

Table 4. Top 5 of 240 TFs identified within 2 kb upstream of the annotated transcription start sites of RefSeq genes

TransFac ID	TransFac class	Factor name	Gene ontology	P value
NRF2_01*	Leucine zipper	Nuclear respiratory factor 2	Transcription from RNA polymerase II promoter	1.946E-09
SREBP1_01*	Basic region + helix-loop-helix + leucine zipper	Sterol regulatory element-binding protein 1a	Regulation of transcription from RNA polymerase II	0.0000006
CREBP1CJUN_01 (AP-1)*	Leucine zipper factor	c-Jun	Cell growth and maintenance	0.000002
E2F_02	Fork head	E2f	Transcription factor activity	0.001
RFX1_02	Fork head	EF-C	RNA polymerase II transcription factor activity	0.005

*Identified by previous study.