

Supplemental table 1

Genes	Xenbase.gene.ID	Description	St10	St11	St14
atf3.L	XB-GENE-6085256	activating transcription factor 3 [Source:Xenbase;Acc:XB-GENE-6085251]	+	-	-
cited4.L	XB-GENE-946644	Cbp/p300-interacting transactivator [Source:Xenbase;Acc:XB-GENE-946639]	-	-	+
eomes.L	XB-GENE-865305	eomesodermin [Source:Xenbase;Acc:XB-GENE-479769]	-	-	+
foxa1.L	XB-GENE-487356	forkhead box A1 [Source:Xenbase;Acc:XB-GENE-487352]	-	+	-
foxa2.L	XB-GENE-865381	forkhead box A2 [Source:Xenbase;Acc:XB-GENE-480476]	+	-	+
foxd4l1.1.S	XB-GENE-865254	forkhead box D4 like 1, gene 1 [Source:Xenbase;Acc:XB-GENE-479247]	-	-	+
hesx1.S	XB-GENE-6252654	HESX homeobox 1 [Source:Xenbase;Acc:XB-GENE-483193]	+	-	-
irf1.L	XB-GENE-6255163	interferon regulatory factor 1 [Source:Xenbase;Acc:XB-GENE-942994]	+	-	-
irf1.S	XB-GENE-17345840	interferon regulatory factor 1 [Source:Xenbase;Acc:XB-GENE-942994]	+	-	-
irf6.2.L	XB-GENE-5910427	interferon regulatory factor 6, gene 2 [Source:Xenbase;Acc:XB-GENE-5910331]	-	-	+
jun.L	XB-GENE-864843	jun proto-oncogene [Source:Xenbase;Acc:XB-GENE-482228]	+	-	-
klf10.S	XB-GENE-866571	Kruppel-like factor 10 [Source:Xenbase;Acc:XB-GENE-854761]	-	+	-
ncoa2.S	XB-GENE-864856	nuclear receptor coactivator 2 [Source:Xenbase;Acc:XB-GENE-482311]	-	+	-
nfkbia.L	XB-GENE-866028	NFKB inhibitor alpha [Source:Xenbase;Acc:XB-GENE-491079]	-	+	-
nfkbia.S	XB-GENE-17331094	NFKB inhibitor alpha [Source:Xenbase;Acc:XB-GENE-491079]	-	+	-
phox2a.S	XB-GENE-853858	paired like homeobox 2A [Source:Xenbase;Acc:XB-GENE-853857]	-	-	+
rreb1.L	XB-GENE-6488261	ras responsive element binding protein 1 [Source:Xenbase;Acc:XB-GENE-492150]	-	-	+
rxra.L	XB-GENE-865207	retinoid X receptor alpha [Source:Xenbase;Acc:XB-GENE-478718] SRY (sex determining region Y)-box 17 beta, gene 1 [Source:Xenbase;Acc:XB-GENE-484865]	-	-	+
sox17b.1.L	XB-GENE-865510	SRY-box 7 [Source:Xenbase;Acc:XB-GENE-488067]	-	-	+
sox7.L	XB-GENE-865761	Sp5 transcription factor [Source:Xenbase;Acc:XB-GENE-1217606] sterol regulatory element binding transcription factor 2 [Source:Xenbase;Acc:XB-GENE-1011360]	-	-	+
srebf2.L	XB-GENE-1011364	T-box 2 [Source:Xenbase;Acc:XB-GENE-1018115]	-	-	+
vegt.S	XB-GENE-1033836	vegt protein [Source:Xenbase;Acc:XB-GENE-1033829]	-	-	+
zdhhc2.L	XB-GENE-947261	zinc finger DHHC-type containing 2 [Source:Xenbase;Acc:XB-GENE-947256]	-	-	+
znf217.L	XB-GENE-1020935	zinc finger protein 217 [Source:Xenbase;Acc:XB-GENE-1020928]	-	-	+
znf750.L	XB-GENE-5775750	zinc finger protein 750 [Source:Xenbase;Acc:XB-GENE-5775684]	-	-	+

Supplemental table1 : Retinoic acid negative targets encoding transcription factors (genes up-regulated as a result of retinoic acid disruption with a $\log_2\text{fc} \geq 0.5$). Manual annotation of some genes from Xenbase website pages information is indicated in red.