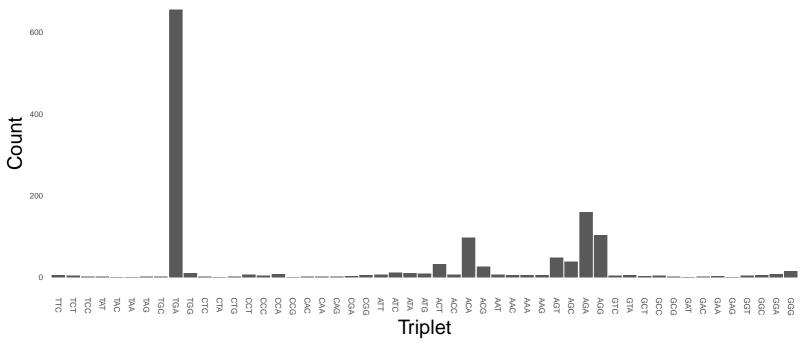
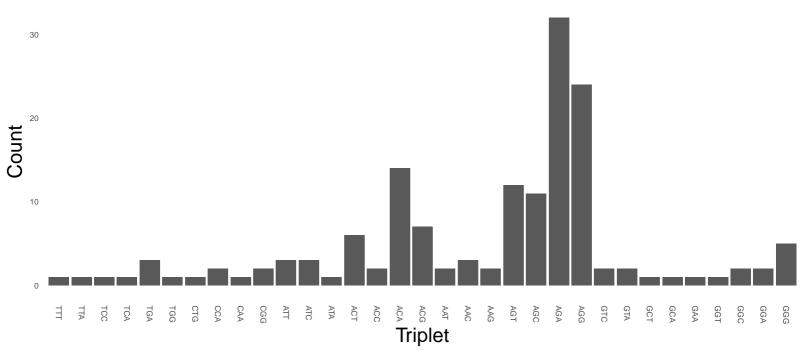
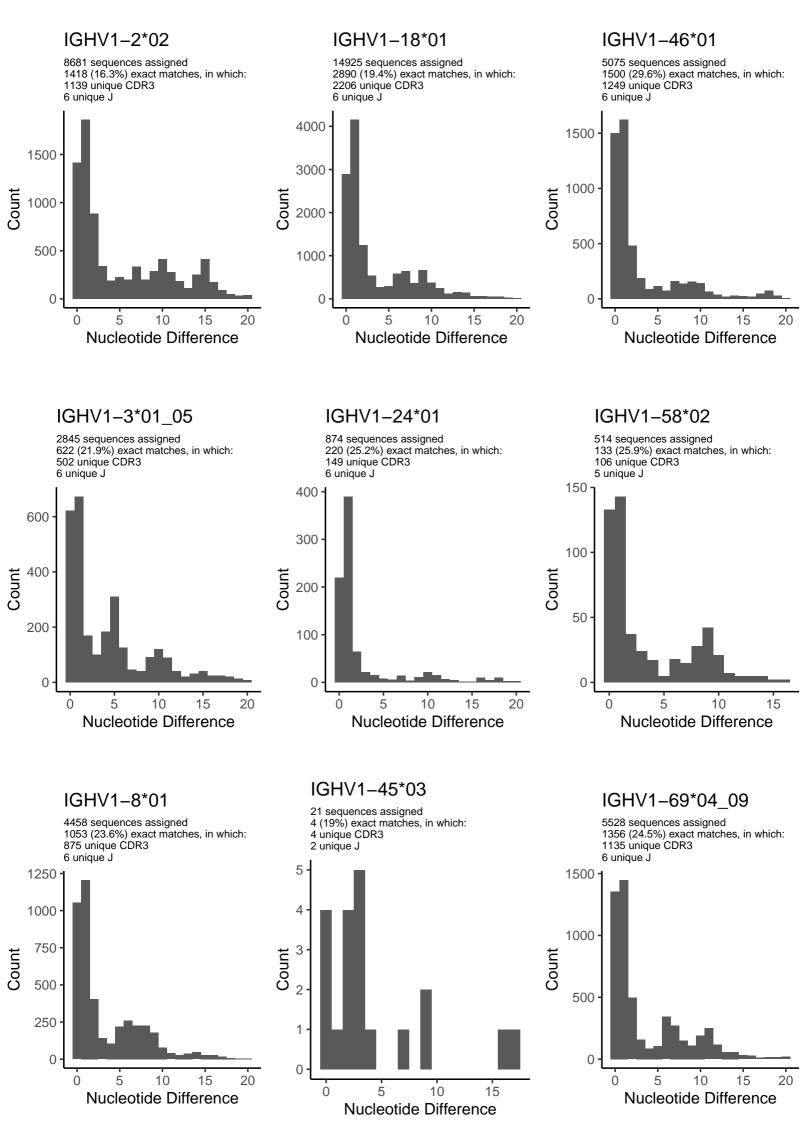


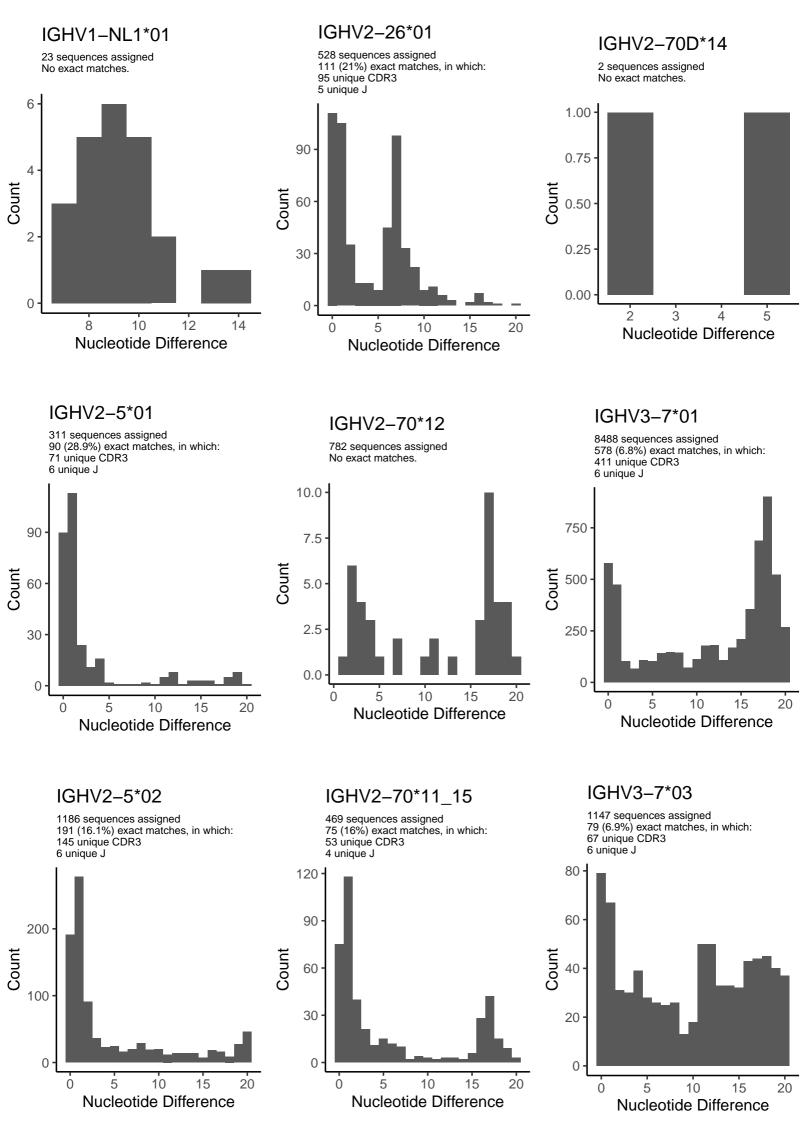
IGHV4-31*02_G92A_C111T_A113T_A138T_A164G_A225C_A234C_G238C_A240T_T249C_A25

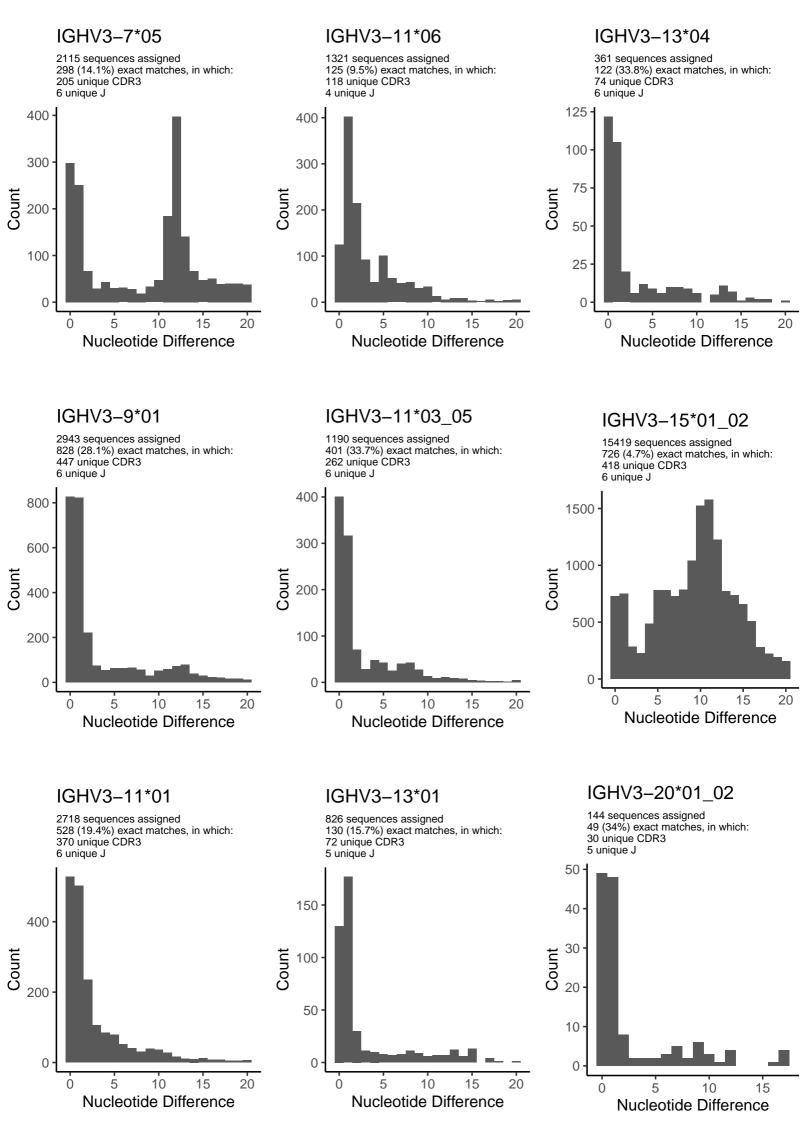


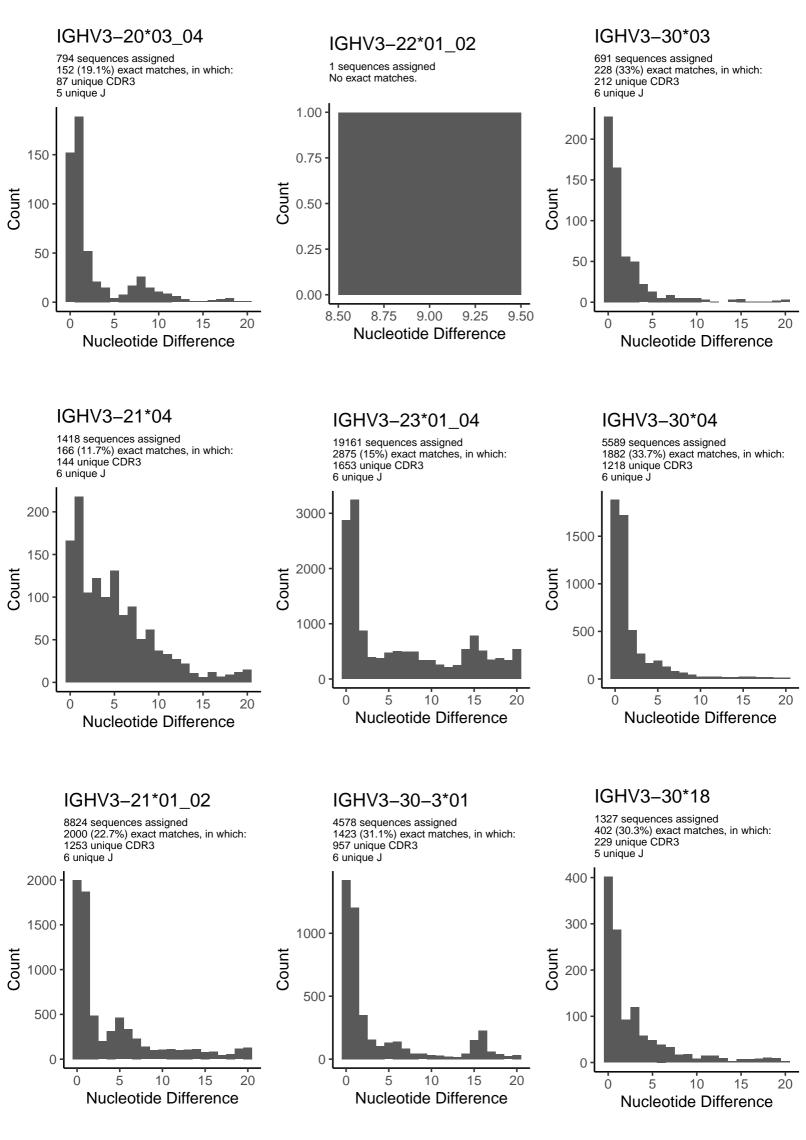
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

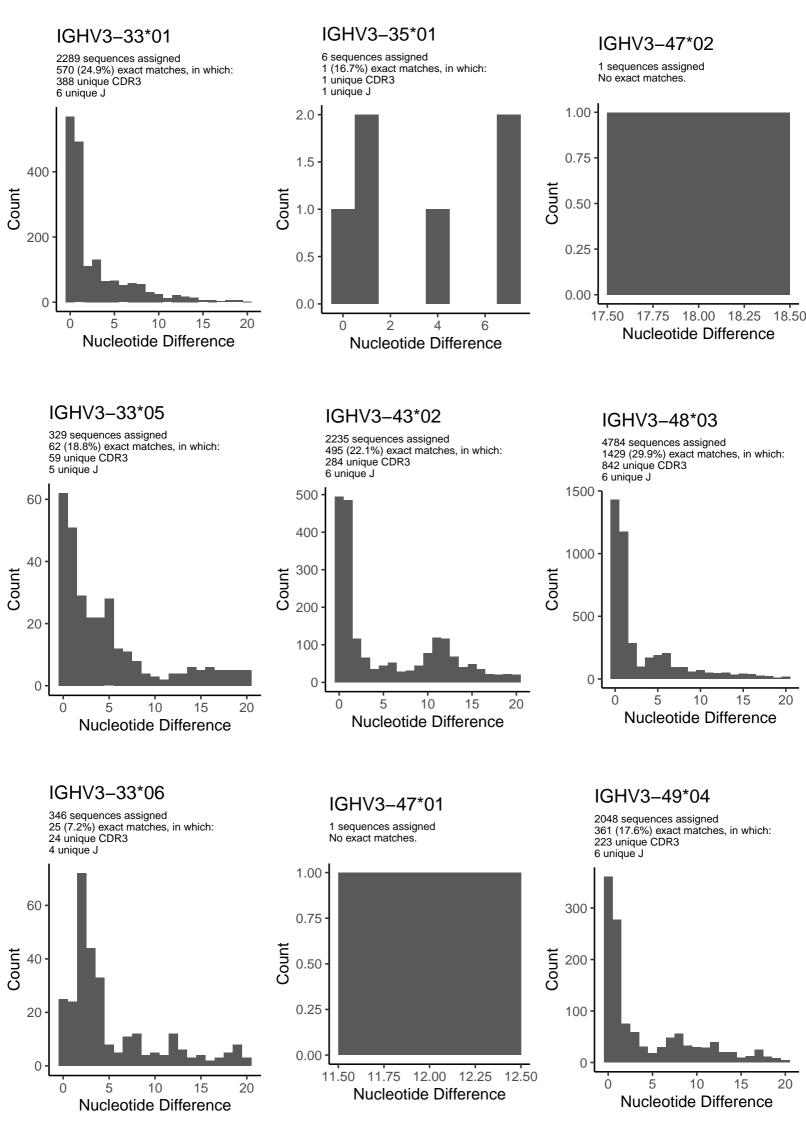


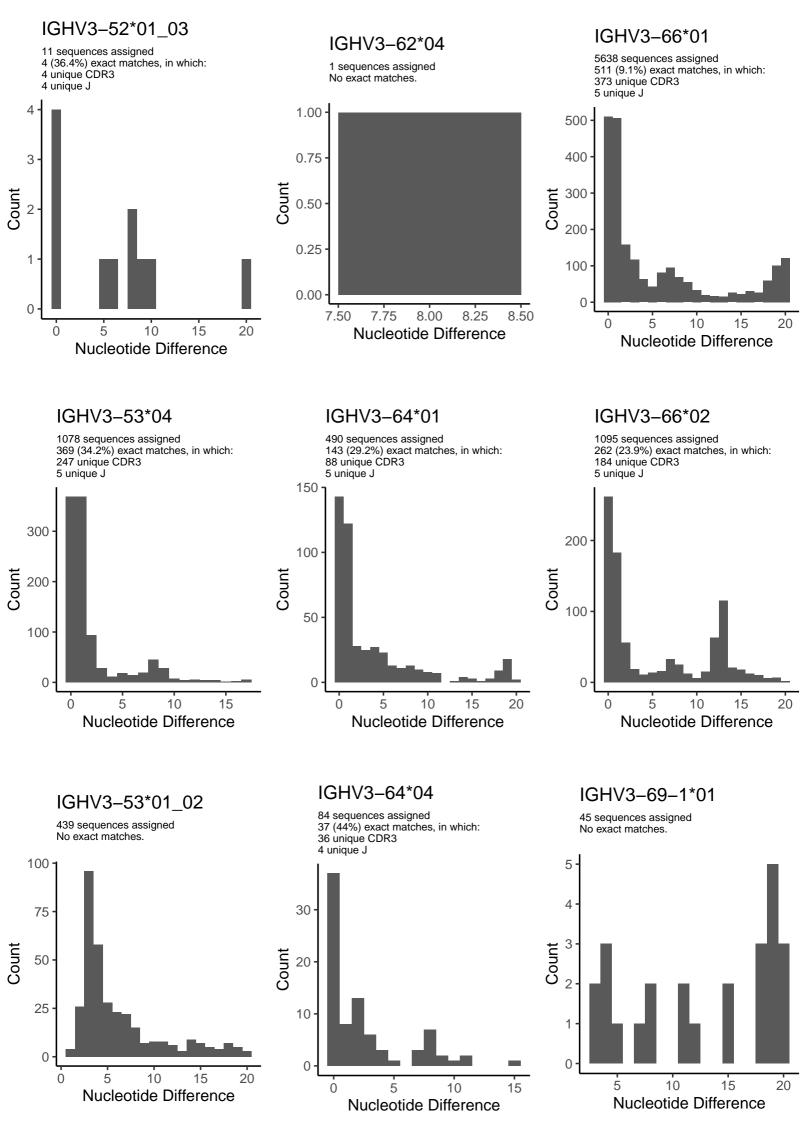


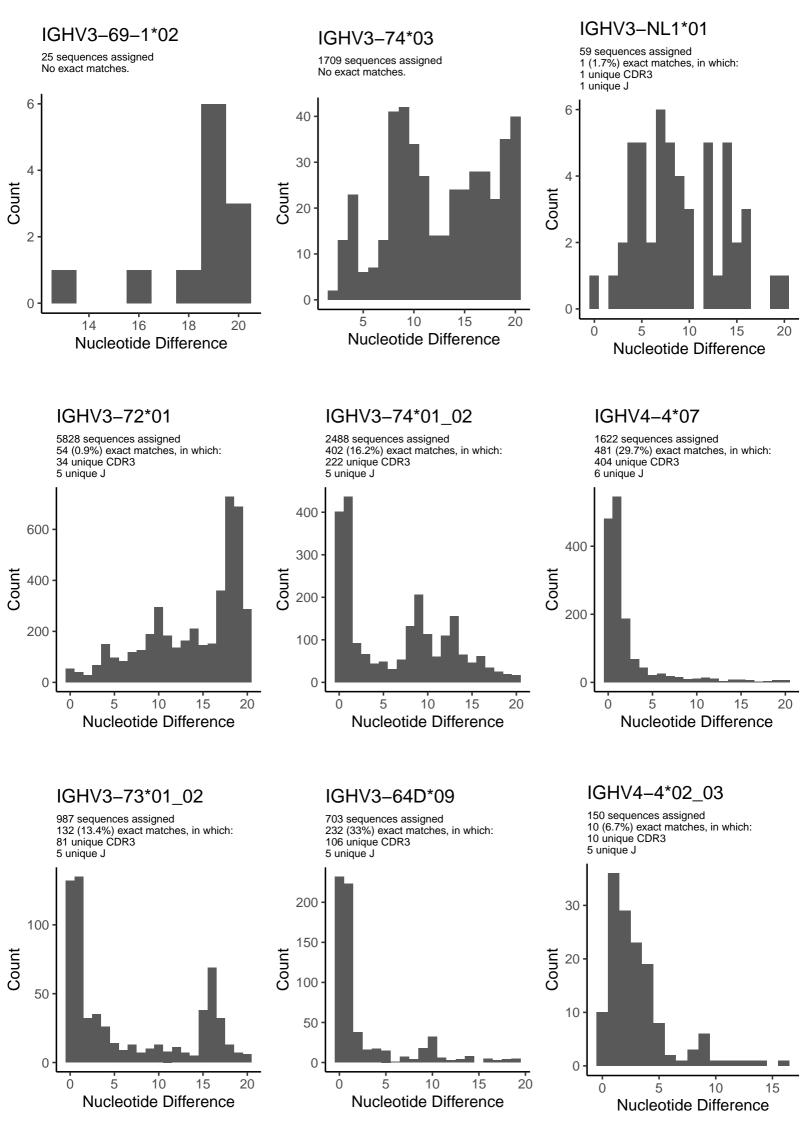


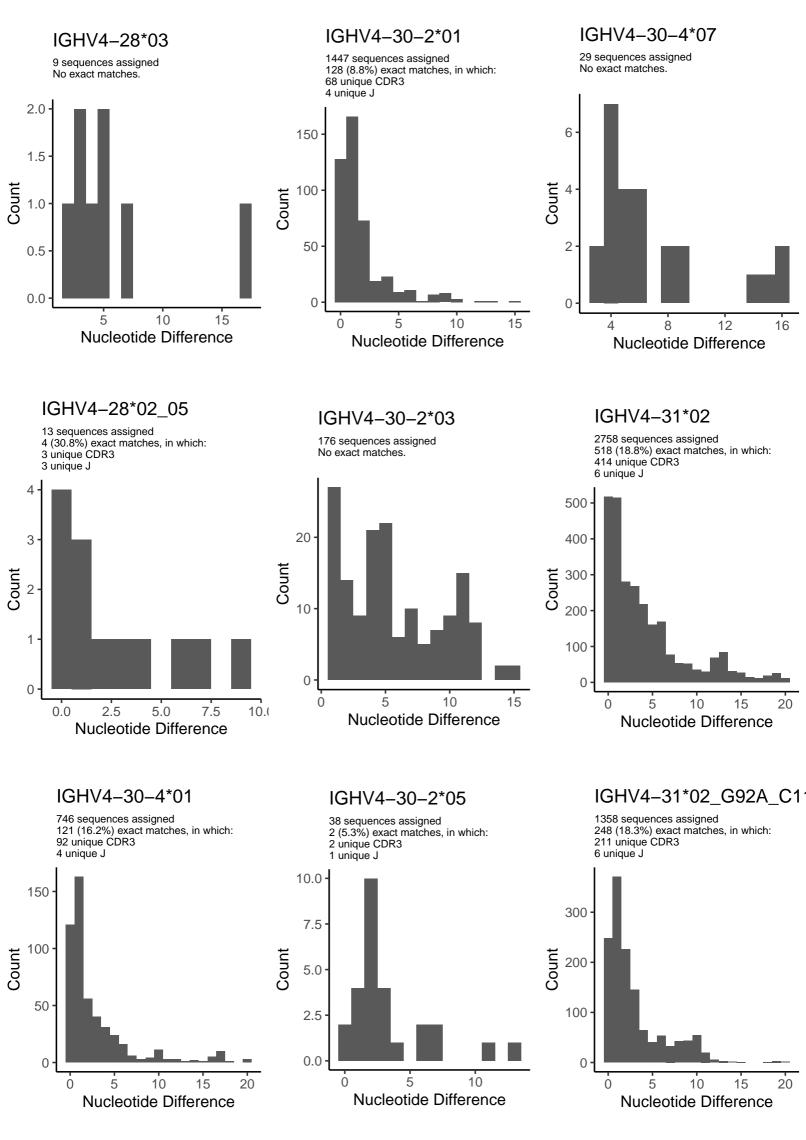


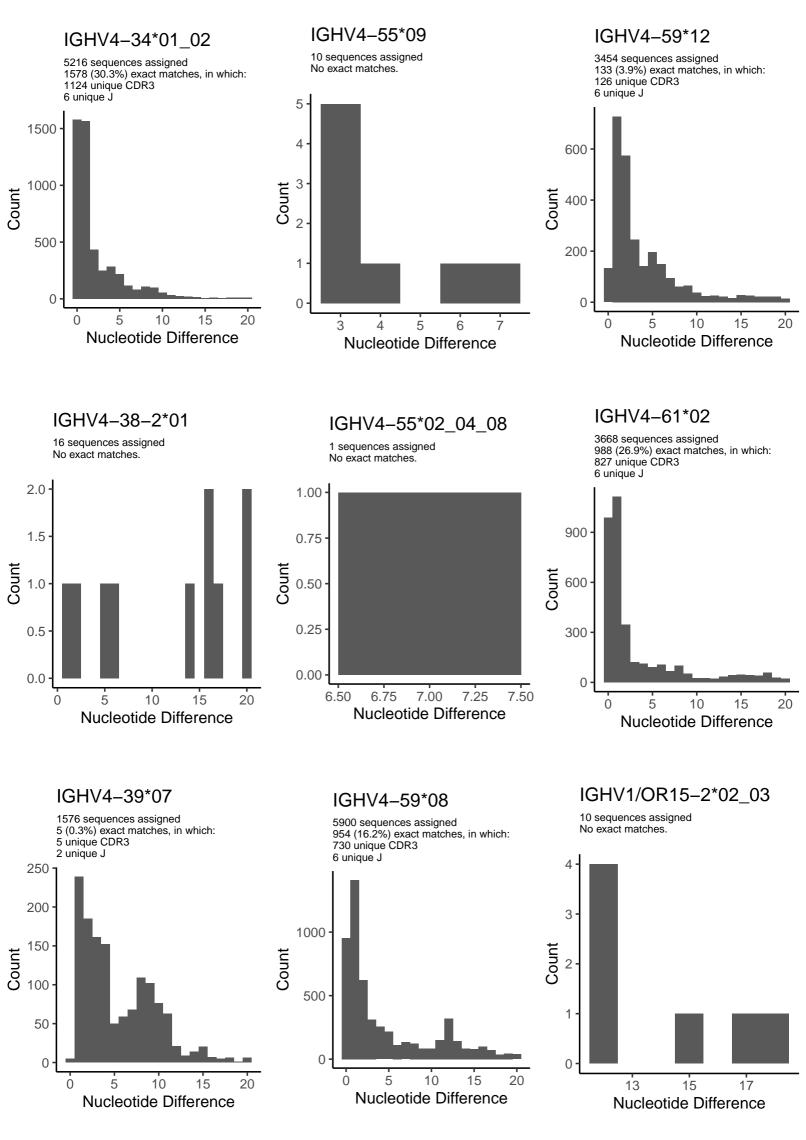


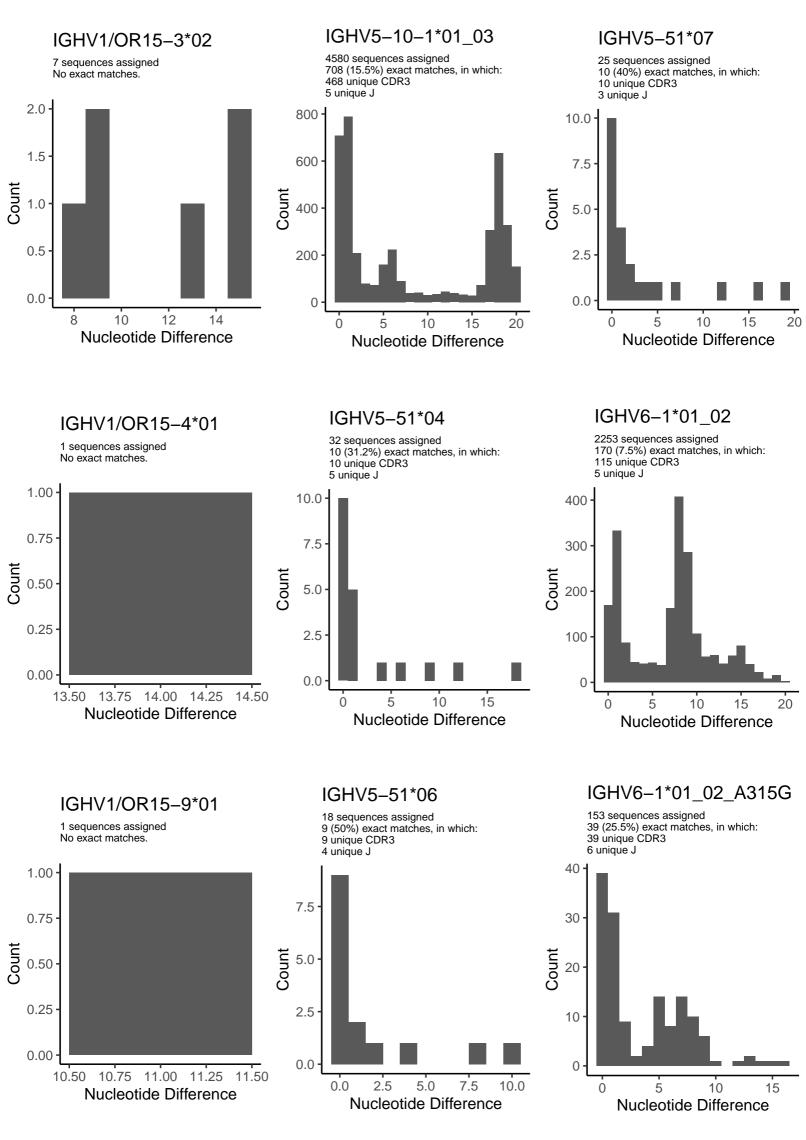








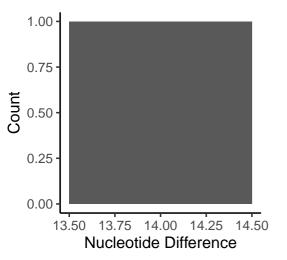




IGHV7-81*01 IGHV3/OR16-6*02 2 sequences assigned No exact matches. 4 sequences assigned No exact matches. 2.0 1.00 -1.5 0.75 Count 0.50 1.0 0.25 0.5 0.00 0.0 14.50 14.75 15.00 15.25 15.50 7.25 7.50 7.00 6.50 6.75 **Nucleotide Difference Nucleotide Difference**

IGHV3/OR16-13*01

1 sequences assigned No exact matches.



IGHV7-4-1*02

2653 sequences assigned 470 (17.7%) exact matches, in which: 360 unique CDR3 6 unique J

