

Supplementary Table 4. qRT-PCR analysis of expression of interferons in transfected or transwell PHHs (donor 2).

Condition	Treatment	Sample type	B-Actin, average	B-Actin, stdev	IFNL4 region	IFNL3	IFNG	IFNL1	IFNA1	IFNA2	IFNB1
IFNL4.1		Transfected PHHs	29.65	0.68	25.83	ND	ND	ND	ND	ND	ND
IFNL4.2		Transfected PHHs	28.99	0.56	25.41	ND	ND	ND	ND	ND	ND
IFNL4.1	Ab	Transfected PHHs	28.57	0.33	24.32	ND	ND	ND	ND	ND	ND
IFNL4.2	Ab	Transfected PHHs	28.90	0.71	24.88	ND	ND	ND	ND	ND	ND
Halo.1		Transfected PHHs	26.36	0.55	ND	ND	ND	ND	ND	ND	ND
Halo.2		Transfected PHHs	27.59	0.53	ND	ND	ND	ND	ND	ND	ND
Halo.1	Ab	Transfected PHHs	29.31	0.55	ND	ND	ND	ND	ND	ND	ND
Halo.2	Ab	Transfected PHHs	28.38	0.24	ND	ND	ND	ND	ND	ND	ND
IFNL3.1		Transfected PHHs	27.45	0.31	ND	24.45	ND	ND	ND	ND	ND
IFNL3.2		Transfected PHHs	27.36	0.27	ND	24.28	ND	ND	ND	ND	ND
IFNL3.1	Ab	Transfected PHHs	28.18	0.36	ND	25.81	ND	ND	ND	ND	ND
IFNL3.2	Ab	Transfected PHHs	28.12	0.22	ND	25.88	ND	ND	ND	ND	ND
IFNL4 IgG.1		Transfected PHHs	29.95	0.10	25.48	ND	ND	ND	ND	ND	ND
IFNL4 IgG.2		Transfected PHHs	29.62	0.21	25.49	ND	ND	ND	ND	ND	ND
Untreated.1			26.33	0.40	ND	ND	ND	ND	ND	ND	ND
Untreated.2			27.56	0.12	ND	ND	ND	ND	ND	ND	ND
IFNL4.1		Transwell PHHs	30.01	0.29	ND	ND	ND	ND	ND	ND	ND
IFNL4.2		Transwell PHHs	29.90	0.13	ND	ND	ND	ND	ND	ND	ND
IFNL4.1	Ab	Transwell PHHs	28.92	0.17	ND	ND	ND	ND	ND	ND	ND
IFNL4.2	Ab	Transwell PHHs	31.07	0.29	ND	ND	ND	ND	ND	ND	ND
Halo.1		Transwell PHHs	29.35	0.04	ND	ND	ND	ND	ND	ND	ND
Halo.2		Transwell PHHs	29.99	0.20	ND	ND	ND	ND	ND	ND	ND
Halo.1	Ab	Transwell PHHs	29.69	0.47	ND	ND	ND	ND	ND	ND	ND
Halo.2	Ab	Transwell PHHs	29.01	0.14	ND	ND	ND	ND	ND	ND	ND
IFNL3.1		Transwell PHHs	29.60	0.29	ND	ND	ND	ND	ND	ND	ND
IFNL3.2		Transwell PHHs	29.25	0.16	ND	ND	ND	ND	ND	ND	ND
IFNL3.1	Ab	Transwell PHHs	28.55	0.20	ND	ND	ND	ND	ND	ND	ND
IFNL3.2	Ab	Transwell PHHs	29.25	0.21	ND	ND	ND	ND	ND	ND	ND
IFNL4 IgG		Transwell PHHs	30.36	0.24	ND	ND	ND	ND	ND	ND	ND
IFNL4 IgG		Transwell PHHs	29.41	0.22	ND	ND	ND	ND	ND	ND	ND
Untreated		Transwell PHHs	30.43	0.21	ND	ND	ND	ND	ND	ND	ND
Untreated		Transwell PHHs	30.76	0.21	ND	ND	ND	ND	ND	ND	ND
DNA			ND		ND	27.49	ND	ND	ND	ND	ND
water			ND		ND	ND	ND	ND	ND	ND	ND

PHHs from donor 2 were used for qRT-PCR analysis of expression. All samples are represented by biological duplicates.

All assays were performed in triplicates on DNase I - treated RNA to eliminate residual DNA, using in average 1 ng (0.2-3 ng) of total RNA per each reaction.

Numerical values represent Ct values of detection (PCR cycle at threshold), with a total run of 45 PCR cycles, Ct values are distributed on log2 scale

ND - expression is negative, with Ct>37

B-Actin - endogenous control, measured with a commercial TaqMan assay

IFNL4 region - assay measures 2 splicing forms of IFNL4, signal should be detectable both with TT and dG allele. Here, this assay detects only transfected plasmid (positive control).

IFNL3 - assay detects signal both cDNA and DNA. Here, this assay detects only transfected plasmid (positive control).

IFNL1 - measured with a commercial TaqMan assay

IFNA1, IFNA2 and IFNB1 - measured by a qRT-PCR arrays

Additional qRT-PCR expression results from PHH2 are presented in Supplementary Table 3 and protein expression results on Figure 5.