

SNHG17 positive-related genes in TCGA	Downregulated genes in RNA-seq data	Overlap
ZYX	ZBED3-AS1	ADAM9
ZXDC	ALDH3A2	DMBT1
ZWINT	GCGR	ZNF296
ZWILCH	HPD	NOL4L
ZW10	ST6GALNAC6	NEK6
ZUP1	MAB21L3	CCDC51
ZSWIM9	ADAM9	CYSRT1
ZSWIM7	SLC1A3	NSF
ZSWIM5	MAN2A1	NOL9
ZSWIM4	MYEOV	ANKRD34A
ZSWIM3	DMBT1	INPP4A
ZSWIM1	AC010733.2	C1orf116
ZSCAN9	EVI2B	LIMS1
ZSCAN5C	AC121761.1	UBASH3B
ZSCAN5A	AC104447.1	ARMC10
ZSCAN31	ZNF296	FAM89A
ZSCAN30	NOL4L	GXYLT2
ZSCAN29	IQCH	ACE
ZSCAN26	NEK6	NANOS1
ZSCAN25	CCND1	LRGUK
ZSCAN22	AC017083.4	PITX3
ZSCAN20	TSSK5P	SPDYE3
ZSCAN2	MAMDC2	RHPN1
ZSCAN16	AVIL	SAPCD1
ZSCAN12	AC245041.1	P2RY11
ZRSR2	CCDC51	SOCS1
ZRANB2	DDX60	CMTM4
ZPR1	AC127496.7	TMEM63C
ZP3	AL513302.2	ASNS
ZP1	ADGRG3	GRIN3B
ZNRF1	RN7SL1	HMGA2
ZNRD2	CYSRT1	HTR1D
ZNRD1	LINC01679	FAM71E1
ZNHIT6	NSF	SSC4D
ZNHIT3	AL513497.1	ASPHD2
ZNHIT2	AL132655.2	ZHX1-C8orf76
ZNHIT1	NOL9	CLIC3
ZNF93	RIPOR2	RSPH4A
ZNF92	ABCC3	PRELID2
ZNF91	SUSD2	SIRT4
ZNF90	OASL	SLC12A5
ZNF891	PRSS36	GSDMB

ZNF888	TNS4	G6PD
ZNF880	CCL5	DDIAS
ZNF878	NNAT	STMN3
ZNF875	USP32P3	PHC1
ZNF865	AC104825.2	GLI1
ZNF862	SRD5A3-AS1	SCO2
ZNF853	ANKRD34A	SLC4A8
ZNF852	TINAGL1	KCNH2
ZNF850	INPP4A	CD7
ZNF85	FRGCA	ANKRD2
ZNF846	C1orf116	NHLH1
ZNF841	TJP3	LCTL
ZNF84	LIMS1	ERH
ZNF836	LINC01128	HOXA2
ZNF830	UBASH3B	APOBR
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ZNF821	ARMC10	KCNK9
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ZNF787	SNX18P7	PRR35
ZNF786	NANOS1	PSAPL1
ZNF785	LRGUK	C1orf127
ZNF784	PITX3	ADAM32
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ZNF780A	CALM2P2	
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ZNF628	GARNL3
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ZNF623	RSPH4A
ZNF622	VWCE
ZNF621	A2M
ZNF620	C20orf196
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ABCC1

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 ABCA3
 ABCA12
 AATK
 AATF
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 AAGAB
 AACS
 AAAS
 A4GNT
 A4GALT

SNHG17 negative-related genes in TCGA

ZNF385B
 ZMYND12
 ZG16
 ZFP1
 ZBTB16
 XDH
 XAF1
 WNK3
 VWA8
 VIPR1
 USH2A
 UROC1
 UPP2
 UPB1
 UGT3A1
 UGT2B7
 UGT2B4

Upregulated genes in RNA-seq data

AC009086.2
 AL158066.1
 AC138696.1
 AC068234.1
 AC006547.3
 ZFP91-CNTF
 BORCS7-ASMT
 MAT1A
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 COL25A1
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 MMP23B
 STRC
 AC022028.2
 C1QTNF9
 PAQR9

Overlap

MAT1A
 COL25A1
 HSD17B13
 DIO1
 TDO2
 BMPER
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 RASGEF1B
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 DUSP10
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 PDK4
 RUNDC3B
 SERPING1
 NTN3

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UGT1A9	AC009927.1	
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UBXN10	PPFIA2	
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TTC39B	AL445483.1	
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TLCD4	MOBP	
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THRSP	DHRS9	
TFR2	AC005034.4	
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TEK	AC025287.1
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SYT10	AC023644.1
SYNPO2	FBXL7
SYNE1	HSD17B13
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STEAP3	MAGEB3
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SPTBN2	AC244102.1
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SPP2	AL161719.1
SPDYC	AC113607.1
SPATA18	AC026464.2
SPACA7	LINC02404
SOWAHB	AL158196.1
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SORD	AC113139.1
SORBS2	MIAT_exon5_3
SOCS2	GPR18
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SLC6A1	AC009163.3
SLC51A	AC100788.1
SLC4A4	AC107982.1
SLC47A1	AC010997.3
SLC46A3	AC064801.1
SLC41A2	PRLR
SLC39A8	DIO1
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SLC38A3	SNORA1
SLC35D1	AP001527.1
SLC34A1	AC090617.6
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SLC27A2	CLDN14
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SEC14L2	AL049830.3
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SC5D	AL049697.1
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SALL1	AC015818.2
SAA4	AC106820.3
SAA2-SAA4	TNFRSF14-AS1
SAA2	AC104452.1
SAA1	CATSPERG
RUNDC3B	CELF5
RTP3	AC120498.9
RTL4	AGTR1
RSPO3	AC007731.5
RORC	SOX21-AS1
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ROPN1B	TDO2

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RNF125	BMS1P4
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RHCE	AC110597.3
RGS7BP	ZNF724
RGN	LINC02535
RFPL1	SCHIP1
RETREG1	AC122129.1
REPS2	ELFN2
REEP6	AC005225.5
RDH5	AL162258.2
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RCAN1	HMCN1
RBP5	AC090970.3
RBP4	P2RX2
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PPARA	LRRC37A11P
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PLSCR4	RELN
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PLCXD3	POU5F1B
PLCL2	CDH5
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PIK3R1	ACP5
PIK3C2G	AC024257.3
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PIGR	LINC02475
PI4K2B	GPR3
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PHYH	AL138976.2
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PGM1	AC010503.4
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PDK4	AL117209.1
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PCK2	AC112220.4
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PC	P4HA3
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OIT3	PELI2
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OAF	PLAU
NXF3	AGT
NUGGC	AC087623.4
NUDT7	PGM2L1
NUDT6	AC008764.1
NUDT12	TRPM2-AS
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NTF3	C3orf52
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NR1I3	PTGS2
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ND4L	PLAT
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NAT1	ANPEP
NAAA	NFIX
N4BP2L1	NCAM1
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MYO16	PACERR
MYLK	AC098614.1
MTUS2	LINC00882
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MT2A	FNDC4
MT1X	CADPS2

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MT1G	NR4A3
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MPDZ	NECAB1
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MOGAT1	ZNF616
MMUT	SPOCD1
MME	ZNF93
MMAA	ZBTB43
MLYCD	KCNS3
MLIP	CXCL2
MIP	NEUROG2
MICU3	EMP1
MGST1	TMEM33
MFSD2A	AP001350.2
MFAP3L	GEM
METTL7A	DUSP10
MEP1B	C1orf140
MEGF10	USP51
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MBL2	AC017100.1
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MASP1	SEPT4
MAP3K5	AC092720.1
MAOB	ZNF184
MAN1C1	AL162377.1
LYVE1	VASH2
LYPD2	ZNF14
LRRC3	CRYAB
LRRC2	CXCL8
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LPIN2	ZNF714
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LONP2	AL162595.1
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LOC101929773	SLC25A21
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LEAP2	RNF185
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KLF15	TOX3
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KDR	TM4SF1
KDM8	SELPLG
KCNN2	LINC01116
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KCNJ8	EXOC3-AS1
KCND3	ZNF204P
KCNB1	ZNF154
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KAT2B	RDH5
IYD	YEATS2-AS1
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ITIH1	TSLP
ISOC1	NES
IQSEC3	DPY19L2P2
IQGAP2	INHBA
INS-IGF2	CRCP
INSIG1	CREB5
INMT	SLC2A3
INHBC	LMTK3
IL33	PRSS22
IL27	EOMES
IL1RL1	SESN2
IL1RAPL2	ERV3-1
IL18R1	ASB1
IGFBP4	ZNF25

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IGF1	AC096733.2
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HSD17B4	TRIB3
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HRG	ZNF680
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HPR	RRAGD
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HOMER2	AC080080.1
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HMGCL	IL6R
HLF	ZNF572
HJV	LIMK1
HIBADH	LINC00518
HHIP	LPP-AS2
HGFAC	ZNF766
HGD	ITGA7
HERC5	B4GALT1-AS1
HERC3	RRM2
HEPACAM	KLF6
HDC	ZNF554
HAO2	THBS1
HAO1	AC009779.3
HAMP	IGFN1
HAGH	ZDHHC16
HADH	B4GALT4-AS1
HAAO	SERPING1
GYS2	RCN3
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GSTA1	AL606834.2
GRIN2B	AC073072.1

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GRAMD1C	THRB
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GPR182	GALNT13
GPR146	TBC1D9
GPM6A	ZNF845
GPLD1	FGD4
GPHN	AC005332.7
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GOT2	TRIML2
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GOLGA6A	ZNF429
GNMT; CNPY3-GNMT	AC015660.1
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GNAO1	MIATNB
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GLYAT	ADAMTS3
GLS2	BAALC-AS1
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GFRA1	CHST14
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GCGR	AC093010.3
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FMO3	FOXP4
FMO2	ZNF860
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FGA	TCF19
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FCAMR	AL117336.3
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F8	UBE2D1
F7	CXCL3
F5	ZNF165
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DSG1	AL121944.1
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DPYS	ZNF26
DPT	ZNF45
DPF3	SPOPL
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DNAJC25	FNDC10
DNAH6	IL6
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DLG2	BHLHE41
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DHRS1	AC092295.2
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DBT	ZNF227
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DAO	POMK
CYTB	ZNF257
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CTBS
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CRHBP
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COL18A1
COBLL1
CNTN3
CNDP1
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CLYBL
CLTRN
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CLEC4G
CLEC3B
CLEC1B
CIDEB
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C4BPA
C3orf85
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C1S
C1RL
C1R
C14orf180
C11orf54
BTD
BMX
BMPER
BMP10
BMERB1

BHMT2
BHMT
BDH1
BCO2
BCKDHB
BCHE
BBOX1
BAAT
AZGP1
AVPR1A
AUTS2
ATP11C
ATOH8
ASXL3
ASS1
ASPDH
ASPA
ARSF
ARSD
ARRDC4
ARPP21
ARID3C
ARHGAP42
ARHGAP20
ARG1
AR
AQP9
APOL6
APOH
APOF
APOC4
APOC3
APOB
APOA5
APCS
APBA1
AOX1
ANXA10
ANO3
ANO1
ANKS4B
ANGPTL6
ANGPTL3
ANGPTL1

ANG
AMDHD1
AMBP
ALPL
ALDOB
ALDH9A1
ALDH8A1
ALDH7A1
ALDH6A1
ALDH5A1
ALDH2
ALDH1L1
ALDH1A1
ALB
ALAD
AKR7A3
AKR1D1
AKAP6
AKAP3
AHSG
AGXT2
AGXT
AGMO
AGMAT
AGL
AFM
ADRB2
ADRA2B
ADRA1B
ADRA1A
ADI1
ADHFE1
ADH7
ADH6
ADH4
ADH1C
ADH1B
ADH1A
ADGRG7
ADGRA3
ADCY1
ADAMTSL3
ACY3
ACVR1C

ACSM5
ACSM3
ACSM2B
ACSM2A
ACSL5
ACSL1
ACOX2
ACOX1
ACOT12
ACO1
ACMSD
ACKR2
ACE2
ACBD4
ACAT1
ACADSB
ACADS
ACADM
ACADL
ACAD11
ACACB
ACAA2
ACAA1
ABHD6
ABHD2
ABCG8
ABCG5
ABCG2
ABCC9
ABCC6
ABCC11
ABCB4
ABCB11
ABCA9
ABCA8
ABCA6
ABAT
AASS
AADAT
AADAC
A1CF
A1BG

