

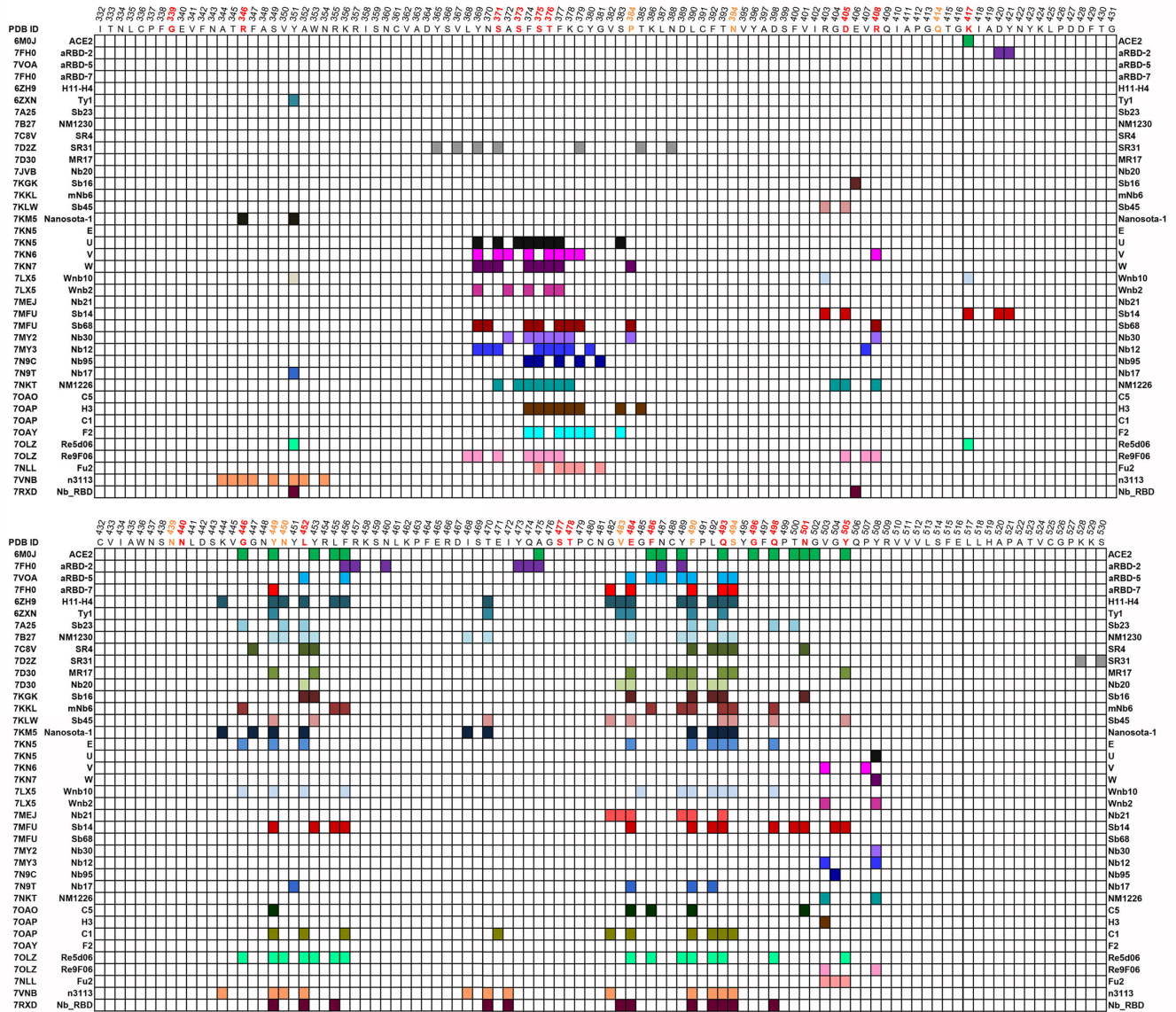


Fig. S4 The RBD residues contact with aRBD-2, aRBD-5, aRBD-7 and other previously reported Nbs. The colored squares indicate the RBD residues contact with ACE2 or each Nbs. The residues in red are mutated in Omicron BA.1, BA.1.1, BA.2, BA.3, BA.4 and BA.5, and the residues in brown are mutated in some of other VOCs, VOIs or VUMs.