

Table S8. Transcriptional factors tied to the up-regulated DEGs

#	Key TF	Description	# of overlapped genes	P value	FDR
1	<i>Nfkb1</i>	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105	13	1.06e-16	2.55e-15
2	<i>Stat1</i>	signal transducer and activator of transcription 1	5	7.79e-09	6.97e-08
3	<i>Jun</i>	jun proto-oncogene	7	8.71e-09	6.97e-08
4	<i>Rela</i>	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	6	1.72e-07	9.23e-07
5	<i>Irf1</i>	interferon regulatory factor 1	4	1.92e-07	9.23e-07
6	<i>Cebpb</i>	CCAAT/enhancer binding protein (C/EBP), beta	4	1.66e-06	6.09e-06
7	<i>Ikbkb</i>	inhibitor of kappaB kinase beta	3	1.78e-06	6.09e-06
8	<i>Fos</i>	FBJ osteosarcoma oncogene	4	5.33e-06	1.6e-05
9	<i>Irf8</i>	interferon regulatory factor 8	3	1.41e-05	3.75e-05

10	<i>Hdac1</i>	histone deacetylase 1	3	2.59e-05	5.64e-05
11	<i>Rel</i>	reticuloendotheliosis oncogene	3	2.59e-05	5.64e-05
12	<i>Ep300</i>	E1A binding protein p300	3	0.000258	0.000516
13	<i>Egr1</i>	early growth response 1	3	0.000424	0.000783
14	<i>Pou2f2</i>	POU domain, class 2, transcription factor 2	2	0.000555	0.000928
15	<i>Stat3</i>	signal transducer and activator of transcription 3	3	0.00058	0.000928
16	<i>Klf4</i>	Kruppel-like factor 4 (gut)	2	0.000696	0.00104
17	<i>Ahr</i>	aryl-hydrocarbon receptor	2	0.000936	0.00132
18	<i>Cebpa</i>	CCAAT/enhancer binding protein (C/EBP), alpha	2	0.00112	0.00149
19	<i>Spi1</i>	spleen focus forming virus (SFFV) proviral integration oncogene	2	0.00309	0.00389
20	<i>Crebbp</i>	CREB binding protein	2	0.00324	0.00389
21	<i>Ppara</i>	peroxisome proliferator activated receptor alpha	2	0.00407	0.00465

22	<i>Sp3</i>	trans-acting transcription factor 3	2	0.0127	0.0139
23	<i>Trp53</i>	transformation related protein 53	2	0.0466	0.0486
24	<i>Sp1</i>	trans-acting transcription factor 1	2	0.107	0.107

Note: data acquired from TRRUST (version 2) (<https://www.grnpedia.org/trrust/>)