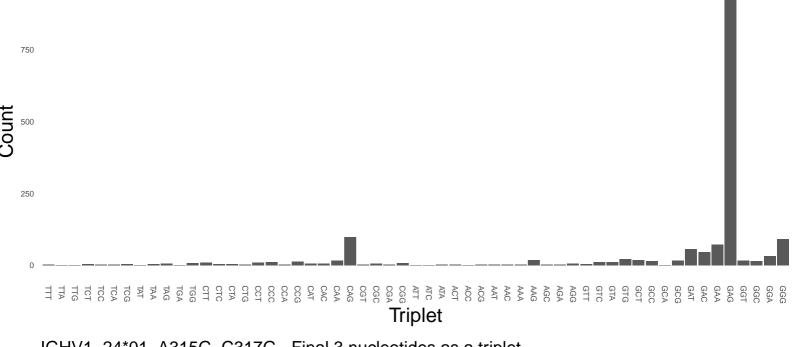
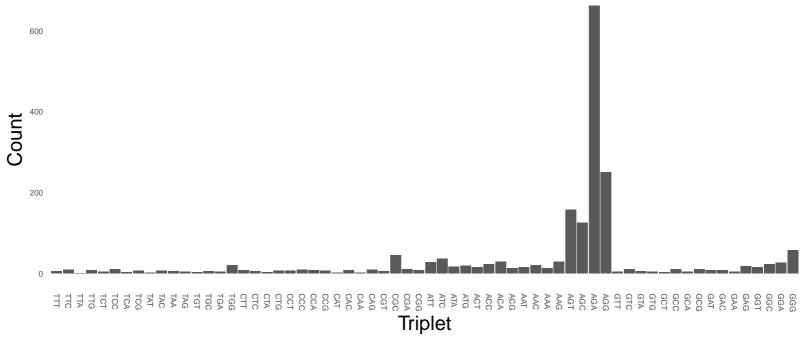


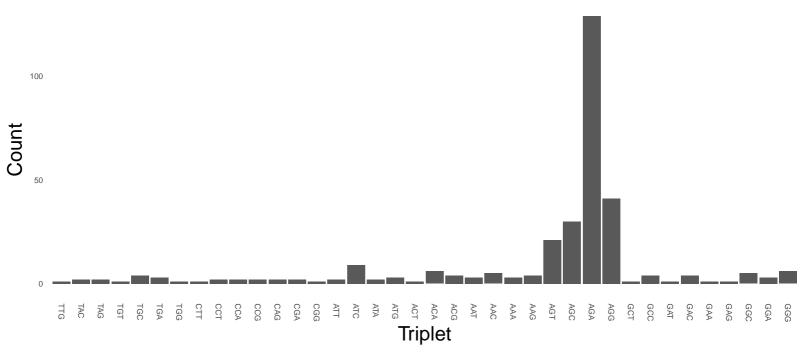
IGHV1-3*04_A291G_T300C- Final 3 nucleotides as a triplet



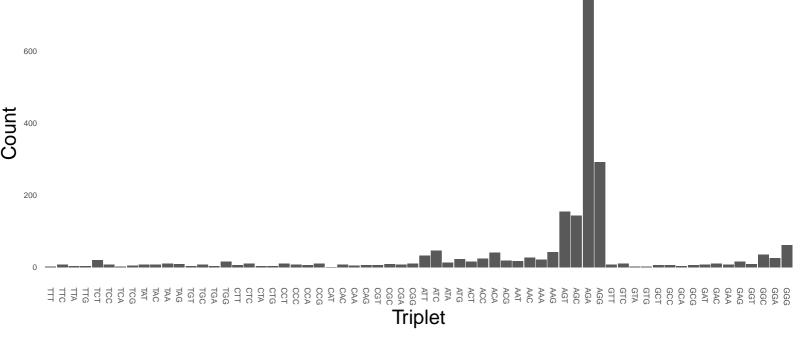
IGHV1-24*01_A315G_C317G- Final 3 nucleotides as a triplet



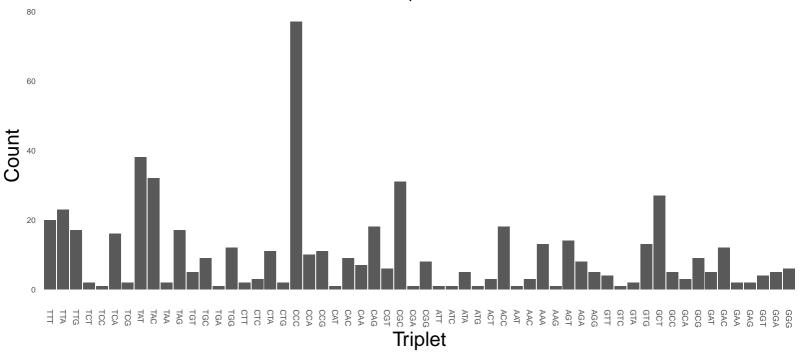
IGHV1-58*02_G316A_C317G- Final 3 nucleotides as a triplet



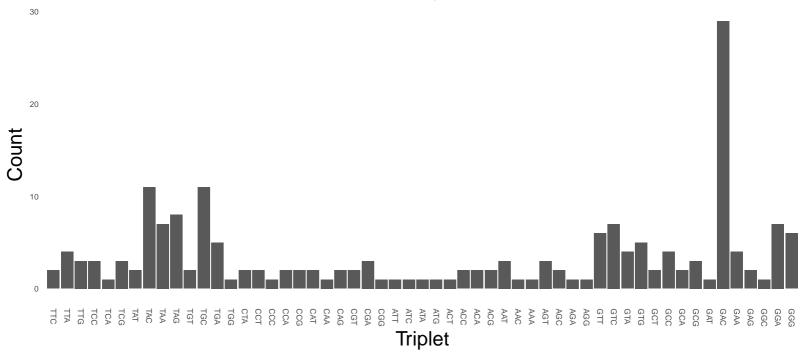
IGHV1-69-2*01_A315G_C317G- Final 3 nucleotides as a triplet

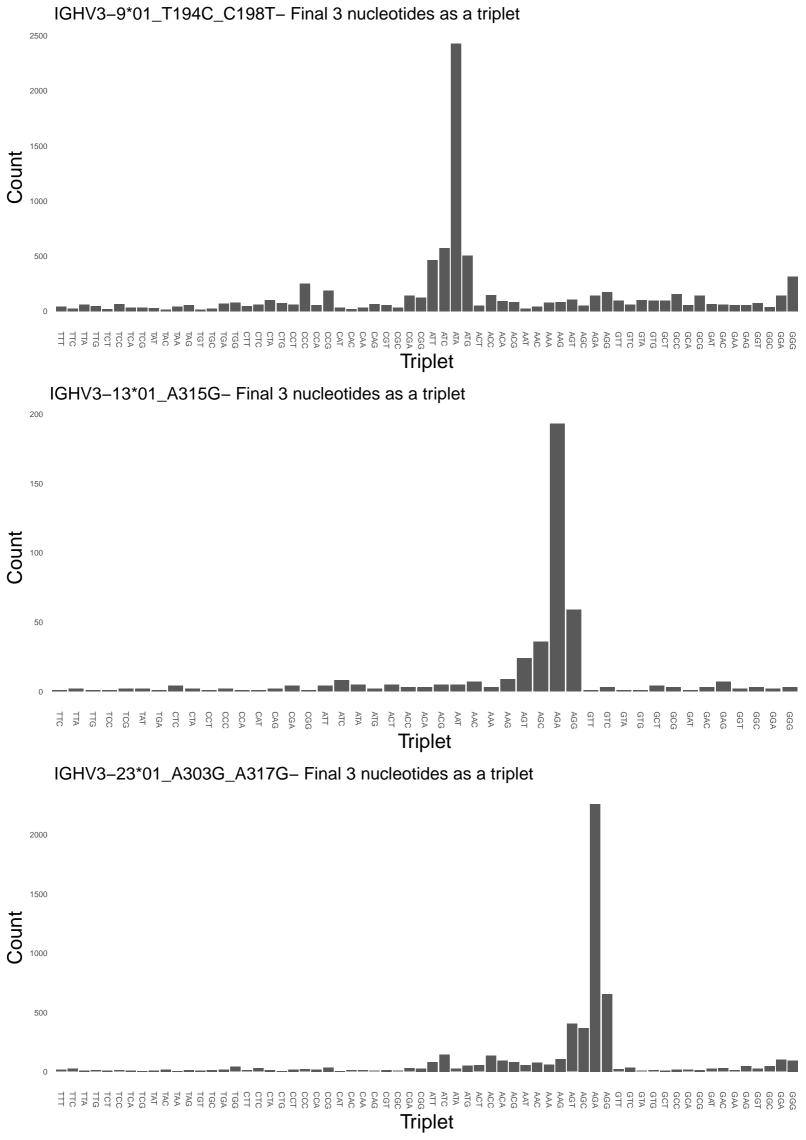


IGHV2-70*04_C6T- Final 3 nucleotides as a triplet



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





AGT AAG AG A

AAC AAT GП

GAT GCA GTC GAC

CGA

CGG

ATC

ATA

ATT

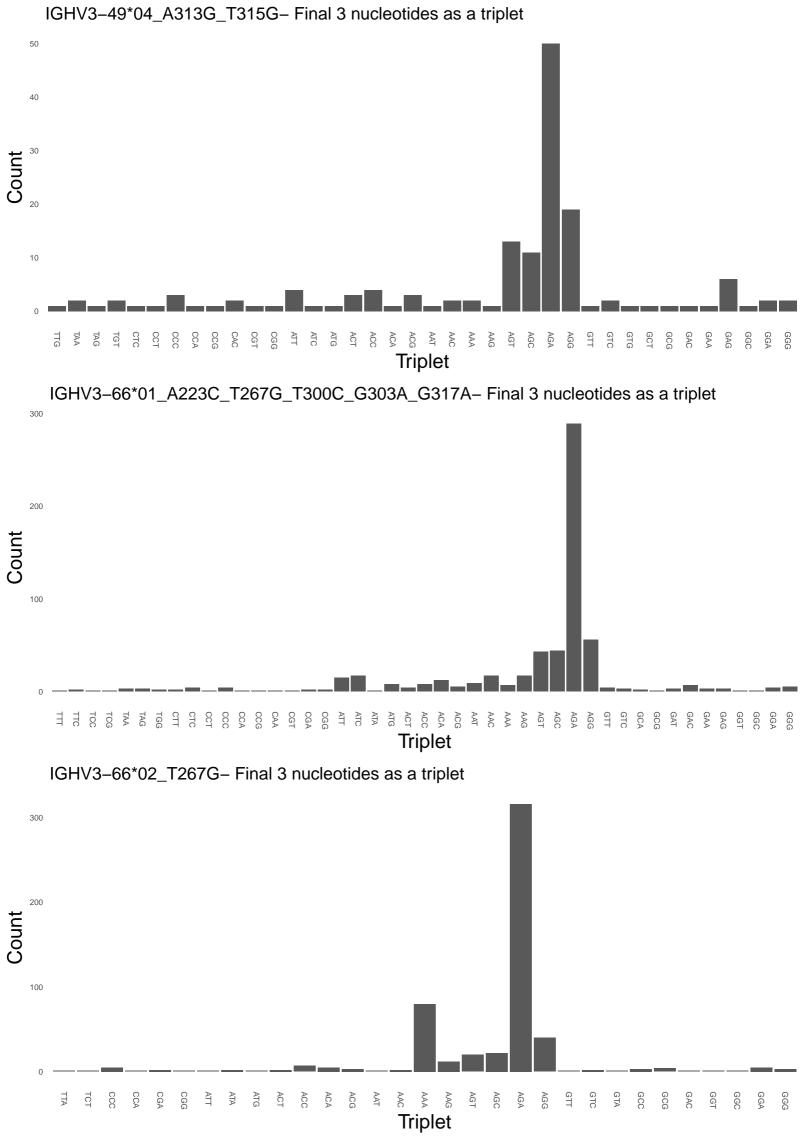
ACT ATG ACG ACA

Triplet

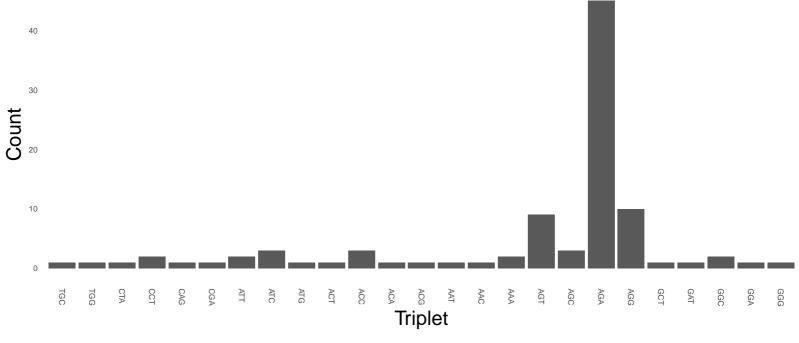
CGC CCC CTC

TGA

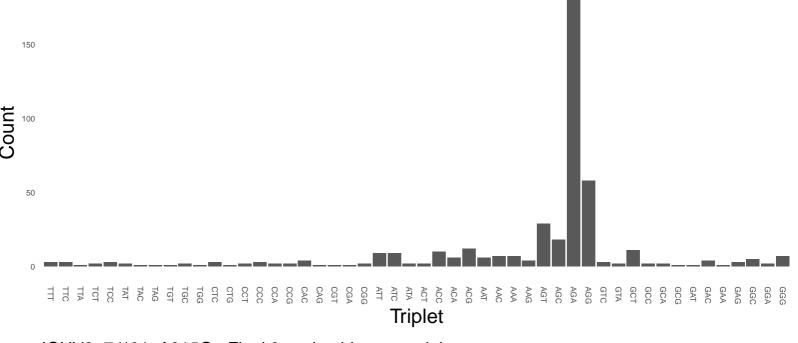
TAA TCC TTC



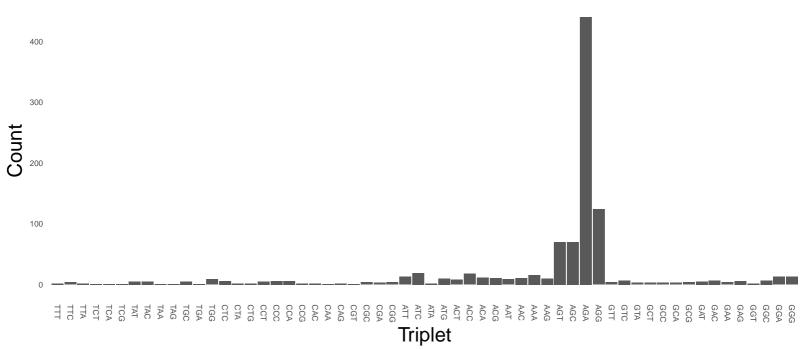
IGHV3-72*01_T315G- Final 3 nucleotides as a triplet



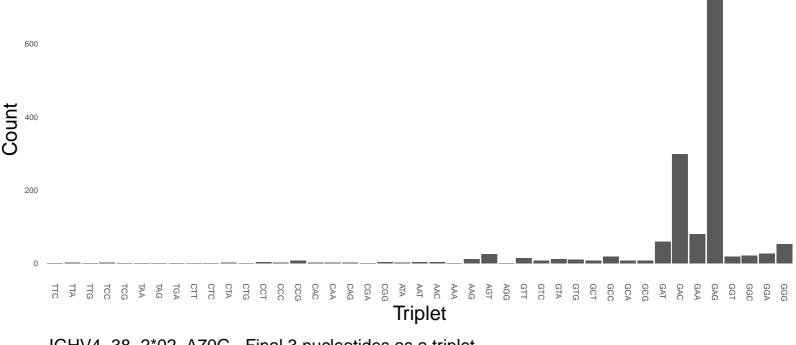
IGHV3-73*01_A313G_T315G- Final 3 nucleotides as a triplet



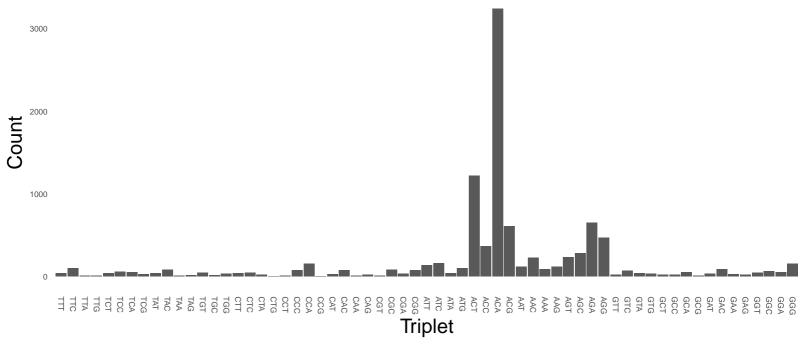
IGHV3-74*01_A315G- Final 3 nucleotides as a triplet



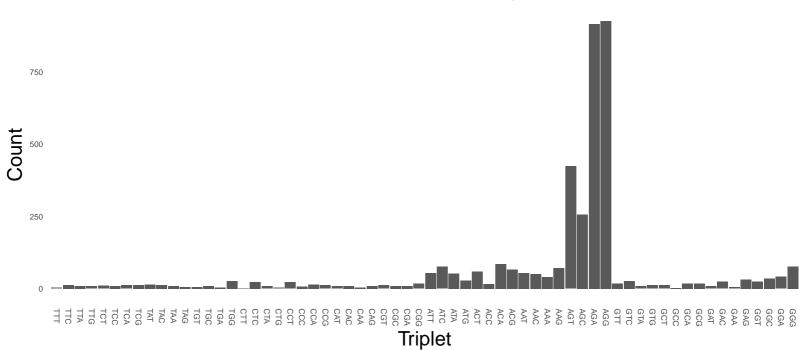
IGHV4-30-4*08_C315G- Final 3 nucleotides as a triplet



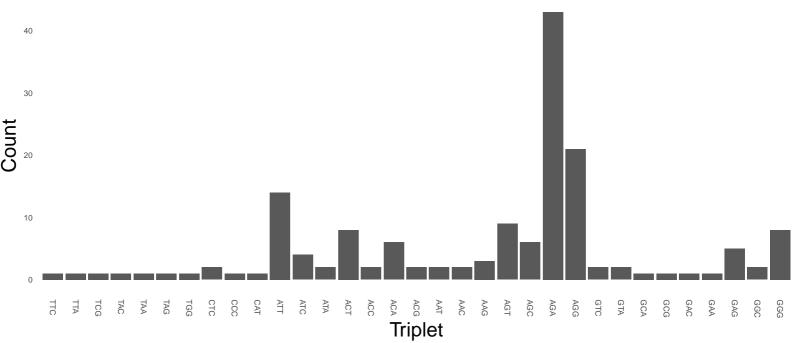
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

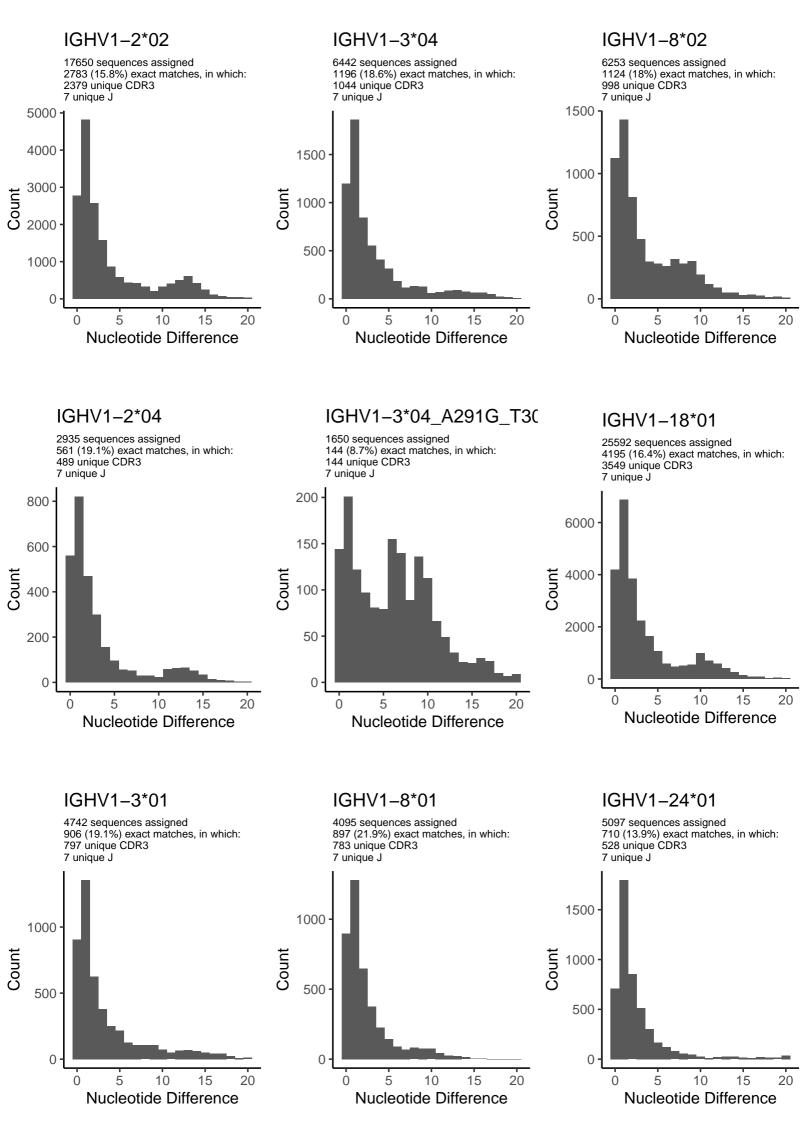


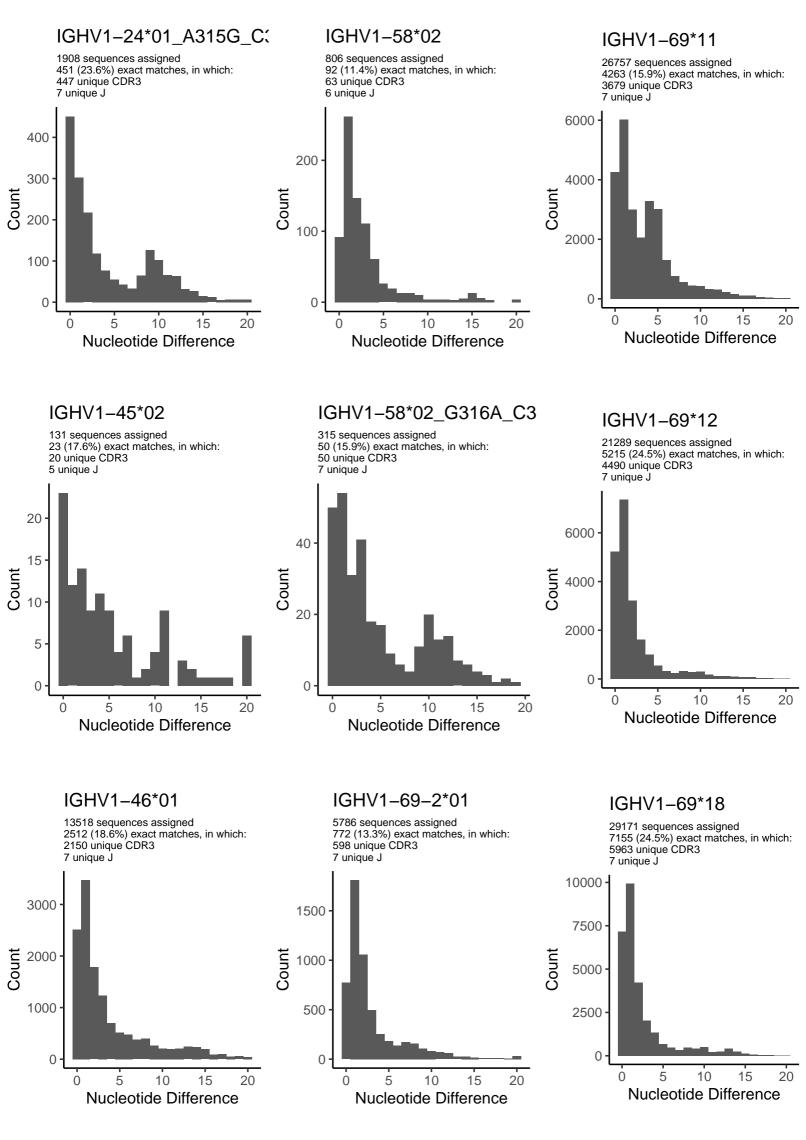
IGHV4-38-2*02_A70G_A291G- Final 3 nucleotides as a triplet

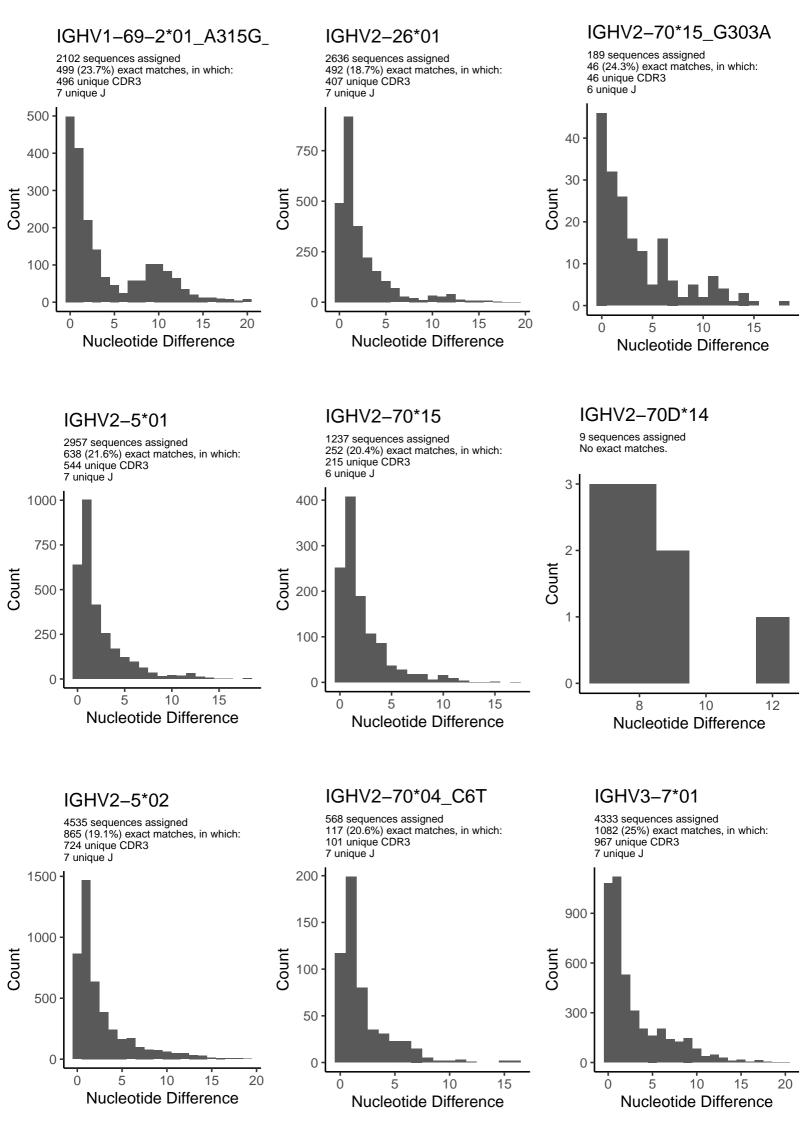


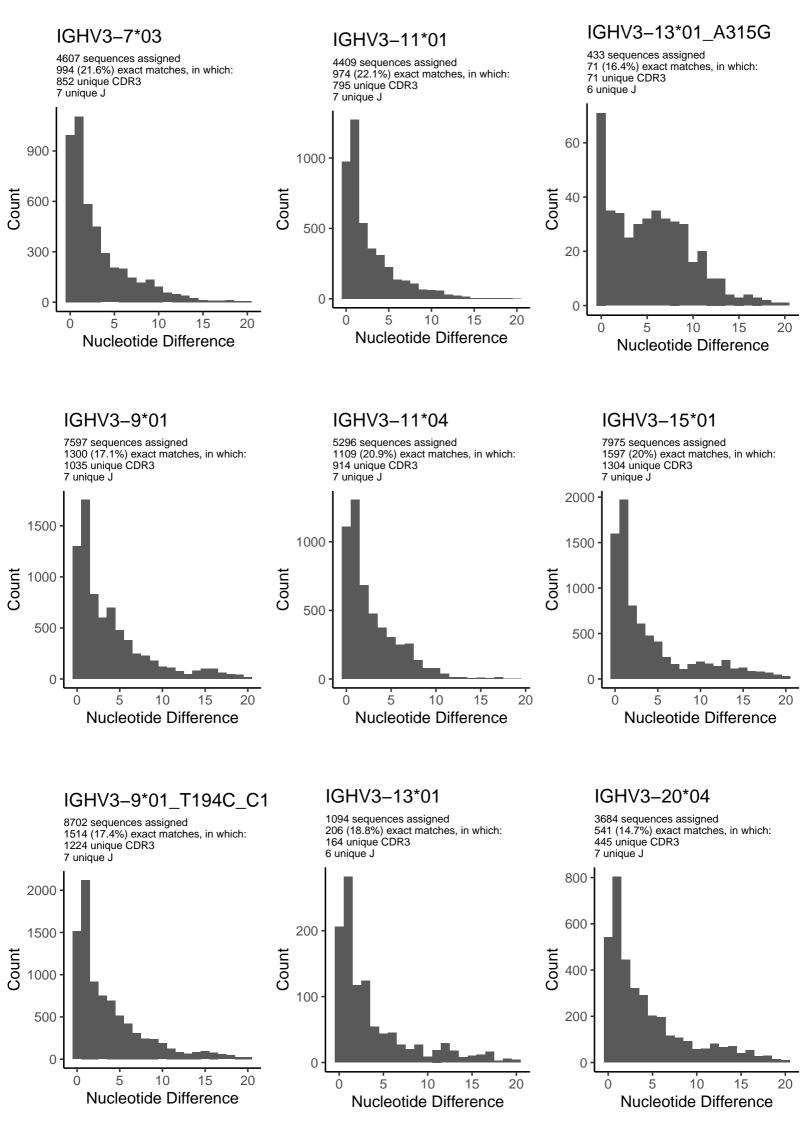
IGHV4-39*01_C237A_T300C- Final 3 nucleotides as a triplet 800 600 200 **Triplet** IGHV4-61*08_G48A_G49C_G88A_G107A_G129C_A147C_T165C- Final 3 nucleotides as a triple 400 Count 100 **Triplet** IGHV6-1*01_A315G- Final 3 nucleotides as a triplet 40

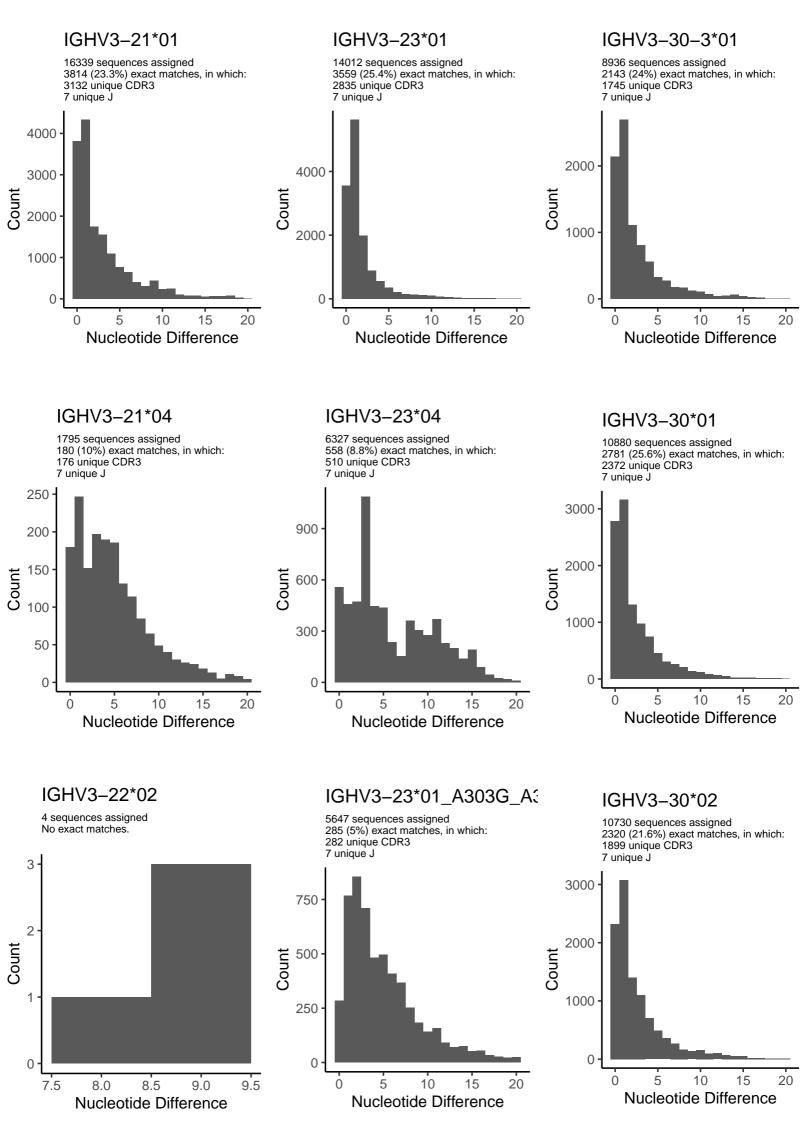


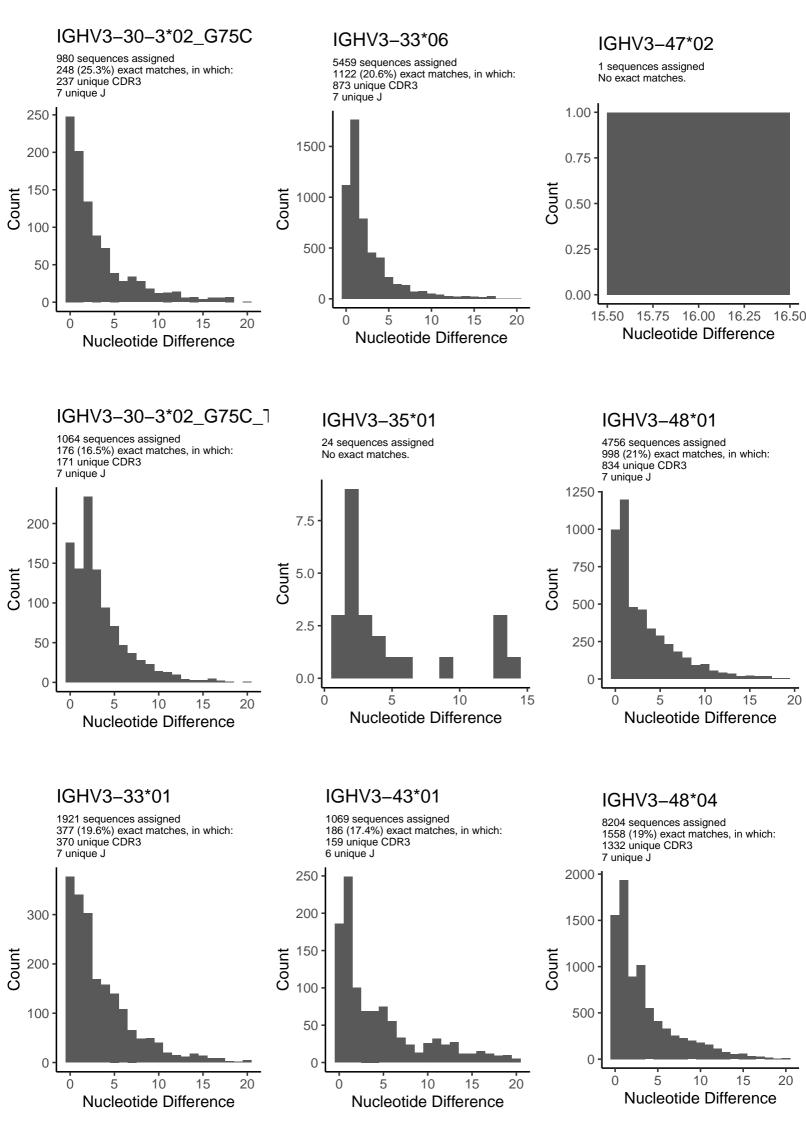


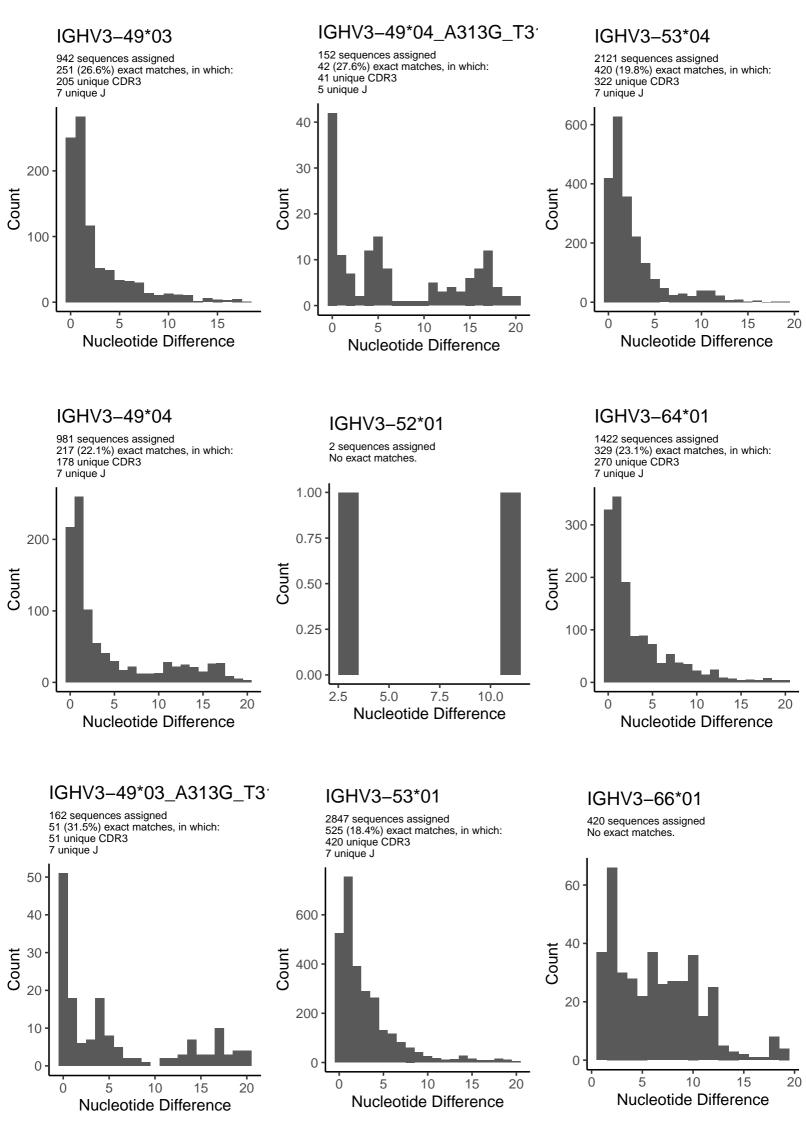


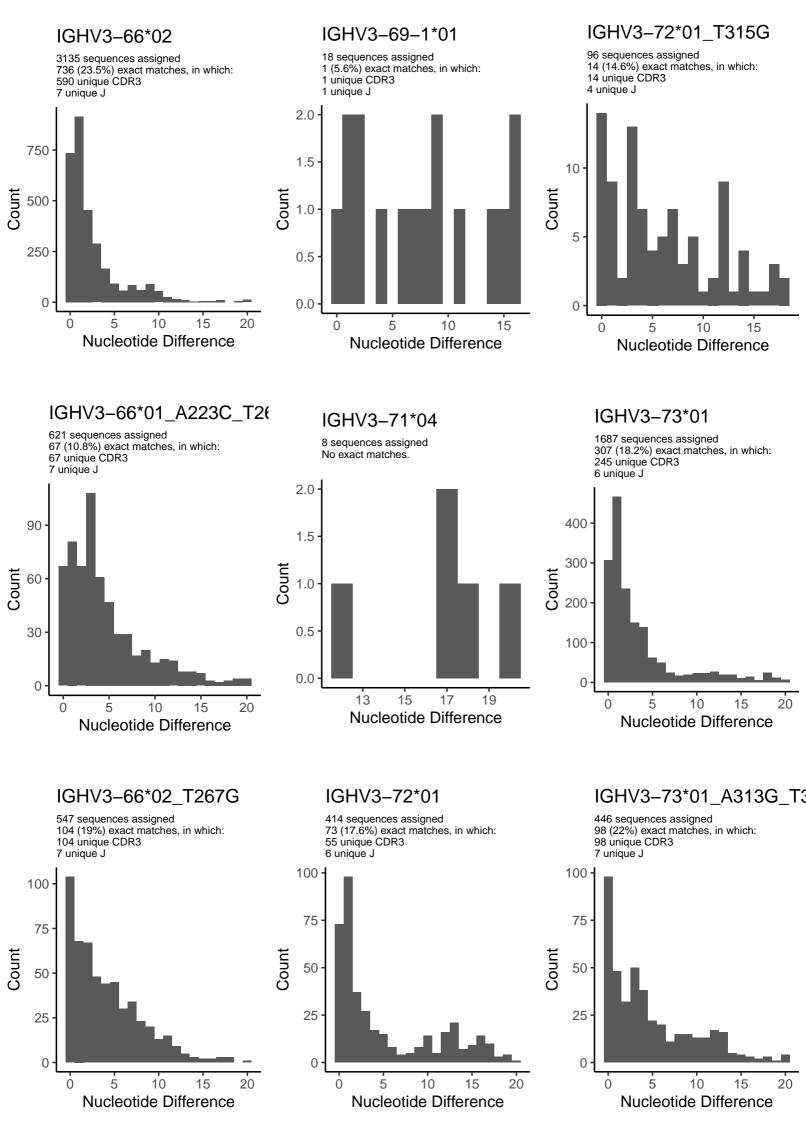


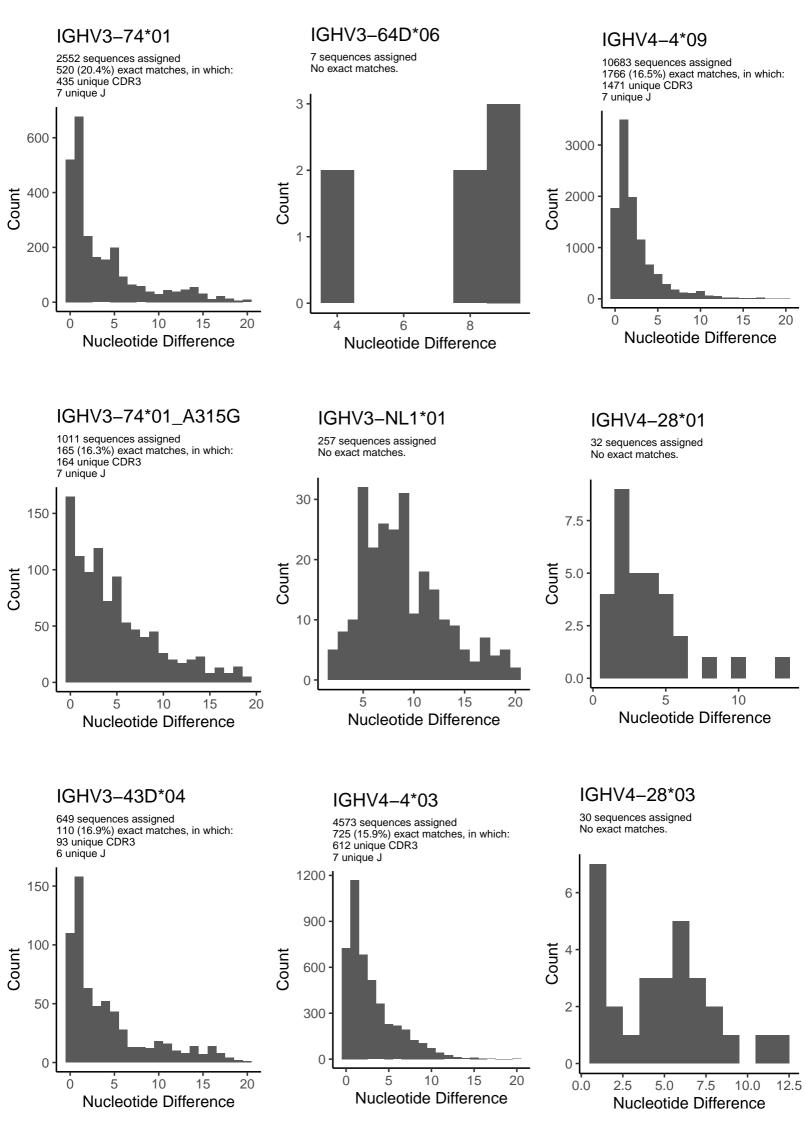


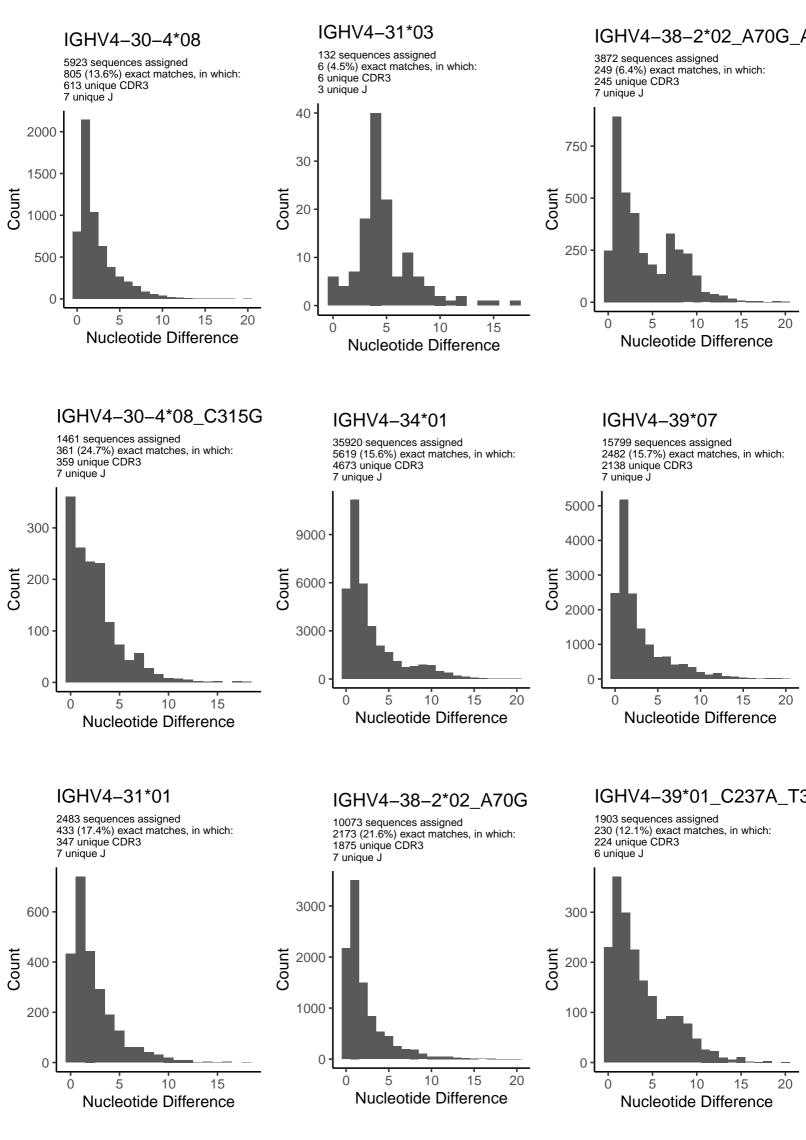


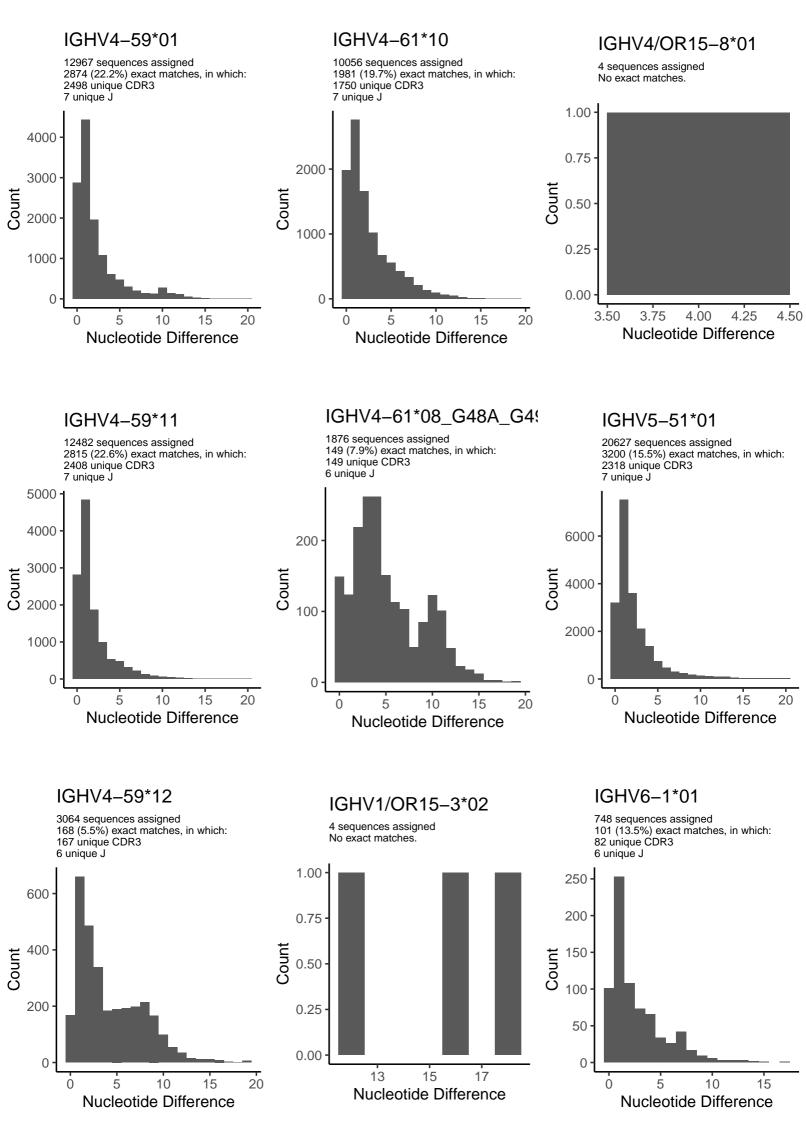






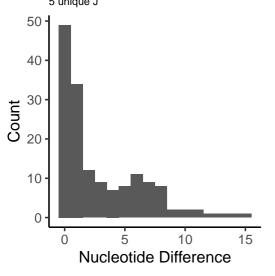






IGHV6-1*01_A315G

158 sequences assigned 49 (31%) exact matches, in which: 49 unique CDR3 5 unique J



IGHV7-4-1*02

12543 sequences assigned 2062 (16.4%) exact matches, in which: 1718 unique CDR3 7 unique J

