



Supplementary Figure 1.

Demethylation treatment in cGAS deficient ovarian cancer cell lines. **A**, Immunoblot analysis of STING signal activation in hTERT control cells and ovarian cancer cells deficient in cGAS (OVCAR3 and SK-OV-3) mock or treated with 10 μ M 5-aza-2'-deoxycytidine (5AZADC) for 4 days, followed by dsDNA90 transfection at 3 μ g/ml for the indicated time periods. **B**, Immunofluorescence microscopy analysis of IRF3 translocation in ovarian cancer cells treated with 5AZADC (same as above) followed by dsDNA90 transfection at 3 μ g/ml for 3 hours. **C**, Ovarian cancer cells mock treated or treated with 10 μ M 5AZADC for 4 days, followed by dsDNA90 transfection at 3 μ g/ml for 6 hours. human IFN- β expression was analyzed by qPCR. **D**, qPCR analysis of human IFIT1 expression in ovarian cancer cells (same as in C). Error bars indicate SD. * $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$; Student's t test.