

★ Misses inter-sequence contexts

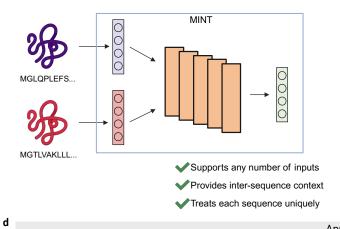
XInfeasible for 2+ sequences

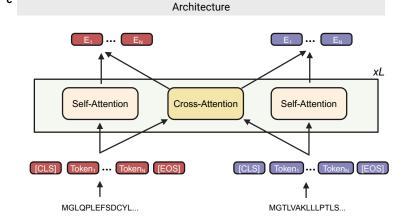
Legend Input tokens MGLQPLEFS... MGTLVAKLLL... PLM Output Embeddings *Treats multiple inputs as a single sequence

Existing PLMs

b Our approach

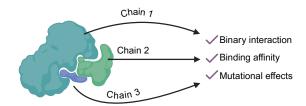
MGTLVAKLLL..



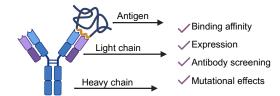


Applications of MINT

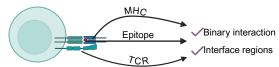
General protein complex interactions



Antibody binding



TCR-Epitope-MHC interactions



Effect of mutations on oncogenic PPIs



Cross-neuralization of SARS-CoV-2 variants

