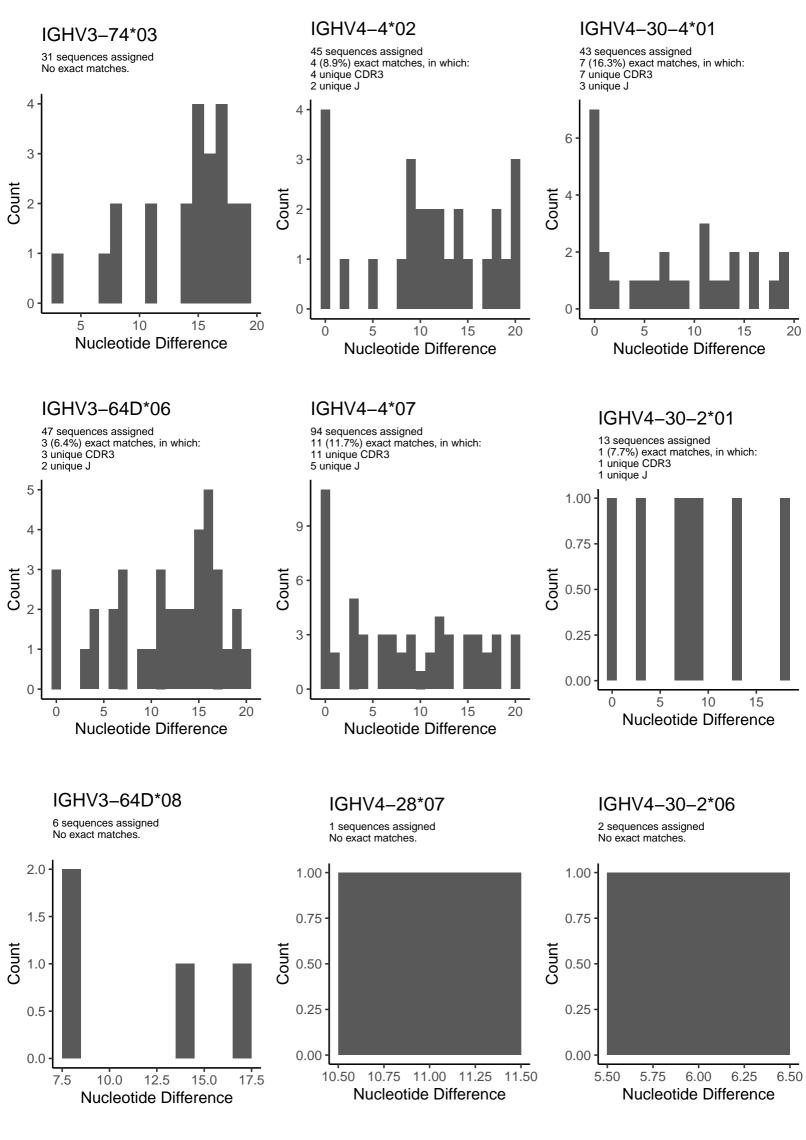
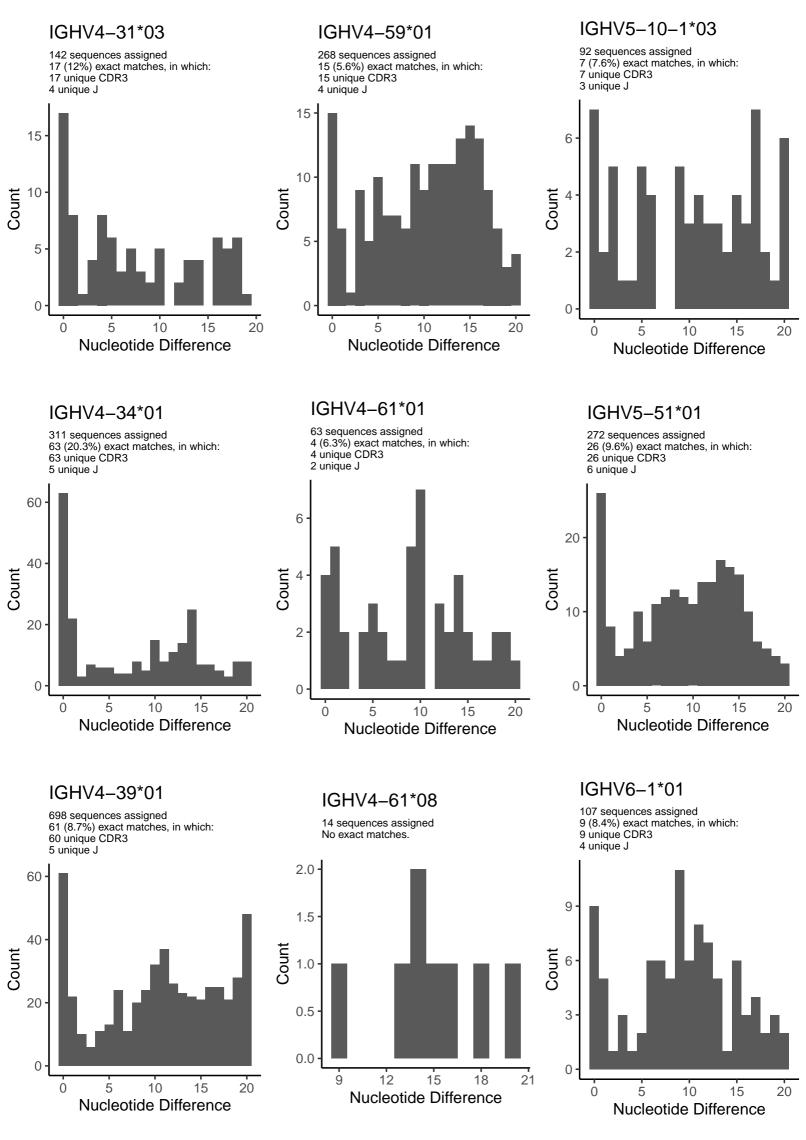


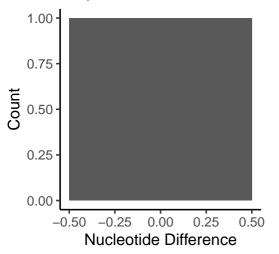
IGHV3-33*01 IGHV3-49*05 IGHV3-72*01 393 sequences assigned 60 (15.3%) exact matches, in which: 79 sequences assigned 125 sequences assigned 12 (15.2%) exact matches, in which: 2 (1.6%) exact matches, in which: 59 unique CDR3 12 unique CDR3 2 ùniqué CDR3 5 unique J 2 unique J 5 unique J 12.5 12.5 10.0 10.0 40 7.5 7.5 Count Count 5.0 5.0 20 2.5 2.5 0.0 0.0 0 15 20 10 15 20 10 5 5 0 0 10 15 5 20 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-43*01 IGHV3-53*01 IGHV3-73*02 29 sequences assigned 5 (17.2%) exact matches, in which: 5 unique CDR3 257 sequences assigned 19 (7.4%) exact matches, in which: 116 sequences assigned 14 (12.1%) exact matches, in which: 14 unique CDR3 19 unique CDR3 2 unique J 6 unique J 4 unique J 5 4 15 10 3 Count Count 10 2 5 5 0 0 0 10 15 20 10 15 20 0 5 0 10 15 20 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-48*02 IGHV3-74*01 IGHV3-64*02 279 sequences assigned 172 sequences assigned 4 sequences assigned 5 (2.9%) exact matches, in which: 30 (10.8%) exact matches, in which: 29 unique CDR3 No exact matches. 5 unique CDR3 3 unique J 2 unique J 30 1.00 0.75 10 Count Count 0.50 5 10 0.25 0.00 0 0 14 15 12 13 16 0 5 10 15 20 0 10 15 20 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference





IGHV7-4-1*01

- 2 sequences assigned 1 (50%) exact matches, in which: 1 unique CDR3 1 unique J





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