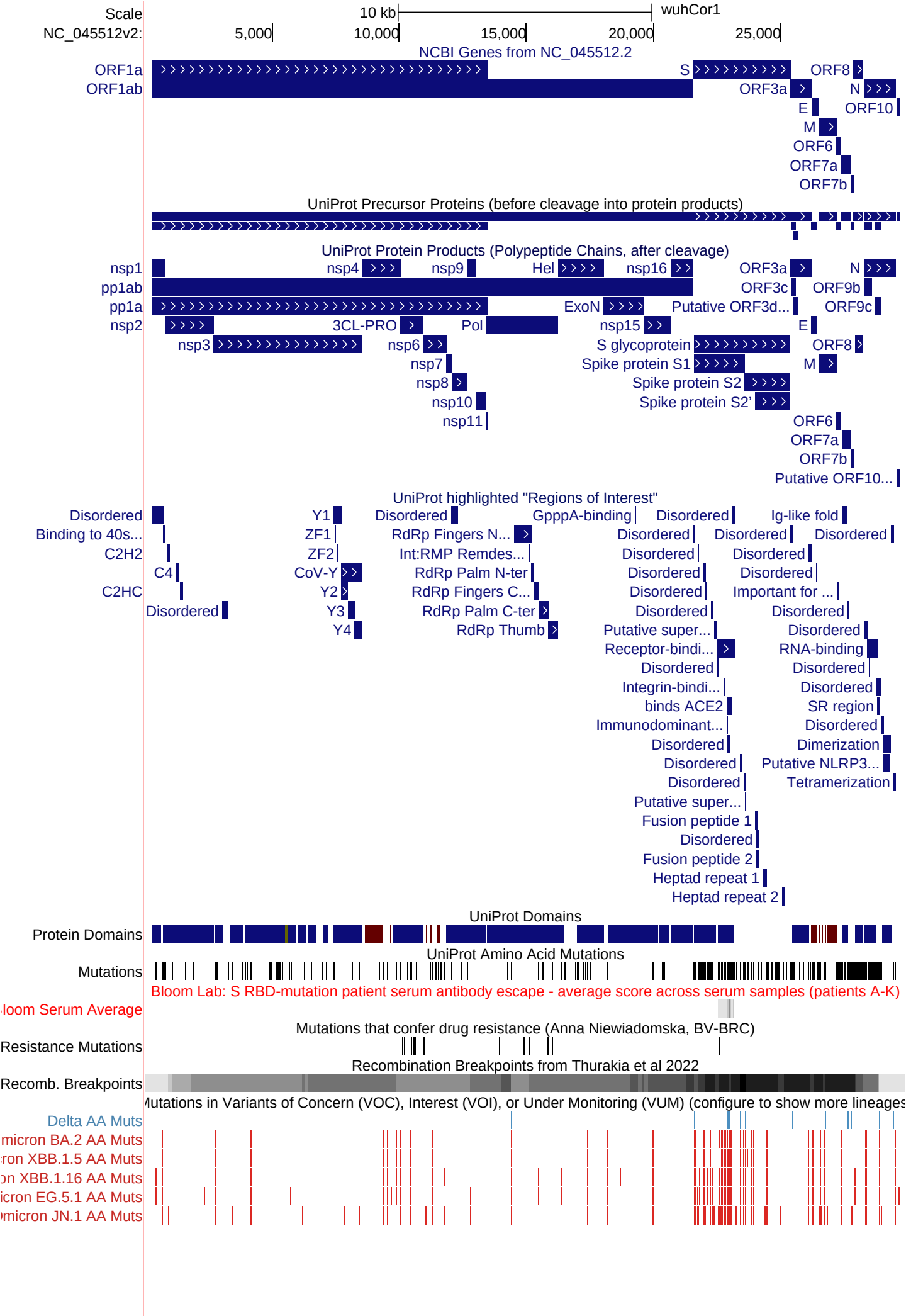
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
ORF8
ORF3a
N
E
ORF10
M
ORF6
ORF7a
ORF7b
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
pp1ab
pp1a
nsp2
nsp3
nsp4
nsp9
Hel
nsp16
ORF3a
N
ORF3c
ORF9b
ExoN
Putative ORF3d...
ORF9c
3CL-PRO
Pol
nsp15
E
nsp6
S glycoprotein
ORF8
nsp7
Spike protein S1
M
nsp8
Spike protein S2
nsp10
Spike protein S2'
nsp11
ORF6
ORF7a
ORF7b
Putative ORF10...
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C2H2
C4
C2HC
Disordered
Y1
ZF1
ZF2
CoV-Y
Y2
Y3
Y4
Disordered
RdRp Fingers N...
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Palm C-ter
RdRp Thumb
GpppA-binding
Disordered
Disordered
Disordered
Disordered
Disordered
Disordered
Disordered
Disordered
Putative super...
Receptor-bindi...
Disordered
Integrin-bindi...
binds ACE2
Immunodominant...
Disordered
Disordered
Disordered
Ig-like fold
Disordered
Disordered
Important for ...
Disordered
Disordered
RNA-binding
Disordered
Disordered
SR region
Disordered
Dimerization
Putative NLRP3...
Tetramerization
Putative super...
Fusion peptide 1
Disordered
Fusion peptide 2
Heptad repeat 1
Heptad repeat 2
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)
loom Serum Average
Mutations that confer drug resistance (Anna Niewiadomska, BV-BRC)
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
micron BA.2 AA Muts
ron XBB.1.5 AA Muts
on XBB.1.16 AA Muts
icron EG.5.1 AA Muts
micron JN.1 AA Muts