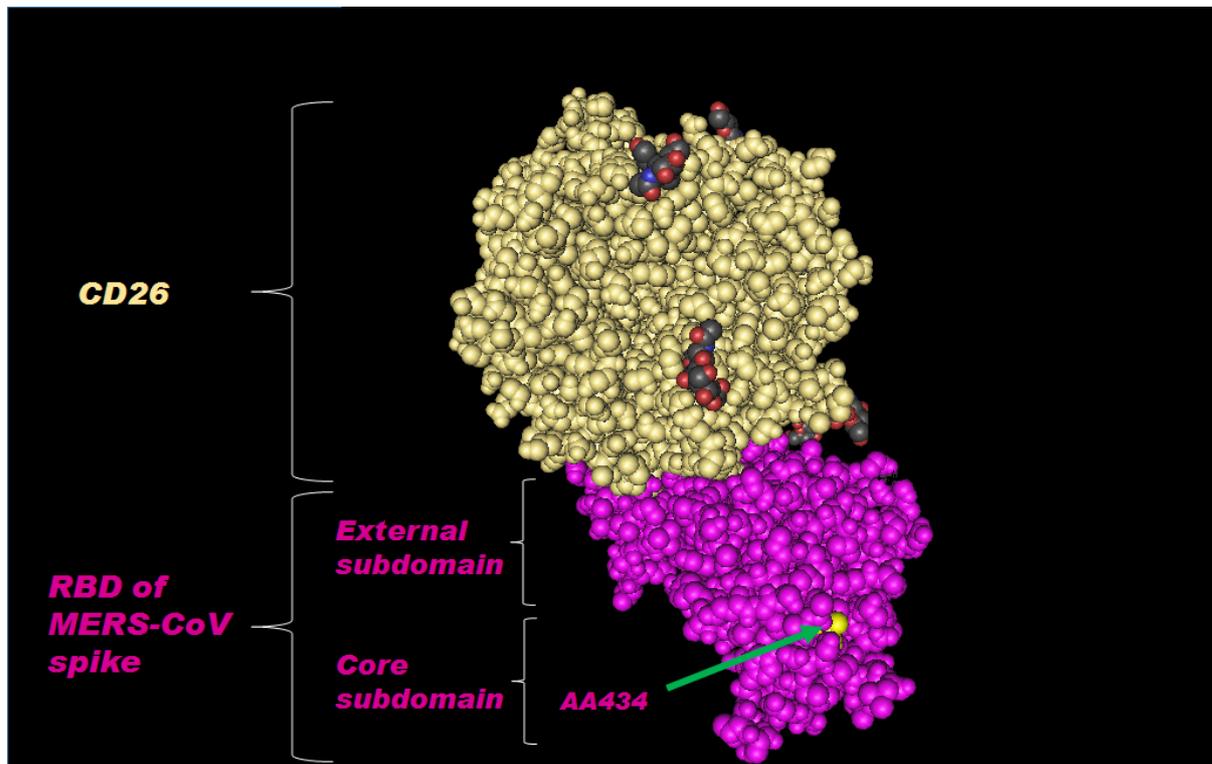


# MERS Coronaviruses in Dromedary Camels, Egypt

## Technical Appendix

The sequencing method was as follows: randomly primed cDNA products of the camel MERS-CoV were amplified into short DNA fragments ( $\approx 500$  bp) by nested PCRs. Primers were designed on the basis of human MERS-CoVs (available on request). Overlapping PCR products were sequenced with forward and reverse primers used in the corresponding nested PCR amplification. The sequences (without primer sequences) were aligned and assembled by BioEdit ([www.mbio.ncsu.edu/bioedit/page2.html](http://www.mbio.ncsu.edu/bioedit/page2.html)). The genome was sequenced  $\geq 2$  times.



Technical Appendix Figure. Structure of Middle East respiratory syndrome coronavirus (MERS-CoV) spike protein receptor binding domain (RBD) (purple) and CD26 (blond) receptor protein complex. The structure shown is modified from a published structure (PDB: 4KR0). The external subdomain of the spike protein which is responsible for binding to the receptor CD26 and the core subdomain of RBD are shown. The amino acid position which differs between dromedary camel MERS-CoV NRCE-HKU205 (AA 434S) and human MERS-CoV EMC/2012 (AA 434A) is highlighted by an arrow.