

SUPPLEMENTAL TABLE S3: EPO/EPOR MODULATED TRANSCRIPTION FACTORS

gene symbol, gene name [Entrez gene ID]	EPO modulation, fold change	known / novel	description	reference (PMID #)
<i>Klf3</i> , Kruppel-like factor 3 (basic)[16599]	2.4x down	N	Binds to the CACCC box of erythroid cell-expressed genes; may play a role in hematopoiesis	17283065, 10582345
<i>Mllt3</i> , myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3 [70122]	3.3x down	N	Regulates early human erythroid and megakaryocytic cell fate	18371451
<i>Taf4b</i> , TAF4B RNA polymerase II, TBP-associated factor [72504]	2.8x up	N	Cell type-specific subunit of TFIID that may function as a gene-selective coactivator in certain cells	16205117, 11856754
<i>Atf4</i> , activating transcription factor 4 [11911]	2.6x up	N	Transcriptional activator; binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters	20592469, 17466566
<i>Tsc22d1</i> , TSC22 domain family, member 1 [21807]	2.6x down	N	Transcriptional repressor; acts on the C-type natriuretic peptide (CNP) promoter	20802130, 17690703
<i>Sertad3</i> , SERTA domain containing 3 [170742]	2.2x down	N	Strong transcriptional coactivator	10982866, 17260023
<i>Hbp1</i> , high mobility group box transcription factor 1 [73389]	2.2x down	N	Transcriptional repressor that binds to the promoter region of target genes	20581871
<i>Fam117a</i> , family with sequence similarity 117, memberA [215512]	2.2x down	N	Marker for FeCL locus influencing ovulation rate in Lacaune sheep	19466934
<i>Jmjd1c</i> , jumonji domain containing 1C [108829]	2.1x down	N	histone demethylase; transcriptionally regulate mouse testis development	20530532