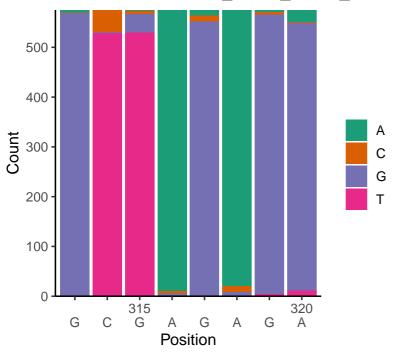
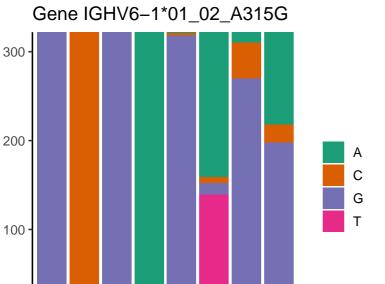
Gene IGHV3-72*01_G73A_C75G_G104C_G117A_G118A_T165C_C167T_G170T_C174





320 A

G

Α

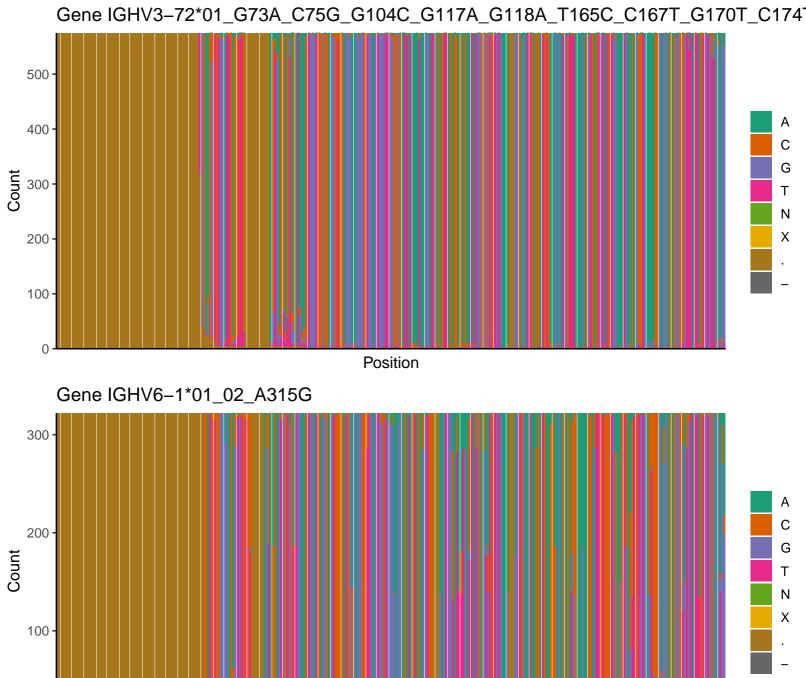
315 G

A G Position

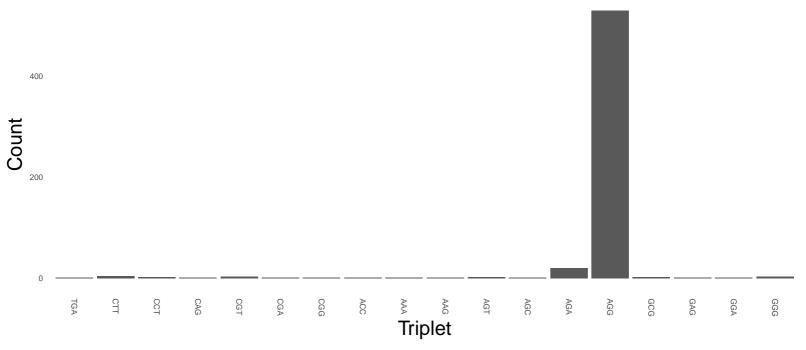
G

С

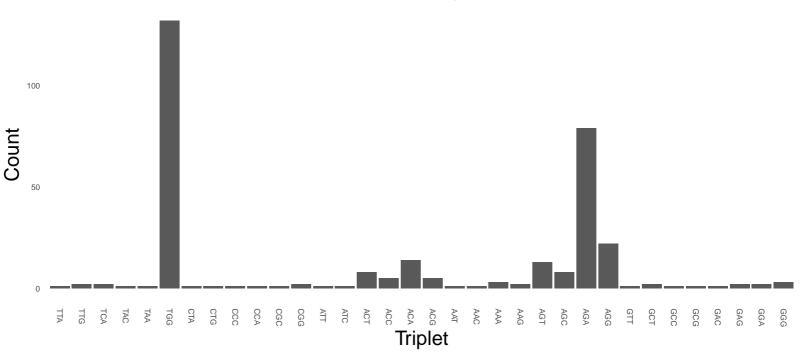
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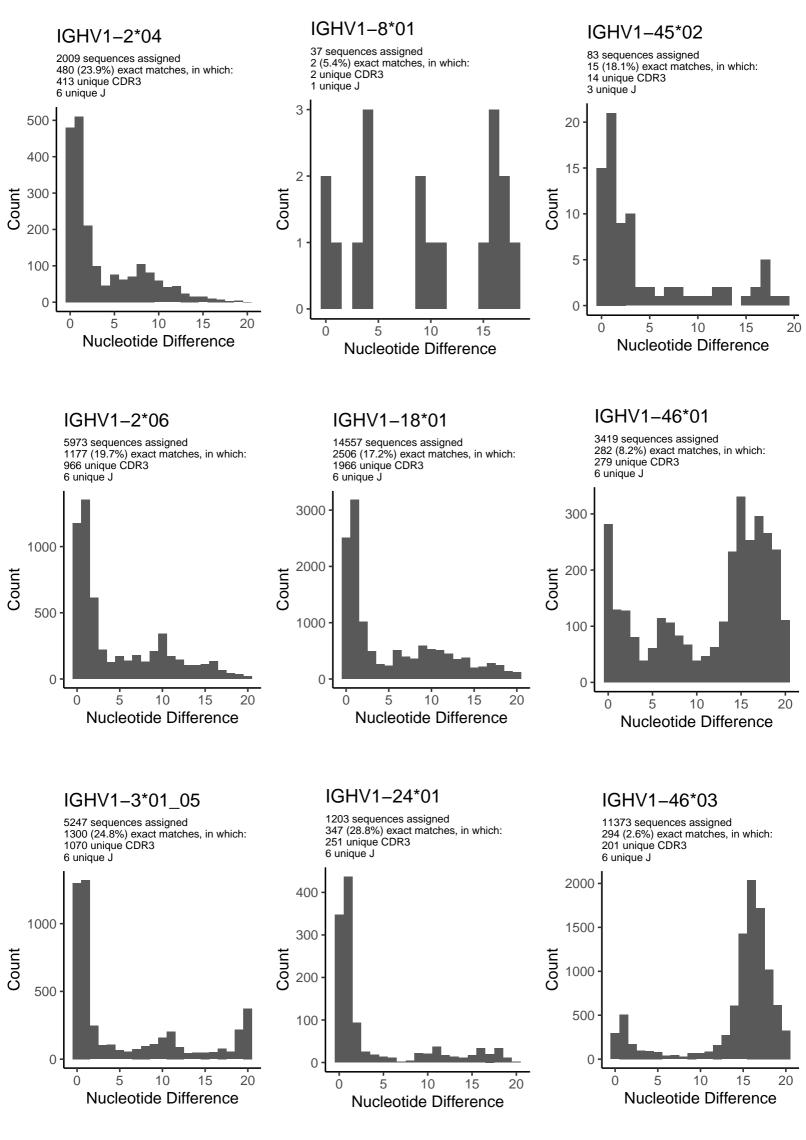


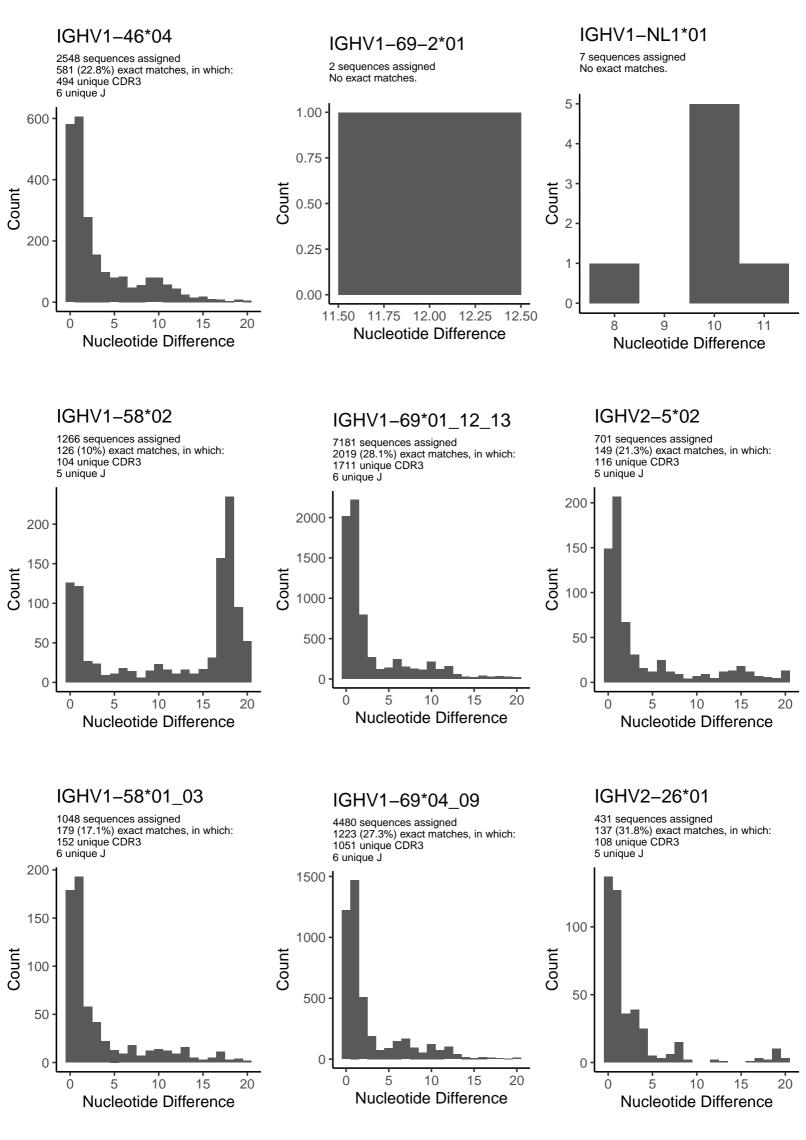
Position

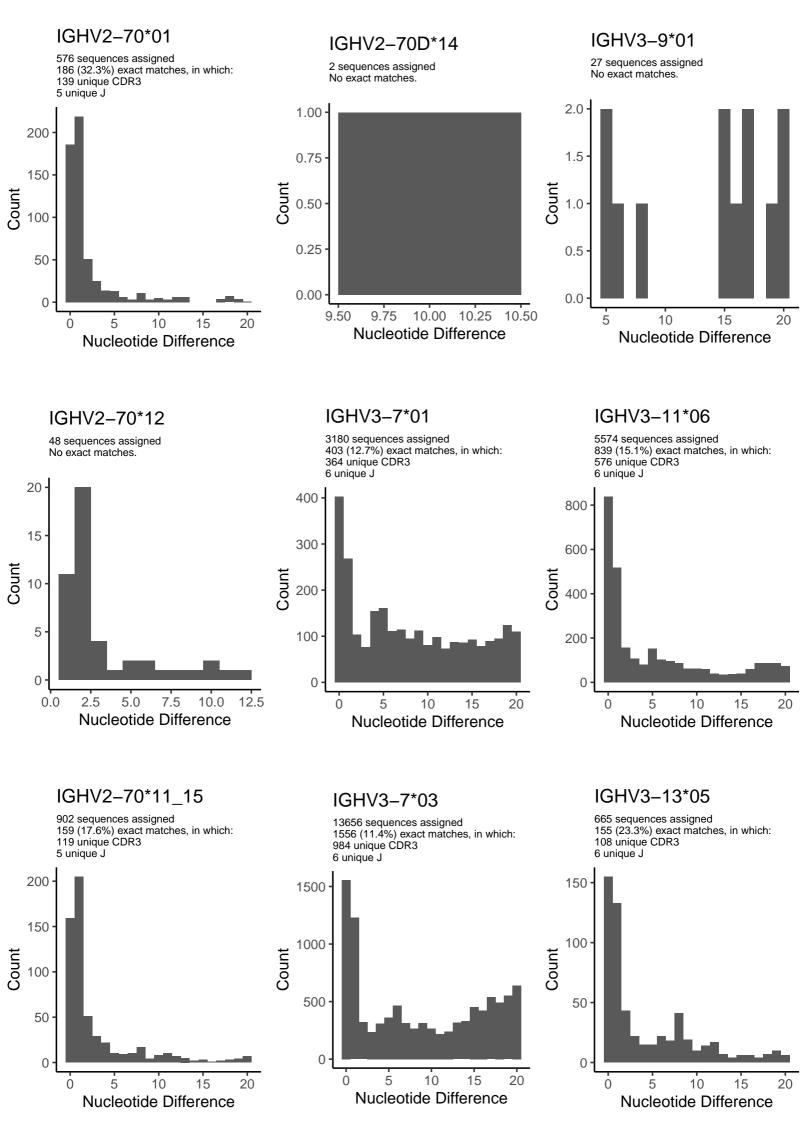


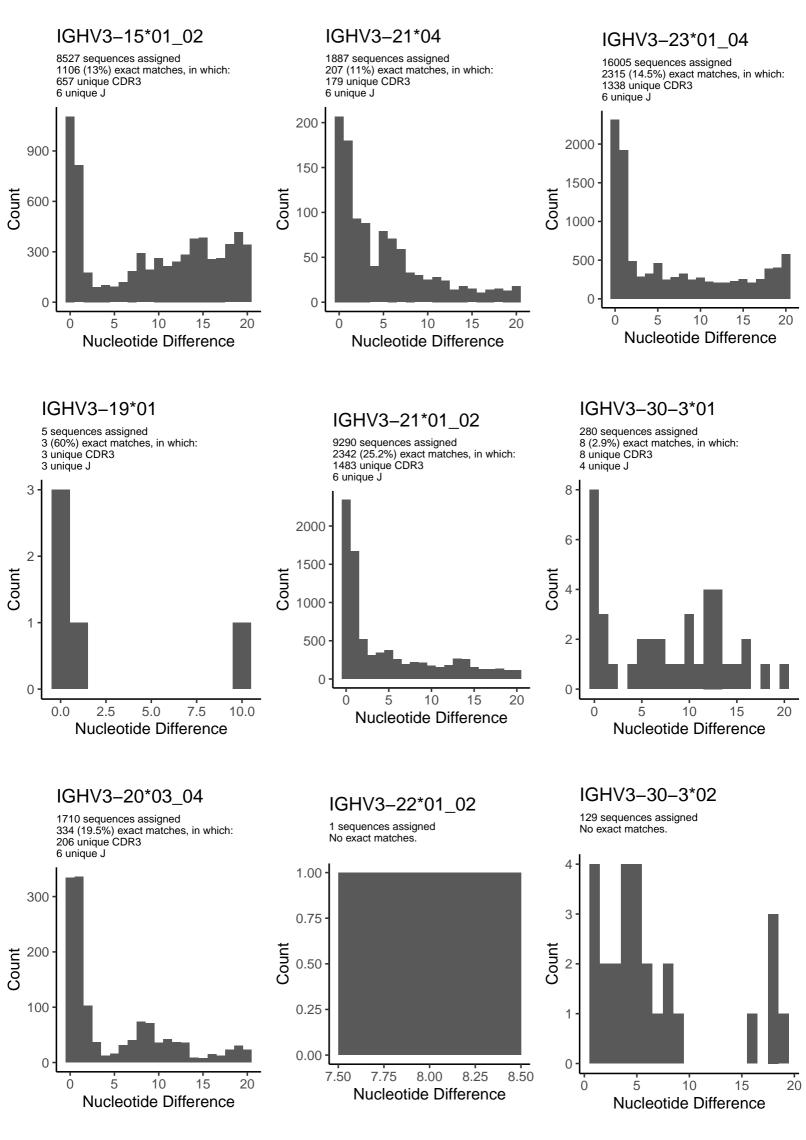
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

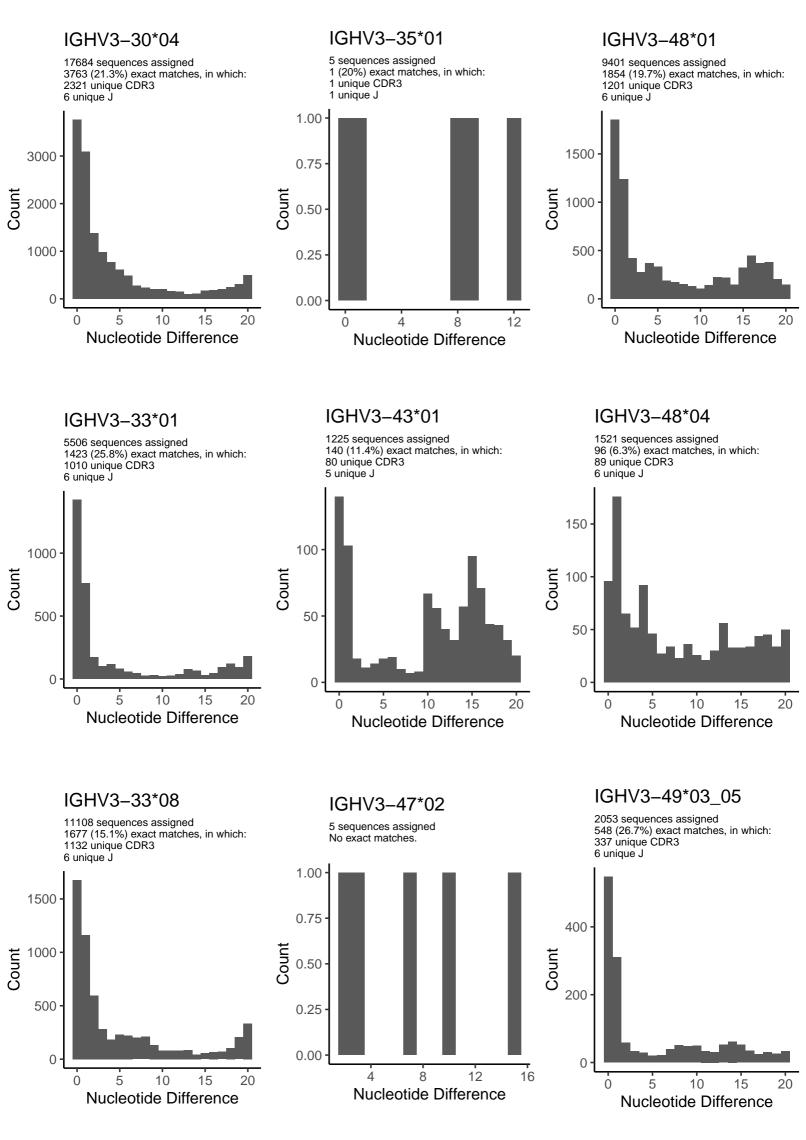


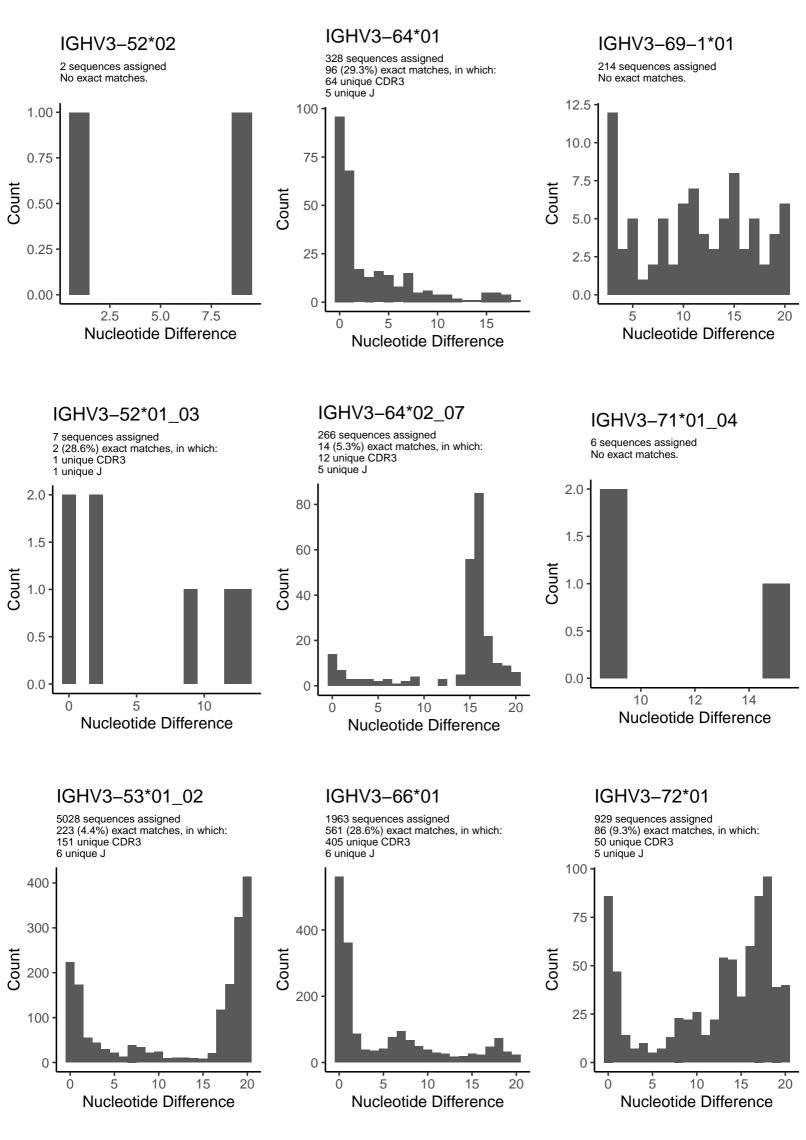


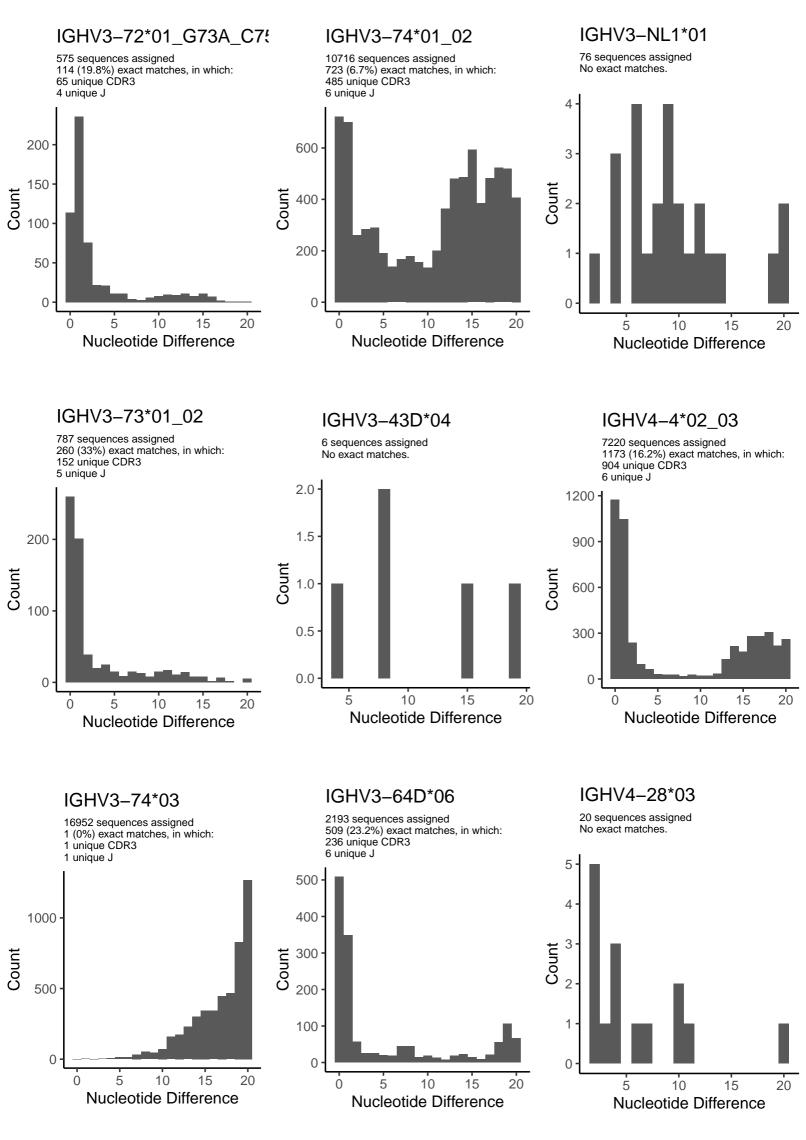


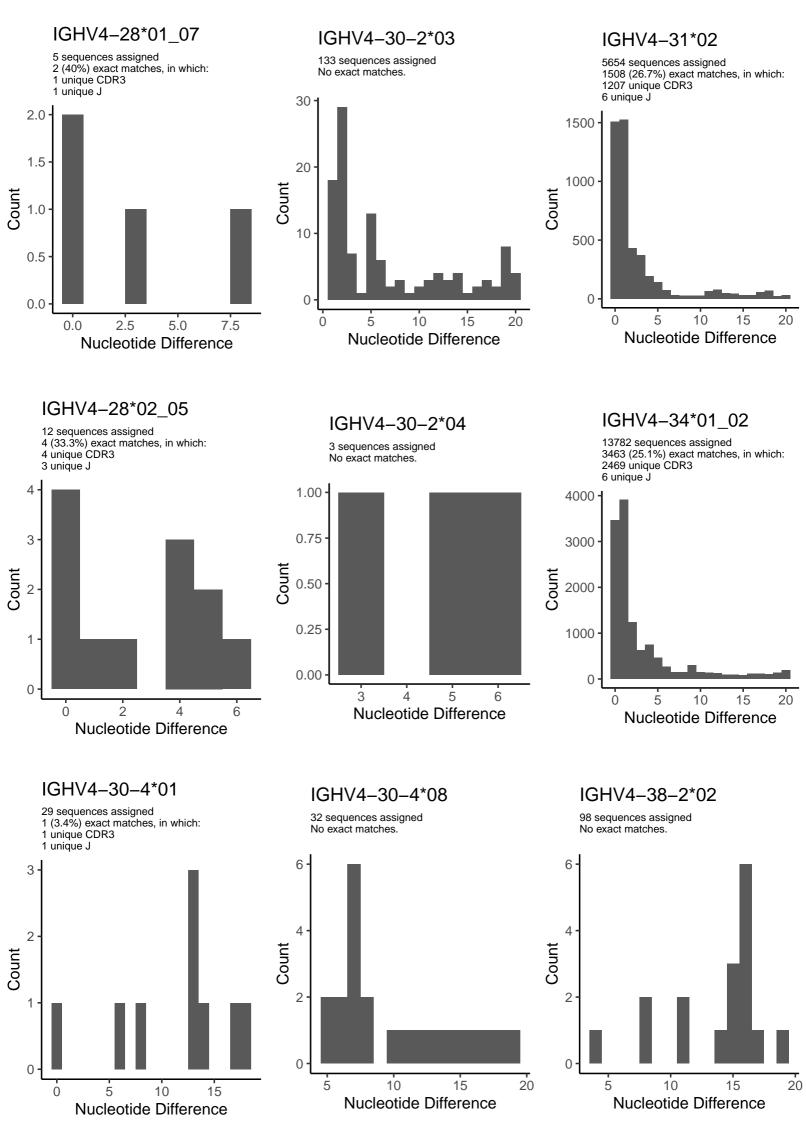




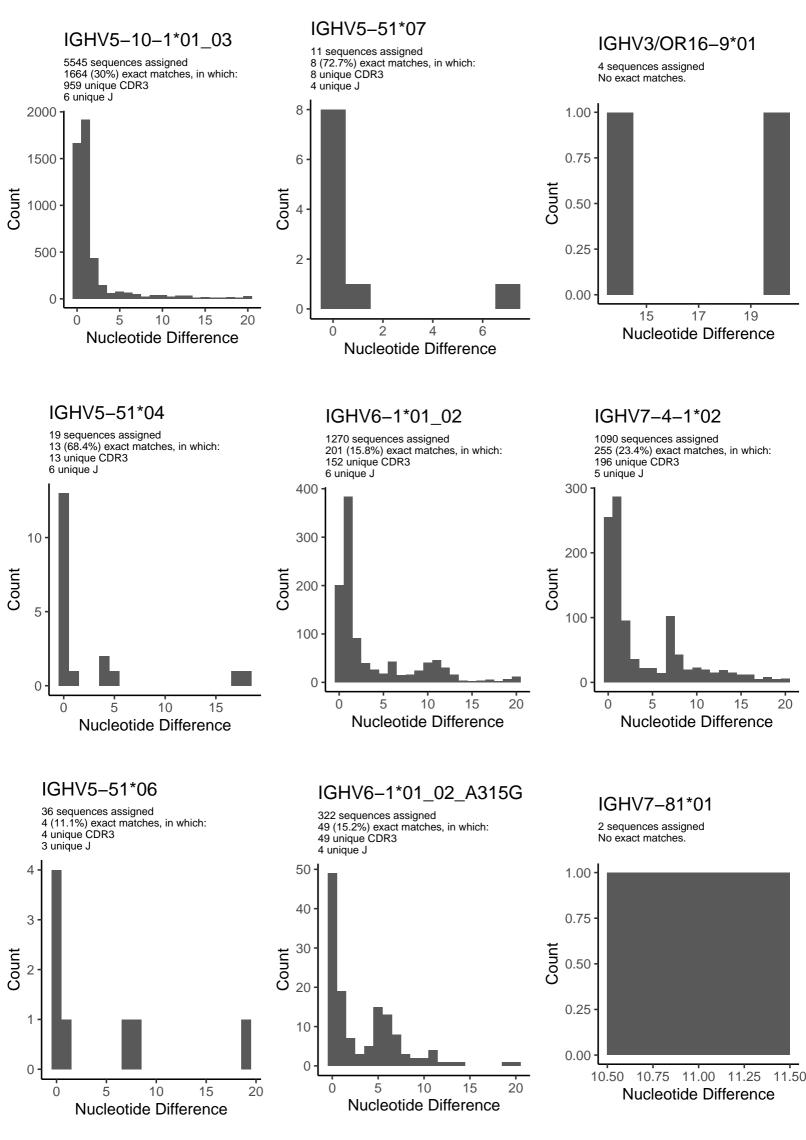








IGHV4-39*07 IGHV4-61*01 IGHV1/OR15-3*02 2533 sequences assigned 520 (20.5%) exact matches, in which: 2997 sequences assigned 6 sequences assigned 5 (0.2%) exact matches, in which: No exact matches. 454 unique CDR3 5 unique CDR3 3 unique J 6 unique J 2.0 500 1.5 400 400 Count 300 1.0 200 200 0.5 100 0.0 0 0 10 12 14 0 10 15 20 5 10 15 20 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV4-61*08 IGHV4/OR15-8*01 IGHV4-59*08 371 sequences assigned 5250 sequences assigned 853 (16.2%) exact matches, in which: 61 sequences assigned 4 (1.1%) exact matches, in which: No exact matches. 4 unique CDR3 667 unique CDR3 2 unique J 6 unique J 8 750 90 6 Count 500 60 4 250 30 0 0 10 15 20 0 5 10 15 20 5 10 15 20 0 0 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV4-59*12 IGHV1/OR15-2*02_03 IGHV4/OR15-8*02 6720 sequences assigned 15 sequences assigned 230 sequences assigned 179 (2.7%) exact matches, in which: No exact matches. No exact matches. 171 unique CDR3 6 unique J 2.0 1.00 500 400 1.5 0.75 Count 300 1.0 0.50 200 0.25 0.5 100 0.00 0.0 0 13.00 13.25 13.50 12.50 12.75 16 18 20 5 10 15 20 **Nucleotide Difference Nucleotide Difference Nucleotide Difference**



IGHV3-72*01_G73A_C75G_G104C_G117A_G118A_T165C_C167T_G170T_C174T_A177G_C17

