

Gene	Autoregulation	Evidence	Function	Chromosome
<i>AP-2alphaA</i>	Positive	General function	Controls keratinocyte-specific gene expression	-
<i>Fos</i>	Negative	Direct	Activator or repressor as a heterodimer with <i>Jun</i>	14
<i>Jun</i>	Positive	General function	Activator, in particular of genes required for DNA synthesis and cell proliferation	1
<i>Myc</i>	Negative	Direct	Causes release of cytochrome C from mitochondria and subsequent Caspase-9 processing	8
<i>Elk1</i>	Positive	General function	Mediates insulin-increased transcription of the prolactin gene in pituitary cells	X
<i>Gli1</i>	Positive	Direct	Gli-1 intracellular localization regulated by nucleocytoplasmic shuttling by Su(fu) protein	12
<i>Nr3c1</i>	Dual	General function	Activator or repressor in response to glucocorticoid hormones	5
<i>Hnf4a</i>	Positive	General function	Not specified	20
<i>Nfkb2</i>	Positive	General function	Activator when present as heterodimer with RelA	10
<i>Irf1</i>	Positive	General function	Positive regulator of interferon-beta and IFN-induced genes	5
<i>Maz</i>	Negative	Direct	Involved in transcriptional initiation and termination at the c-myc P2 promoter	16
<i>Nfkb1</i>	Positive	General function	Key regulator of genes involved in responses to infection, inflammation, stress	4
<i>Tp53</i>	Dual	Direct	Tumor suppressor, required for cells to pass the G1-S checkpoint	17
<i>Sp1</i>	Positive	Direct	Important regulator of keratinocyte-specific gene expression	12

Table S2: Autoregulation in Humans [2, 6, 7, 8, 9] (continued below).

Gene	Autoregulation	Evidence	Function	Chromosome
<i>Srf</i>	Dual	General function	Induces an optimal TFIID conformation for recruitment of the transcription preinitiation complex	6
<i>Sry</i>	Not specified	-	Sex-determining region Y gene product; testis-determining factor	Y
<i>Runx1</i>	Positive	General function	Related to t(8,21) acute myeloid leukemia	21
<i>Atf3</i>	Negative	Direct	Plays a critical role in accelerating caspase protease activation and apoptosis	1
<i>Fosl1</i>	Positive	Direct	Activator as a heterodimer with Jun factors	11
<i>Stat1</i>	Positive	General function	Acts synergistically with NF-kappaB for activation of inflammatory genes	2
<i>E2f1</i>	Positive	Direct	Regulates the expression of Apaf-1, the gene for apoptosis protease-activating factor 1	-
<i>Spi1</i>	Positive	General function	Binding sites cooperate for activation of some myeloid-specific promoters	11
<i>Sp3</i>	Negative	General function	Expression of Sp1 and Sp3 was found co-regulated in fibrosarcoma cell lines	2
<i>Phox2b</i>	Positive	General function	Activates gene expression of DBH and c-Fos T00123 in response to both the PKA and PKC	4
<i>Irf7</i>	Not specified	-	Not specified	11
<i>Irf4</i>	Positive	General function	essential for function of mature B- and T-lymphocytes	-
<i>Tp73</i>	Not specified	-	Not specified	1
<i>Tp63</i>	Not specified	-	Not specified	3

Table S2: Autoregulation in Humans continued [2, 6, 7, 8, 9].