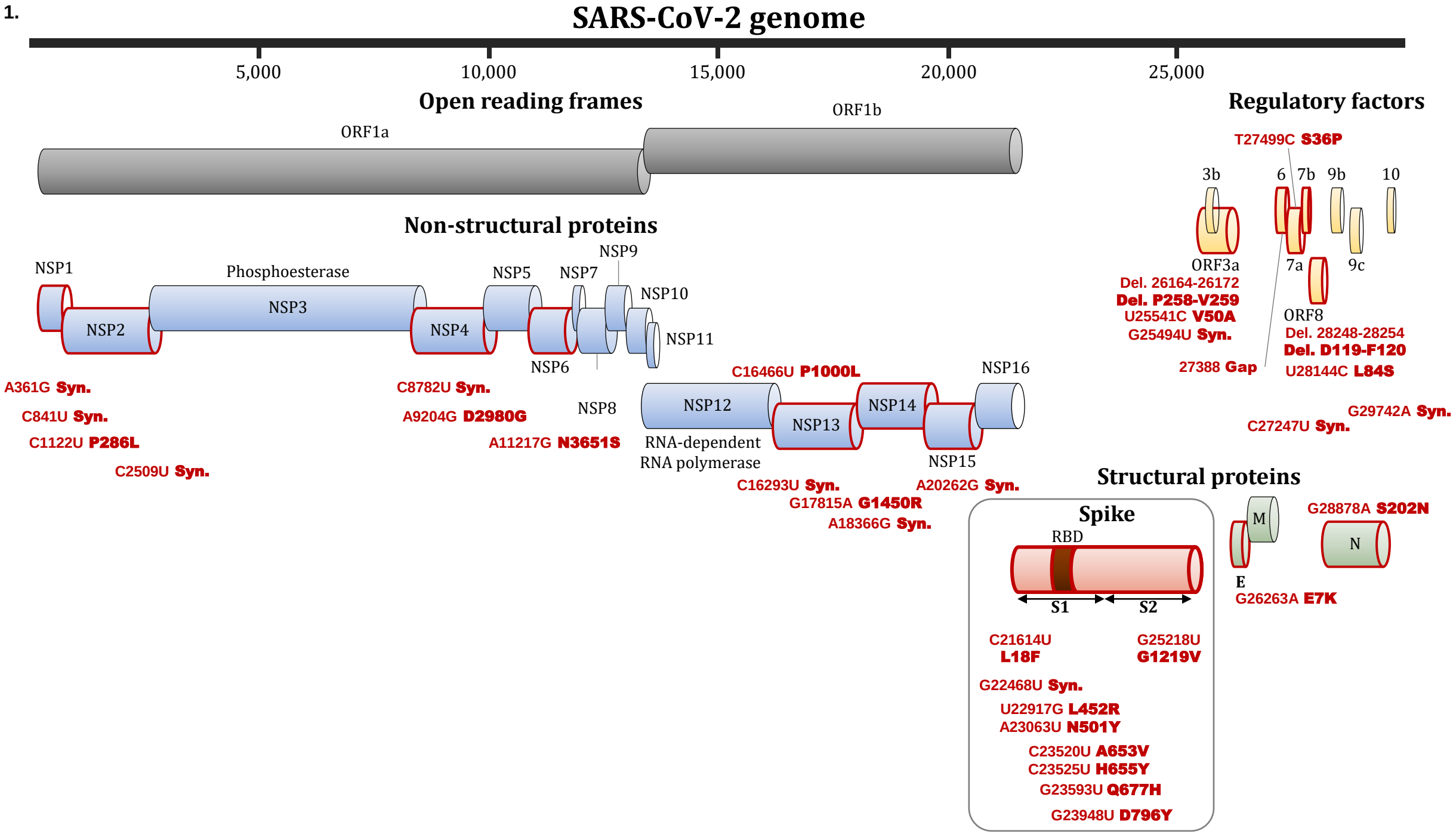
Fig. 1.


SARS-CoV-2 genome
5,000
10,000
15,000
20,000
25,000
Open reading frames
ORF1a
ORF1b
Regulatory factors
T27499C S36P
3b
6
7b
9b
10
ORF3a
7a
9c
Del. 26164-26172
Del. P258-V259
U25541C V50A
G25494U Syn.
ORF8
Del. 28248-28254
Del. D119-F120
U28144C L84S
27388 Gap
G29742A Syn.
C27247U Syn.
Non-structural proteins
NSP1
Phosphoesterase
NSP3
NSP2
NSP4
NSP5
NSP7
NSP9
NSP10
NSP11
NSP6
NSP8
NSP12
NSP13
NSP14
NSP15
NSP16
RNA-dependent
RNA polymerase
A361G Syn.
C841U Syn.
C1122U P286L
C2509U Syn.
C8782U Syn.
A9204G D2980G
A11217G N3651S
C16466U P1000L
C16293U Syn.
G17815A G1450R
A18366G Syn.
A20262G Syn.
Structural proteins
Spike
RBD
S1
S2
C21614U
L18F
G25218U
G1219V
G22468U Syn.
U22917G L452R
A23063U N501Y
C23520U A653V
C23525U H655Y
G23593U Q677H
G23948U D796Y
M
E
G26263A E7K
N
G28878A S202N