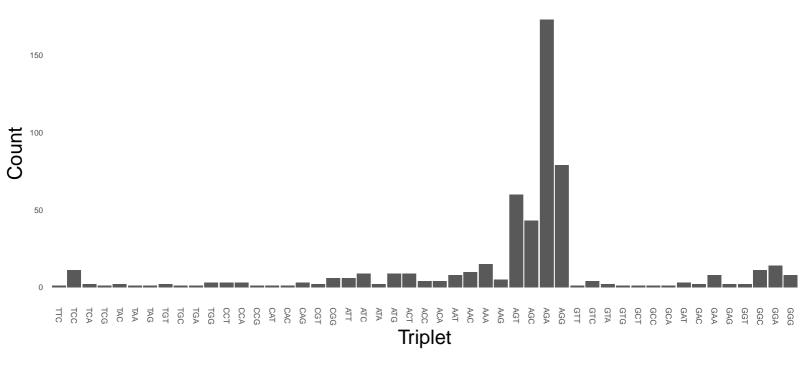
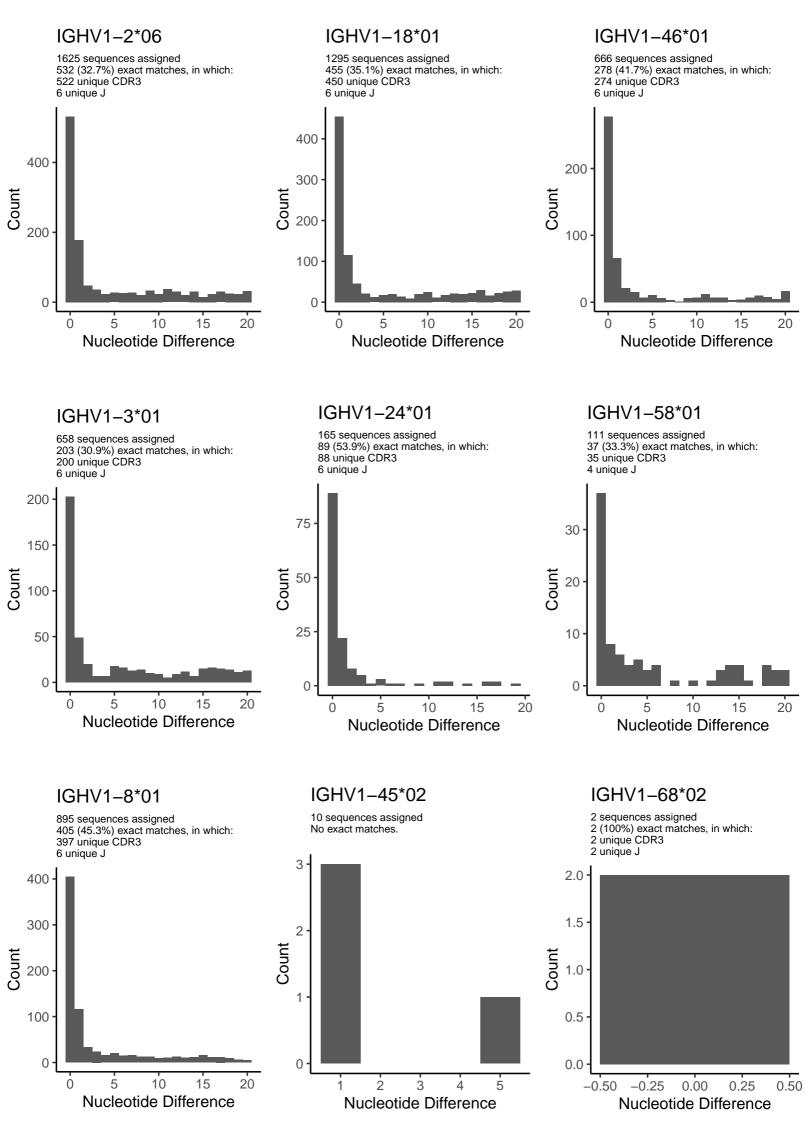
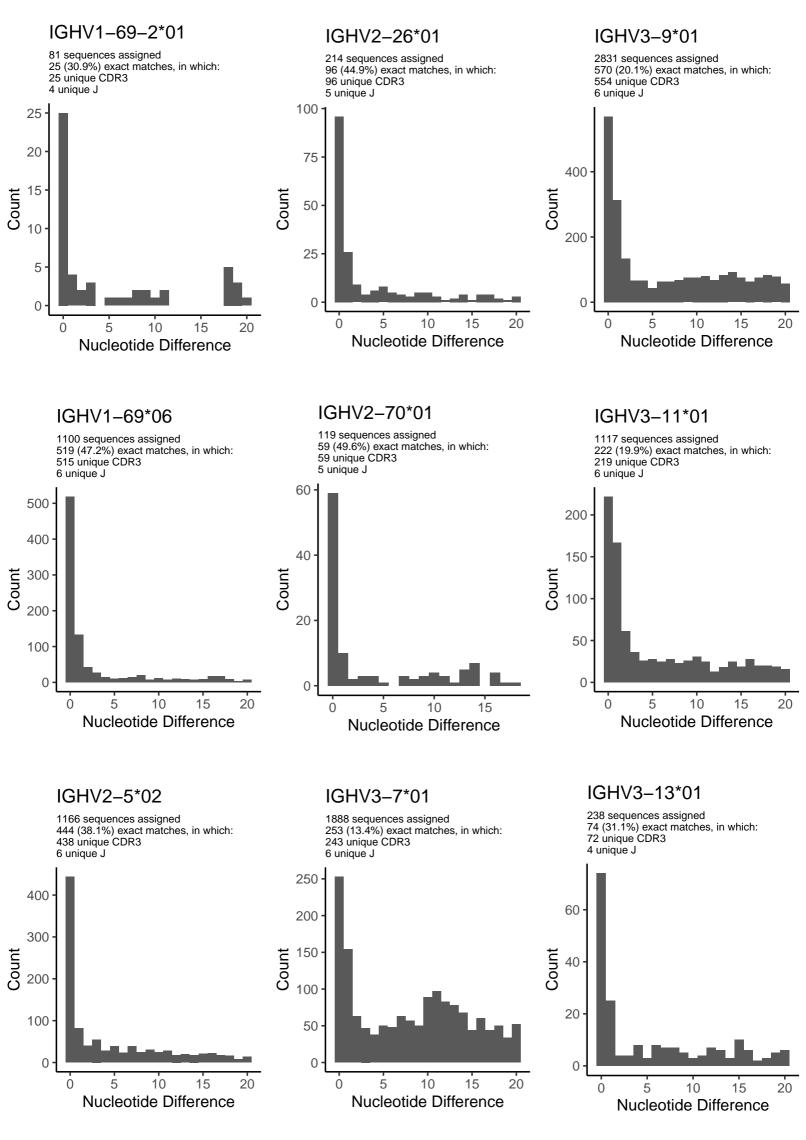
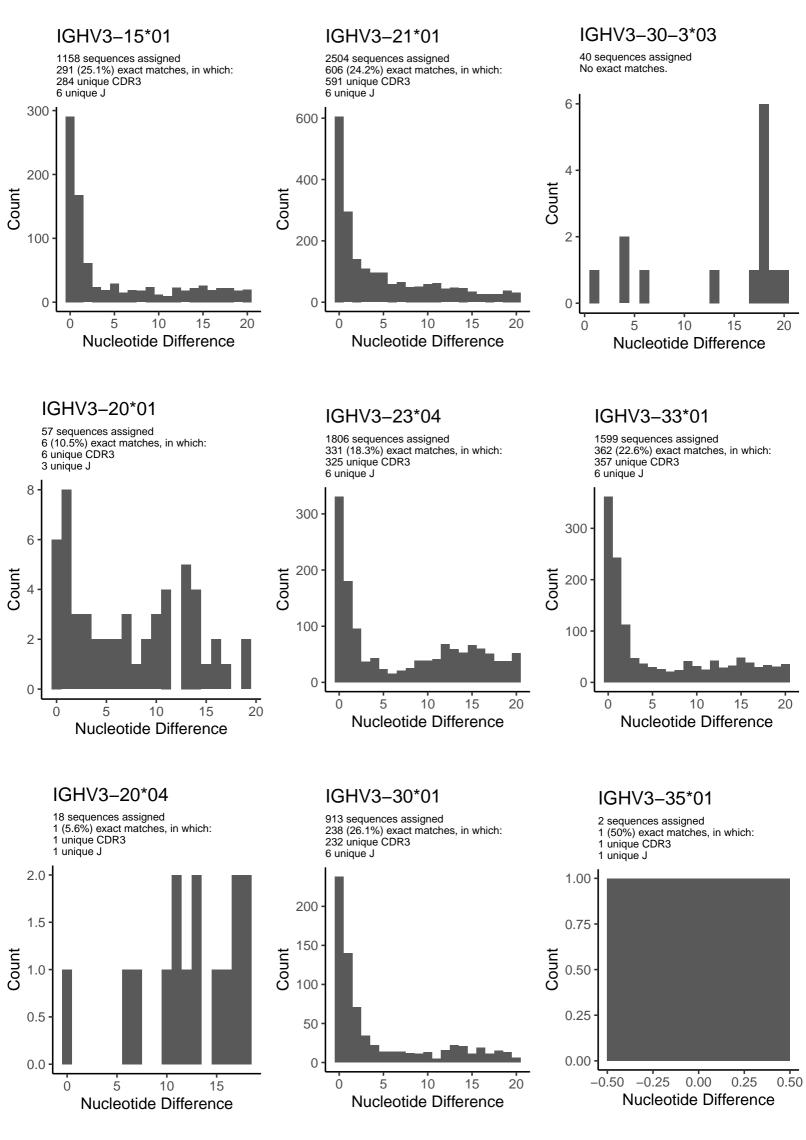


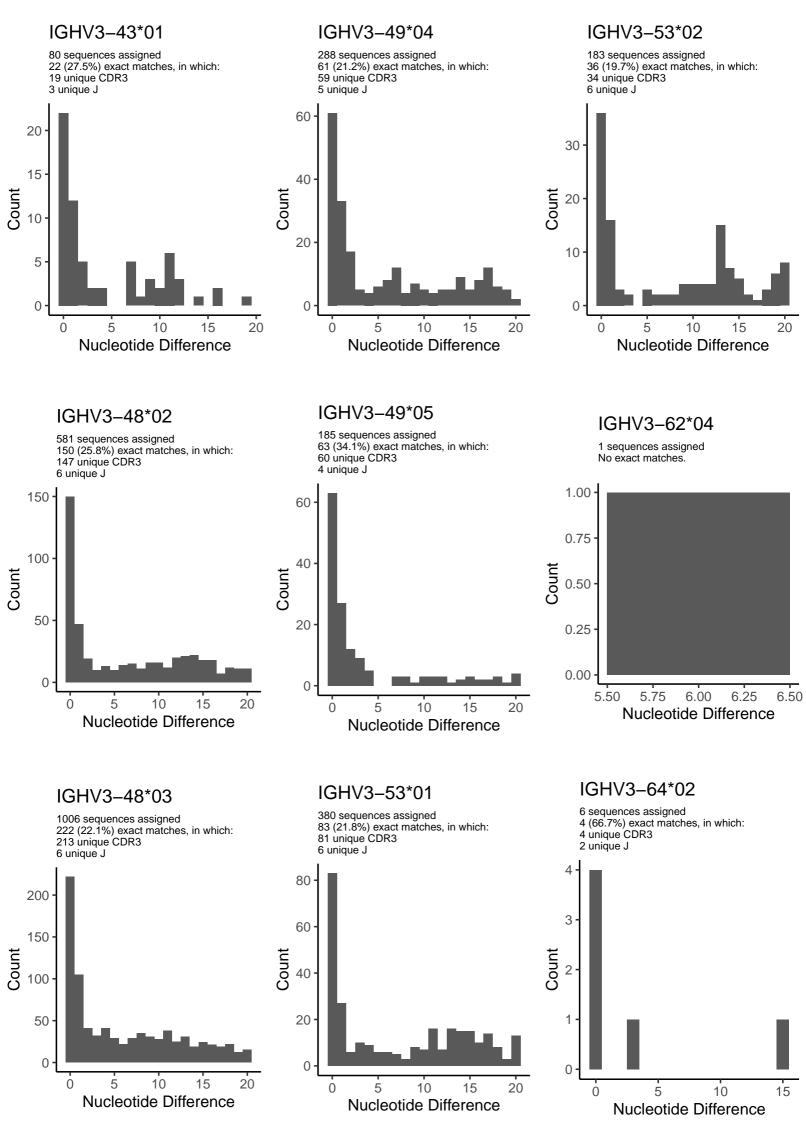
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

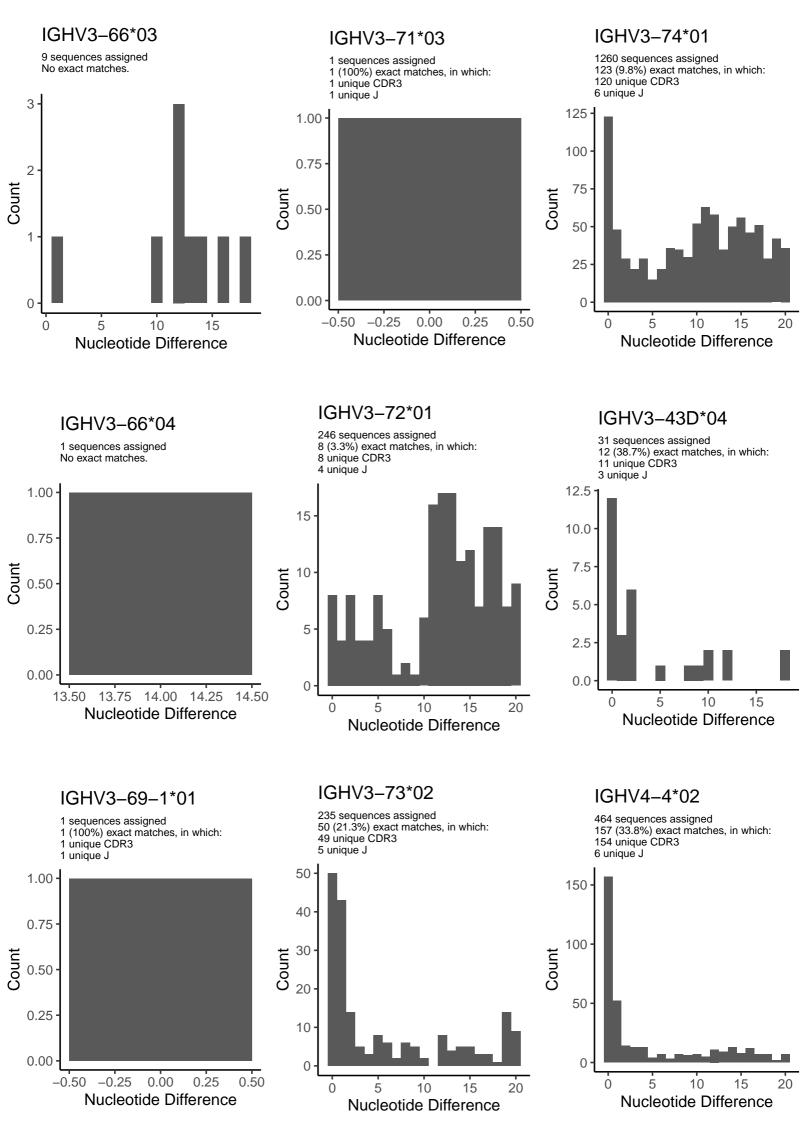


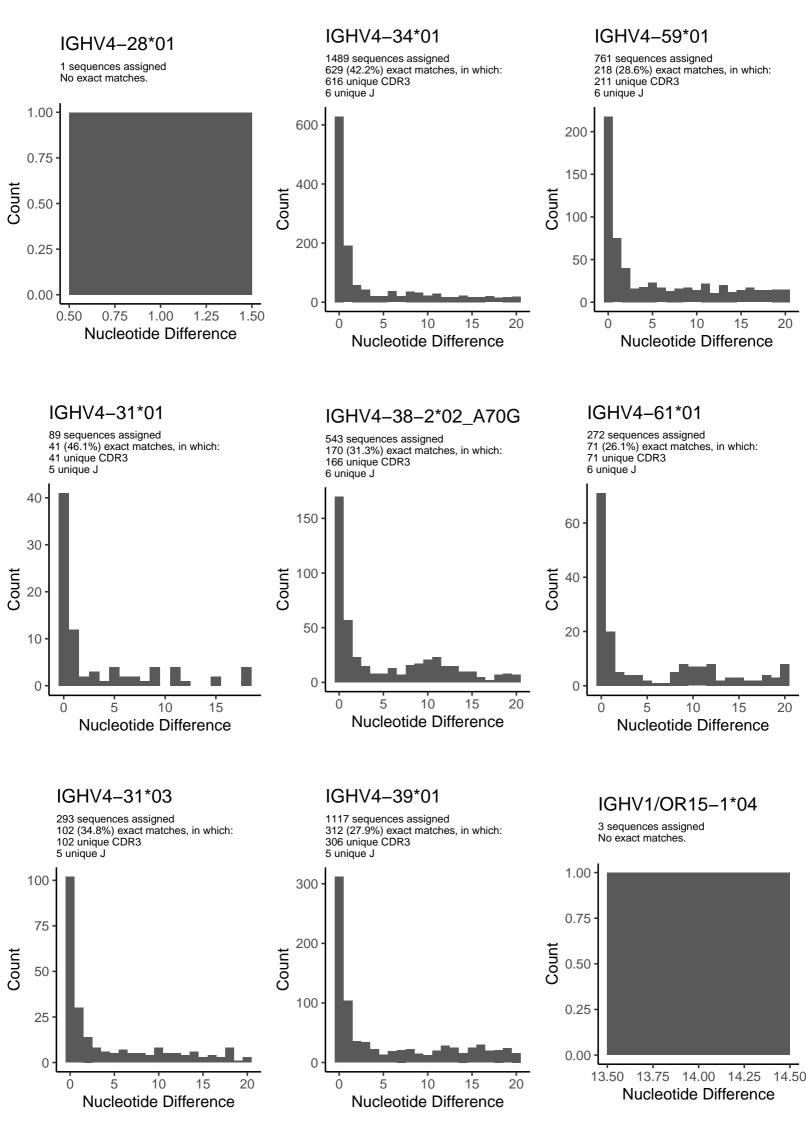








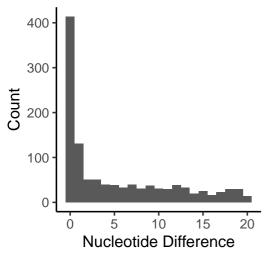




IGHV7-4-1*02 IGHV4/OR15-8*02 818 sequences assigned 271 (33.1%) exact matches, in which: 266 unique CDR3 6 unique J 3 sequences assigned No exact matches. 1.00 -0.75 200 Count 0.50 100 0.25 0.00 10 15 20 10 15 5 20 Nucleotide Difference **Nucleotide Difference**

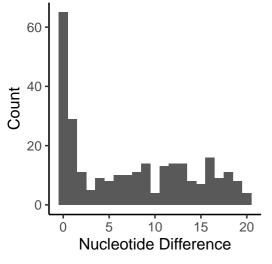
IGHV5-51*01

1314 sequences assigned 414 (31.5%) exact matches, in which: 404 unique CDR3 6 unique J

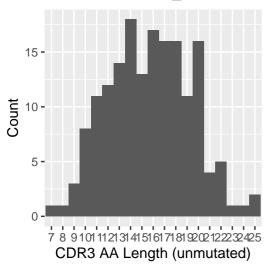


IGHV6-1*01

317 sequences assigned 65 (20.5%) exact matches, in which: 64 unique CDR3 5 unique J



IGHV4-38-2*02_A70G





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