

Supplemental Figure legends

Supplemental Figure 1. Deletion mutants within the *I12b* enhancer modify IL-12p40

reporter activity (A) The sequence of the *I12b* enhancer between the EnPr2 and EnPr3 boundaries is shown. Deletion mutants were designed to contain the entire EnPr2 reporter construct except for each respective 10 bp sequence labeled a through i. The NFIL-3 binding site is partially lost in deletion mutants h and i. (B and C) Luciferase reporter activity in stably transfected RAW267.4 macrophages is shown following stimulation with LPS or LPS + IL-10 for the times indicated. Data are presented as mean relative luciferase units (RLU) plus the SD (B), or the fold change in RLU plus the SD compared to time = 0 (C).

Supplemental Figure 2. Neither C/EBP β nor C/EBP δ are required to regulate IL-12p40.

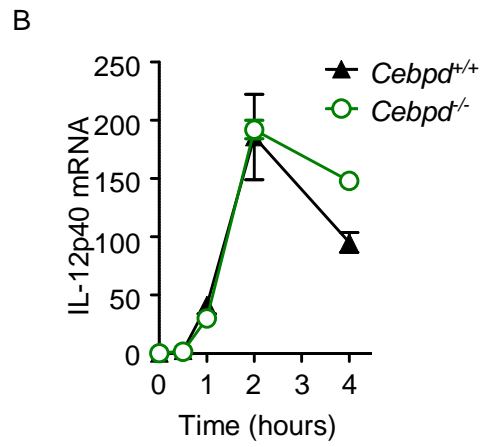
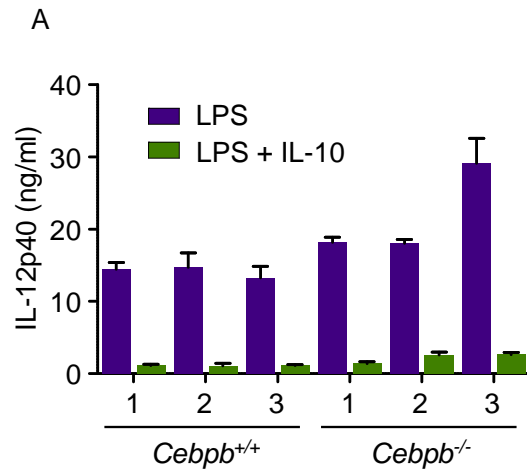
(A) BMDMs from *Cebpb*^{-/-} or WT littermate controls were stimulated with LPS or LPS + IL-10 for 24 hr. IL-12p40 was detected in the supernatants by ELISA, and data are presented as the mean concentration plus the SD. (B) BMDMs from *Cebpd*^{-/-} or WT littermate controls were stimulated with LPS or LPS + IL-10 over time, and IL-12p40 transcripts were analyzed by qRT-PCR. Data are presented as the mean IL-12p40 mRNA normalized to Gapdh \pm the SD.

Supplemental Figure 3. NFIL-3, but not NFIL-3 mutants, binds the enhancer region of

I12b. (A-B) IVTT NFIL-3 was generated and bound to ³²P-labeled oligonucleotide probes and then complexes were resolved by electrophoresis. (A) Neither IVTT C/EBP β , nor Arg1 (arginase 1, used as a negative control) bound to the *I12b* enhancer region as compared to NFIL-3. (B) Only IVTT generated NFIL-3, but not the DNA binding mutant NFIL-3 N83G, or the homodimer mutant NFIL-3 L108V, bound to the *I12b* enhancer region.

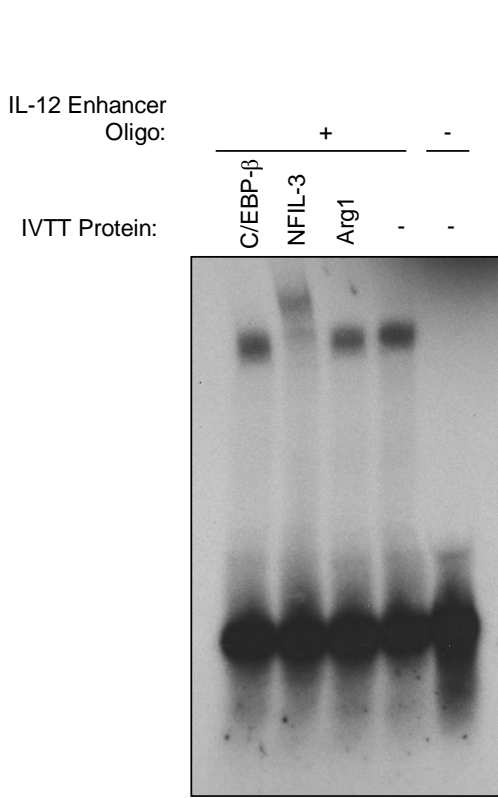
Supplemental Table 1. Qualitative mass spectrometry summary. Mass spectrometry was performed as described in the Materials and Methods. We filtered the data by first excluding high abundance nuclear proteins including splicing factors. The remaining proteins were then compared between the conditions used: LPS stimulation alone versus LPS + IL-10 stimulation for the same time period. Proteins unique to the LPS + IL-10 condition are listed first, followed by proteins found in both LPS or LPS + IL-10 stimulation. Last are proteins found only in the LPS stimulation. Note that these data do not represent quantitative determination of any protein but instead reflect relative enrichment in one condition versus another.

Supplemental Figure 2

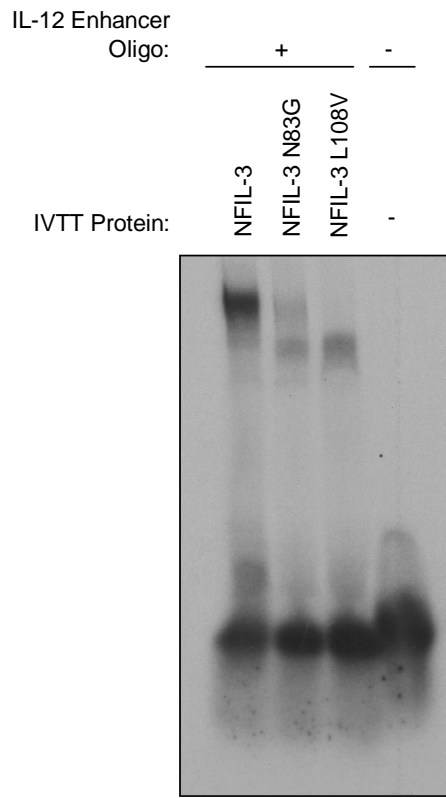


Supplemental Figure 3

A



B



Supplemental Table 1

<i>LPS and IL-10 UNIQUE</i>		Regulated by IL-10 or the Stat3 pathway?	Notes
CEBPD	CCAAT/enhancer-binding protein delta	IL-10 regulated	B-ZIP family
EWS	RNA-binding protein EWS - Mus musculus		EWS founding member
ILF2	Interleukin enhancer-binding factor 2 - Mus musculus		NFAT subunit
IRG1	Immune-responsive gene 1 protein		unknown function, often found in macrophage stress/cytokine responses
MED17	Mediator of RNA polymerase II transcription subunit 17		Mediator subunit
NFIL3	Nuclear factor interleukin-3-regulated protein	IL-10 regulated	B-ZIP family
NFKB1	Nuclear factor NF-kappa-B p105 subunit		p50 precursor
TAF6L	TAF6-like RNA polymerase II p300/CBP-associated factor		
<i>Common to LPS and LPS-IL-10</i>			
CA077	Uncharacterized protein C1orf77 homolog		
CC127	Coiled-coil domain-containing protein 127		
CEBPB	CCAAT/enhancer-binding protein beta	IL-10 regulated	B-ZIP family
DDX17	Probable ATP-dependent RNA helicase DDX17		helicase
DDX3X	ATP-dependent RNA helicase DDX3X		helicase
DDX5	Probable ATP-dependent RNA helicase DDX5		helicase
FOSL2	Fos-related antigen 2		B-ZIP family
FUBP1	Far upstream element-binding protein 1		
FUS	RNA-binding protein FUS		EWS family member
IRF8	Interferon regulatory factor 8		IRF family
JUN	Transcription factor AP-1		B-ZIP family
JUNB	Transcription factor jun-B		B-ZIP family
MBB1A	Myb-binding protein 1A		
MPEG1	Macrophage-expressed gene 1 protein precursor		
NONO	Non-POU domain-containing octamer-binding protein		
PURA	Transcriptional activator protein Pur-alpha		
PURB	Transcriptional activator protein Pur-beta		
SMU1	WD40 repeat-containing protein SMU1		
SPI1	Transcription factor PU.1		ETS family
TADBP	TAR DNA-binding protein 43		
TTC35	Tetratricopeptide repeat protein 35		
YBOX1	Nuclease-sensitive element-binding protein 1		
<i>LPS ALONE</i>			
ATF7	Cyclic AMP-dependent transcription factor ATF-7		
IFI4	Interferon-activable protein 204		
MO4L1	Mortality factor 4-like protein 1		
PLRG1	Pleiotropic regulator 1		
REQU	Zinc finger protein ubi-d4		
SNF5	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1		
TNAP2	Tumor necrosis factor, alpha-induced protein 2		