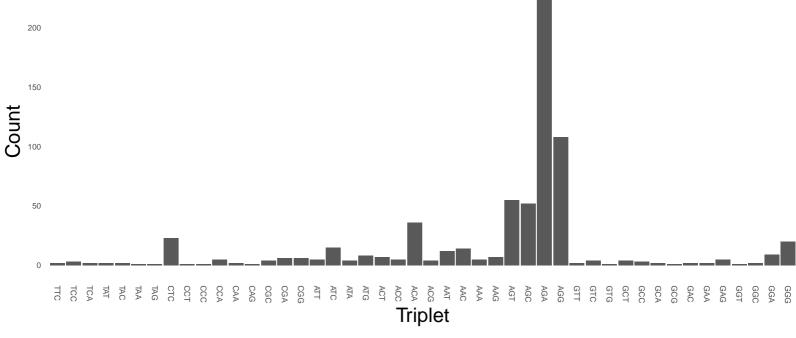
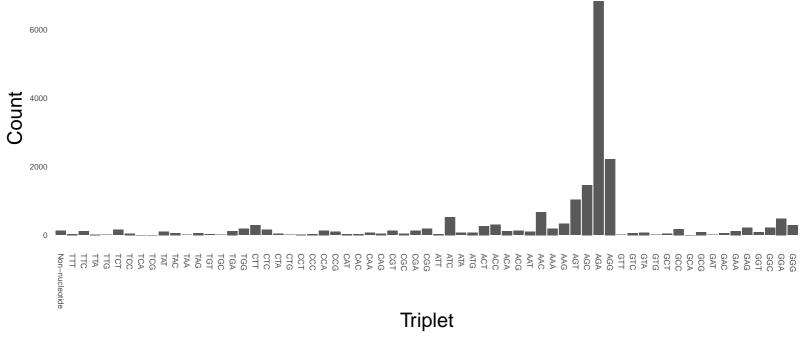


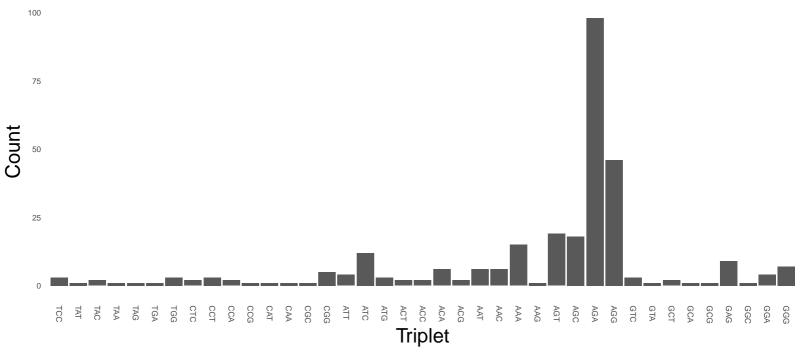
IGHV1-24\*01\_A315G\_C317G- Final 3 nucleotides as a triplet



IGHV1-69\*14\_G163A- Final 3 nucleotides as a triplet



IGHV1-69-2\*01\_A315G\_C317G- Final 3 nucleotides as a triplet



IGHV3-9\*01\_C246T- Final 3 nucleotides as a triplet 3000 2000 1000 **Triplet** IGHV3-13\*01\_A315G- Final 3 nucleotides as a triplet AAG TCA AT ATC ATG ACA ACG AGT AGC AGA **Triplet** IGHV3-53\*02\_A172G- Final 3 nucleotides as a triplet 250 200 50 | GGG Non-nucleotide **Triplet** 

IGHV3-66\*03\_T175G\_T267G- Final 3 nucleotides as a triplet 200 50 AGG

AAGT

AAAG

AAAG

AAAA

AAAA

AAAC

AACA

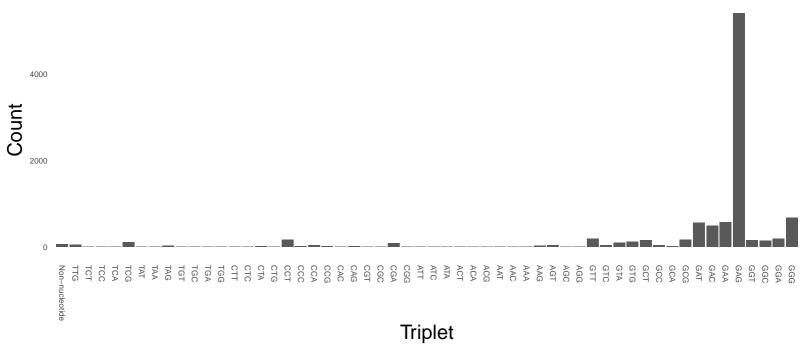
AACA

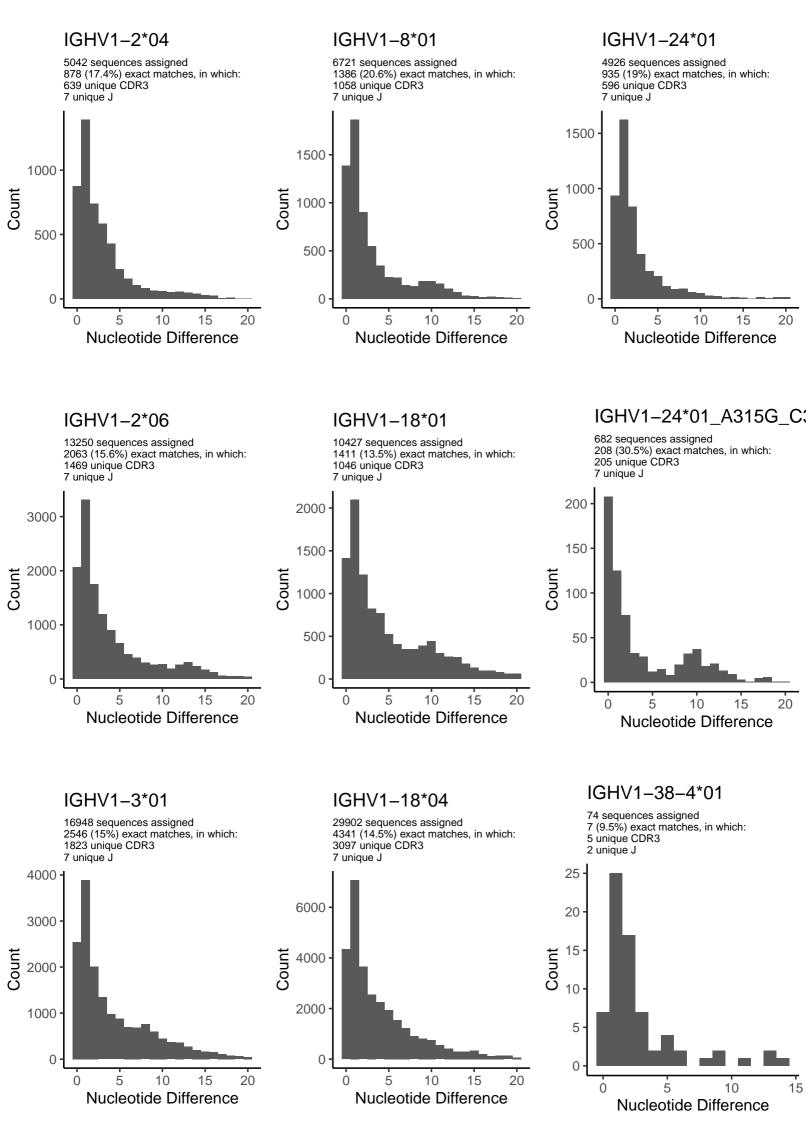
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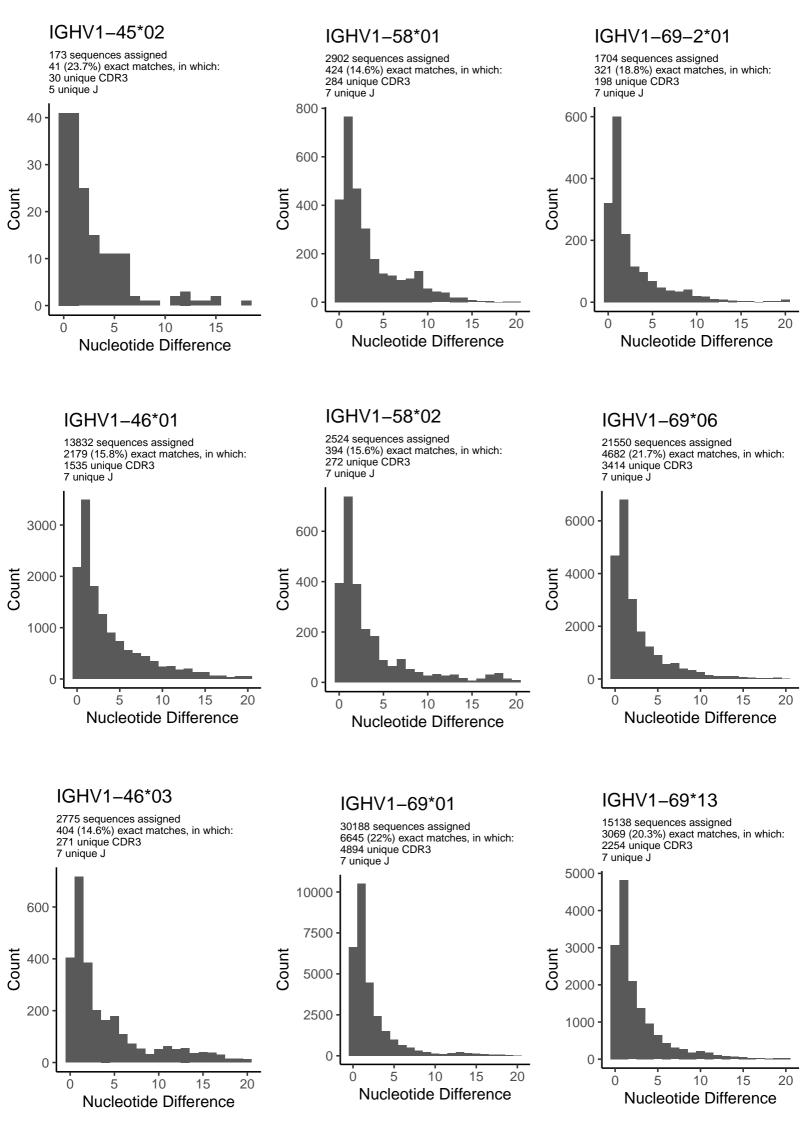
ACA

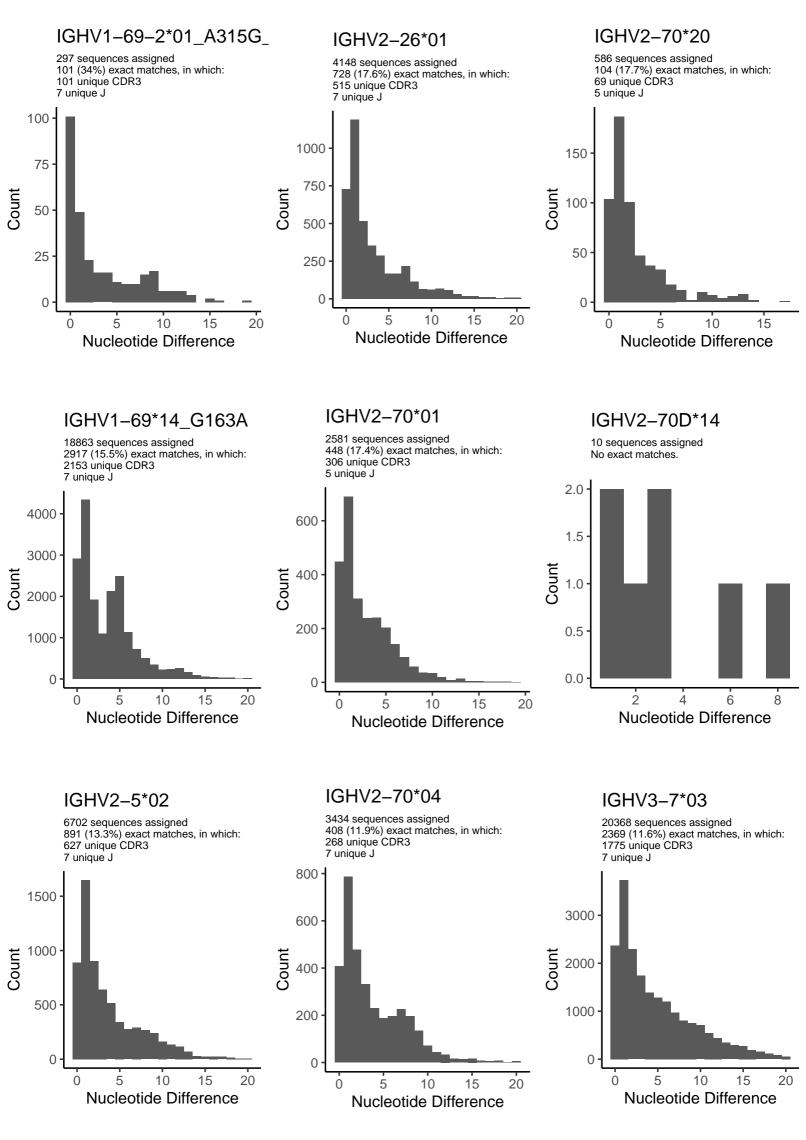
AC **Triplet** IGHV4-30-2\*01\_C315G- Final 3 nucleotides as a triplet **Triplet** IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet 1500 

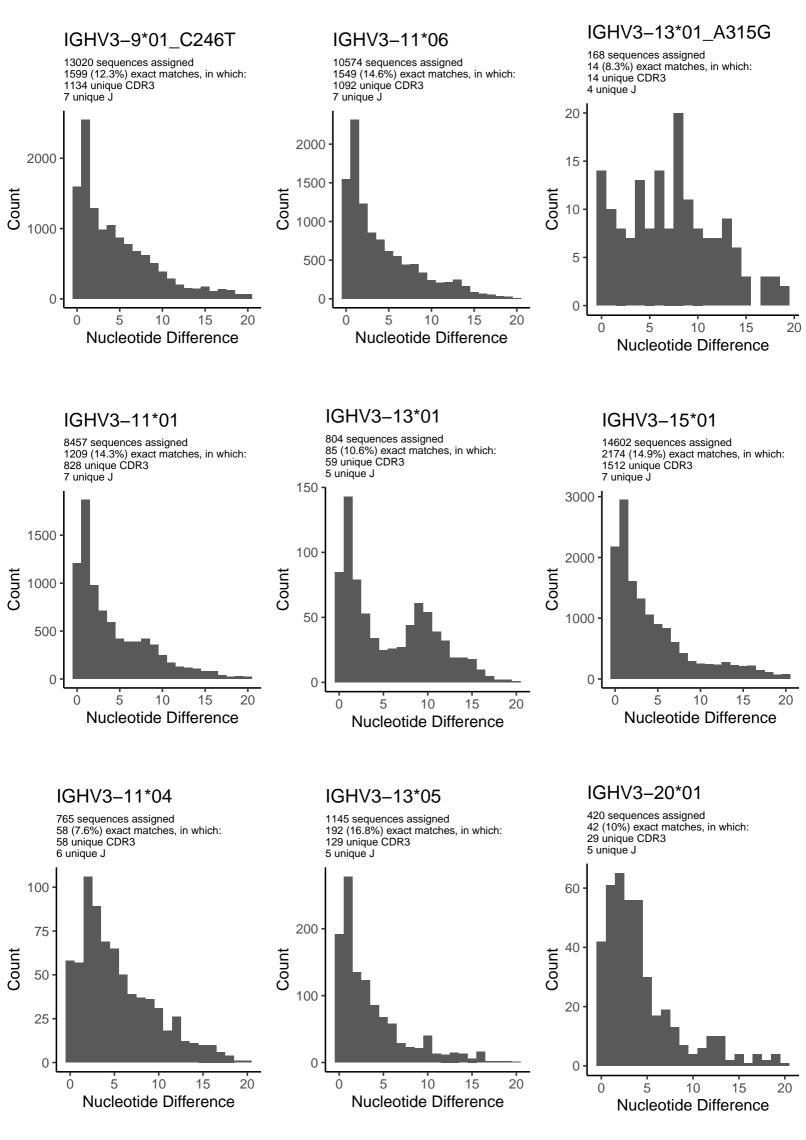
Triplet

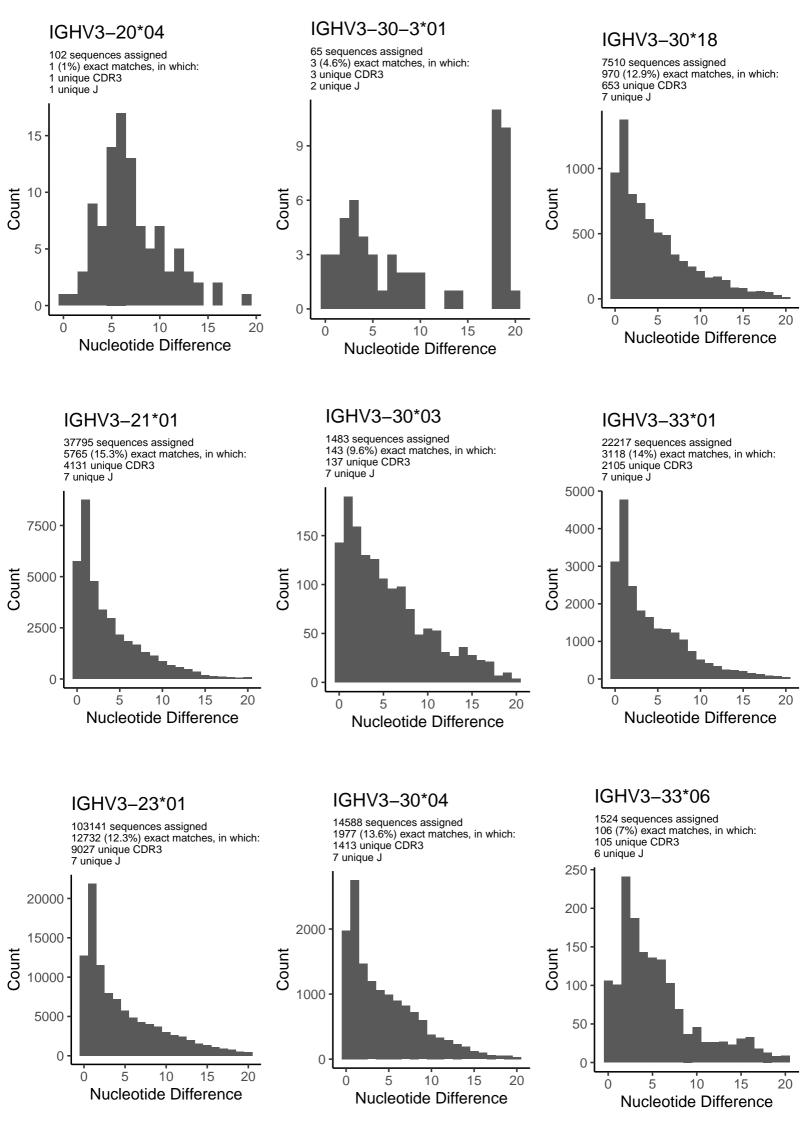


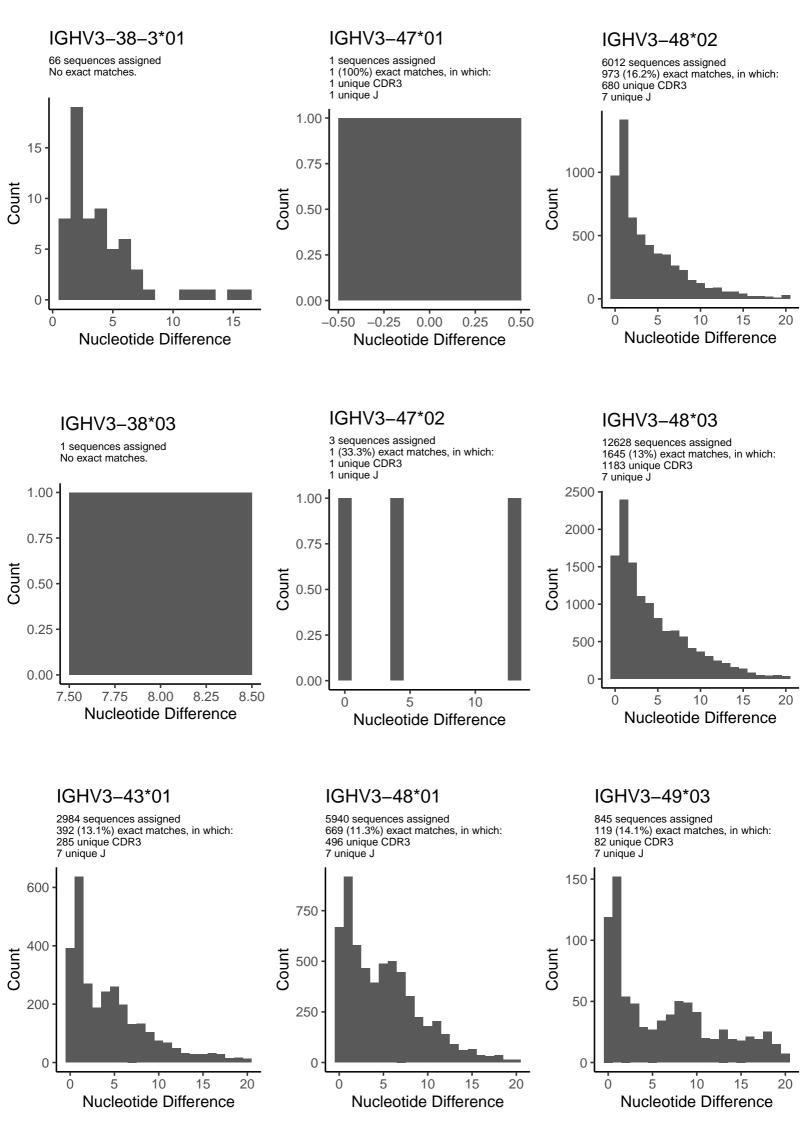


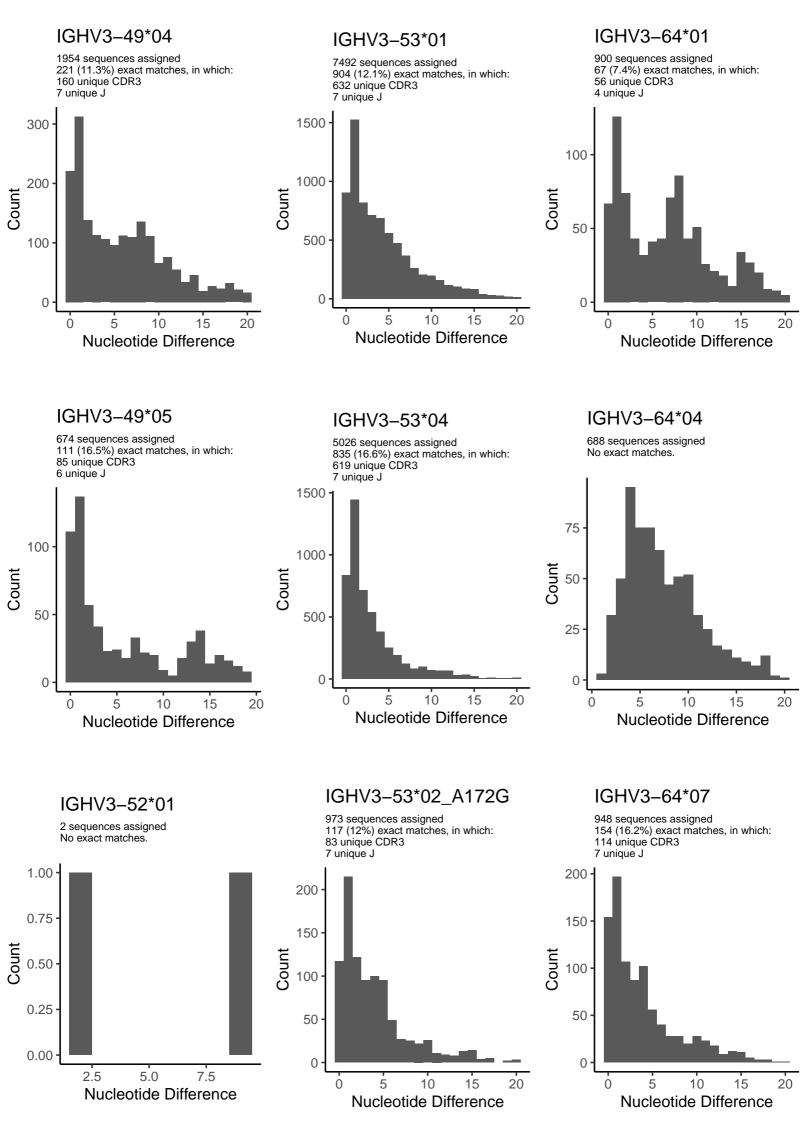


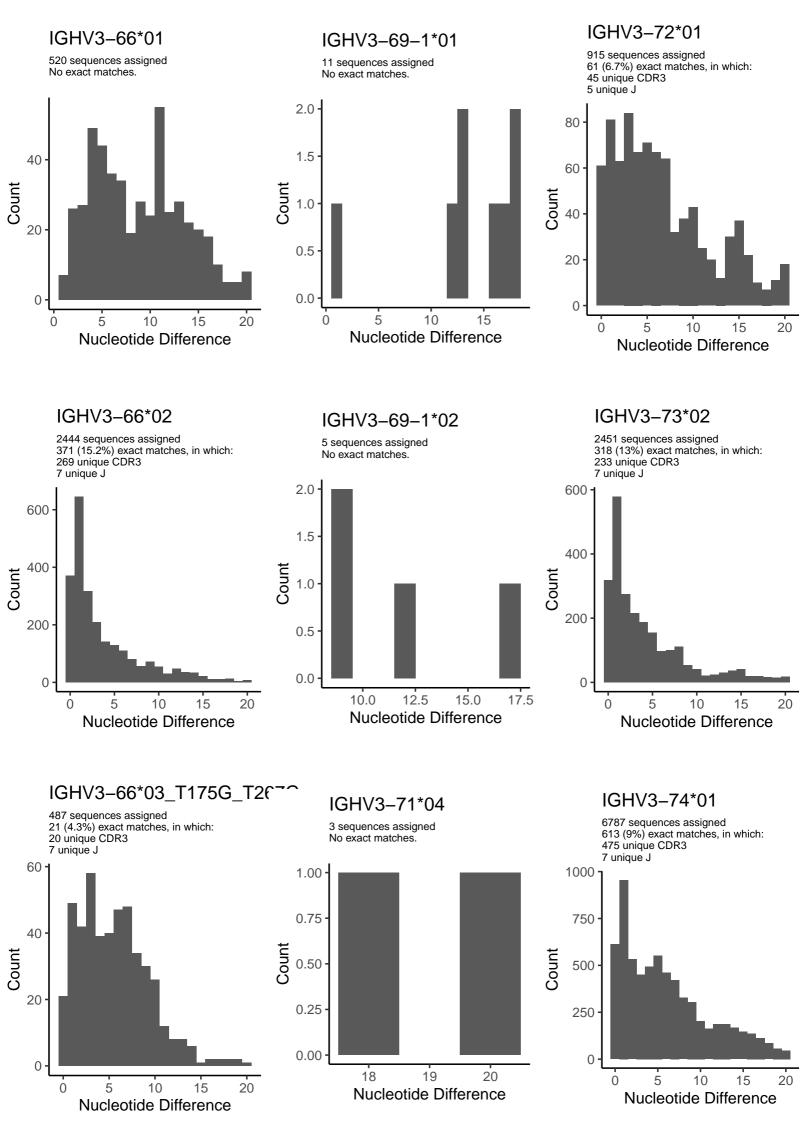


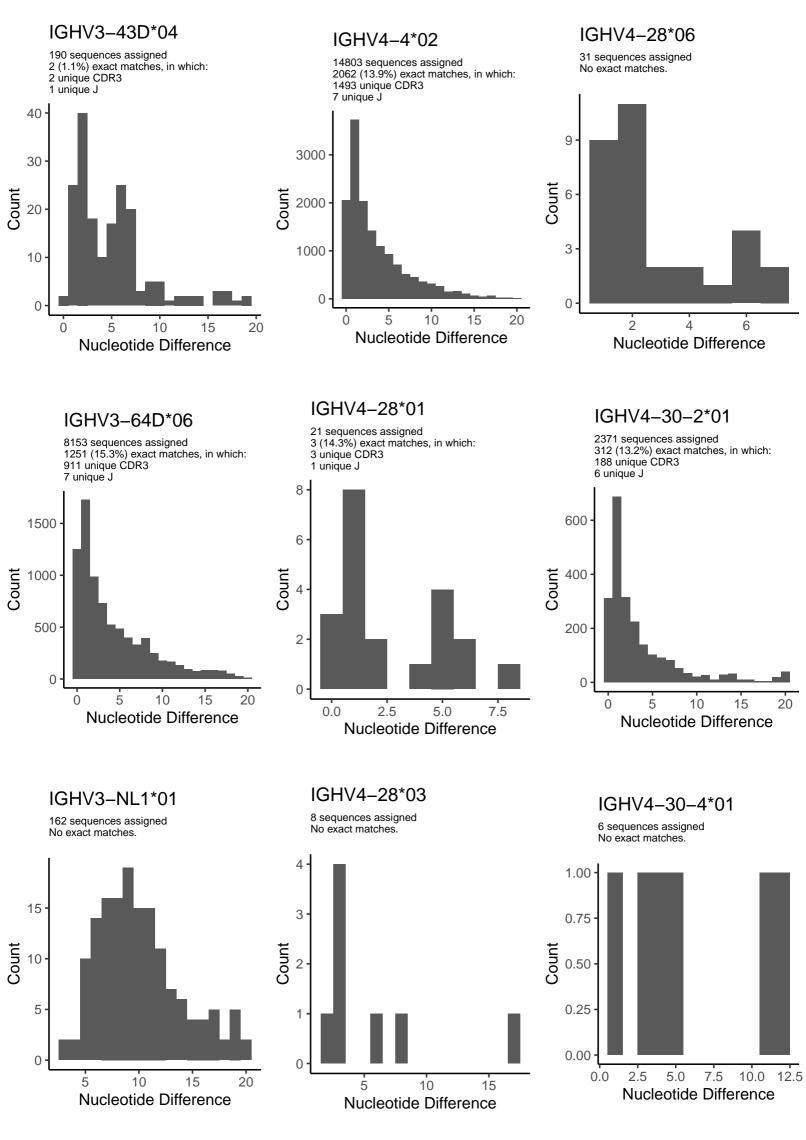


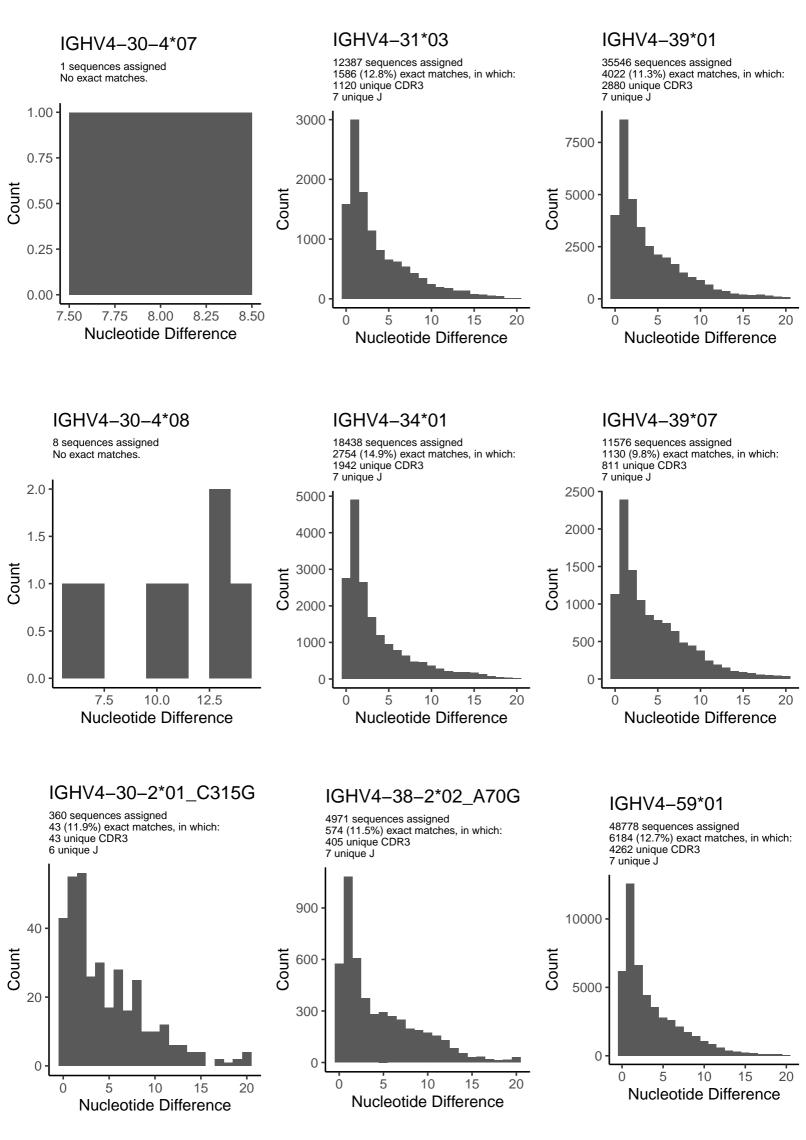


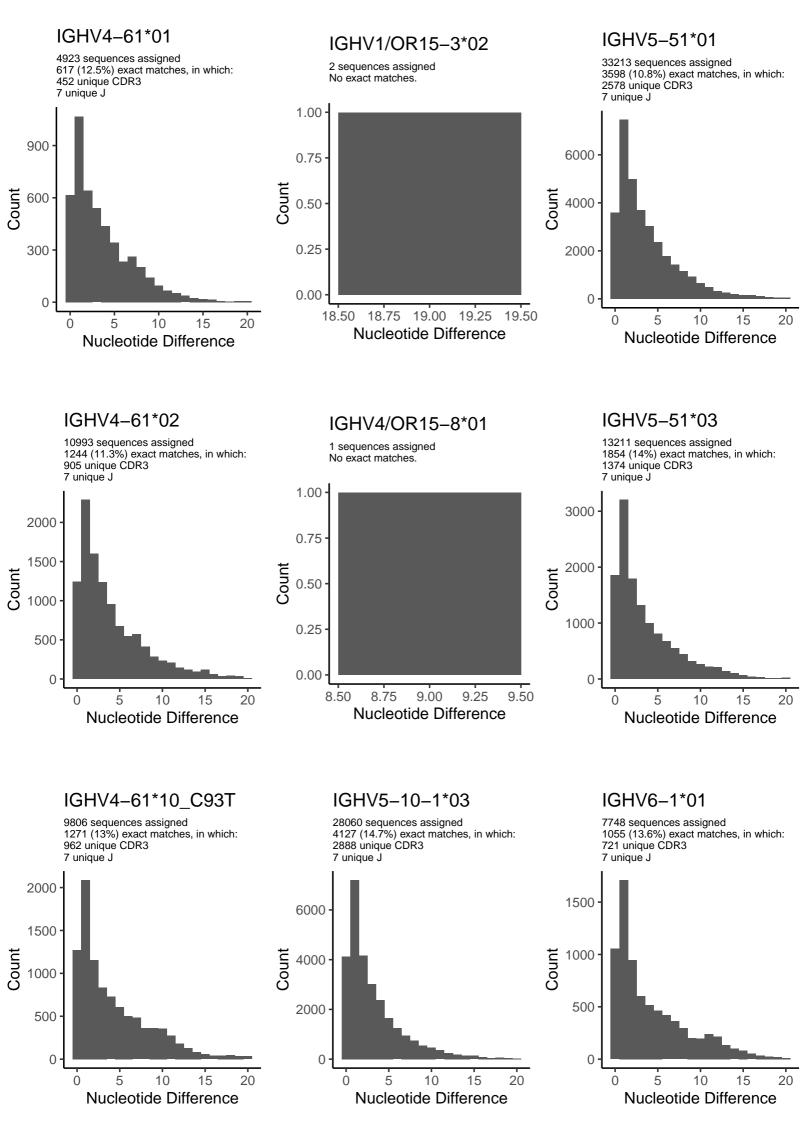






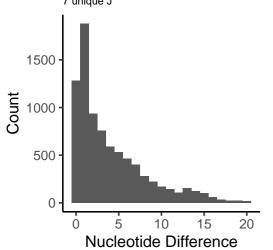


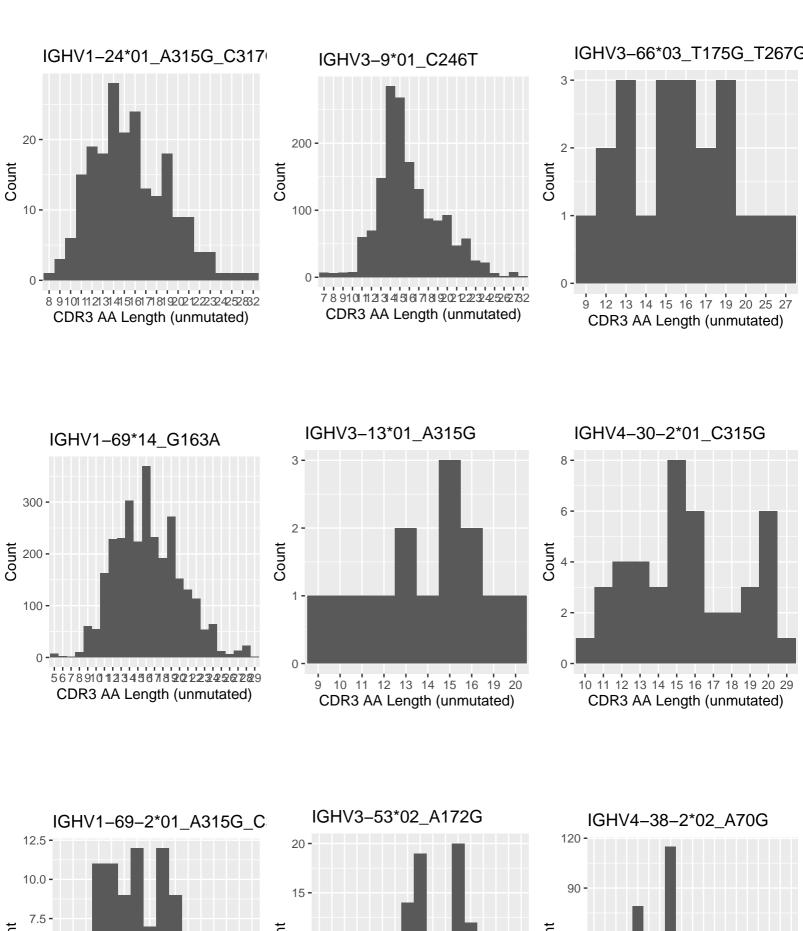


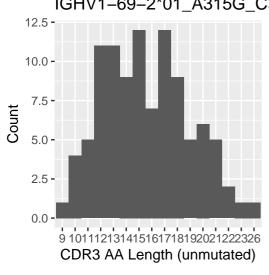


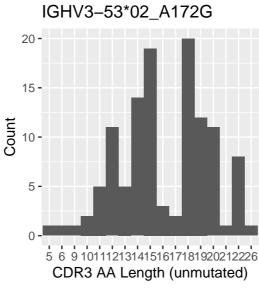
## IGHV7-4-1\*02

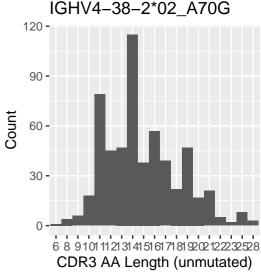
8386 sequences assigned 1281 (15.3%) exact matches, in which: 932 unique CDR3 7 unique J

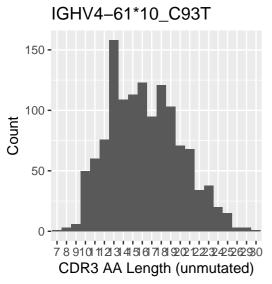


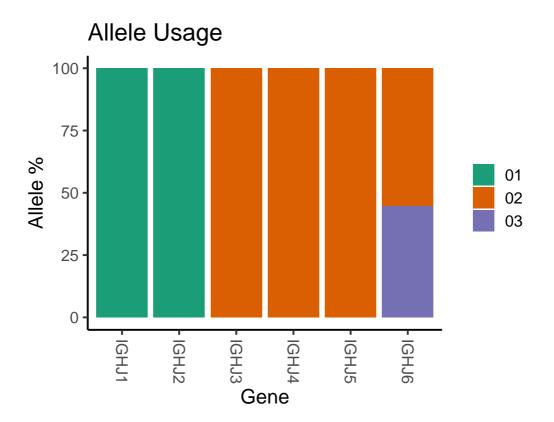












## Sequence Count by IGHJ6 allele usage

