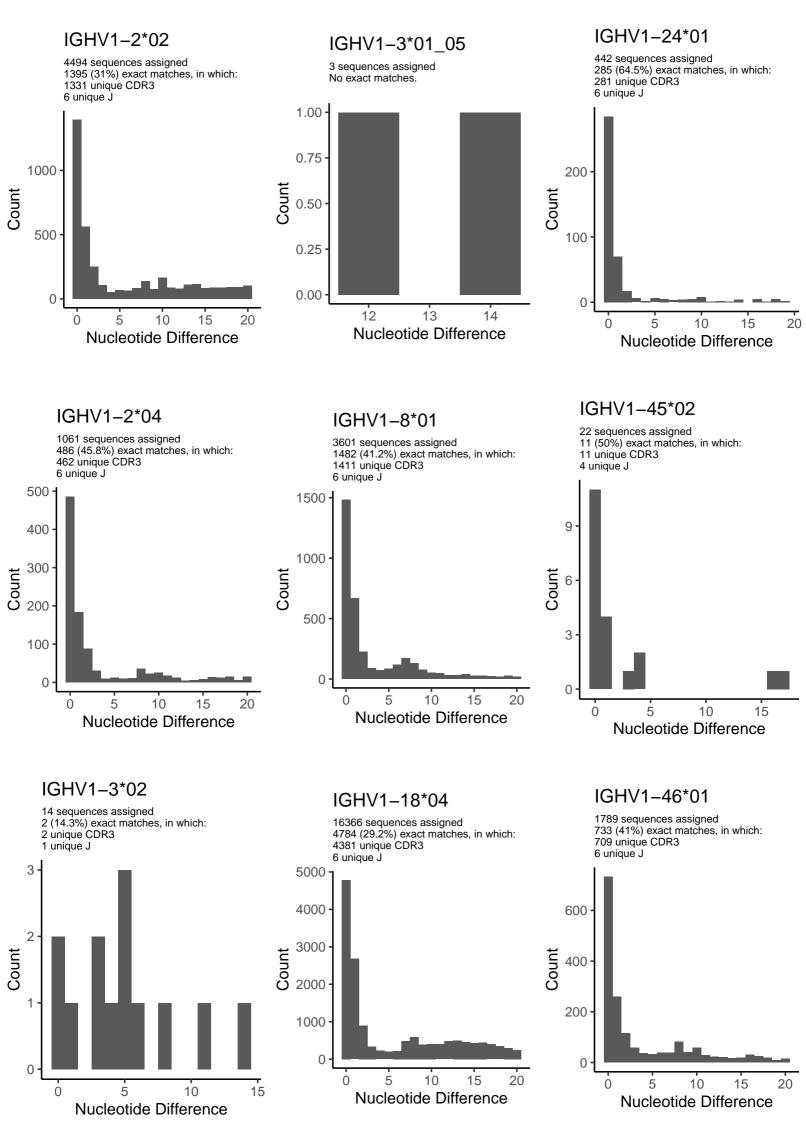
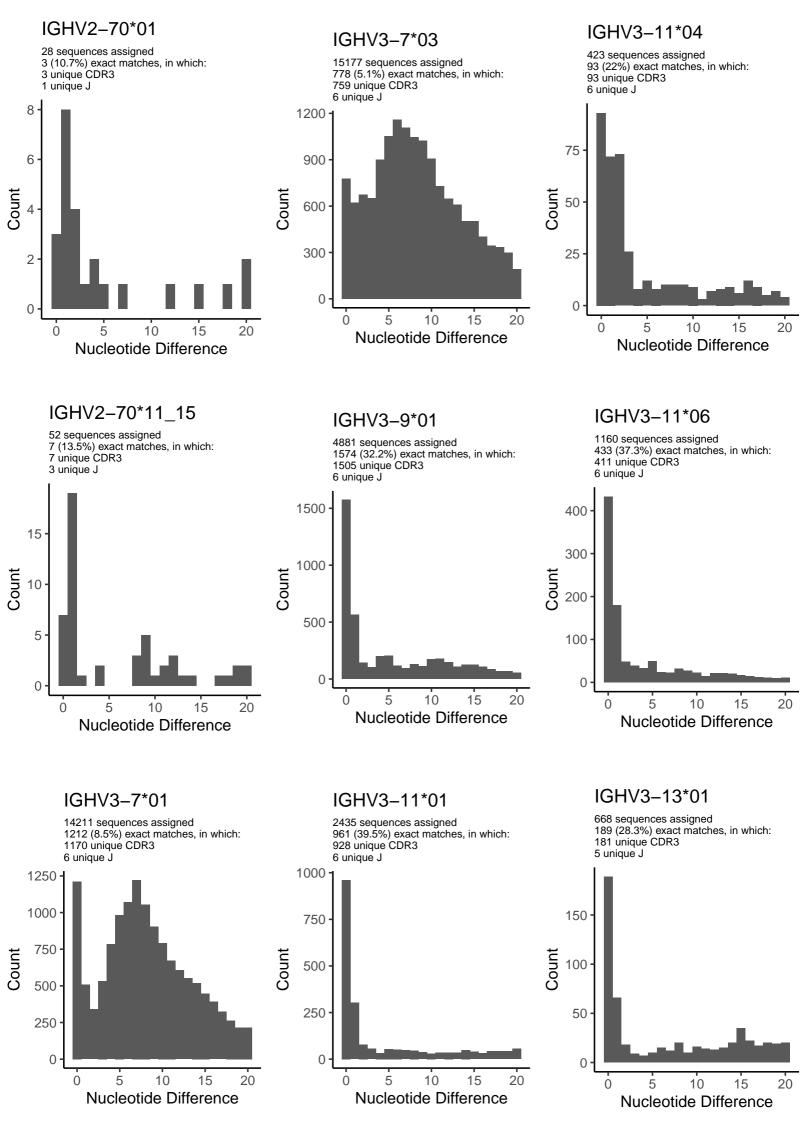


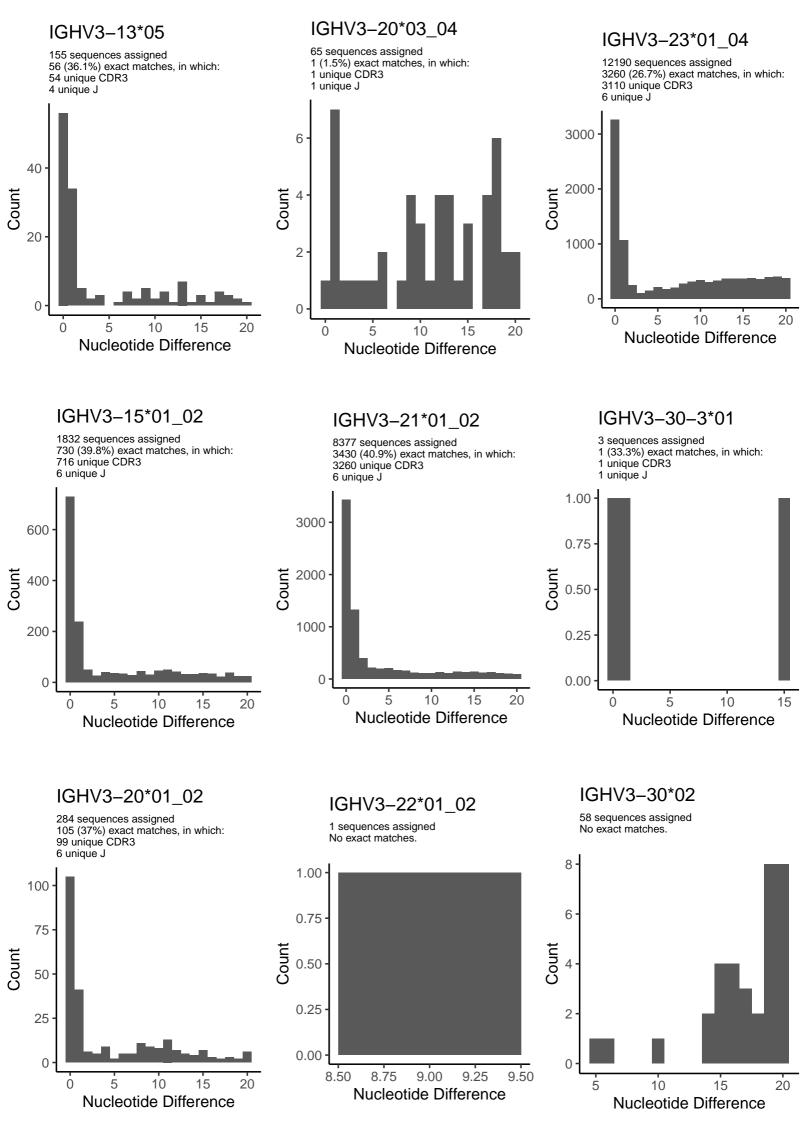
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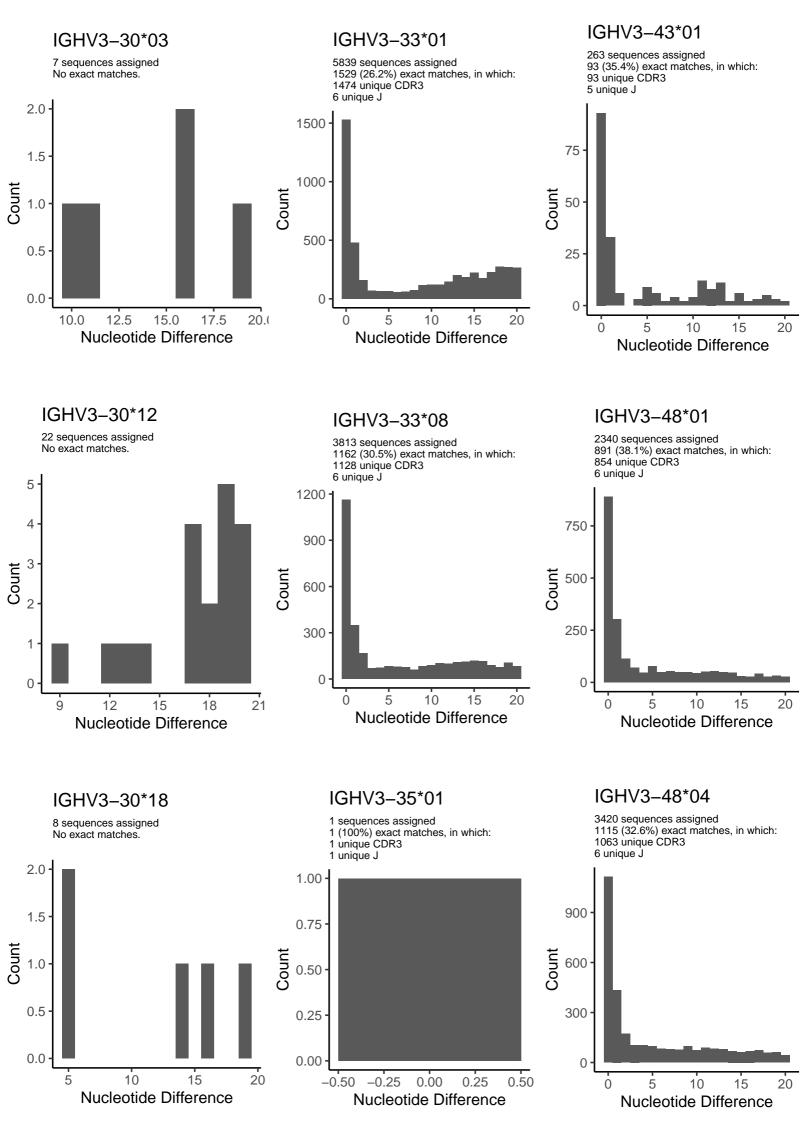
Triplet

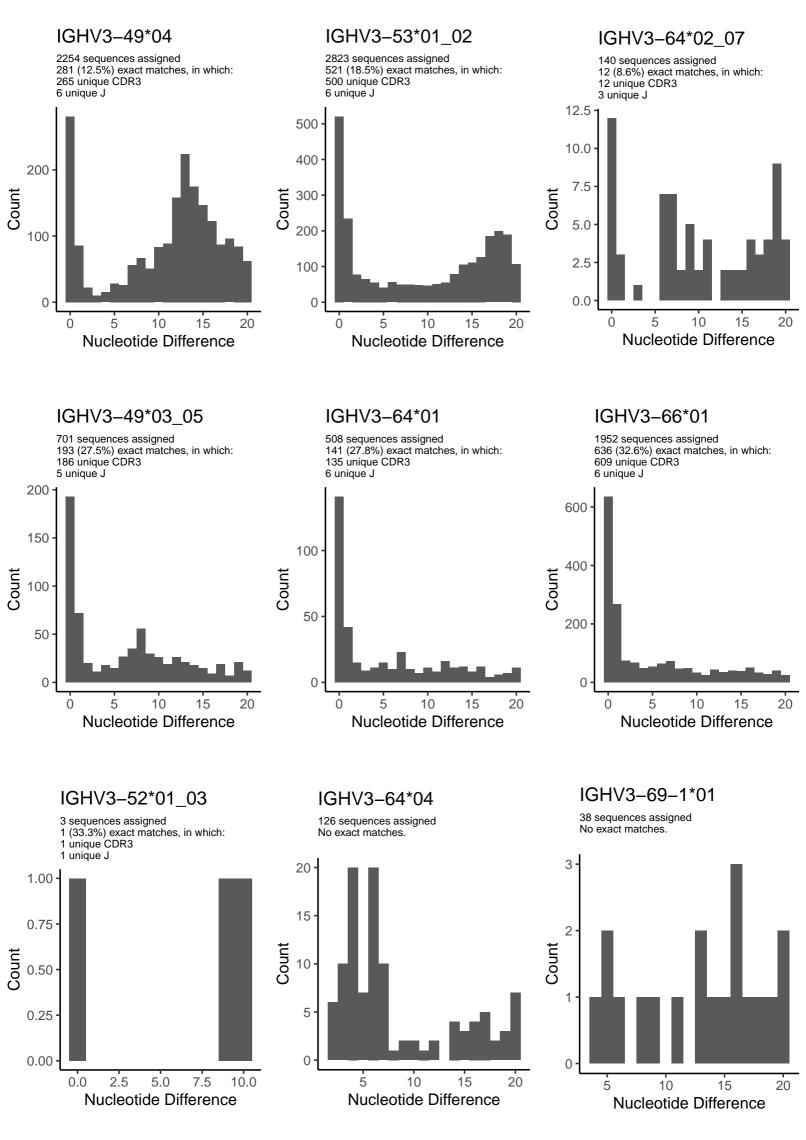


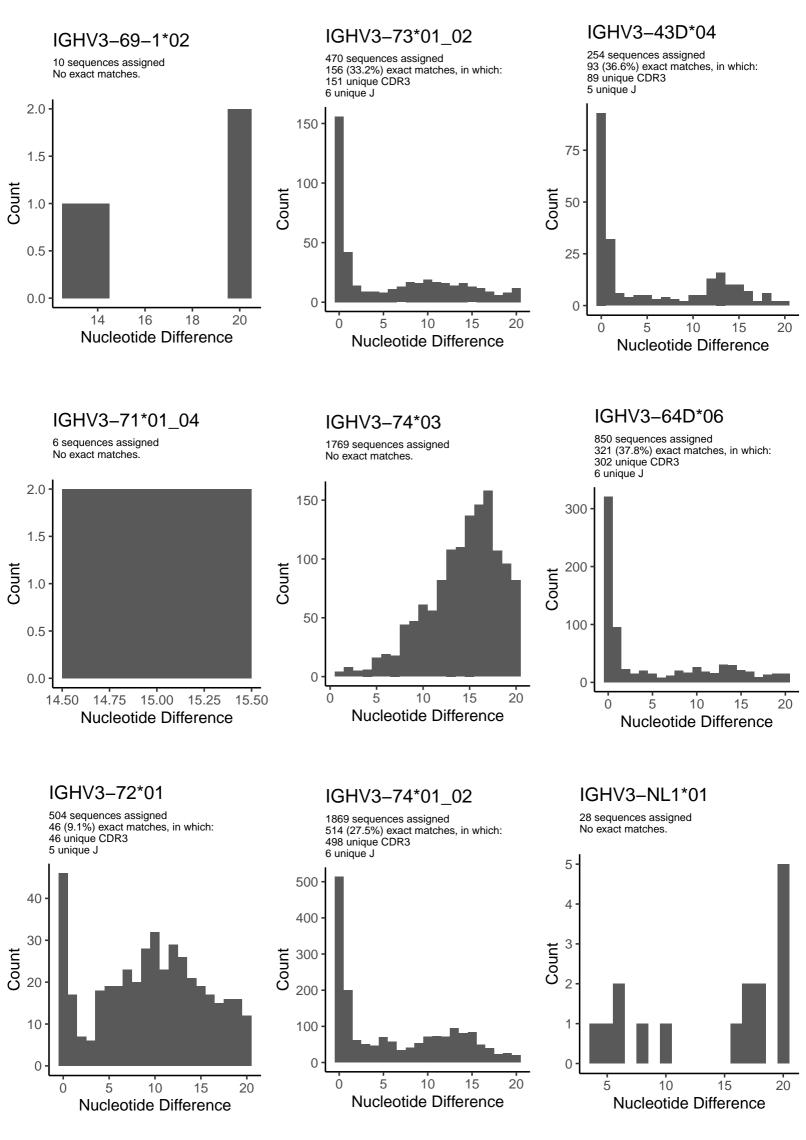
IGHV2-5*02 IGHV1-46*04 IGHV1-69*01_12_13 1825 sequences assigned 50 sequences assigned 10437 sequences assigned 2934 (28.1%) exact matches, in which: 500 (27.4%) exact matches, in which: 3 (6%) exact matches, in which: 3 unique CDR3 480 unique CDR3 2825 unique CDR3 3 unique J 6 unique J 6 unique J 3000 500 -7.5 400 2000 300 Count 5.0 200 1000 2.5 100 0 0 0.0 0 5 10 15 20 5 10 15 20 0 10 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-58*02 IGHV2-26*01 IGHV1-69*06_14 51 sequences assigned 3 sequences assigned 5009 sequences assigned 1718 (34.3%) exact matches, in which: 20 (39.2%) exact matches, in which: 2 (66.7%) exact matches, in which: 19 unique CDR3 2 unique CDR3 1653 unique CDR3 4 unique J 2 unique J 6 unique J 20 2.0 1500 15 1.5 Count 1000 Count 10 1.0 500 0.5 5 0 0.0 0 0 10 20 0.5 1.5 -0.50.0 1.0 10 15 0 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-58*01_03 IGHV2-5*01 IGHV2-26*04 147 sequences assigned 80 sequences assigned sequences assigned 40 (27.2%) exact matches, in which: 11 (13.8%) exact matches, in which: 1 (100%) exact matches, in which: 40 unique CDR3 11 unique CDR3 unique CDR3 5 unique J 6 unique J 1 unique J 1.00 30 30 0.75 20 Count Count 0.50 10 0.25 10 0.00 0 0 -0.250.00 0.25 0.50 -0.500 10 15 20 0 5 10 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference

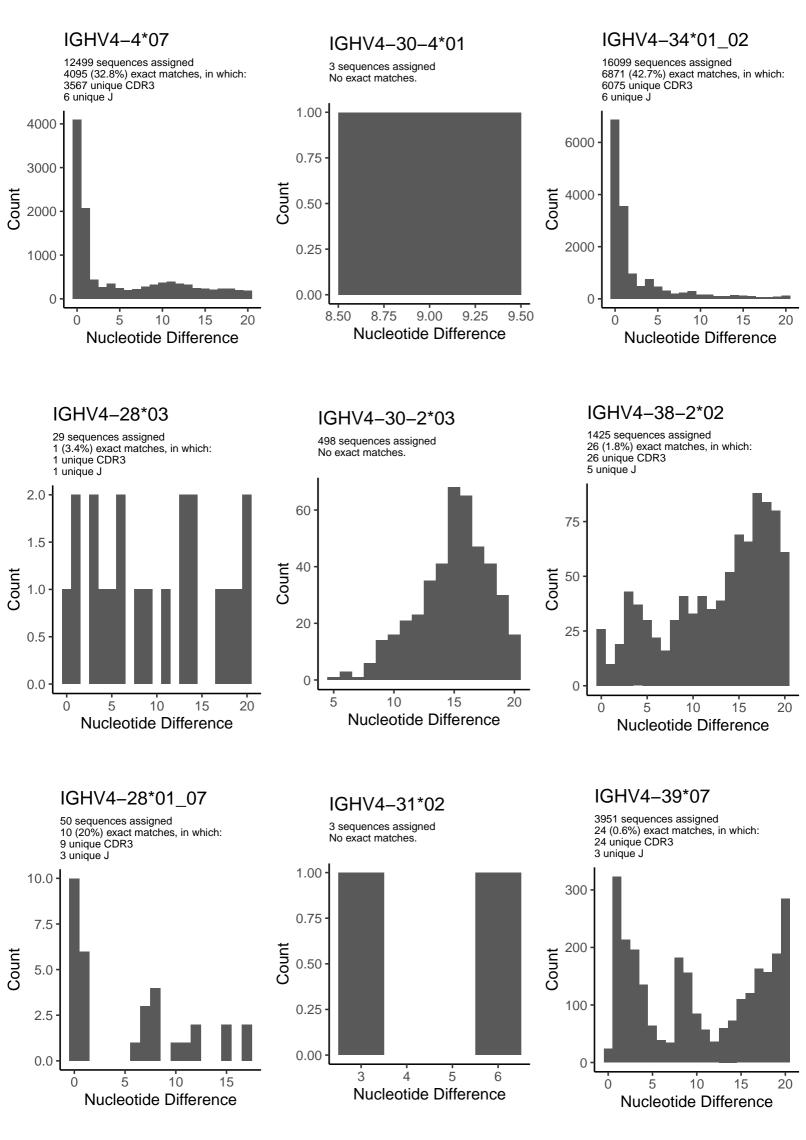


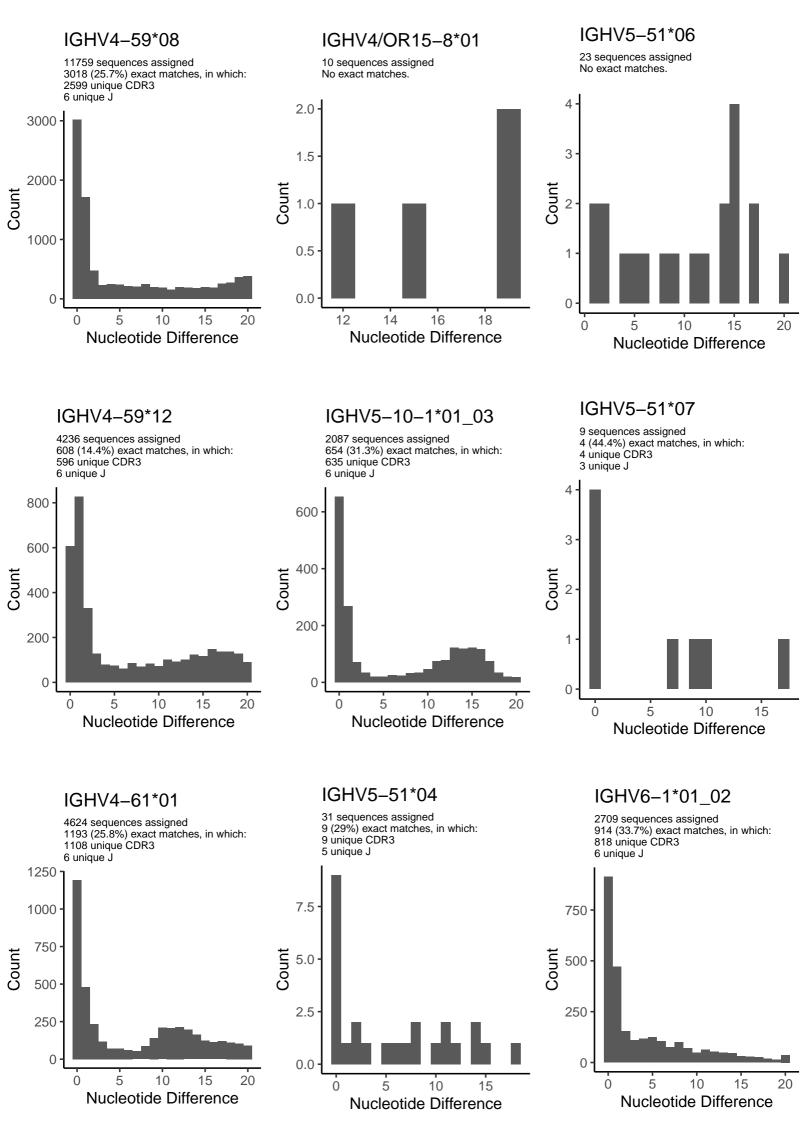






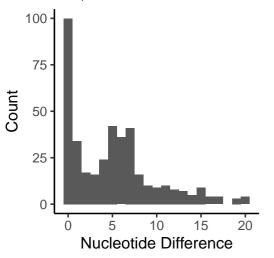






IGHV6-1*01_02_A315G

409 sequences assigned 100 (24.4%) exact matches, in which: 99 unique CDR3 6 unique J



IGHV6-1*01_02_A315G

