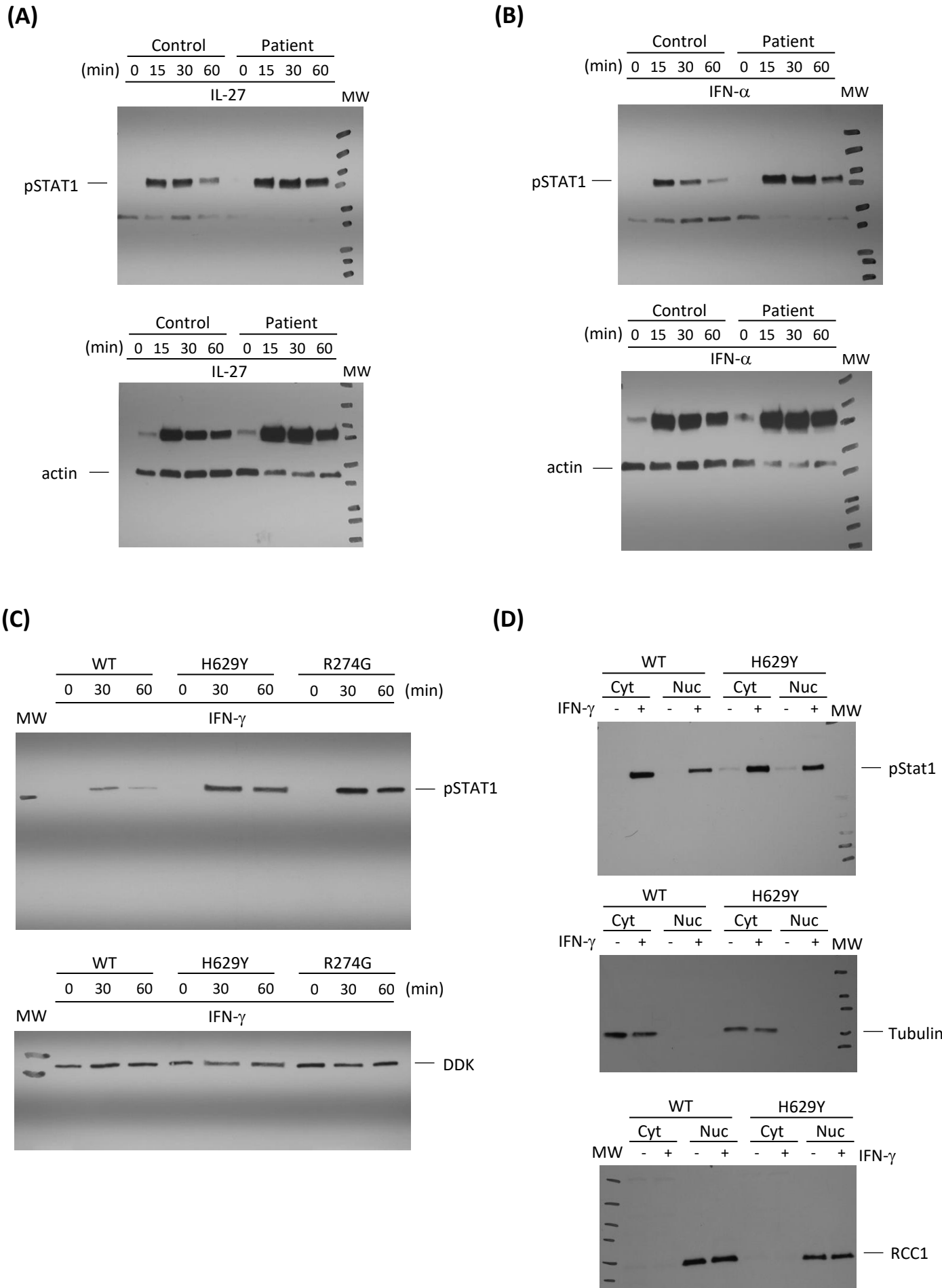


SUPPLEMENTARY FIGURE 1



SUPPLEMENTARY FIGURE LEGENDS

Figure S1. Original western blots used to compile Figure 2B-E. Western blots demonstrating STAT1 phosphorylation (anti-pTyr701) following stimulation with **(A)** IL-27 (10 $\mu\text{g}/\mu\text{L}$; upper panel) and **(B)** IFN- α (8.5 $\text{ng}/\mu\text{L}$; upper panel) in patient and control T cell lysates. Anti-Actin was used as a loading control (lower panels). **(C)** STAT1 phosphorylation in STAT1 wild-type (WT), H629Y and R274G transfected U3A cells, following stimulation with IFN- γ (100 ng/mL). **(D)** Increase in phosphorylated STAT1 in the nuclear fraction of transfected U3A cells following IFN- γ stimulation. Anti-tubulin was used as the cytoplasmic marker and anti-RCC1 as the nuclear marker. Cyt, cytoplasmic; Nuc, Nuclear.