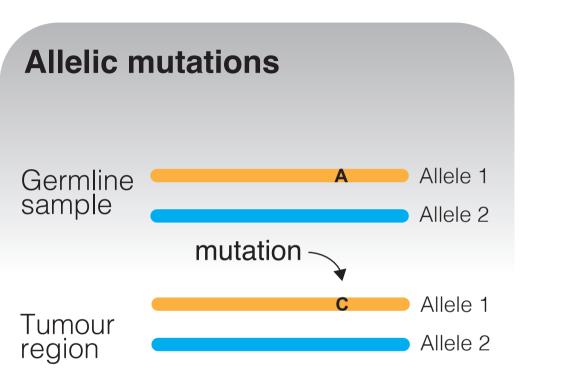
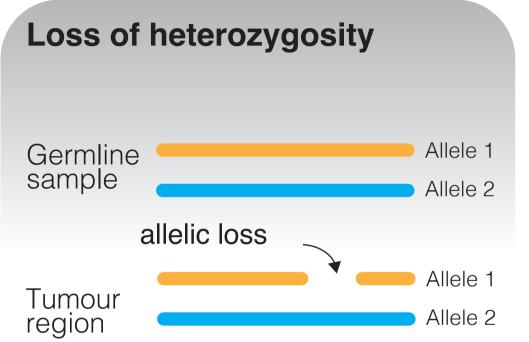
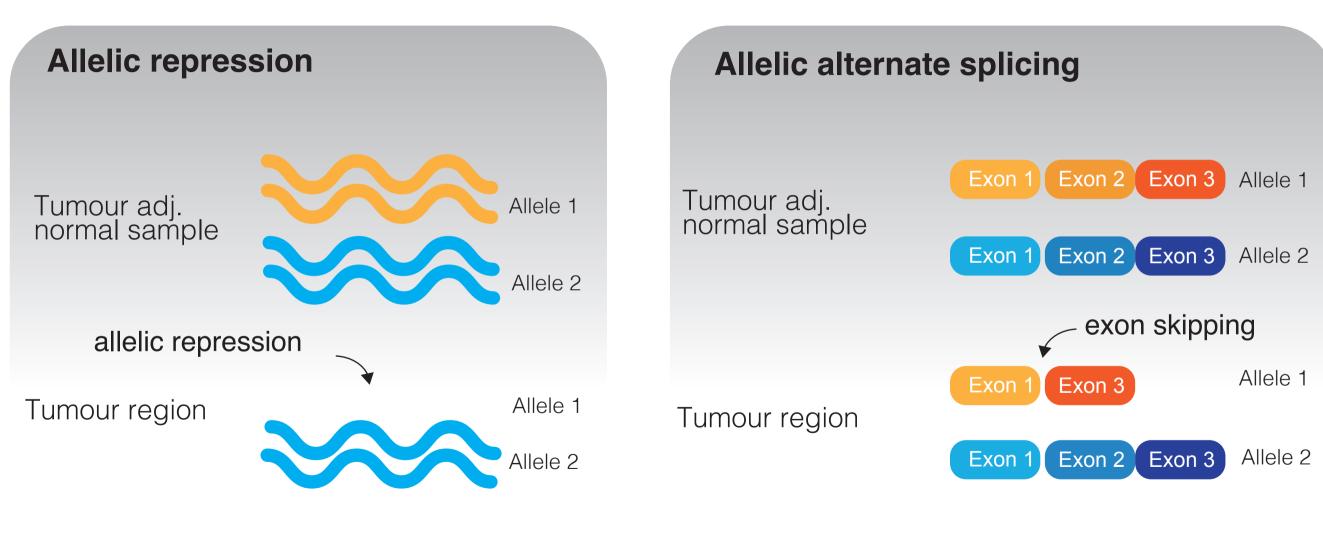
## **HLA** genomic disruption





## **HLA** transcriptomic disruption



Allele 1

