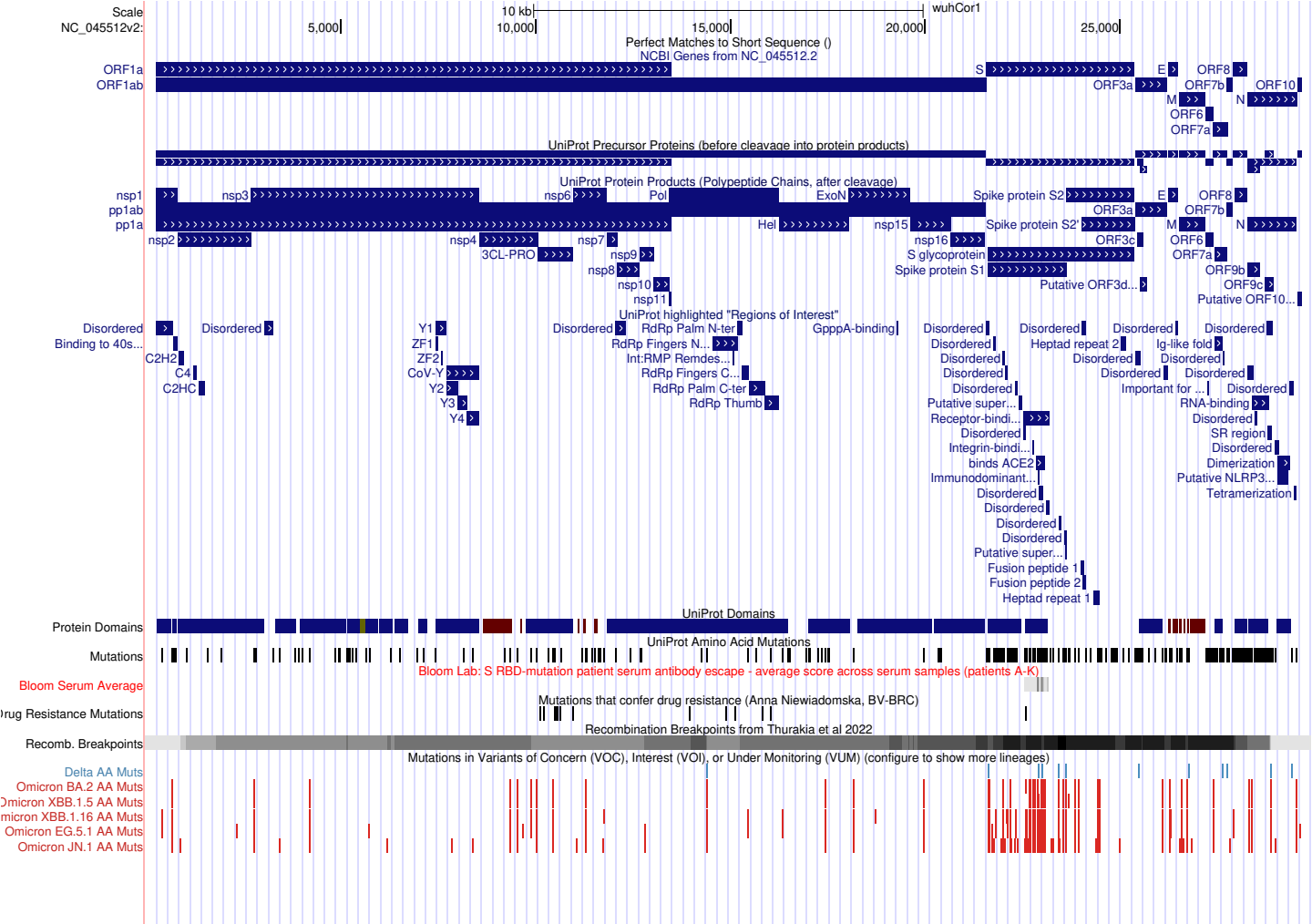
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
Perfect Matches to Short Sequence ()
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF8
ORF3a
ORF7b
ORF10
M
N
ORF6
ORF7a
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after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