Figure 1

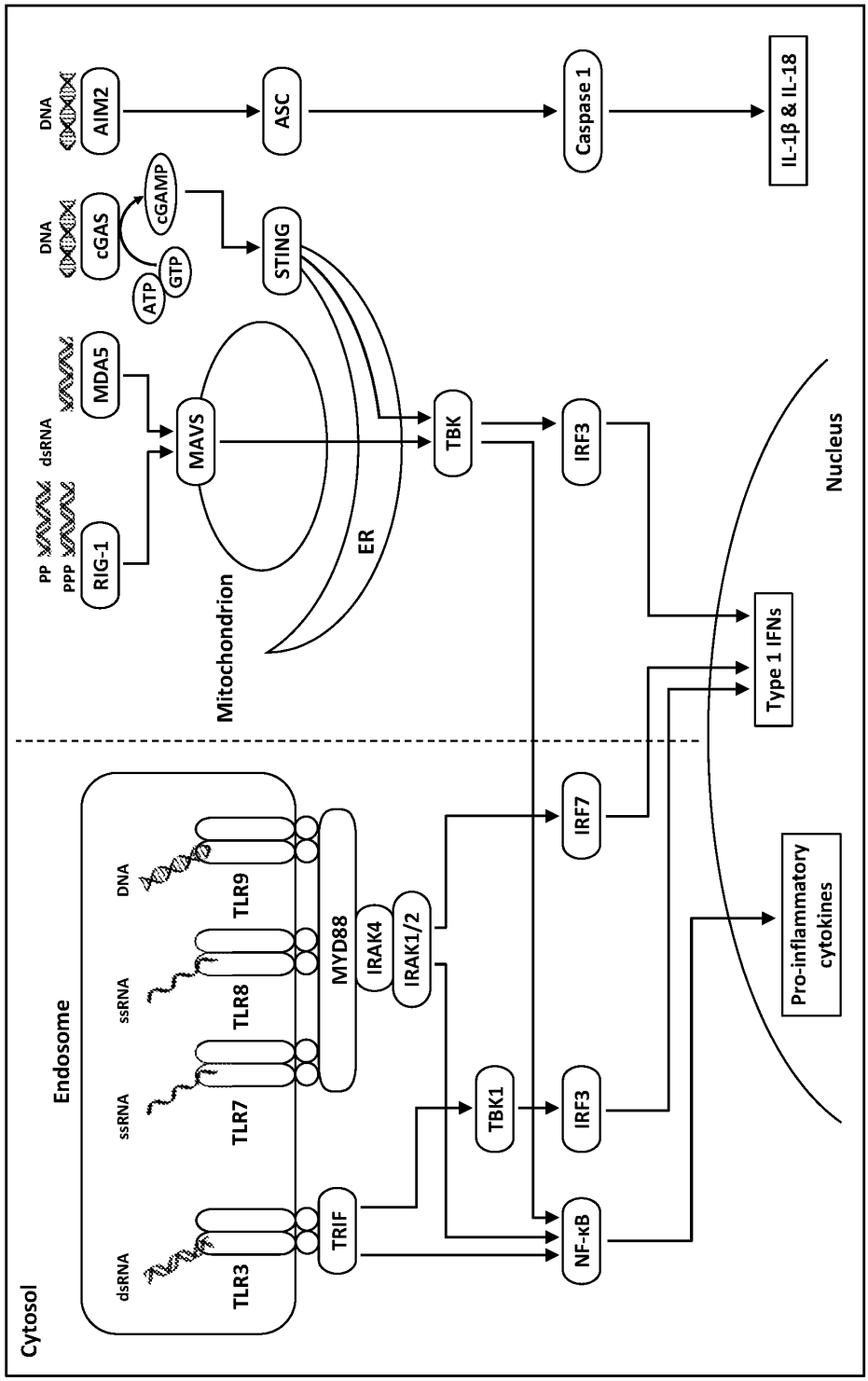

Cytosol
Endosomal receptors
Endosome
Cytosolic receptors
Mitochondrion
ER
Nucleus
dsRNA
TLR3
ssRNA
TLR7
ssRNA
TLR8
DNA
TLR9
TRIF
MYD88
IRAK4
IRAK1/2
TBK1
IRF3
NF-κB
IRF7
PP
PPP
dsRNA
RIG-1
MDA5
MAVS
TBK
IRF3
DNA
cGAS
ATP
GTP
cGAMP
STING
DNA
AIM2
ASC
Caspase 1
IL-1β & IL-18
Type 1 IFNs
Pro-inflammatory cytokines

Figure 2

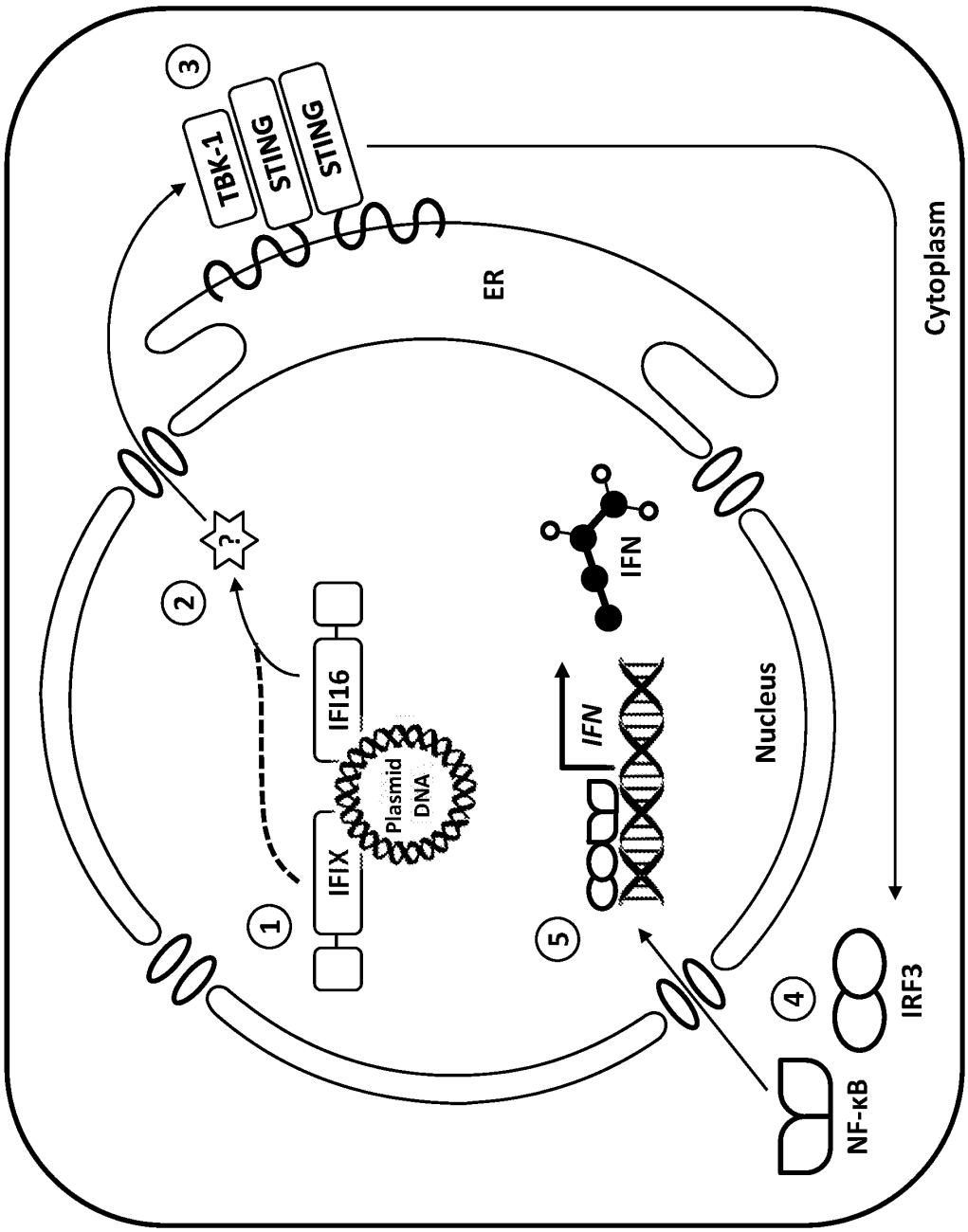

3
TBK-1
STING
STING
ER
Cytoplasm
2
?
IFI16
IFIX
Plasmid DNA
1
IFN
IFN
Nucleus
5
4
IRF3
NF-κB

Figure 3

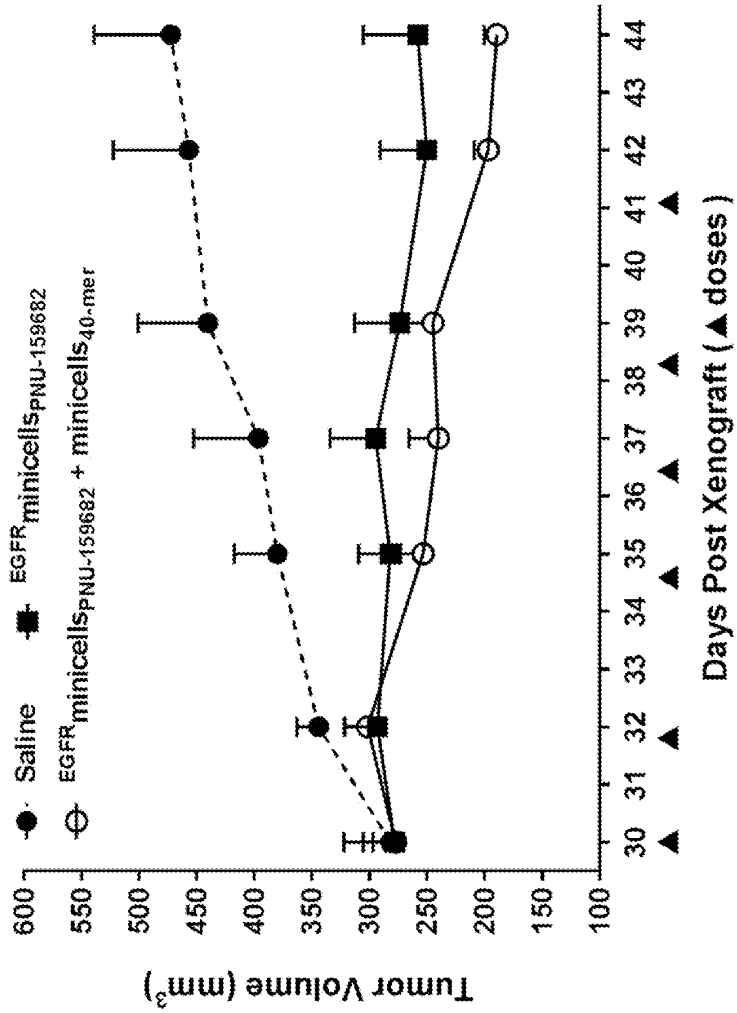
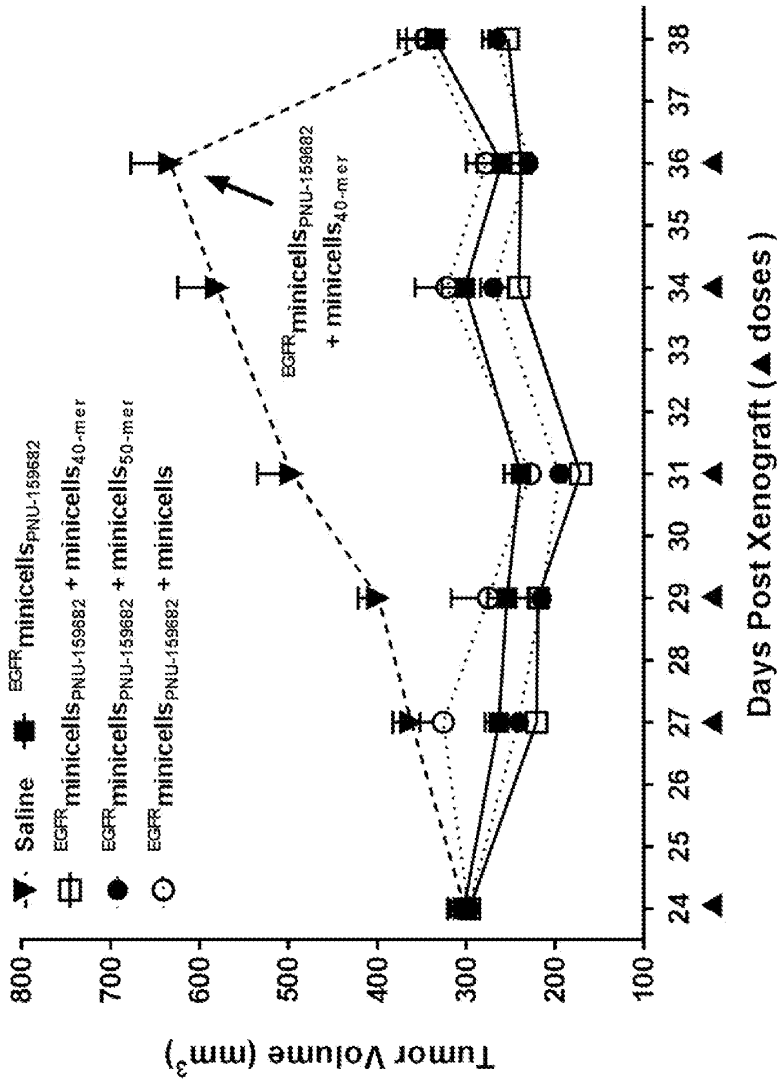

Saline
EGFRminicellsPNU-159682
EGFRminicellsPNU-159682 + minicells40-mer
Tumor Volume (mm3)
600
550
500
450
400
350
300
250
200
150
100
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
Days Post Xenograft (▲ doses )

Figure 4


Saline
EGFRminicells PNU-159682
EGFRminicells PNU-159682 + minicells 40-mer
EGFRminicells PNU-159682 + minicells 50-mer
EGFRminicells PNU-159682 + minicells
EGFRminicells PNU-159682 + minicells 40-mer
Tumor Volume (mm3)
800
700
600
500
400
300
200
100
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
Days Post Xenograft (▲ doses )