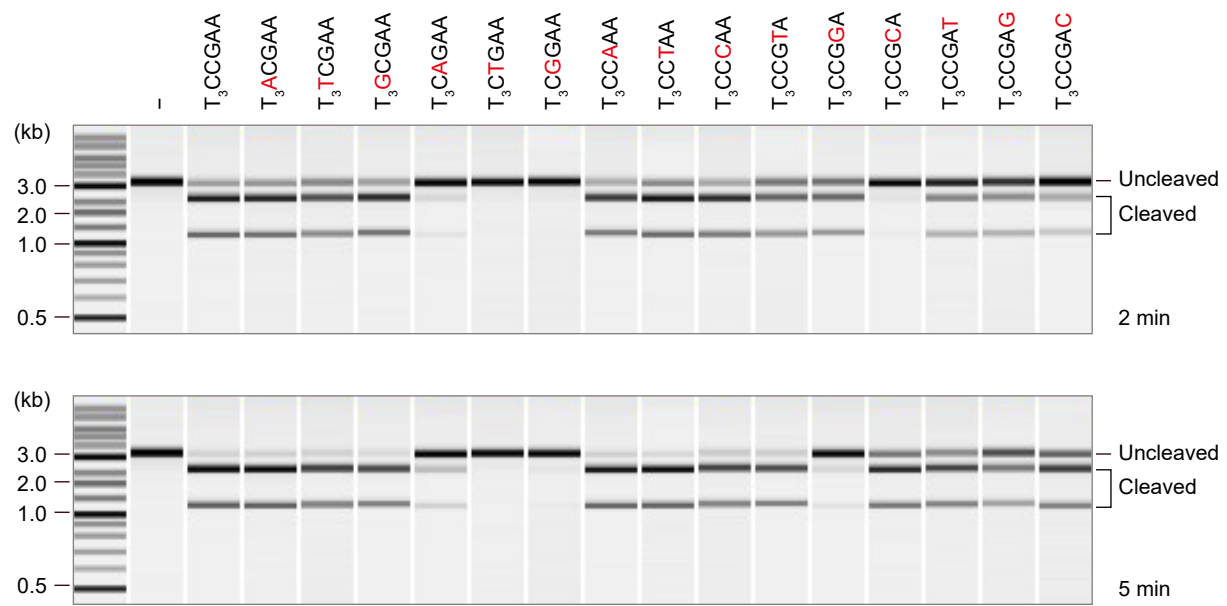
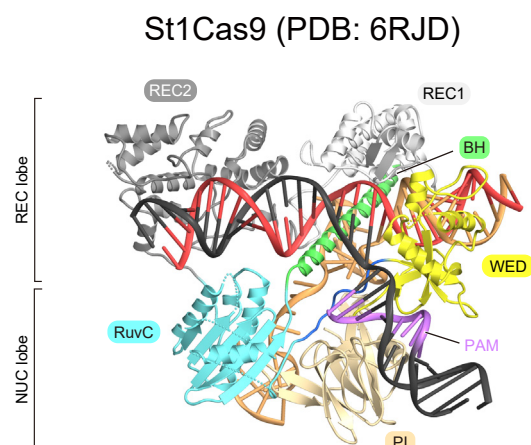
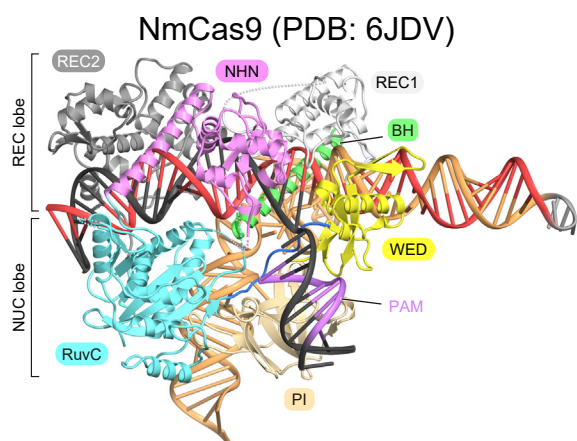
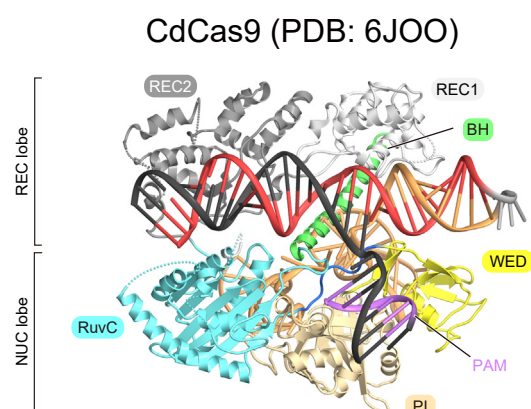
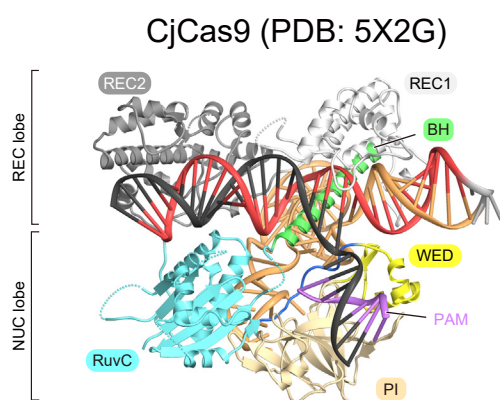
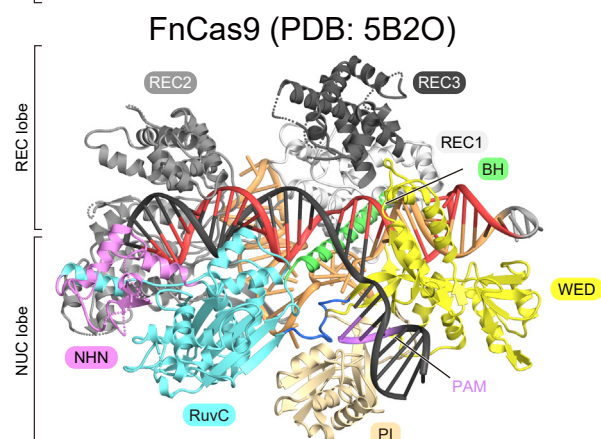
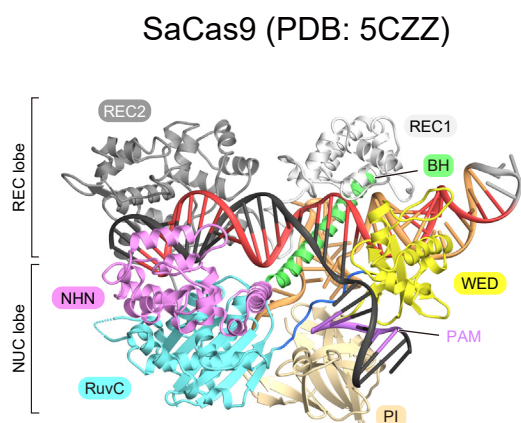
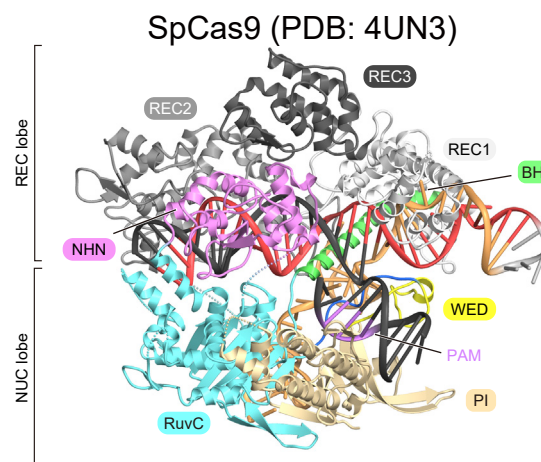
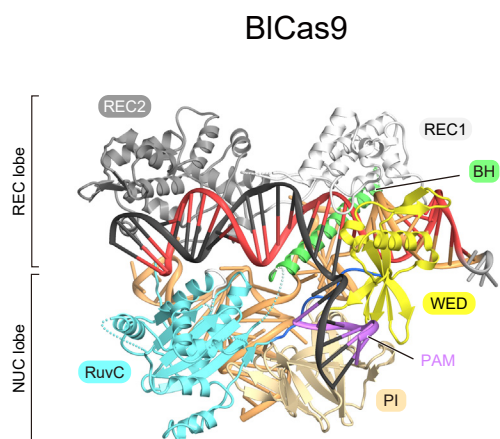
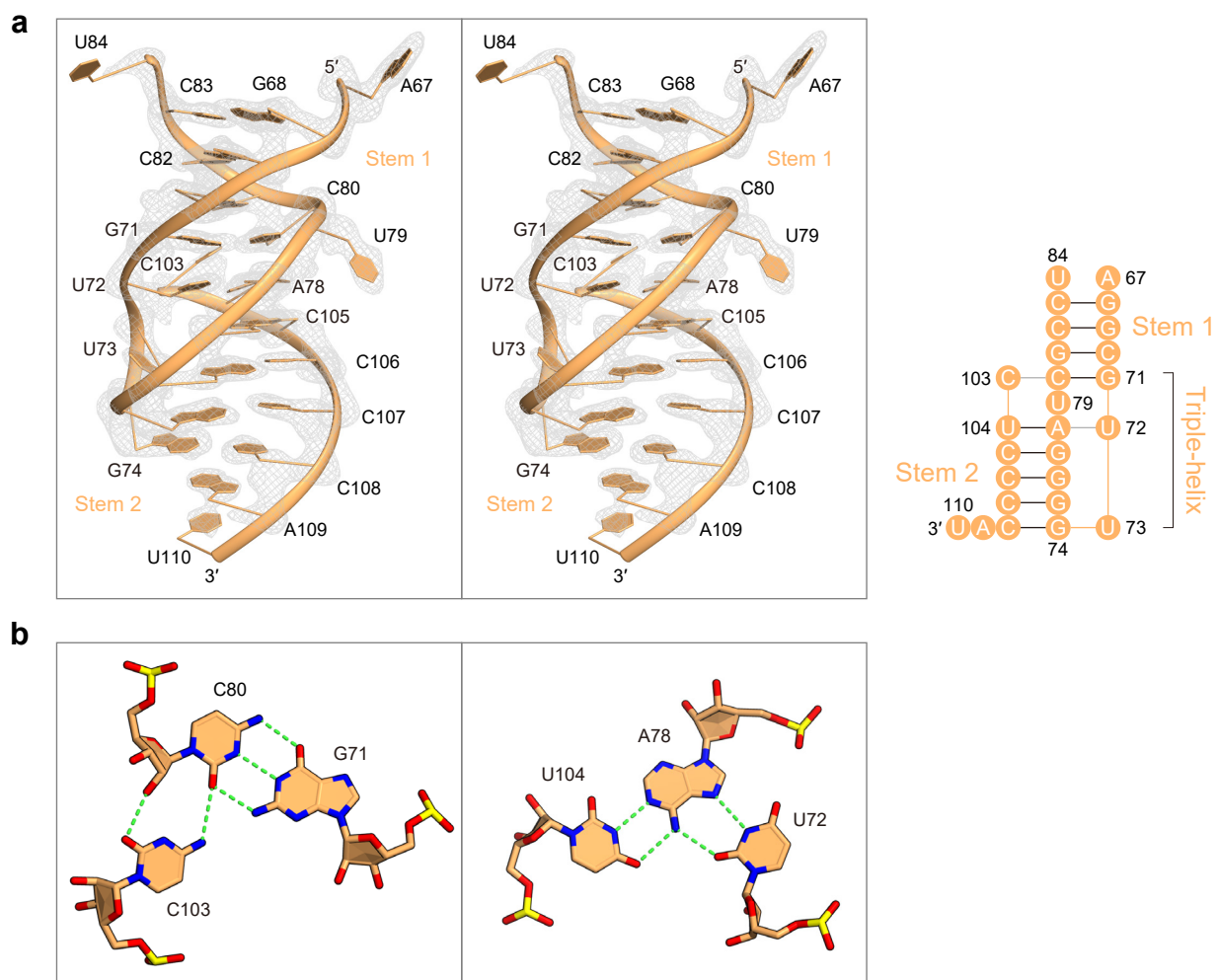




Extended Data Fig. 1

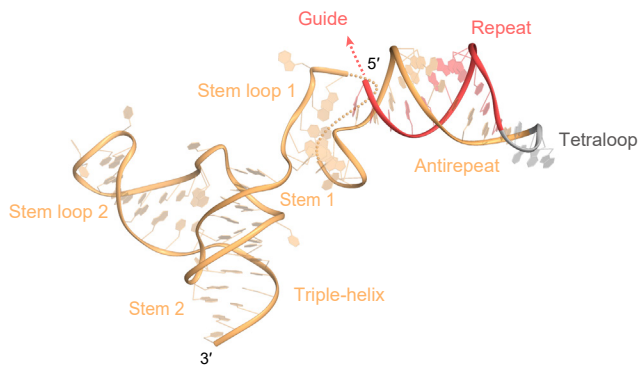


Extended Data Fig. 2

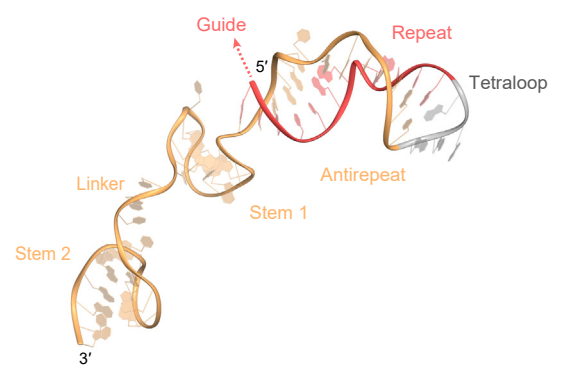


Extended Data Fig. 3

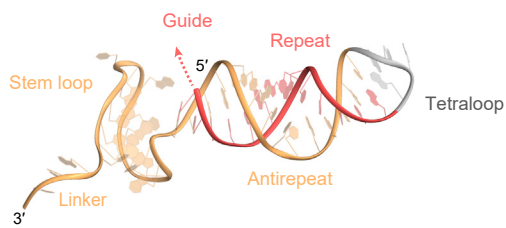
BICas9



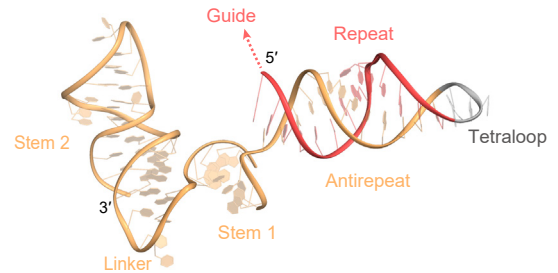
SpCas9 (PDB: 4UN3)



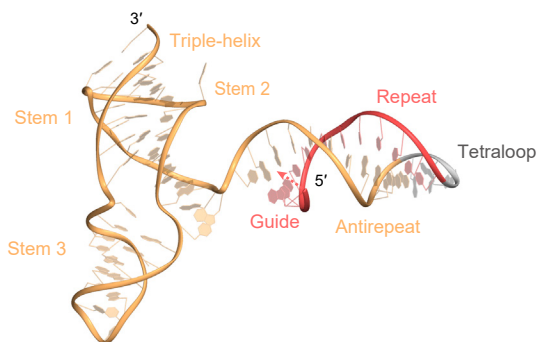
SaCas9 (PDB: 5CZZ)



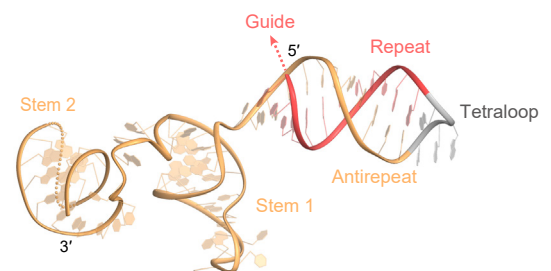
FnCas9 (PDB: 5B2O)



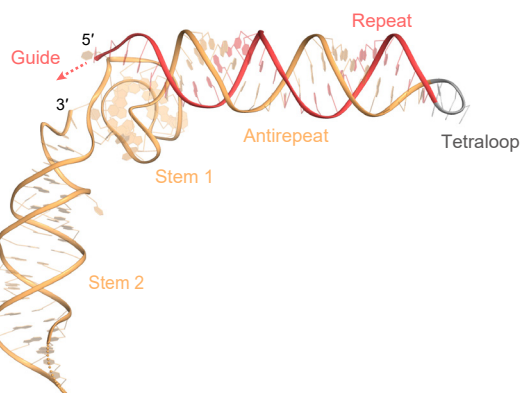
CjCas9 (PDB: 5X2G)



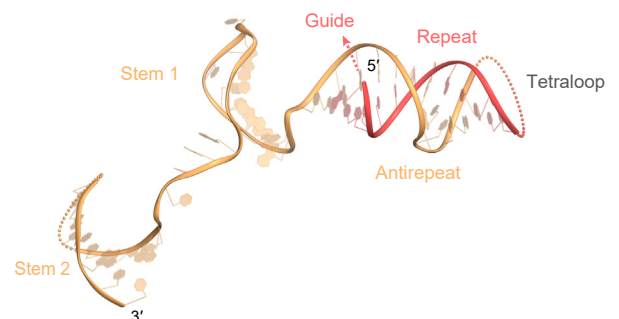
CdCas9 (PDB: 6J0O)



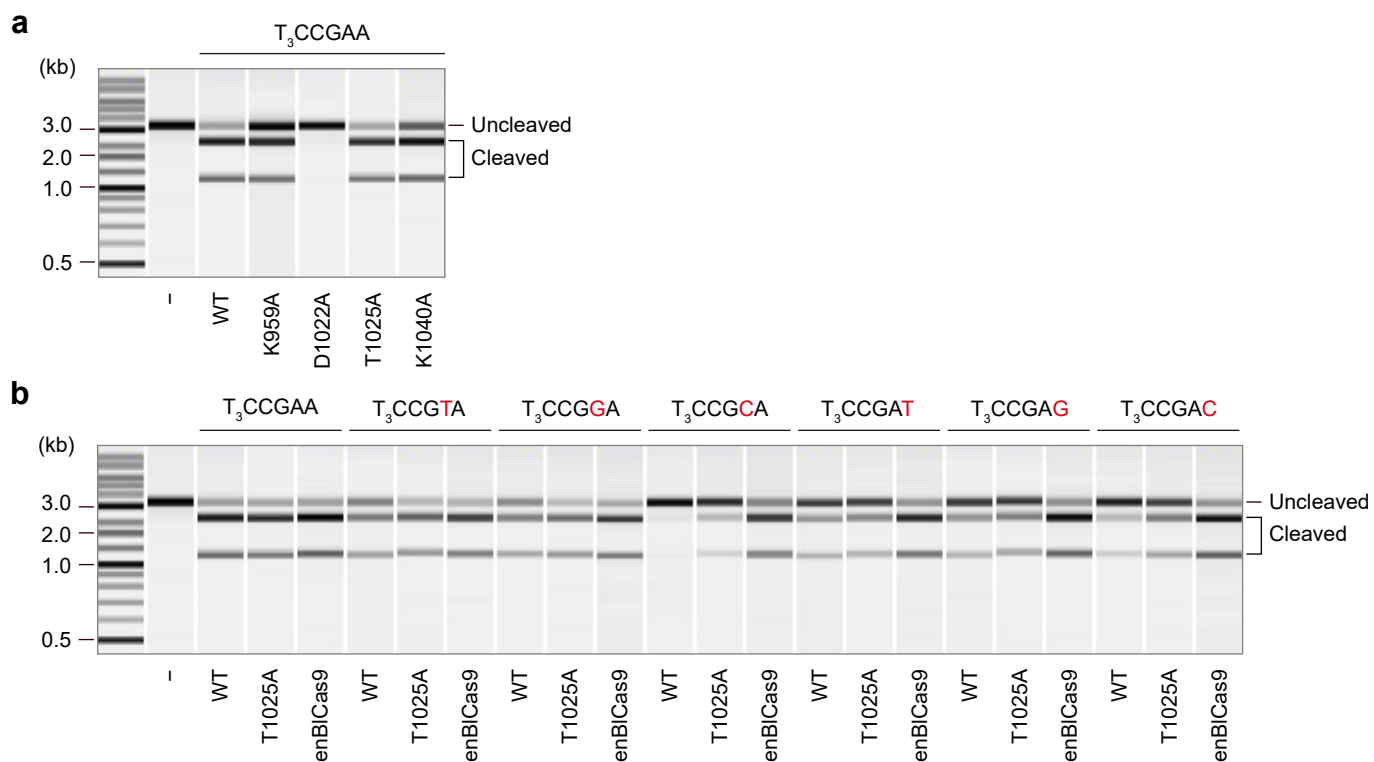
NmCas9 (PDB: 6JDV)



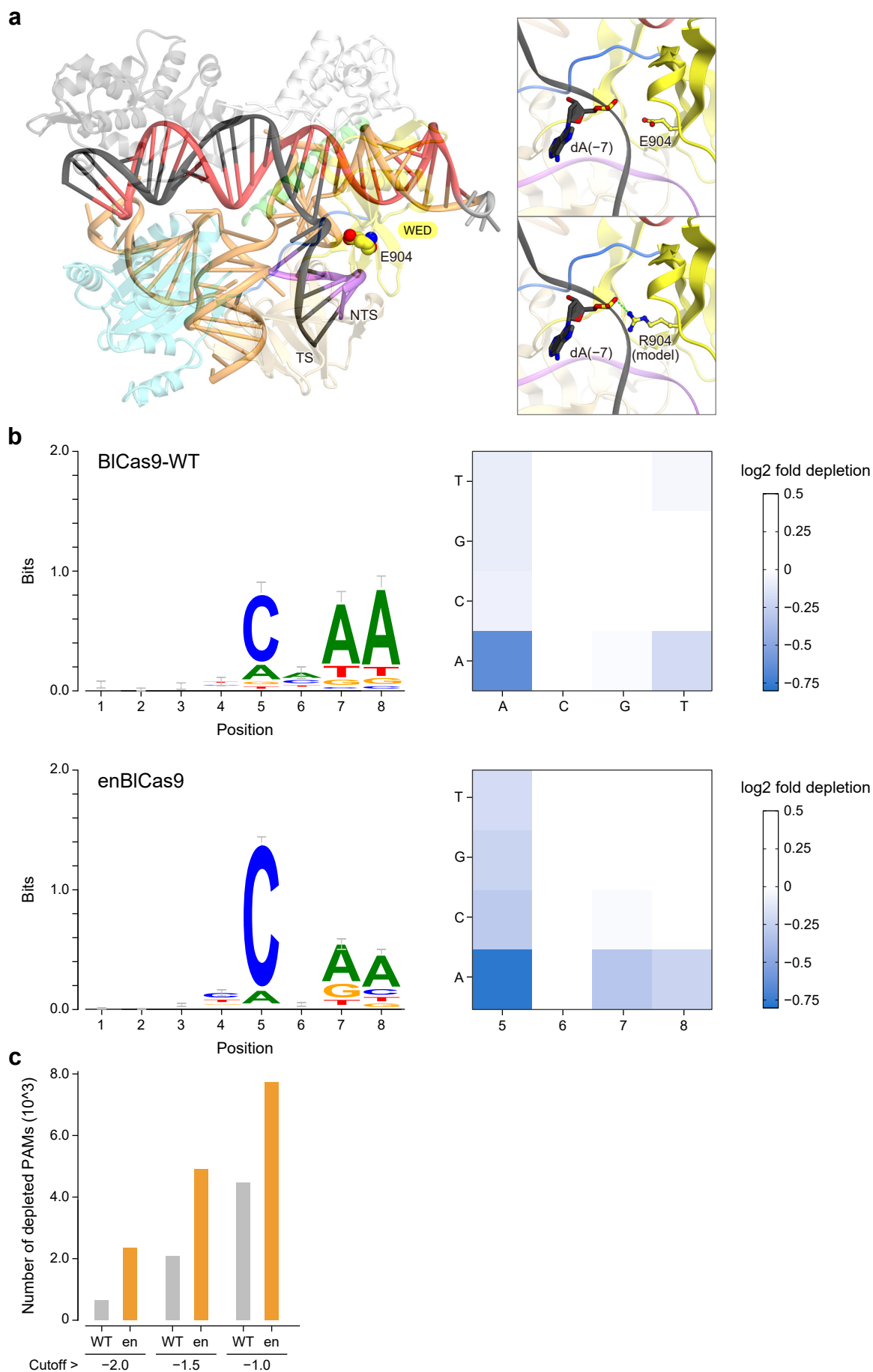
St1Cas9 (PDB: 6RJD)



Extended Data Fig. 4



Extended Data Fig. 5



Extended Data Fig. 6