



S7 Fig. ORF5 proteins have features inconsistent with canonical 30K MPs. A. Alignment of ORF5 proteins with selected 30K MPs. Critical 30K MP aspartic acid residue (D) is in red. Bottom row denotes the consensus secondary structure predicted in PROMALS3D where e represents a β -strand. **B.** Charge distribution for ORF5_{CY2}, CP_{BYDV}, and MP_{OuLV} by amino acid residue position (window size = 5) analyzed in EMBOSS CHARGE version 6.6.0. Red box denotes the jelly-roll domain. Note that charged residues are concentrated in the N-terminal region of ORF5_{CY2} and CP_{BYDV} but not MP_{OuLV}.