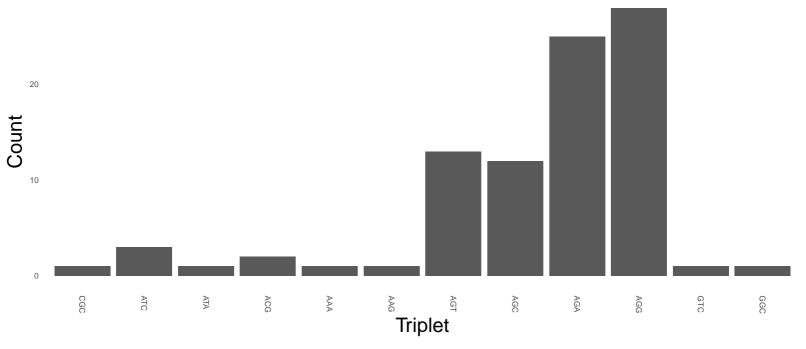
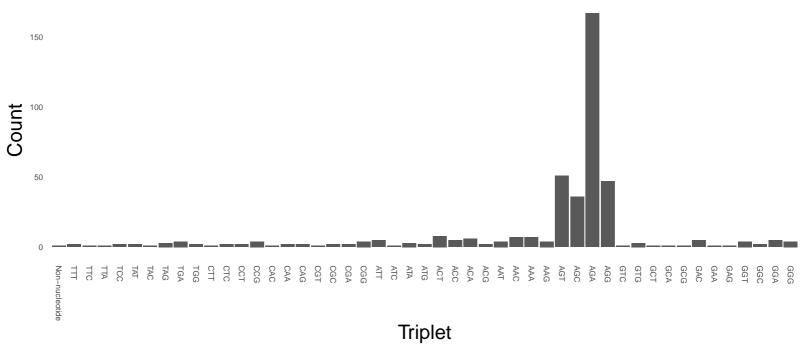
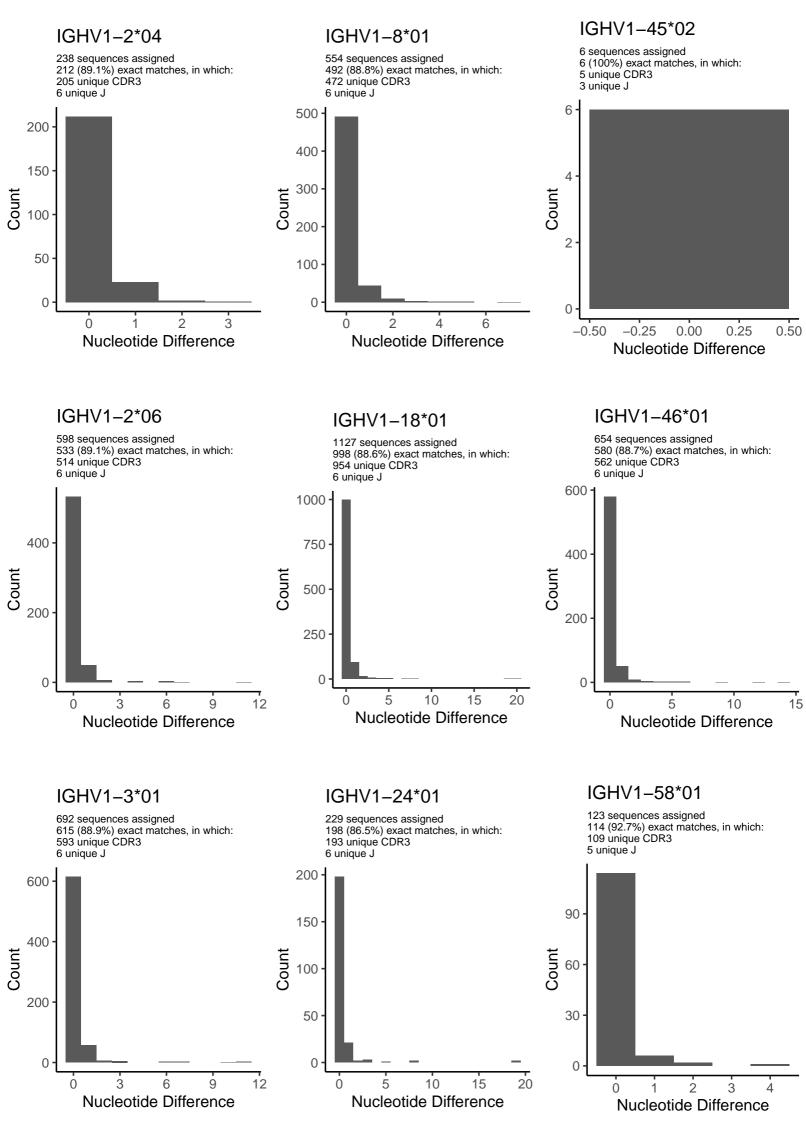


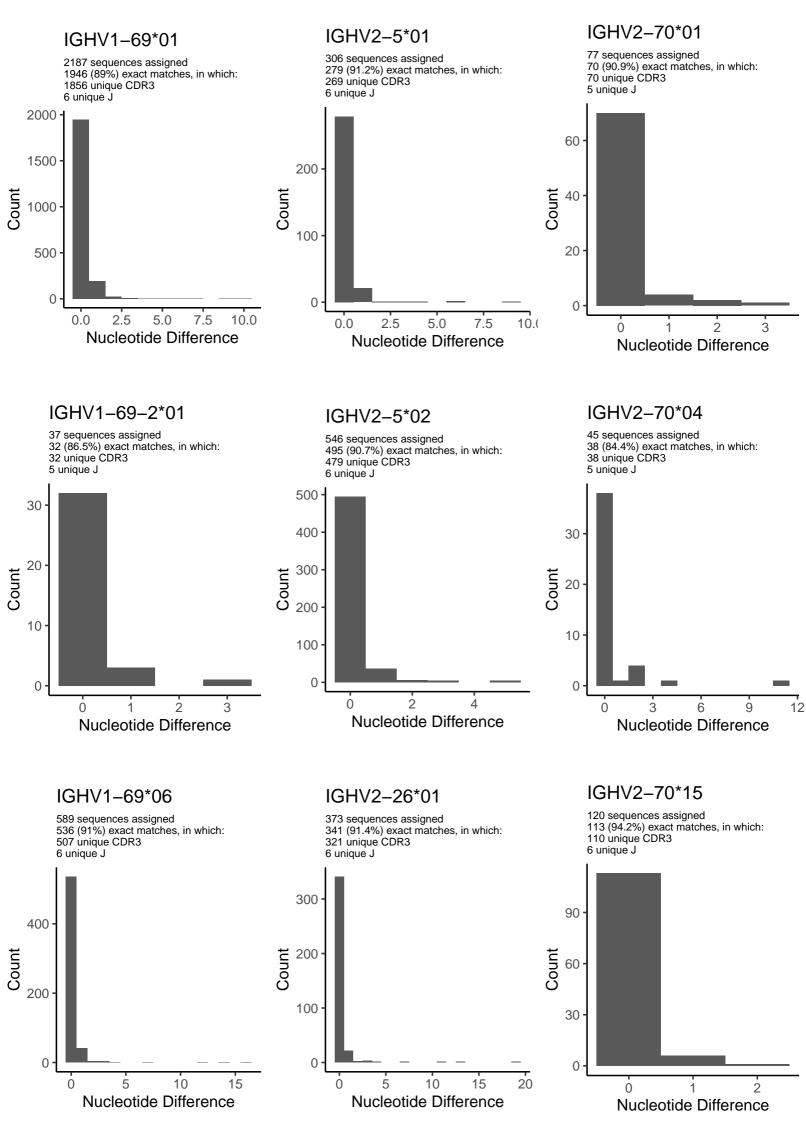
IGHV3-13*01_G290A_T300C- Final 3 nucleotides as a triplet

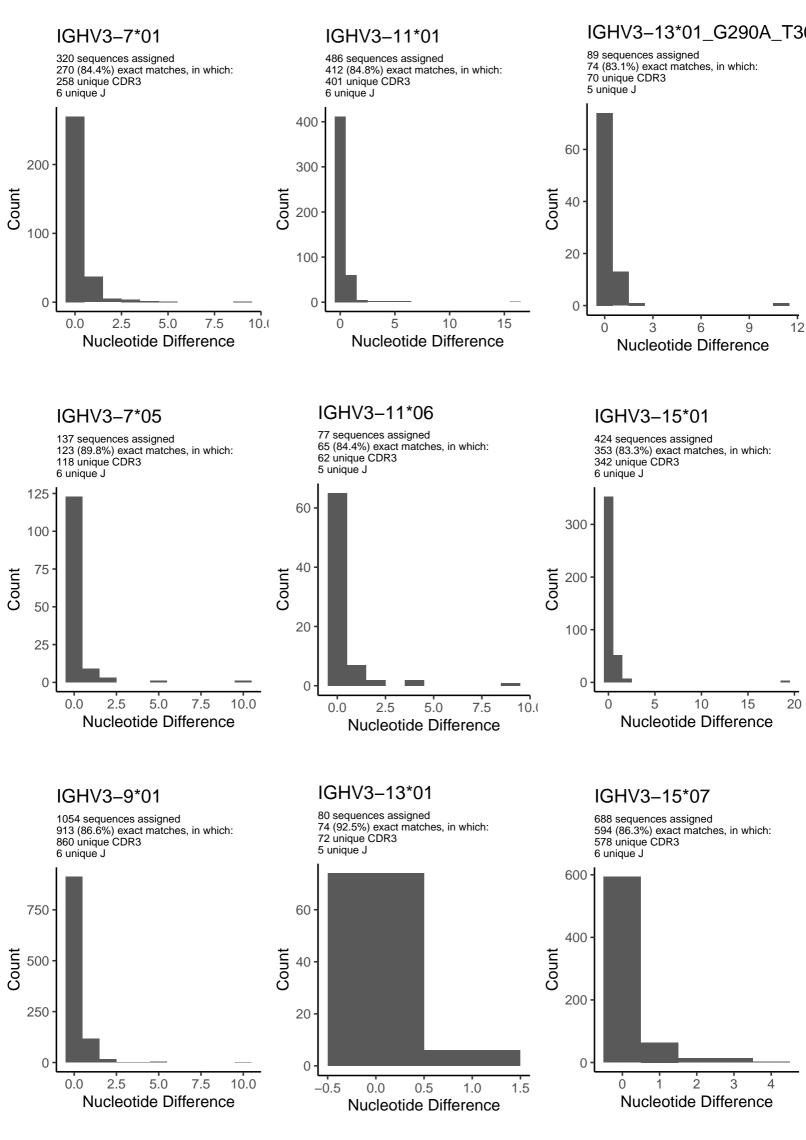


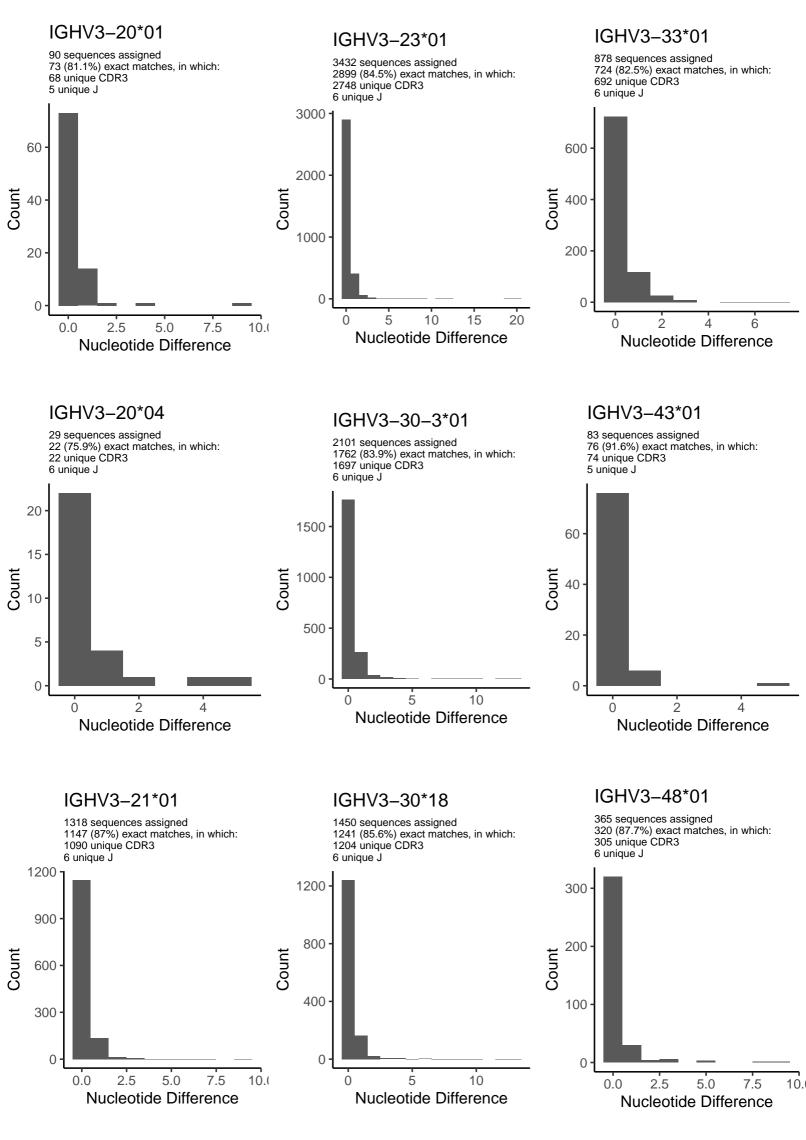
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

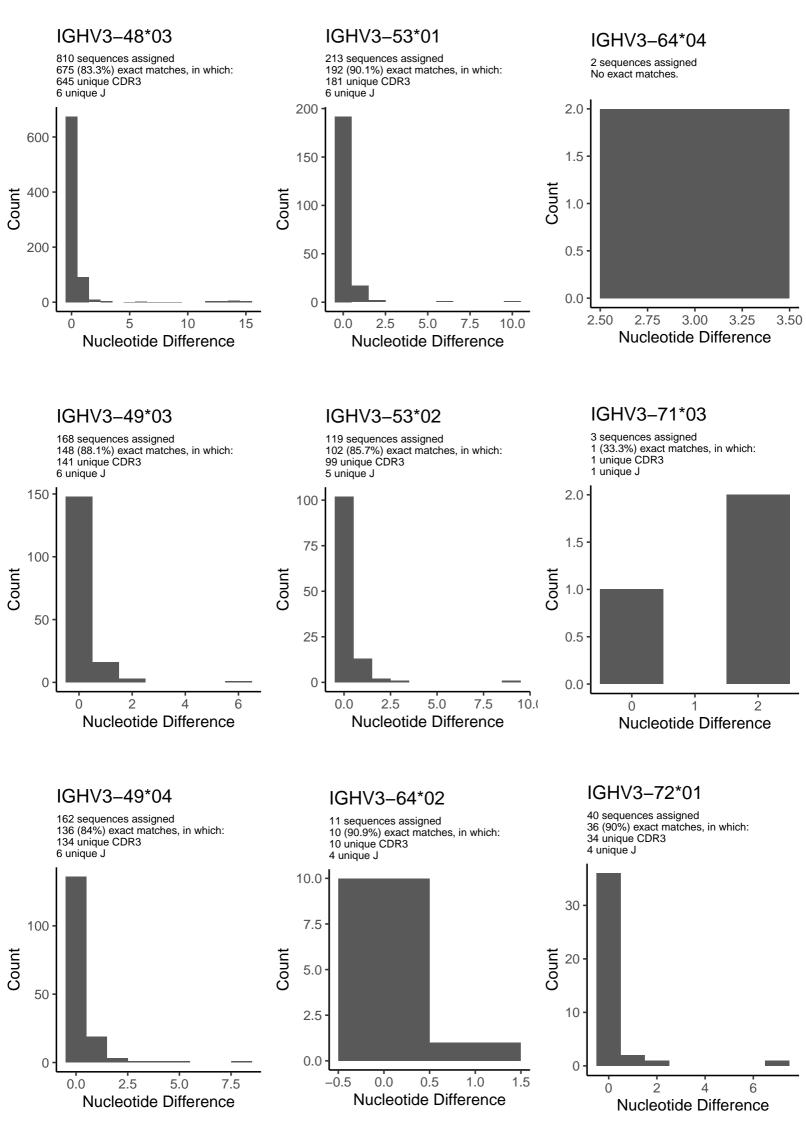


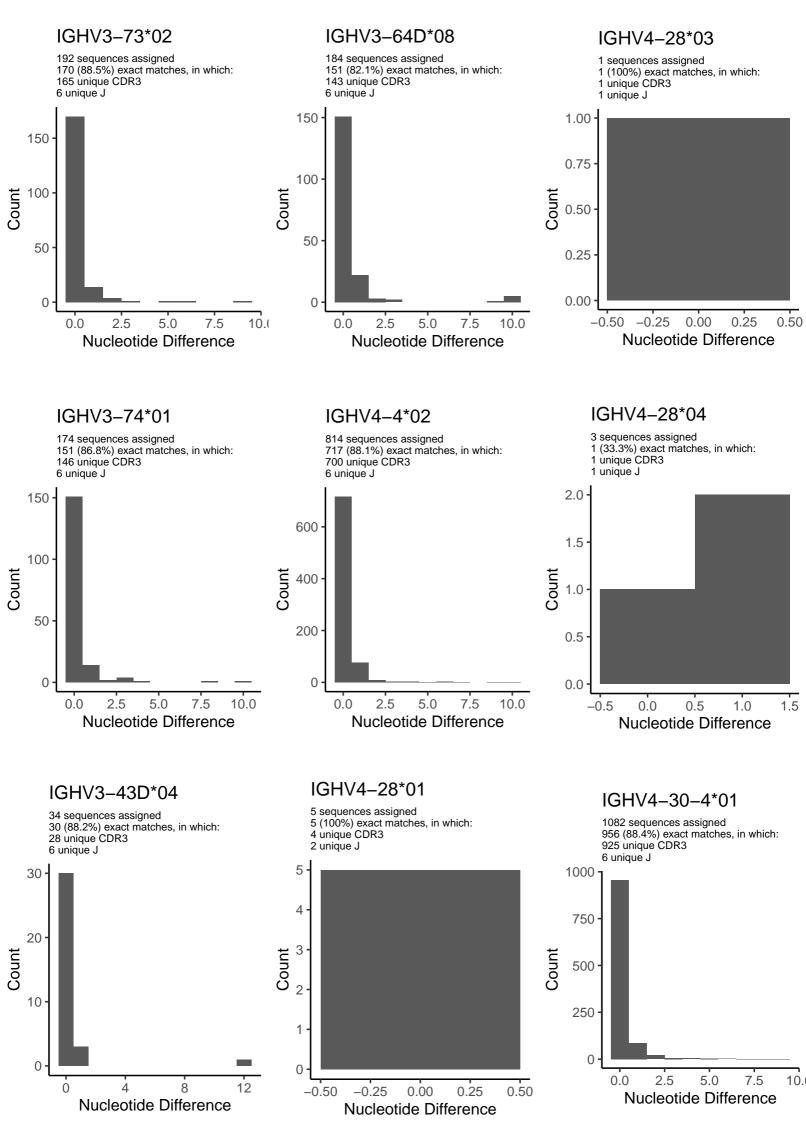


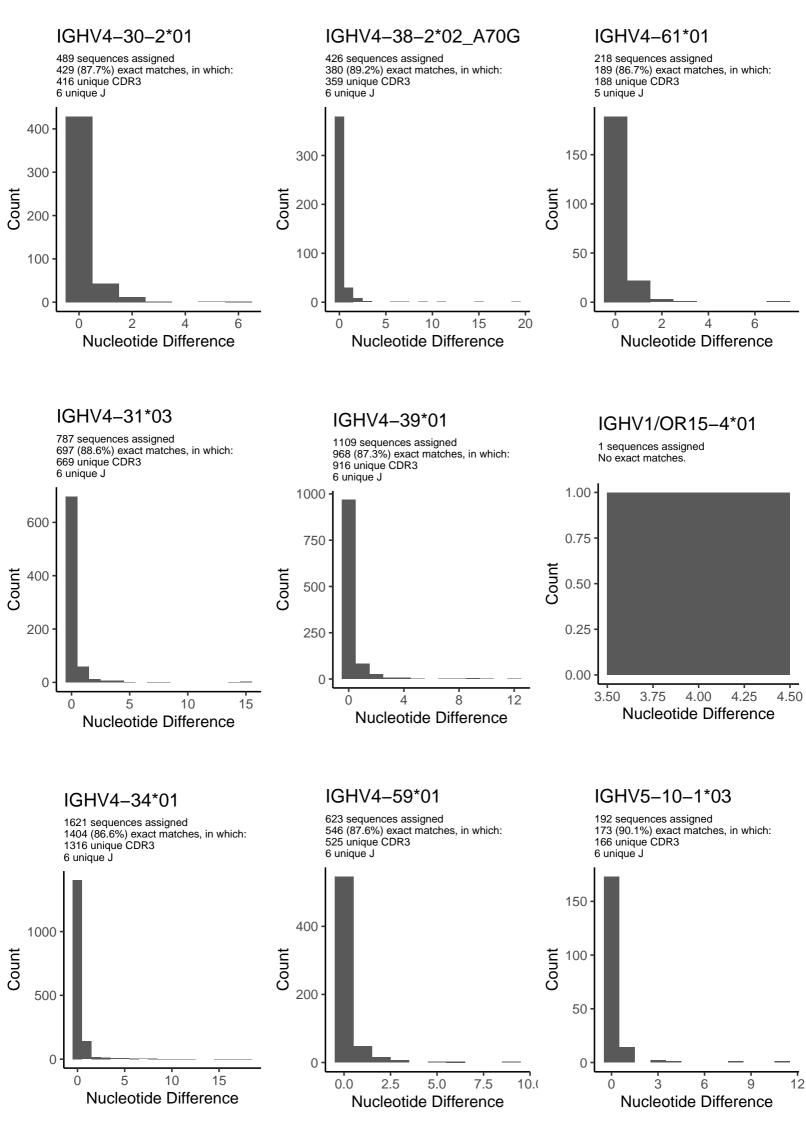






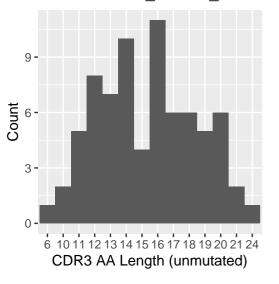






IGHV5-51*01 IGHV3/OR16-12*01 611 sequences assigned 538 (88.1%) exact matches, in which: 2 sequences assigned No exact matches. 519 unique CDR3 6 unique J 2.0 1.5 400 Count 1.0 200 0.5 0.0 0 1.25 1.50 0.50 0.75 1.00 0 **Nucleotide Difference** Nucleotide Difference IGHV6-1*01 IGHV3/OR16-15*02 272 sequences assigned 239 (87.9%) exact matches, in which: 2 sequences assigned No exact matches. 220 unique CDR3 6 unique J 250 1.00 -200 0.75 150 Count 0.50 Count 0.25 50 0.00 0 6 8 0 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*02 IGHV3/OR16-9*01 440 sequences assigned 1 sequences assigned 383 (87%) exact matches, in which: 374 unique CDR3 No exact matches. 6 unique J 400 1.00 300 0.75 Count Count 200 0.25 100 0.00 0 14.50 14.75 15.00 15.25 15.50 2.5 5.0 7.5 **Nucleotide Difference Nucleotide Difference**

IGHV3-13*01_G290A_T300C



IGHV4-38-2*02_A70G

