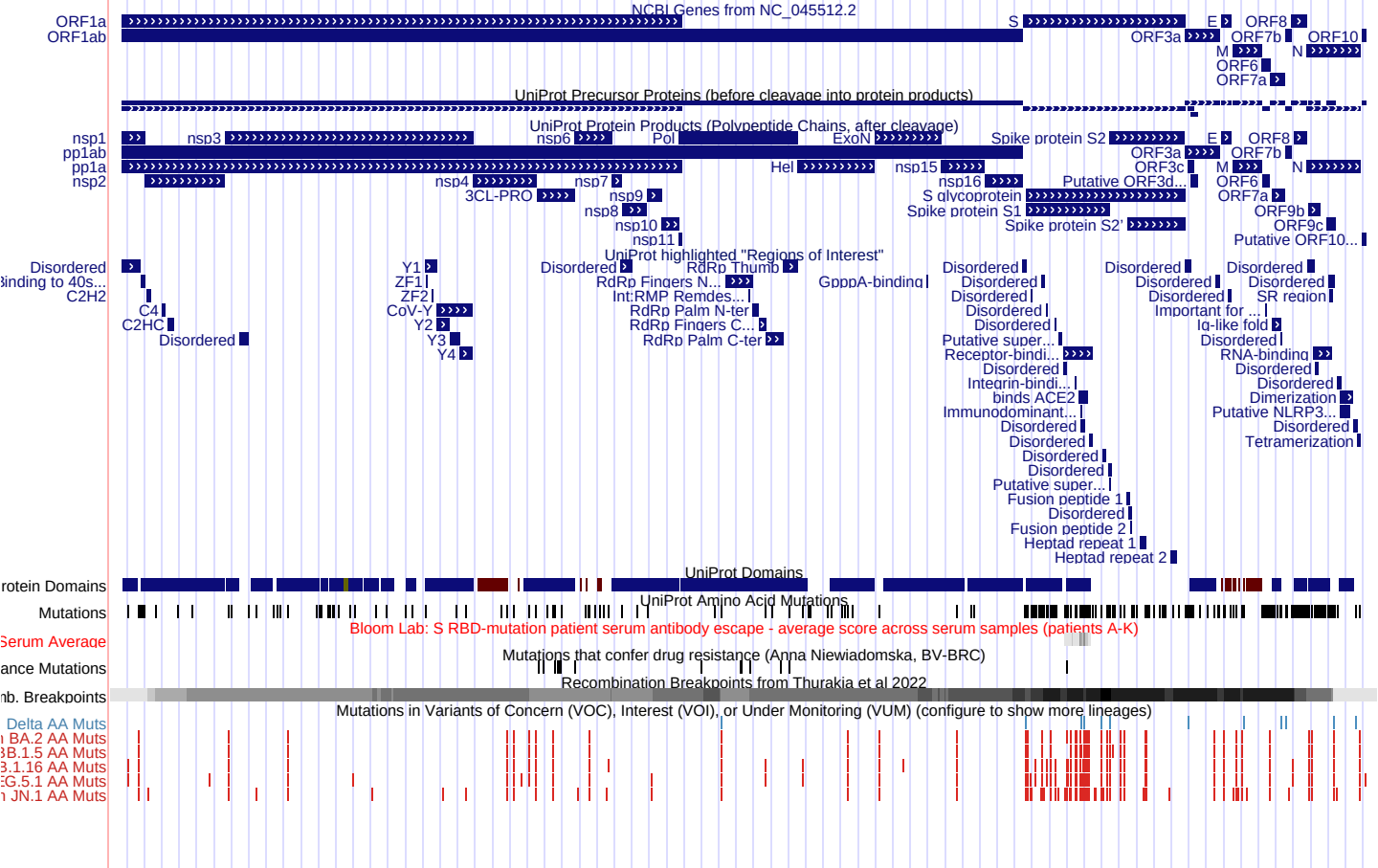
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF8
ORF3a
ORF7b
ORF10
M
N
ORF6
ORF7a
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
nsp6
Pol
ExoN
Spike protein S2
pp1ab
pp1a
nsp2
nsp4
nsp7
3CL-PRO
nsp9
nsp8
nsp10
nsp11
Hel
nsp15
nsp16
Putative ORF3d...
S glycoprotein
Spike protein S1
Spike protein S2'
ORF3c
ORF9b
ORF9c
Putative ORF10...
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
C2HC
C4
C2HC
Disordered
Y1
ZF1
ZF2
CoV-Y
Y2
Y3
Y4
RdRp Thumb
RdRp Fingers N...
GpppA-binding
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Palm C-ter
Important for ...
Ig-like fold
Putative super...
Receptor-bindi...
RNA-binding
Integrin-bindi...
binds ACE2
Dimerization
Immunodominant...
Putative NLRP3...
Tetramerization
Fusion peptide 1
Fusion peptide 2
Heptad repeat 1
Heptad repeat 2
UniProt Domains
Protein Domains
Mutations
UniProt Amino Acid Mutations
Serum Average
Bloom Lab: S RBD-mutation patient serum antibody escape - average score across serum samples (patients A-K)
Mutations that confer drug resistance (Anna Niewiadomska, BV-BRC)
Recombination Breakpoints from Thurakia et al 2022
Mutations in Variants of Concern (VOC), Interest (VOI), or Under Monitoring (VUM) (configure to show more lineages)
Delta AA Muts
BA.2 AA Muts
BB.1.5 AA Muts
B.1.16 AA Muts
EG.5.1 AA Muts
JN.1 AA Muts