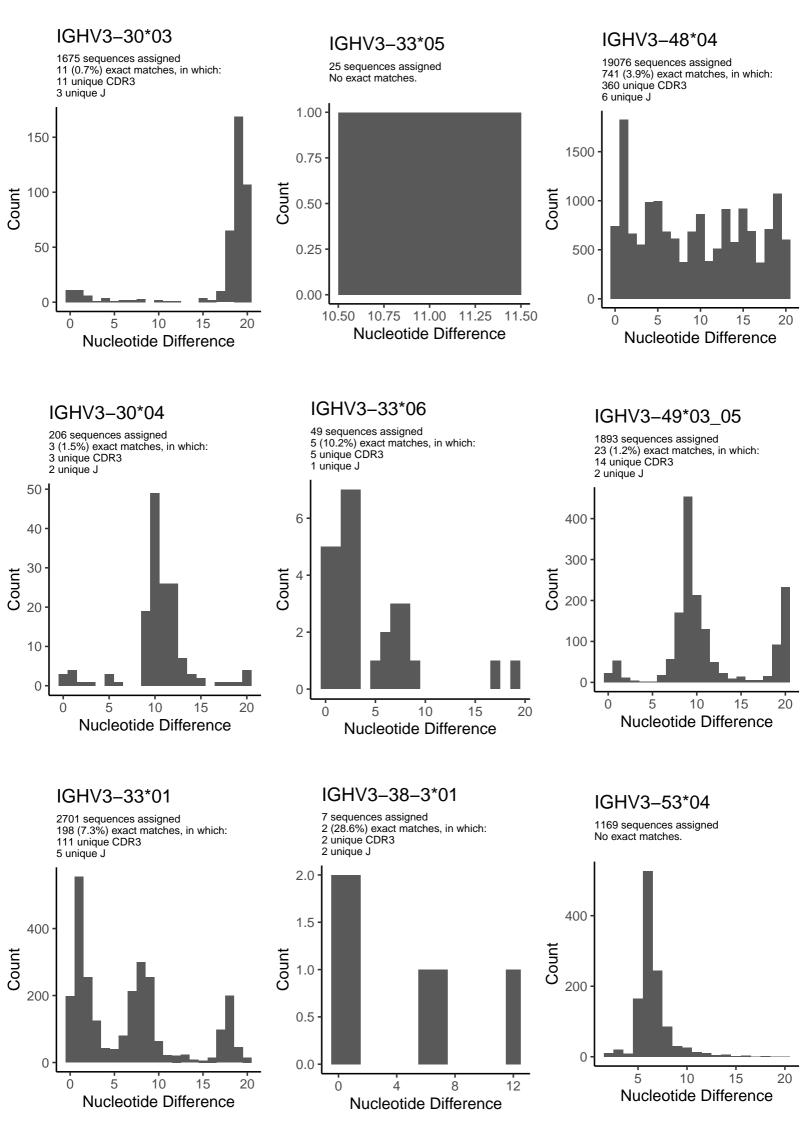
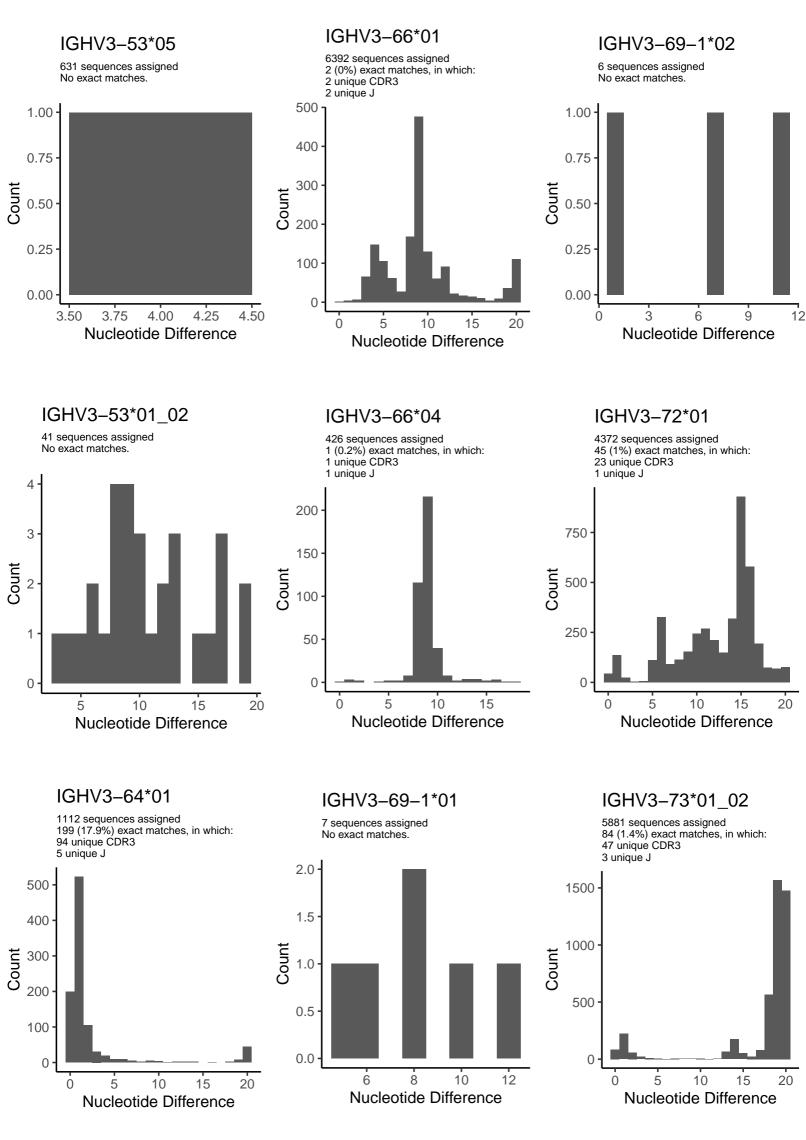
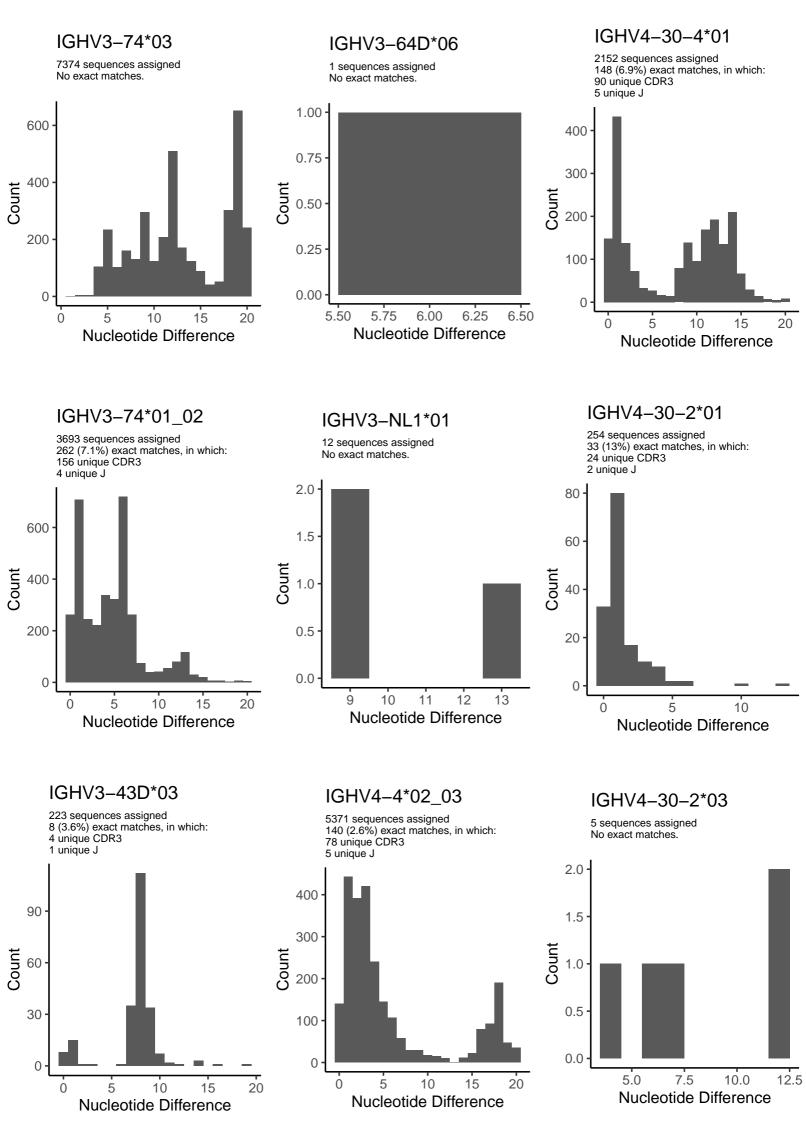
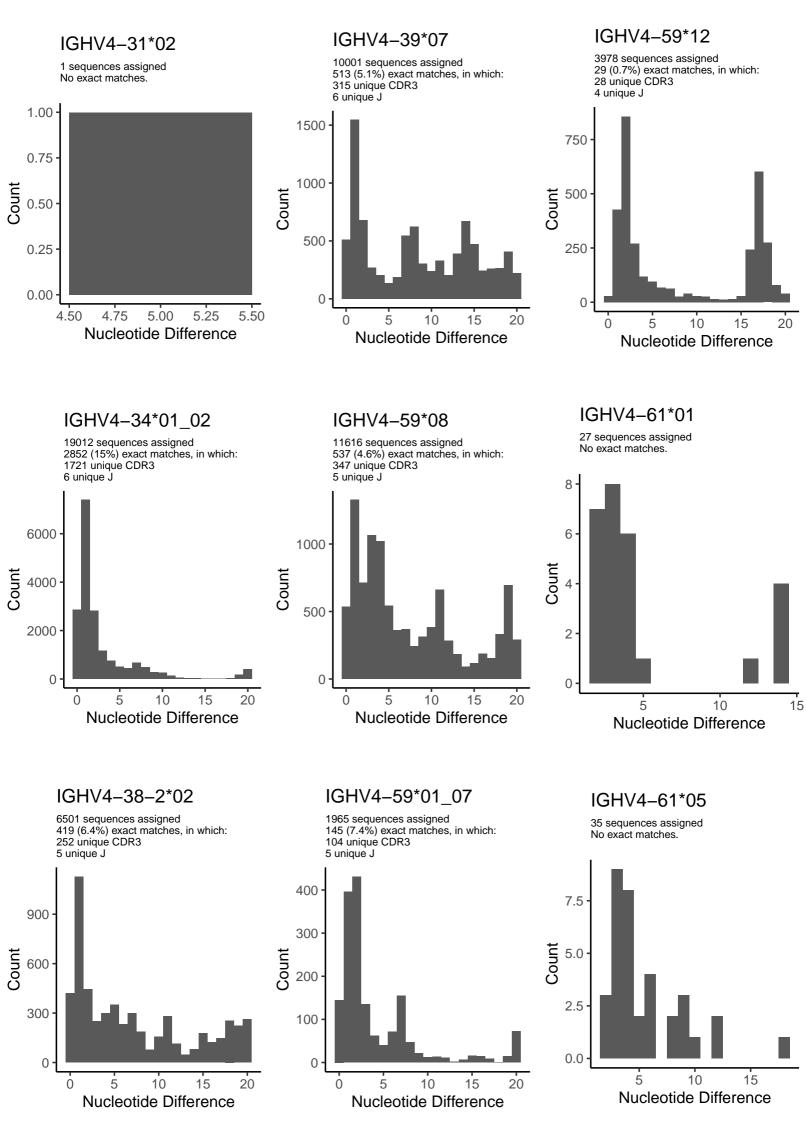


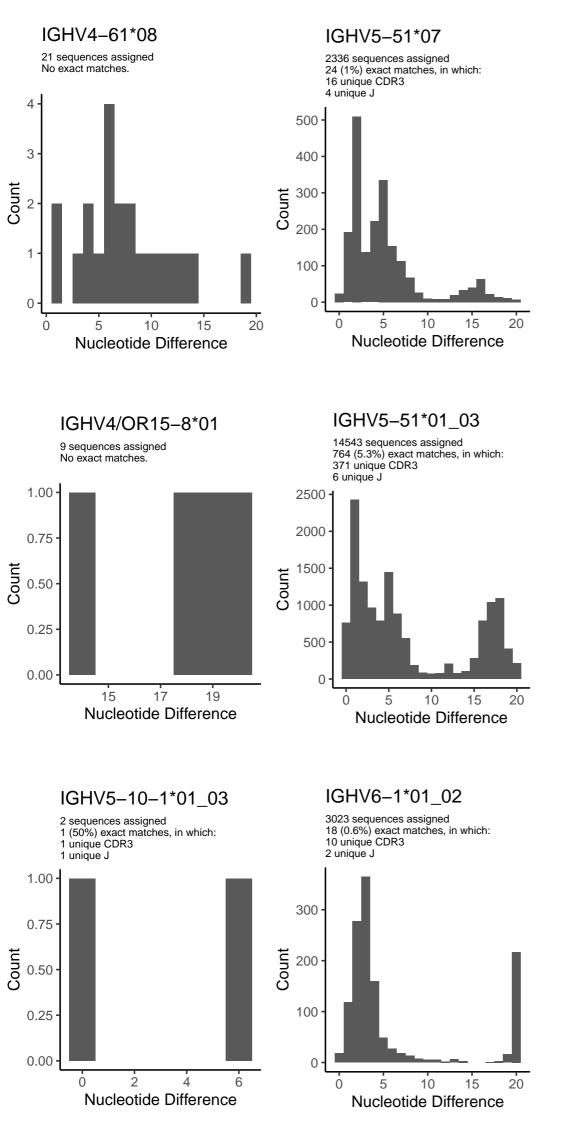
## IGHV3-21\*01\_02 IGHV3-9\*01 IGHV3-13\*01 1110 sequences assigned 123 (11.1%) exact matches, in which: 4056 sequences assigned 1734 sequences assigned 19 (1.1%) exact matches, in which: 11 unique CDR3 342 (8.4%) exact matches, in which: 69 unique CDR3 144 unique CDR3 3 unique J 2 unique J 4 unique J 400 600 750 300 Count 400 Count 500 200 200 250 100 0 0 0 10 15 20 5 10 15 20 10 15 20 0 5 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-11\*01 IGHV3-15\*07 IGHV3-23\*01\_04 2433 sequences assigned 227 (9.3%) exact matches, in which: 2709 sequences assigned 26 (1%) exact matches, in which: 23515 sequences assigned 188 (0.8%) exact matches, in which: 126 unique CDR3 15 unique CDR3 109 unique CDR3 6 unique J 2 unique J 3 unique J 600 2000 400 1500 400 Count Count 1000 200 200 500 0 5 10 15 20 20 15 20 0 5 10 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-21\*04 IGHV3-11\*04 IGHV3-30-3\*01 78 sequences assigned 157 sequences assigned 4416 sequences assigned 5 (6.4%) exact matches, in which: 13 (8.3%) exact matches, in which: 377 (8.5%) exact matches, in which: 4 unique CDR3 11 unique CDR3 195 unique CDR3 3 unique J 4 unique J 5 unique J 1000 15 6 750 Count Count 10 500 5 250 2 0 0 0 10 15 20 0 5 10 15 20 0 5 10 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference













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