**S3. Supporting Materials and Methods**

Cells

LKR-10 is a lung adenocarcinoma cell line derived from K-rasLA1 mouse cells [33,34] (kindly provided by Guido Bommer). Human epithelial HeLa cells were from ATCC (ref CCL-2).

Cells were grown in Dulbecco Modified Eagle medium (DMEM, Lonza) containing ultraglutamine and 4.5 gr/L of glucose, and supplemented with 10% of fetal calf serum (Sigma) and 50 units/ml of penicillin/streptomycin (Lonza). Cells were seeded in 24-well plates and were treated with IFN the following day.

Interferons

MuIFN-αA was produced by transient transfection of 293T cells with pcDNA3-IFNαA. Biological activity of the cytokine was determined by cytopathic effect reduction assay. Cells were treated with 100 U/well muIFN-αA or huIFNα (RoferonA, Roche), or with 50 ng/well recombinant muIFN-λ (kindly provided by R. Hartmann, Aarhus university, Denmark) or recombinant huIFN-λ (kindly provided by J.C. Renauld and L. Dumoutier, Univ. of Louvain, Belgium) in a total volume of 500 μl for 24 hours before RNA extraction. This experiment was performed in quadruplicate.

Quantitative RT-PCR

RNA was isolated from cells, reverse-transcribed and subjected to quantitative RT-PCR (RT-qPCR), using SybrGreen and the MyIQTM apparatus (Biorad). Primer sequences for OASl2 and MxA are described in main text.