

SUPPLEMENTARY INFORMATION

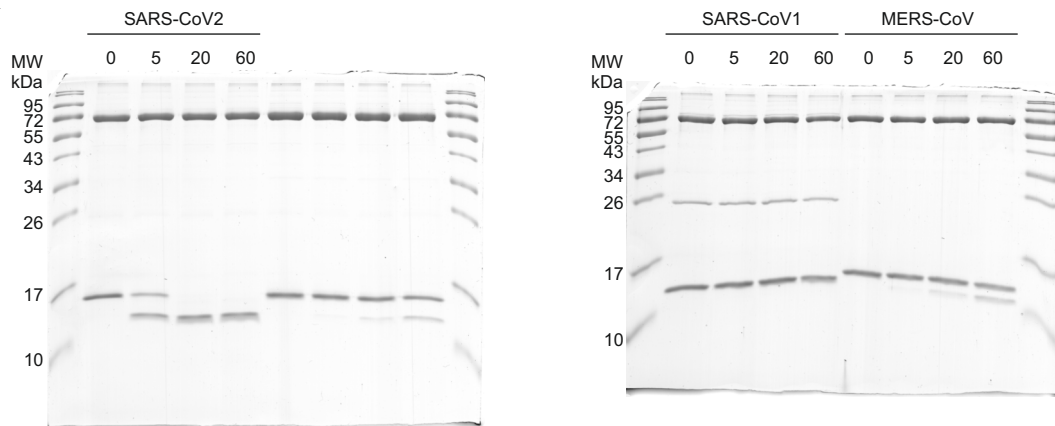
The sequence at Spike S1/S2 site enables cleavage by furin and phosphoregulation in SARS-CoV2 but not in SARS-CoV1 or MERS-CoV

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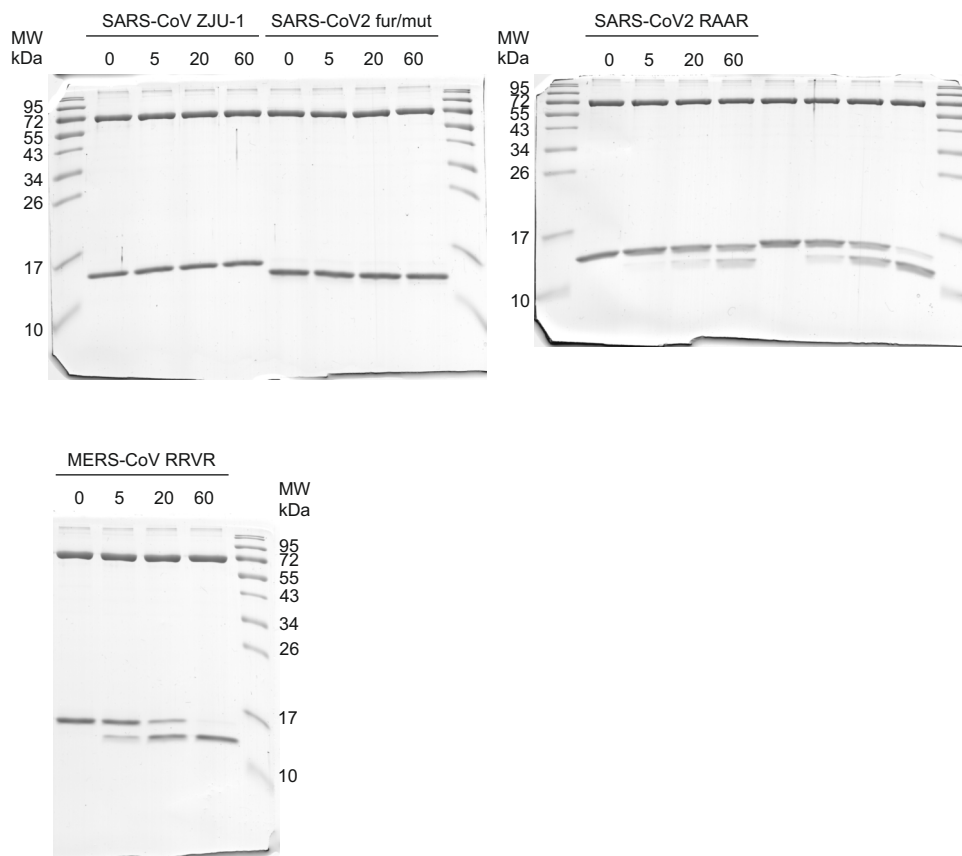
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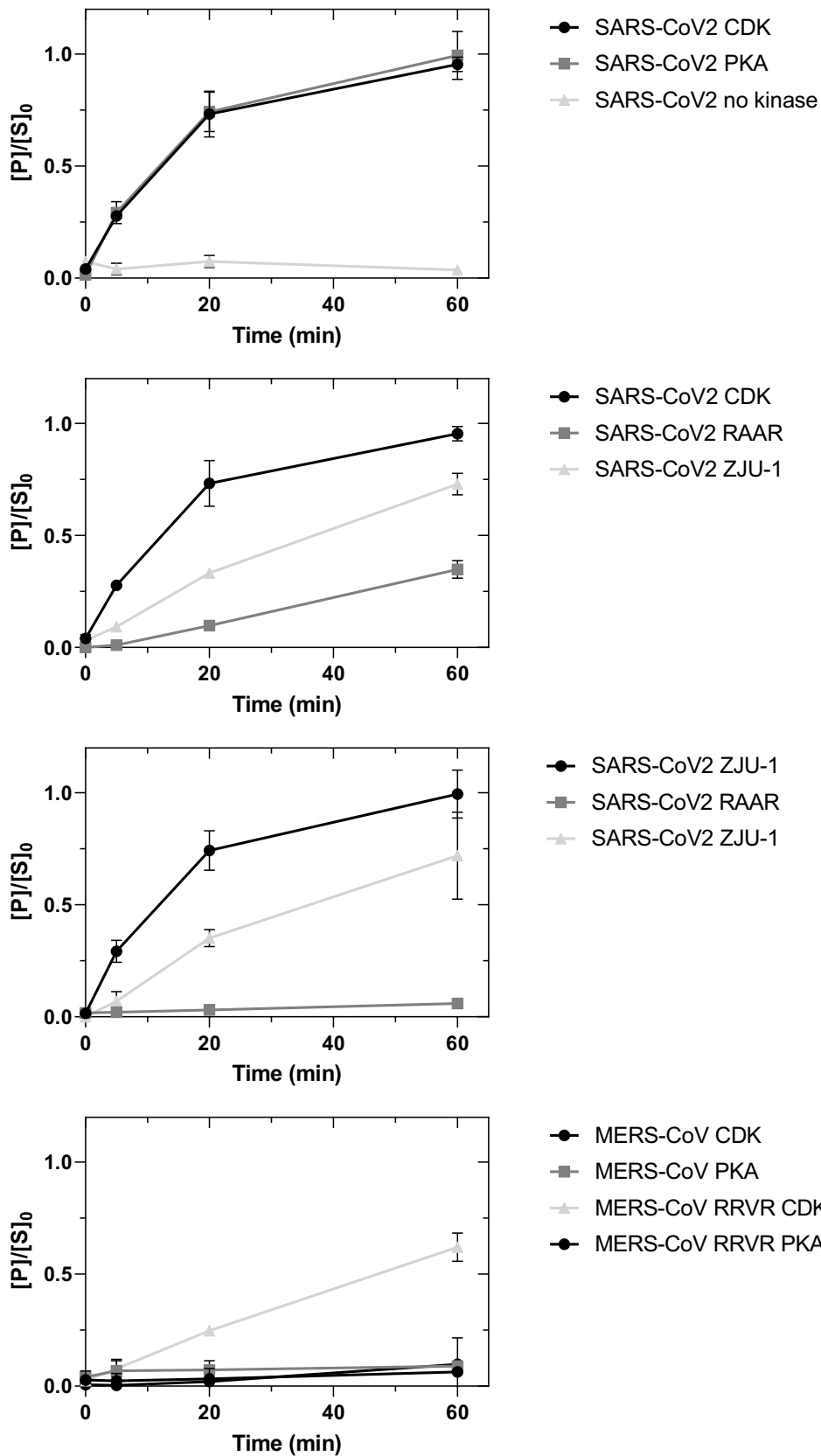
a



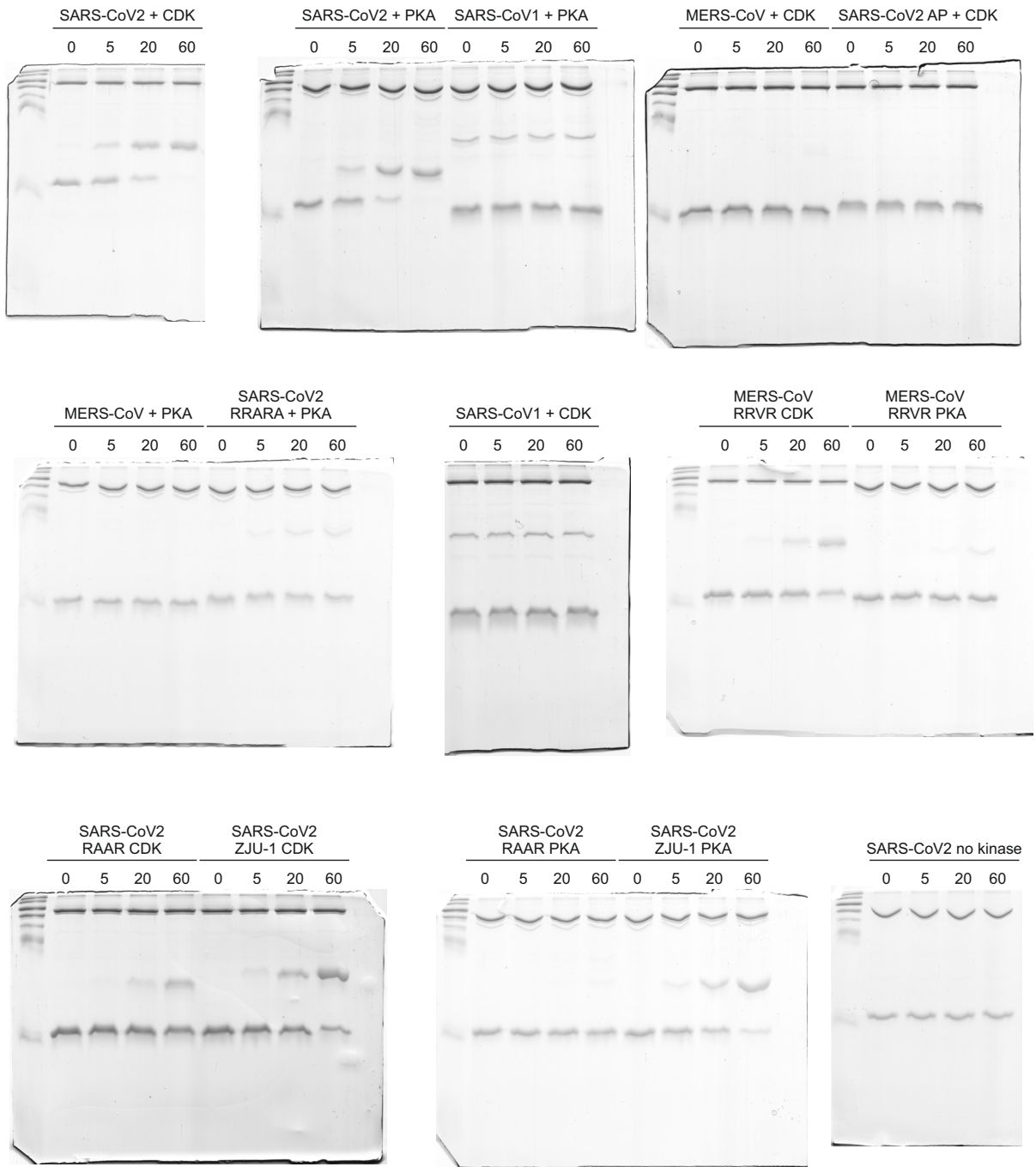
b



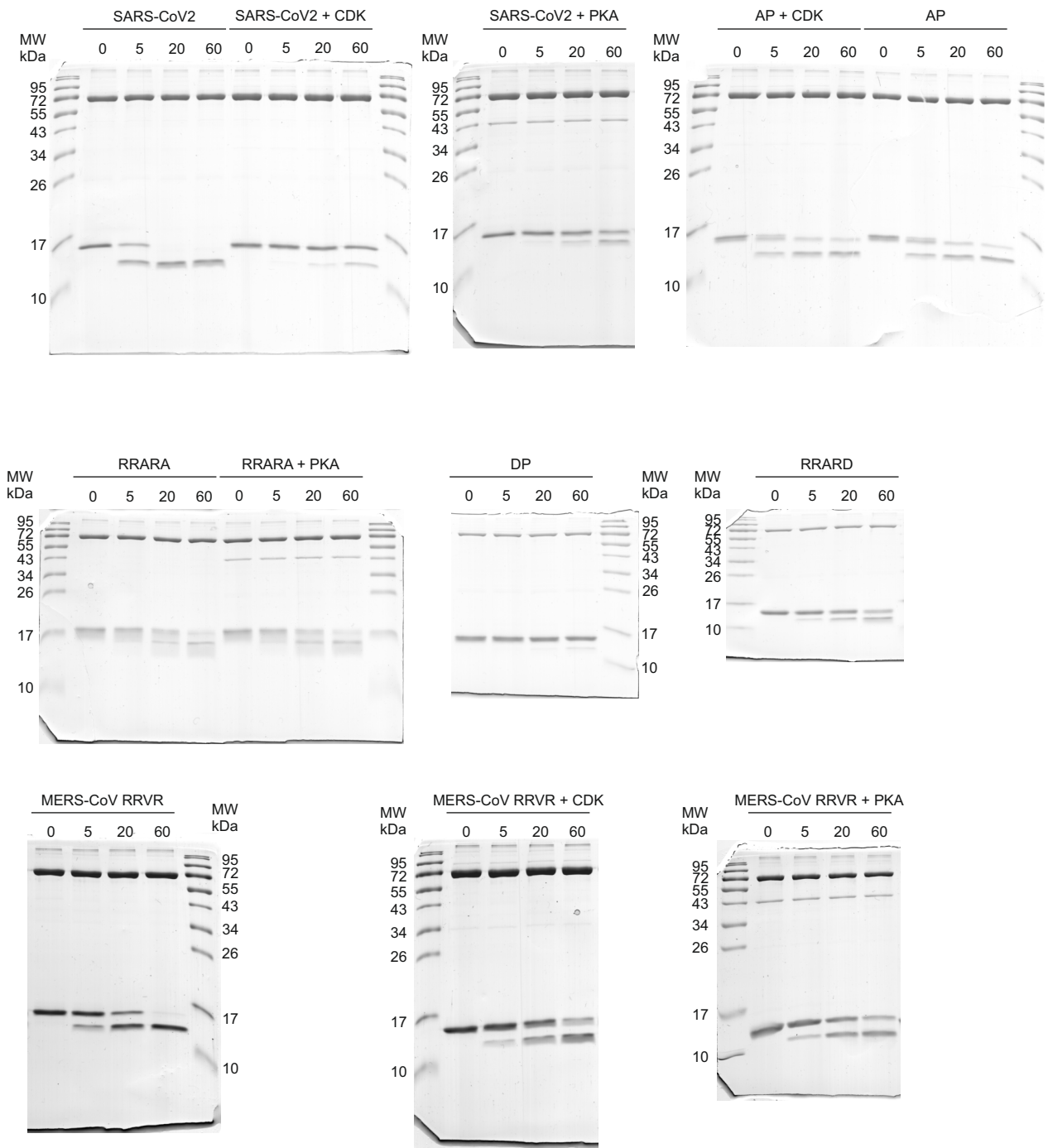
Supplementary Figure 1. Uncropped gels of Figure 1 (a) and Figure 2 (b).



Supplementary Figure 2. Phosphorylation of SARS-CoV2 and MERS-CoV S1/S2 sites *in vitro*. The plots show accumulation of phosphorylated form of the indicated S1/S2-GB1 reporter protein in phosphorylation assays presented in Figure 3. The plots show relative abundance of phosphorylated form ($[P]$) compared to non-phosphorylated form at $t=0$ ($[S]_0$). Error bars show standard deviation.



Supplementary Figure 3. Uncropped gels of Figure 3.



Supplementary Figure 4. Uncropped gels of Figure 4.