

Figure S1: Lentiviral protein overexpression analysis.

The top panel includes a representative western blot comparing A20 and ABIN1 overexpressing with mock infected (GFP expressing) keratinocytes. Bottom panel shows quantitated results for the six replicates. GAPDH was used as the loading control (* represents significance (p -value < 0.05, student's t-test)).

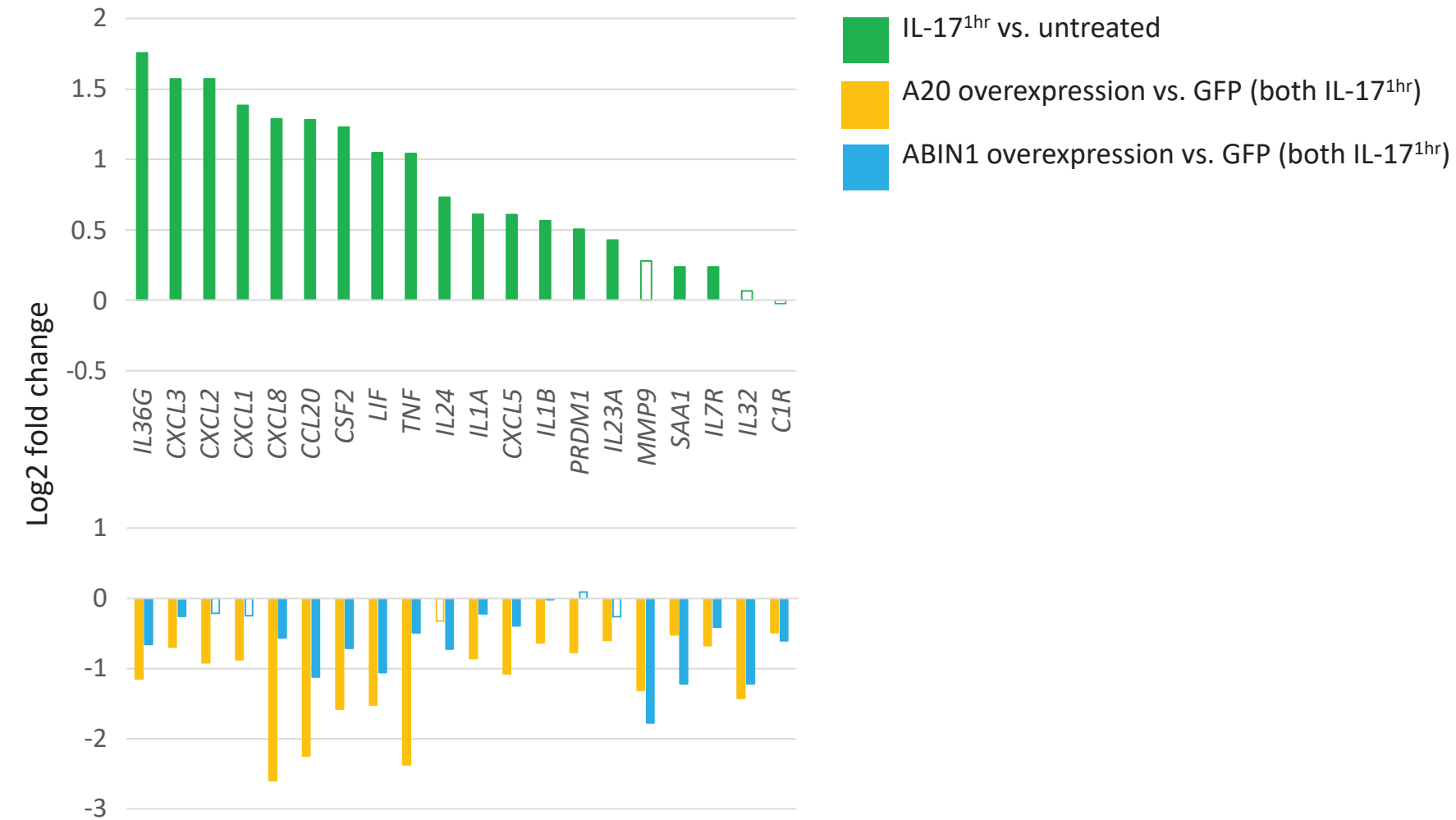
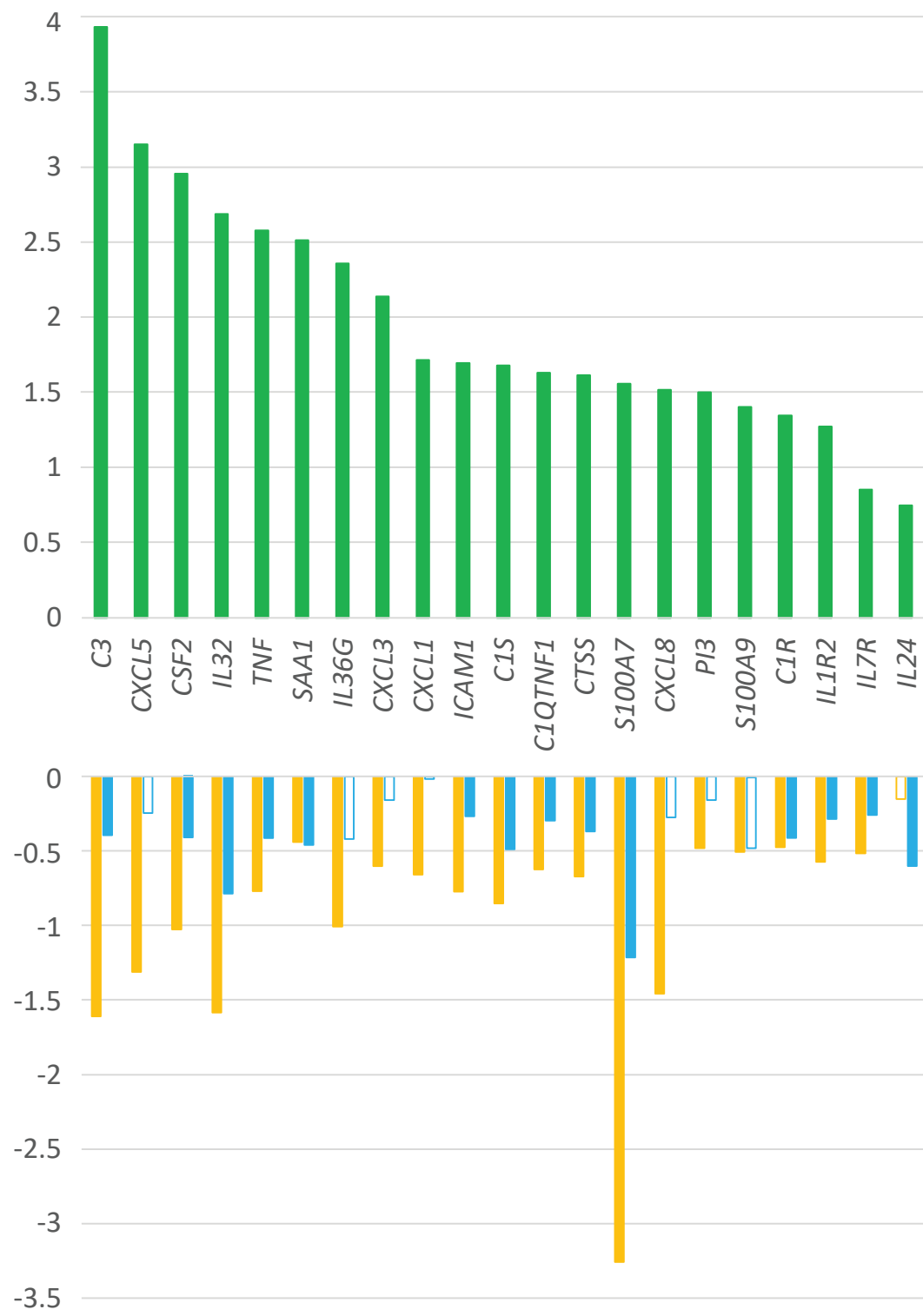


Figure S2: A20 robustly and ABIN1 modestly represses IL-17A induced inflammatory transcriptional programs.

Top panel depicts relative expression (log₂ fold change) of mock infected (GFP) keratinocytes incubated with IL-17A for 1 hour versus untreated mock infected keratinocytes. Bottom panel depicts relative expression (log₂ fold change) for either A20 or ABIN1 overexpressing keratinocytes compared to mock infected (GFP) keratinocytes, all samples treated with IL-17A for 1 hour. Data shown represents edgeR RNA-seq differential expression results for 6 replicates for each permutation (FDR < 0.05 except for non-shaded bars).

Log2 fold change



- TNF^{24hr} vs. untreated
- A20 overexpression vs. GFP (both TNF^{24hr})
- ABIN1 overexpression vs. GFP (both TNF^{24hr})

Figure S3: A20 robustly and ABIN1 weakly represses TNF α induced inflammatory transcriptional programs.

Top panel depicts relative expression (log₂ fold change) of mock infected (GFP) keratinocytes incubated with TNF α for 24 hours versus untreated mock infected keratinocytes. Bottom panel depicts relative expression (log₂ fold change) for either A20 or ABIN1 overexpressing keratinocytes compared to mock infected (GFP) keratinocytes, all samples treated with TNF α for 24 hours. Data shown represents edgeR RNA-seq differential expression results for 6 replicates for each permutation (FDR < 0.05 except for non-shaded bars).

Supplemental Table 3: Lentiviral overexpression open reading frame vectors.

Name	GeneCopoeia Catalog Number	Full Name
A20/TNFAIP3	EX-K6040-Lv105-50	ORF expression clone for A20(NM 001270507.1)
EGFP	EX-EGFP-Lv105-50	Control vector (with EGFP) for pReceiver-Lv105
ABIN1/TNIP1	EX-T8175-Lv105-50	ORF expression clone for ABIN1(NM 001252391.1)