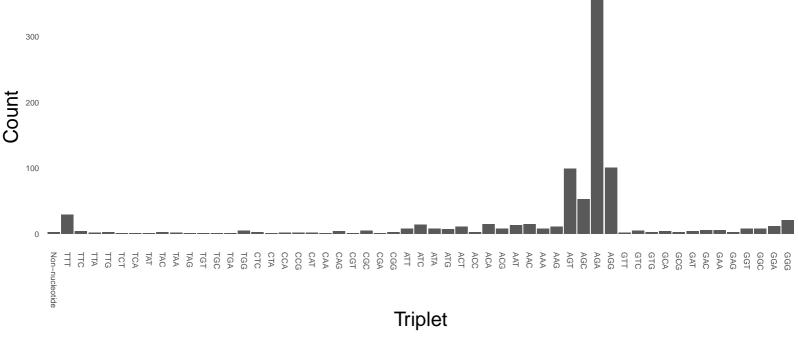
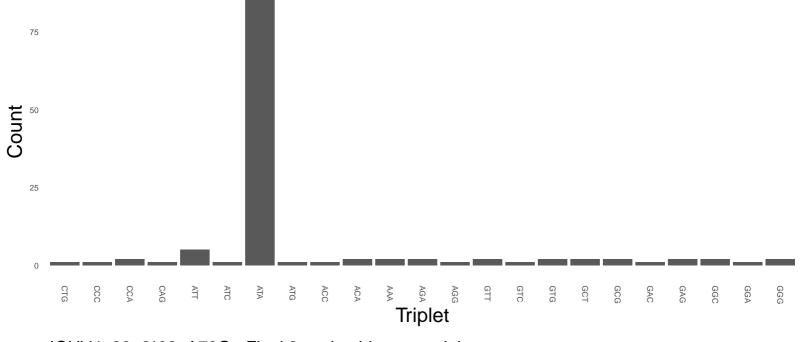


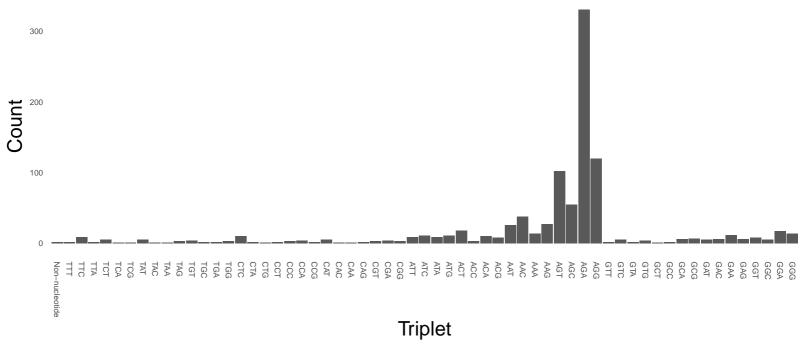
IGHV1-18\*01\_A196G- Final 3 nucleotides as a triplet



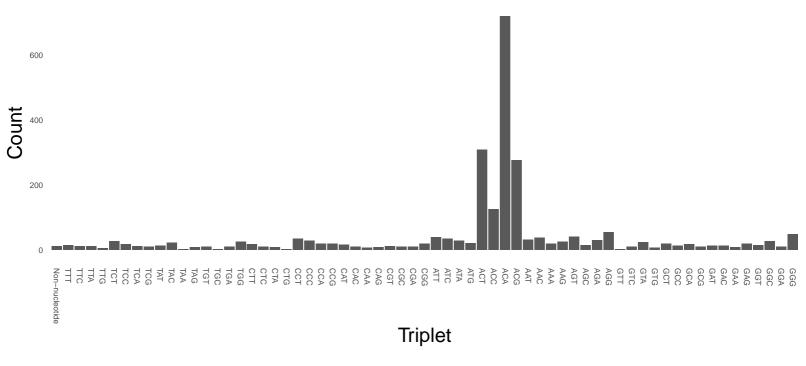
IGHV3-43\*01\_T177A- Final 3 nucleotides as a triplet

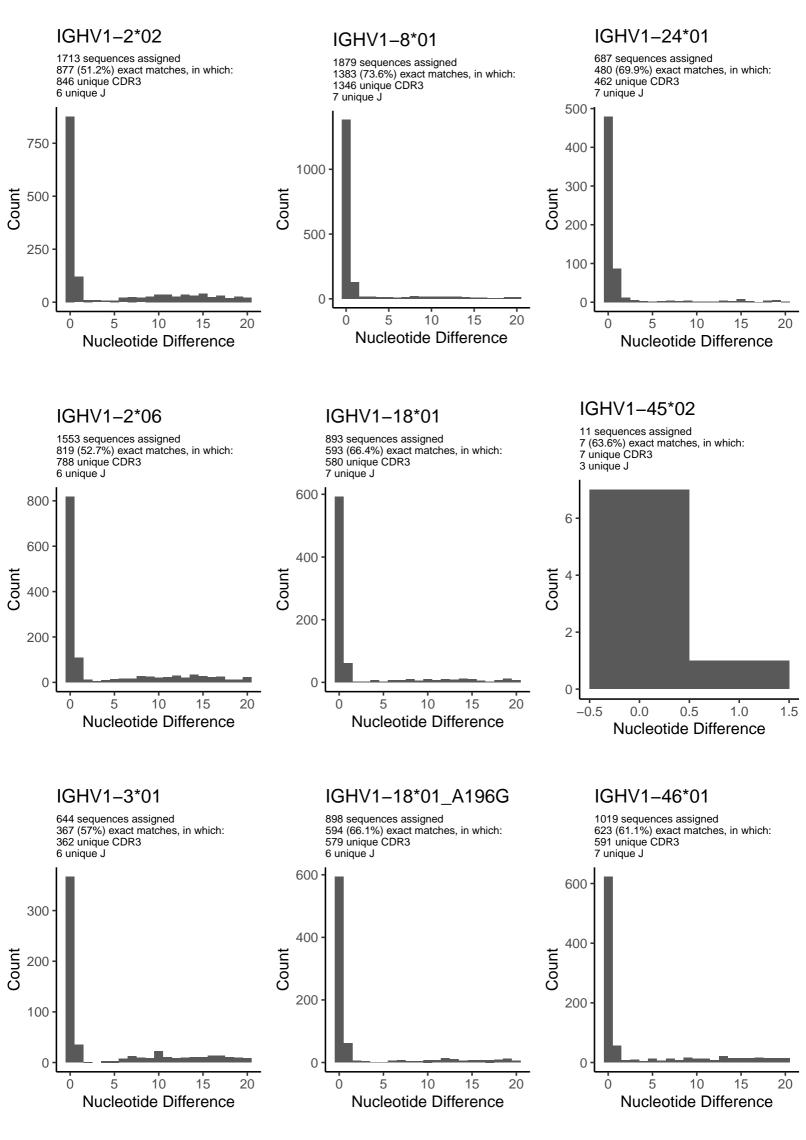


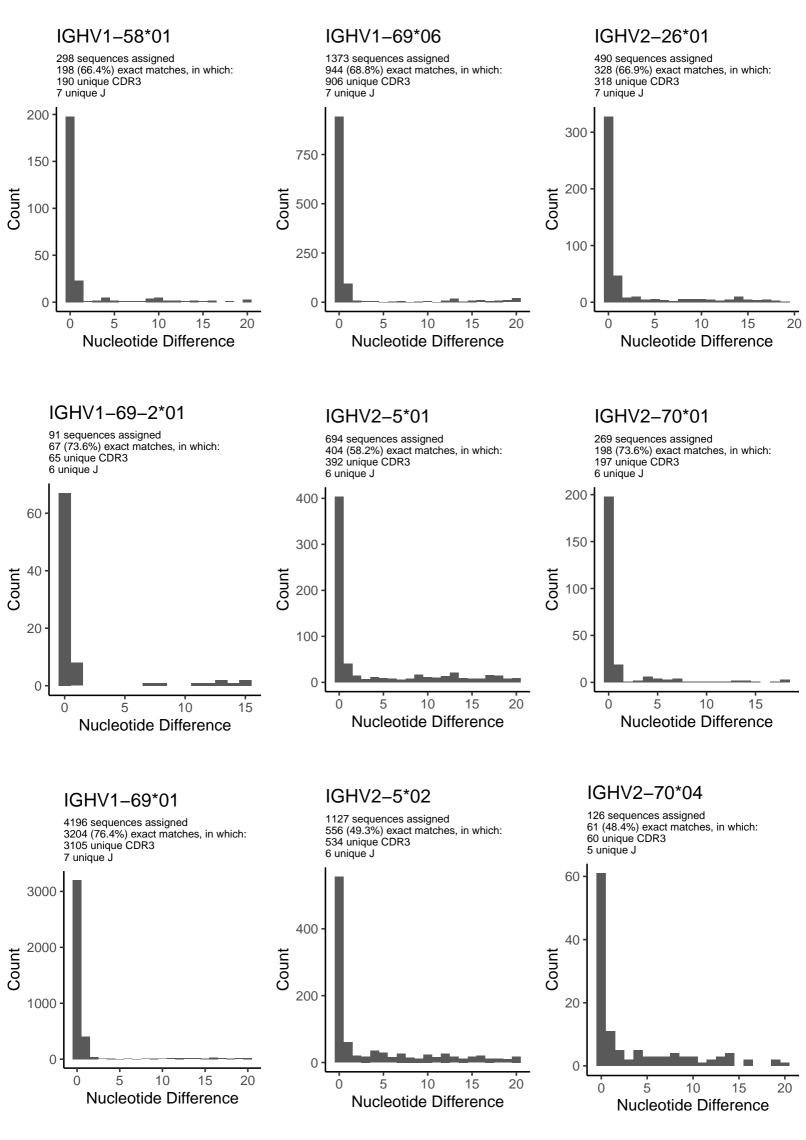
IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet

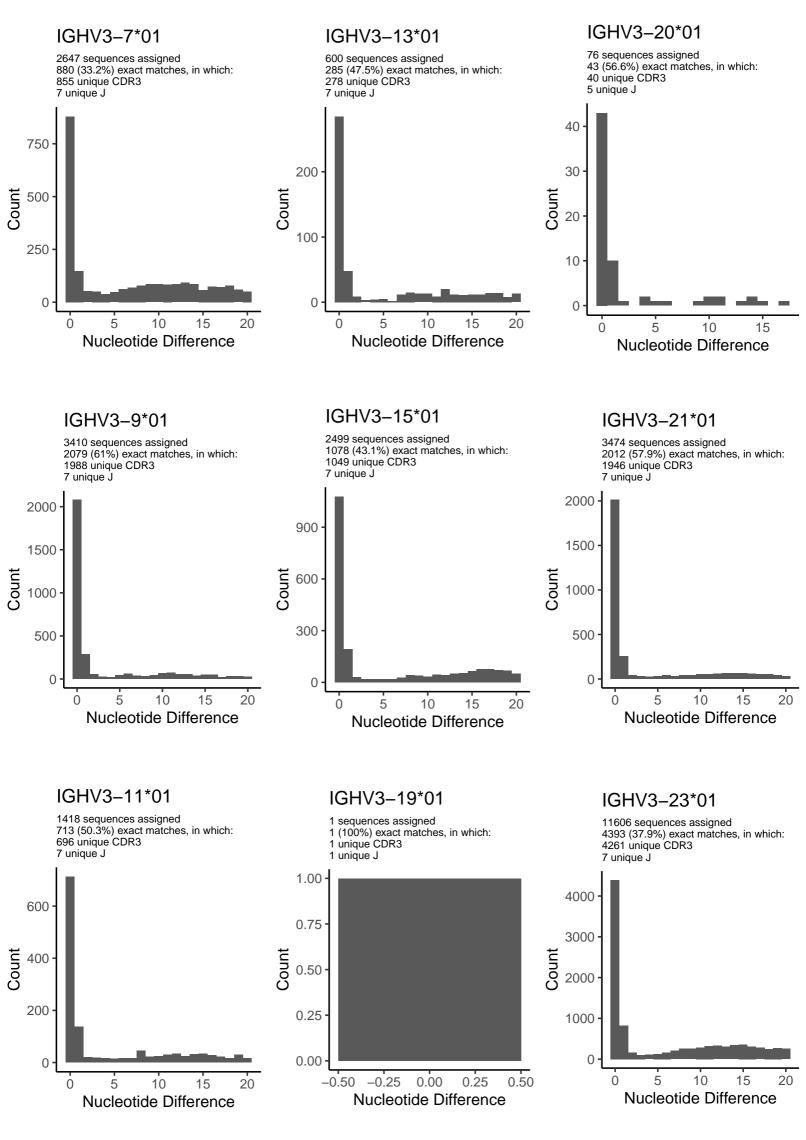


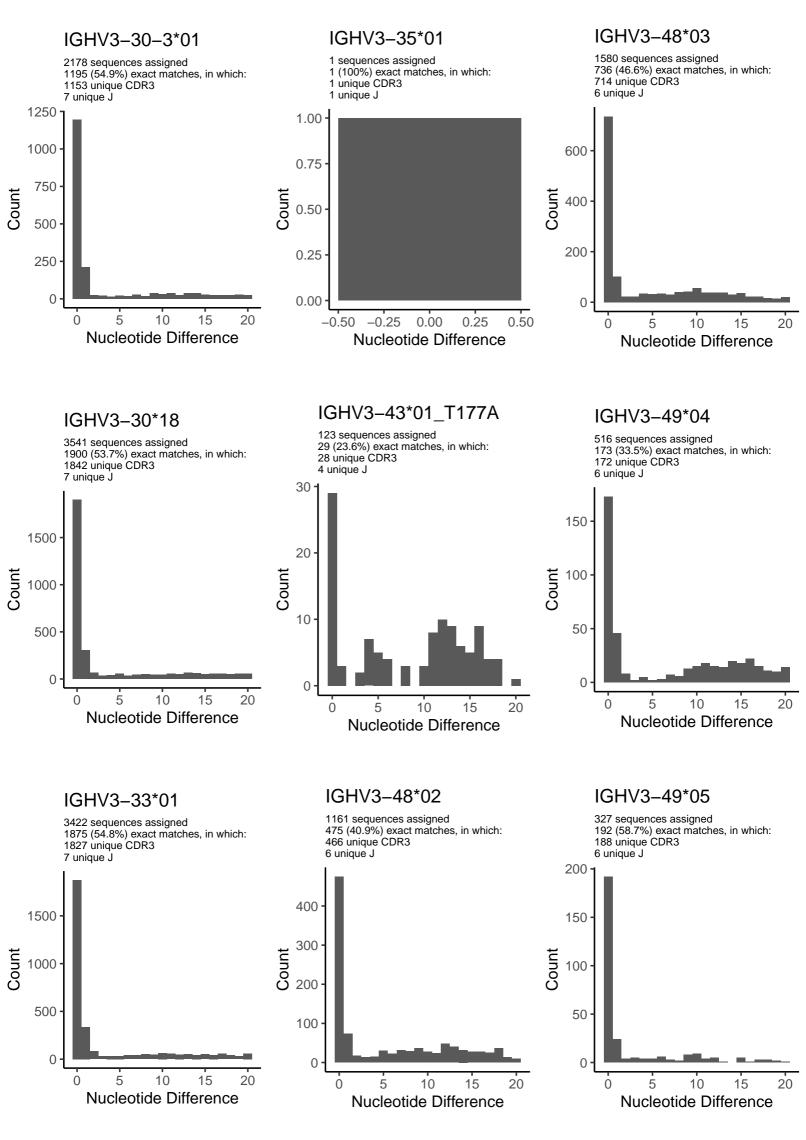
IGHV4-39\*01\_G315A- Final 3 nucleotides as a triplet

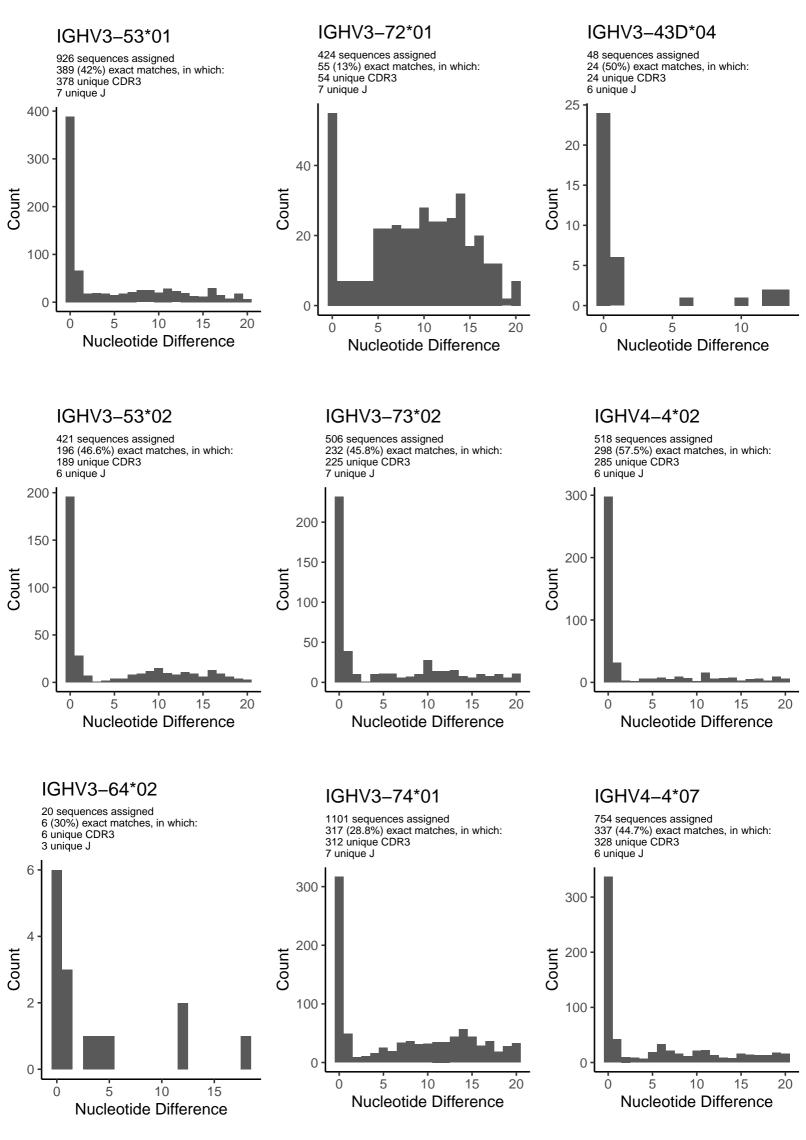


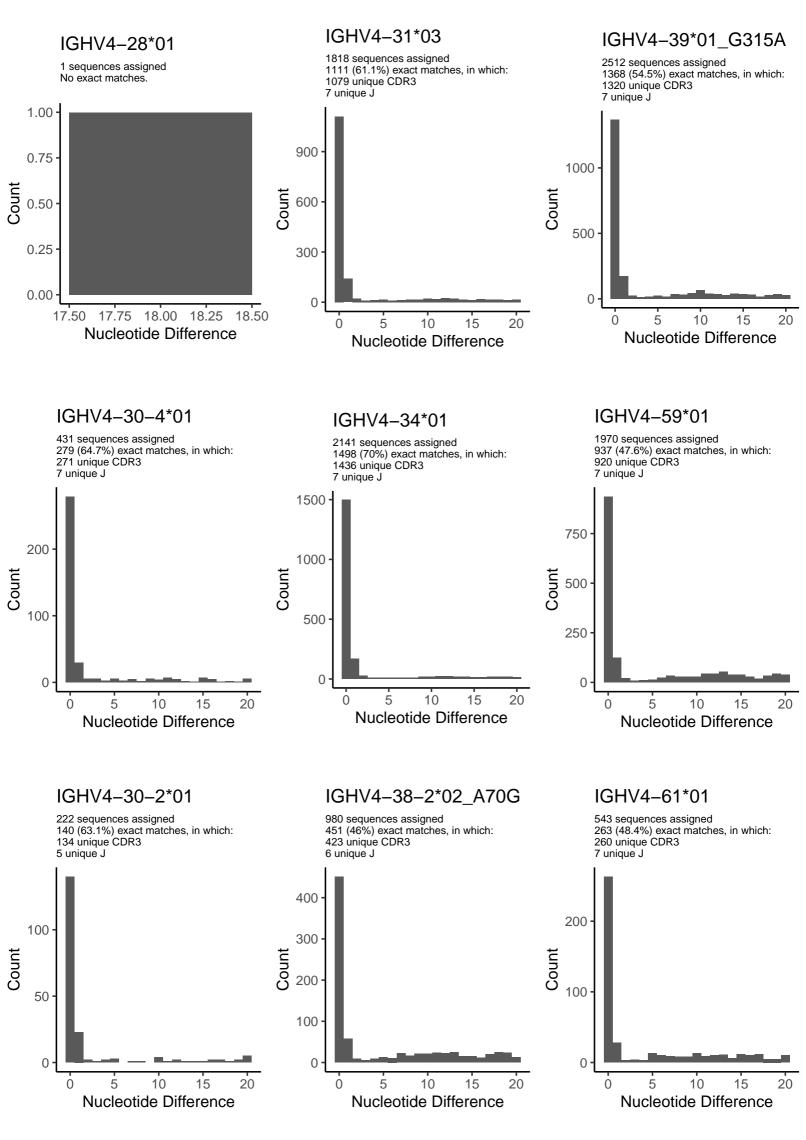






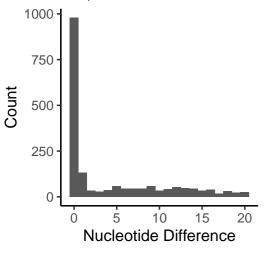






## IGHV5-51\*01

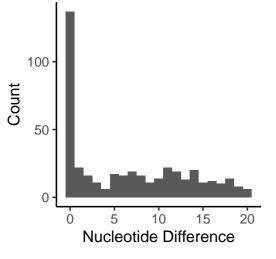
2040 sequences assigned 979 (48%) exact matches, in which: 949 unique CDR3 7 unique J



## IGHV6-1\*01

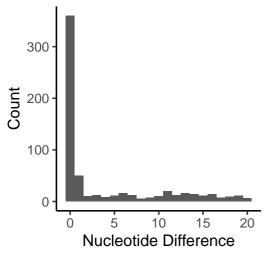
452 sequences assigned 137 (30.3%) exact matches, in which: 131 unique CDR3

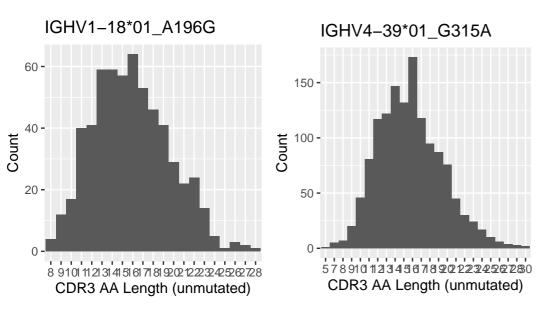
6 unique J

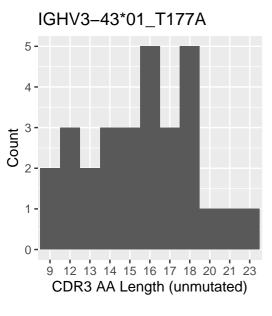


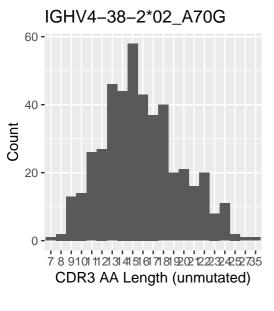
## IGHV7-4-1\*02

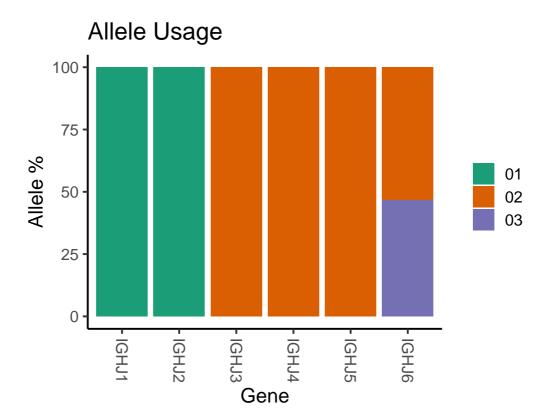
677 sequences assigned 360 (53.2%) exact matches, in which: 355 unique CDR3 7 unique J











## Sequence Count by IGHJ6 allele usage

