

Table S9. Upregulated transcription genes

Gene symbol	Gene name
Atbf1	AT motif binding factor 1
Bach2	BTB and CNC homology 2
Basp1	Brain abundant, membrane attached signal protein 1
Bcor	Bcl6 interacting corepressor
Carm1	Coactivator-associated arginine methyltransferase 1
Cebpd	CCAAT/enhancer binding protein (C/EBP), delta
Egr2	Early growth response 2
Emx2	Empty spiracles homolog 2 (Drosophila)
Evx1	Even skipped homeotic gene 1 homolog
Gata4	GATA binding protein 4
Gli3	GLI-Kruppel family member GLI3
Gls2	Liver mitochondrial glutaminase
Gsc	Goosecoid
Hes1	Hairy and enhancer of split 1 (Drosophila)
Hoxa1	Homeo box A1
Hoxd1	Homeo box D1
Hoxd13	Homeo box D13
Hoxd8	Homeo box D8
Irx1	Iroquois related homeobox 1 (Drosophila)
Junb	Jun-B oncogene
Lbx1h	Lady bird-like homeobox 1 homolog (Drosophila)
Mbd3	Methyl-CpG binding domain protein 3
Mxi1	Max interacting protein 1
Nfatc2	Nuclear factor of activated T-cells, cytoplasmic 2
Nfe2l3	Nuclear factor, erythroid derived 2, like 3
Nr2e3	Nuclear receptor subfamily 2, group E, member 3
Rbak	RB-associated KRAB repressor
Ripk4	Ankyrin repeat domain 3
Runx2	Runt related transcription factor 2
Six1	Sine oculis-related homeobox 1 homolog (Drosophila)
Sox13	SRY-box containing gene 13
Sox15	SRY-box containing gene 15
Sox2	SRY-box containing gene 2
Sp5	Trans-acting transcription factor 5
Tcf15	Transcription factor 15
Tcfap2a	Transcription factor AP-2, alpha
Tcfcp2l3	Grainyhead like 2 (Drosophila)
Trim30	Tripartite motif protein 30
Zfp235	Zinc finger protein 235
Zfp278	Zinc finger protein 278
Zfp41	Zinc finger protein 41
Zfp42	Zinc finger protein 42
Zfp62	Zinc finger protein 62
Znrd1	RIKEN cDNA 1110014N07 gene