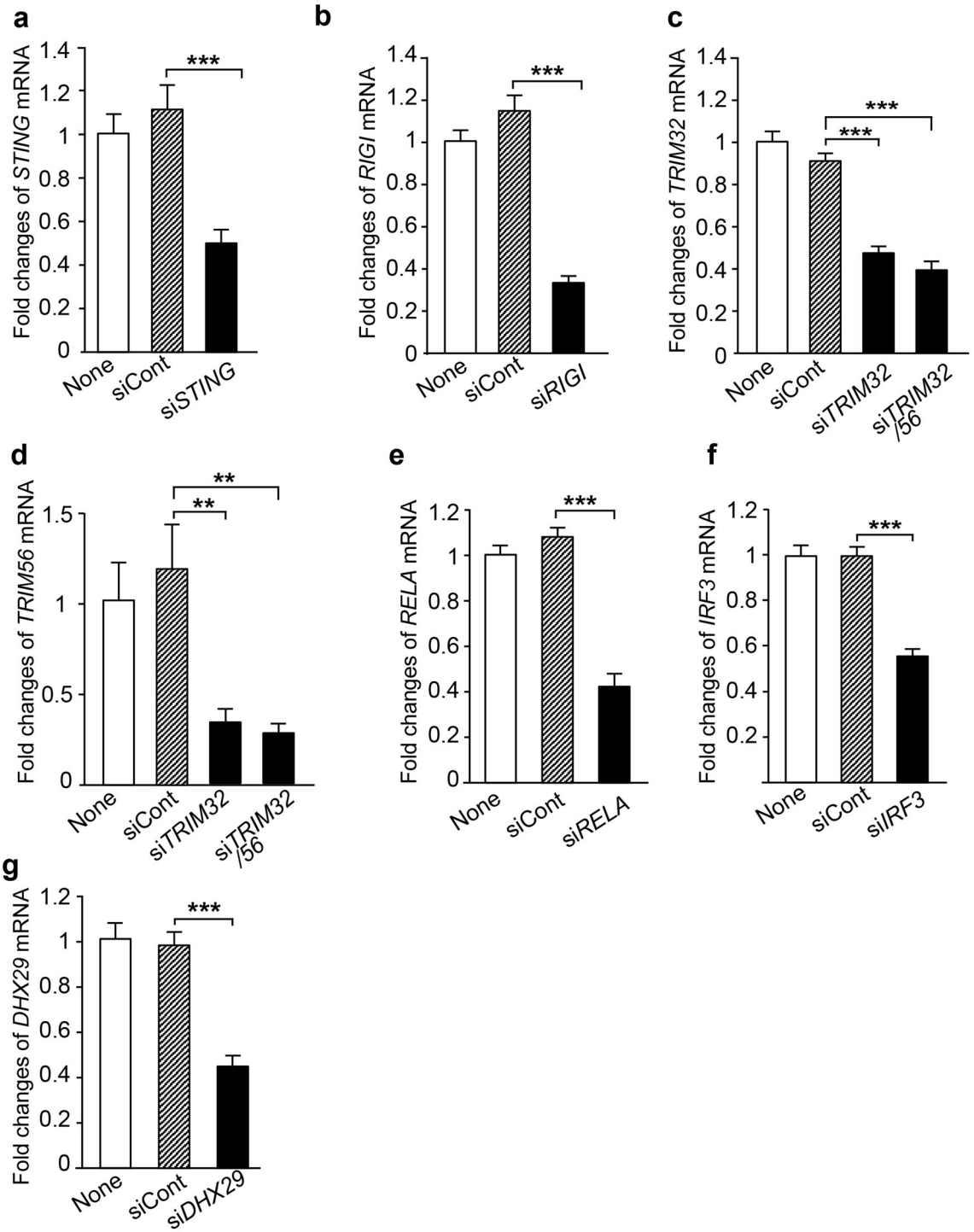
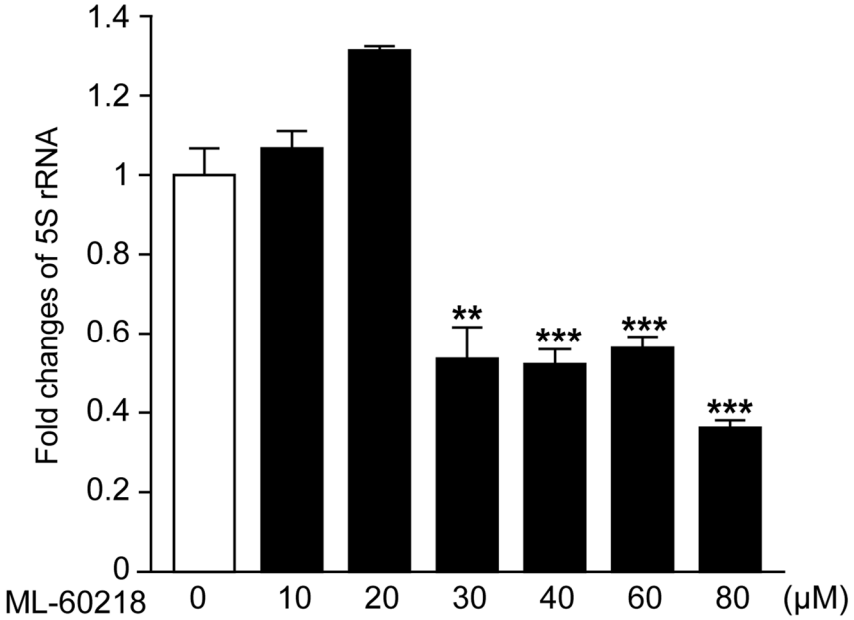

a
Fold changes of STING mRNA
1.4
1.2
1
0.8
0.6
0.4
0.2
0
***
None
siCont
siSTING
b
Fold changes of RIGI mRNA
1.4
1.2
1
0.8
0.6
0.4
0.2
0
***
None
siCont
siRIGI
c
Fold changes of TRIM32 mRNA
1.4
1.2
1
0.8
0.6
0.4
0.2
0
***
***
None
siCont
siTRIM32
siTRIM32/56
d
Fold changes of TRIM56 mRNA
1.5
1
0.5
0
**
**
None
siCont
siTRIM32
siTRIM32/56
e
Fold changes of RELA mRNA
1.2
1
0.8
0.6
0.4
0.2
0
***
None
siCont
siRELA
f
Fold changes of IRF3 mRNA
1.2
1
0.8
0.6
0.4
0.2
***
None
siCont
siIRF3
g
Fold changes of DHX29 mRNA
1.2
1
0.8
0.6
0.4
0.2
0
***
None
siCont
siDHX29

SI Figure 1.

Supplementary Fig. 1. Effects of RNAi on target genes in H292 cells. (A–G) H292 cells were treated with the indicated siRNAs for 6 h, and the expression of each target gene was determined by RT-PCR. (A) *STING* (n = 8, $P < 0.001$), (B) *RIG-I* (n = 8, $P < 0.001$), (C) *TRIM32* (n = 4, $P < 0.001$), (D) *TRIM56* (n = 4, $P = 0.009$ for siTRIM56, $P = 0.005$ for siTRIM32/56), (E) *RELA* (n = 8, $P < 0.001$), (F) *IRF3* (n = 8, $P < 0.001$), and (G) *DHX29* (n = 12, $P < 0.001$) were all significantly suppressed relative to the control siRNA (siCont). The error bars represent means ± SEMs. ***$P < 0.001$, **$P < 0.01$, as determined using the Tukey test


Fold changes of 5S rRNA
1.4
1.2
1
0.8
0.6
0.4
0.2
0
**
***
***
***
ML-60218
0
10
20
30
40
60
80
(μM)

SI Figure 2.

Supplementary Fig. 2. Effect of RNA polymerase III inhibition on ribosomal RNA transcription. H292 cells were treated with ML-60218 for 2 h before 5S rRNA expression was quantitated by RT-PCR. ML-60218 inhibited 5S rRNA at concentrations of 30–80 μM (n = 4, $P = 0.001$ for 30 μM, $P < 0.001$ for 40 and 80 μM). The error bars represent means ± SEMs. ***$P < 0.001$, **$P < 0.01$, as determined using Dunnett's test

Supplementary Table 1. Gene expression assays and primers used in this study

TaqMan gene-expression assays

Gene symbol	Catalog number
MUC5AC	HS01365601_m1
18S rRNA	4319413E

SYBR-based assays

	Forward	Reverse
IFNA1	5′-CTTGACTTGCAGCTGAGCAC-3′	5′-CAGAGTCACCCATCTCAGCA-3′
IFNB1	5′-CAGGAGAGCAATTTGGAGGA-3′	5′-CTTTCGAAGCCTTTGCTCTG-3′
18S rRNA	5′-GATATGCTCATGTGGTGTTG-3′	5′-AATCTTCTTCAGTCGCTCCA-3′
STING	5′-ATATACAGCCGCTGGCTCAC-3′	5′-GATATCTGCGGCTGATCCTG-3′
RIGI	5′-GGCCCTTGTTGTTTTTCTCA-3′	5′-GAAGACCCTGGACCCTACCT-3′
5S rRNA	5′-TCGGGCCTGGTTAGTACTTG-3′	5′-CTATAGGCGCGCCACCGGTGTTTT-3′
TRIM32	5′-CCTGCACCTCTGCAATGTTA-3′	5′-CGGAAGTTCTTCACAGGCTC-3′
TRIM56	5′-CCGTGTGTACATCCAGCAAA-3′	5′-CCCTCACCATCCTAGAGGTC-3′
RELA	5′-GGTCCGCTGAAAGGACTCTT-3′	5′-GAATTCCAGTACCTGCCAGA-3′
IRF3	5′-GTTGGCAGGTCTGGCTTATC-3′	5′-ATGCACAGCAGGAGGATTTC-3′
DHX29	5′-TCAGCACCTGGGAGCTACTT-3′	5′-TCTGCATCACTCCACTCCAG-3′