

Figure S1. Protein sequence alignment of pestiviruses E2 proteins. Sequence alignment of BVDV1 E2 with E2 proteins from other pestiviruses. Conserved residues are drawn in red boxes, similar residues in red type. The secondary structure assignment for E2 is shown at the top. Cysteines involved in intra-chain disulfide bridges are marked by a green number and residues described in the text are marked by a star. Figure was prepared with ESPript (reference doi: 10.1093/nar/gku316).

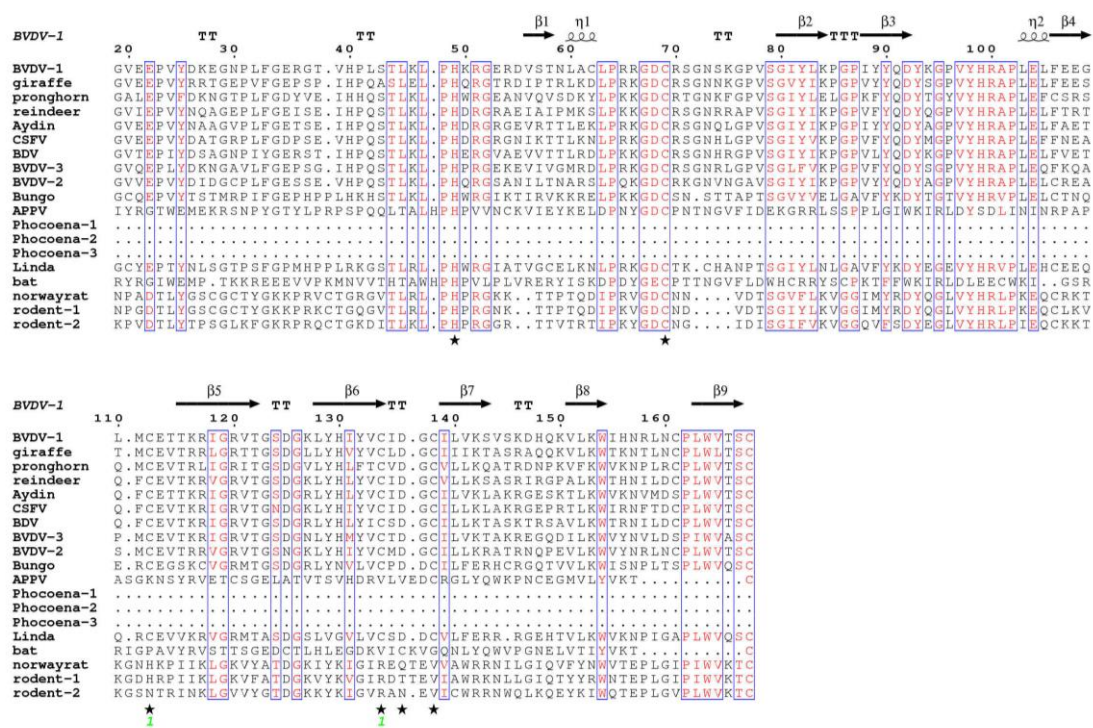


Figure S2. Protein sequence alignment of pestiviruses Npro proteins. Sequence alignment of BVDV1 Npro with Npro proteins from other pestiviruses. Conserved residues are drawn in red boxes, similar residues in red type. The secondary structure assignment for Npro is shown at the top. Cysteines involved in intra-chain disulfide bridges are marked by a green number and residues described in the text are marked by a star.

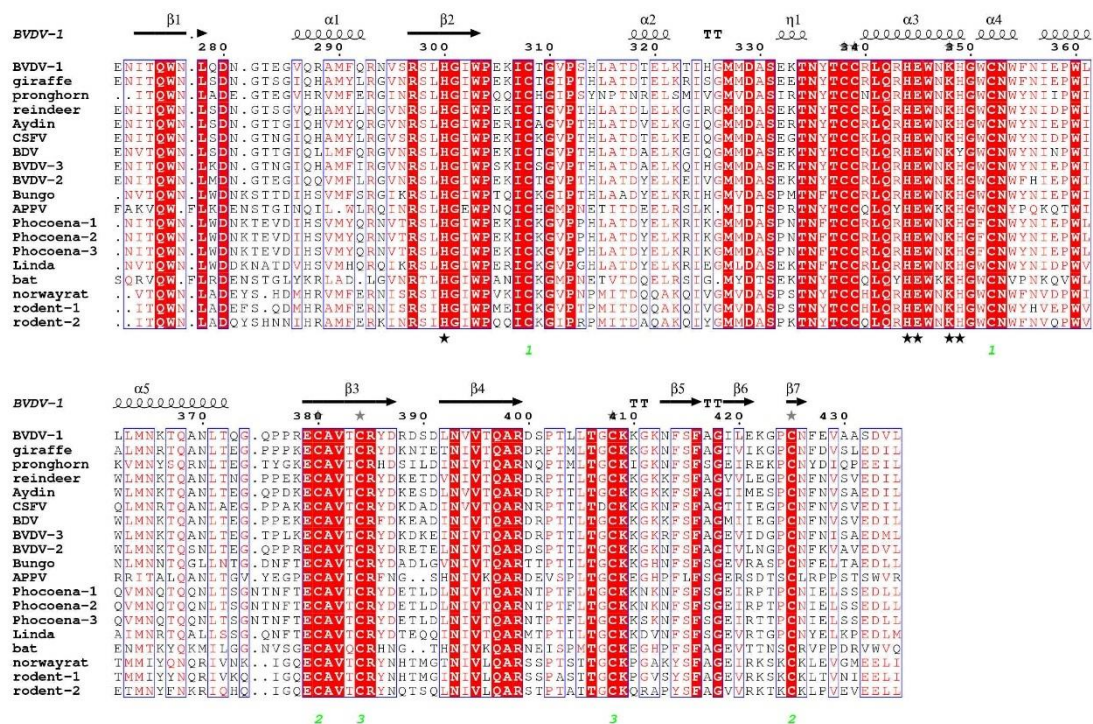
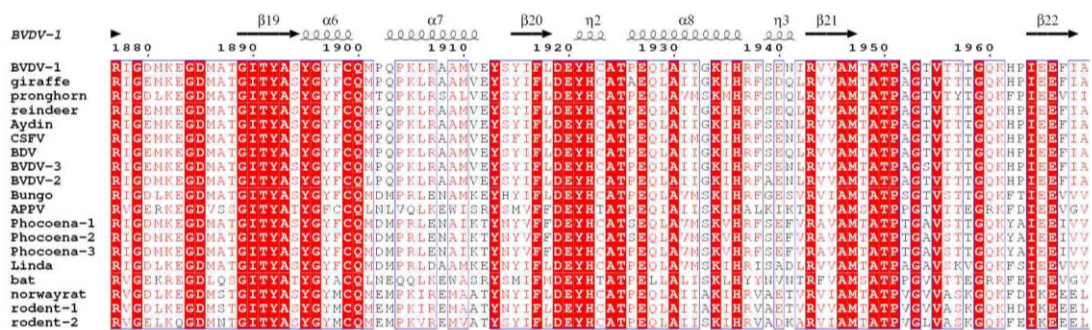
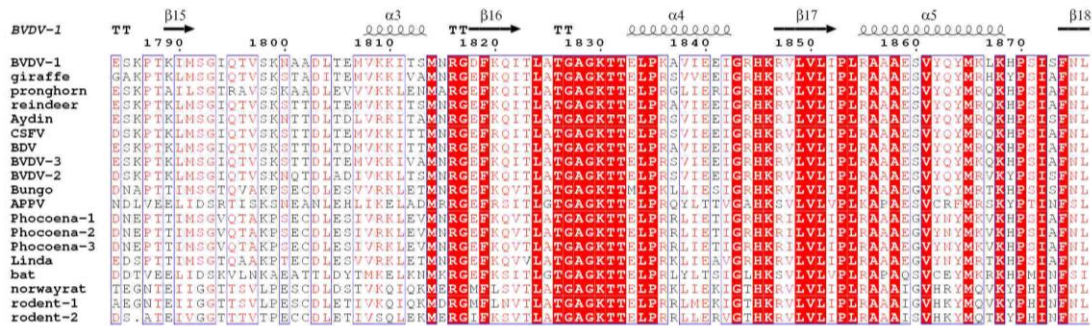
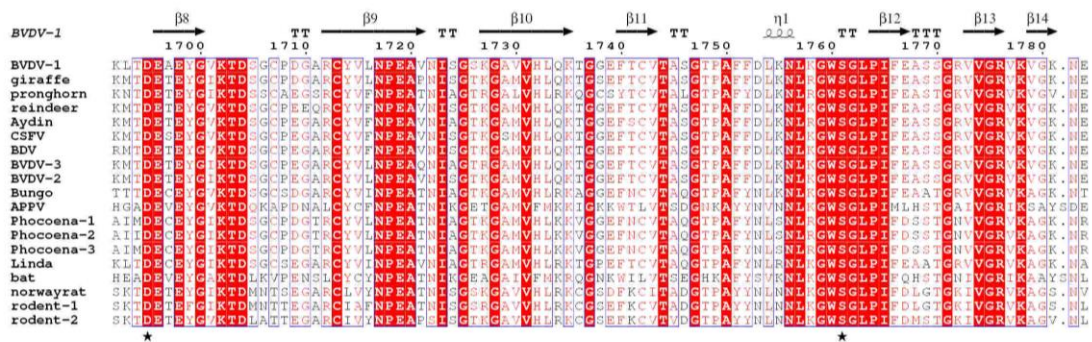
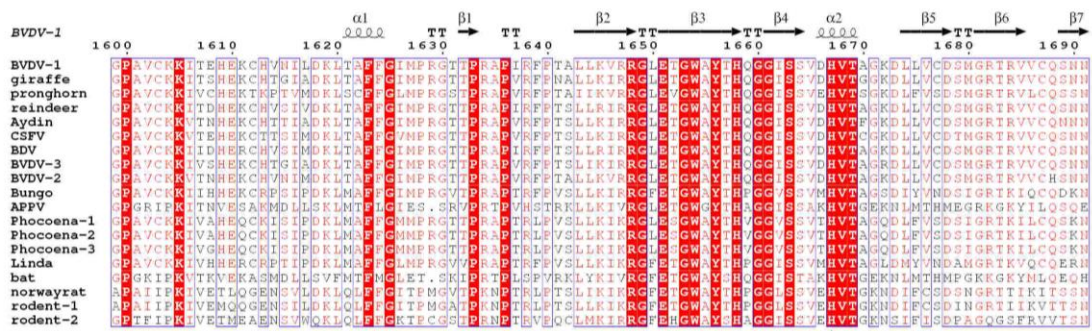


Figure S3. Protein sequence alignment of pestiviruses Ems proteins. Sequence alignment of BVDV1 Ems with Ems proteins from other pestiviruses. Conserved residues are drawn in red boxes, similar residues in red type. The secondary structure assignment for Ems is shown at the top. Cysteines involved in intra-chain disulfide bridges are marked by a green number and residues described in the text are marked by a star.



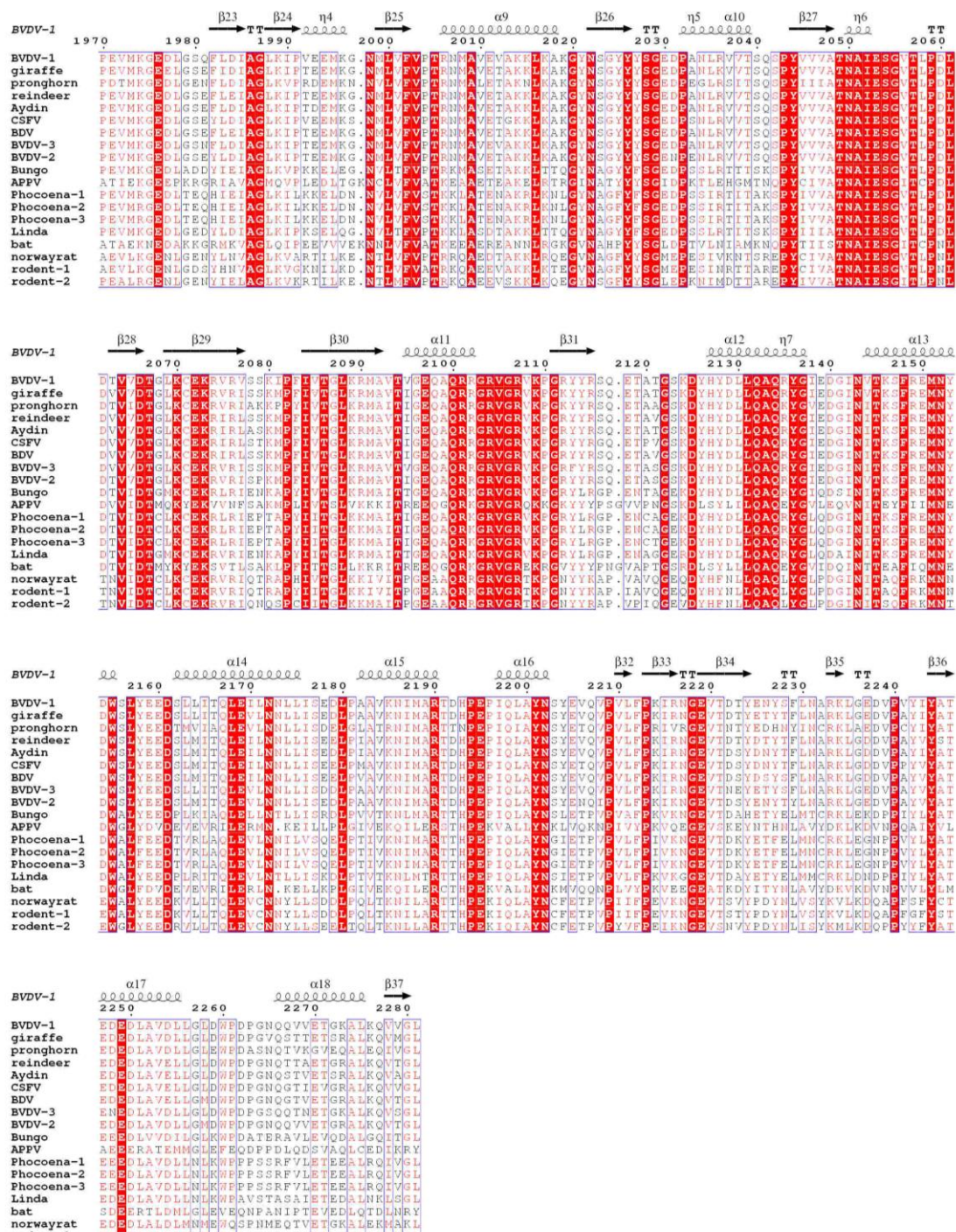
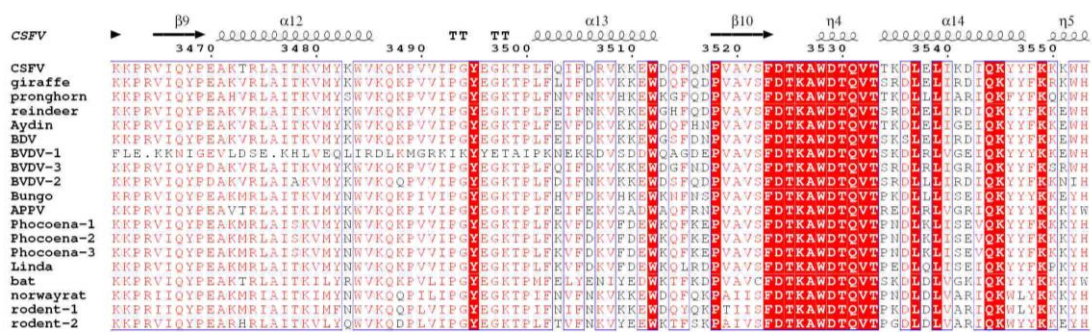
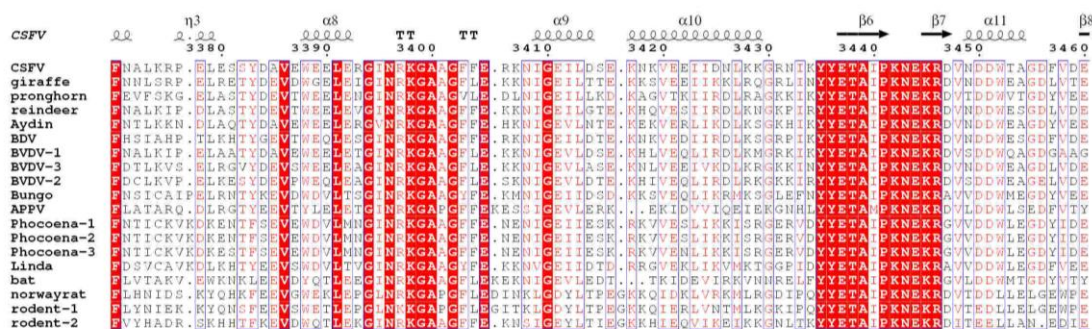
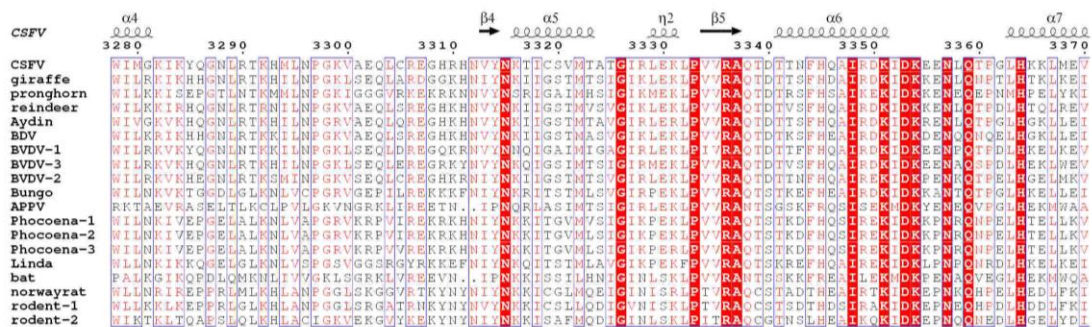
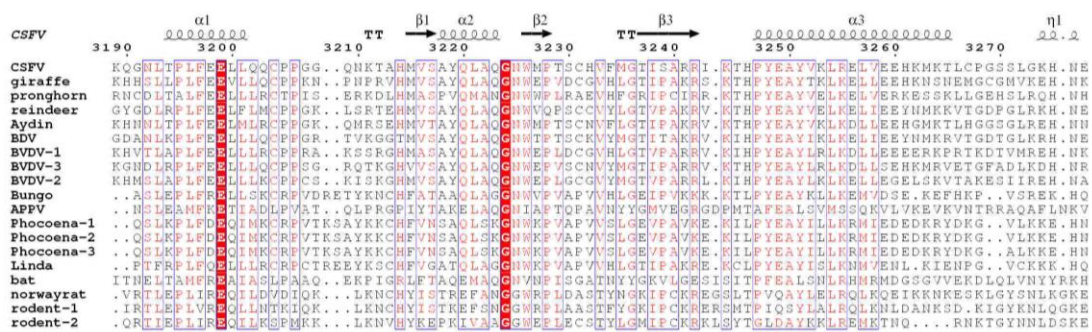


Figure S4. Protein sequence alignment of pestiviruses NS3 proteins. Sequence alignment of BVDV1 NS3 with NS3 proteins from other pestiviruses. Conserved residues are drawn in red boxes, similar residues in red type. The secondary structure assignment for NS3 is shown at the top. Cysteines involved in intra-chain disulfide bridges are marked by a green number and residues described in the text are marked by a star.



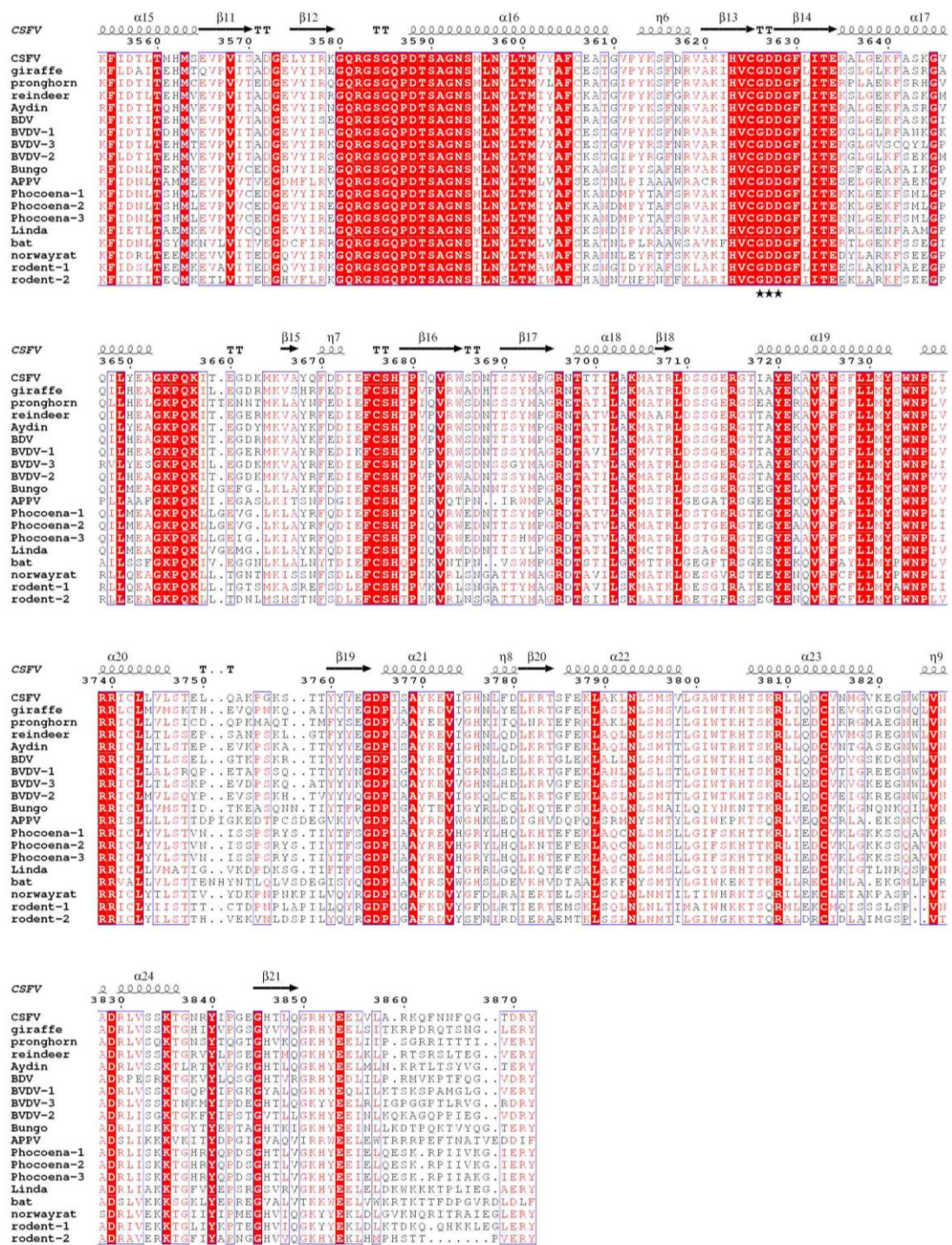


Figure S5. Protein sequence alignment of pestivirus NS5B proteins. Sequence alignment of CSFV NS5B with NS5B proteins from other pestiviruses. Conserved residues are drawn in red boxes, similar residues in red type. The secondary structure assignment for NS5B is shown at the top. Cysteines involved in intra-chain disulfide bridges are marked by a green number and residues described in the text are marked by a star.