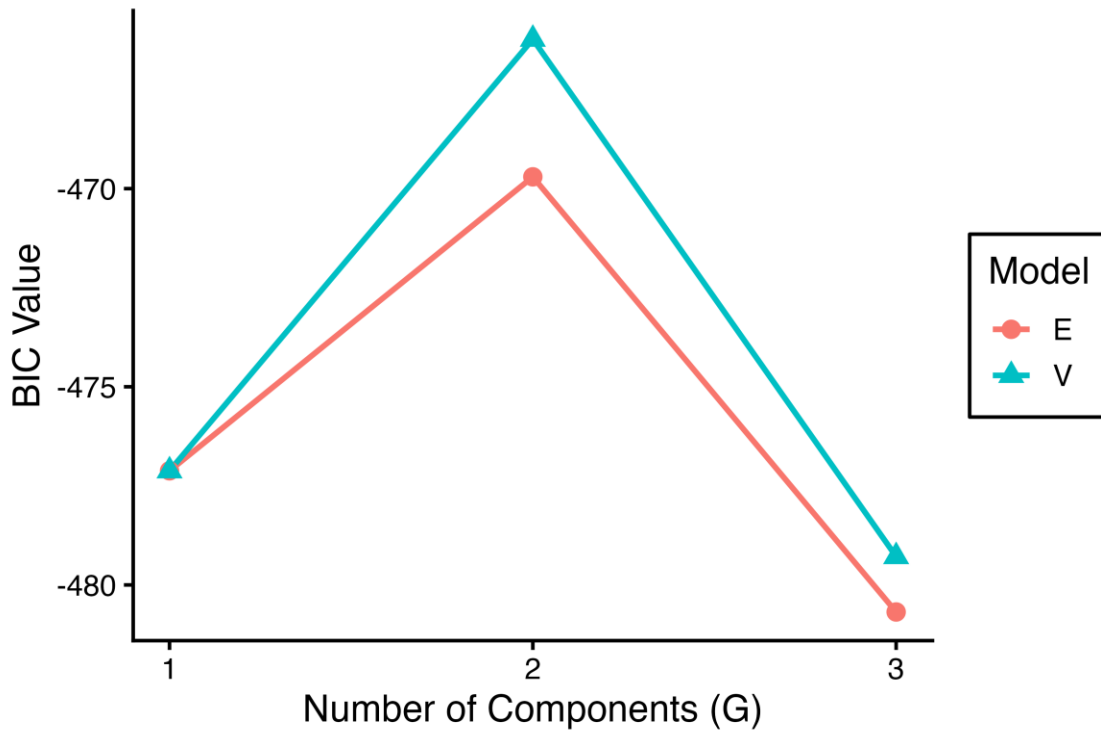


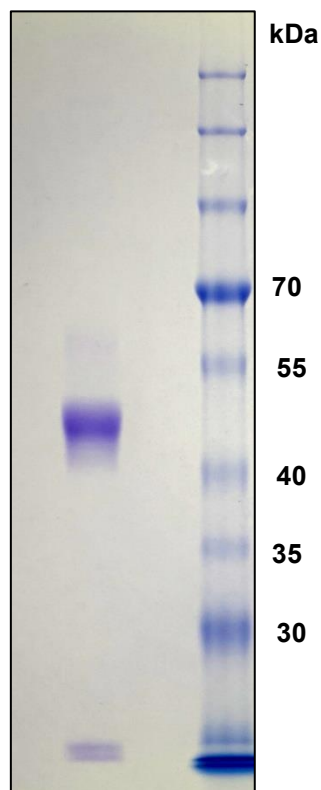
Supplementary Figure 1



Supplementary Figure1. Bayesian Information Criterion (BIC) Values for Gaussian Mixture Models Fitted to Log10-Transformed RSV IgG Concentrations in 2019. This plot displays the BIC values for various Gaussian Mixture Models (GMMs) fitted to the 2019 data, ranging from 1 to 3 components (G). Different line types within each G group represent various covariance structures. The model with the highest BIC value (peak of the curve) indicates the optimal number of components and model configuration that best describes the data.

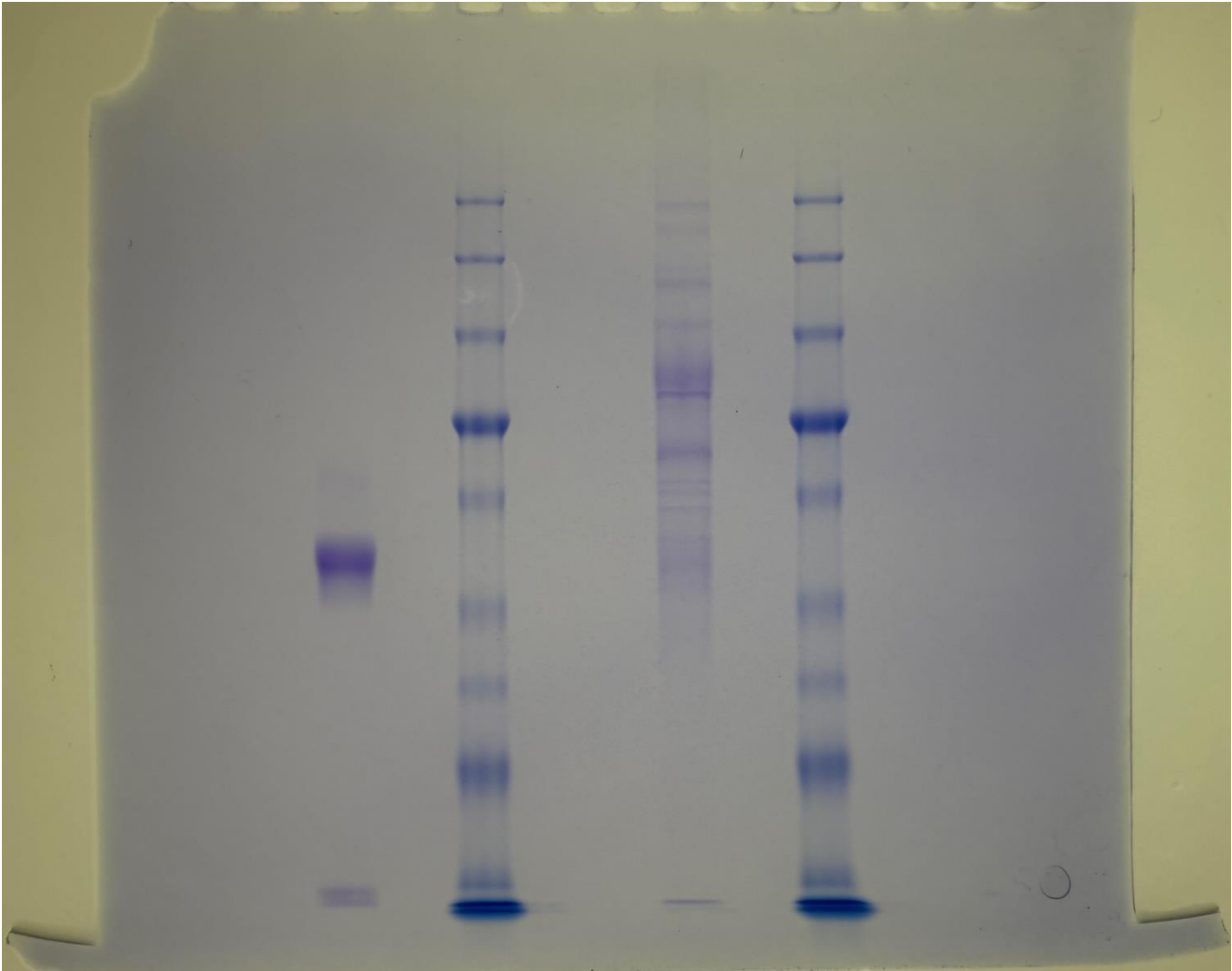
Supplementary Figure 2

DS-CaV1-foldon-6xhis



Supplementary Figure 2. Purity of DS-CaV1-Foldon-6xHis by SDS-Polyacrylamide Gel Electrophoresis (PAGE).

Two micrograms of purified DS-Cav1-Foldon-6xHis protein were separated on a 10% SDS-PAGE gel and visualized using Coomassie Brilliant Blue (CBB) staining. Molecular weight markers are indicated on the left side of the gel. The image is a composite of cropped lanes from a single gel, and the uncropped gel image can be found in the Supplementary Information file.



Supplementary Information. Full-length gel from which Supplementary Figure 2 was cropped .