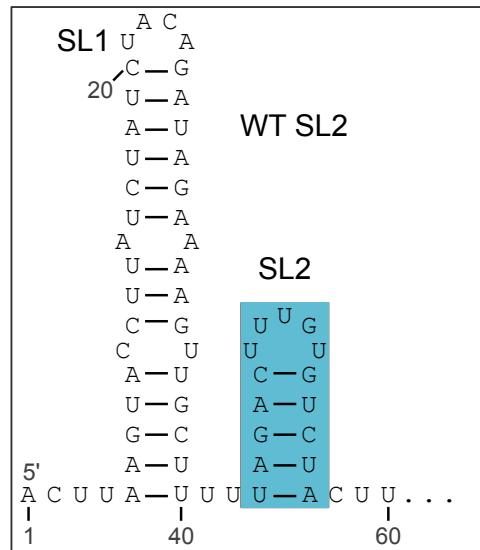
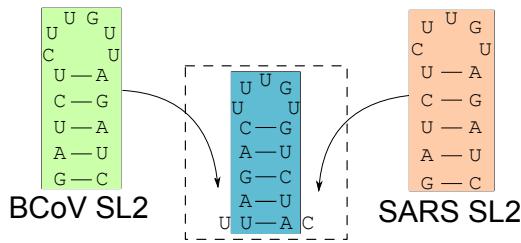


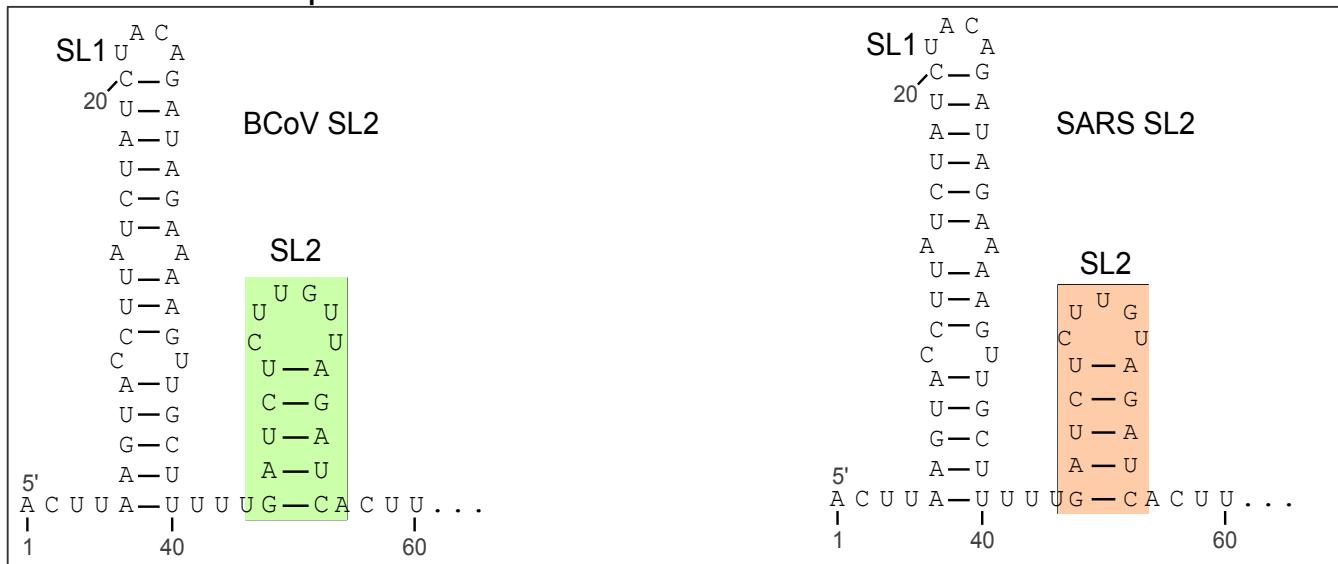
WT Sample



Loop exchange



Pooled SL2 Sample



Supplemental Figure 1 Upper: The first 60 nucleotides of the 5'-UTR of the HCoV-229E are shown with their predicted RNA secondary structure using RNAfold ([Lorenz et al. 2011](#)). **Middle:** The SL2 region of the wild type (blue box) was exchanged with the BCoV (green box) and SARS-CoV (orange box) counterpart, respectively ([Madhugiri et al. 2018](#)). **Lower:** The resulting structure after changing the SL2 region.

References

- Lorenz, R., S. H. Bernhart, C. Höner Zu Siederdissen, H. Tafer, C. Flamm, *et al.*, 2011 ViennaRNA package 2.0. *Algorithms Mol Biol* 6: 26.
- Madhugiri, R., N. Karl, D. Petersen, K. Lamkiewicz, M. Fricke, *et al.*, 2018 Structural and functional conservation of cis-acting RNA elements in coronavirus 5'-terminal genome regions. *Virology* 517: 44–55.