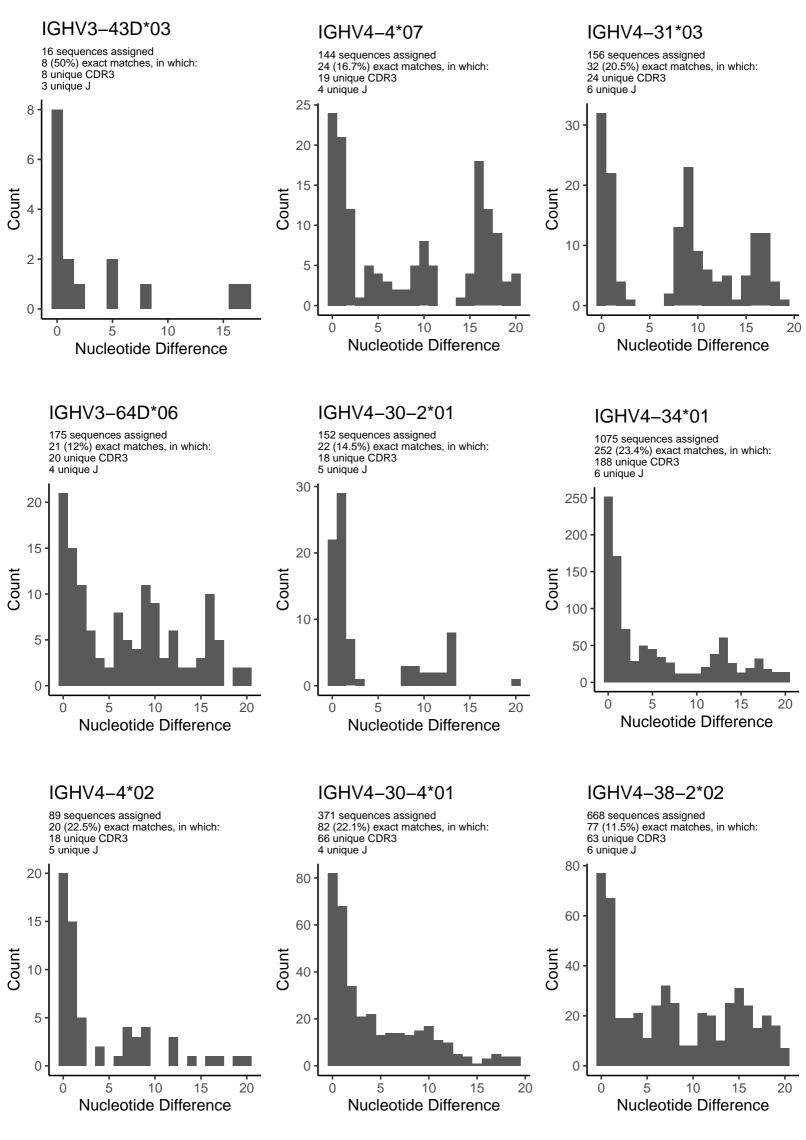
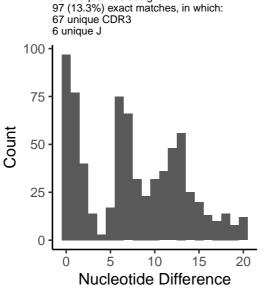


## IGHV3-49\*04 IGHV3-64\*01 IGHV3-72\*01 153 sequences assigned 21 (13.7%) exact matches, in which: 90 sequences assigned 20 (22.2%) exact matches, in which: 302 sequences assigned 2 (0.7%) exact matches, in which: 20 unique CDR3 2 unique CDR3 12 unique CDR3 5 unique J 1 unique J 3 unique J 30 20 20 15 15 Count Count 10 10 10 5 5 0 0 0 10 10 5 15 20 0 15 20 0 15 10 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV3-53\*02 IGHV3-73\*01 IGHV3-66\*01 264 sequences assigned 230 sequences assigned 339 sequences assigned 44 (13%) exact matches, in which: 17 (6.4%) exact matches, in which: 16 unique CDR3 26 (11.3%) exact matches, in which: 22 unique CDR3 33 ùnique CDR3 4 unique J 5 unique J 5 unique J 100 15 20 75 Count Count 50 10 5 25 0 0 0 20 10 0 5 15 10 15 20 10 15 20 0 5 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-53\*04 IGHV3-66\*02 IGHV3-74\*01 93 sequences assigned 308 sequences assigned 1430 sequences assigned 40 (13%) exact matches, in which: 29 (31.2%) exact matches, in which: 79 (5.5%) exact matches, in which: 23 unique CDR3 34 unique CDR3 65 unique CDR3 4 unique J 4 unique J 4 unique J 30 40 75 30 20 Count Count 50 20 10 25 10 0 0 0 0 10 15 20 0 5 10 15 20 0 5 10 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference



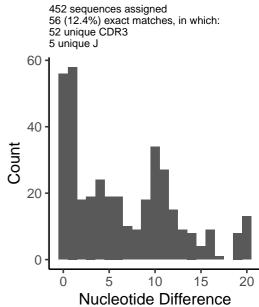
## 2296 sequences assigned 329 (14.3%) exact matches, in which: 300 unique CDR3 6 unique J 300 100 5 10 15 20 Nucleotide Difference

IGHV4-39\*01

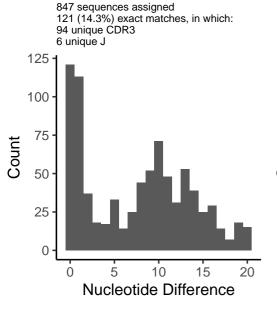


IGHV4-61\*02

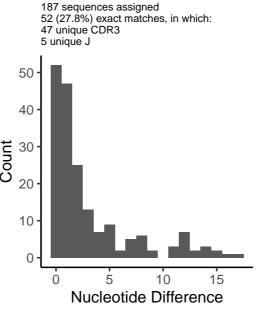
732 sequences assigned



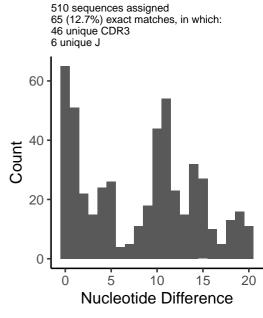
IGHV5-51\*03



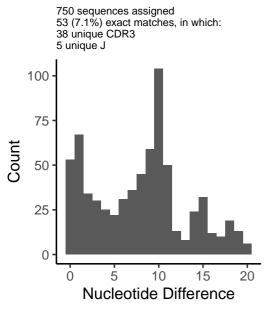
IGHV4-59\*01



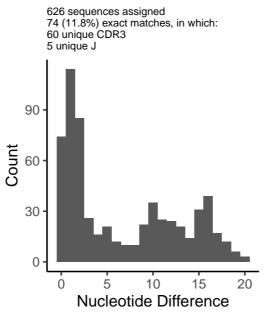
IGHV5-10-1\*03



IGHV6-1\*01



IGHV4-59\*08



IGHV5-51\*01



Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found.