.2278	7.22E-05
Mgat4c	1198.926	0.9413	9.01E-06	Gm14851	75.935	-3.2336	0.04771045
Dsp	16442.643	0.9273	3.43E-05	Cyp4b1	726.770	-3.2546	1.96E-06
Rgs12	1601.375	0.9150	0.024709039	Slc28a2	430.714	-3.2624	1.06E-17

Zfp26	471.377	0.9044	0.035705253	Ugt8a	111.884	-3.2883	0.003995557
Peli1	863.636	0.9025	0.02141478	Gm37788	23.518	-3.2988	0.041861089
Pik3cb	939.780	0.8940	0.007127572	Sult1c2	166.486	-3.3588	0.005632033
Zcchc11	983.508	0.8834	0.007438679	T	62.162	-3.4451	0.000111932
Cblb	428.432	0.8826	0.013754336	St3gal5	52.834	-3.4674	0.02314818
Fam83d	462.082	0.8799	0.025555099	Prap1	811.752	-3.5589	2.38E-09
Gp1bb	1250.692	0.8687	0.02857225	Aqp5	58.878	-3.6262	0.042414975
Atp11a	2297.482	0.8678	0.001308896	Tcf23	160.267	-3.6895	9.00E-05
Ptprij	3344.064	0.8642	0.002424496	Dmtn	53.711	-3.7410	0.041861089
Lrp4	3121.582	0.8556	0.026951216	Akp3	236.491	-3.7470	0.000115093
Btdb7	530.295	0.8427	0.045348902	Clec2f	103.898	-3.7685	0.010219868
Mbd5	355.041	0.8382	0.045155934	Anxa10	59.517	-3.8672	0.000664969
Nhs1	2443.992	0.8274	0.003138478	Pr1c3	137.452	-3.9051	0.008445669
Apaf1	1833.873	0.8269	0.000229283	Smoc1	109.444	-3.9095	0.02697543
Ptpre	1241.255	0.8163	0.00017682	Pcdhgb7	21.423	-4.0649	0.017290909
Arid5b	1035.497	0.8140	0.013203002	RP23-359B23.11	692.619	-4.2458	5.00E-60
Gpd2	4167.941	0.8070	2.84E-05	Cd59a	27.208	-4.2570	0.0295267
Pam	3607.388	0.7900	0.00702117	Adh7	109.722	-4.5185	0.031808902
Cenpf	1858.433	0.7896	0.02408616	Olfml2b	274.122	-4.5860	9.80E-12
Grlh3	1997.402	0.7876	0.046874231	Myo7a	152.766	-4.7548	6.61E-11
Wsb1	2356.787	0.7865	0.008320802	Vsig2	77.927	-4.9937	1.82E-12
Foxa1	2979.478	0.7829	0.04771045	Tff2	602.197	-5.1415	0.009420265
Notch2	1487.157	0.7827	0.010090541	Lipf	3117.599	-5.3635	0.005027141
Wipi1	1142.096	0.7775	0.017247803	Cfh	42.786	-5.6052	0.000194505
Cdk17	656.058	0.7688	0.012053334	Rps4l	93.687	-5.6304	5.15E-06
Ttip11	2752.693	0.7642	0.048431765	Gm43305	26435.609	-5.9909	3.86E-05
Farp1	1989.846	0.7497	0.005302767				
Ptbp2	831.446	0.7494	0.024255873				
Cobl	2719.000	0.7472	0.022622615				
Trp53inp2	1819.459	0.7456	0.04771045				
Jag1	1452.110	0.7341	0.032767491				
Bcl9	1586.685	0.7316	0.002533876				
Kitl	4642.004	0.7041	0.038002848				
Afap111	5835.163	0.6953	0.049142352				
Scpep1	2850.151	0.6916	0.001657384				
Epc2	894.154	0.6909	0.040526834				
Zfp703	6066.750	0.6892	0.047975601				
Etl4	2288.212	0.6878	0.04148622				
Jmjd1c	1522.959	0.6875	0.017395901				
Adam10	4150.597	0.6834	0.020912016				
Itga6	6482.326	0.6694	0.00029331				
Nudt4	5160.221	0.6608	0.0295267				
Fryl	2750.545	0.6502	0.006904233				
Rnf38	2177.811	0.6082	0.036627682				
Aff4	2951.017	0.6057	0.039242954				
Lpgat1	2062.510	0.6047	0.020926743				
Phactr4	1961.552	0.5829	0.032767491				
Zdhhc21	1329.859	0.5713	0.045439476				
Tmem245	1702.351	0.5654	0.022622615				
Lrrc16a	2282.516	0.5601	0.047178664				
Oxct1	5867.987	0.5593	0.017127546				
Exoc6b	1550.392	0.5561	0.036816825				
Traf6	1239.292	0.5518	0.044447523				
Tes	4735.285	0.5420	0.022622615				
Macf1	3543.230	0.5079	0.024255873				
Anxa4	32898.066	0.4631	0.042305672				

Table S14, related to Figure 6D (middle panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r*-deficient tumoroids compared to *Apc*^{Min/+} tumoroids.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Eno1b</i>	2115.547	8.545	0.005264977	<i>Taldo1</i>	12320.003	-0.552	0.006527818
<i>Lipf</i>	3117.599	5.033	0.032217819	<i>Slc12a8</i>	1296.432	-0.660	0.049604636
<i>Eif5a13-ps</i>	407.649	5.032	1.19E-11	<i>Cda</i>	919.923	-0.739	0.012908849
<i>Reg3b</i>	1578.899	4.797	0.010926405	<i>Gm26825</i>	61907.963	-0.768	0.000605867
<i>Chd9</i>	6859.116	4.488	0.00024203	<i>2810428115Rik</i>	1027.442	-0.773	0.029781772
<i>Nid2</i>	70.791	4.246	0.008182885	<i>Septin5</i>	11872.794	-0.783	0.004852742
<i>Ild2</i>	148.520	4.046	2.85E-05	<i>Bmp8b</i>	1501.902	-0.786	0.001513872
<i>Nyap1</i>	122.601	4.019	0.01115132	<i>Tmem180</i>	948.149	-0.813	0.037485635
<i>Gm11942</i>	32.764	3.965	0.005278321	<i>Phlda1</i>	12248.270	-0.890	0.000988203
<i>Slco5a1</i>	105.067	3.951	5.87E-10	<i>Rccd1</i>	1050.616	-0.892	0.001657048
<i>Tmod2</i>	291.368	3.857	0.000331018	<i>Mgst2</i>	1191.236	-0.912	0.017159244
<i>Klhl13</i>	105.530	3.856	7.07E-09	<i>Ldhd</i>	709.184	-0.919	0.013846932
<i>Dio1</i>	115.796	3.846	0.000782316	<i>Fhd1c1</i>	744.435	-1.028	0.005452637
<i>Trpm6</i>	93.381	3.828	0.027130829	<i>Aim1l</i>	926.467	-1.042	0.005425664
<i>Ackr3</i>	147.564	3.643	0.022826051	<i>Eefsec</i>	834.524	-1.044	0.004060918
<i>Enpp2</i>	201.155	3.575	1.54E-09	<i>Gp1bb</i>	1250.692	-1.047	0.011612686
<i>Gm10052</i>	628.537	3.389	0.000307527	<i>Acsf1</i>	1160.101	-1.083	0.001623629
<i>Gm28036</i>	366.737	3.315	1.02E-05	<i>Cdhr2</i>	3046.022	-1.192	8.90E-05
<i>1700003F12Rik</i>	82.768	3.311	0.001158154	<i>Lrrc6b</i>	631.904	-1.210	0.000971269
<i>Gm5148</i>	40.408	3.283	0.017159244	<i>Gm12744</i>	453.349	-1.218	0.003689542
<i>Olfr12b</i>	274.122	3.168	9.71E-06	<i>Al506816</i>	6888.954	-1.235	8.16E-11
<i>Arhgap44</i>	637.247	2.901	2.39E-12	<i>Galnt6</i>	637.388	-1.257	0.018379296
<i>Dkk2</i>	453.441	2.822	0.013846932	<i>Itln1</i>	2362.524	-1.293	5.43E-05
<i>Ifit1</i>	77.962	2.802	0.0079409	<i>Tm4sf5</i>	885.553	-1.336	0.005393062
<i>Ccdc33</i>	170.411	2.785	0.005262043	<i>3930402G23Rik</i>	132.081	-1.371	0.034288645
<i>Cyp2f2</i>	128.239	2.700	0.039165153	<i>Il3ra</i>	451.682	-1.477	0.000440972
<i>Reg3g</i>	983.822	2.668	4.13E-06	<i>Gm8355</i>	6799.964	-1.511	0.003618566
<i>Plac9b</i>	304.759	2.646	0.000156357	<i>Cwh43</i>	526.966	-1.613	0.014464497
<i>Cd200</i>	80.474	2.643	0.007590836	<i>Tm6sf2</i>	150.051	-1.642	0.013846932
<i>Hjp1</i>	583.885	2.633	0.001285767	<i>2610528A11Rik</i>	283.786	-1.657	0.009428004
<i>RP24-390A22.1</i>	939.211	2.600	1.15E-06	<i>Fabp2</i>	693.495	-1.837	9.14E-06
<i>2210418O10Rik</i>	195.445	2.482	1.08E-05	<i>Ces2c</i>	254.584	-1.845	0.005262043
<i>Rhbd2</i>	240.854	2.443	0.001158154	<i>2210407C18Rik</i>	2916.869	-1.920	0.021286363
<i>Rarb</i>	360.379	2.437	5.87E-10	<i>Oit1</i>	951.318	-1.954	0.001623629
<i>Gm10073</i>	349.913	2.394	9.49E-13	<i>Bcas1</i>	324.096	-2.000	2.87E-05
<i>Htra1</i>	58.451	2.382	0.019673334	<i>Prap1</i>	811.752	-2.067	0.013846932
<i>Serp1b7</i>	58.653	2.309	0.036645791	<i>Gm10036</i>	1791.573	-2.118	6.41E-06
<i>Trib2</i>	47.392	2.289	0.042319558	<i>Bnpl</i>	107.914	-2.215	0.041163186
<i>RP23-359B23.11</i>	692.619	2.217	3.03E-15	<i>Gsta1</i>	2811.844	-2.329	1.71E-09
<i>Irx5</i>	654.455	2.163	0.022448647	<i>Gm20699</i>	73.768	-2.389	0.001742256
<i>Tbx3os1</i>	128.414	2.091	0.000397301	<i>Trim29</i>	293.204	-2.443	0.019660527
<i>Cep85</i>	3224.738	2.087	4.88E-10	<i>Ereg</i>	168.653	-2.645	3.03E-05
<i>Tmem254c</i>	2306.541	2.075	0.019673334	<i>Gdpd3</i>	1422.754	-2.729	3.21E-08
<i>Socs3</i>	975.398	2.064	0.008239514	<i>4930452B06Rik</i>	125.072	-2.735	0.001158154
<i>Tmem254b</i>	675.334	1.988	0.009428004	<i>Gm37335</i>	96.624	-2.784	0.001847746
<i>Slc4a3</i>	136.680	1.985	0.000228556	<i>Rpgrip1</i>	85.153	-2.794	0.005262043
<i>Tmem254a</i>	700.793	1.951	0.005264977	<i>RP23-45713.2</i>	223.702	-3.019	2.15E-05
<i>Lrch4</i>	467.626	1.858	0.001272615	<i>Gm26377</i>	2536.232	-3.124	0.045318862
<i>Hspa8</i>	35831.502	1.842	1.66E-11	<i>Gm8885</i>	55.853	-3.292	0.000152853
<i>Jdp2</i>	355.774	1.686	0.021552668	<i>Anxa10</i>	59.517	-3.568	0.008747472
<i>Mtmr7</i>	299.410	1.636	0.004774663	<i>Fut10</i>	72.175	-3.582	0.000458363
<i>Rilpl1</i>	176.654	1.612	0.006527818	<i>Gm5292</i>	199.915	-4.934	4.20E-30
<i>Rpl11</i>	2971.549	1.596	0.010208959	<i>Cyp2c29</i>	64.591	-5.655	0.000379312
<i>Gm37376</i>	1504.388	1.585	0.032217819	<i>Gm10704</i>	940.745	-5.777	1.18E-48
<i>Rnf24</i>	314.334	1.564	0.013846932	<i>Gm10020</i>	4645.692	-5.822	1.07E-06
<i>Gm14226</i>	548.793	1.556	0.015813486	<i>Gm14094</i>	315.824	-6.057	8.90E-39
<i>Chac1</i>	391.144	1.493	0.010749668	<i>Gm10093</i>	1986.903	-6.911	6.46E-120
<i>Atp2b4</i>	284.465	1.411	0.000417447	<i>Gm10182</i>	3021.766	-7.110	2.24E-08
<i>Eno3</i>	790.059	1.402	0.043479661	<i>Gm8420</i>	2800.915	-8.425	1.47E-132
<i>Cdh5</i>	401.295	1.402	0.001158154				
<i>Ifi27</i>	555.921	1.388	0.042022706				
<i>Zfp532</i>	391.439	1.387	0.039165153				
<i>Smarca2</i>	1084.414	1.379	0.009636562				
<i>Plat</i>	2312.407	1.343	0.005262043				
<i>Gm4294</i>	547.551	1.337	0.000704746				
<i>Cmtm3</i>	284.671	1.322	0.000873517				
<i>Rpl15-ps3</i>	8562.884	1.287	0.005262043				
<i>Gm6206</i>	321.412	1.193	0.019673334				
<i>Asah1</i>	3488.842	1.145	0.002067016				
<i>Gpt2</i>	530.673	1.140	0.012014694				
<i>Sema6a</i>	676.229	1.123	0.045072294				
<i>Pisd-ps1</i>	3559.954	1.001	0.011010573				
<i>Tmem150a</i>	308.229	0.983	0.026953258				
<i>Bahcc1</i>	2313.376	0.948	0.008239514				
<i>Atp11a</i>	2297.482	0.947	0.001207801				
<i>Slc17a5</i>	1027.990	0.944	0.013846932				
<i>Vegfa</i>	3634.098	0.873	0.005264977				
<i>Cdh13</i>	3191.281	0.847	1.05E-05				
<i>Tbx3</i>	5316.960	0.838	0.047066946				

<i>Arid5b</i>	1035.497	0.818	0.039845208
<i>Large</i>	840.153	0.808	0.012908849
<i>Galnt11</i>	639.879	0.766	0.01561526
<i>Hsd12</i>	923.246	0.728	0.044984804
<i>Cd24a</i>	14100.979	0.700	0.001513872
<i>Sap30</i>	1461.658	0.611	0.039165153
<i>Runx1</i>	1436.232	0.600	0.046228427

Table S15, related to Figure 6D (lower panel).

List of the significantly up-regulated and down-regulated mRNAs in *Csf1r/Mir34a*-deficient tumoroids compared to *Apc^{Min/+}* tumoroids.

Significantly up-regulated mRNAs				Significantly down-regulated mRNAs			
Gene symbol	Base mean	Log ₂ fold change	padj	Gene symbol	Base mean	Log ₂ fold change	padj
<i>Gm10182</i>	3021.766	5.666	1.59E-05	<i>Htra2</i>	1798.309	-0.555	0.041544
<i>Gpc3</i>	75.939	4.812	0.000112	<i>Gstm1</i>	6780.965	-0.737	0.005879
<i>Zip462</i>	209.491	4.460	0.003653	<i>Cdhr2</i>	3046.022	-0.853	0.019161
<i>Dkk2</i>	453.441	4.338	2.64E-06	<i>Ccnd2</i>	19892.557	-0.945	0.034215
<i>Cyp2f2</i>	128.239	4.204	5.21E-06	<i>Camkk2</i>	451.907	-1.068	0.046562
<i>Gm13067</i>	24.628	4.064	0.038304	<i>1110028F11Rik</i>	595.344	-1.104	0.022368
<i>Krt6a</i>	622.517	4.048	1.96E-10	<i>Cth</i>	1414.812	-1.116	0.009021
<i>Spink1</i>	68.628	4.042	0.022515	<i>Gstm3</i>	679.570	-1.165	0.01257
<i>Rtn1</i>	64.786	3.964	0.010003	<i>Anpep</i>	720.996	-1.246	0.046199
<i>Irx5</i>	654.455	3.921	6.40E-09	<i>Slc40a1</i>	1100.126	-1.297	0.000394
<i>Slc15a2</i>	172.769	3.845	0.017163	<i>St3gal6</i>	1449.498	-1.331	0.022368
<i>Gm29865</i>	63.006	3.836	3.06E-05	<i>Apob</i>	1304.153	-1.396	0.005601
<i>Fam43b</i>	92.413	3.824	0.004269	<i>Galnt6</i>	637.388	-1.509	0.000836
<i>Cmde</i>	233.410	3.784	3.85E-05	<i>Gata4</i>	2081.080	-1.518	0.00226
<i>Gm5148</i>	40.408	3.779	0.000636	<i>Oit1</i>	951.318	-1.554	0.030775
<i>Ncl2</i>	100.728	3.490	0.004269	<i>Ereg</i>	168.653	-1.660	0.048455
<i>Gm12669</i>	217.052	3.296	0.038703	<i>Tm6sf2</i>	150.051	-1.763	0.004396
<i>Cxcl14</i>	54.669	3.273	0.011498	<i>Ces2c</i>	254.584	-1.865	0.003241
<i>Gm45062</i>	160.126	3.254	0.040073	<i>Acta1</i>	134.371	-1.908	0.000705
<i>Car1</i>	269.064	3.215	0.010679	<i>Ccdc141</i>	1178.872	-1.917	0.021743
<i>Gpr157</i>	136.064	3.093	9.85E-07	<i>Rpl11</i>	2971.549	-1.920	0.000275
<i>RP23-45713.2</i>	223.702	3.069	6.07E-06	<i>Gsta1</i>	2811.844	-2.053	1.35E-07
<i>Pcdh7</i>	133.184	2.950	0.016184	<i>Cep85</i>	3224.738	-2.431	8.47E-15
<i>RP24-390A22.1</i>	939.211	2.943	2.34E-09	<i>Pla2g4a</i>	159.974	-2.454	0.014701
<i>Lrrn3</i>	81.537	2.893	0.008453	<i>Trf</i>	72.579	-2.613	0.016652
<i>Dynap</i>	78.475	2.826	0.009571	<i>Tgfb3</i>	91.135	-2.646	0.00226
<i>Tbx1</i>	2699.388	2.605	3.22E-06	<i>Muc6</i>	318.750	-2.668	2.33E-11
<i>Irx3</i>	66.315	2.550	0.009064	<i>Prp1</i>	811.752	-2.753	4.32E-05
<i>RP23-145116.5</i>	350.152	2.527	0.047585	<i>Apoc2</i>	59.957	-2.838	0.0346
<i>Enpp2</i>	201.155	2.472	8.00E-05	<i>Tek</i>	324.310	-2.893	0.043686
<i>Vim</i>	3736.819	2.455	1.47E-05	<i>Plac9b</i>	304.759	-3.078	1.57E-06
<i>Mreg</i>	60.312	2.415	0.034215	<i>Dzip11</i>	83.364	-3.099	0.032962
<i>Gm20463</i>	77.245	2.412	0.00226	<i>Tmem45a</i>	216.013	-3.181	0.014701
<i>Serpnb7</i>	58.653	2.350	0.019161	<i>Cybrd1</i>	219.553	-3.263	0.000187
<i>Gm14226</i>	548.793	2.265	4.27E-06	<i>Anxa10</i>	59.517	-3.278	0.016913
<i>Gm25287</i>	123.035	2.252	0.006312	<i>RP23-359B23.11</i>	692.619	-3.337	1.08E-39
<i>Apccd1</i>	2075.022	2.251	0.000836	<i>Cfh</i>	42.786	-3.773	0.023116
<i>Sl6gal1</i>	576.819	2.239	8.45E-06	<i>Gkn3</i>	94.745	-4.141	0.016184
<i>Htra1</i>	58.451	2.203	0.04251	<i>Vsig2</i>	77.927	-4.546	1.25E-10
<i>Znf41-ps</i>	118.132	2.178	0.013182				
<i>Col16a1</i>	348.416	2.172	0.00226				
<i>Rerg</i>	130.070	2.087	0.030775				
<i>Rassf4</i>	342.221	2.008	0.046562				
<i>Gm38394</i>	961.573	1.891	0.035358				
<i>Golga7b</i>	475.245	1.871	0.000123				
<i>Tgfb1</i>	300.710	1.843	0.028586				
<i>Gm22918</i>	125.585	1.828	0.033746				
<i>Rdh9</i>	777.053	1.792	4.85E-09				
<i>Tpbp</i>	262.197	1.778	0.010003				
<i>Gm13139</i>	155.515	1.751	0.010003				
<i>Reg3g</i>	983.822	1.751	0.01436				
<i>Tnfrsf11b</i>	2360.995	1.656	1.76E-06				
<i>Mtmr11</i>	740.967	1.599	9.70E-08				
<i>Ephb6</i>	566.105	1.589	0.006291				
<i>Hspb1</i>	415.251	1.581	0.010679				
<i>Tenm4</i>	1017.163	1.485	0.009746				
<i>Tbx3os1</i>	128.414	1.481	0.035104				
<i>Fbxo32</i>	816.623	1.461	0.018058				
<i>Casp12</i>	234.405	1.424	0.030819				
<i>Gm10036</i>	1791.573	1.392	0.016913				
<i>Slc16a10</i>	682.693	1.267	0.018529				
<i>Robo1</i>	731.218	1.245	0.02306				
<i>Tcf4</i>	1757.854	1.241	0.016913				
<i>Ptprd</i>	2082.306	1.230	0.000836				
<i>Dpysl3</i>	1071.417	1.165	0.016184				
<i>Mmp7</i>	12865.237	1.131	0.000155				
<i>Rarb</i>	360.379	1.122	0.048455				
<i>Zc3h12c</i>	495.719	1.097	0.04301				
<i>Itpkb</i>	367.206	1.084	0.034215				
<i>Bnip3</i>	3814.478	1.077	0.017631				
<i>Kitl</i>	4642.004	0.985	0.001501				
<i>Met</i>	1175.914	0.720	0.0346				
<i>Sap30</i>	1461.658	0.639	0.018258				
<i>Cdh13</i>	3191.281	0.528	0.036342				