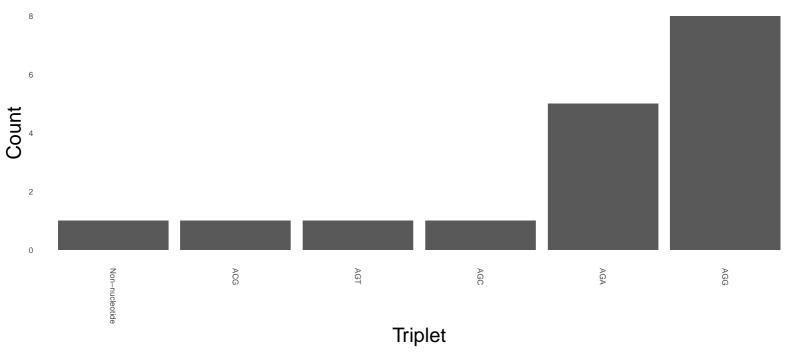
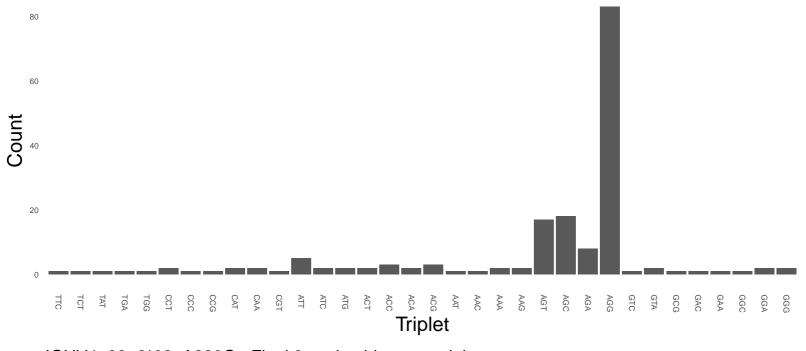


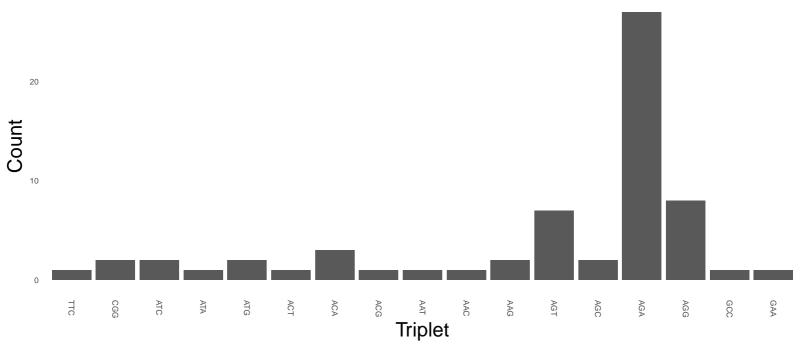
IGHV3-13*01_G290A_T300C- Final 3 nucleotides as a triplet



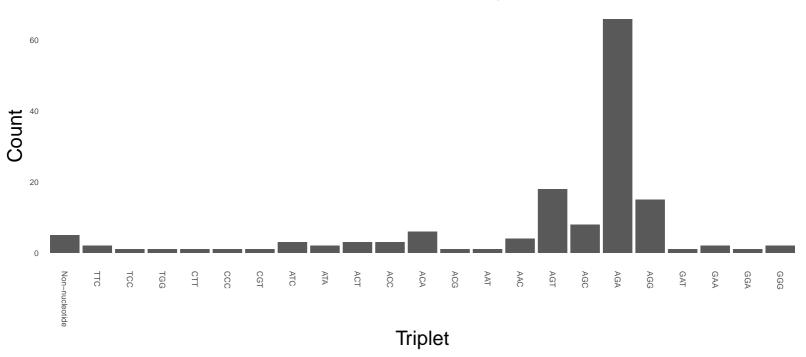
IGHV4-34*01_A220G_A225G- Final 3 nucleotides as a triplet



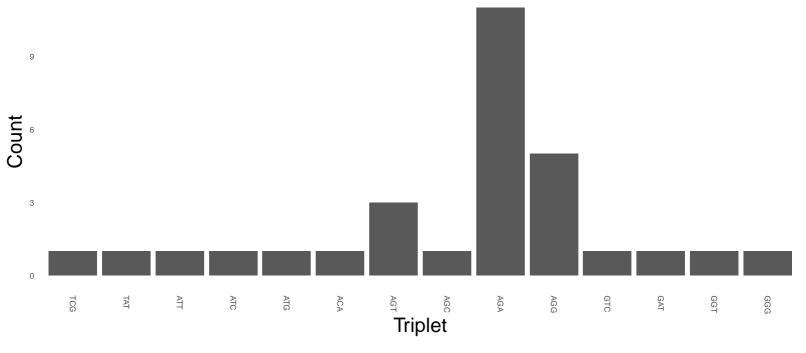
IGHV4-38-2*02_A220G- Final 3 nucleotides as a triplet

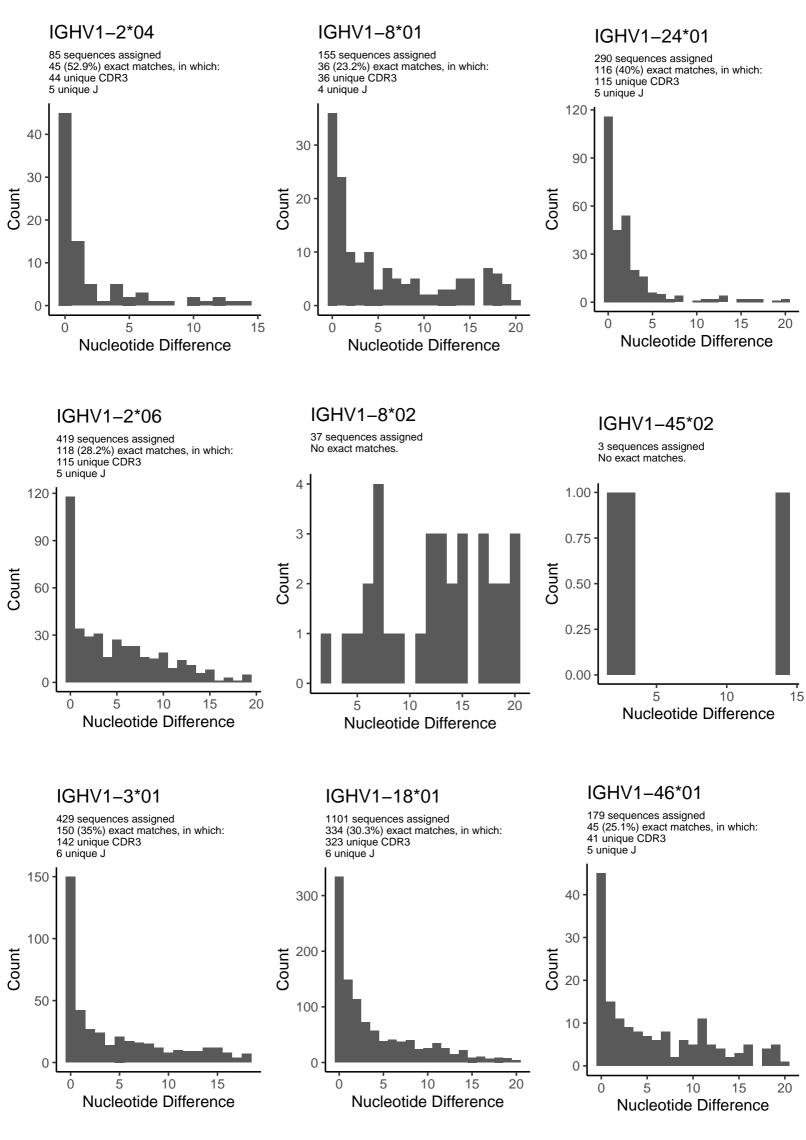


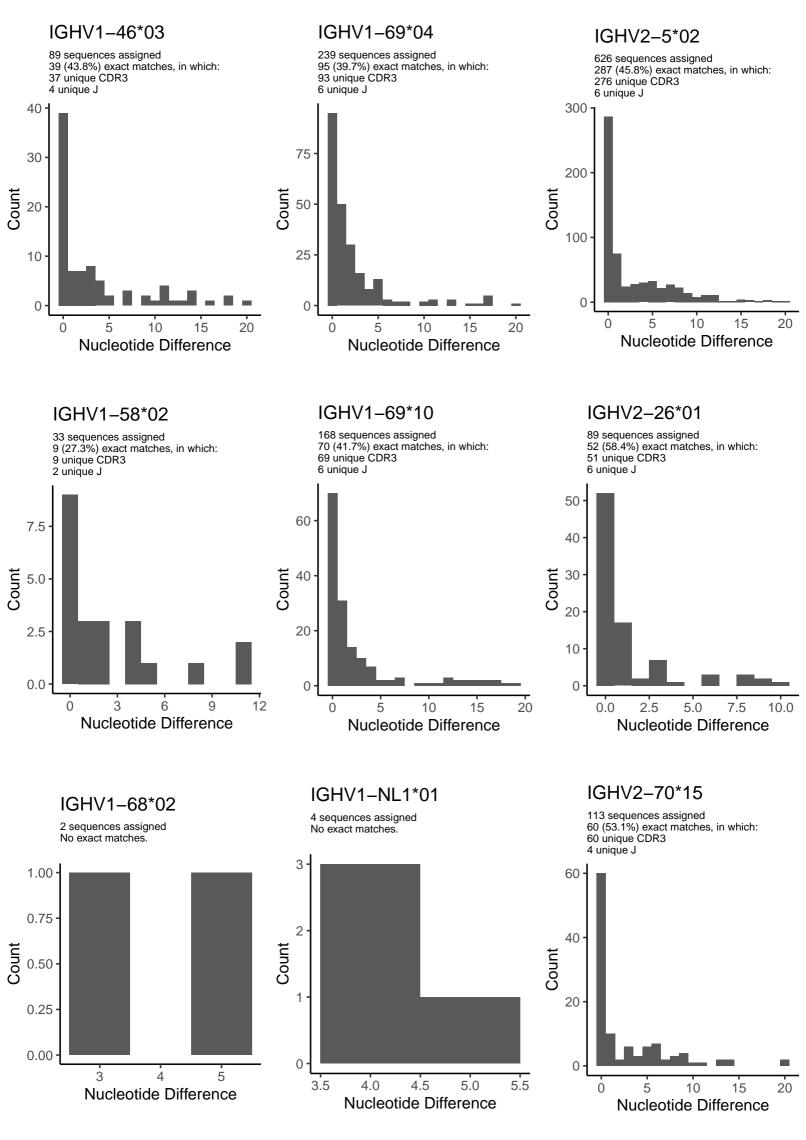
IGHV4-39*07_A220G_A225G- Final 3 nucleotides as a triplet

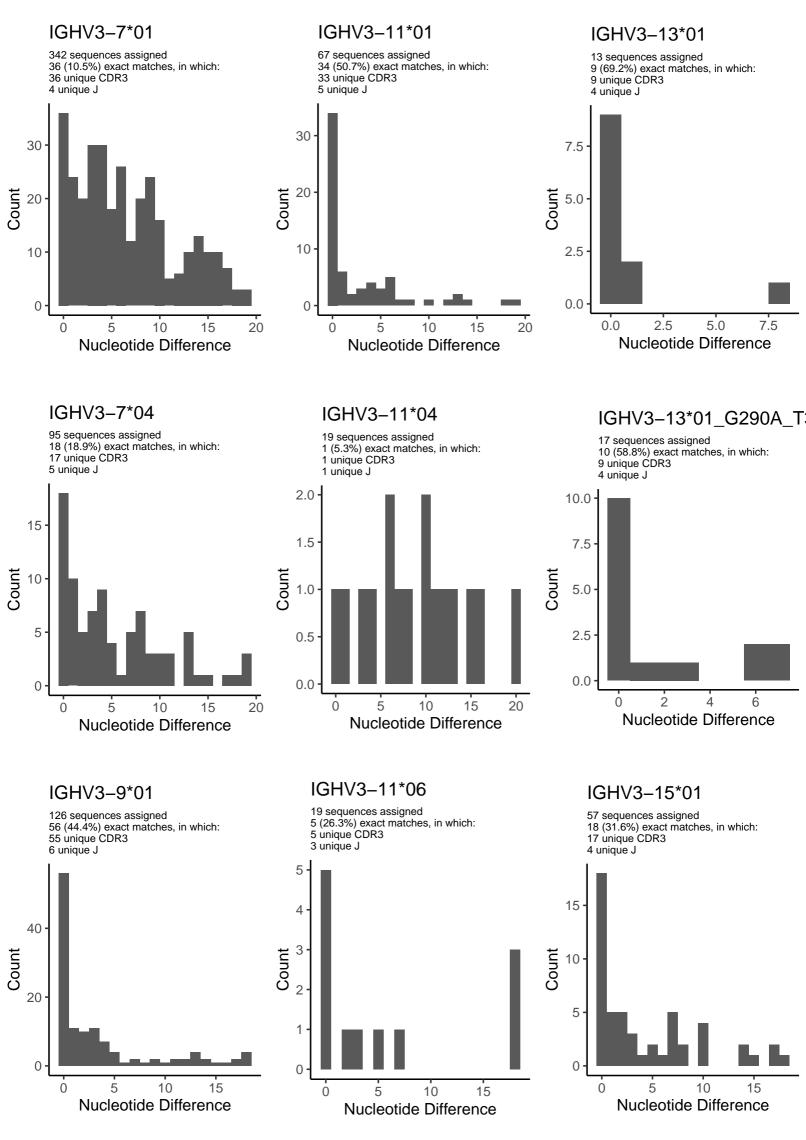


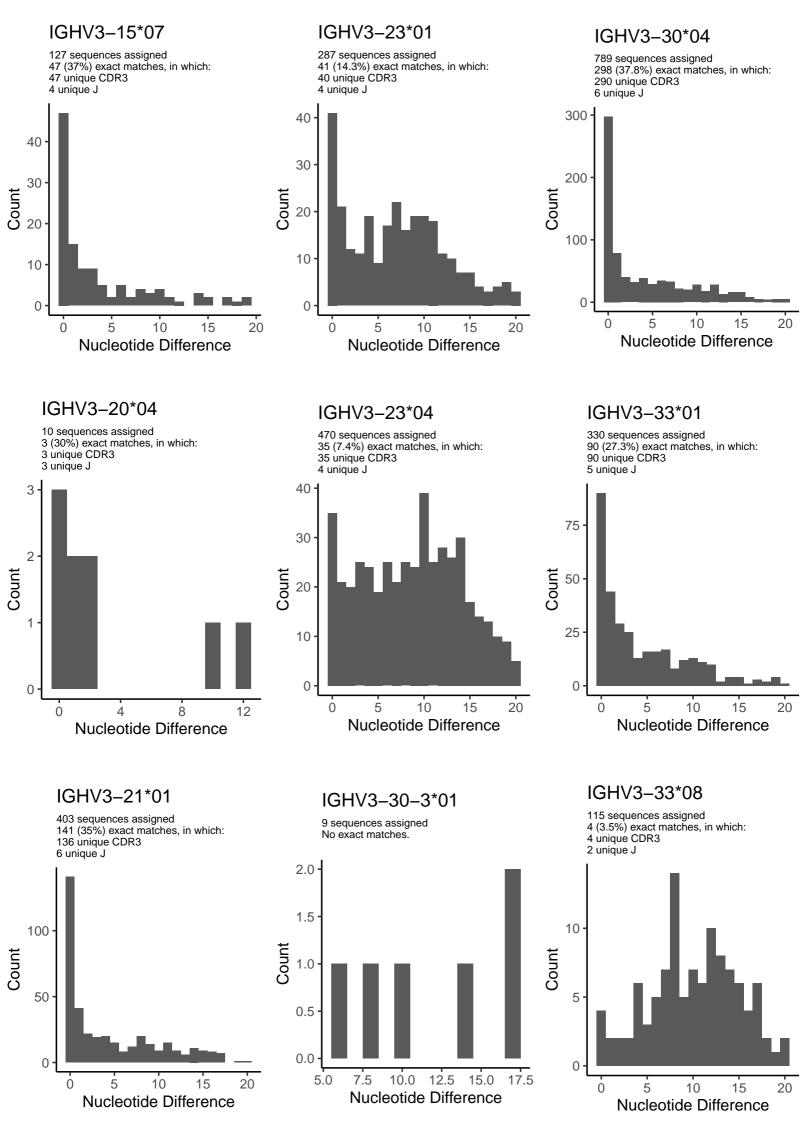
IGHV7-4-1*02_A200T- Final 3 nucleotides as a triplet

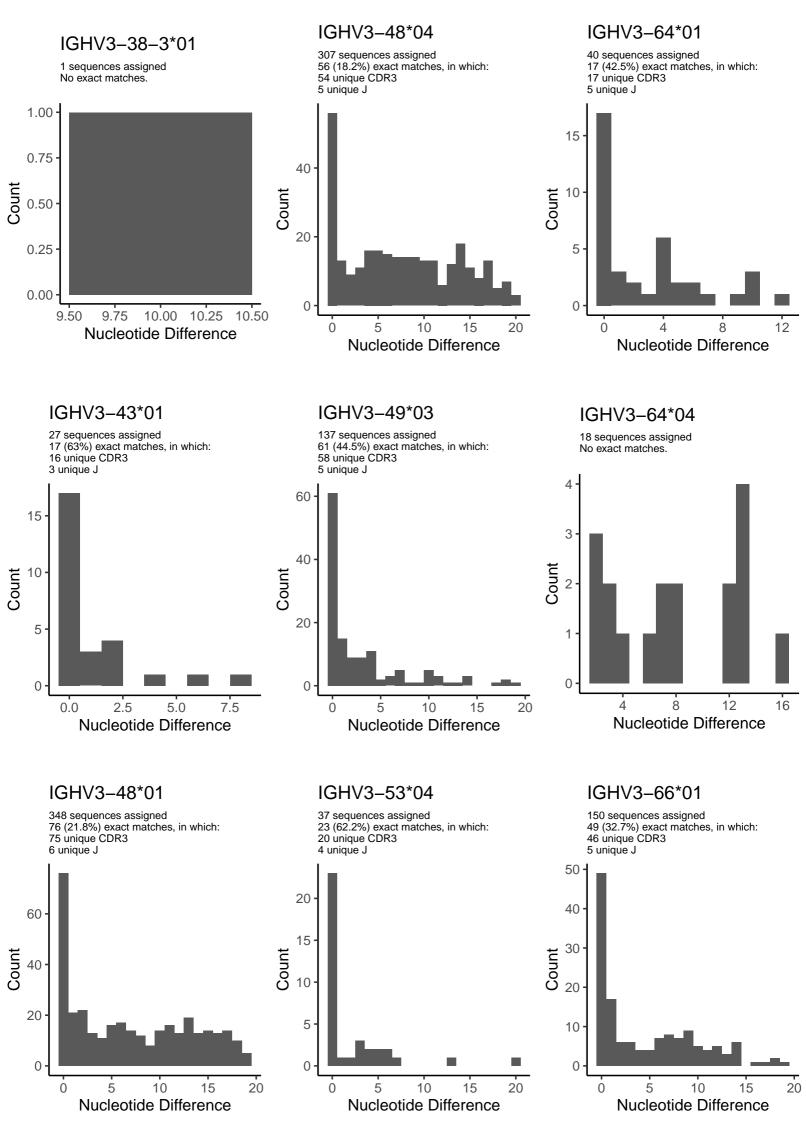


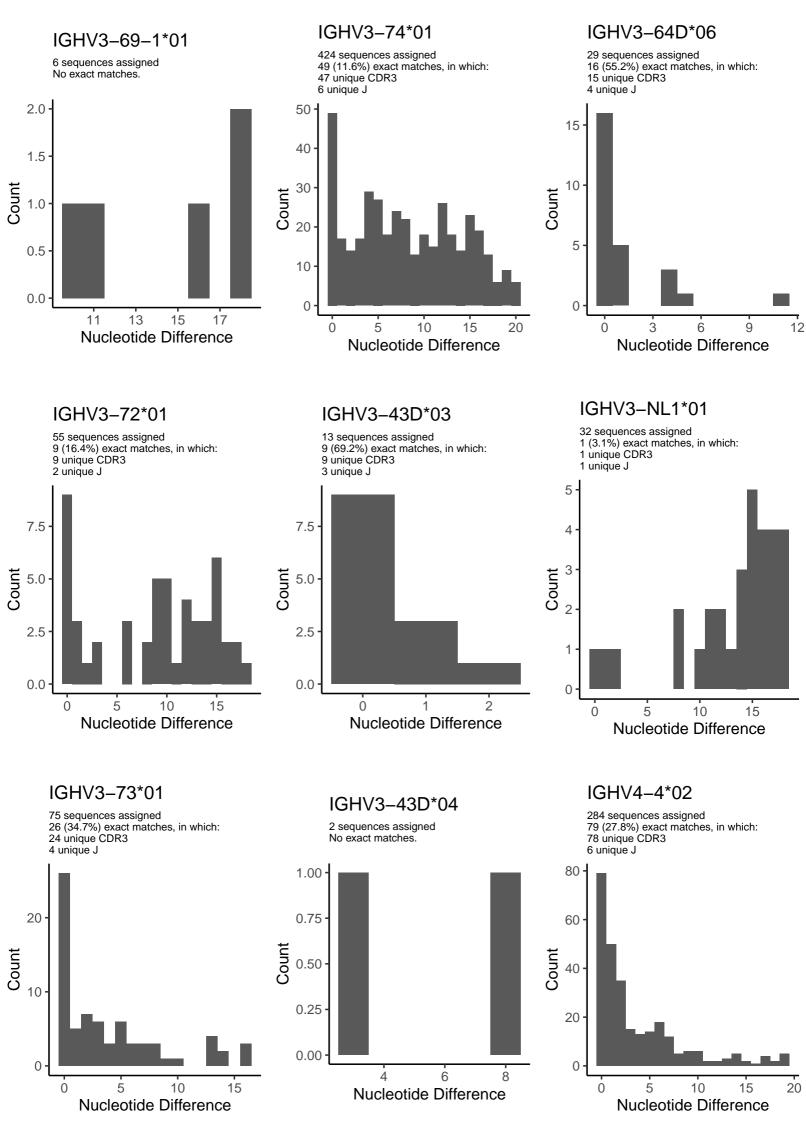


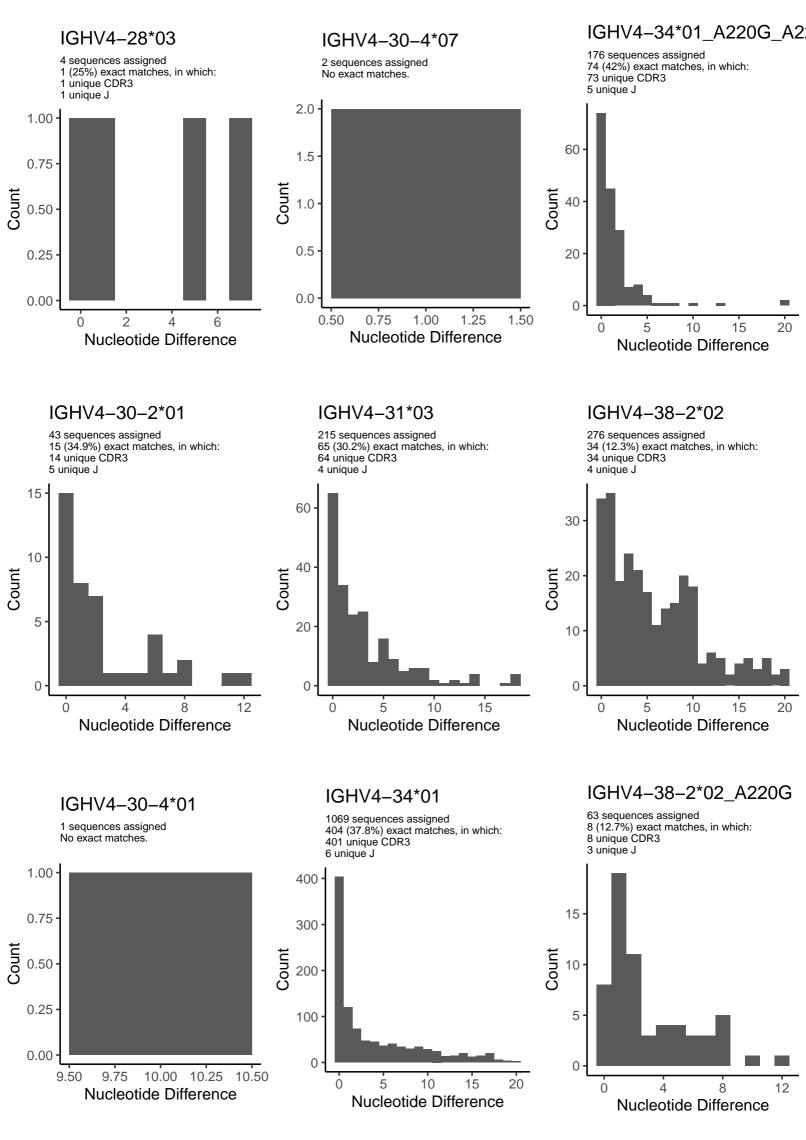


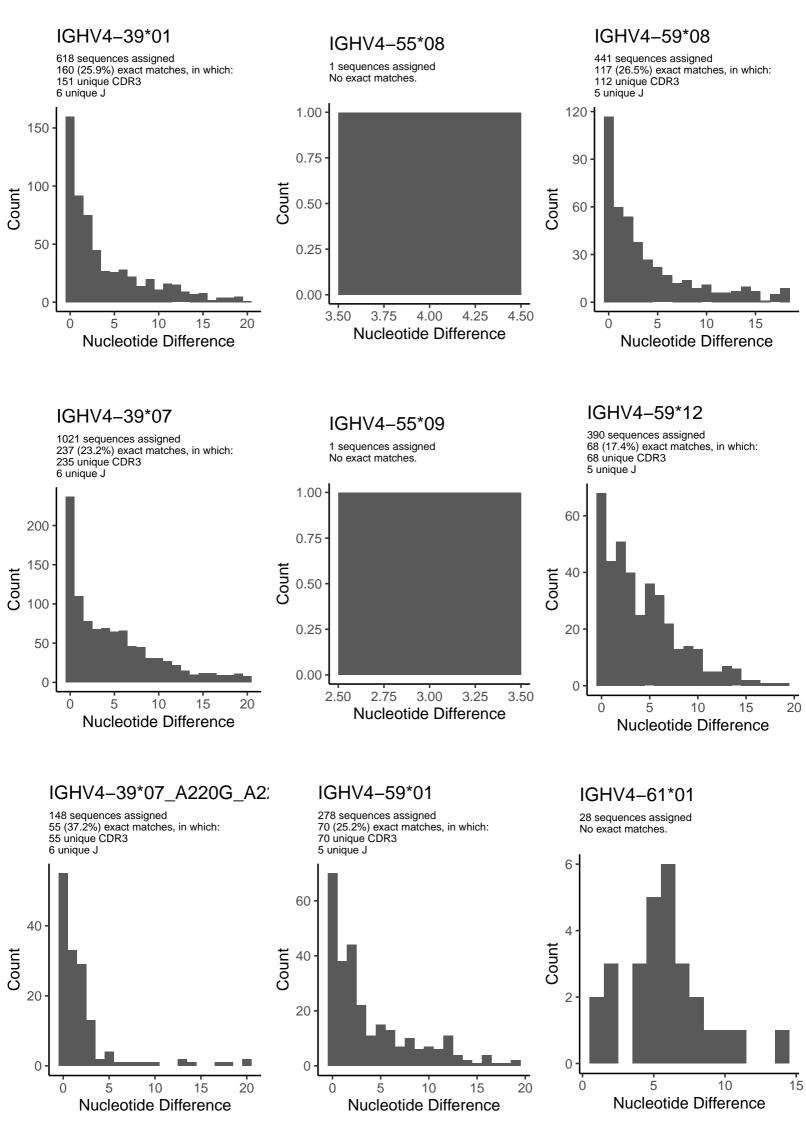


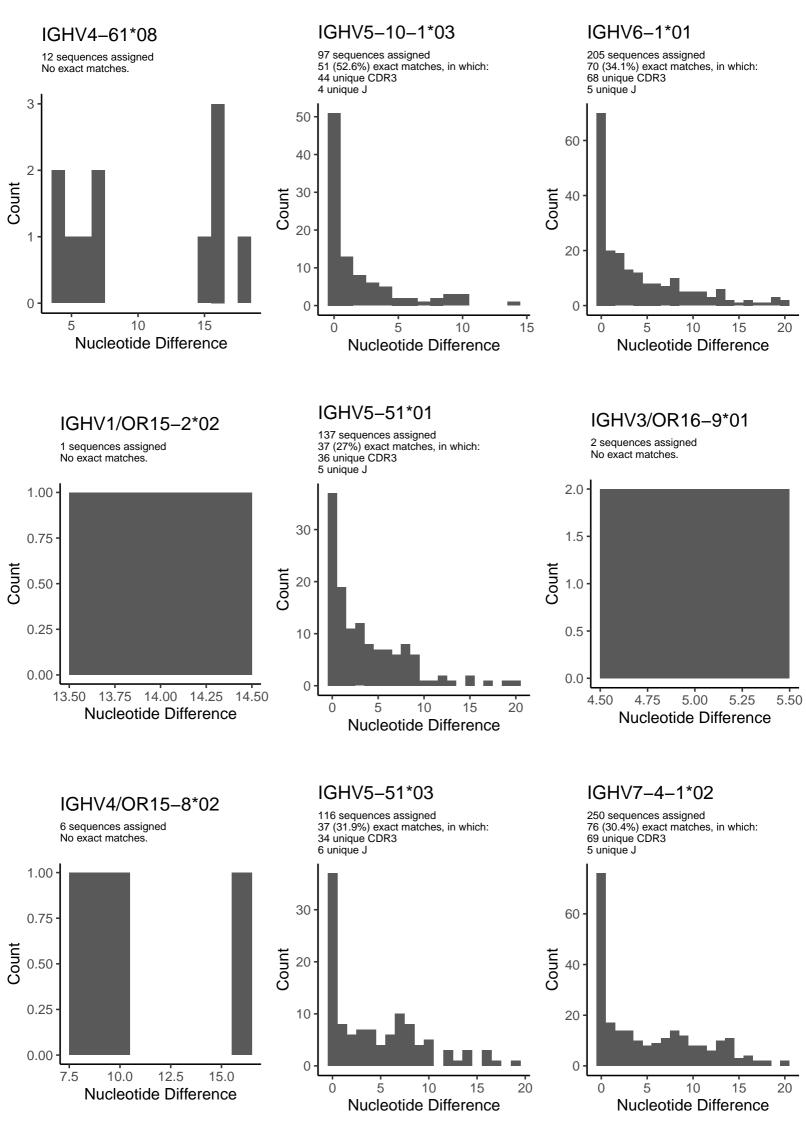






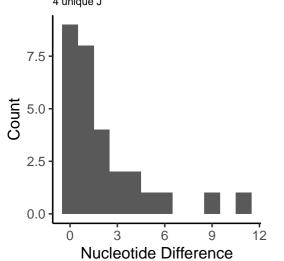






IGHV7-4-1*02_A200T

30 sequences assigned 9 (30%) exact matches, in which: 9 unique CDR3 4 unique J



IGHV7-40*03

1 sequences assigned No exact matches.

