

Description of Additional Supplementary Files

Supplementary Data 1: Percentage of monocyte subpopulations in WT, *Tram*^{-/-}, and *Irak-m*^{-/-} in PBS, Low-dose and High-dose

Supplementary Data 2: Effect of LPS dosage on H3K27ac peak signal, peaks lost/gained, and peak localization

Supplementary Data 3: Clustered normalized H3K27ac at enhancers with linked genes and corresponding gene ontology

Supplementary Data 4: Differentially expressed genes between WT experimental conditions

Supplementary Data 5: Clustered RNA-seq counts of genes differentially expressed in WT and corresponding gene ontology

Supplementary Data 6: Clustered WT and TRAM^{-/-} RNA-seq counts of genes differentially expressed in WT and corresponding gene ontology

Supplementary Data 7: Effect of IRF7 and IRF3 respectively on expression of S100A8 in WT and *Tram*^{-/-}