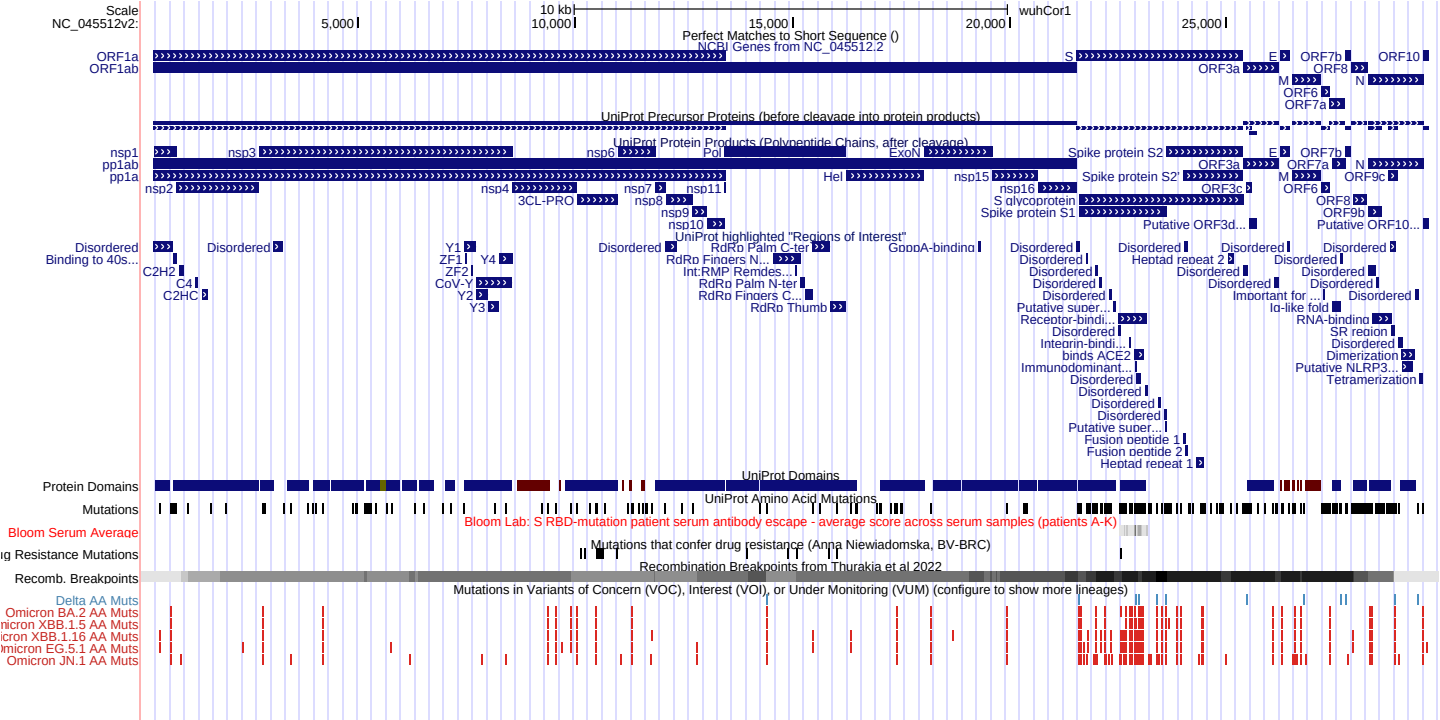
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
Perfect Matches to Short Sequence ()
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF7b
ORF10
ORF3a
ORF8
M
N
ORF6
ORF7a
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
pp1ab
pp1a
nsp2
nsp3
nsp4
3CL-PRO
nsp6
nsp7
nsp8
nsp9
nsp10
nsp11
Pol
ExoN
Hel
nsp15
nsp16
Spike protein S2
Spike protein S2'
ORF3a
ORF3c
ORF7a
ORF7b
ORF6
ORF9c
ORF8
ORF9b
Putative ORF10...
Spike protein S1
Putative ORF3d...
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C2H2
C4
C2HC
Y1
ZF1
ZF2
CoV-Y
Y2
Y3
Y4
RdRp Palm C-ter
RdRp Fingers N...
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Thumb
GoppA-binding
Heptad repeat 2
Important for ...
Ig-like fold
RNA-binding
SR region
Putative super...
Receptor-bindi...
Integrin-bindi...
binds ACE2
Immunodominant...
Putative NLRP3...
Dimerization
Tetramerization
Fusion peptide 1
Fusion peptide 2
Heptad repeat 1
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)
ug 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
micron XBB.1.5 AA Muts
icron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts