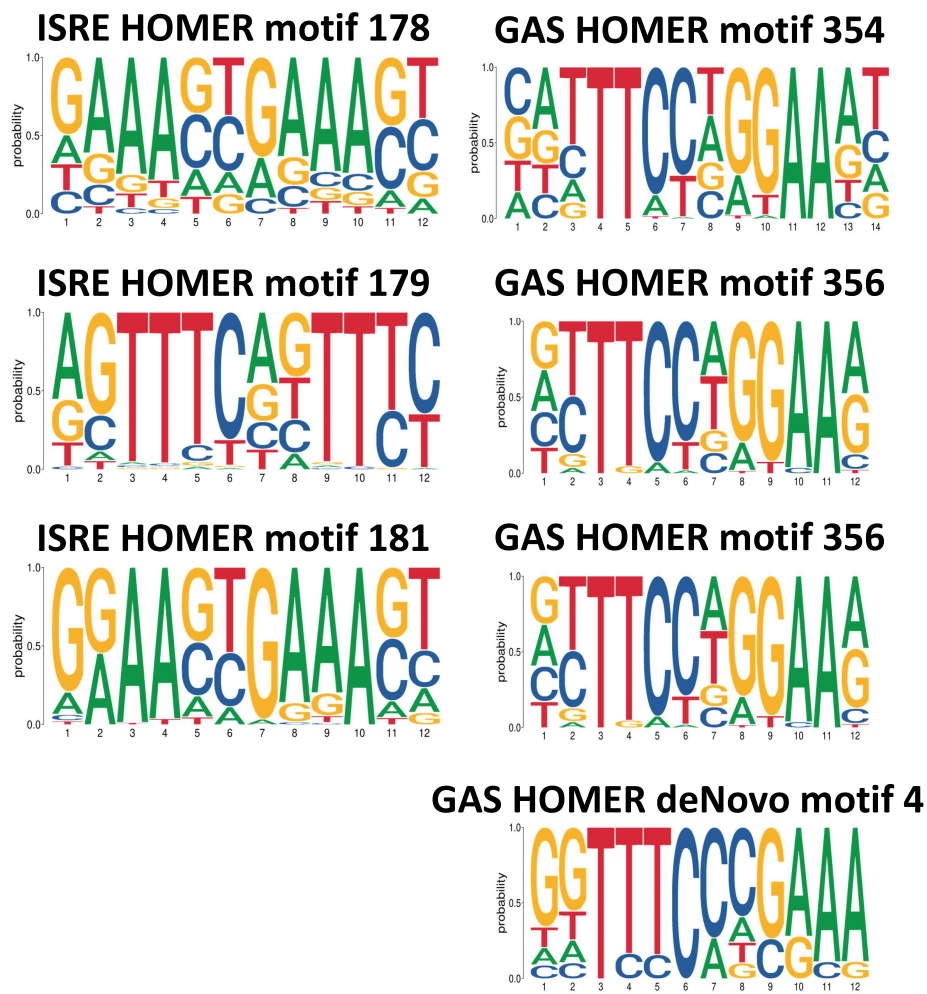


SUPPLEMENTARY FIGURE S2



SUPPLEMENTARY FIGURE S3

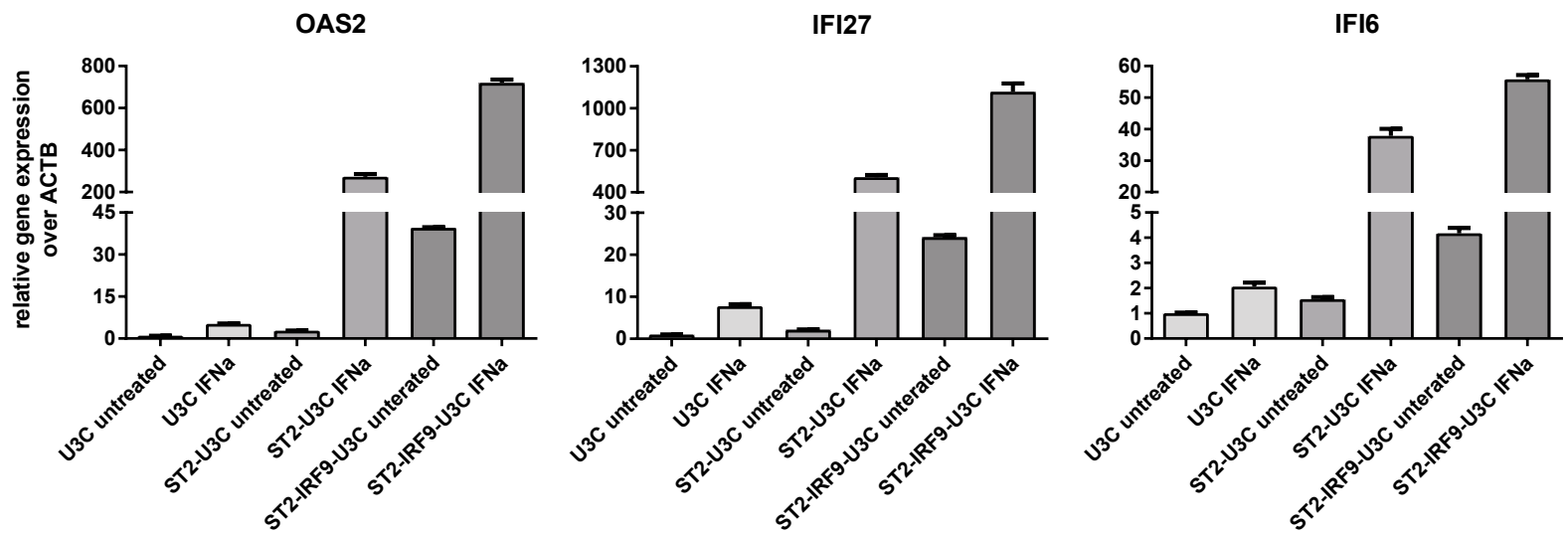


Table S1. Binding profiles statistical analysis.

2fTGH

group1	group2	p	p.adj	p.format	p.signif
UN_STAT1	2h_STAT1	3,77E-07	2,30E-06	3,80E-07	****
UN_STAT1	24h_STAT1	1,10E-04	3,30E-04	0,00011	***
UN_STAT1	72h_STAT1	1,02E-03	2,00E-03	0,00102	**
2h_STAT1	24h_STAT1	5,48E-06	2,20E-05	5,50E-06	****
2h_STAT1	72h_STAT1	1,52E-06	7,60E-06	1,50E-06	****
24h_STAT1	72h_STAT1	6,56E-02	6,60E-02	0,06563	ns
UN_STAT2	2h_STAT2	8,82E-06	5,30E-05	8,80E-06	****
UN_STAT2	24h_STAT2	5,66E-04	1,10E-03	0,00057	***
UN_STAT2	72h_STAT2	1,16E-05	5,80E-05	1,20E-05	****
2h_STAT2	24h_STAT2	1,71E-05	6,80E-05	1,70E-05	****
2h_STAT2	72h_STAT2	5,16E-05	1,50E-04	5,20E-05	****
24h_STAT2	72h_STAT2	7,82E-03	7,80E-03	0,00782	**
UN_IRF9	2h_IRF9	1,29E-04	5,20E-04	0,00013	***
UN_IRF9	24h_IRF9	6,00E-06	3,00E-05	6,00E-06	****
UN_IRF9	72h_IRF9	6,42E-08	3,90E-07	6,40E-08	****
2h_IRF9	24h_IRF9	1,04E-03	3,10E-03	0,00104	**
2h_IRF9	72h_IRF9	1,67E-03	3,30E-03	0,00167	**
24h_IRF9	72h_IRF9	3,63E-01	3,60E-01	0,36336	ns
UN_pSTAT1	2h_pSTAT1	4,16E-06	1,70E-05	4,20E-06	****
UN_pSTAT1	24h_pSTAT1	1,58E-06	7,90E-06	1,60E-06	****
UN_pSTAT1	72h_pSTAT1	1,21E-06	7,30E-06	1,20E-06	****
2h_pSTAT1	24h_pSTAT1	2,25E-02	6,70E-02	0,022	*
2h_pSTAT1	72h_pSTAT1	3,21E-02	6,70E-02	0,032	*
24h_pSTAT1	72h_pSTAT1	8,34E-01	8,30E-01	0,834	ns
UN_pSTAT2	2h_pSTAT2	1,83E-05	7,30E-05	1,80E-05	****
UN_pSTAT2	24h_pSTAT2	3,21E-06	1,60E-05	3,20E-06	****
UN_pSTAT2	72h_pSTAT2	2,10E-06	1,30E-05	2,10E-06	****
2h_pSTAT2	24h_pSTAT2	1,87E-02	5,60E-02	0,019	*
2h_pSTAT2	72h_pSTAT2	2,16E-01	2,50E-01	0,216	ns
24h_pSTAT2	72h_pSTAT2	1,25E-01	2,50E-01	0,125	ns

Huh7.5

group1	group2	p	p.adj	p.format	p.signif
UN_STAT1	2h_STAT1	1,55E-07	6,20E-07	1,50E-07	****
UN_STAT1	24h_STAT1	2,35E-08	1,20E-07	2,40E-08	****
UN_STAT1	72h_STAT1	8,51E-09	5,10E-08	8,50E-09	****
2h_STAT1	24h_STAT1	1,39E-03	2,80E-03	0,00139	**
2h_STAT1	72h_STAT1	1,07E-04	3,20E-04	0,00011	***
24h_STAT1	72h_STAT1	1,22E-01	1,20E-01	0,12201	ns
UN_STAT2	2h_STAT2	4,00E-10	2,40E-09	4,00E-10	****
UN_STAT2	24h_STAT2	1,07E-08	5,30E-08	1,10E-08	****
UN_STAT2	72h_STAT2	1,87E-08	7,50E-08	1,90E-08	****
2h_STAT2	24h_STAT2	3,63E-03	1,10E-02	0,0036	**
2h_STAT2	72h_STAT2	3,66E-02	7,30E-02	0,0366	*
24h_STAT2	72h_STAT2	3,81E-01	3,80E-01	0,3812	ns
UN_IRF9	2h_IRF9	7,00E-09	4,20E-08	7,00E-09	****
UN_IRF9	24h_IRF9	2,01E-08	1,00E-07	2,00E-08	****
UN_IRF9	72h_IRF9	2,17E-08	1,00E-07	2,20E-08	****
2h_IRF9	24h_IRF9	4,95E-01	4,90E-01	0,495	ns
2h_IRF9	72h_IRF9	5,46E-02	1,60E-01	0,055	ns
24h_IRF9	72h_IRF9	2,07E-01	4,10E-01	0,207	ns
UN_pSTAT1	2h_pSTAT1	1,00E-08	6,00E-08	1,00E-08	****
UN_pSTAT1	24h_pSTAT1	1,20E-08	6,00E-08	1,20E-08	****
UN_pSTAT1	72h_pSTAT1	1,51E-08	6,00E-08	1,50E-08	****
2h_pSTAT1	24h_pSTAT1	1,42E-04	4,30E-04	0,00014	***
2h_pSTAT1	72h_pSTAT1	6,61E-04	1,30E-03	0,00066	***
24h_pSTAT1	72h_pSTAT1	4,77E-01	4,80E-01	0,47719	ns
UN_pSTAT2	2h_pSTAT2	5,08E-10	3,00E-09	5,10E-10	****
UN_pSTAT2	24h_pSTAT2	1,83E-08	9,20E-08	1,80E-08	****
UN_pSTAT2	72h_pSTAT2	2,72E-08	1,10E-07	2,70E-08	****
2h_pSTAT2	24h_pSTAT2	3,77E-04	1,10E-03	0,00038	***
2h_pSTAT2	72h_pSTAT2	2,37E-02	4,70E-02	0,02369	*
24h_pSTAT2	72h_pSTAT2	6,96E-02	7,00E-02	0,0696	ns

ST2-U3C

group1	group2	p	p.adj	p.format	p.signif
UN_STAT2	2h_STAT2	1,45E-08	7,30E-08	1,50E-08	****
UN_STAT2	24h_STAT2	1,27E-01	2,50E-01	0,13	ns
UN_STAT2	72h_STAT2	4,20E-09	2,50E-08	4,20E-09	****
2h_STAT2	24h_STAT2	1,52E-07	4,60E-07	1,50E-07	****
2h_STAT2	72h_STAT2	3,61E-01	3,60E-01	0,36	ns
24h_STAT2	72h_STAT2	1,02E-07	4,10E-07	1,00E-07	****
UN_IRF9	2h_IRF9	6,80E-05	2,70E-04	6,80E-05	****
UN_IRF9	24h_IRF9	2,95E-05	1,50E-04	3,00E-05	****
UN_IRF9	72h_IRF9	6,70E-10	4,00E-09	6,70E-10	****
2h_IRF9	24h_IRF9	8,74E-01	8,70E-01	0,8738	ns
2h_IRF9	72h_IRF9	3,63E-03	1,10E-02	0,0036	**
24h_IRF9	72h_IRF9	5,47E-03	1,10E-02	0,0055	**
UN_pSTAT2	2h_pSTAT2	1,80E-09	1,10E-08	1,80E-09	****
UN_pSTAT2	24h_pSTAT2	7,30E-09	2,90E-08	7,30E-09	****
UN_pSTAT2	72h_pSTAT2	1,78E-09	1,10E-08	1,80E-09	****
2h_pSTAT2	24h_pSTAT2	6,54E-01	1,00E+00	0,65	ns
2h_pSTAT2	72h_pSTAT2	3,21E-01	9,60E-01	0,32	ns
24h_pSTAT2	72h_pSTAT2	5,99E-01	1,00E+00	0,6	ns

Huh STAT1KO

group1	group2	p	p.adj	p.format	p.signif
UN_STAT2	2h_STAT2	1,84E-03	3,70E-03	0,0018	**
UN_STAT2	24h_STAT2	3,21E-08	1,30E-07	3,20E-08	****
UN_STAT2	72h_STAT2	3,96E-11	2,40E-10	4,00E-11	****
2h_STAT2	24h_STAT2	6,27E-07	1,90E-06	6,30E-07	****
2h_STAT2	72h_STAT2	4,00E-09	2,00E-08	4,00E-09	****
24h_STAT2	72h_STAT2	4,95E-01	5,00E-01	0,495	ns
UN_IRF9	2h_IRF9	1,12E-03	2,20E-03	0,0011	**
UN_IRF9	24h_IRF9	1,36E-08	5,40E-08	1,40E-08	****
UN_IRF9	72h_IRF9	1,80E-11	1,10E-10	1,80E-11	****
2h_IRF9	24h_IRF9	5,17E-08	1,60E-07	5,20E-08	****
2h_IRF9	72h_IRF9	7,92E-11	4,00E-10	7,90E-11	****
24h_IRF9	72h_IRF9	5,10E-01	5,10E-01	0,5104	ns
UN_pSTAT2	2h_pSTAT2	1,88E-03	3,80E-03	0,0019	**
UN_pSTAT2	24h_pSTAT2	2,98E-08	1,20E-07	3,00E-08	****
UN_pSTAT2	72h_pSTAT2	2,88E-11	1,70E-10	2,90E-11	****
2h_pSTAT2	24h_pSTAT2	7,71E-07	2,30E-06	7,70E-07	****
2h_pSTAT2	72h_pSTAT2	1,26E-08	6,30E-08	1,30E-08	****
24h_pSTAT2	72h_pSTAT2	1,83E-01	1,80E-01	0,1831	ns

Table S2. Genes commonly upregulated in 2fTGH vs Huh7.5 (WTs, $\log_2FC \geq 1$) and ST1-ST2-IRF9-U3C ($\log_2FC \geq 0,5$).

Gene name	Log ₂ FC	padj
APOL1	1,179548695	0,004684412
APOL6	1,004077196	0,038984999
BST2	6,135203905	1,35927E-50
C1R	1,408098465	0,031410471
CASP1	1,910053199	0,015147452
DDX60	1,821430803	0,000316359
DENND2D	2,789095461	0,048039125
DTX3L	1,352686939	0,000116872
EIF2AK2	1,52332203	3,34411E-07
ERAP1	0,965079469	0,000499671
ERAP2	1,130778979	0,003692999
HELZ2	0,96070728	0,014920517
HERC6	1,618186178	0,000600321
HLA-B	1,178511842	0,001660318
HLA-C	1,456434161	1,75465E-07
IFI27	4,788538368	0,000413159
IFI6	4,034905117	3,7793E-25
IFIT1	3,212109227	1,06397E-13
IFIT2	2,829436266	5,97437E-05
IFIT3	1,906823009	4,21176E-05
IFITM1	2,733004839	5,38304E-20
IFITM3	0,752739796	0,007072815
IRF9	7,842346026	1,87668E-80
ISG15	1,562830472	2,90124E-05
NRP2	0,870136135	0,002302707
OAS1	1,471623318	0,002759109
OAS2	4,639318222	1,20916E-26
OAS3	0,941039617	0,028400103
PARP10	1,009511582	0,001614949
PARP14	1,66043833	3,31686E-08
PARP9	1,619836156	4,81902E-05
PDGFRL	2,314318252	0,013940482
RTP4	3,339158993	0,001009013
SAMHD1	1,284115233	0,009206662
STAT1	3,374870457	2,50965E-06
STAT2	5,052303916	1,9208E-92
THEMIS2	1,173305564	0,035610056
TRANK1	2,347593899	1,32527E-06
UBA7	1,029286496	0,013001475
UBE2L6	1,165570135	0,00053531
USP18	3,111223801	4,5583E-06
XAF1	3,694263817	1,24333E-05
ZBTB42	1,070772287	0,031039847

Table S3. qPCR primers.

Gene name	Primer sequence	
	Forward	Reverse
<i>GAPDH</i>	CAATATGATTCCACCCATGGCAA	GATCTCGCTCCTGGAAGATGG
<i>IFI27</i>	GTCAGTGGGAGCAACTGGAC	GGGCAGGGAGCTAGTAGAAC
<i>IFI6</i>	ATCCTGAATGGGGGCGG	AGATACTTGTGGGTGGCGTAG
<i>OAS2</i>	CAATCAGCGAGGCCAGTAAT	TCCAGGTTGGGAGAAGTCAA
<i>IFIT1</i>	CTTGCAGGAAACACCCACTT	CCTCTAGGCTGCCCTTTTGT

Table S4. ChIP-PCR primers.

Gene name	Primer sequence	
	Forward	Reverse
<i>NANOG</i>	TGGTAGACGGGATTAAGTGAAG	GAAGGCTCTATCACCTTAGA
<i>OAS2</i>	CGCTGCAGTGGGTGGAGAGA	GCCGGCAAGACAGTGAATGG
<i>IFI27</i>	CTTCTGGACTGCGCATGAGG	CCACCCCGACTGAAGCACTG
<i>IFIT1</i>	GCAGGAATTCCGCTAGCTTT	GCTAAACAGCAGCCAATGGT
<i>ISG15</i>	AGGGAAACCGAAACTGAAGC	TGAGGCACACACGTCAGG
<i>STAT1</i>	CGCTCAGCCAATTAGACGC	GTAAACAGAACGCCAGTTCCC
<i>STAT2</i>	TGTCACCAAGCAGGCTGTC	TCTGTTCTGTTAGGCTCAGGC
<i>IRF9</i>	AGATGCTGCTGCCCTCTAGT	CCCCTTTCTACAGTCCCCA