

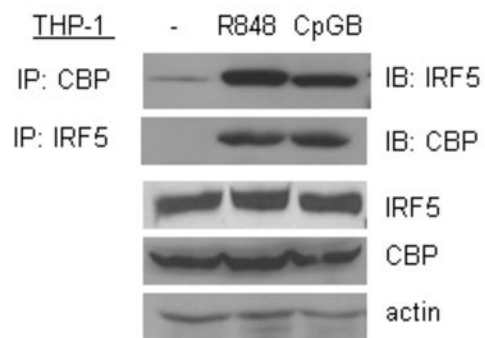
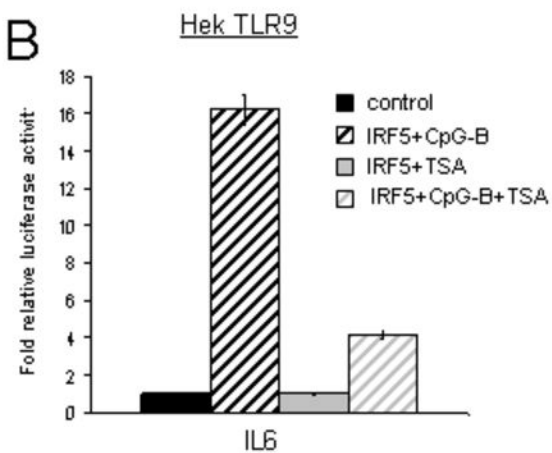
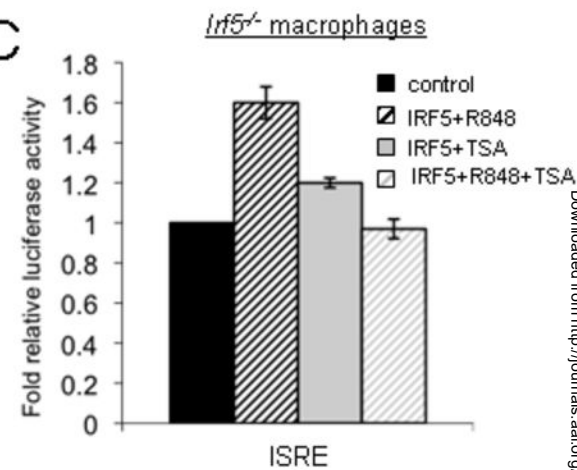
## Figure Legends for Supplemental Data

Figure 1. *A*, IRF5 co-immunoprecipitates with CBP in response to TLR7 and 9 signaling. THP-1 cells were stimulated with R848 (TLR7) or CpG-B (TLR9), as described in the Materials and Methods, for 1 h and cell lysates were immunoprecipitated with the indicated antibodies. Levels of endogenous proteins are shown. Results are representative of three independent experiments. *B*, Hek293 cells that stably overexpress TLR9 were transiently transfected with Flag-IRF5 and the *IL6* luciferase promoter reporter. Cells were stimulated with CpG-B, TSA, or the combination of both as described in the Materials and Methods. Fold relative activity is shown compared to untreated controls after normalization to protein and thymidine *Renilla*-luciferase activity. Results are representative of at least three independent experiments run in triplicate. *C*, Same as in *B* except immortalized macrophages from *irf5*<sup>-/-</sup> mice were transfected with human Flag-IRF5 and the *ISRE* luciferase promoter reporter and stimulated with R848 and TSA. *D*, Same as in *C* except transfected cells were stimulated with CpG-B and TSA.

Figure 2. IRF5 and CBP bind to the endogenous *IL6* and *TNFA* promoters in human primary monocytes infected with NDV for 6 h. Cell lysates were immunoprecipitated with anti-IRF5 or anti-CBP Abs and bound DNA amplified with primers recognizing endogenous ISRE sites in the *IL6* and *TNFA* promoters as described in the Materials and Methods. Results shown are representative of three independent experiments.

Figure 3. Endogenous ChIP assays were performed on THP-1 cells treated with NDV, TSA or the combination, as indicated, with antibodies against IRF5, HDAC1, and CBP. Amounts of *IL6*, *TNFA*, and actin promoter sequences recovered in immunoprecipitations relative to input levels

were quantified by PCR in combination with densitometric analysis of bands and reported as fold induction relative to untreated cells.

**A****B****C****D**