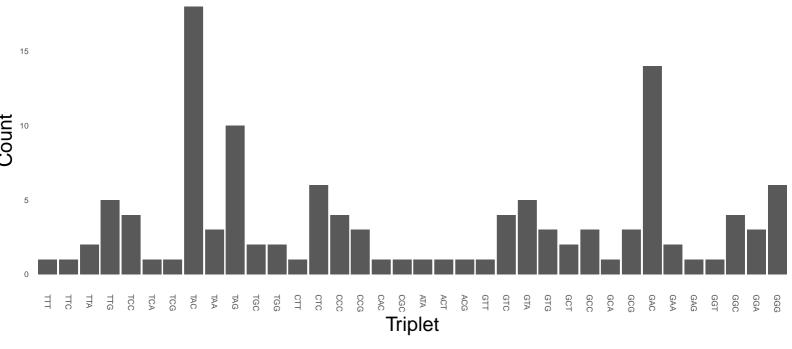
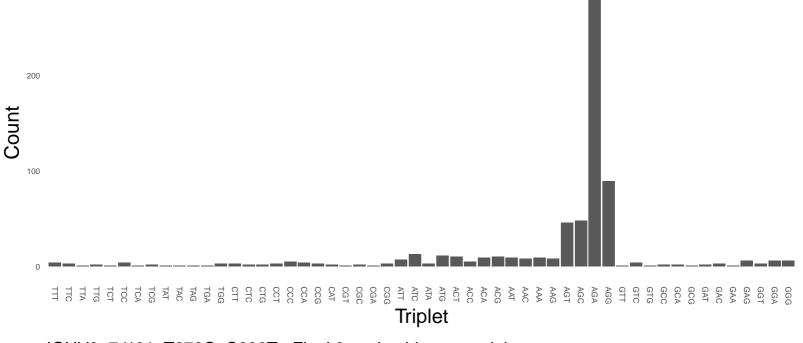


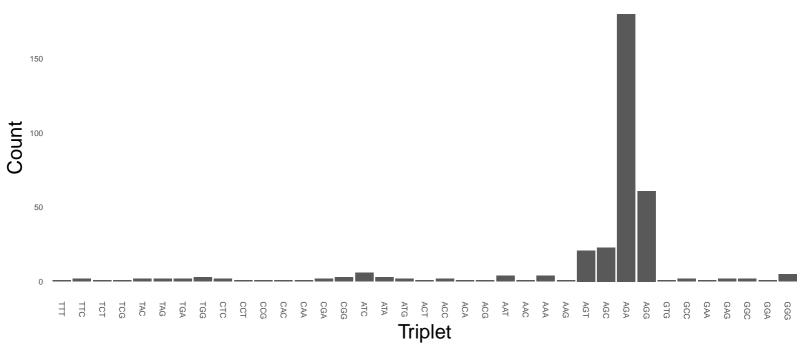
IGHV2-70\*15\_G303A- Final 3 nucleotides as a triplet



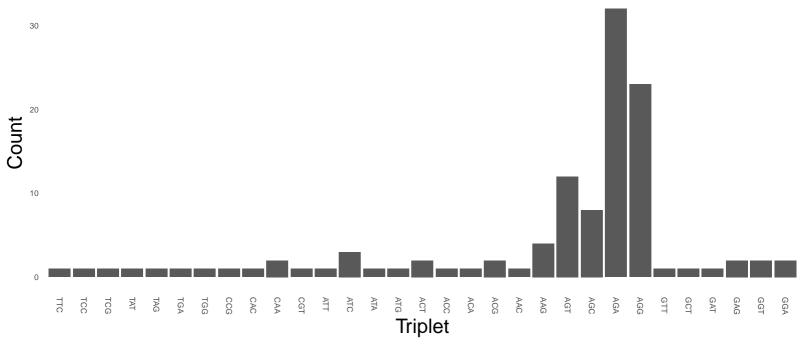
IGHV3-74\*01\_T279C- Final 3 nucleotides as a triplet



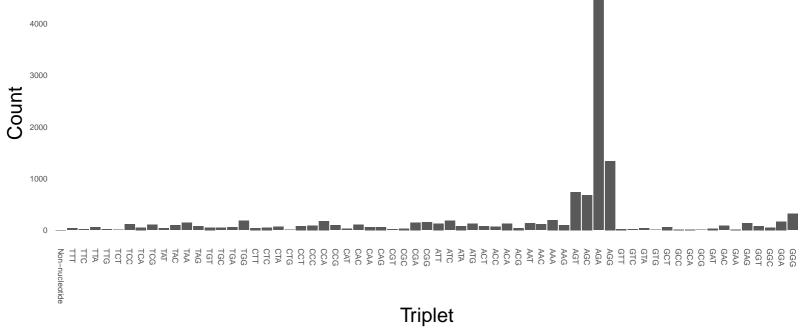
IGHV3-74\*01\_T279C\_C288T- Final 3 nucleotides as a triplet



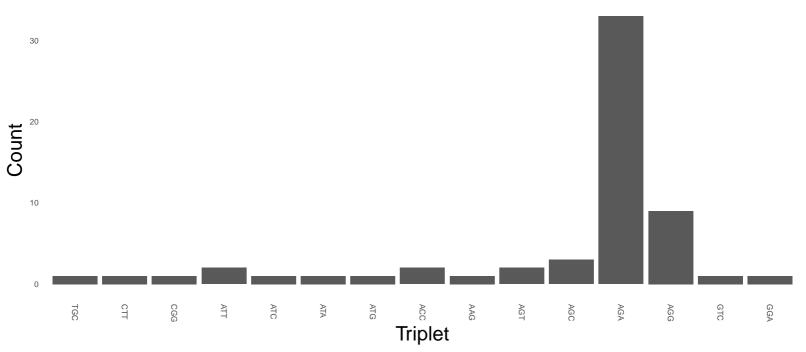
IGHV1-3\*02\_T296C\_T300C- Final 3 nucleotides as a triplet

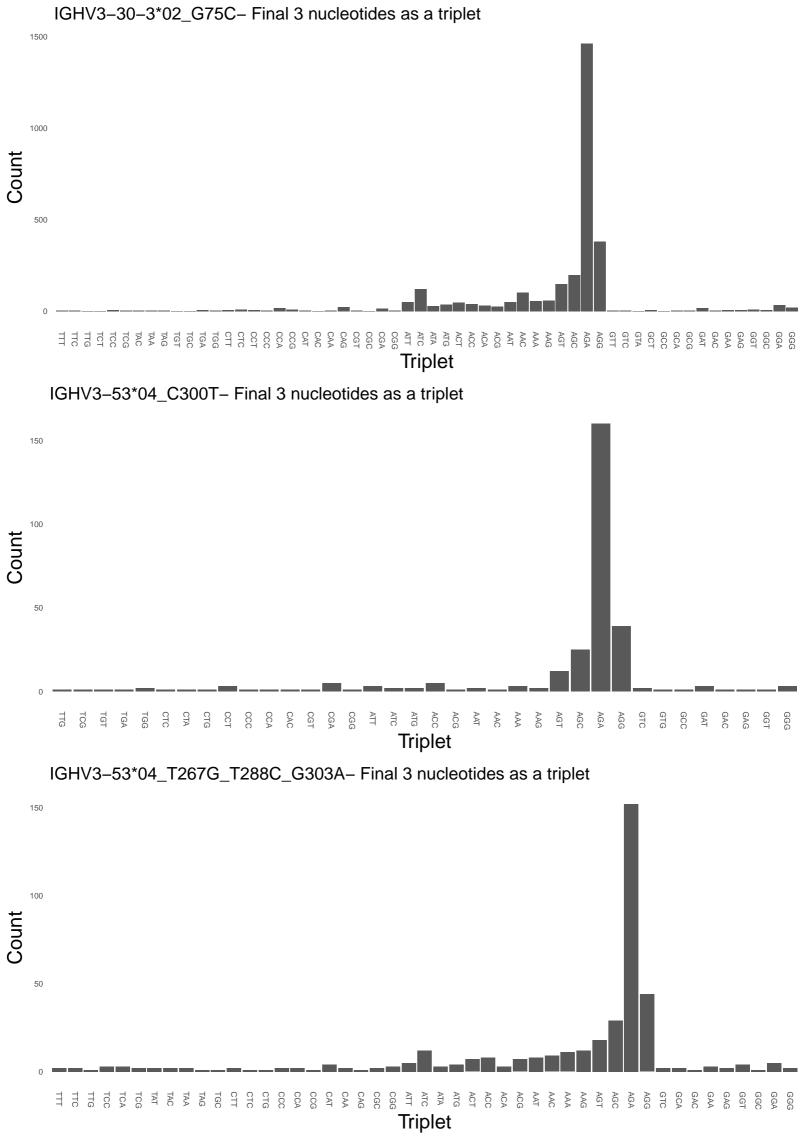


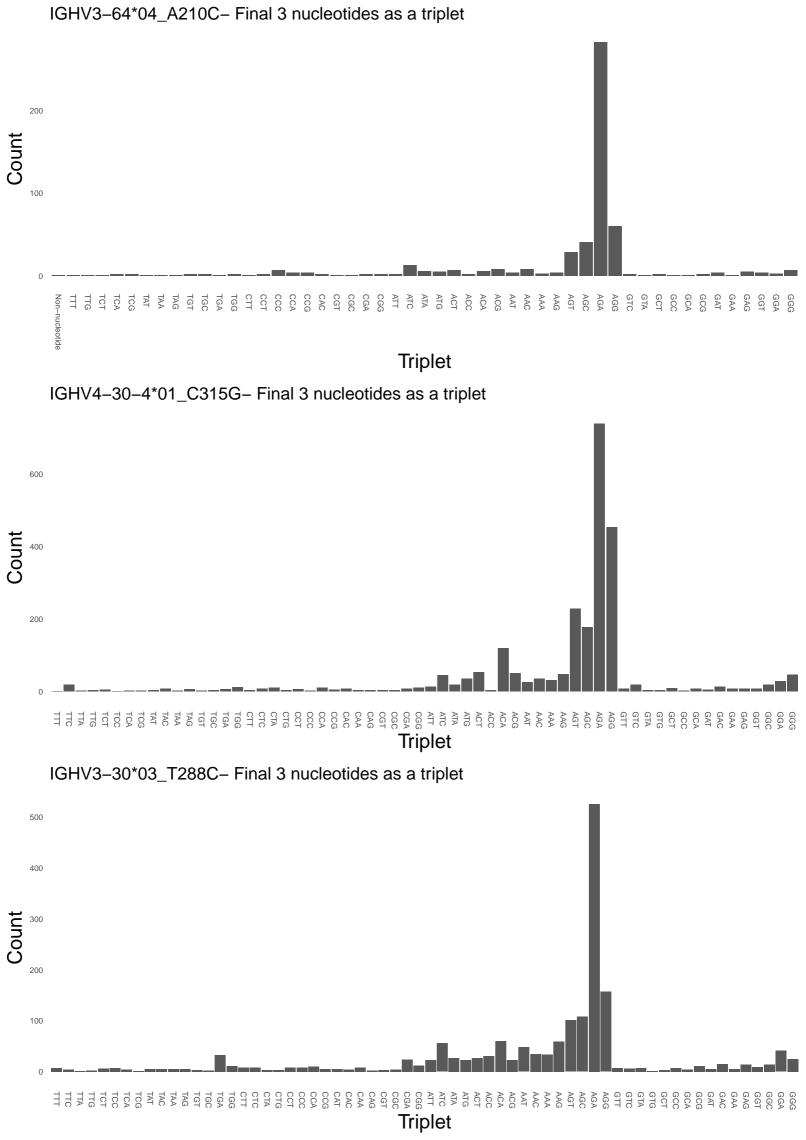
IGHV1-69\*08\_C191T- Final 3 nucleotides as a triplet



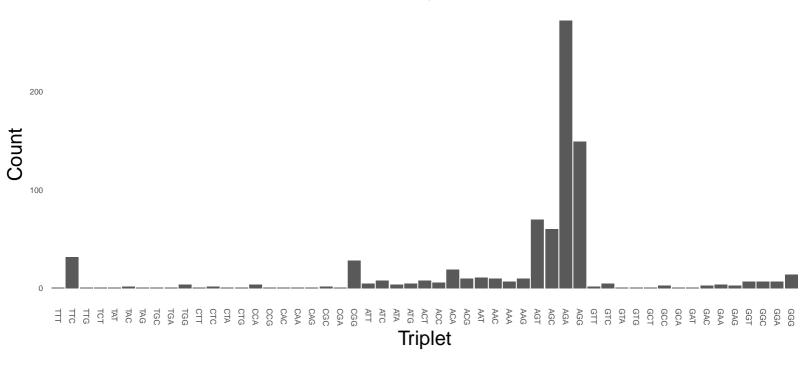
IGHV3-20\*04\_T279C\_C288T\_C300T\_T301G- Final 3 nucleotides as a triplet

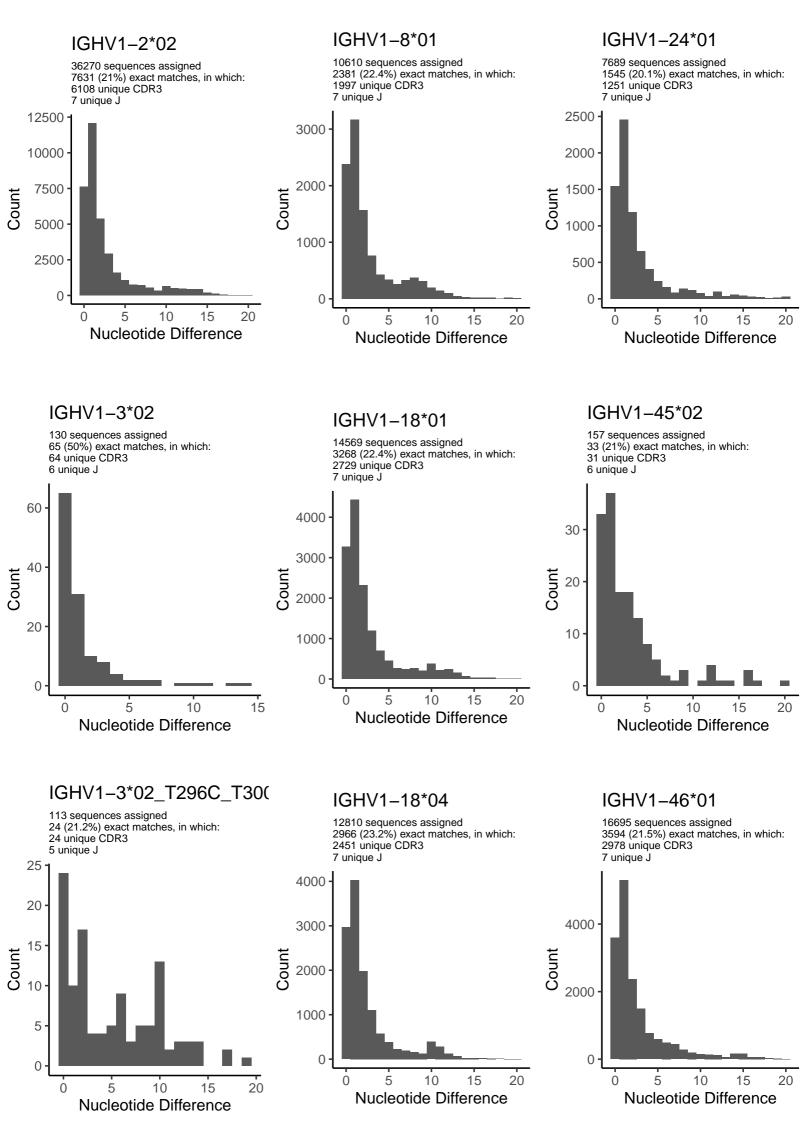


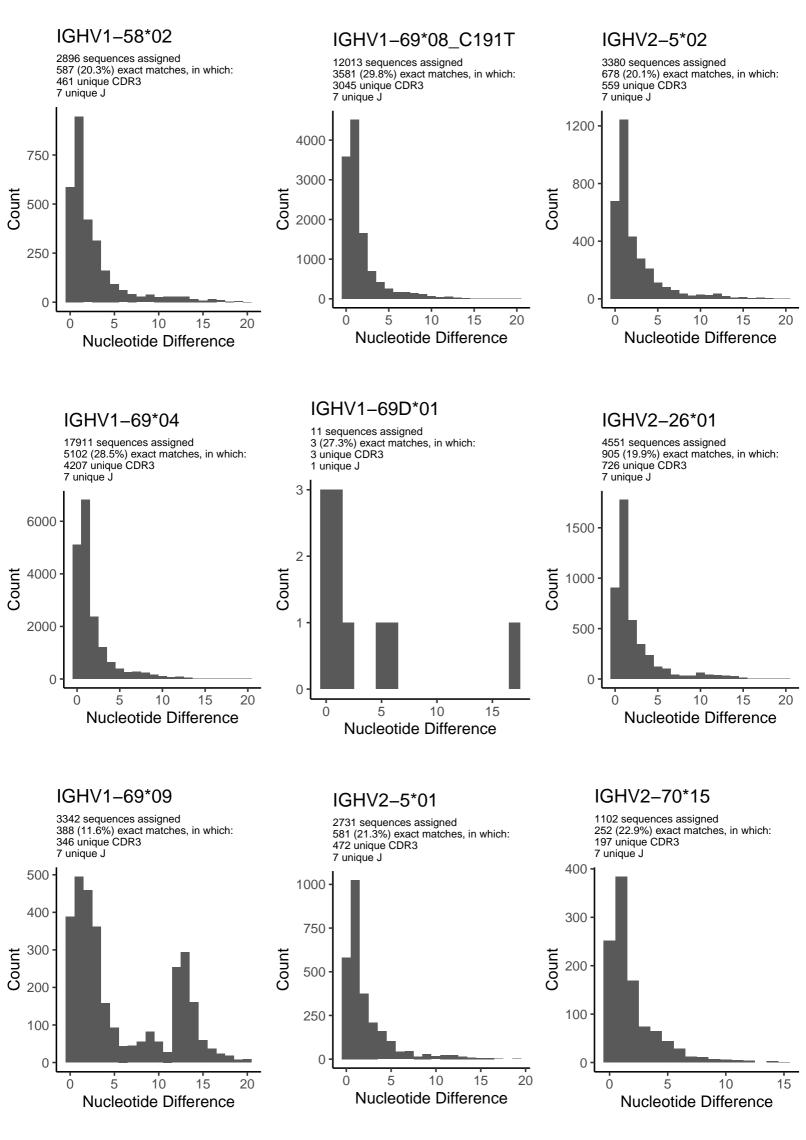


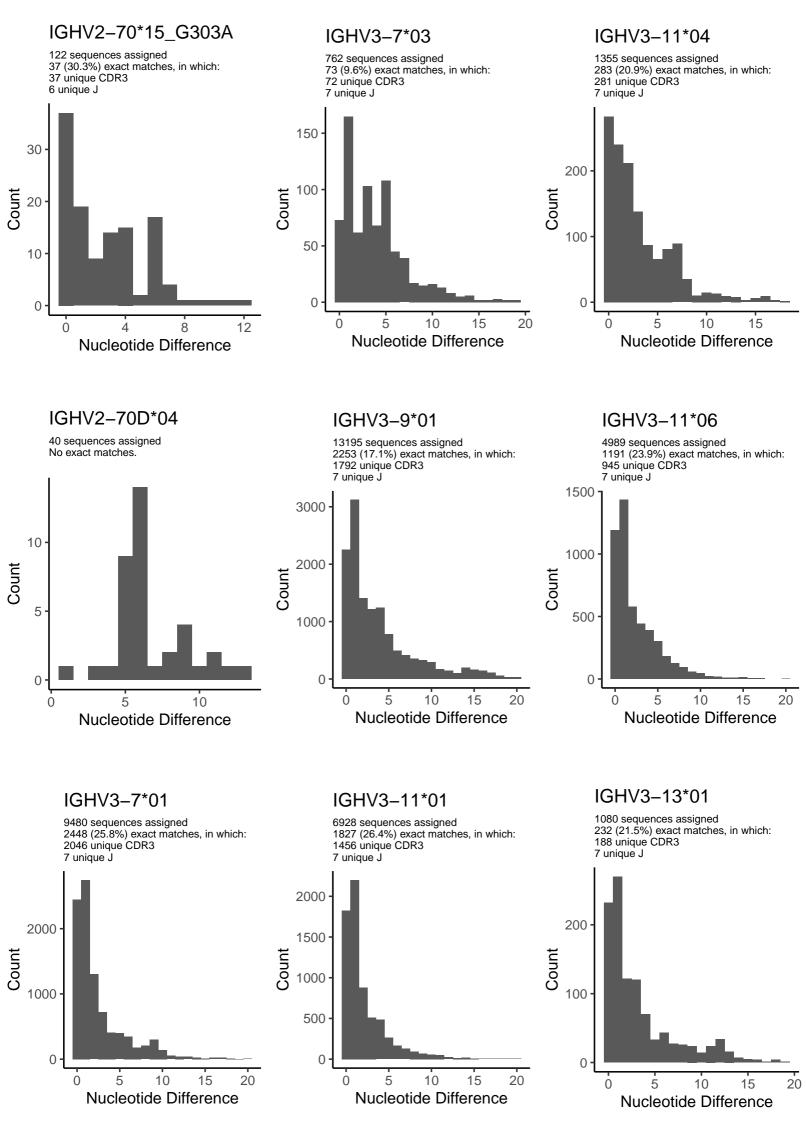


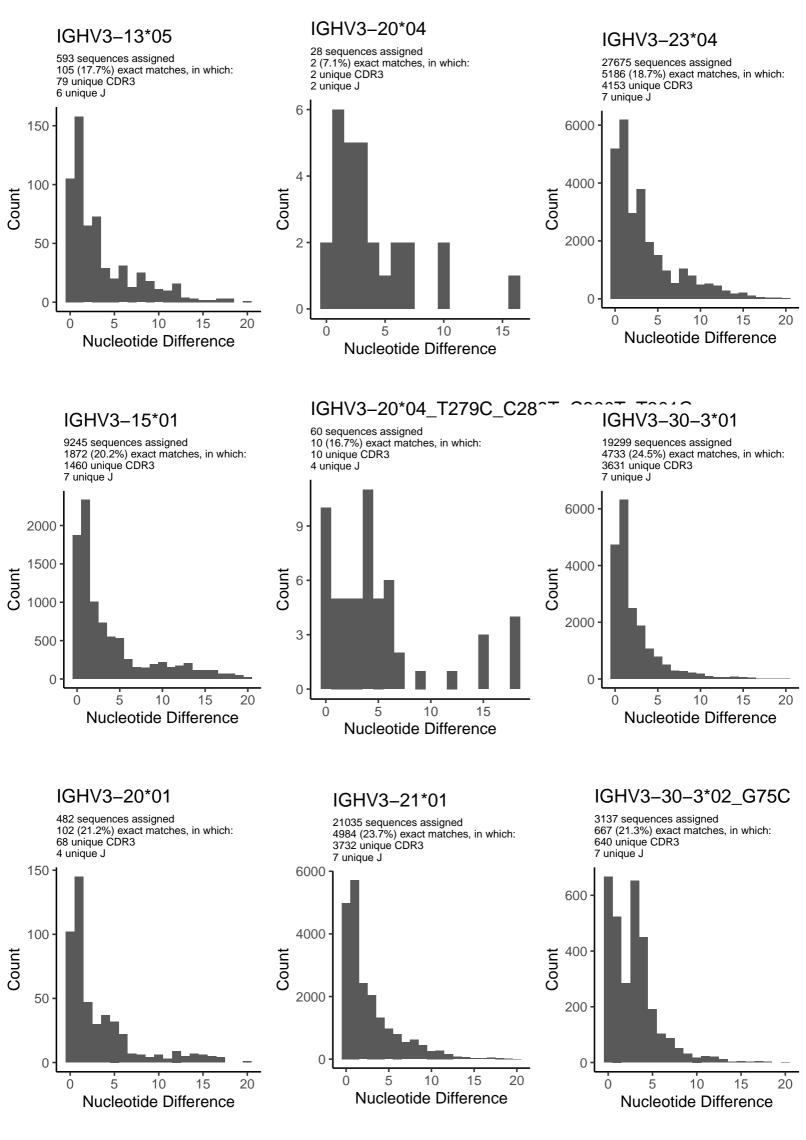
IGHV6-1\*01\_A315G- Final 3 nucleotides as a triplet

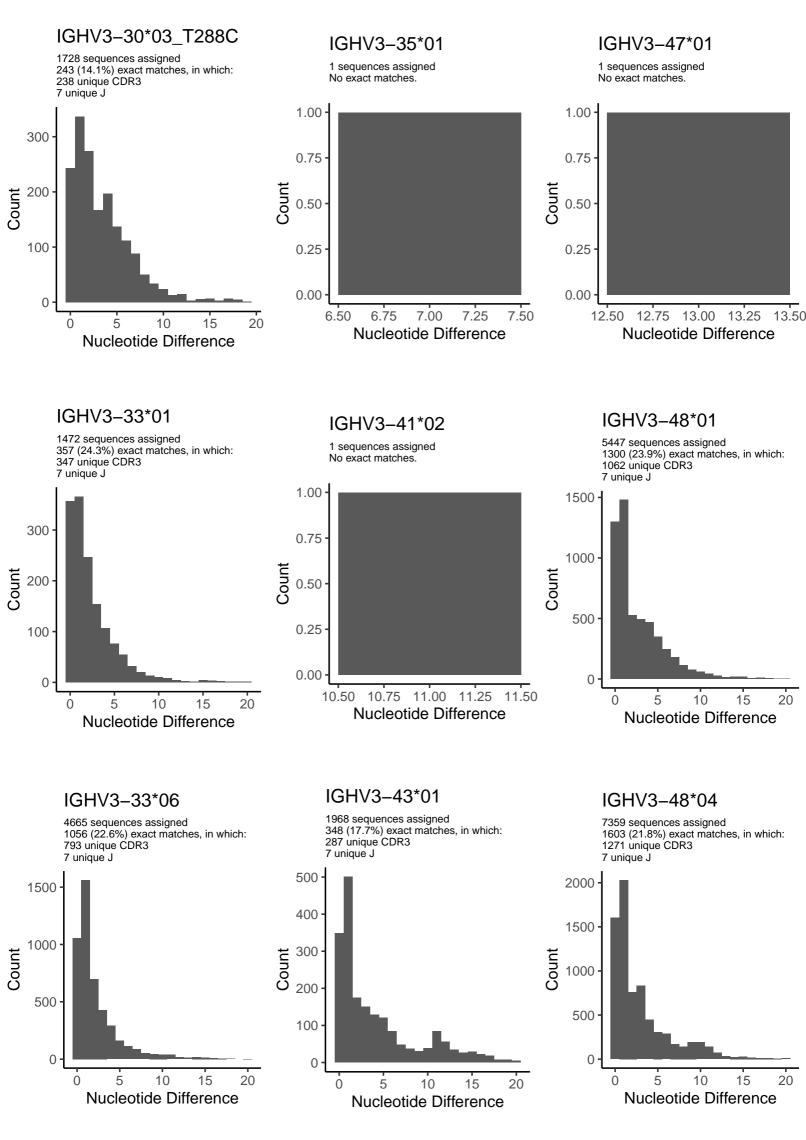


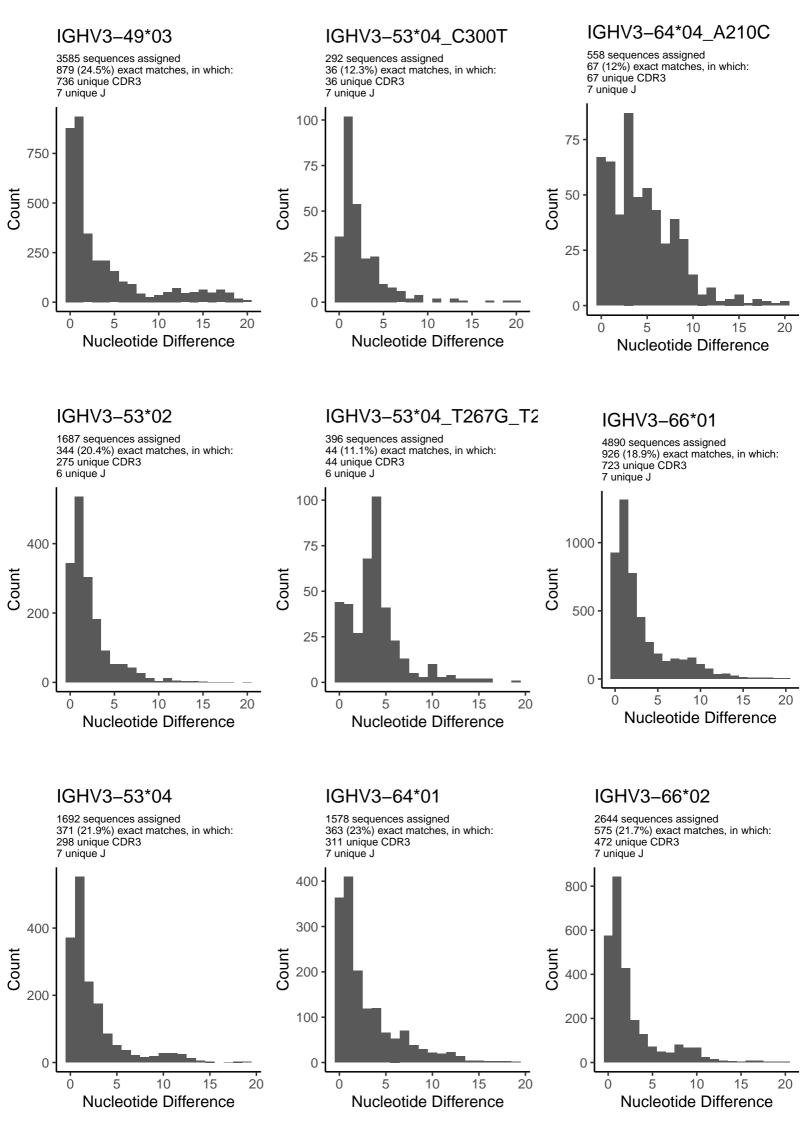


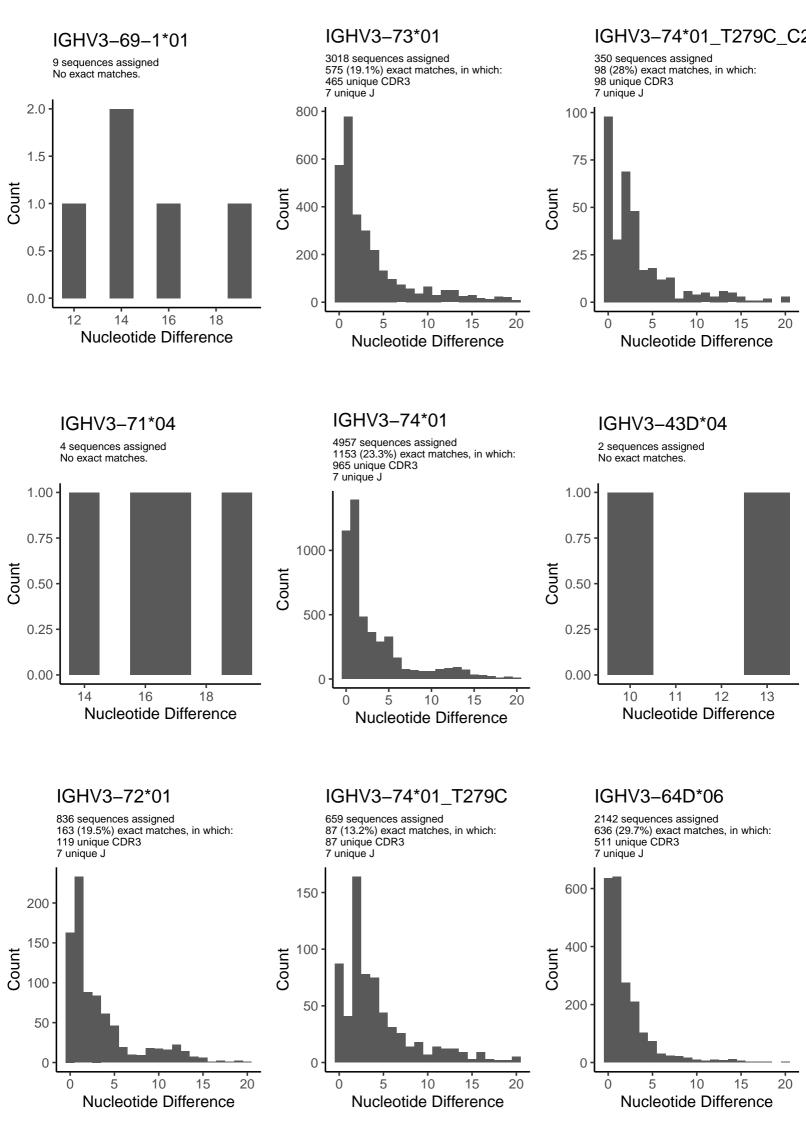


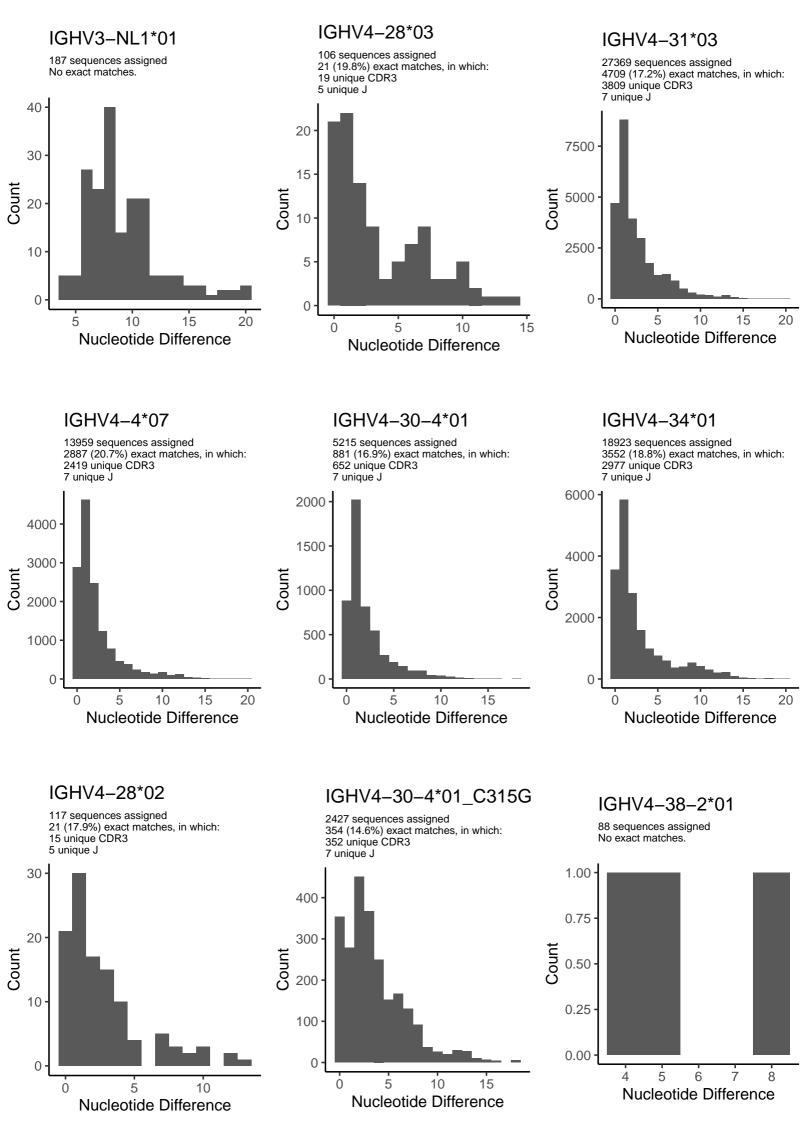


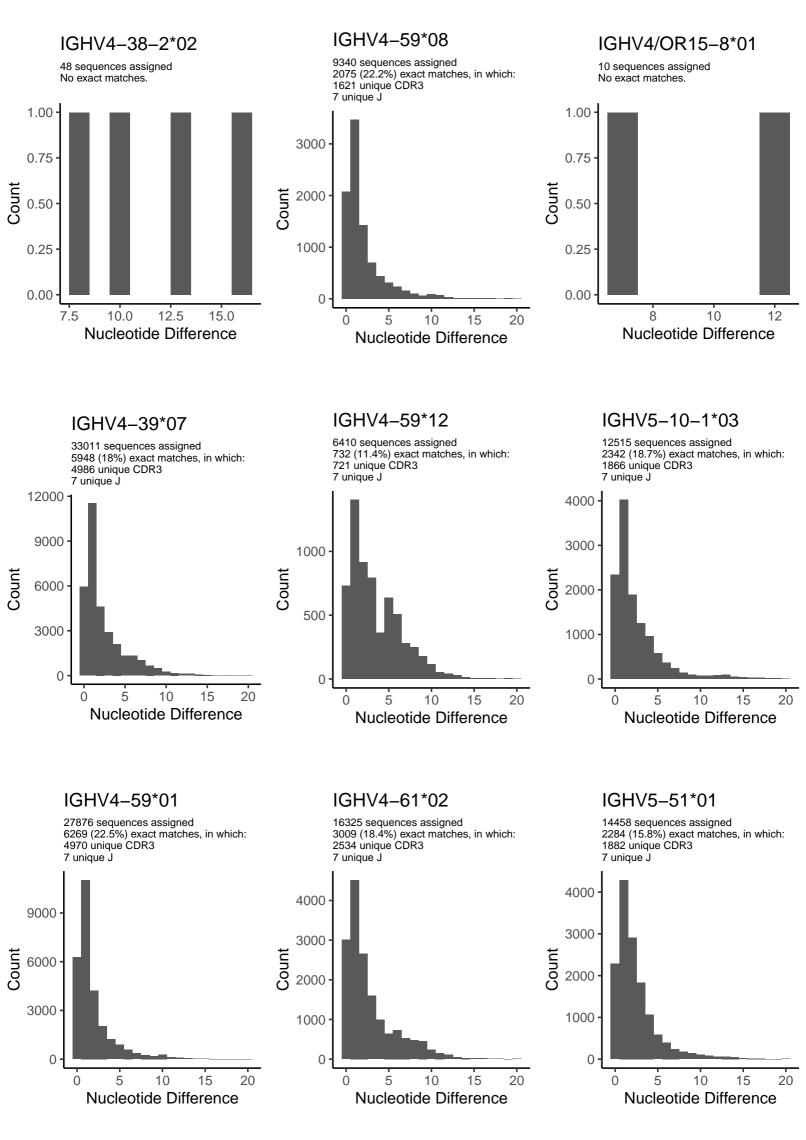








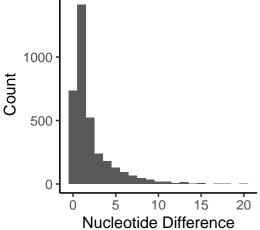




## IGHV7-81\*01 IGHV5-51\*03 7112 sequences assigned 1670 (23.5%) exact matches, in which: 1368 unique CDR3 7 unique J 4 sequences assigned 1 (25%) exact matches, in which: 1 unique CDR3 1 unique J 1.00 0.75 2000 Count 1000 Count Count 0.25 0 0.00 0 10 15 20 4 0 **Nucleotide Difference Nucleotide Difference**

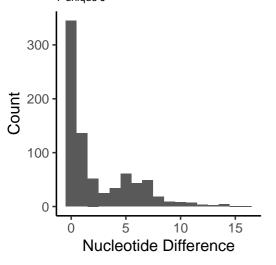
## IGHV6-1\*01

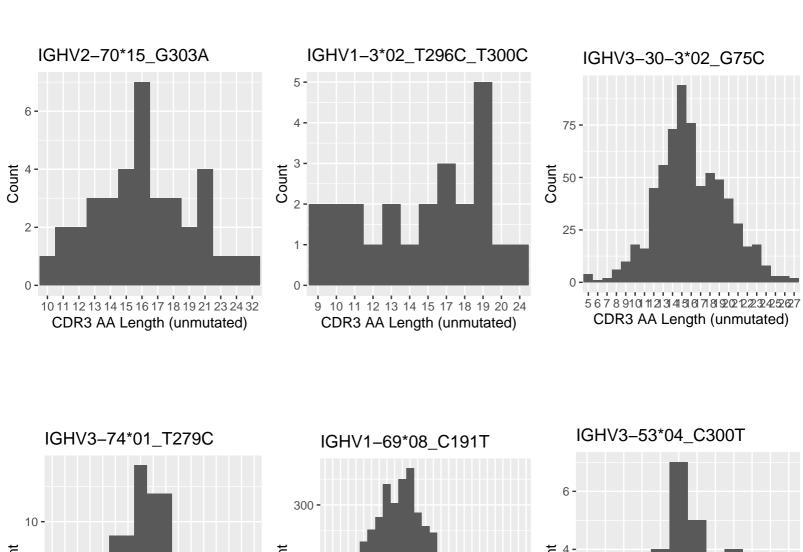
3529 sequences assigned 736 (20.9%) exact matches, in which: 538 unique CDR3 7 unique J

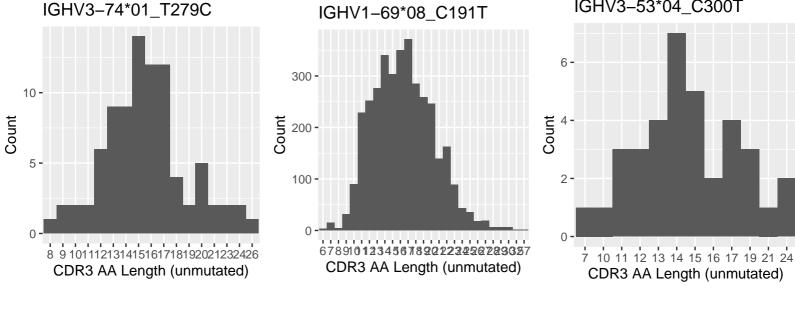


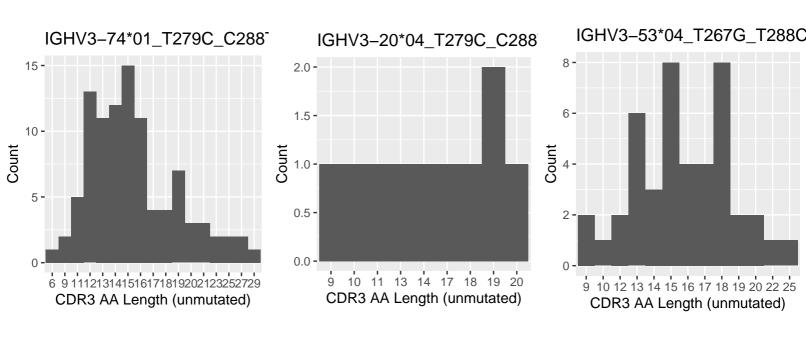
## IGHV6-1\*01\_A315G

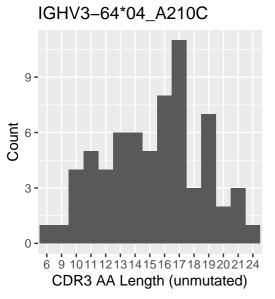
803 sequences assigned 345 (43%) exact matches, in which: 340 unique CDR3 7 unique J

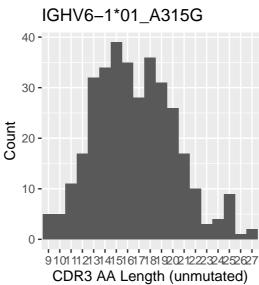


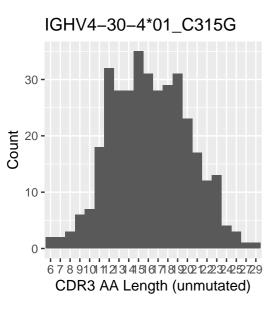


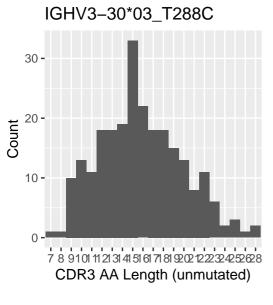














## Sequence Count by IGHJ6 allele usage

