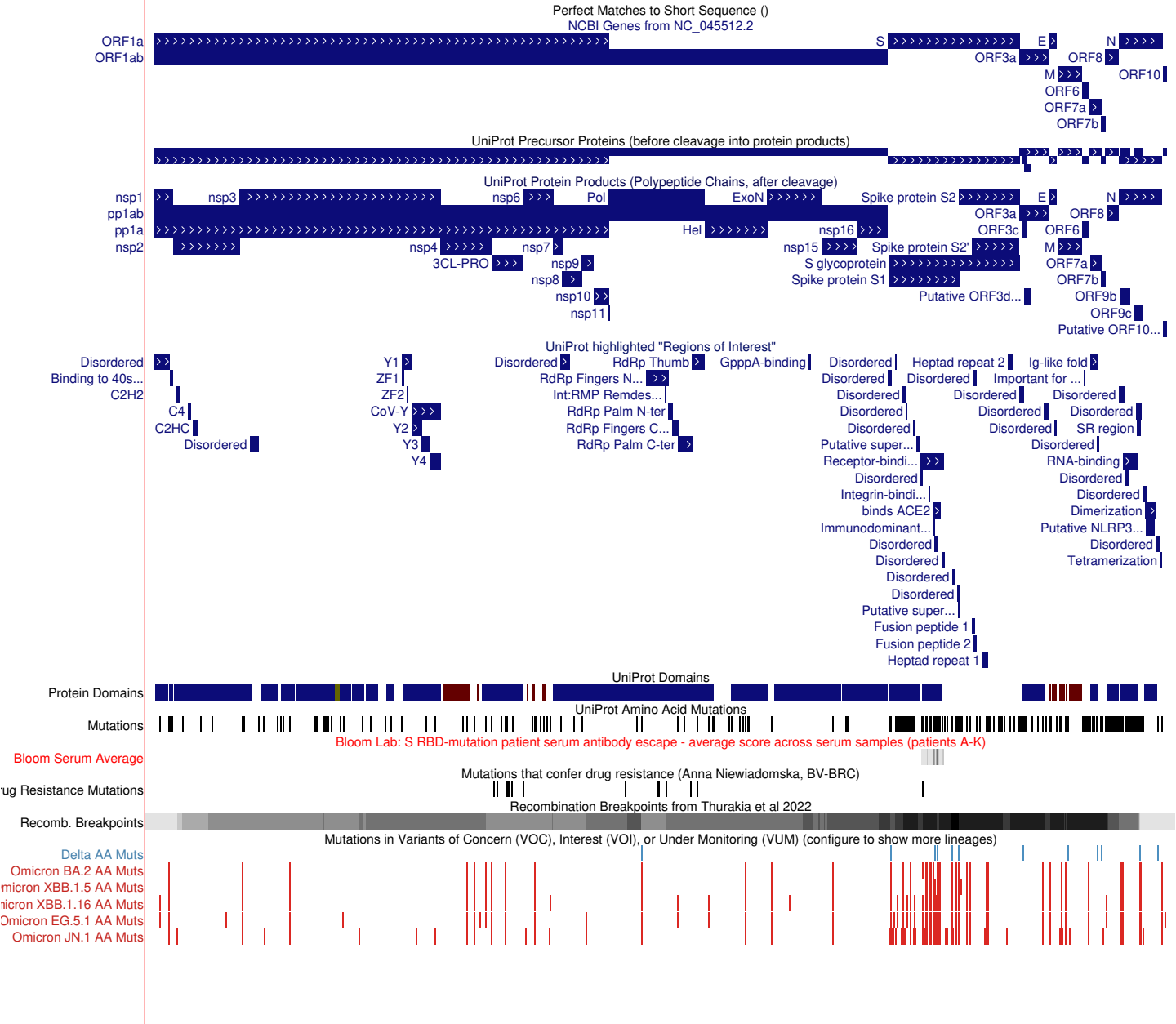
Perfect Matches to Short Sequence ()
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
N
ORF3a
ORF8
M
ORF10
ORF6
ORF7a
ORF7b
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
nsp6
Pol
ExoN
Spike protein S2
pp1ab
pp1a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