

# **AP-1 Subtype Switching to FRA1-JUNB, a Downstream Target of STAT3, Induces Th17 Cell Differentiation and Experimental Autoimmune Arthritis**

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## Supplementary tables

**Table S1. Genes up-regulated by STAT3 in Th17 cells.** These gene listed were from the STAT3 literature, STAT3 ChIP-seq, and those up-regulated in Th17 RNA-seq (see Figure 1a). RNA-seq FPKM values were from Cufflinks and ChIP-seq fold enrichment values were from MACS.

Genes	RNA-SEQ			ChIP-SEQ
	Naïve FPKM	Th17 FPKM	Log2 (Fold change)	Fold enrichment
<i>SOCS1</i>	26.40	301.4	3.51	7.36
<i>SOCS3</i>	19.68	84.07	2.09	14.6
<i>CCND3</i>	101.28	230.88	1.19	7.76
<i>MT1</i>	0	3.56	NA	10.23
<i>FASN</i>	36.06	72.94	1.02	5.93
<i>BCL2L1</i>	77.23	197.24	1.35	11.55
<i>IL21</i>	0.73	45.06	5.95	6.07
<i>JUNB</i>	122.6	676.44	2.46	13.53
<i>HIF1A</i>	54.64	148.16	1.44	10.38
<i>MAP2K3</i>	27.6	85.06	1.62	15.47
<i>LDLR</i>	14.57	33.89	1.22	8.97
<i>OSM</i>	11.52	34.17	1.57	10.02
<i>IL2RA</i>	121.31	365.91	1.59	9.21
<i>MUC1</i>	0	3.19	NA	12.66
<i>TNF</i>	20.94	64.97	1.63	7.21
<i>CEBPB</i>	4.56	39.31	3.11	12.3
<i>NFIL3</i>	23.69	73.72	1.64	5.02
<i>TIMP1</i>	0	14.12	NA	15.4
<i>BIRC5</i>	37.89	98.95	1.38	11.76
<i>VIM</i>	110.92	175.70	0.66	6.7
<i>STRA13</i>	31.71	68.26	1.11	6.16
<i>JAK3</i>	37.73	97.45	1.37	25.42
<i>FOSL1</i>	1.53	12.55	3.04	8.93
<i>MYD88</i>	28.79	57.56	1.00	17.63
<i>GADD45B</i>	13.7	41.96	1.61	7.19