

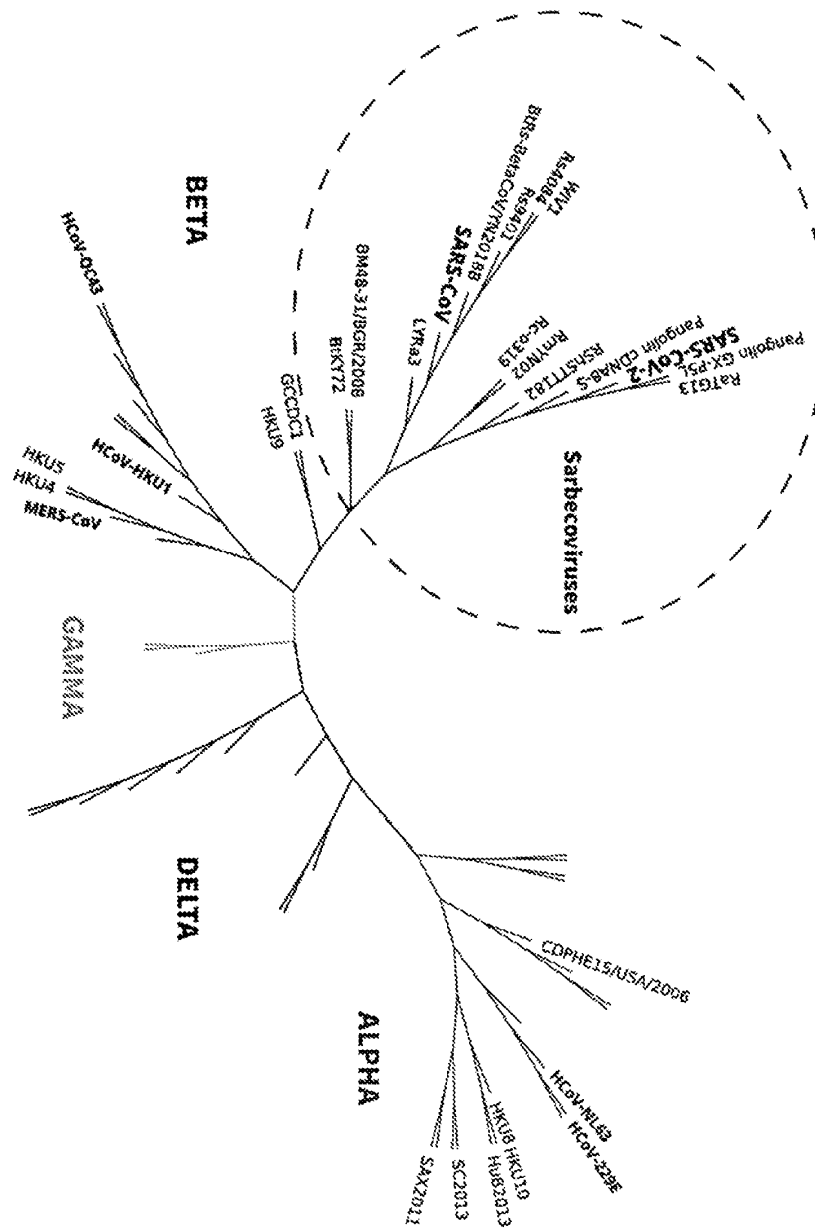


Figure 1

	RBD protein	Spike protein
Consensus 1	SEQ ID NO:4	SEQ ID NO:1 SEQ ID NOs:23-35
Consensus 1.1	SEQ ID NOs: 77-163 (303-571 amino acid)	SEQ ID NOs: 77-163
Consensus 1.2	SEQ ID NO:4 SEQ ID NOs: 53-62	SEQ ID NO:1 SEQ ID NOs:23-35
Consensus 1.25	SEQ ID NO:4 SEQ ID NOs:53-62 SEQ ID NOs:63-65	SEQ ID NO:1 SEQ ID NOs:23-35 SEQ ID NOs:36-38
Consensus 2	SEQ ID NO:7 SEQ ID NOs:66-74	SEQ ID NO:2 SEQ ID NOs:39-50
Consensus 2.1	SEQ ID NO:7	SEQ ID NO:2 SEQ ID NOs:39-50
Consensus 2.5	SEQ ID NO:7 SEQ ID NOs:66-74 SEQ ID NOs:75-76	SEQ ID NO:2 SEQ ID NOs:39-50 SEQ ID NOs:51-52
Consensus 3.5	SEQ ID NO:4 SEQ ID NOs:53-62 SEQ ID NOs:63-65 SEQ ID NO:7 SEQ ID NOs:66-74 SEQ ID NOs:75-76	SEQ ID NO:1 SEQ ID NOs:23-35 SEQ ID NOs:36-38 SEQ ID NO:2 SEQ ID NOs:39-50 SEQ ID NOs:51-52

Figure 2

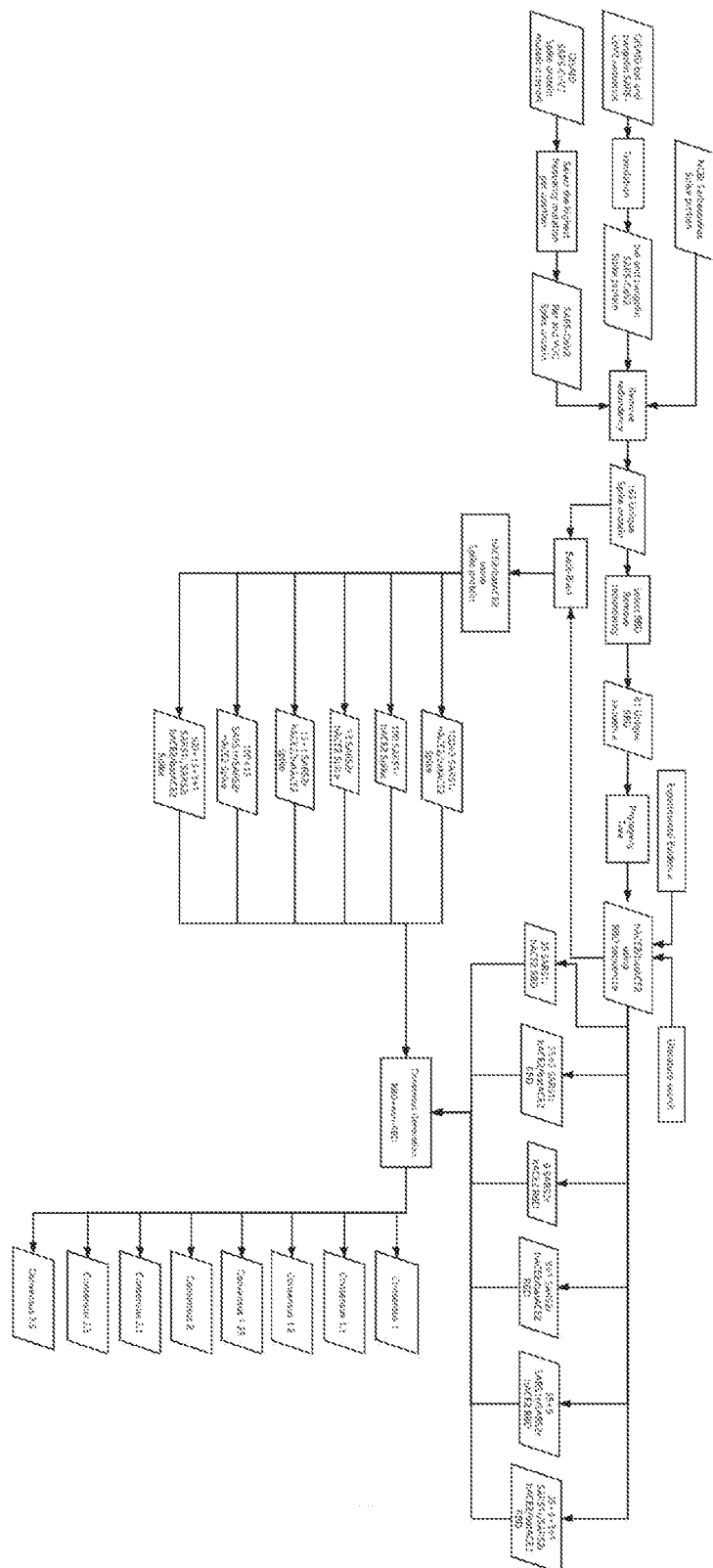
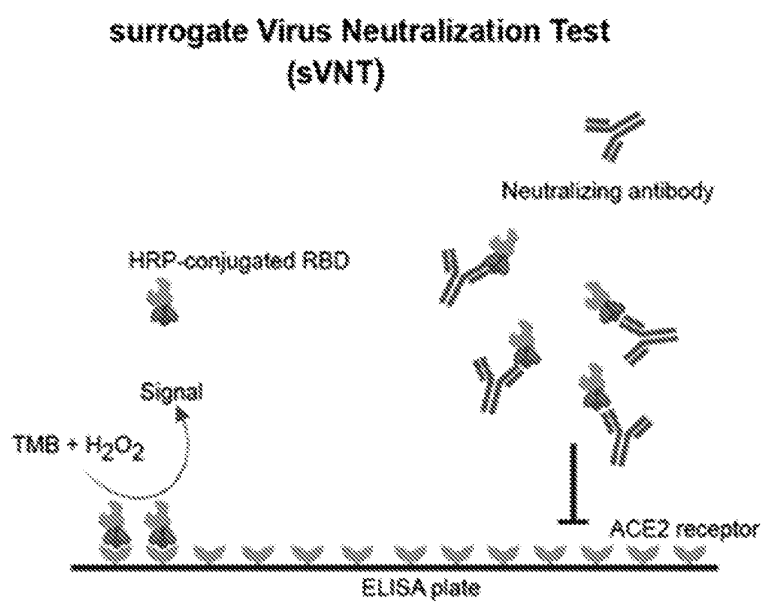


Figure 3

**Figure 4**

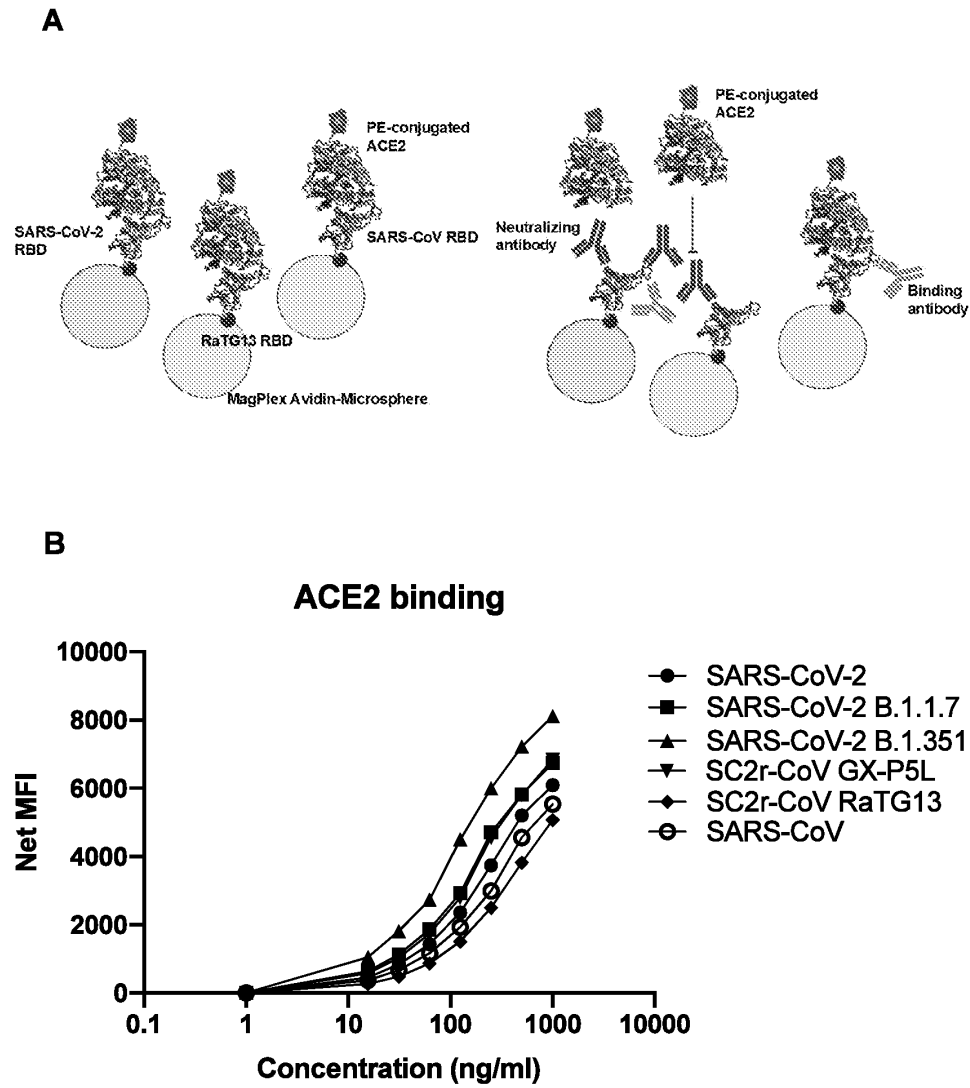


Figure 5

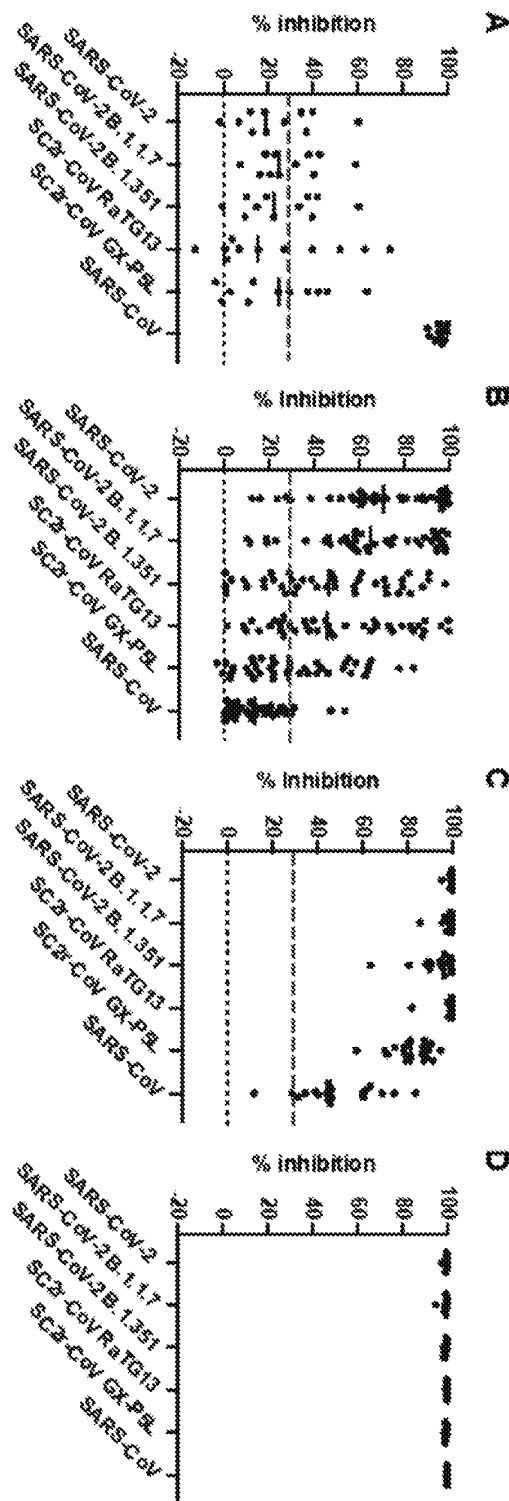


Figure 6

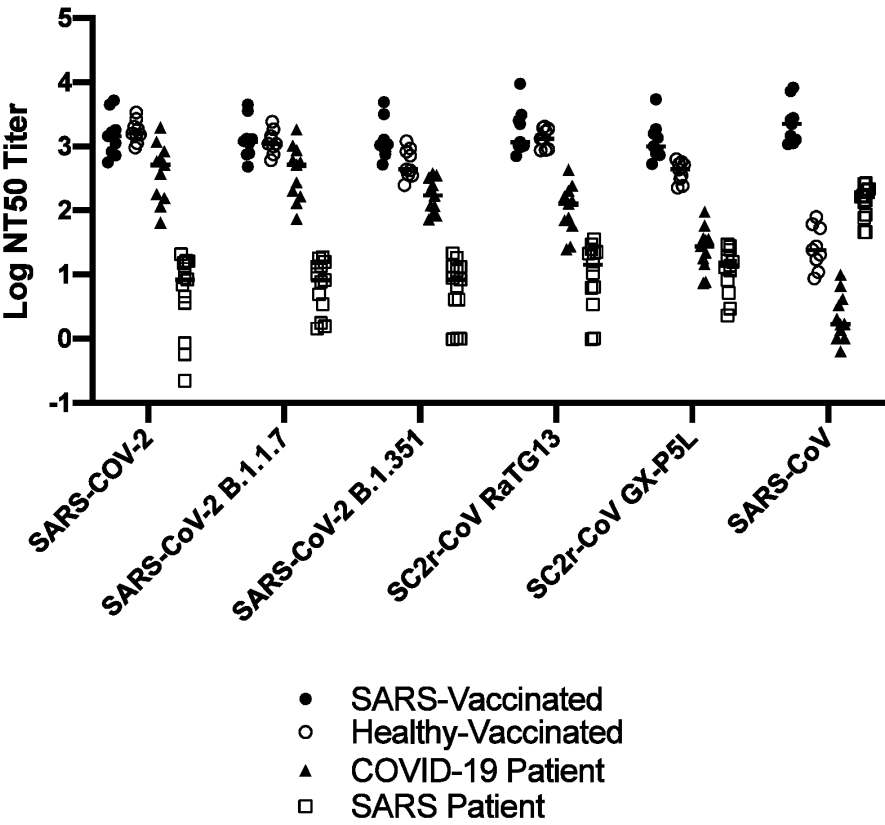
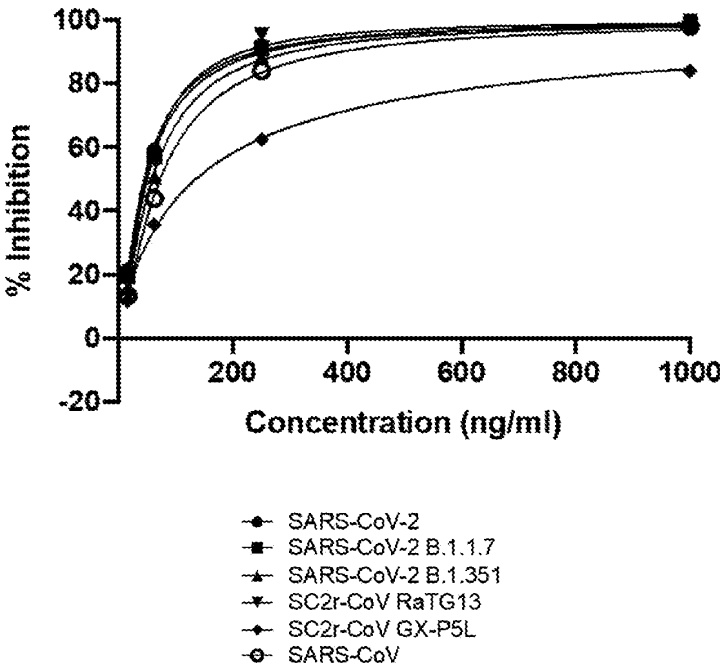


Figure 7

A



B

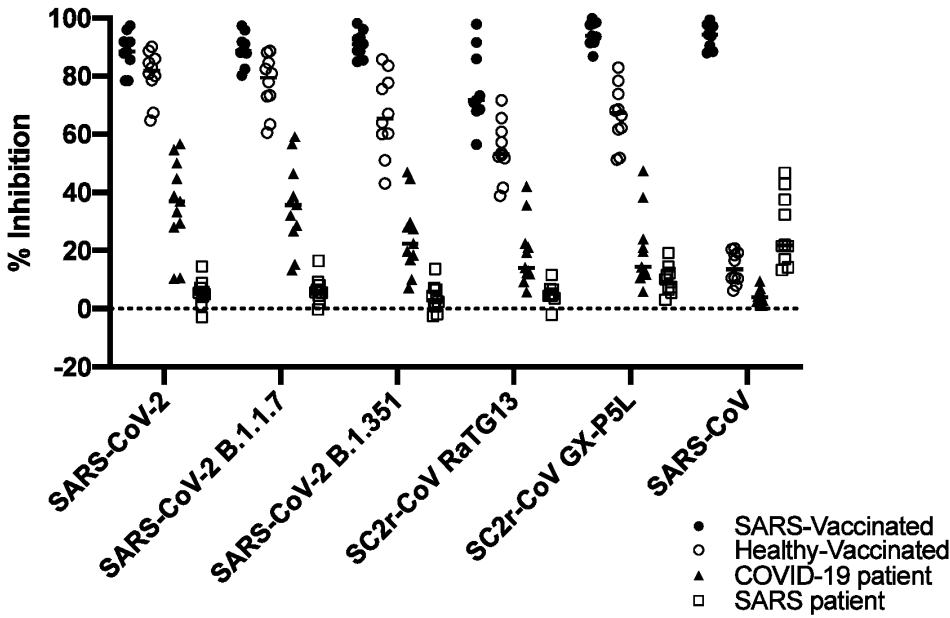


Figure 8

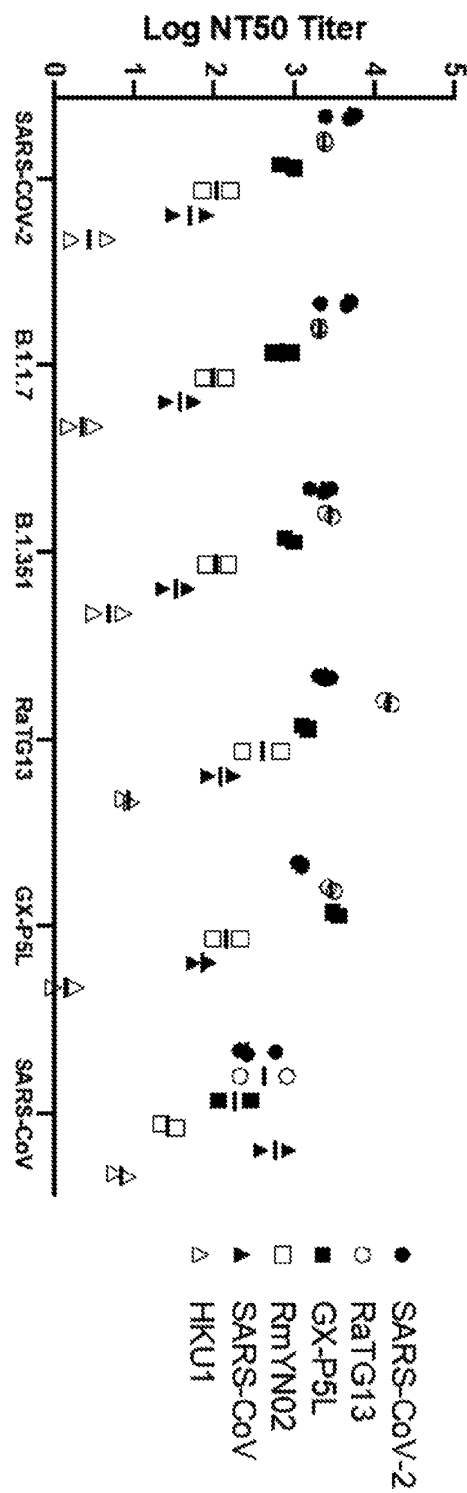


Figure 9

Figure 10

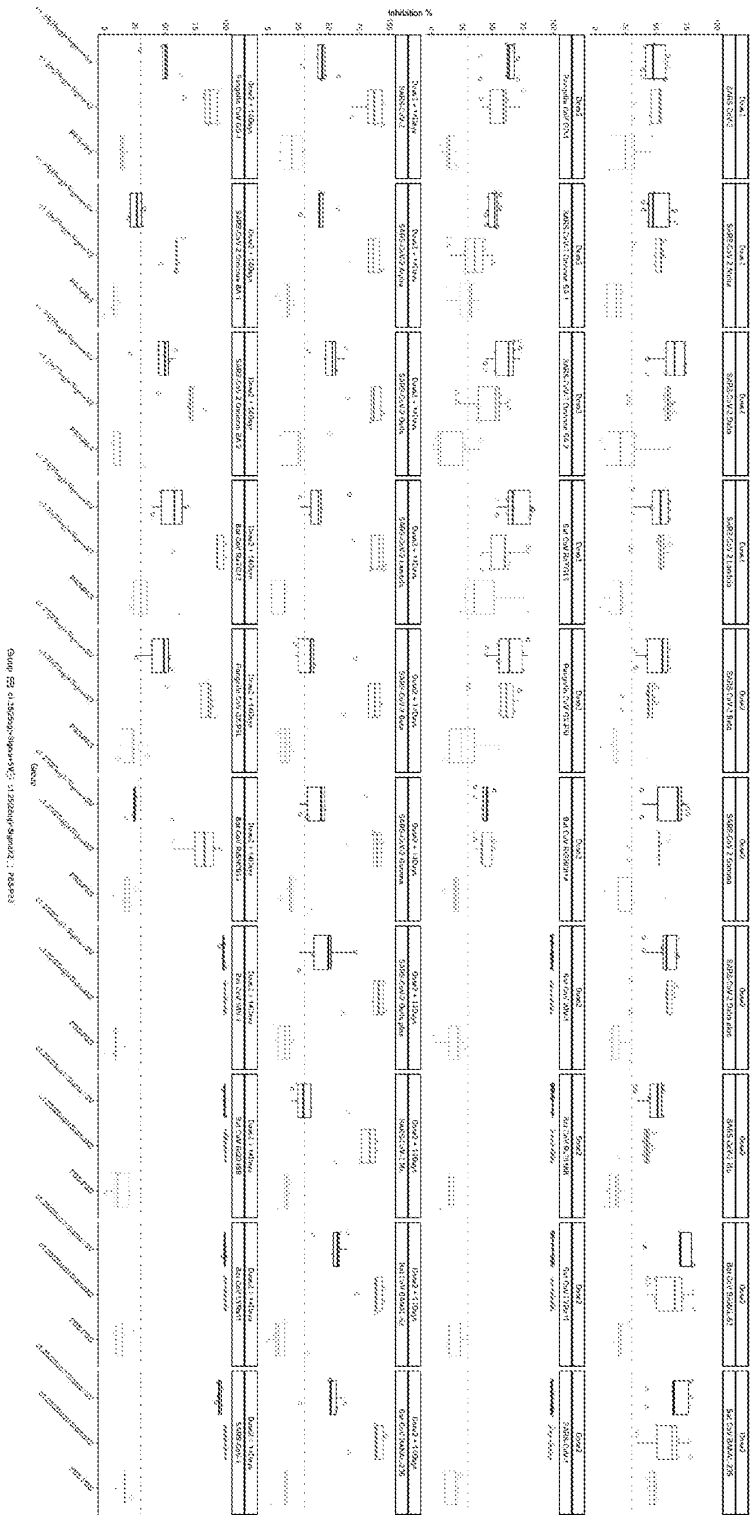
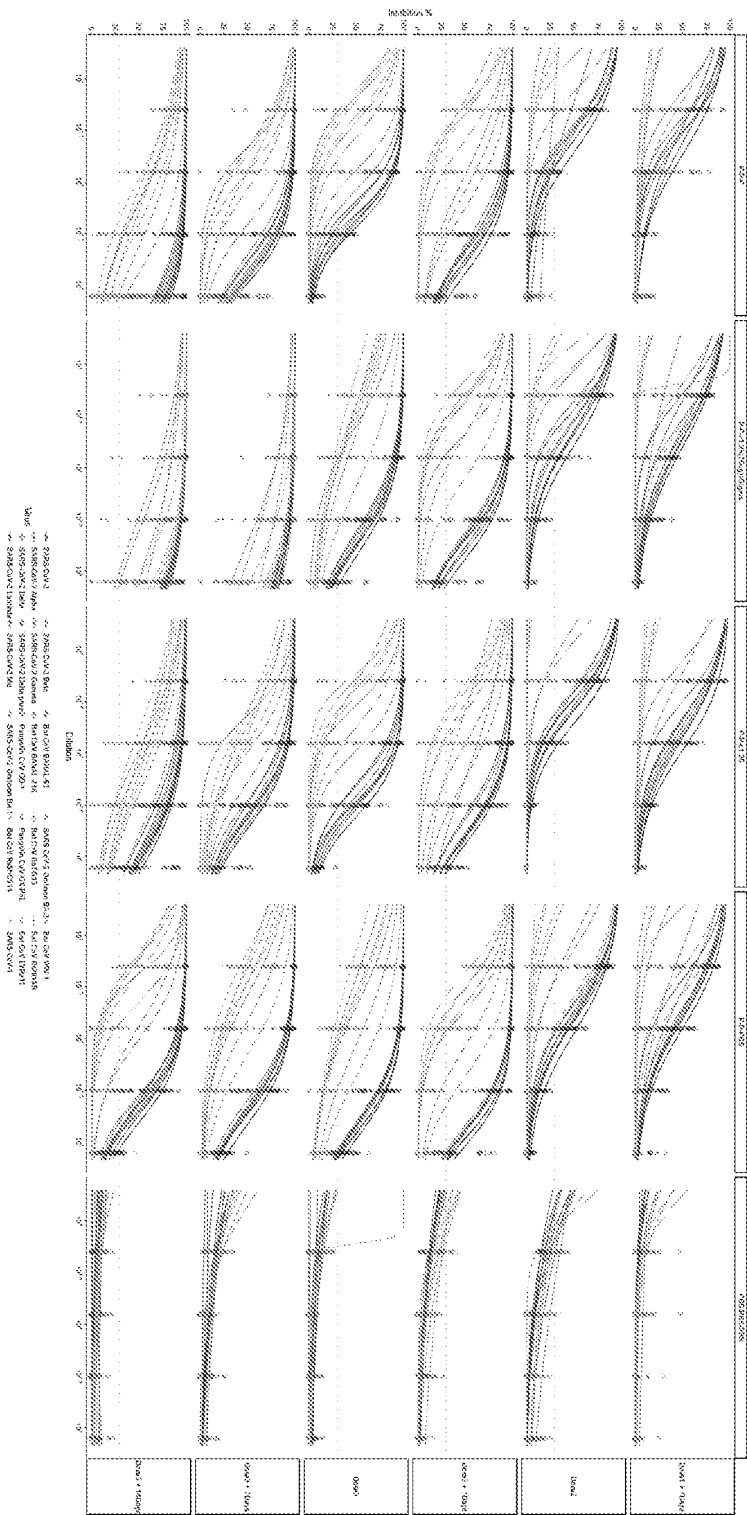




Figure12



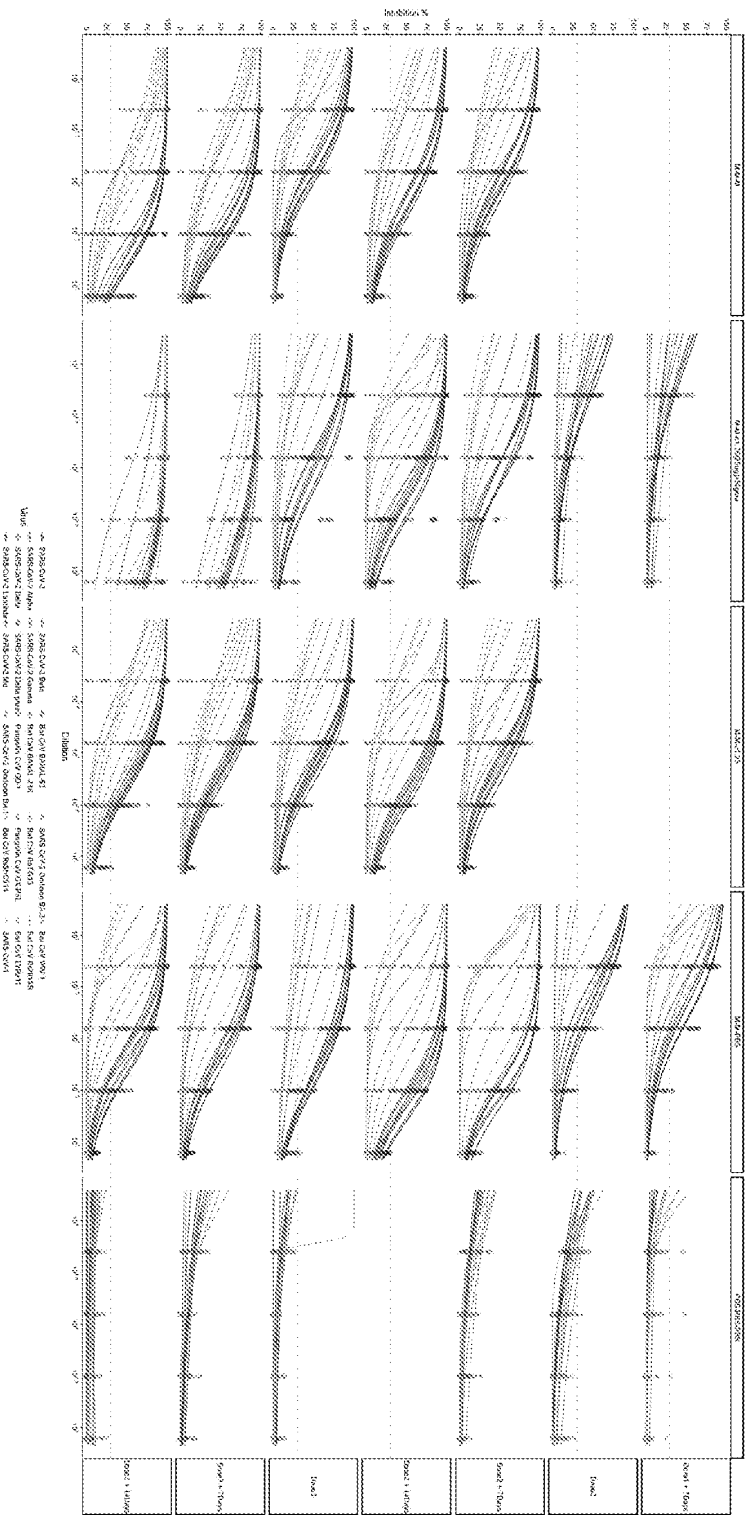


Figure 13

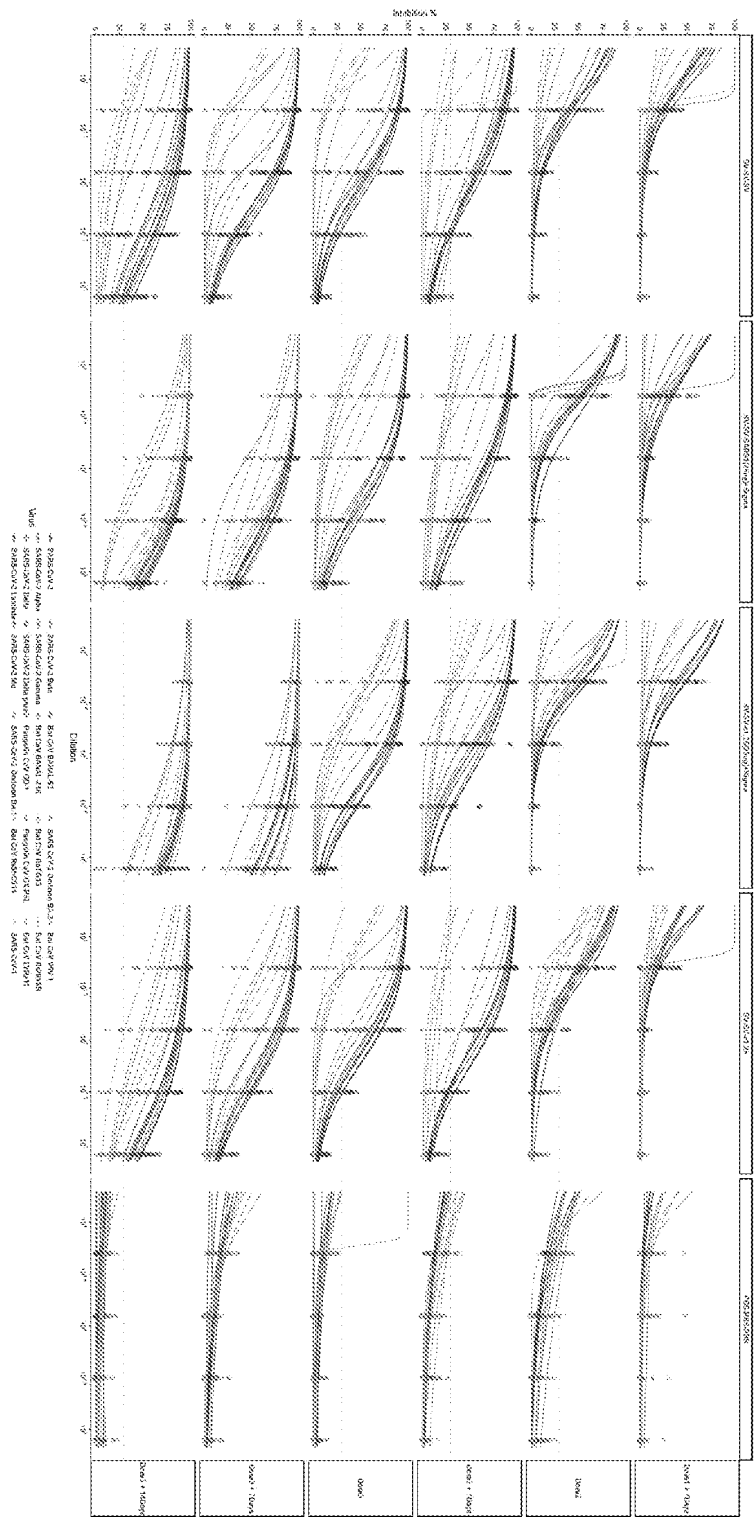


Figure 14