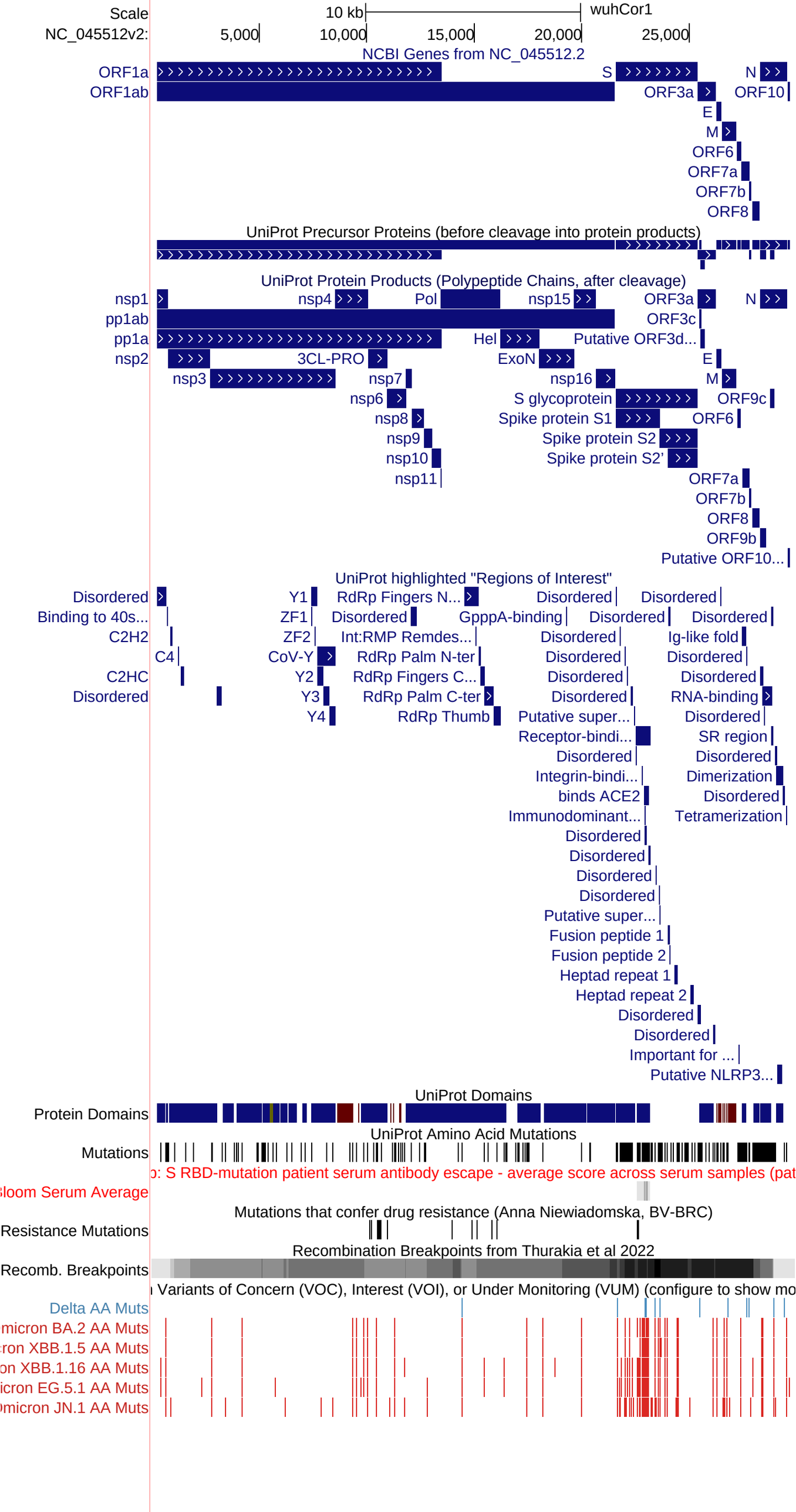
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
N
ORF3a
ORF10
E
M
ORF6
ORF7a
ORF7b
ORF8
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
pp1ab
pp1a
nsp2
nsp3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