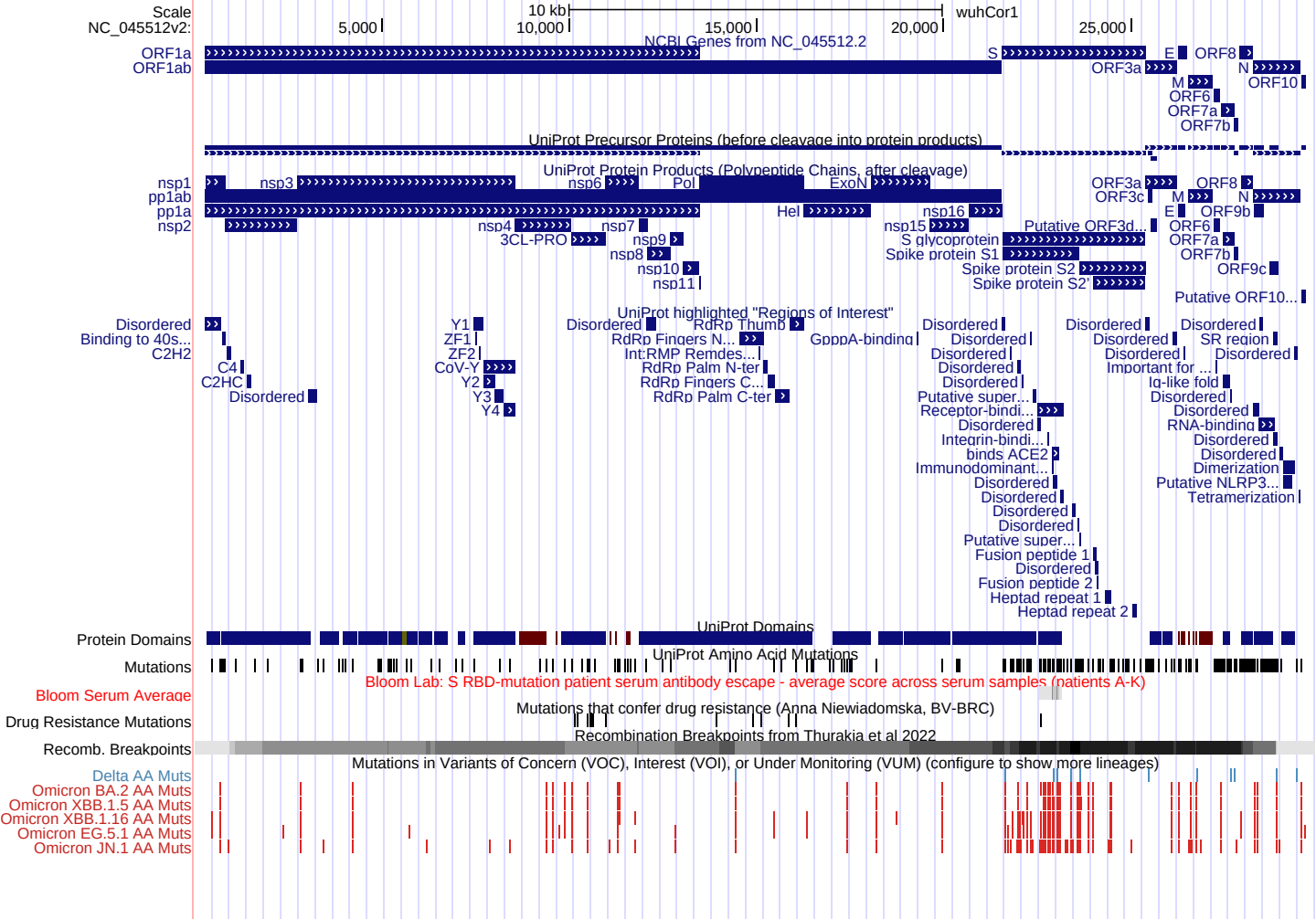
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF8
ORF3a
N
M
ORF10
ORF6
ORF7a
ORF7b
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
pp1ab
pp1a
nsp2
nsp3
nsp6
Pol
ExoN
ORF3a
ORF3c
ORF8
M
N
E
ORF9b
Hel
nsp16
nsp15
Putative ORF3d...
ORF6
S glycoprotein
ORF7a
Spike protein S1
ORF7b
Spike protein S2
ORF9c
Spike protein S2'
Putative ORF10...
nsp4
nsp7
3CL-PRO
nsp9
nsp8
nsp10
nsp11
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C2H2
C4
C2HC
Disordered
Y1
ZF1
ZF2
CoV-Y
Y2
Y3
Y4
Disordered
RdRp Thumb
RdRp Fingers N...
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Palm C-ter
GpppA-binding
Disordered
Disordered
Disordered
Disordered
Disordered
Putative super...
Receptor-bindi...
Disordered
Integrin-bindi...
binds ACE2
Immunodominant...
Disordered
Disordered
Disordered
Disordered
Putative super...
Fusion peptide 1
Disordered
Fusion peptide 2
Heptad repeat 1
Heptad repeat 2
Disordered
Disordered
SR region
Disordered
Important for ...
Ig-like fold
Disordered
Disordered
RNA-binding
Disordered
Disordered
Dimerization
Putative NLRP3...
Tetramerization
UniProt Domains
Protein Domains
UniProt Amino Acid Mutations
Mutations
Bloom Lab: S RBD-mutation patient serum antibody escape - average score across serum samples (patients A-K)
Bloom Serum Average
Mutations that confer drug resistance (Anna Niewiadomska, BV-BRC)
Drug Resistance Mutations
Recombination Breakpoints from Thurakia et al 2022
Recomb. Breakpoints
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
Omicron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts