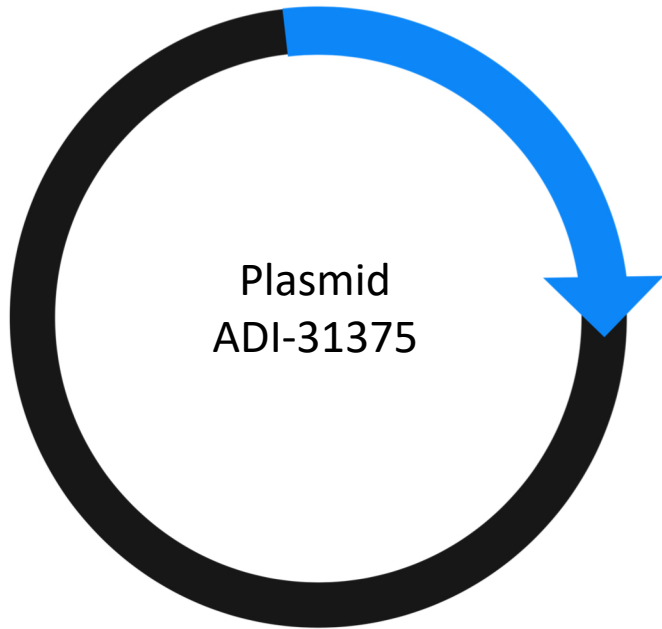


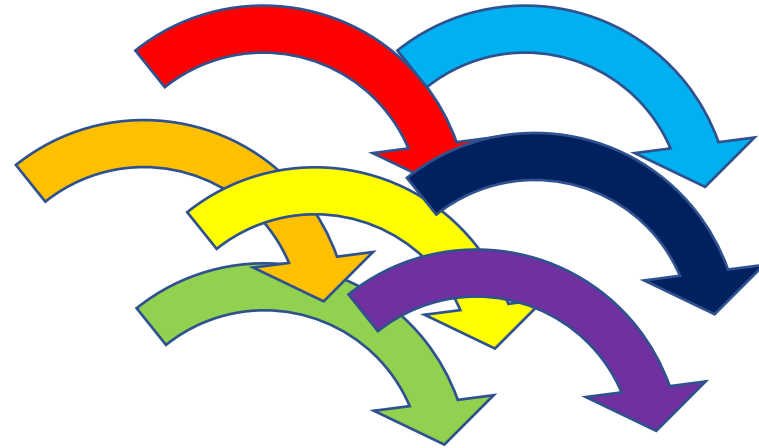
**Parental plasmid:** characterized scFv  
binds lysozyme with a  $K_d$  of 6nM

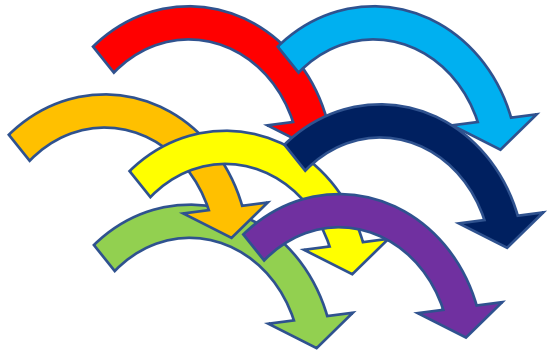


PCR amplify scFv  
ADI31375  
Via error-prone PCR

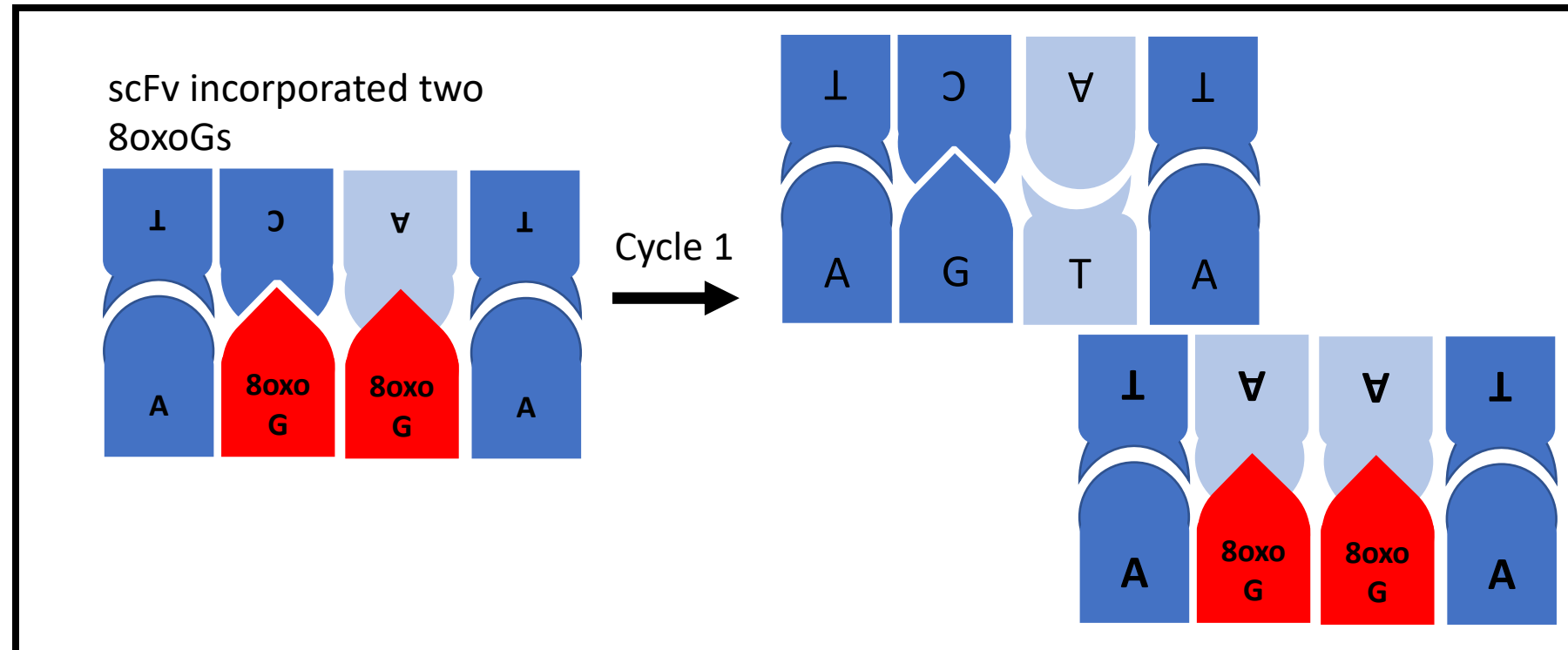
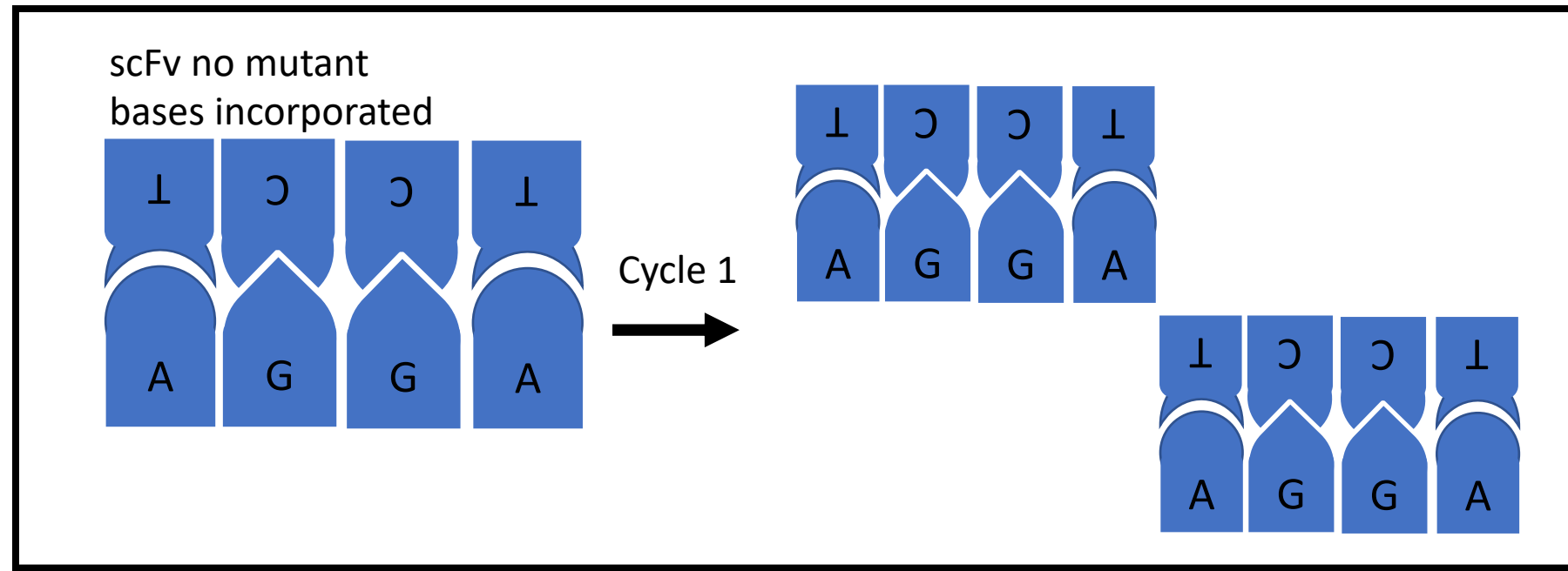


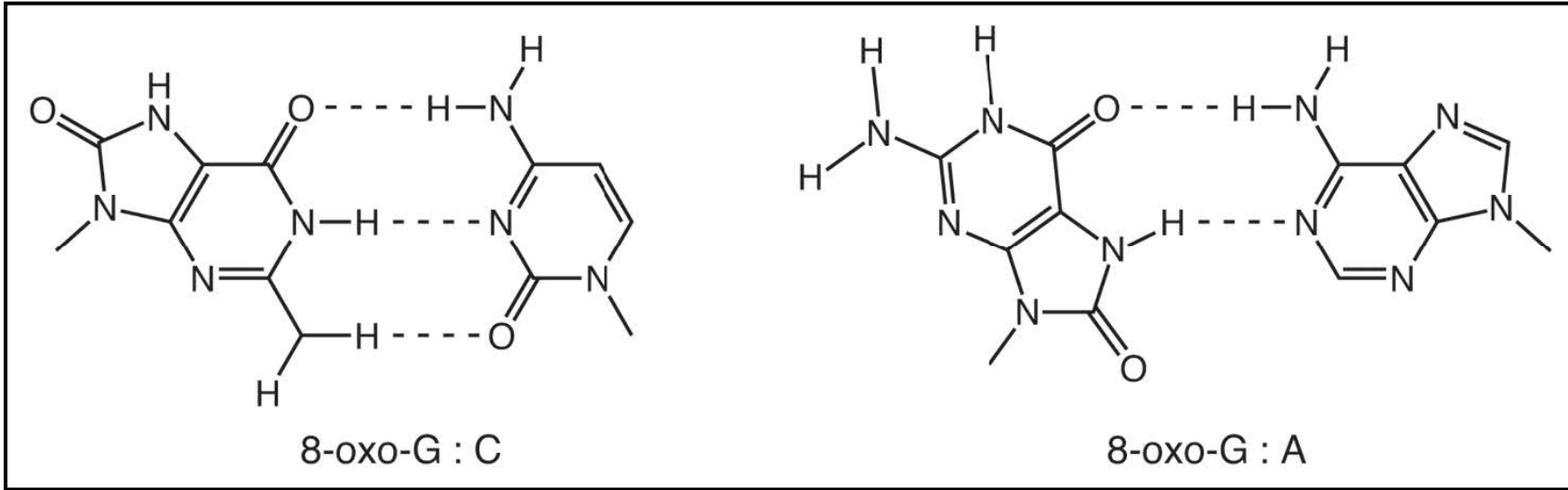
In this reaction 8-oxo-dGTP and dPTP are  
incorporated into the scFv gene at random  
positions and will erroneously pair with  
incorrect bases in subsequent steps





Amplification of scFv genes with mutant bases results in permanent sequence change



**A****B**