

ORIGINAL RESEARCH ARTICLE

Overcoming cisplatin resistance in ovarian cancer by targeting IFIT1-mediated inflammation responses

Supplementary Files

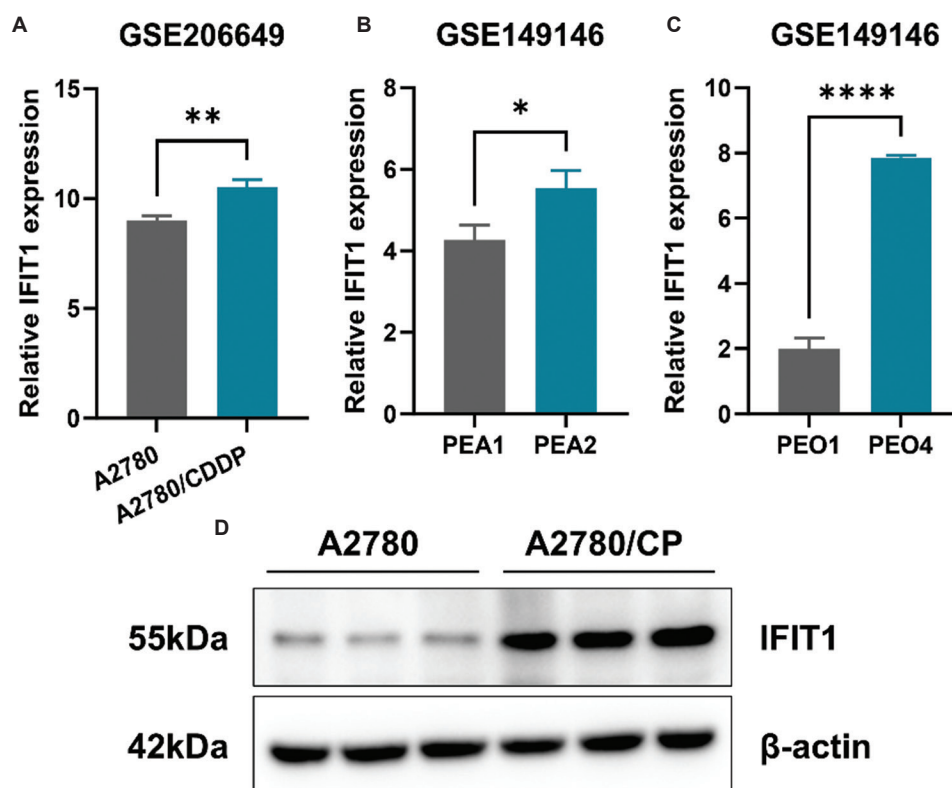


Figure S1. Interferon-induced protein with tetratricopeptide repeats 1 (IFIT1) is significantly upregulated in cisplatin-resistant ovarian cancer cell lines. (A) Relative expression of IFIT1 in A2780 and A2780/CDDP cell lines from the GSE206649 dataset ($n = 3$, $**p < 0.01$ vs. A2780). (B) Relative expression of IFIT1 in PEA1 and PEA2 cell lines from the GSE149146 dataset ($n = 3$, $*p < 0.05$ vs. PEA1). (C) Relative expression of IFIT1 in PEO1 and PEO4 cell lines from the GSE149146 dataset ($n = 3$, $****p < 0.0001$ vs. PEO4). (D) Western blot analysis showed higher IFIT1 protein expression in the resistant cells (A2780) than in the parental sensitive cells (A2780/CP).

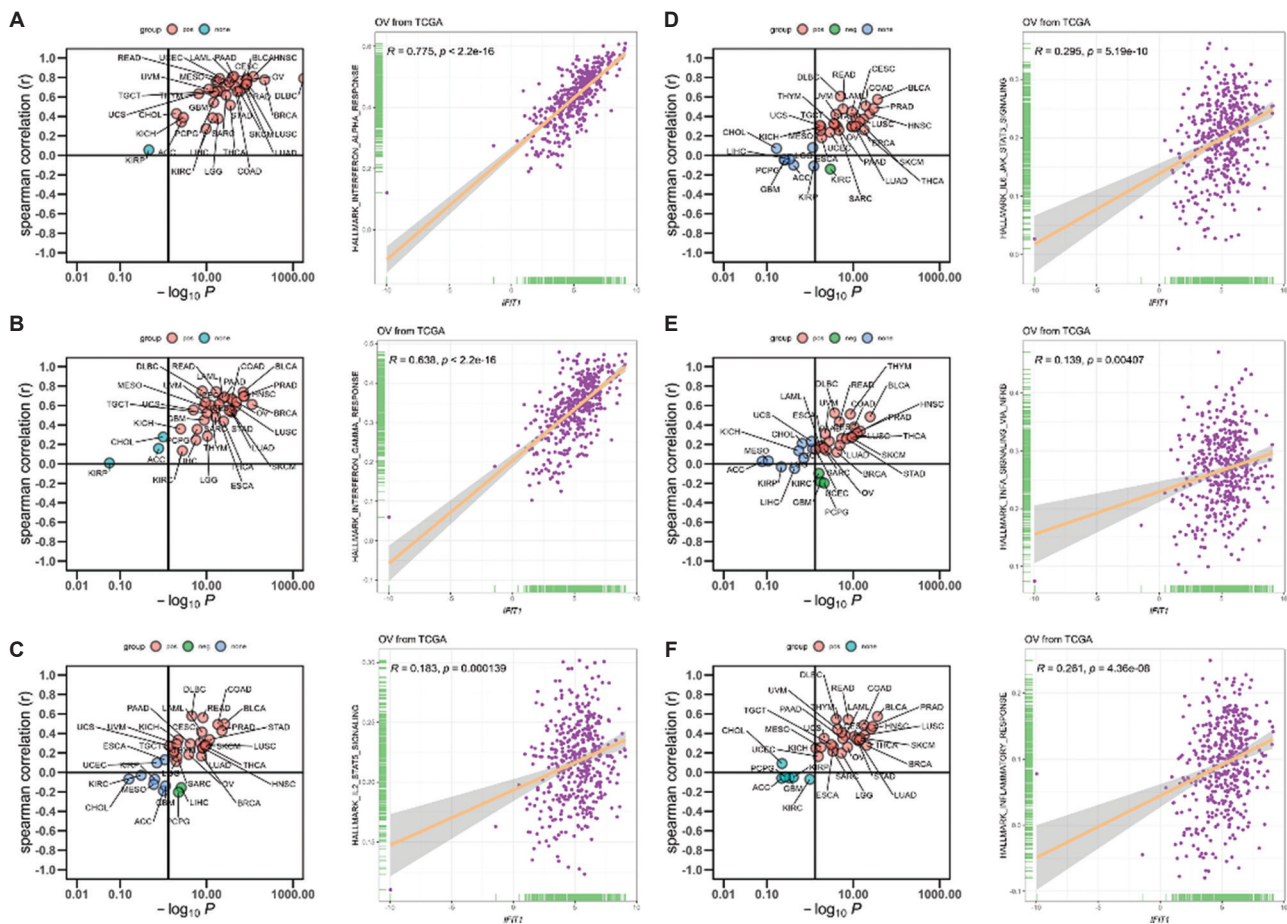


Figure S2. Correlation between Interferon-induced protein with tetratricopeptide repeats 1 (*IFIT1*) expression and inflammatory signaling pathways across pan-cancer and ovarian cancer datasets. (A) Correlation analysis between *IFIT1* expression and the interferon alpha response pathway across pan-cancer types, and specifically within ovarian cancer. (B) Correlation analysis between *IFIT1* expression and the interferon gamma response pathway across pan-cancer types and specifically within ovarian cancer. (C) Correlation analysis between *IFIT1* expression and the IL2-STAT5 signaling pathway across pan-cancer types and specifically within ovarian cancer. (D) Correlation analysis between *IFIT1* expression and the IL6-JAK-STAT3 signaling pathway across pan-cancer types and specifically within ovarian cancer. (E) Correlation analysis between *IFIT1* expression and the TNFA signaling VIA NF-κB pathway across pan-cancer types and specifically within ovarian cancer. (F) Correlation analysis between *IFIT1* expression and the inflammatory response pathway across pan-cancer types and specifically within ovarian cancer.

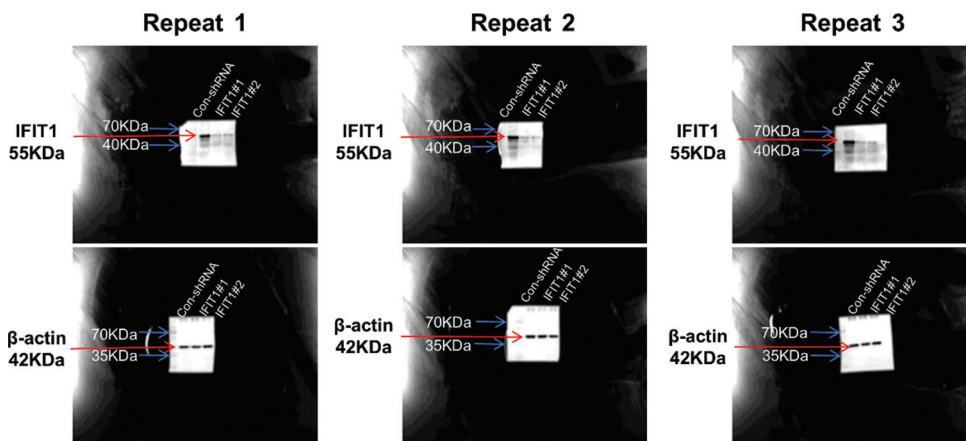


Figure S3. Original images for Western blotting for Interferon-induced protein with tetratricopeptide repeats 1 and β-actin in Figure 2B