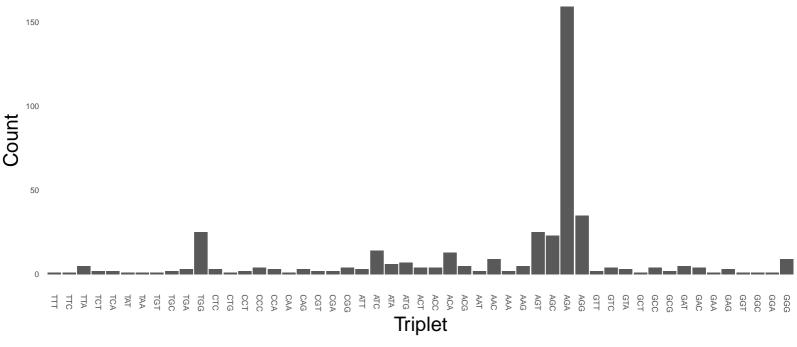
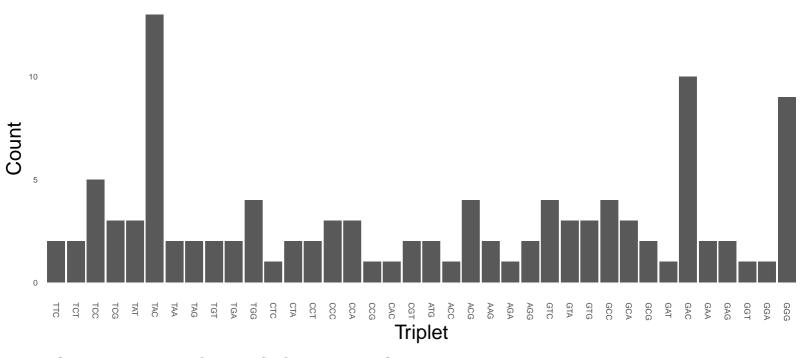


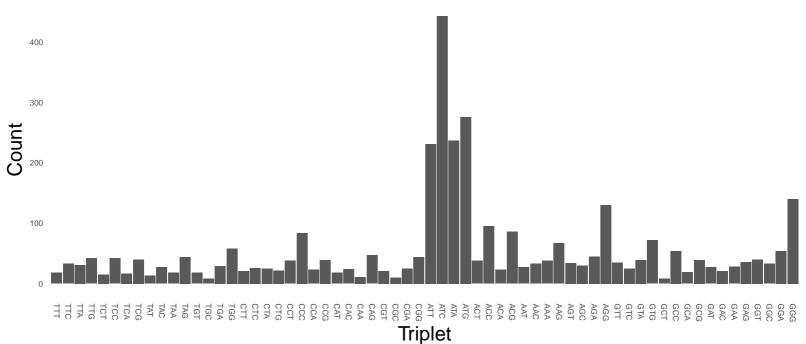
IGHV3-49*04_A313G- Final 3 nucleotides as a triplet

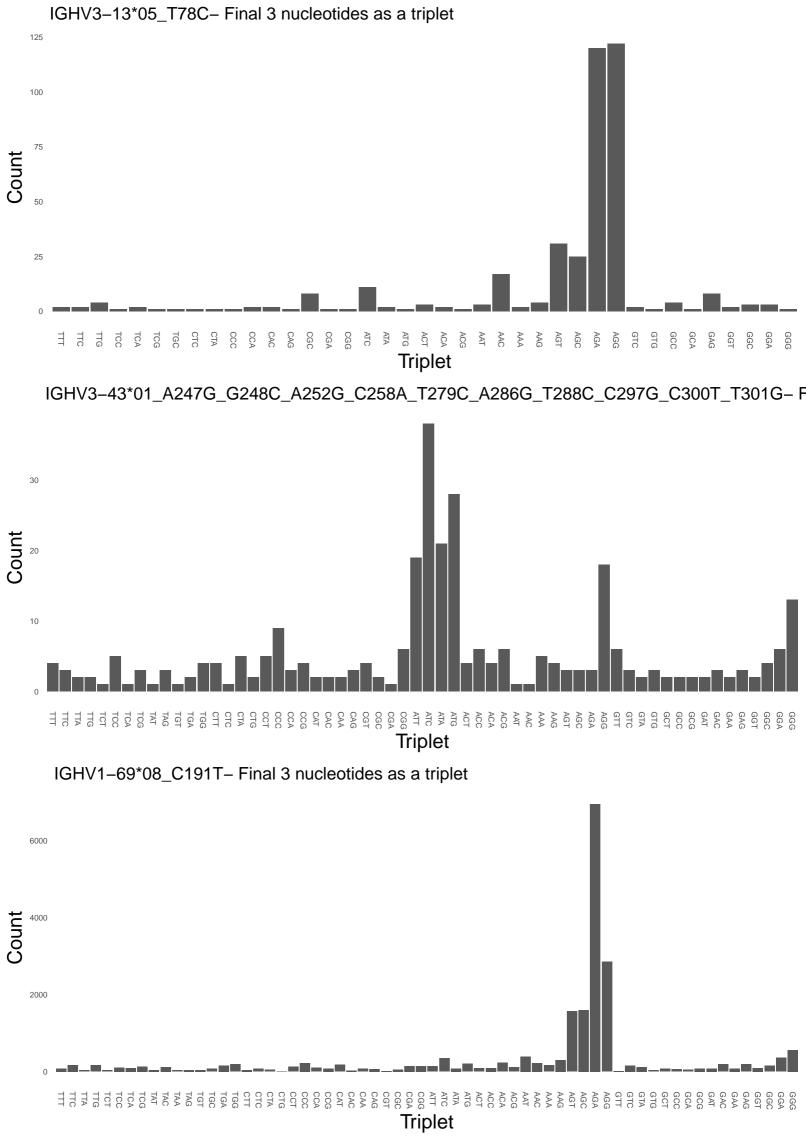


IGHV2-70*01_G303A- Final 3 nucleotides as a triplet

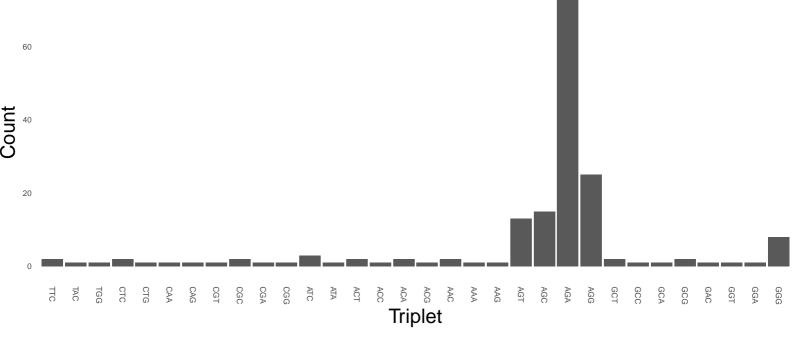


IGHV3-9*01_T279C_T288C_C300T_T301G- Final 3 nucleotides as a triplet

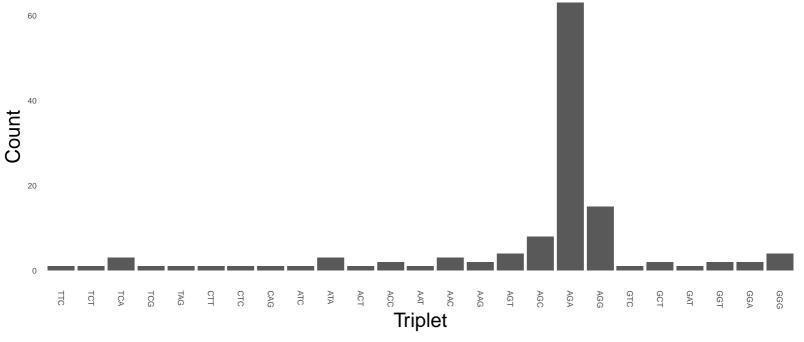




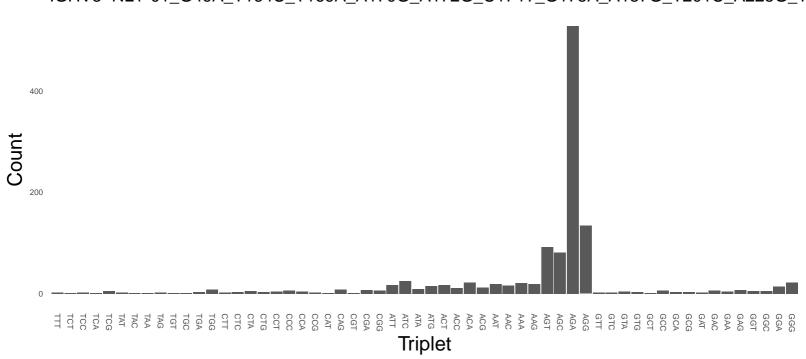
Count



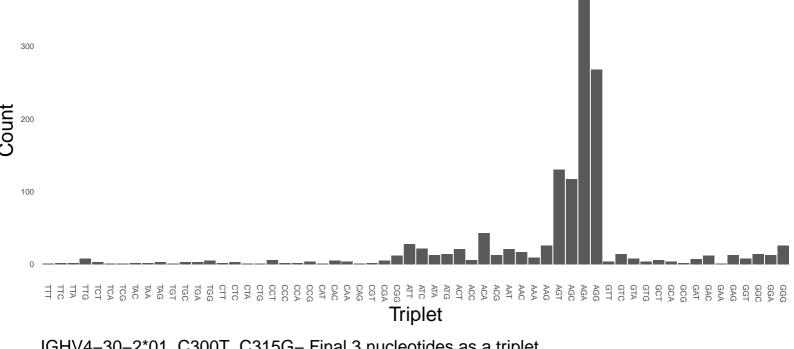
IGHV3-NL1*01_G49A_G75C_T201C_G267T_T288C_T300C- Final 3 nucleotides as a triplet



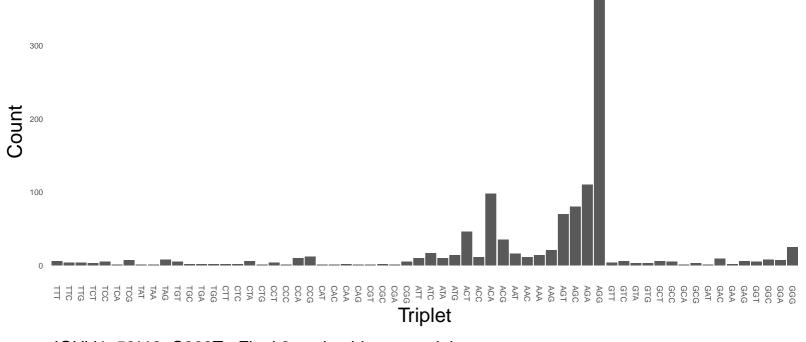
IGHV3-NL1*01_G49A_T164C_T169A_A170G_A172G_C174T_G175A_A187G_T201C_A225G_T



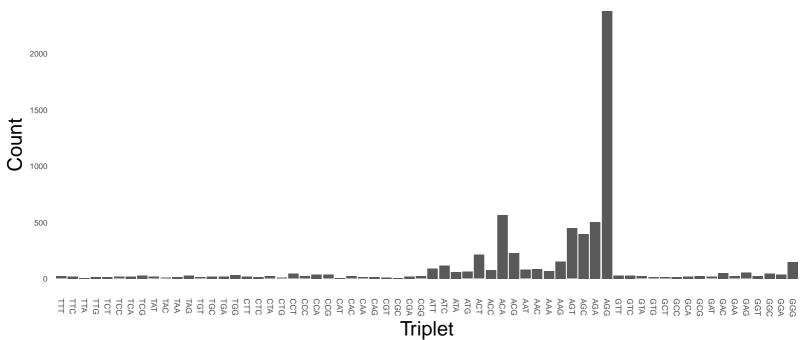
IGHV4-30-2*01_C315G- Final 3 nucleotides as a triplet

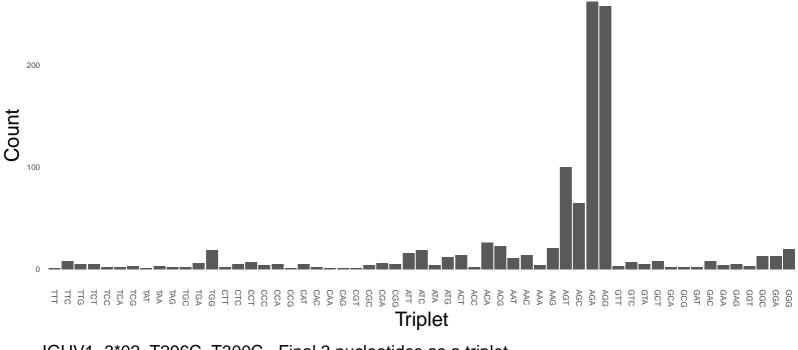


IGHV4-30-2*01_C300T_C315G- Final 3 nucleotides as a triplet

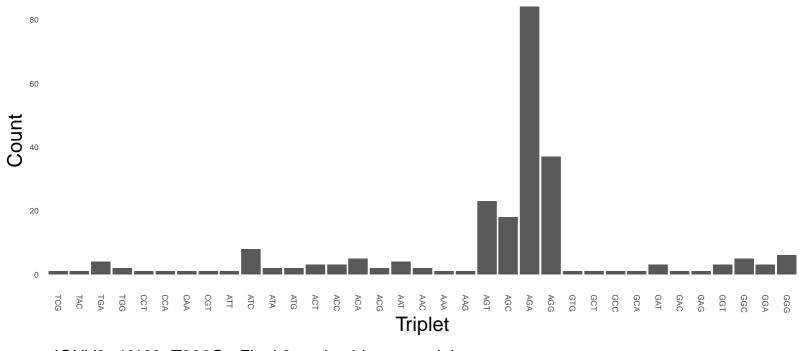


IGHV4-59*12_C300T- Final 3 nucleotides as a triplet

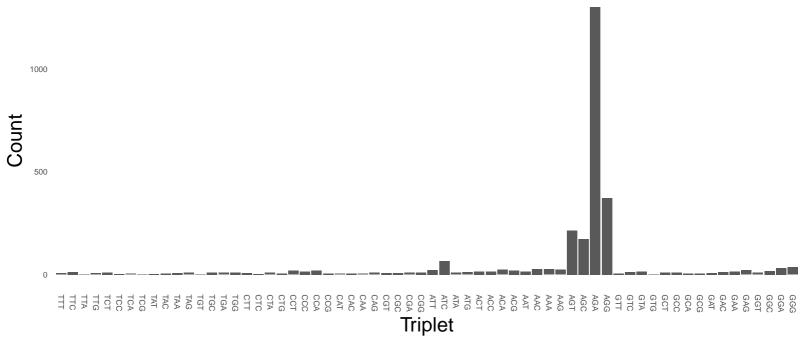




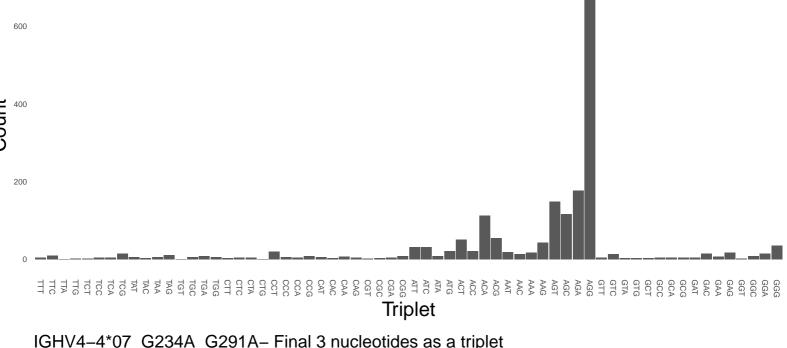
IGHV1-3*02_T296C_T300C- Final 3 nucleotides as a triplet



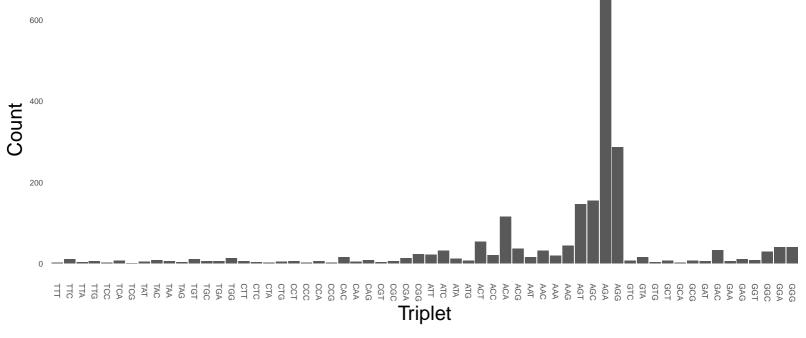
IGHV3-48*03_T303G- Final 3 nucleotides as a triplet



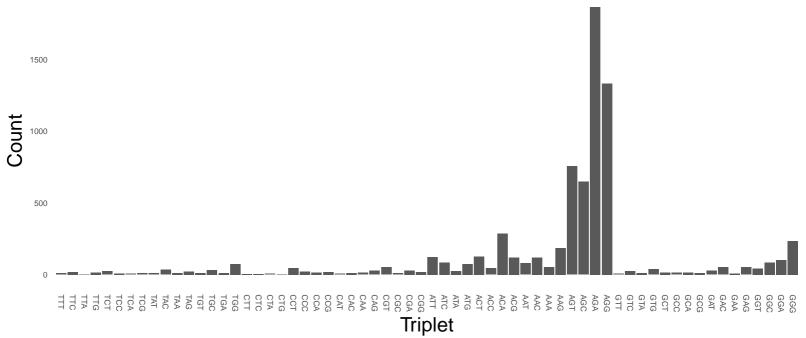
IGHV4-4*07_C300T- Final 3 nucleotides as a triplet 600

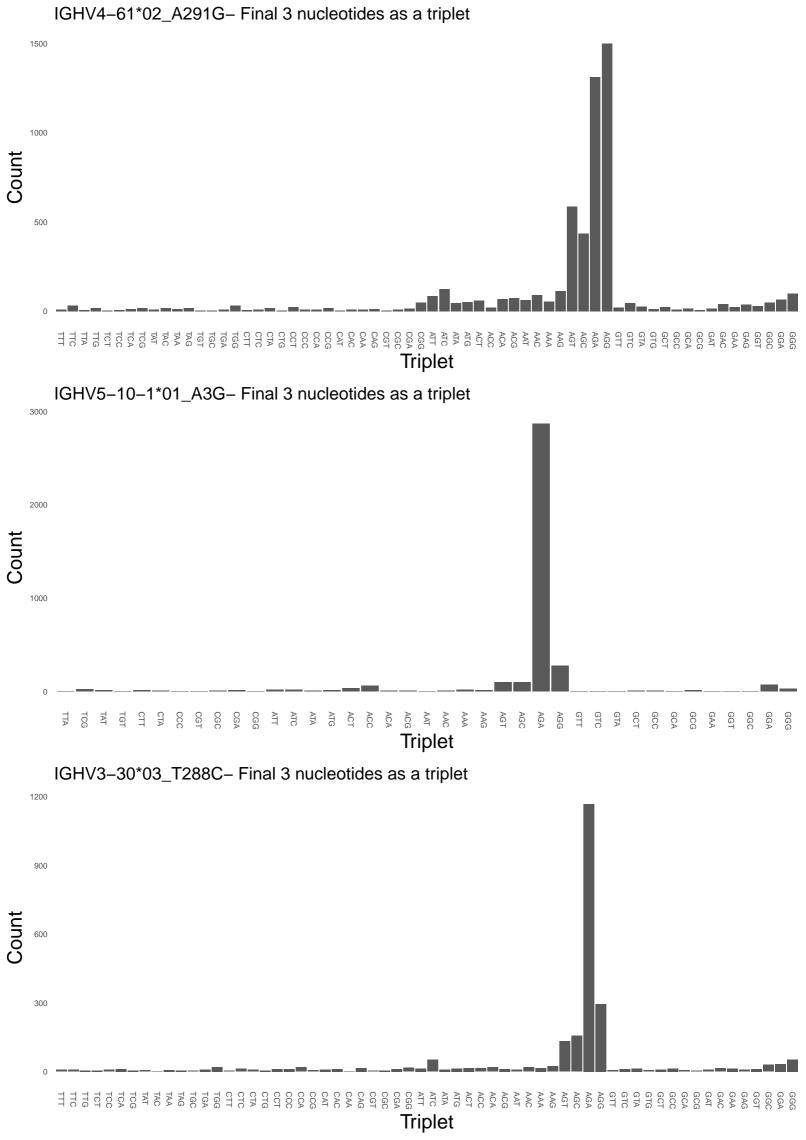


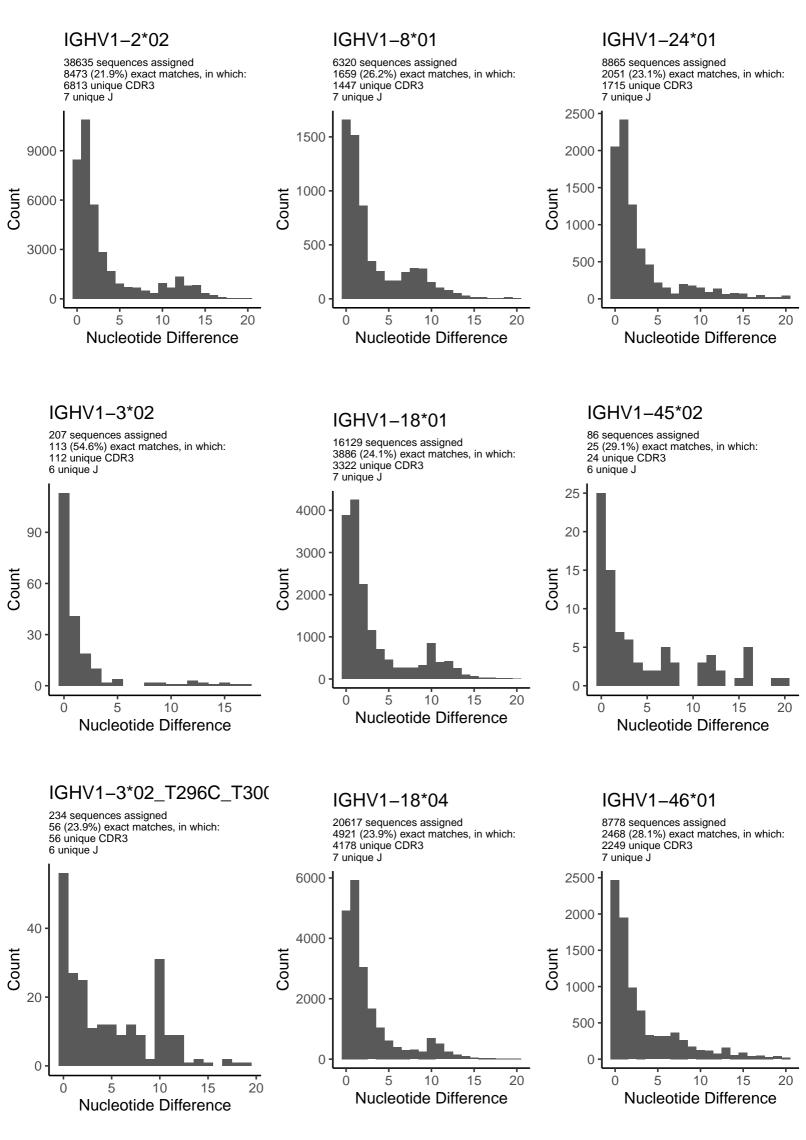
IGHV4-4*07_G234A_G291A- Final 3 nucleotides as a triplet

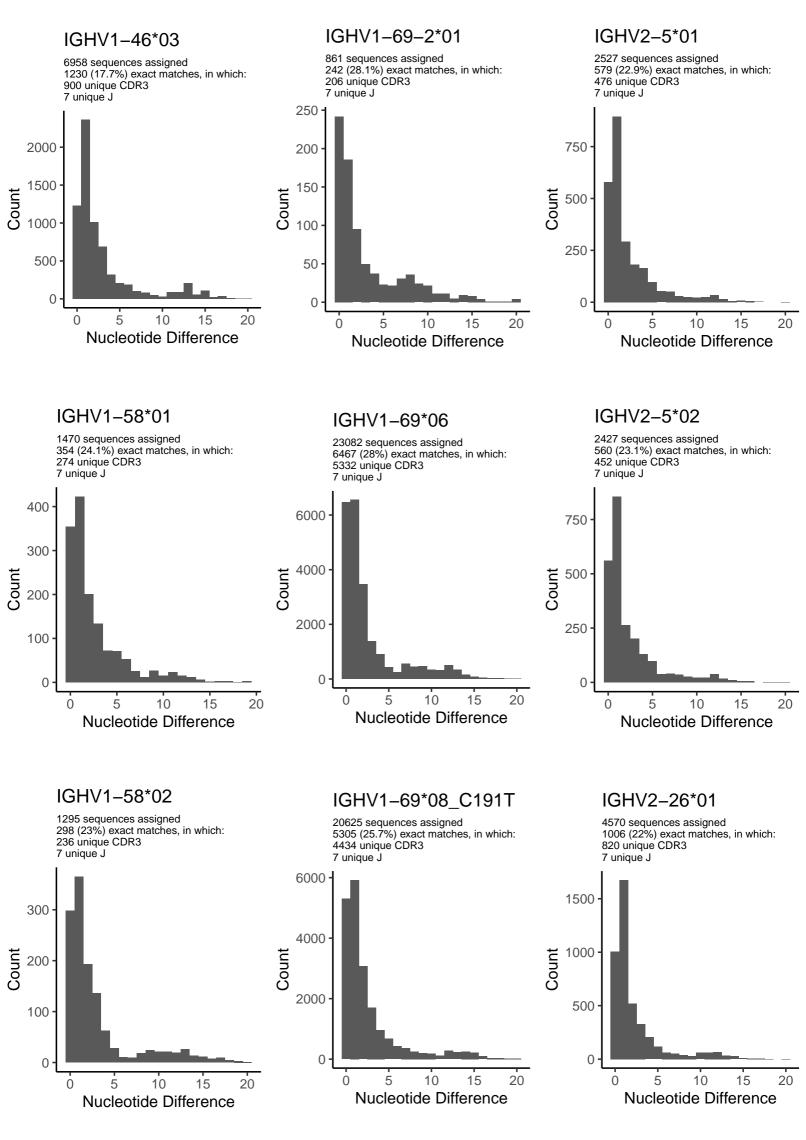


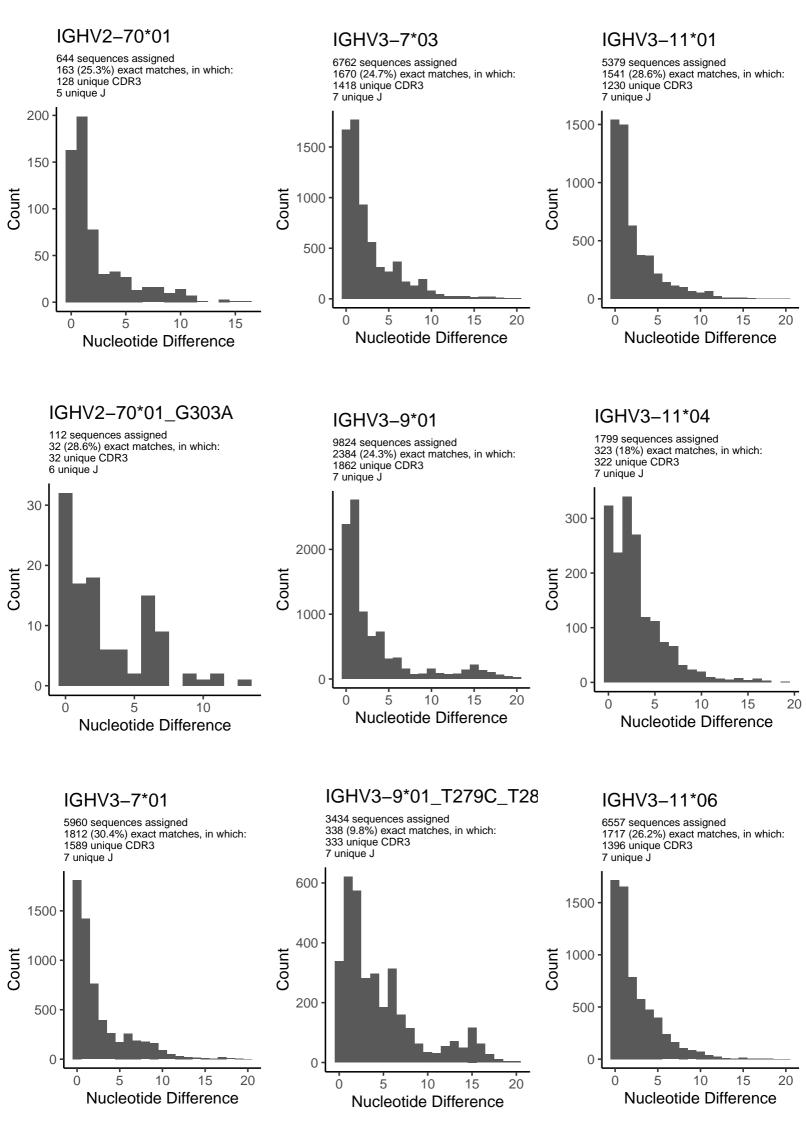
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

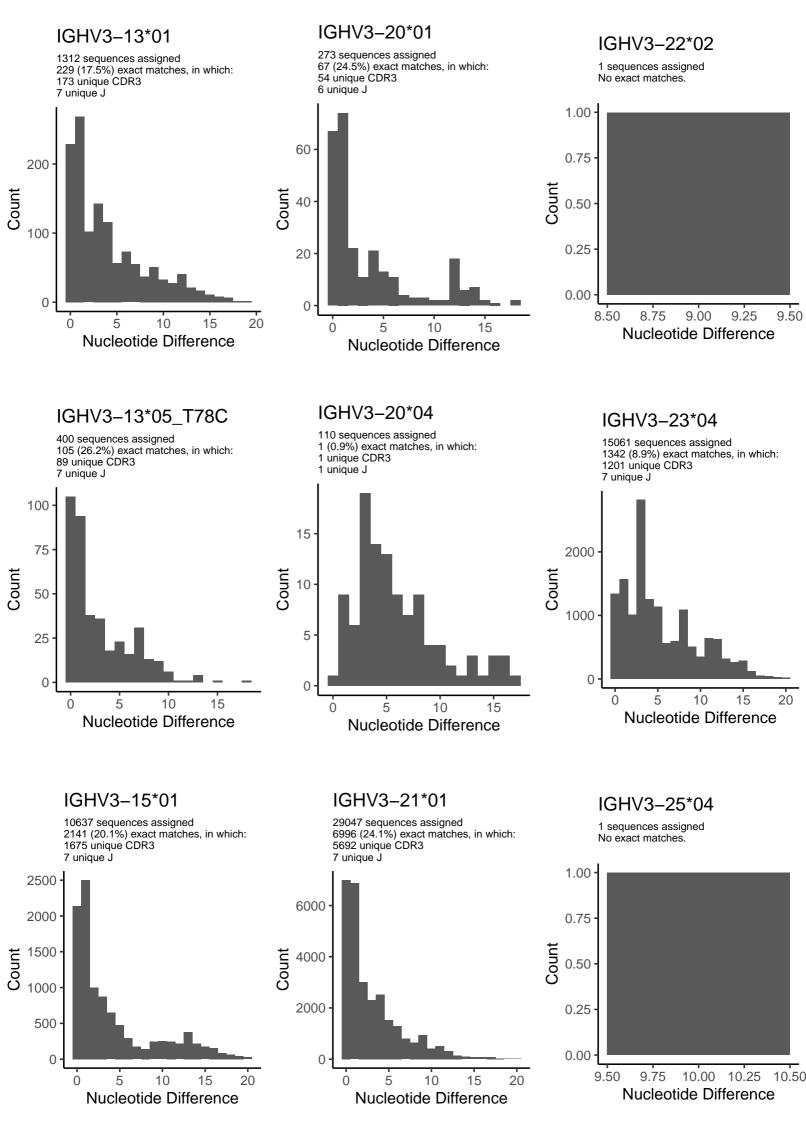


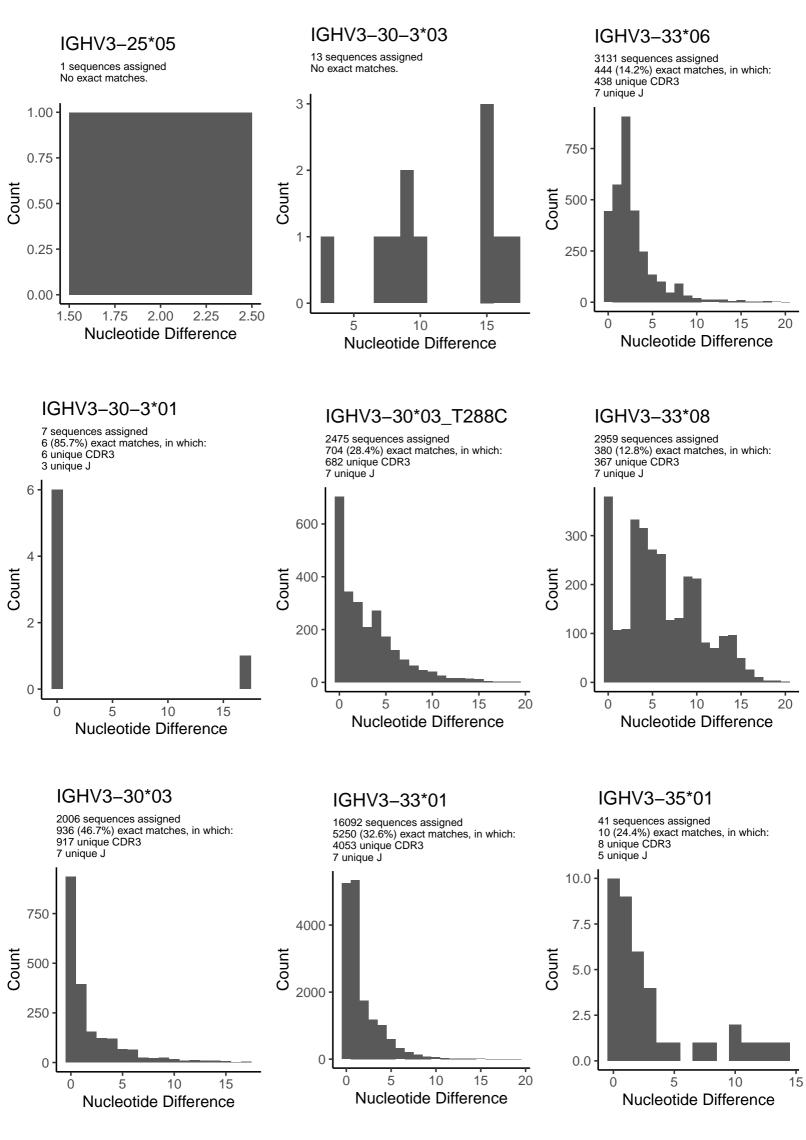


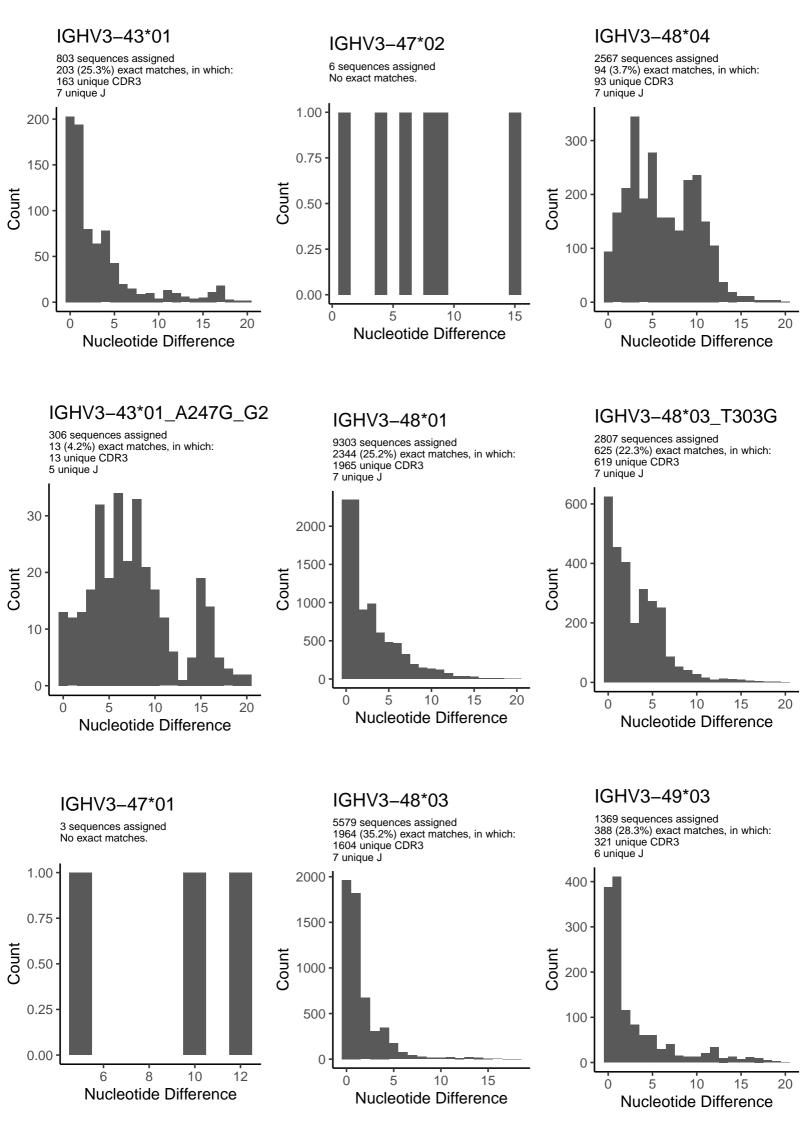


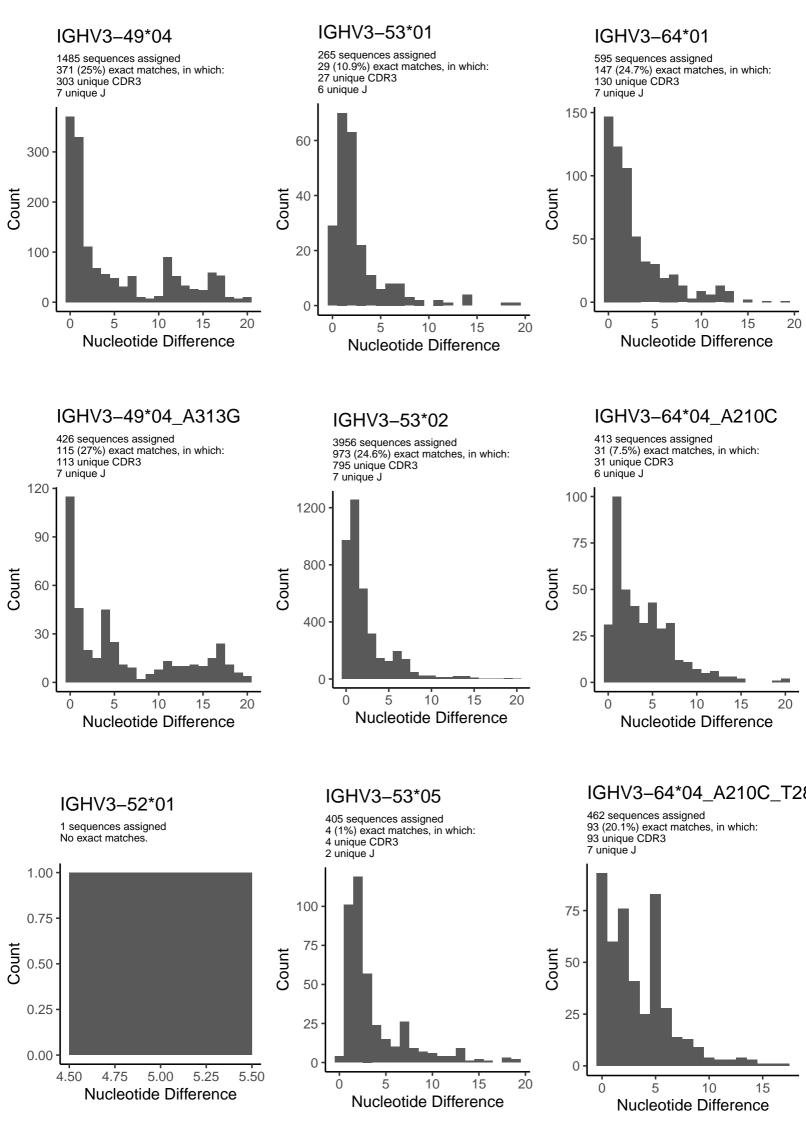


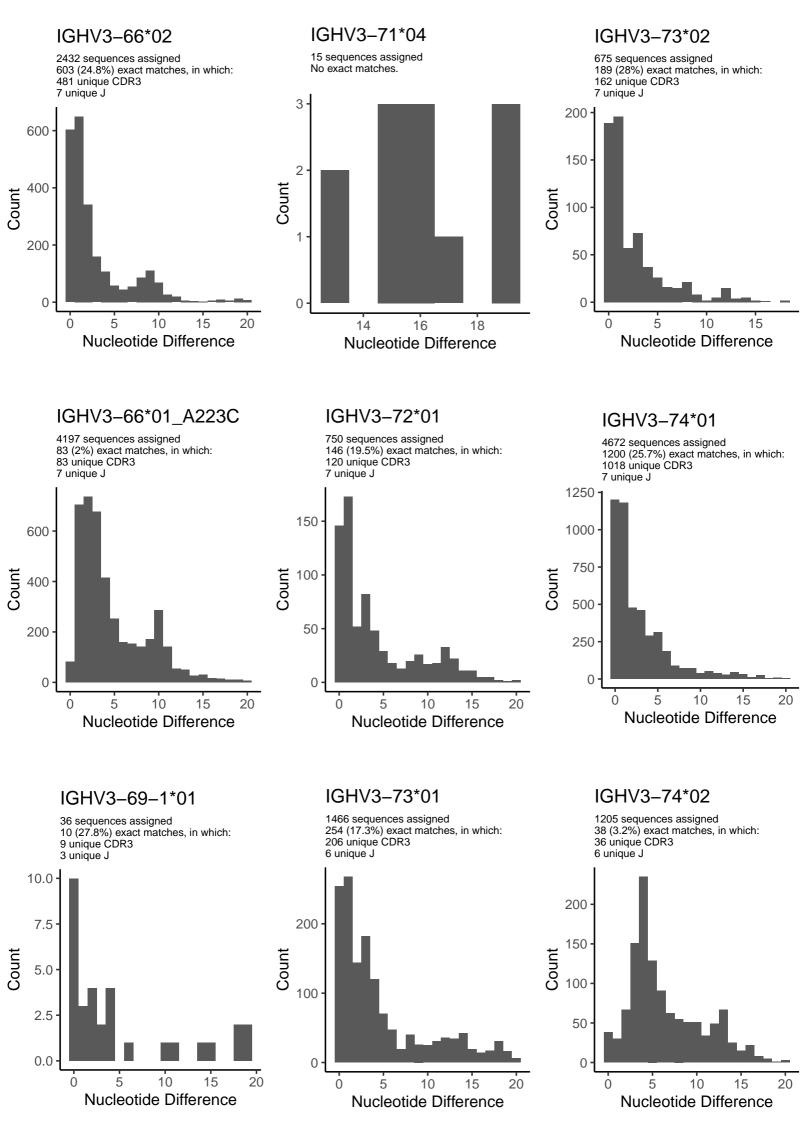


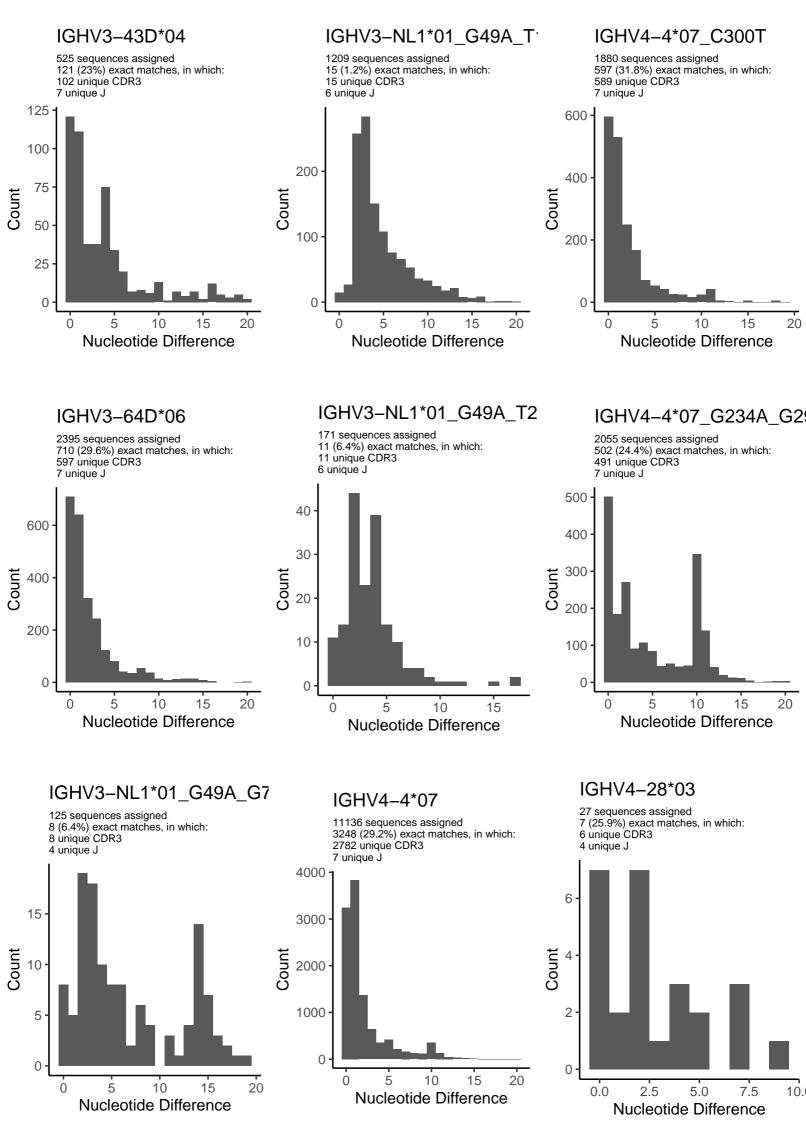


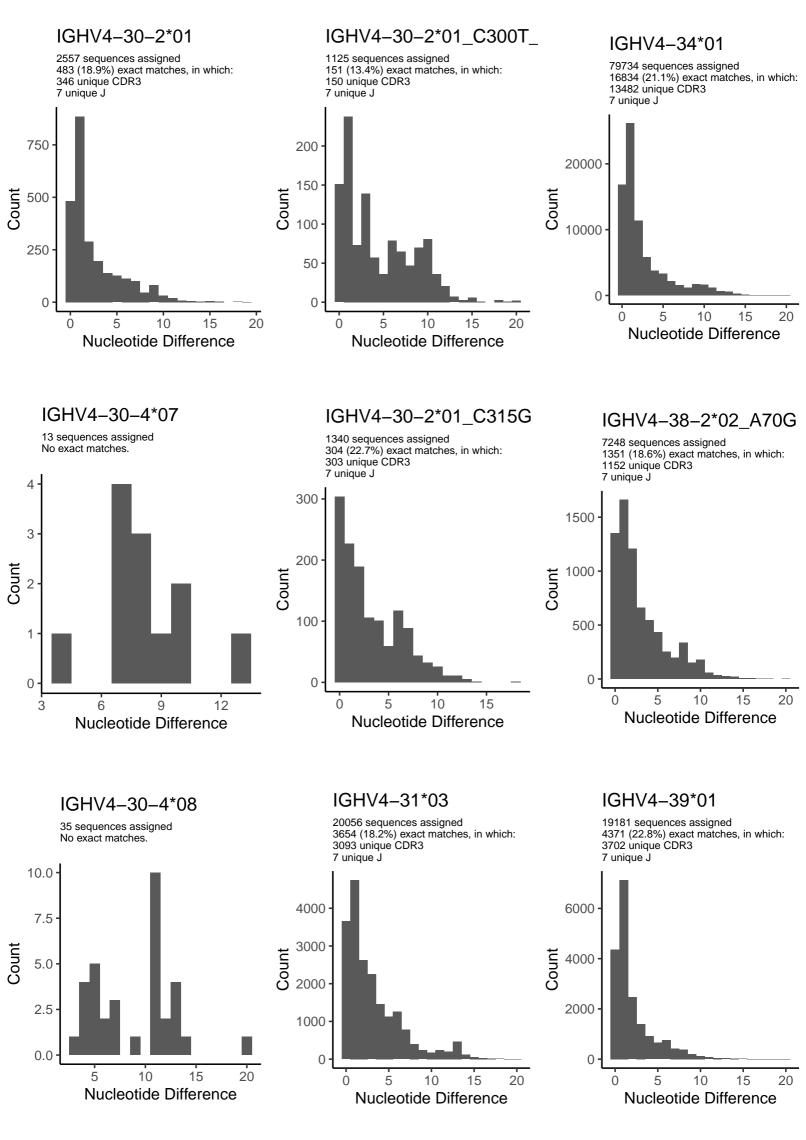


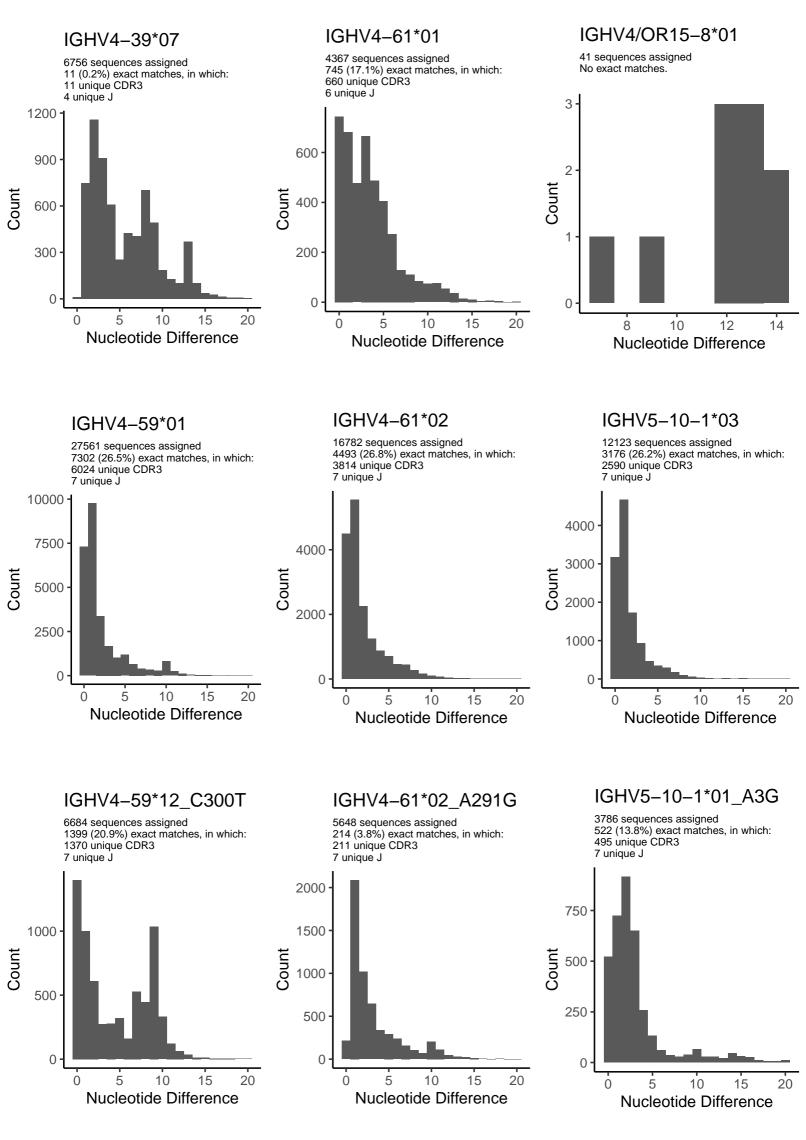






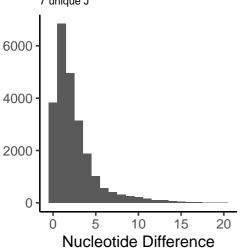






IGHV5-51*01

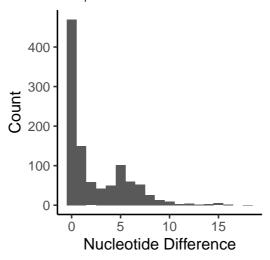
24191 sequences assigned 3830 (15.8%) exact matches, in which: 2976 unique CDR3 7 unique J



Count

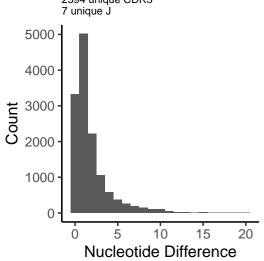
IGHV6-1*01_A315G

1054 sequences assigned 470 (44.6%) exact matches, in which: 469 unique CDR3 7 unique J



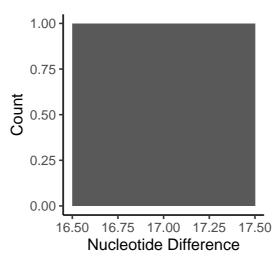
IGHV5-51*03

13591 sequences assigned 3327 (24.5%) exact matches, in which: 2594 unique CDR3 7 unique J



IGHV3/OR16-10*03

1 sequences assigned No exact matches.



IGHV6-1*01

3195 sequences assigned 757 (23.7%) exact matches, in which: 534 unique CDR3

