Scale
NC_045512v2:
10 kb
wuhCor1
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF7b
ORF10
ORF3a
ORF7a
M
N
ORF6
ORF8
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
3CL-PRO
nsp8
Pol
ExoN
nsp16
Spike protein S2
pp1ab
Spike protein S2'
pp1a
Hel
nsp15
S glycoprotein
nsp2
nsp4
nsp6
nsp10
nsp7
nsp11
nsp9
Spike protein S1
Putative ORF3d...
ORF9c
Putative ORF10...
ORF9b
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C2H2
C4
C2HC
Y1
ZF1
ZF2
CoV-Y
Y2
Y3
Y4
RdRp Fingers N...
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Palm C-ter
RdRp Thumb
GpppA-binding
Putative super...
Receptor-bindi...
Integrin-bindi...
binds ACE2
Immunodominant...
Putative super...
Fusion peptide 1
Fusion peptide 2
Ig-like fold
RNA-binding
Important for ...
Heptad repeat 1
Heptad repeat 2
SR region
Dimerization
Putative NLRP3...
Tetramerization
Protein Domains
UniProt Domains
Mutations
UniProt Amino Acid Mutations
Bloom Serum Average
Bloom Lab: S RBD-mutation patient serum antibody escape - average score across serum samples (patients A-K)
Drug Resistance Mutations
Mutations that confer drug resistance (Anna Niewiadomska, BV-BRC)
Recomb. Breakpoints
Recombination Breakpoints from Thurakia et al 2022
Mutations in Variants of Concern (VOC), Interest (VOI), or Under Monitoring (VUM) (configure to show more lineages)
Delta AA Muts
Omicron BA.2 AA Muts
Omicron XBB.1.5 AA Muts
micron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts