



Figure S4: IFN- α inhibits COX-2 expression through non-canonical JAK-STAT signaling. **(A)** T24 cells were treated with IFN- α (1×10^4 U/mL) for 2 hours and the expression levels of pJAK1, JAK1, pTyk2, Tyk2, pSTAT1, STAT1, pSTAT3, and STAT3 were estimated at specific time points. **(B)** T24 cells were treated by IFN α (1×10^4 U/ml) and/or JAK kinase inhibitor for 24 hours. The expression of COX-2 was analyzed by western blotting. The β -Tubulin was detected as loading control.