SARS-CoV-2
Orf7a
M
E
S
N:3
N:2
ACE2
(+)ss gRNA
oligomer
N
Nucleocapsid
ACE2:SPIKE complex
EPITHELIAL CELL
Camostat mesylate
100 Kda fragment
75 Kda fragment
S1
S2
6-HB conformation
exposed HR1-HR2-FP
FURIN
TMPRSS2
ENDOSOME
CTSB
CTSL
Host translation complex
Host translation
pp1ab
pp1a
Nsp1
Nsp2
pp1ab Nsp3-16
pp1a Nsp3-11
pp1ab Nsp3-16
pp1a Nsp3-11
pp1ab nsp6-16
pp1a Nsp6-11
Nsp3-4
Nsp5
Cellular response to exogenous dsRNA
Endoplasmic reticulum
Nsp16
Nsp15
Nsp14
Nsp13
Nsp12
Nsp10
Nsp9
Nsp8
Nsp7
Nsp6
Nsp3
Nsp4
Nsp11
Double-membrane vesicle
(+)ss gRNA
Replication transcription complex
Replication transcription complex:N oligomer
(-)ss gRNA
ds gRNA
N (-)ss sgmRNA
M (-)ss sgmRNA
E (-)ss sgmRNA
S (-)ss sgmRNA
Orf7a (-)ss sgmRNA
Orf6 (-)ss sgmRNA
Orf3a (-)ss sgmRNA
Orf8 (-)ss sgmRNA
Orf9b (-)ss sgmRNA
Orf14 (-)ss sgmRNA
Orf7b (-)ss sgmRNA
N ds sgmRNA
M ds sgmRNA
E ds sgmRNA
S ds sgmRNA
Orf7a ds sgmRNA
Orf6 ds sgmRNA
Orf3a ds sgmRNA
Orf8 ds sgmRNA
Orf9b ds sgmRNA
Orf14 ds sgmRNA
Orf7b ds sgmRNA
N (+)ss sgmRNA
M (+)ss sgmRNA
E (+)ss sgmRNA
S (+)ss sgmRNA
Orf7a (+)ss sgmRNA
Orf6 (+)ss sgmRNA
Orf3a (+)ss sgmRNA
Orf8 (+)ss sgmRNA
Orf9b (+)ss sgmRNA
Orf14 (+)ss sgmRNA
Orf7b (+)ss sgmRNA
SMOOTH-WALL VESICLE
ER-GOLGI INTERMEDIATE COMPLEX
ROUGH ENDOPLASMIC RETICULUM
Orf6
Orf3a
Orf8
Orf9b
Orf14
Orf7b