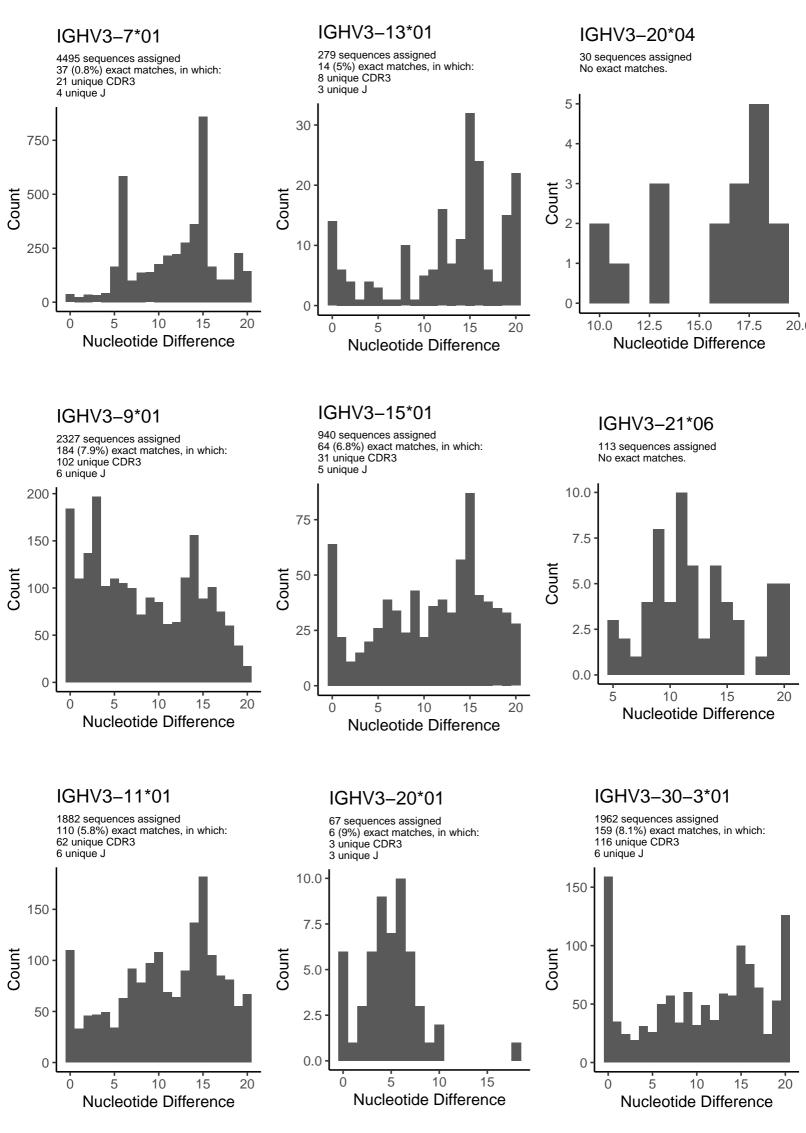
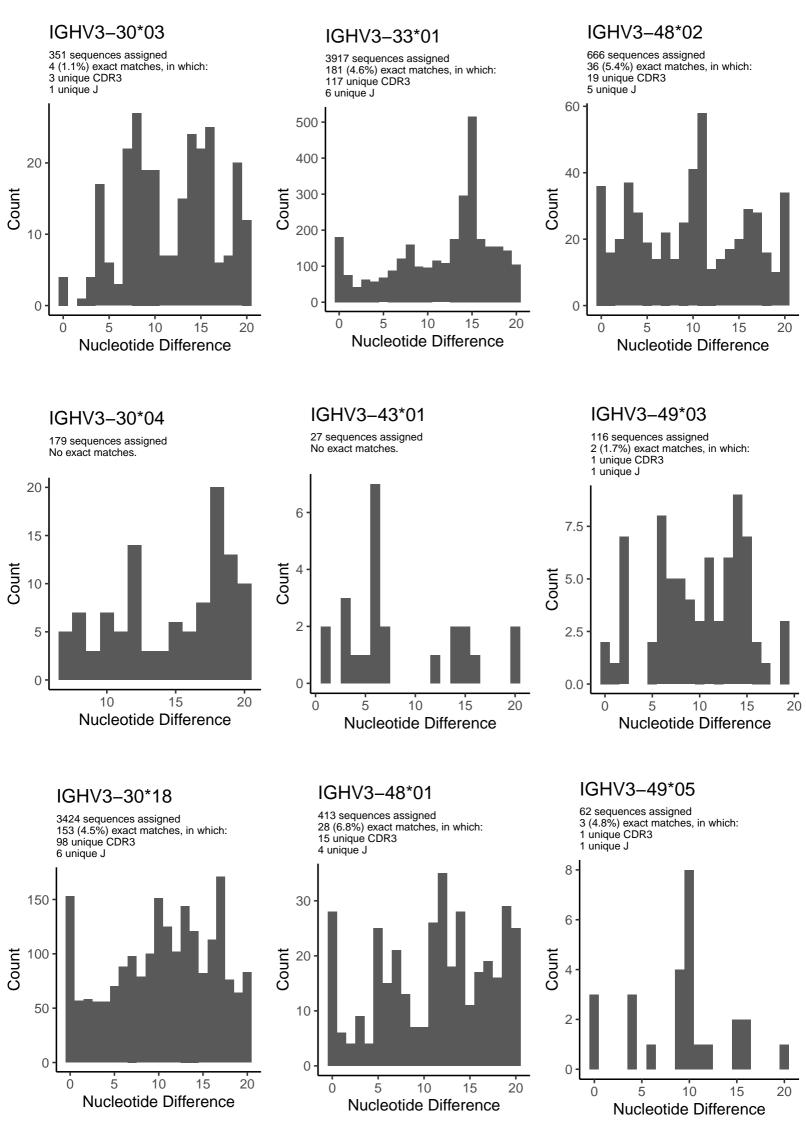
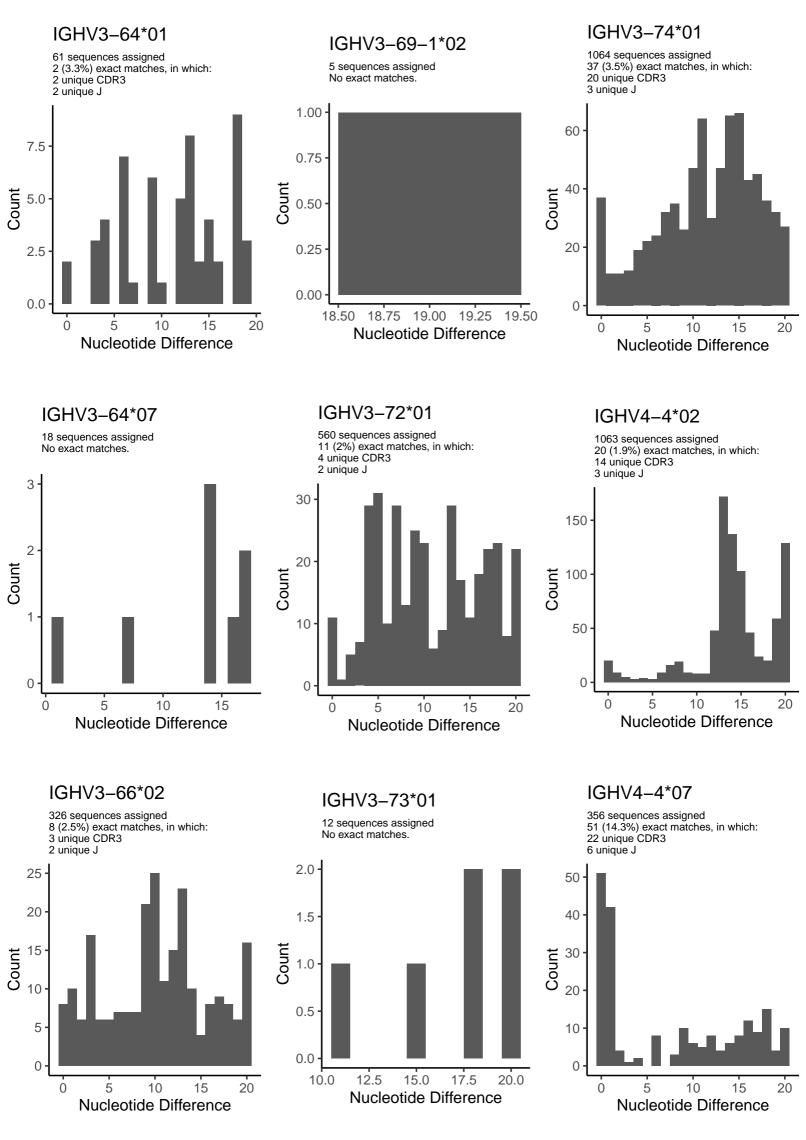
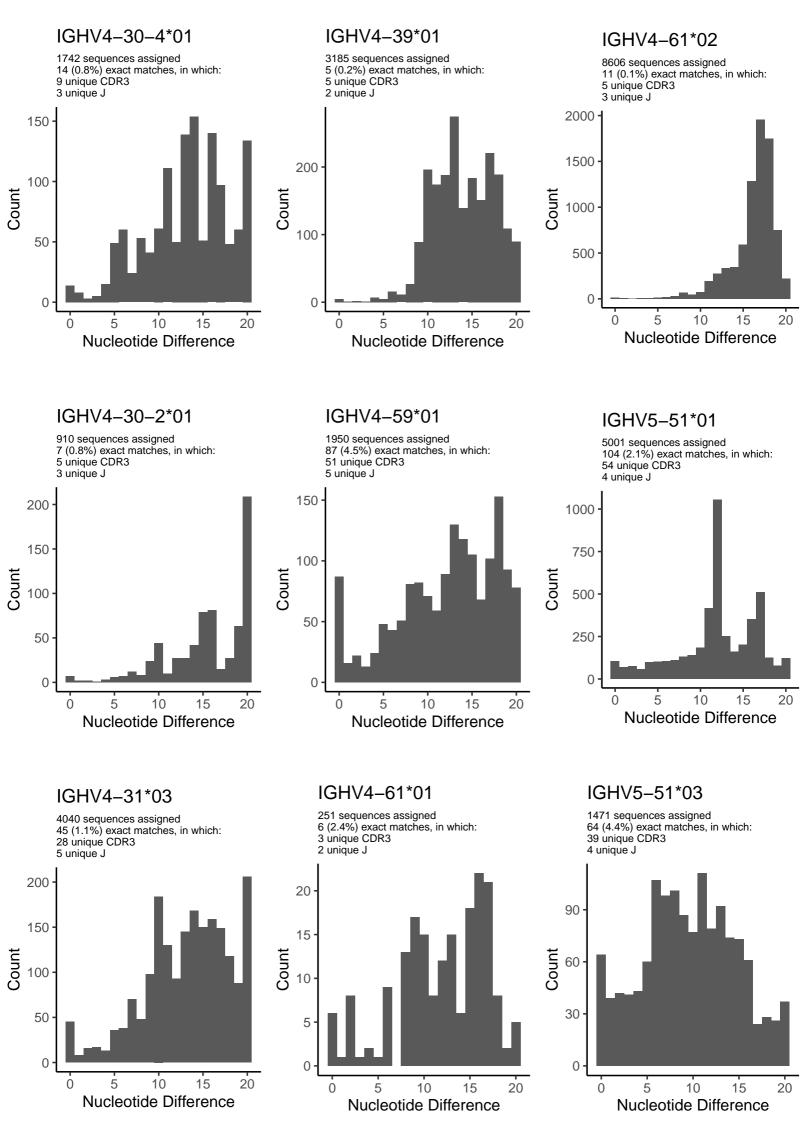
### IGHV1-45\*02 IGHV1-2\*02 IGHV1-8\*01 41 sequences assigned 4 (9.8%) exact matches, in which: 3 unique CDR3 2214 sequences assigned 6812 sequences assigned 328 (14.8%) exact matches, in which: 223 unique CDR3 180 (2.6%) exact matches, in which: 142 unique CDR3 3 unique J 6 unique J 6 unique J 300 3 400 200 Count Count Count 2 200 100 1 0 0 15 5 10 20 0 5 10 15 20 0 10 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-3\*01 IGHV1-18\*01 IGHV1-46\*01 780 sequences assigned 3980 sequences assigned 287 (7.2%) exact matches, in which: 3705 sequences assigned 172 (4.6%) exact matches, in which: 49 (6.3%) exact matches, in which: 33 unique CDR3 229 unique CDR3 131 unique CDR3 4 unique J 6 unique J 5 unique J 300 60 200 200 Count Count Count 100 100 20 0 0 5 10 15 20 10 15 20 0 0 5 0 10 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-46\*03 IGHV1-24\*01 IGHV1-3\*04 834 sequences assigned 1455 sequences assigned 218 sequences assigned 111 (13.3%) exact matches, in which: 217 (14.9%) exact matches, in which: No exact matches. 75 unique CDR3 89 unique CDR3 5 unique J 3 unique J 30 90 400 Count Count 60 200 10 30 0 0 20 10 15 20 10 15 0 0 10 15 20 Nucleotide Difference **Nucleotide Difference Nucleotide Difference**

#### IGHV1-58\*01 IGHV1-69\*17 IGHV2-26\*01 239 sequences assigned 21 (8.8%) exact matches, in which: 20 unique CDR3 2308 sequences assigned 1638 sequences assigned 40 (2.4%) exact matches, in which: 34 unique CDR3 272 (11.8%) exact matches, in which: 171 unique CDR3 4 unique J 6 unique J 5 unique J 25 200 20 150 200 Count Count Count 100 10 100 50 5 0 0 0 5 10 15 20 5 10 15 20 0 0 10 0 5 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV2-70\*01 IGHV1-58\*02 IGHV2-5\*01 405 sequences assigned 30 (7.4%) exact matches, in which: 83 sequences assigned 3639 sequences assigned 42 (1.2%) exact matches, in which: 7 (8.4%) exact matches, in which: 7 uniqué CDR3 22 unique CDR3 30 ùniqué CDR3 3 unique J 3 unique J 5 unique J 7.5 750 40 Count Count Count 5.0 500 20 2.5 250 0.0 0 0 20 10 20 0 5 15 10 15 0 5 15 20 0 5 10 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-69\*02 IGHV2-5\*02 IGHV2-70\*04 237 sequences assigned 776 sequences assigned 692 sequences assigned 53 (6.8%) exact matches, in which: 1 (0.4%) exact matches, in which: 45 (6.5%) exact matches, in which: 31 unique CDR3 1 unique CDR3 22 unique CDR3 4 unique J 1 unique J 3 unique J 60 30 40 40 Count Count 20 20 20 10 0 0 0 0 5 10 15 20 0 5 10 15 20 0 5 10 15 20 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference









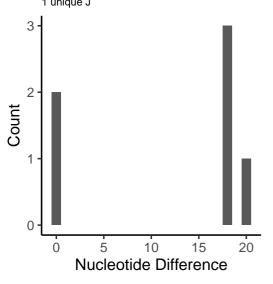
## IGHV6-1\*01

372 sequences assigned 12 (3.2%) exact matches, in which: 6 unique CDR3 3 unique J

30 - 20 - 10 - 15 20 Nucleotide Difference

# IGHV7-4-1\*01

6 sequences assigned 2 (33.3%) exact matches, in which: 2 unique CDR3 1 unique J



### IGHV7-4-1\*02

7 sequences assigned No exact matches.

