

Gene	Transcription Factor Binding Site
IL4	IRF1 ^{*+} IRF2 [*]
IL1B	NFκB ⁺ CREB [*] C/EBPB [*] STAT1 ^{*¥}
G-CSF	KFκB ^{*+} C/EBPα [*] C/EBPB [*] TAL1α/E47 ^{+§}
SDF1α	STAT ⁺ TAL1α/E47 ^{+§} c-Jun [#] STAT1 ^{#¥}
IFNγ	IRF1 ⁺ IRF2 ⁺ STAT3 [*] NFκB [*] CREB [*] c-Jun [*]
IL6	NFκB [*] AP-1 [*] c-Jun [*] C/EBPB [*] CREB ⁺ IRF1 ⁺ IRF2 ⁺
IRF1	STAT ^{+*} AP-1 ⁺ NFκB [*]
IRF2	CREB ⁺ IRF1 [*]
<p>* denotes transcription factor binding site (BioBase TRANSFAC) # denotes transcription factor binding site in the vicinity of the gene (BioBase TRANSFAC) + denotes site computationally predicted (UCSC Genome Bioinformatics) ¥ STAT1 and STAT3 have similar binding motifs (BioBase TRANSFAC) C/EBPα is phosphorylated by GSK3 [1] § TAL1α is phosphorylated by Erk1 [2] and Akt [3] (REF). Phosphorylation by Akt inhibits TAL1α repressor activity [3].</p>	

References

1. Ross S, Erickson R, Hemati N, MacDougald O (1999) Glycogen synthase kinase 3 is an insulin-regulated C/EBPα kinase. *Mol Cell Biol* 19: 8433-8441.
2. Cheng J, Cobb M, Baer R (1993) Phosphorylation of the TAL1 oncoprotein by the extracellular-signal-regulated protein kinase ERK1. *Mol Cell Biol* 13: 801-808.
3. Palamarchuk A, Efanov A, Maximov V, Aquilan R, Croce C, et al. (2005) Akt phosphorylates Tal1 oncoprotein and inhibits its repressor activity. *Cancer Res* 65: 4515-4519.