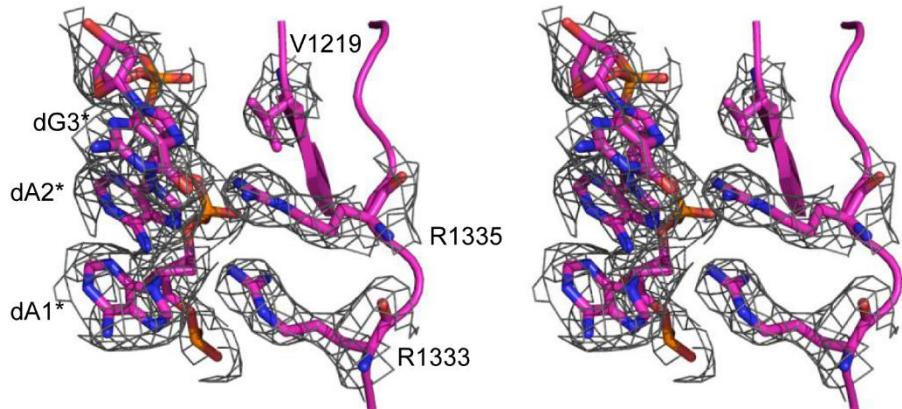
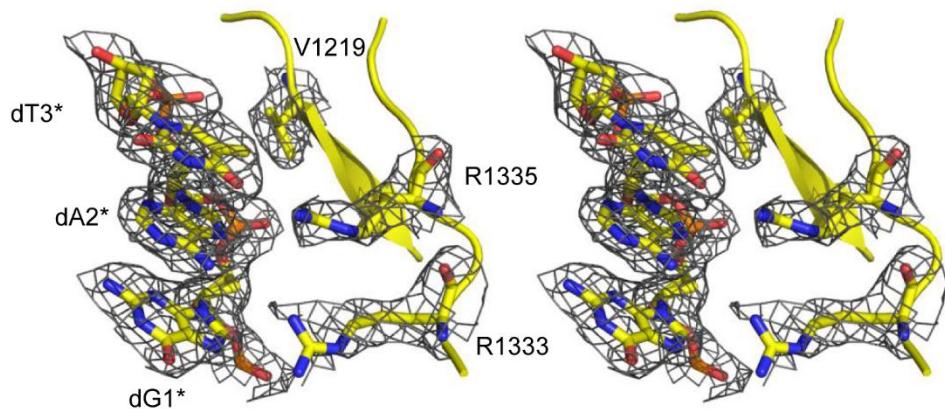


xCas9 3.7/AAG



xCas9 3.7/GAT



**Fig. S2 Electron density maps**

The  $2Fo - Fc$  omit electron density maps for R1333, R1335, V1219 and the PAM nucleotides in xCas9 3.7/GAT and xCas9 3.7/AAG are shown as a gray mesh (contoured at 1.0  $\sigma$ ).