

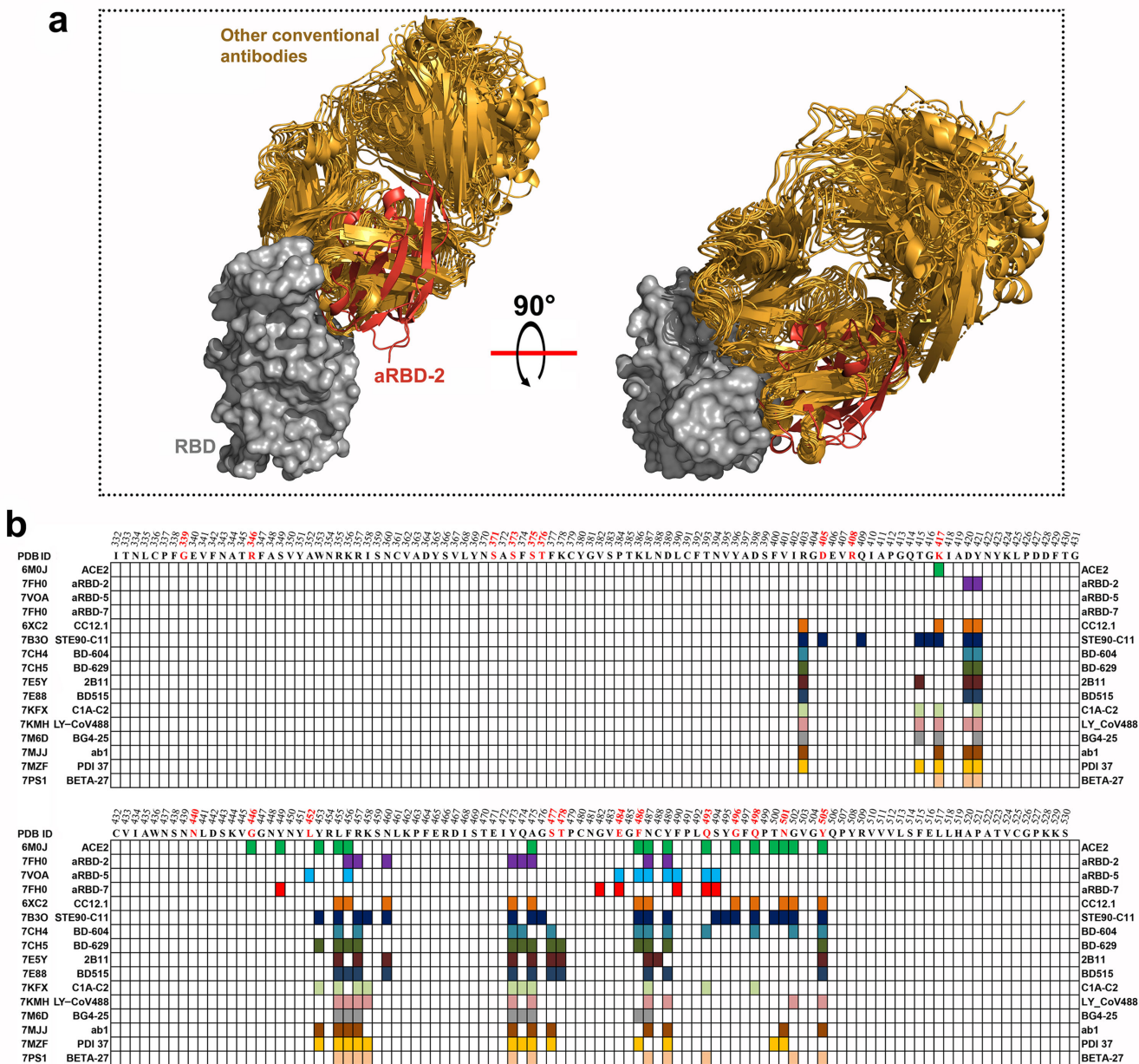


Fig. S5 Epitope comparison between aRBD-2 and some conventional antibodies that cover the aRBD-2 binding epitope. a The structural alignment of aRBD-2 bound to RBD and the conventional antibodies bound to RBD. **b** The comparison of RBD contact residues. The colored squares indicate the RBD residues contact with ACE2, our Nbs and the conventional antibodies, and the residues in red are mutated in Omicron BA.1, BA.1.1, BA.2, BA.3, BA.4 and BA.5.