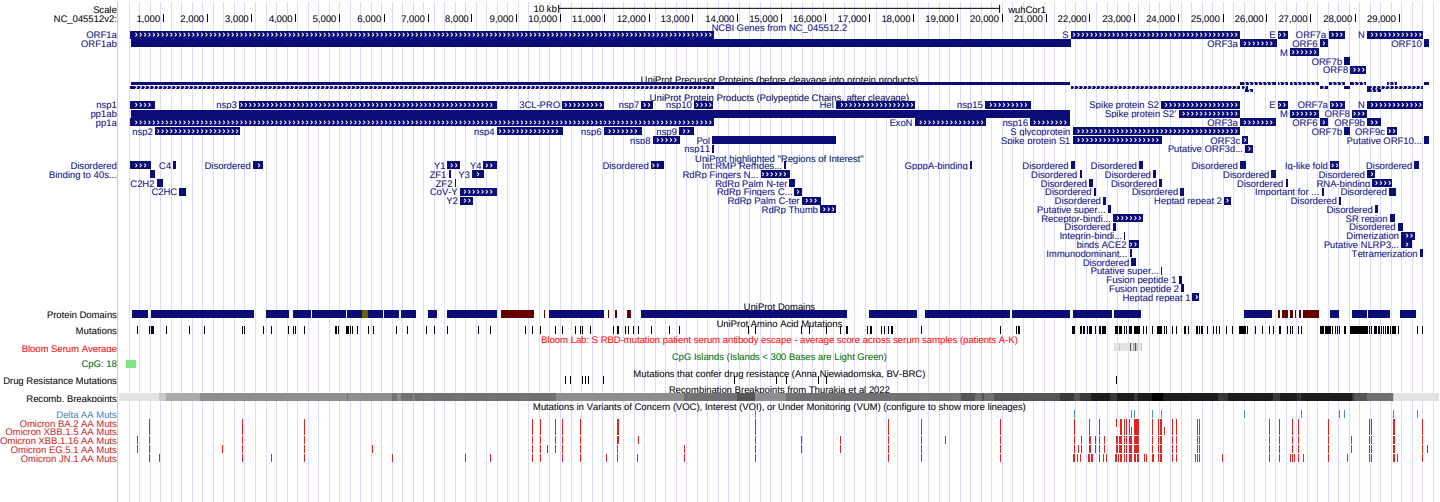
Scale
NC_045512v2:
10 kbp
wuhCor1
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF7a
N
ORF3a
ORF6
ORF10
M
ORF7b
ORF8
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
pp1ab
pp1a
nsp2
nsp3
3CL-PRO
nsp7
nsp10
Hel
nsp15
Spike protein S2
Spike protein S2'
ExoN
nsp16
S glycoprotein
Spike protein S1
ORF3c
Putative ORF3d...
ORF9b
ORF9c
Putative ORF10...
nsp4
nsp6
nsp9
nsp8
Pol
nsp11
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C4
C2H2
C2HC
Y1
Y4
ZF1
Y3
ZF2
CoV-Y
Y2
IntRNP Refolds...
RdRp Fingers N...
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
Heptad repeat 1
Heptad repeat 2
Ig-like fold
Important for ...
RNA-binding
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)
CpG: 18
CpG Islands (Islands < 300 Bases are Light Green)
Drug Resistance Mutations
Mutations that confer drug resistance (Anna Neiwiadomska, BV-BRC)
Recomb. Breakpoints
Recombination Breakpoints from Thurakia et al 2022
Delta AA Muts
Omicron BA.2 AA Muts
Omicron XBB.1.5 AA Muts
Omicron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts
Mutations in Variants of Concern (VOC), Interest (VOI), or Under Monitoring (VUM) (configure to show more lineages)