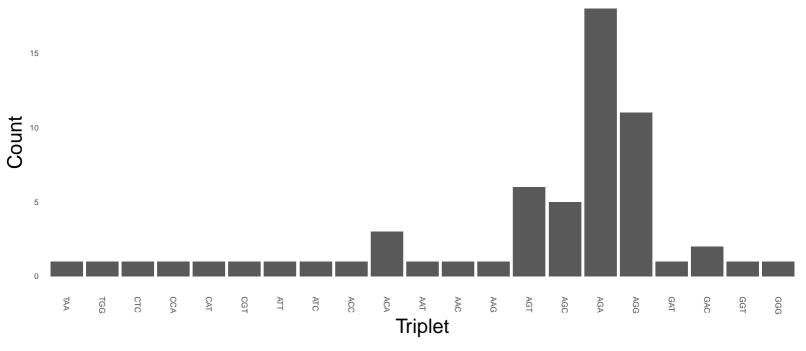
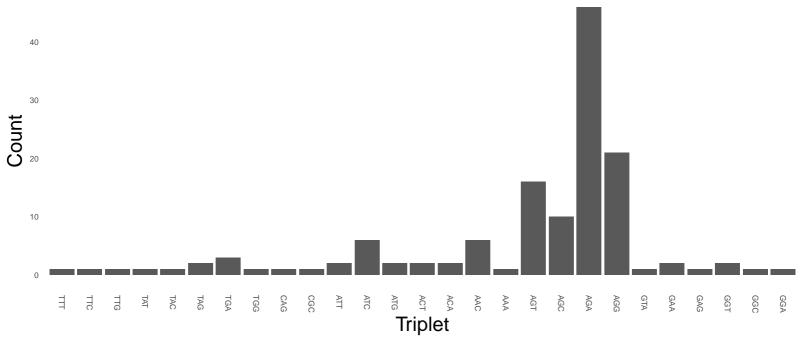


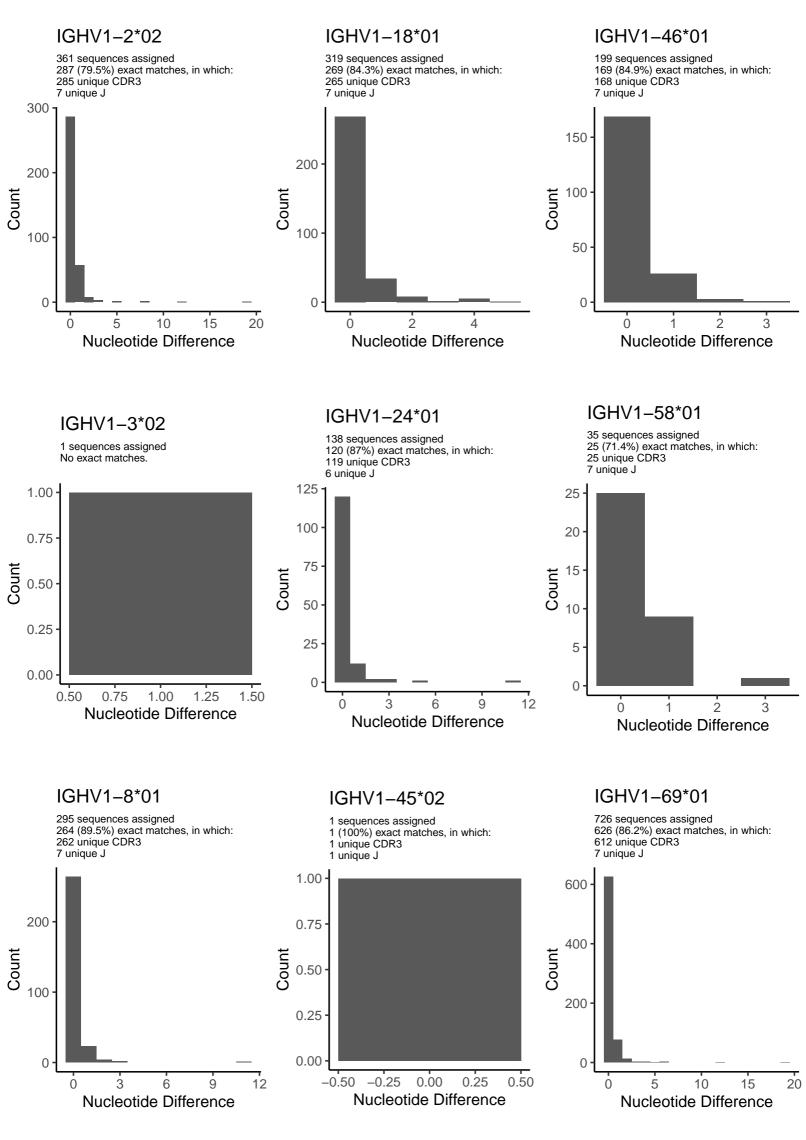
Position

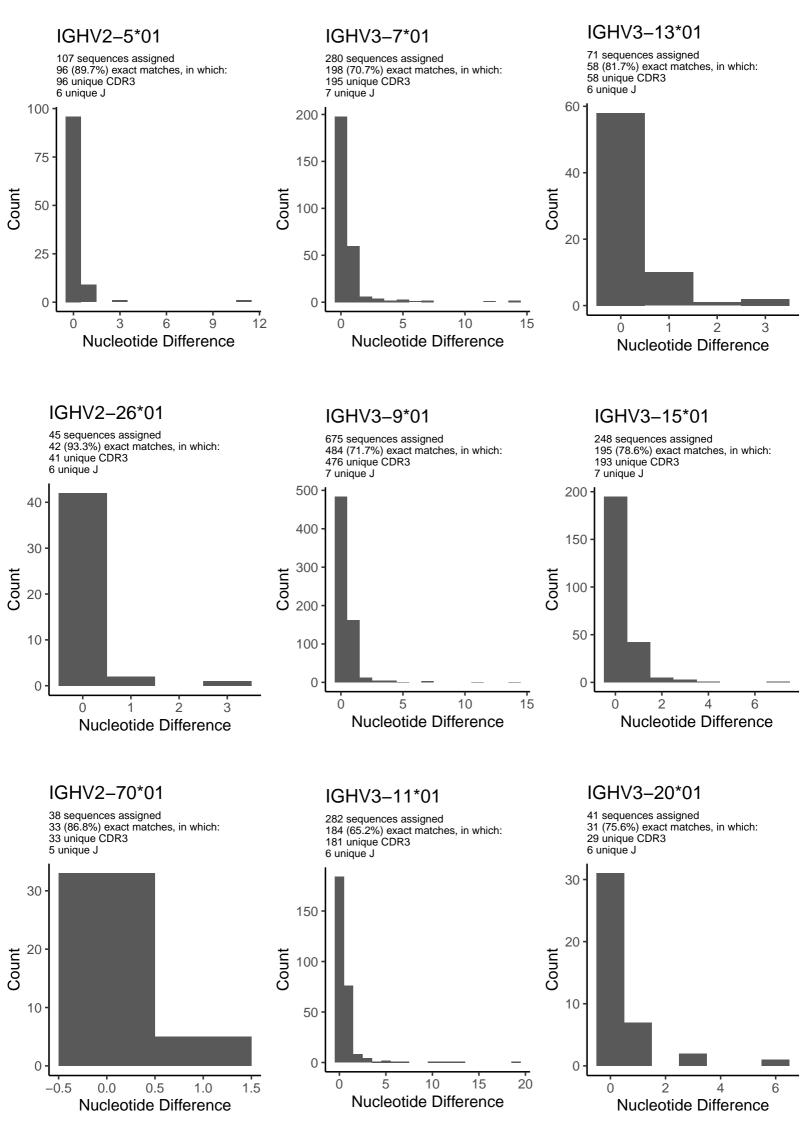
IGHV4-59\*01\_G267A- Final 3 nucleotides as a triplet

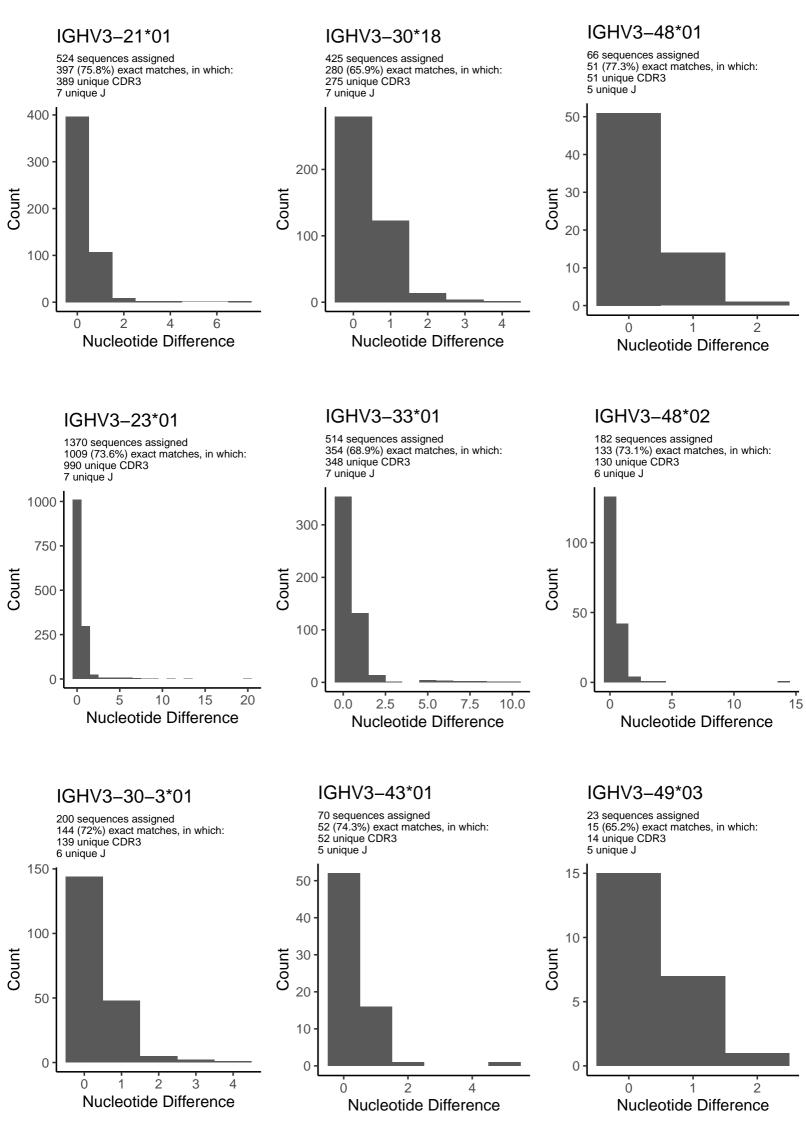


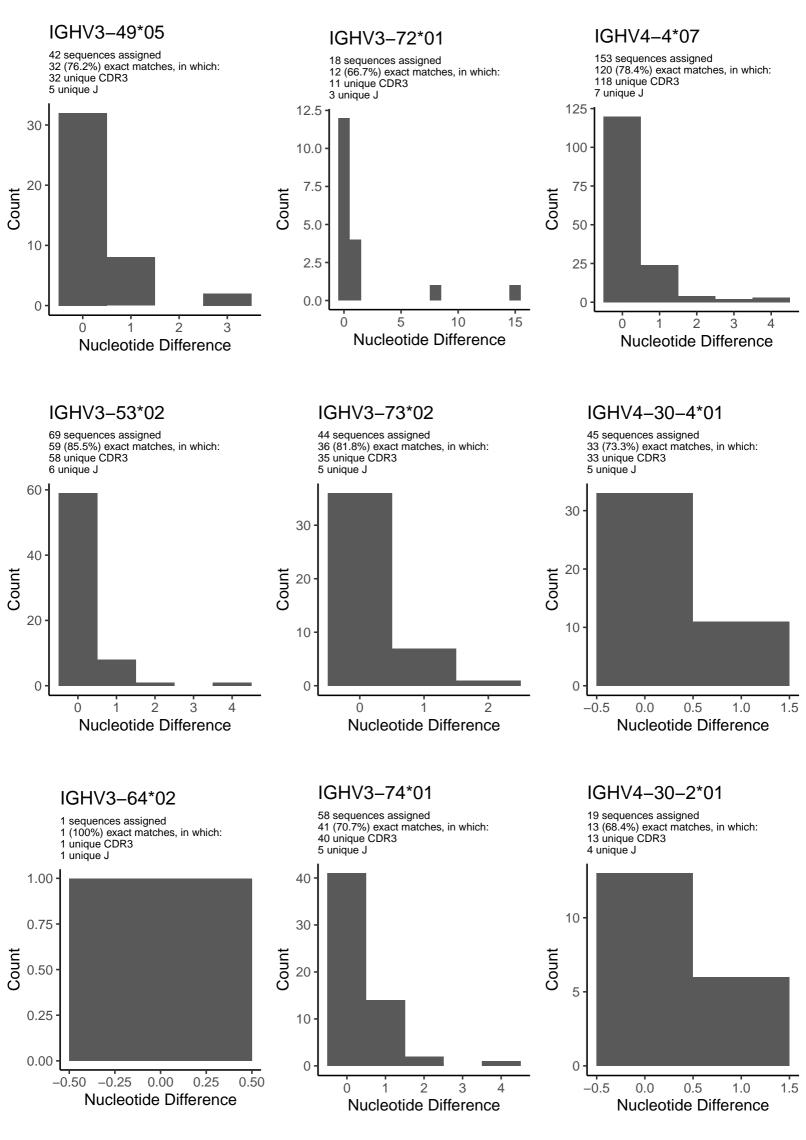
IGHV4-61\*02\_A234G- Final 3 nucleotides as a triplet

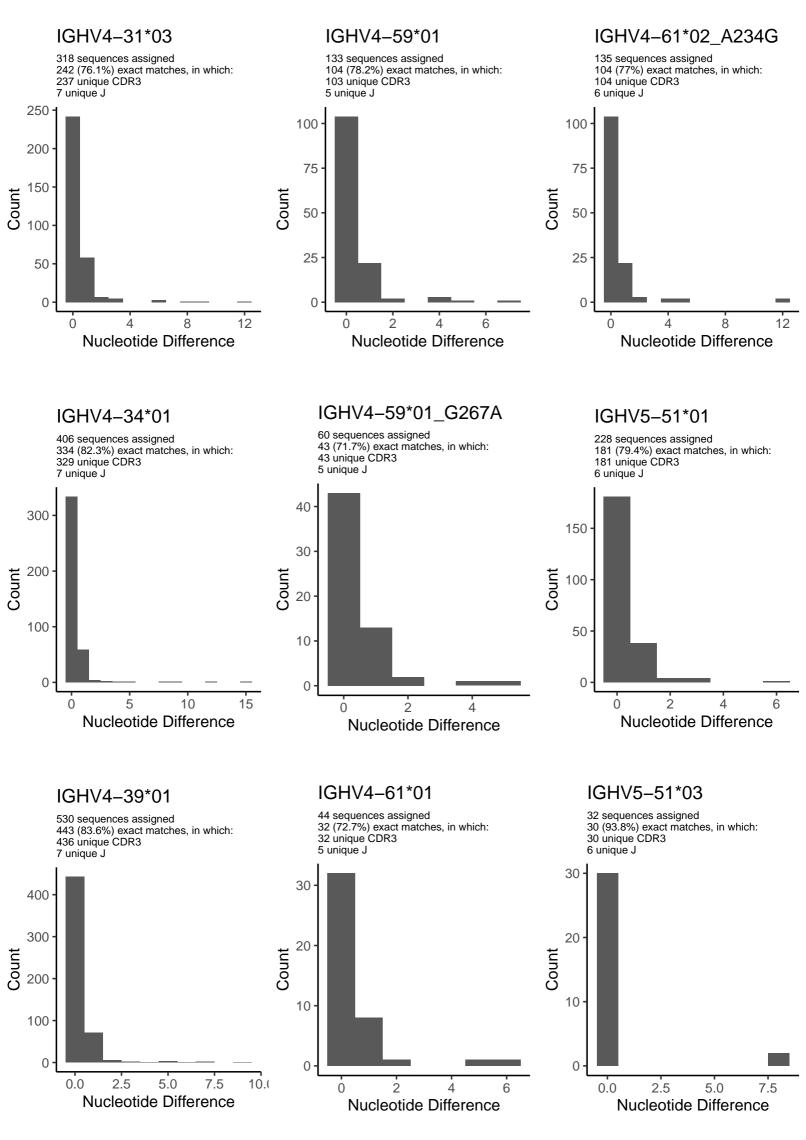






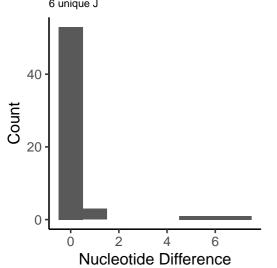




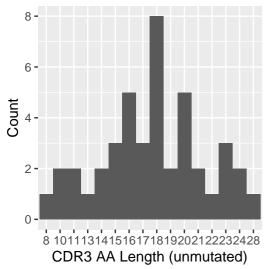


## IGHV6-1\*01

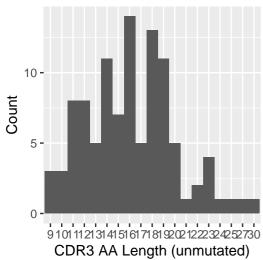
59 sequences assigned 53 (89.8%) exact matches, in which: 52 unique CDR3 6 unique J

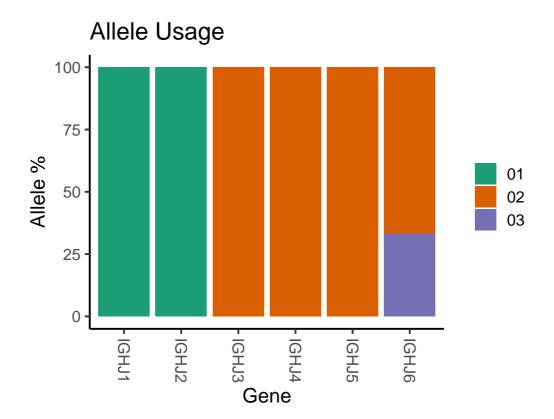


## IGHV4-59\*01\_G267A



## IGHV4-61\*02\_A234G





## Sequence Count by IGHJ6 allele usage

