CDS-E - PIP profile Ref: HuCoV2 WH01 2019 100 HuCoV2\_WH01\_2019 ( 100 %) BtRaTG13\_2013\_Yunnan (99.6 %) PnGu1\_2019 ( 99.1 %) 90 BtZC45 (98.7 %) BtZXC21 (98.7%) PIP (100 bp-averaged) BtYu-RmYN02\_2019 ( 98.7 %) 80 PnGX-P1E\_2017 (97.4 %) PnGX-P2V\_2018 (97.4 %) BtRs4874 (95.6%) 70 BtYN2013 (95.6%) BtHKU3-12 (95.2%) BtGX2013 (94.7%) 60 Cv007-2004 (94.7 %) HuSARS-Frankfurt-1\_2003 (94.7 %) BtYN2018B (94.3 %) 50 BtBM48-31 (90.8 %) 40 30 50 100 150 200 250 300 Position