



Fig. S1. Omicron RBD protein expression by mRNAs in HEK-293T cells. HEK-293T cells were transfected with 18 optimized mRNAs (5 $\mu\text{g}/\text{well}$), and the expression of Omicron RBD was measured by ELISA 15 h after transfection. The red dashed lines indicate the detection limit of the assay. Data are shown as mean \pm SEM and analyzed using one-way ANOVA with multiple comparisons tests (**** $P < 0.0001$).