SUPPLEMENTAL FIGURES

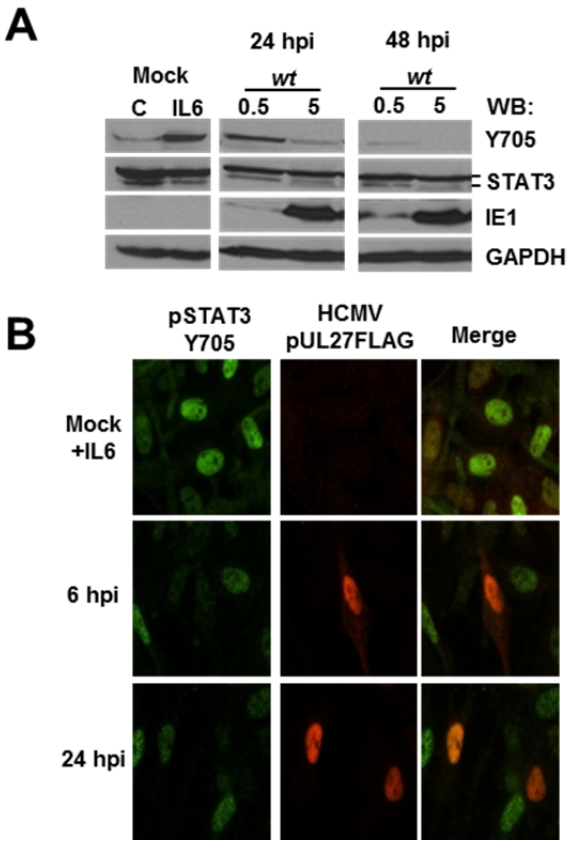

Figure S1. Change in STAT3 phosphorylation is MOI-dependent.

(A) U373 cells were infected at either 0.5 IU/cell or 5 IU/cell with AD*wt* for 24 and 48 h. Mock-infected cells were treated with or without IL-6 for 15 min. Western blot analysis was completed using the indicated antibodies. The STAT3α and β isoforms are indicated. (B) U373 cells were infected at 0.5 IU/cell using ADwt virus and processed for immunofluorescence analysis using anti-pSTAT3 (Y705) (green) and anti-FLAG (red) antibodies.

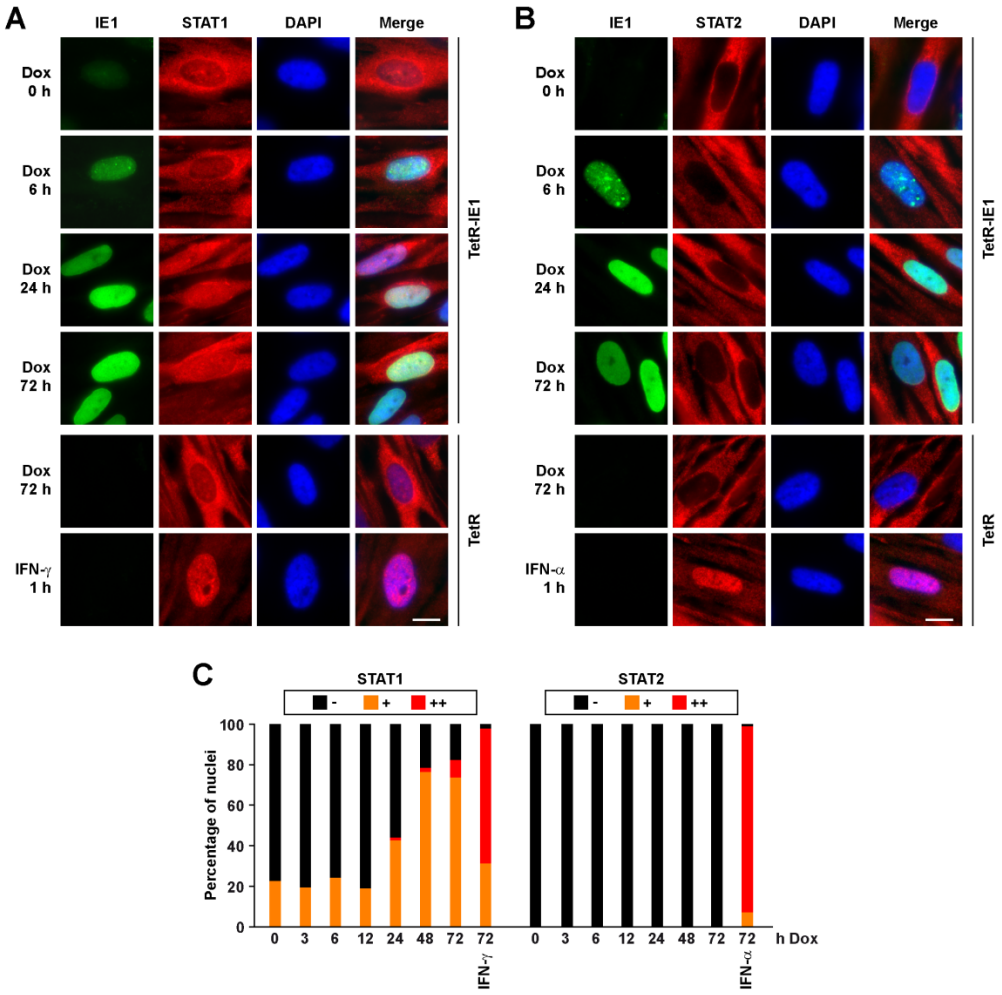

Figure S2. Subcellular localization of STAT1 and STAT2 in IE1-expressing cells.

(A) TetR-IE1 and TetR cells were treated with doxycycline (Dox) or interferon gamma (IFN-γ) for the indicated times. Samples were fixed with methanol and processed for immunofluorescence analysis using anti-IE1 (green) and anti-STAT1 (red) antibodies, and the DNA stain DAPI (blue). Scale bar, 10 µm. (B) TetR-IE1 and TetR cells were treated with doxycycline (Dox) or interferon alpha (IFN-α) for the indicated times. Samples were fixed with methanol and processed for immunofluorescence analysis using anti-IE1 (green) and anti-STAT2 (red) antibodies, and the DNA stain DAPI (blue). Scale bar, 10 µm. (C) The percentage of positive cell nuclei was determined from 100 randomly selected cells per sample (STAT1/2 −, STAT1/2 staining mostly cytoplasmic; STAT1/2 +, STAT1/2 staining cytoplasmic and nuclear; STAT1/2 ++, STAT1/2 staining mostly nuclear).

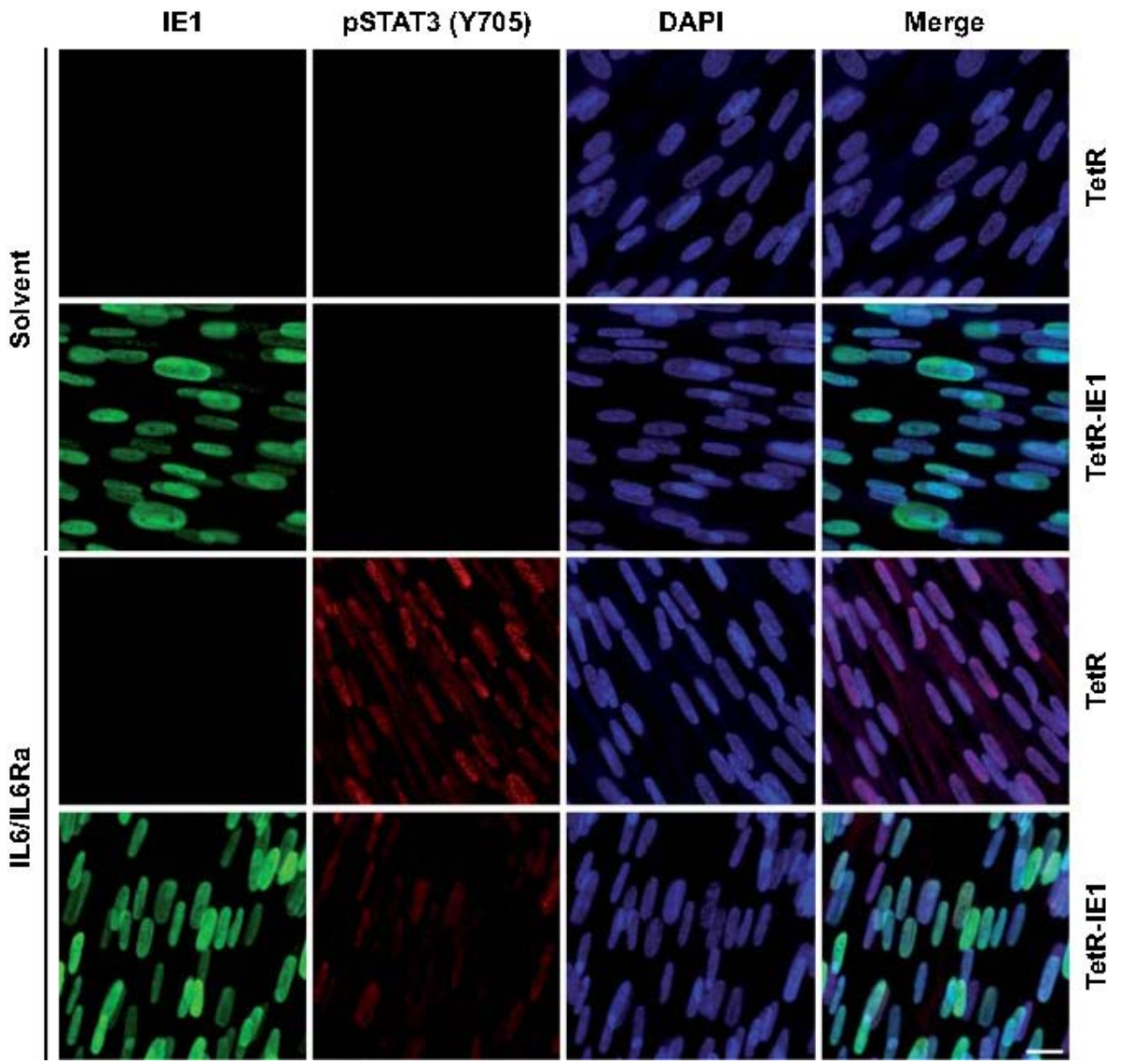

Figure S3. IE1 is sufficient to disrupt tyrosine phosphorylation of nuclear STAT3.

TetR and TetR-IE1 cells were treated with Dox for 72 h and with IL6 and IL6Rα or solvent for 15 min. Samples were fixed, incubated with antibodies against IE1 (green) and pSTAT3 at Y705 (red), and counterstained for DNA using DAPI (blue). Scale bar, 20 μm.