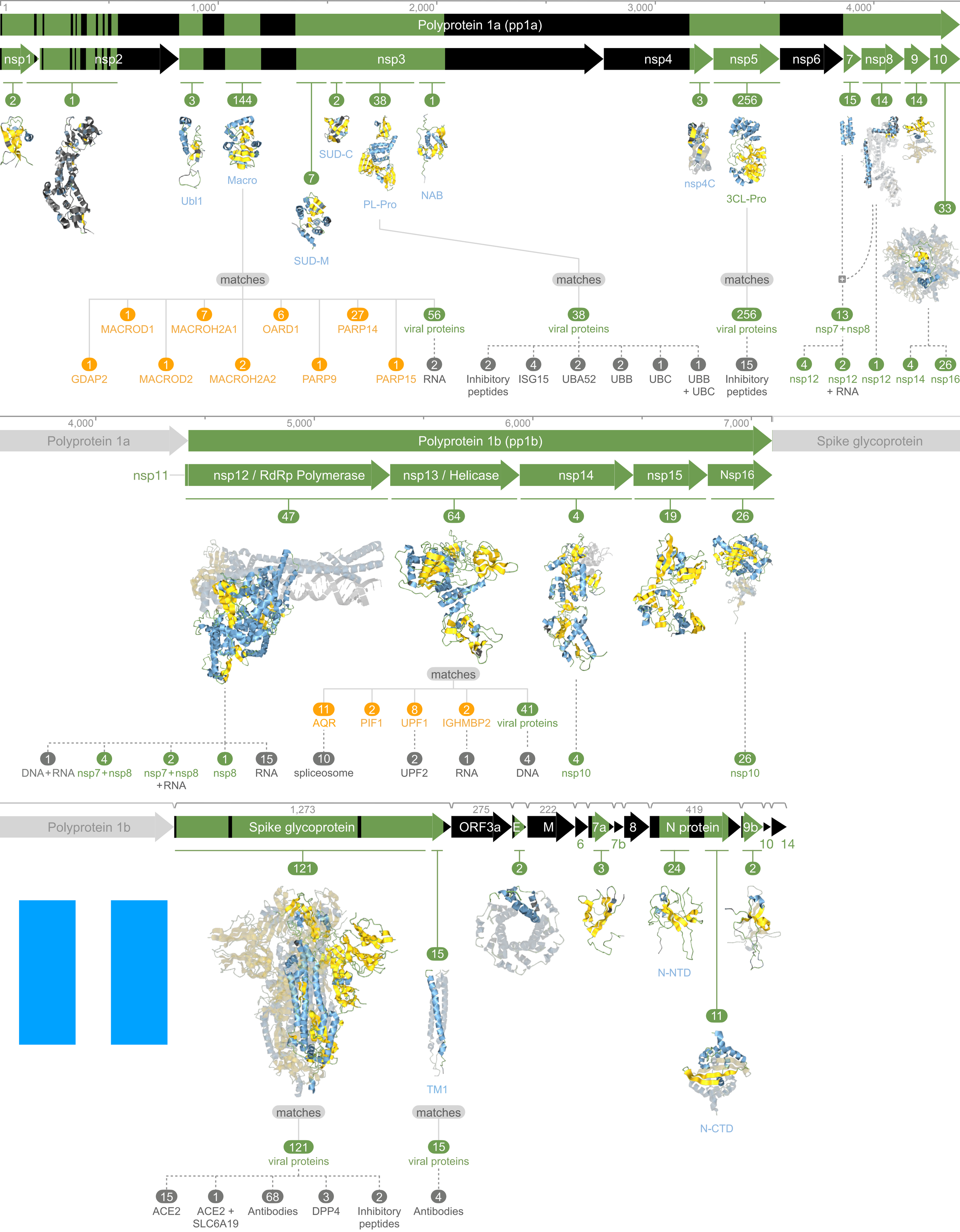
1
1,000
2,000
3,000
4,000
Polyprotein 1a (pp1a)
nsp1
nsp2
nsp3
nsp4
nsp5
nsp6
7
nsp8
9
10
2
1
3
144
2
38
1
3
256
15
14
14
33
Ubl1
Macro
SUD-C
7
SUD-M
PL-Pro
NAB
nsp4C
3CL-Pro
matches
matches
matches
1
MACROD1
7
MACROH2A1
6
OARD1
27
PARP14
56
viral proteins
38
viral proteins
256
viral proteins
13
nsp7+nsp8
1
GDAP2
1
MACROD2
2
MACROH2A2
1
PARP9
1
PARP15
2
RNA
2
Inhibitory peptides
4
ISG15
2
UBA52
2
UBB
1
UBC
1
UBB + UBC
15
Inhibitory peptides
4
nsp12
2
nsp12 + RNA
1
nsp12
4
nsp14
26
nsp16
4,000
5,000
6,000
7,000
Polyprotein 1a
Polyprotein 1b (pp1b)
Spike glycoprotein
nsp11
nsp12 / RdRp Polymerase
nsp13 / Helicase
nsp14
nsp15
Nsp16
47
64
4
19
26
matches
11
AQR
2
PIF1
8
UPF1
2
IGHMBP2
41
viral proteins
1
DNA+RNA
4
nsp7+nsp8
2
nsp7+nsp8 +RNA
1
nsp8
15
RNA
10
spliceosome
2
UPF2
1
RNA
4
DNA
4
nsp10
26
nsp10
Polyprotein 1b
1,273
Spike glycoprotein
275
ORF3a
E
222
M
6
7a
7b
8
419
N protein
9b
10
14
121
2
3
24
2
15
TM1
N-NTD
11
N-CTD
matches
matches
121
viral proteins
15
viral proteins
15
ACE2
1
ACE2 + SLC6A19
68
Antibodies
3
DPP4
2
Inhibitory peptides
4
Antibodies
Sequences: Known structure Unknown structure
Synonyms: Protein Domain
3D Matches: Viral Human binds to
Structures: Helix Sheet Amino acid substitution