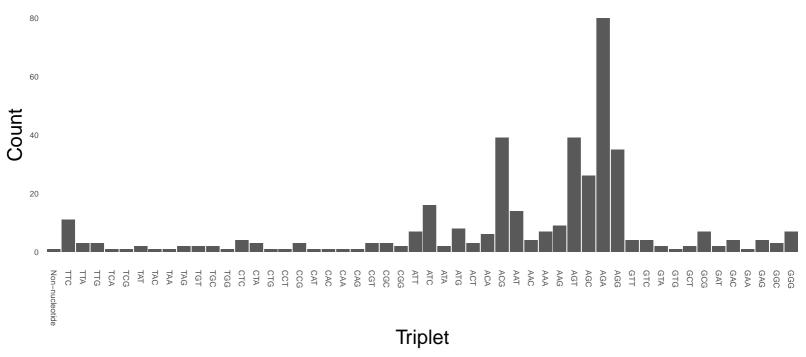
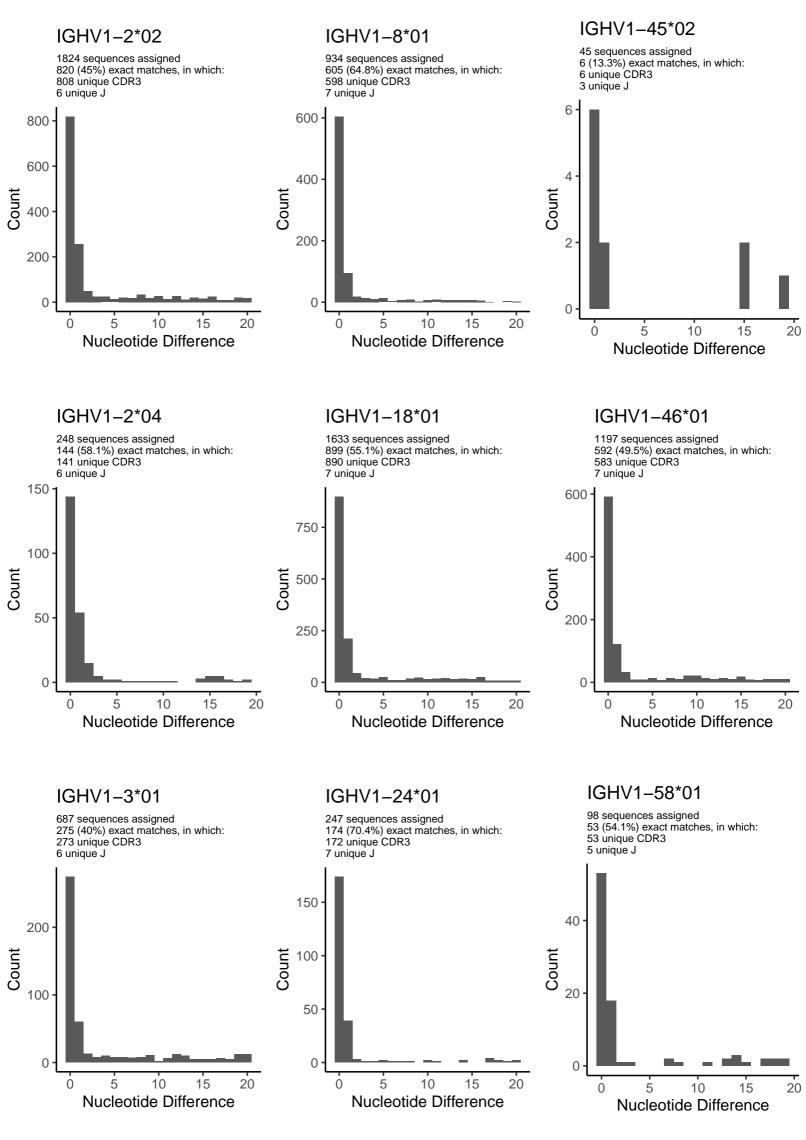
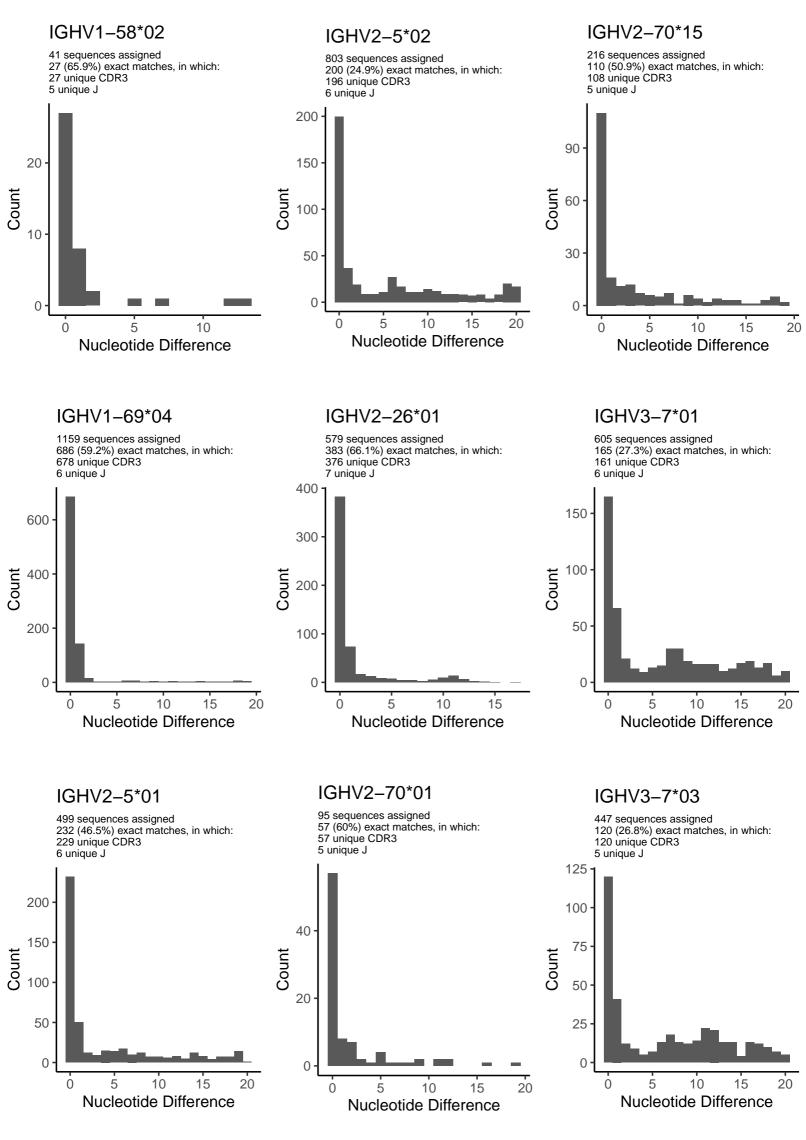
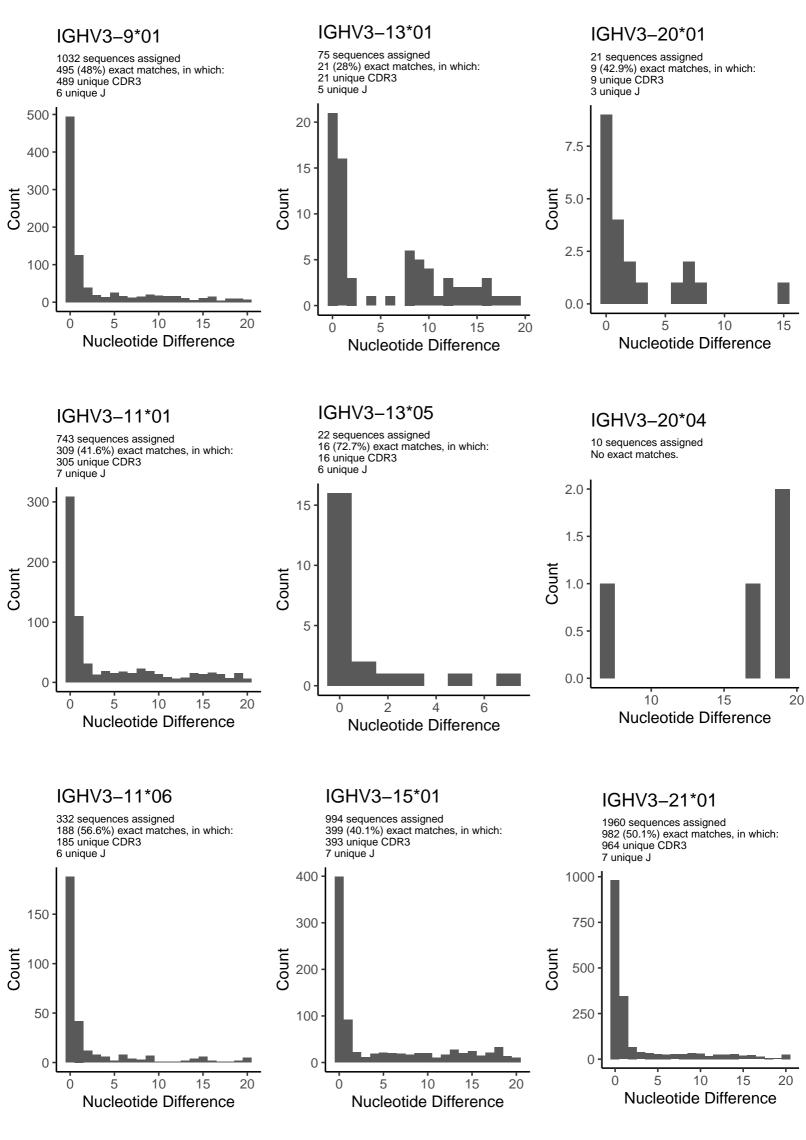


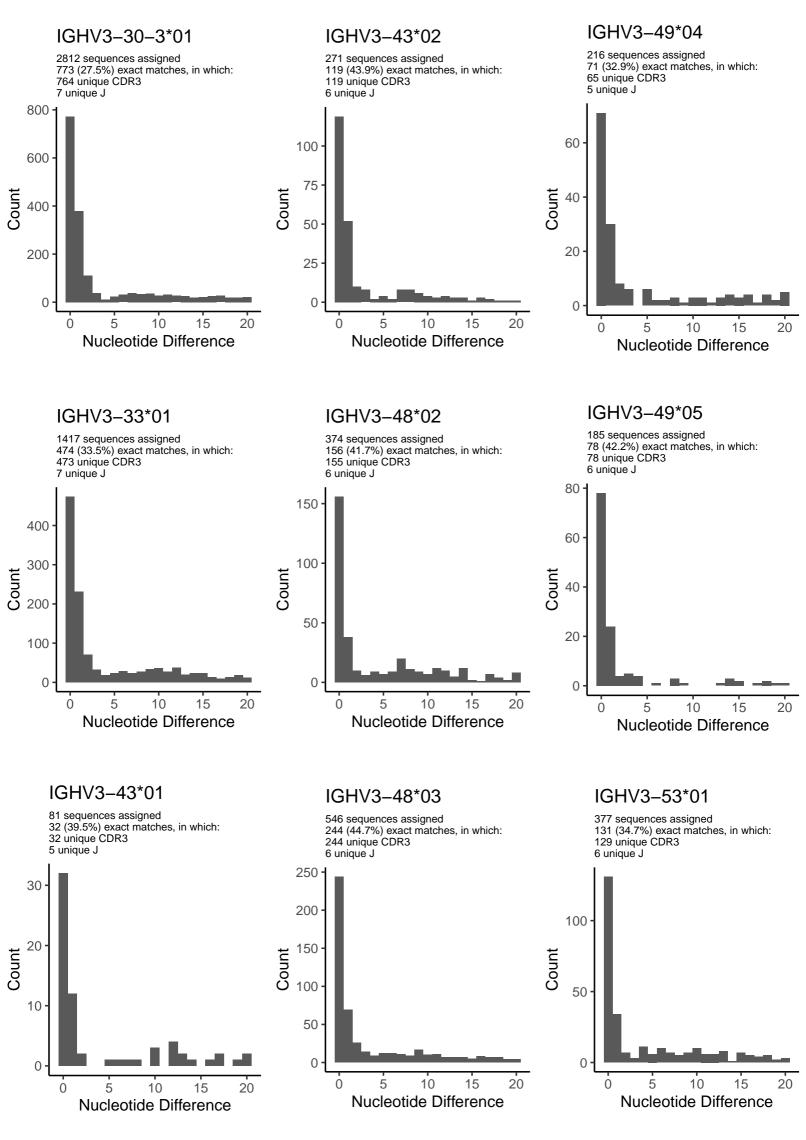
IGHV4-4*02_C20T- Final 3 nucleotides as a triplet

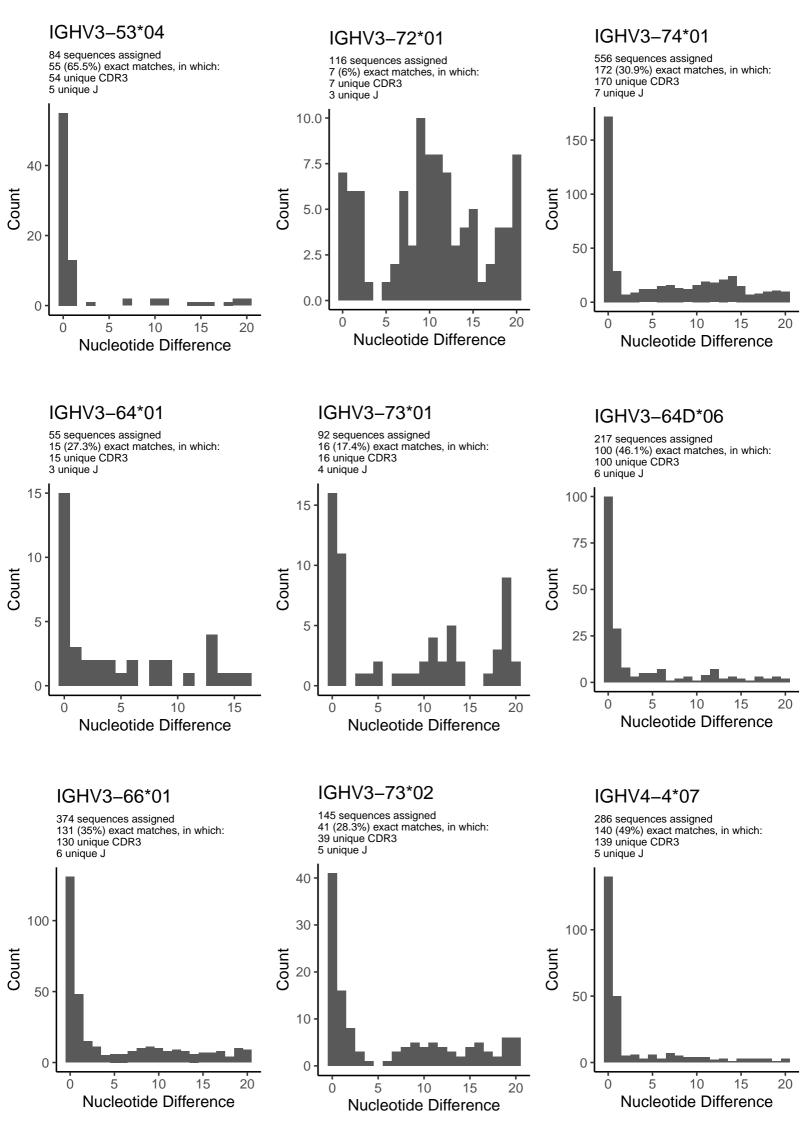


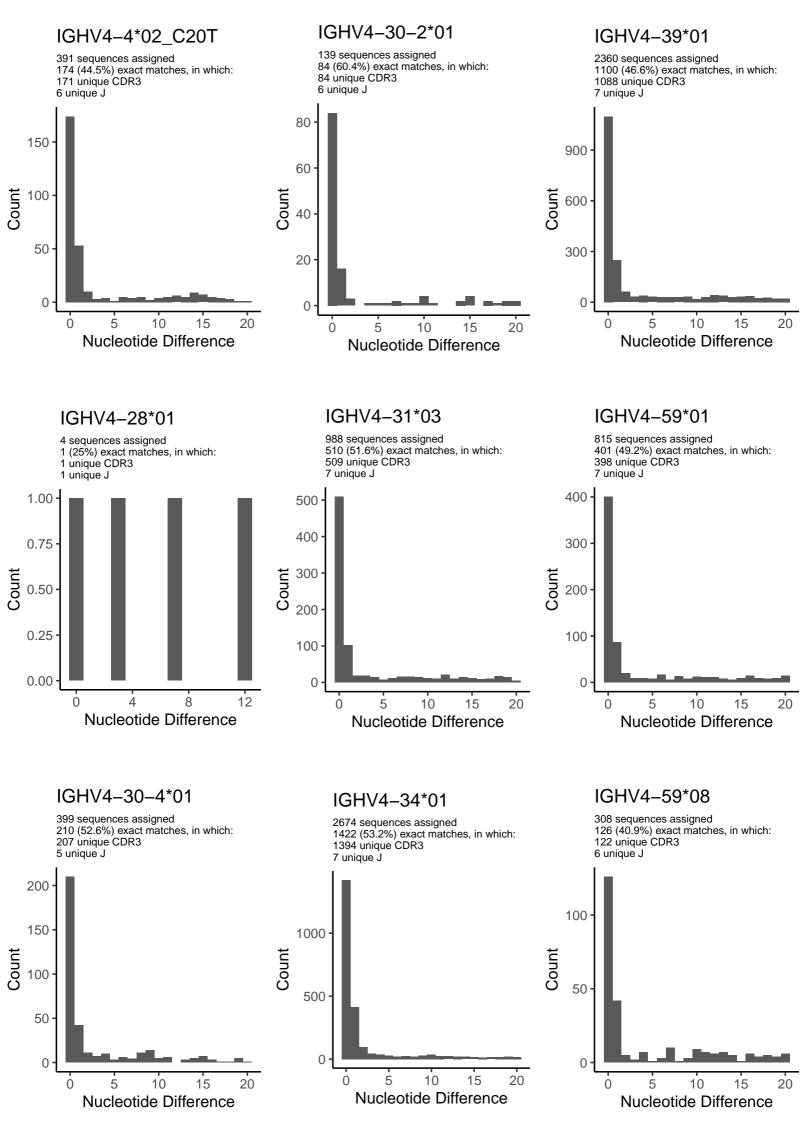




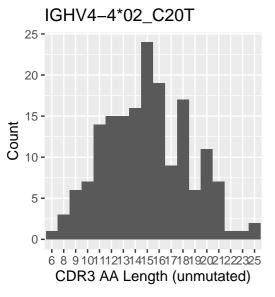


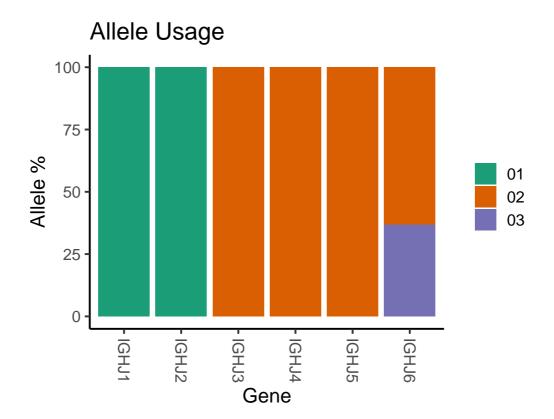




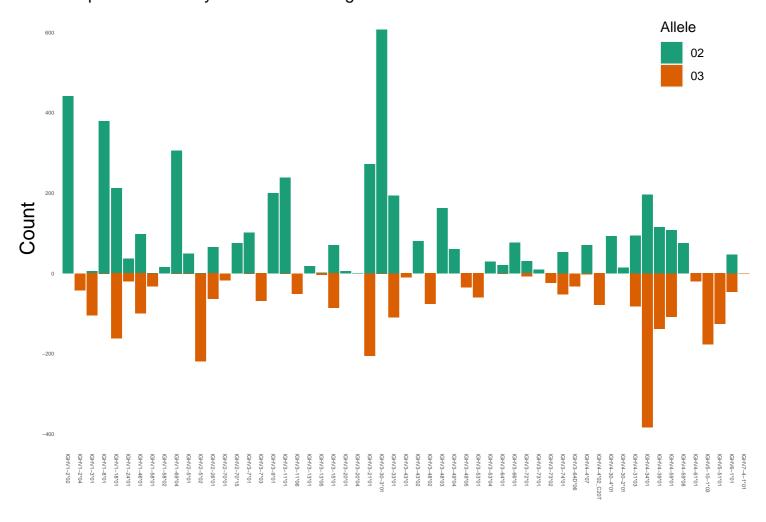


IGHV4-61*01 IGHV5-51*01 109 sequences assigned 44 (40.4%) exact matches, in which: 858 sequences assigned 349 (40.7%) exact matches, in which: 44 unique CDR3 343 unique CDR3 5 unique J 6 unique J 40 300 30 Count Count Count 200 100 10 0 0 0 5 10 15 20 0 10 15 **Nucleotide Difference** Nucleotide Difference IGHV6-1*01 IGHV1/OR15-9*01 396 sequences assigned 169 (42.7%) exact matches, in which: 1 sequences assigned No exact matches. 168 unique CDR3 7 unique J 1.00 -150 0.75 Count 0.50 Count 100 50 0.25 0.00 0 12.00 12.25 12.50 11.50 11.75 5 10 15 20 0 **Nucleotide Difference** Nucleotide Difference IGHV7-4-1*01 IGHV5-10-1*03 6 sequences assigned 705 sequences assigned 356 (50.5%) exact matches, in which: 4 (enique CDR3 354 unique CDR3 3 unique J 6 unique J 300 3 Count 2 Count 200 100 1 0 0 10 15 20 8 0 **Nucleotide Difference Nucleotide Difference**





Sequence Count by IGHJ6 allele usage



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