

- We observed a **small performance deterioration** when the direct methods were presented with **AlphaFold2 models** and **homology models with high sequence identity**, compared with the baseline (a).
- There is a **large performance drop** when using **homology models with low sequence identity** as inputs.
- The **scoring functions** may **not be suitable** to estimate the effect of mutation on protein-ligand binding affinity changes (b).