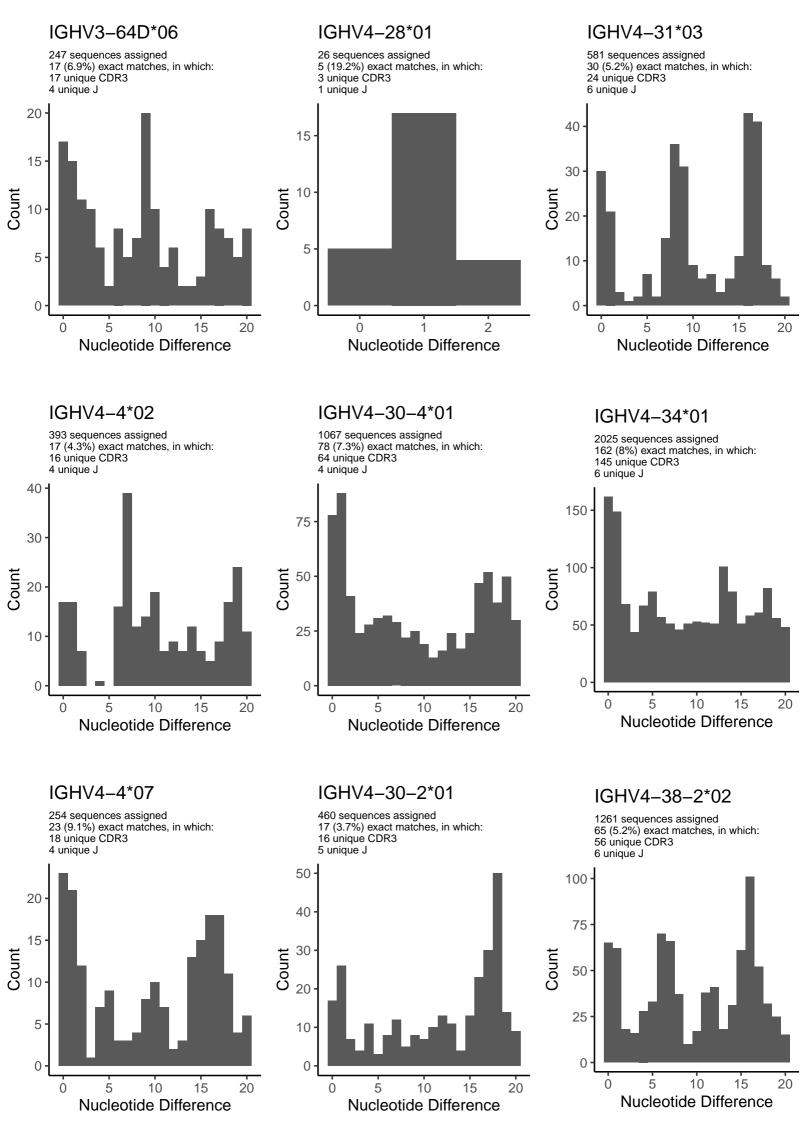
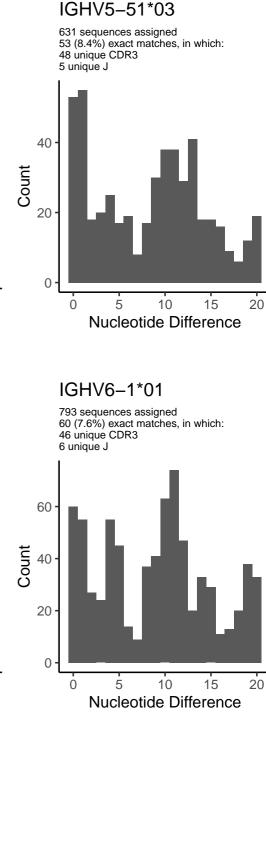
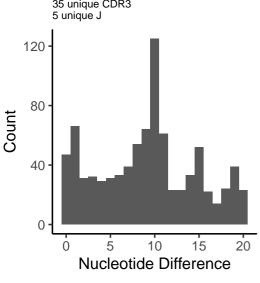


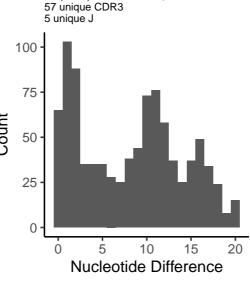
IGHV3-53*02 IGHV3-66*01 IGHV3-73*01 547 sequences assigned 36 (6.6%) exact matches, in which: 375 sequences assigned 26 (6.9%) exact matches, in which: 418 sequences assigned 14 (3.3%) exact matches, in which: 13 unique CDR3 22 unique CDR3 27 unique CDR3 5 unique J 4 unique J 5 unique J 20 75 30 15 Count Count 50 20 10 25 10 5 0 0 0 10 15 0 10 20 10 15 20 0 20 5 15 0 5 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-53*04 IGHV3-66*02 IGHV3-74*01 255 sequences assigned 29 (11.4%) exact matches, in which: 549 sequences assigned 38 (6.9%) exact matches, in which: 33 unique CDR3 1885 sequences assigned 76 (4%) exact matches, in which: 23 unique CDR3 64 unique CDR3 4 unique J 4 unique J 4 unique J 40 40 90 30 30 Count Count Count 60 20 20 30 10 10 0 0 0 10 15 20 10 15 20 10 15 20 0 0 5 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-43D*03 IGHV3-64*01 IGHV3-72*01 30 sequences assigned 6 (20%) exact matches, in which: 445 sequences assigned 139 sequences assigned 2 (0.4%) exact matches, in which: 20 (14.4%) exact matches, in which: 6 unique CDR3 13 unique CDR3 2 unique CDR3 3 unique J 3 unique J 1 unique J 20 30 15 Count Count 20 10 2 10 5 0 0 0 0 10 15 20 0 5 10 15 20 5 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference



IGHV4-39*01 IGHV4-61*02 1812 sequences assigned 95 (5.2%) exact matches, in which: 69 unique CDR3 5159 sequences assigned 282 (5.5%) exact matches, in which: 263 ùniqué CDR3 6 unique J 6 unique J 250 200 40 200 150 Count Count Count 100 100 20 50 0 0 0 15 15 5 10 20 5 10 20 0 0 Nucleotide Difference Nucleotide Difference IGHV4-59*01 IGHV5-10-1*03 1285 sequences assigned 106 (8.2%) exact matches, in which: 634 sequences assigned 48 (7.6%) exact matches, in which: 88 unique CDR3 43 unique CDR3 6 unique J 5 unique J 50 90 40 60 30 Count Count Count 60 40 20 30 20 10 0 0 0 10 10 15 20 15 20 0 0 5 Nucleotide Difference Nucleotide Difference IGHV4-59*08 IGHV5-51*01 1178 sequences assigned 65 (5.5%) exact matches, in which: 1065 sequences assigned 47 (4.4%) exact matches, in which: 35 ùniqué CDR3 57 unique CDR3 5 unique J 5 unique J 100 120 75 80 Count 50









Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found. Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	