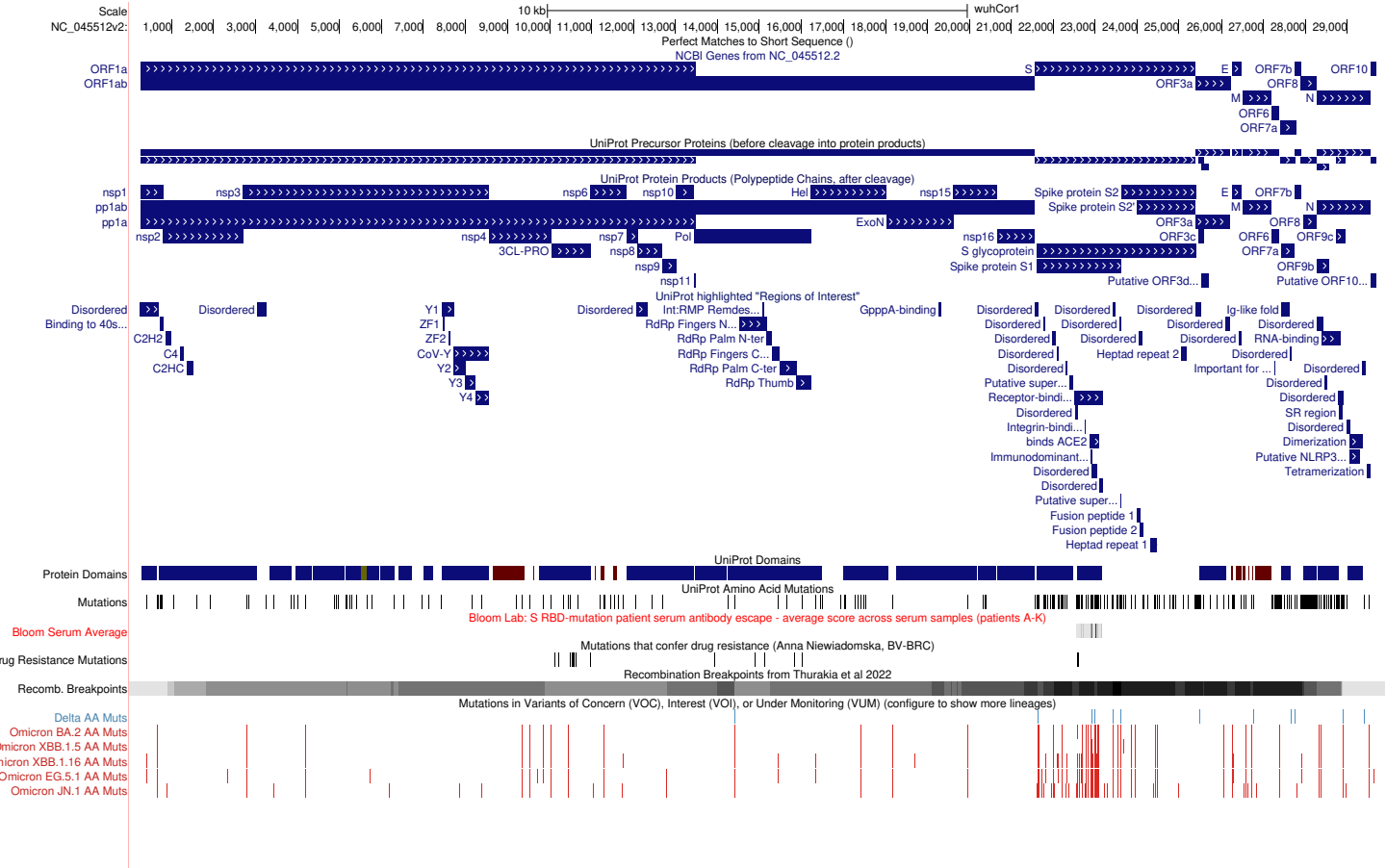
Scale
NC_045512v2:
10 kb
wuhCor1
Perfect Matches to Short Sequence ()
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF7b
ORF10
ORF3a
ORF8
M
N
ORF6
ORF7a
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
nsp6
nsp10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