Table S3. Experimental literature supporting the network details in Figure 8.

Figure 8 Panel	Source	Target	Regulatory Type	Reference	Comment
A	TLR4	IRAK	Activation	[1,2]	
A	IRAK	P38	Activation	[3,4]	
A	P38	IL-10	Transcription	[5]	
A	IL-10	IL-12	inhibition	[6,7]	
A	IL-10	TNFα	inhibition	[8,9]	
A	IRAK	AP-1	Activation	[10]	
A	AP-1	IL-12	Transcription	[11,12]	
A	IL-12	TNFα	Transcription	[9,13]	
A	TNFα	TNFα	Positive auto-regulation involving an autocrine loop	[14]	
A	IL-12	IL-12	Positive auto-regulation involving an autocrine loop	[15]	IL-12 auto-regulates itself through Jak/Stat pathway with STAT4 being the major transcription factor.
A	TNFα	IL-12	inhibition	[16,17]	TNFα inhibits IL-12p40 through TNFα signaling pathway.
B	IRAK4	IKK	Activation	[2]	
B	IKK	NFκB	Activation	[2]	
B	NFκB	ATF3	Transcription	[18]	
B	ATF3	C/EBPδ	Inhibition	[19,20]	
B	NFκB	IL-6	Transcription	[20]	
B	IRAK1	IKKε	Activation	[21]	
B	IKKε	C/EBPδ	Activation	[21]	Low dose LPS induces the expression of C/EBPδ

					through IRAK1 and IKKε.
B	C/EBPδ	C/EBPδ	Transcription	[20]	C/EBPδ can bind onto its own promoter to enhance the transcription.
B	C/EBPδ	IL-6	Transcription	[20]	
C	IFNγ	STAT1	Transcription	[22]	Low dose IFNγ elevates STAT1 transcription, but not STAT1 phosphorylation.
C	IFNγ	P-STAT1	Activation	[22]	Phosphorylation of STAT1 is activated only under high dose IFNγ.
C	P-STAT1	SOCS1	Transcription	[22]	
C	SOCS1	P-STAT1	Inhibit	[22]	SOCS1 inhibits the phosphorylation and activation of STAT1.
C	P-STAT1	IRF-1, IP-10	Transcription	[22]	
C	P-STAT1	TNFα	Transcription	[23]	P-STAT1 may synergistically cooperate with NFκB to activate the transcription of TNFα.
C	TNFα	SOCS1	Transcription	[24]	TNFα might be able to negatively feedback on P-STAT1 through enhancing the production of SOCS1.

Table S3 References

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