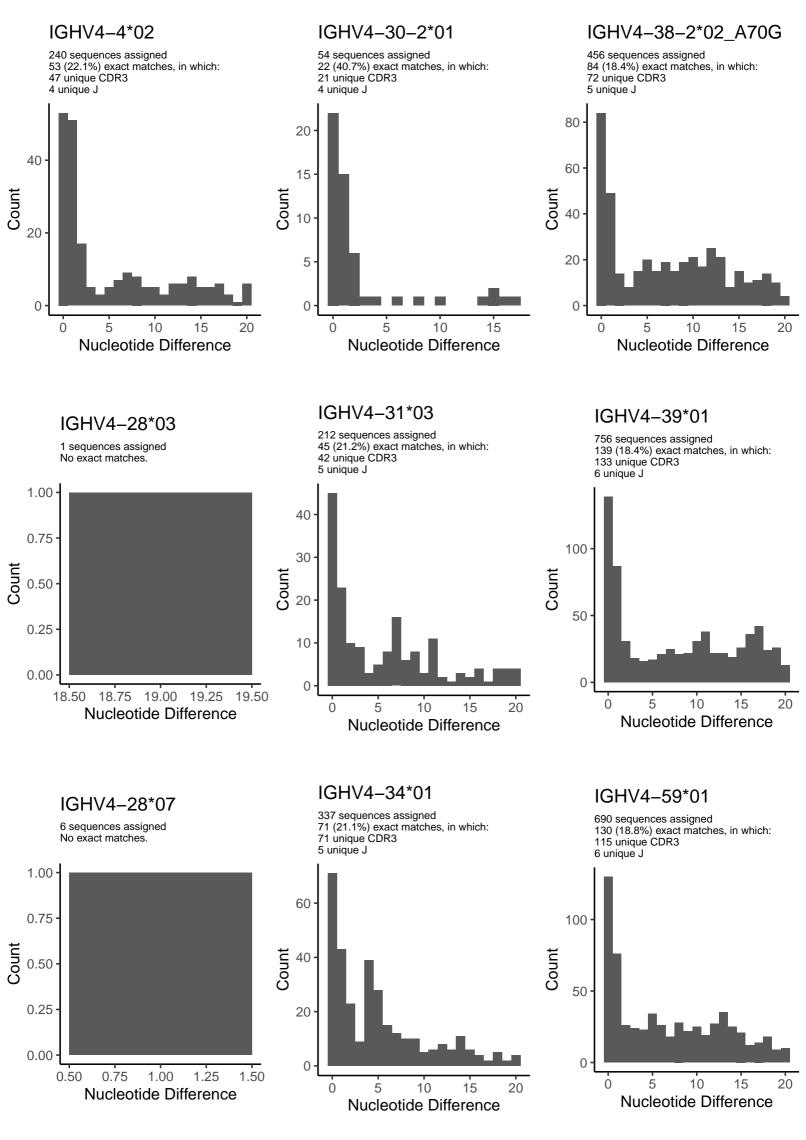
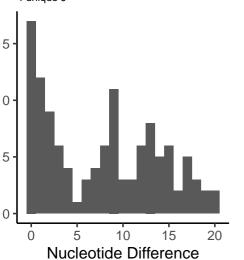


IGHV3-53*02 IGHV3-74*01 IGHV3-72*01 448 sequences assigned 29 (6.5%) exact matches, in which: 286 sequences assigned 92 sequences assigned 31 (10.8%) exact matches, in which: 4 (4.3%) exact matches, in which: 29 unique CDR3 30 unique CDR3 4 ùniqué CDR3 4 unique J 5 unique J 3 unique J 10.0 30 30 7.5 20 Count Count 20 5.0 10 10 2.5 0.0 0 0 15 10 20 0 10 15 20 10 15 0 5 5 **Nucleotide Difference Nucleotide Difference Nucleotide Difference** IGHV3-64*01 IGHV3-73*01 IGHV3-43D*04 36 sequences assigned 1 (2.8%) exact matches, in which: 32 sequences assigned 2 (6.2%) exact matches, in which: 2 unique CDR3 6 sequences assigned 2 (33.3%) exact matches, in which: 1 unique CDR3 2 unique CDR3 2 unique J 1 unique J 2 unique J 5 2.0 4 6 1.5 3 Count Count 1.0 2 0.5 2 0.0 0 0 10 15 5 0 10 15 20 10 15 0 5 0 5 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-73*02 IGHV3-66*02 IGHV3-64D*06 28 sequences assigned 161 sequences assigned 115 sequences assigned 2 (7.1%) exact matches, in which: 27 (16.8%) exact matches, in which: 12 (10.4%) exact matches, in which: 2 unique CDR3 25 unique CDR3 12 unique CDR3 1 unique J 4 unique J 2 unique J 3 12.5 10.0 20 2 7.5 Count Count 5.0 10 2.5 0.0 0 0 20 5 15 10 0 10 15 20 10 0 5 15 20 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference



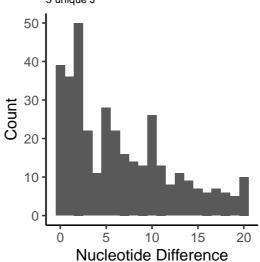
IGHV4–61*01 134 sequences assigned 17 (12.7%) exact matches, in which: 16 unique CDR3 4 unique J

Count



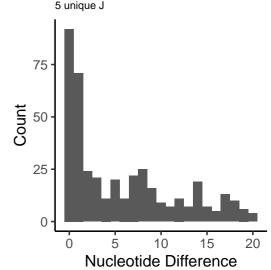
IGHV5-51*01

381 sequences assigned 39 (10.2%) exact matches, in which: 37 unique CDR3 5 unique J



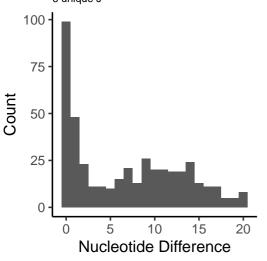
IGHV7-4-1*02

430 sequences assigned 92 (21.4%) exact matches, in which: 80 unique CDR3



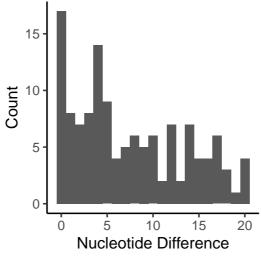
IGHV4-61*02

458 sequences assigned 99 (21.6%) exact matches, in which: 89 unique CDR3 6 unique J



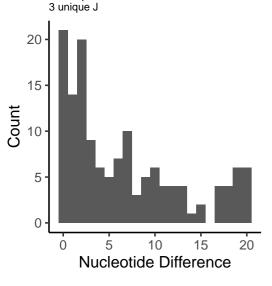
IGHV5-51*03

136 sequences assigned 17 (12.5%) exact matches, in which: 17 unique CDR3 4 unique J



IGHV5-10-1*03

148 sequences assigned 21 (14.2%) exact matches, in which: 21 unique CDR3



IGHV6-1*01

527 sequences assigned 68 (12.9%) exact matches, in which: 57 unique CDR3 6 unique J

