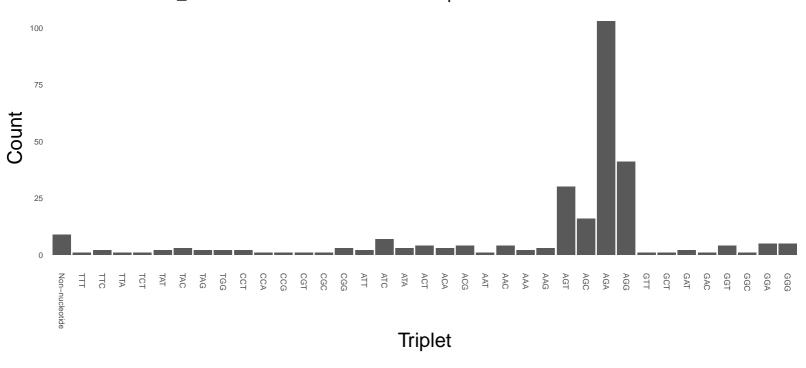
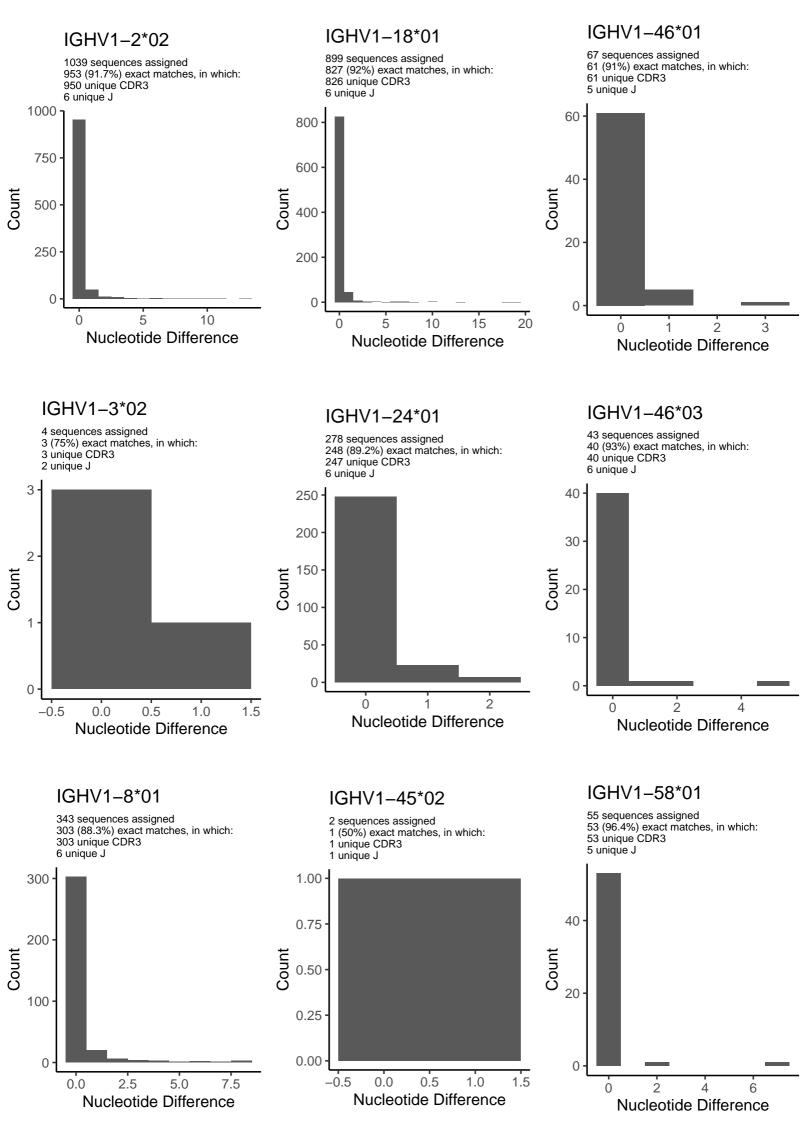
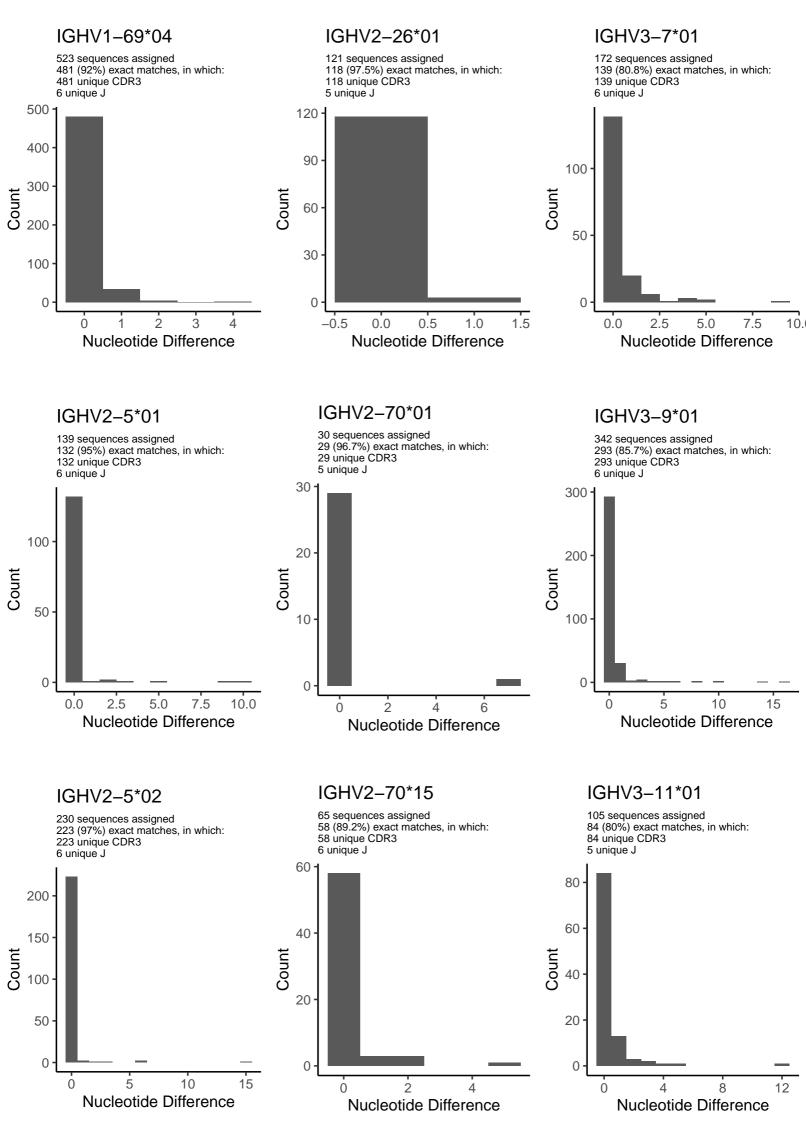
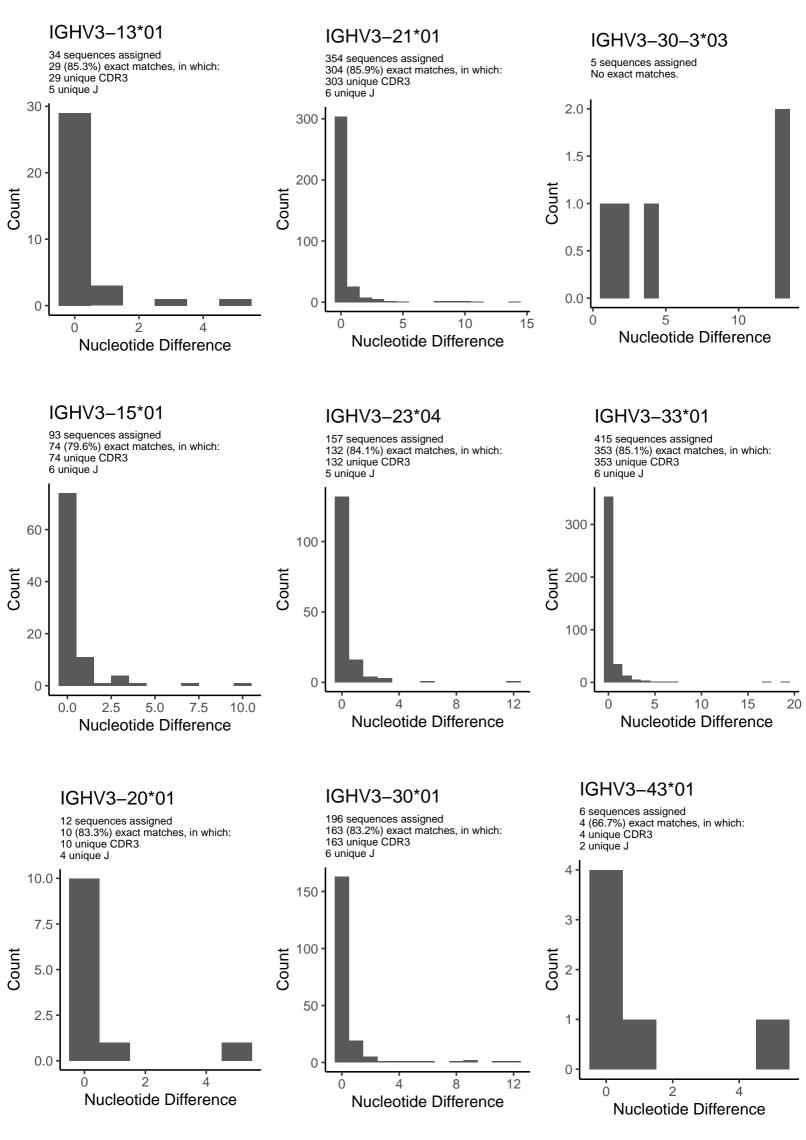


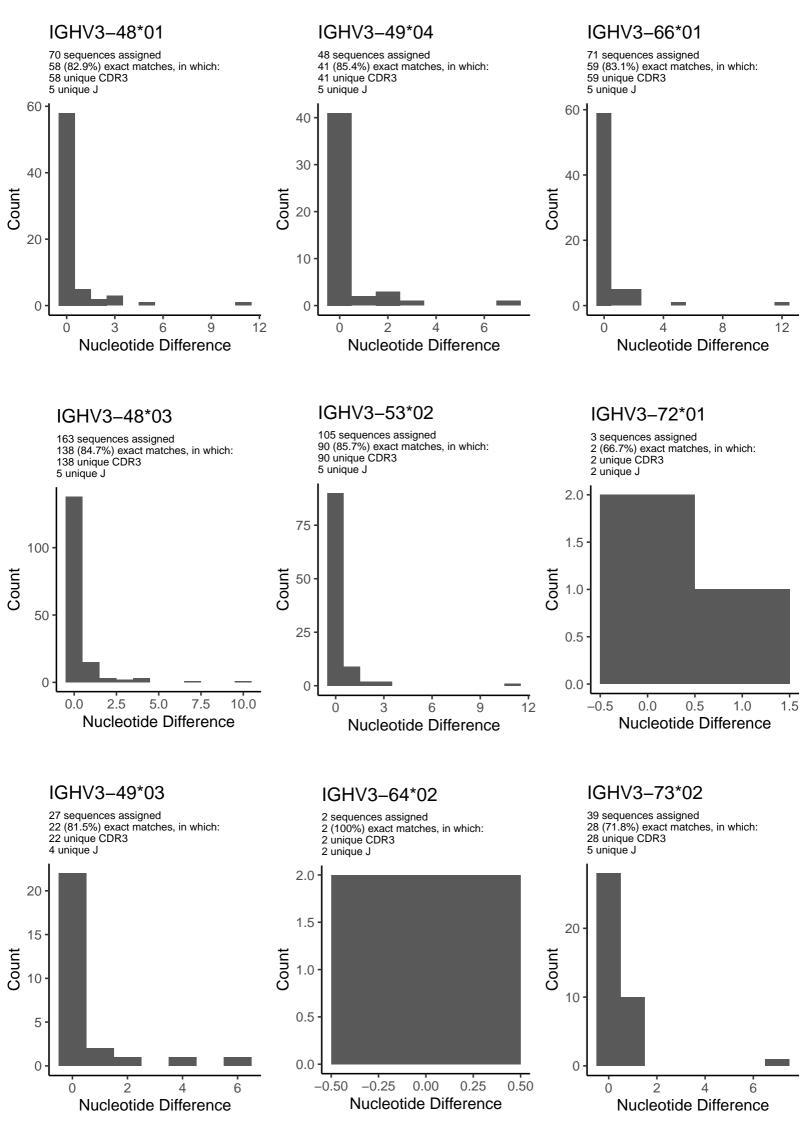
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

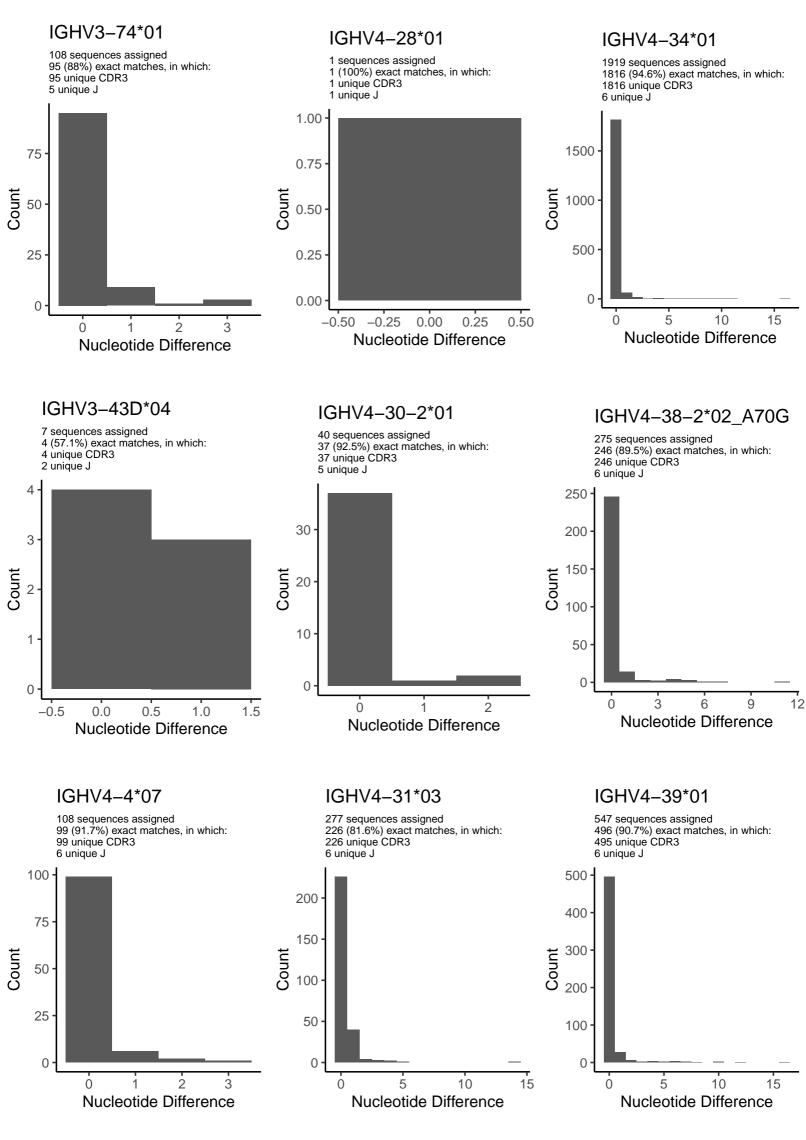




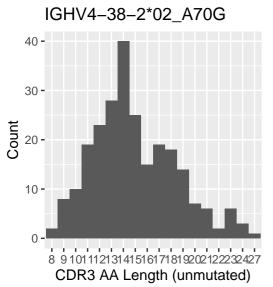








IGHV4-59*01 IGHV5-51*03 220 sequences assigned 196 (89.1%) exact matches, in which: 166 sequences assigned 158 (95.2%) exact matches, in which: 196 unique CDR3 158 unique CDR3 6 unique J 6 unique J 200 -150 150 100 Count 100 50 50 0 0 2.5 5.0 0.0 2 **Nucleotide Difference Nucleotide Difference** IGHV4-61*01 IGHV6-1*01 89 sequences assigned 78 (87.6%) exact matches, in which: 78 unique CDR3 266 sequences assigned 257 (96.6%) exact matches, in which: 257 unique CDR3 5 unique J 6 unique J 80 60 200 Count 09 100 20 0 0 2 3 0 0 **Nucleotide Difference Nucleotide Difference** IGHV5-51*01 IGHV7-81*01 405 sequences assigned 314 (77.5%) exact matches, in which: sequences assigned 1 (100%) exact matches, in which: 313 unique CDR3 1 unique CDR3 6 unique J 1 unique J 1.00 300 0.75 200 Count Count Count 100 0.25 0.00 0 0.50 -0.25 0.00 0.25 -0.500 **Nucleotide Difference Nucleotide Difference**





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