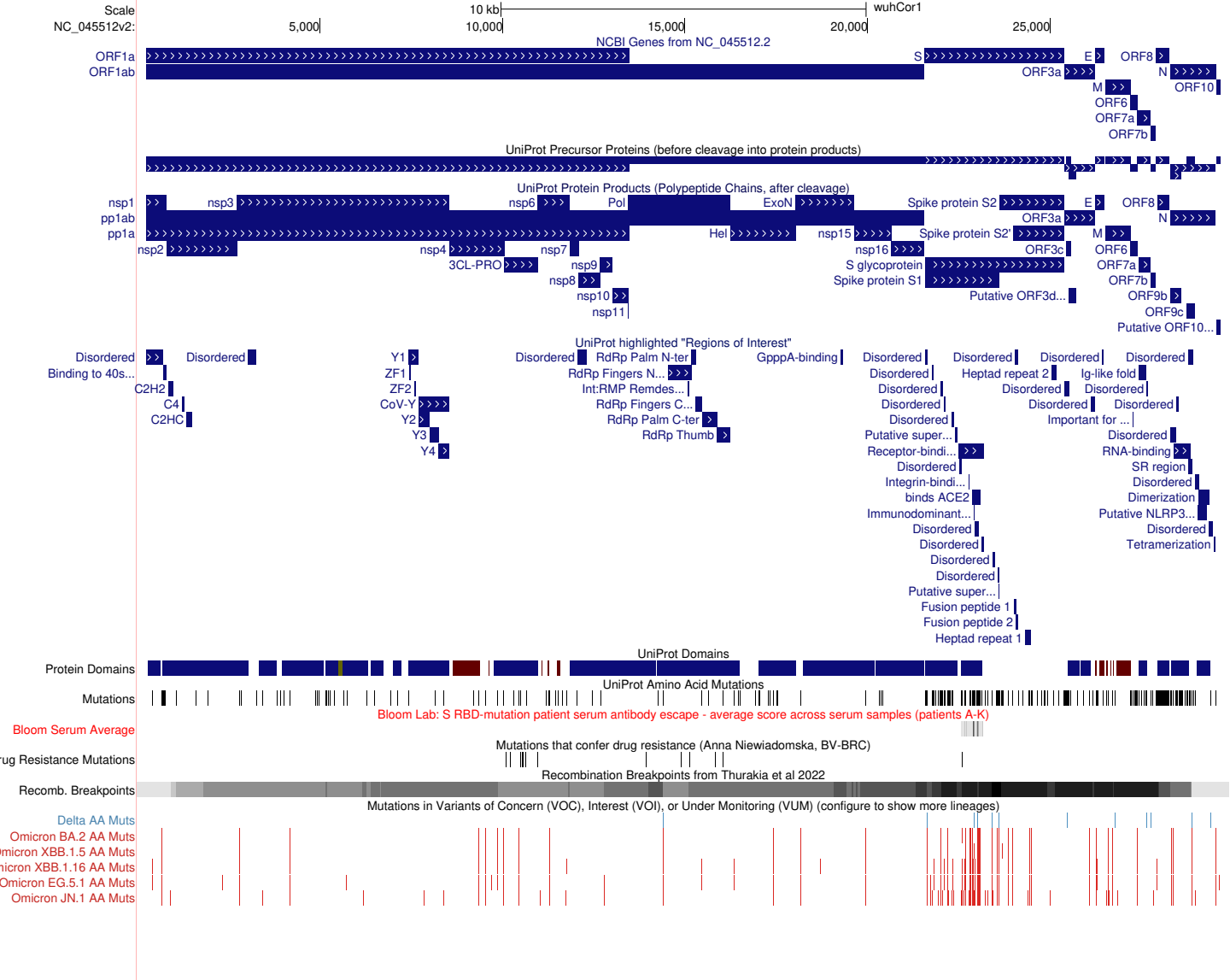
Scale
10 kb
wuhCor1
NC_045512v2:
5,000
10,000
15,000
20,000
25,000
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF8
ORF3a
N
M
ORF10
ORF6
ORF7a
ORF7b
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
nsp6
Pol
ExoN
Spike protein S2
pp1ab
ORF3a
pp1a
Hel
nsp15
Spike protein S2'
nsp2
nsp4
nsp7
nsp16
ORF3c
3CL-PRO
nsp9
S glycoprotein
nsp8
Spike protein S1
nsp10
Putative ORF3d...
ORF9b
nsp11
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 ...
Putative super...
Receptor-bindi...
RNA-binding
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
micron XBB.1.5 AA Muts
micron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts