

1 **Supplementary Information**

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3 ***Quantification of IFN-stimulated gene-expression levels***

4 Fluorescence real-time PCR analysis was performed using an ABI 7500 instrument (Applied
 5 Biosystems, Foster City, CA) and TaqMan Fast Advanced gene expression assay (Applied
 6 Biosystems). Thermal cycling conditions were as follows: a precycling period of 20 seconds at
 7 95°C, followed by 45 cycles of denaturation at 95°C for 3 seconds and annealing/extension at
 8 60°C for 30 seconds. TaqMan Gene Expression Assay primer and probe sets (Applied
 9 Biosystems) are listed in Table 1.

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11 **Table 1: Primers Used in Study**

GAPDH	Hs02758991_g1
MX1	Hs00895608_m1
OAS1	Hs00973637_m1
PKR (EIF2AK2)	Hs00169345_m1
TLR3	Hs01551078_m1
RIG-I (DDX58)	Hs00204833_m1
IL28A	Hs00820125_g1
IL28B	Hs04193049_gH
IL29	Hs00601677_g1

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13 For standard gene expression experiments, we selected the best coverage set of predesigned
 14 real-time PCR assays available for TaqMan® Gene Expression Assays provided from Applied
 15 Biosystems except for IL28B primer and probe sets, because TaqMan Gene Expression Assay
 16 primer and probe sets of IL28B transcript can be cross-reactive to IL28A transcript.

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