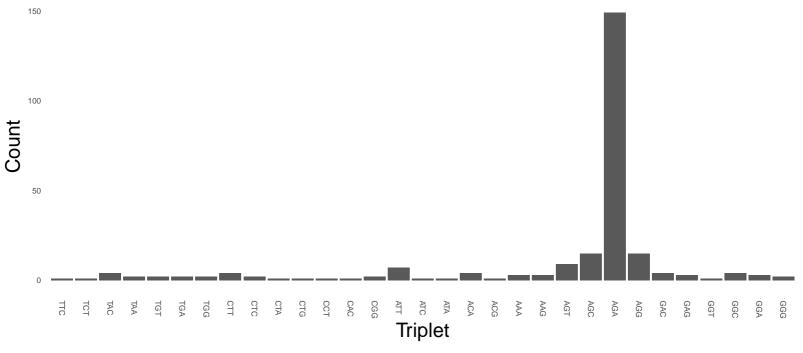
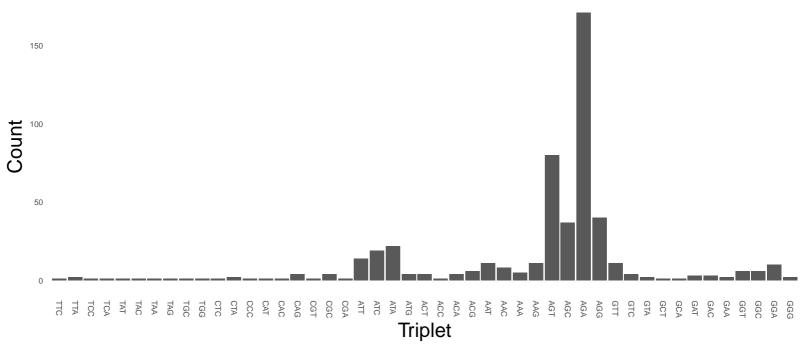
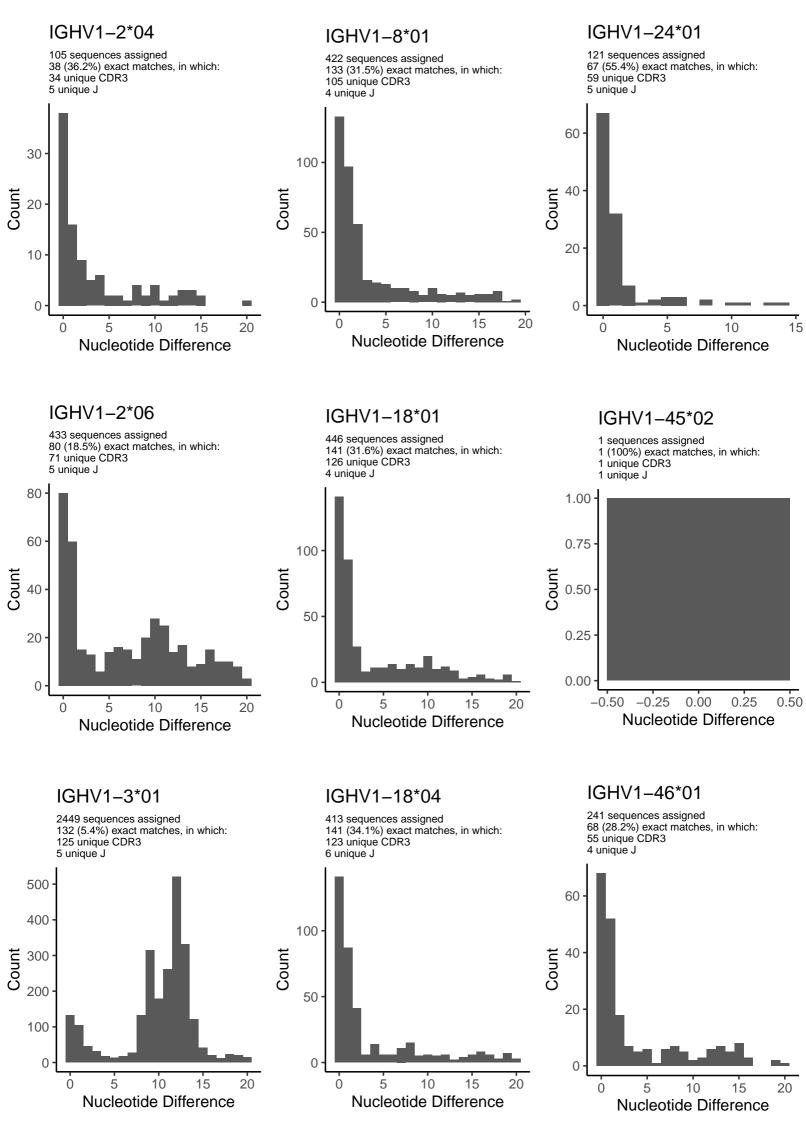


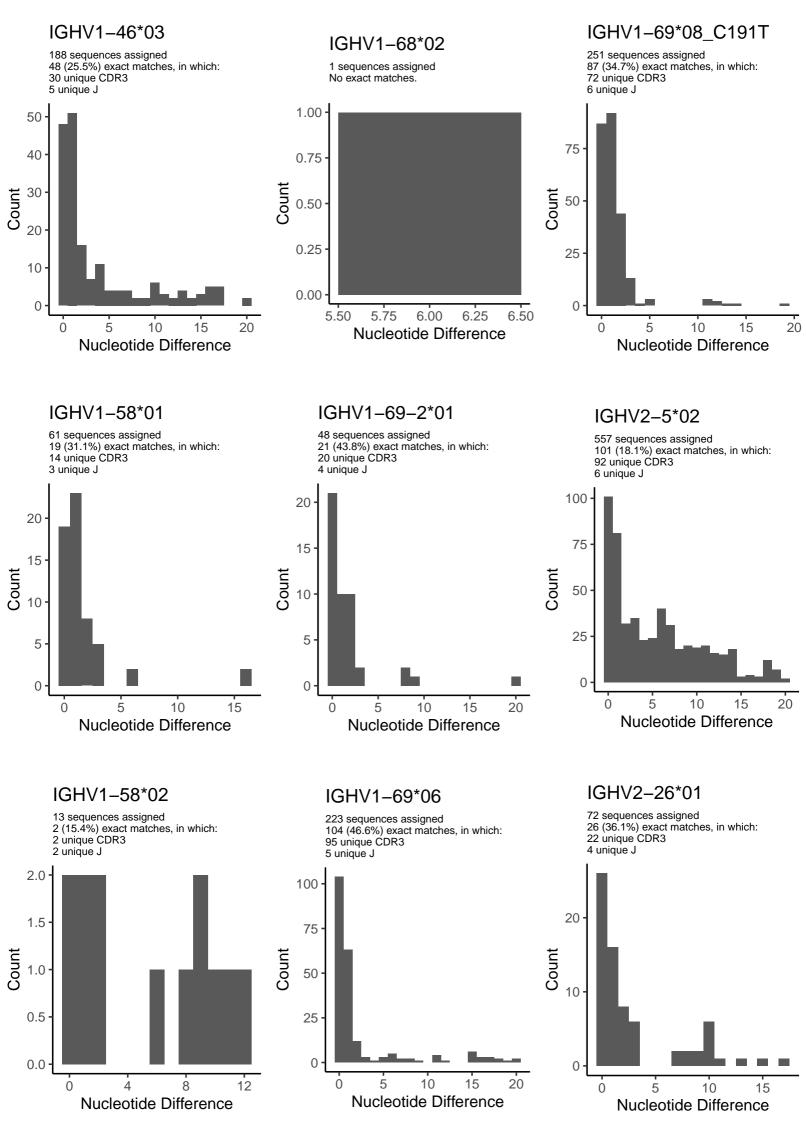
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

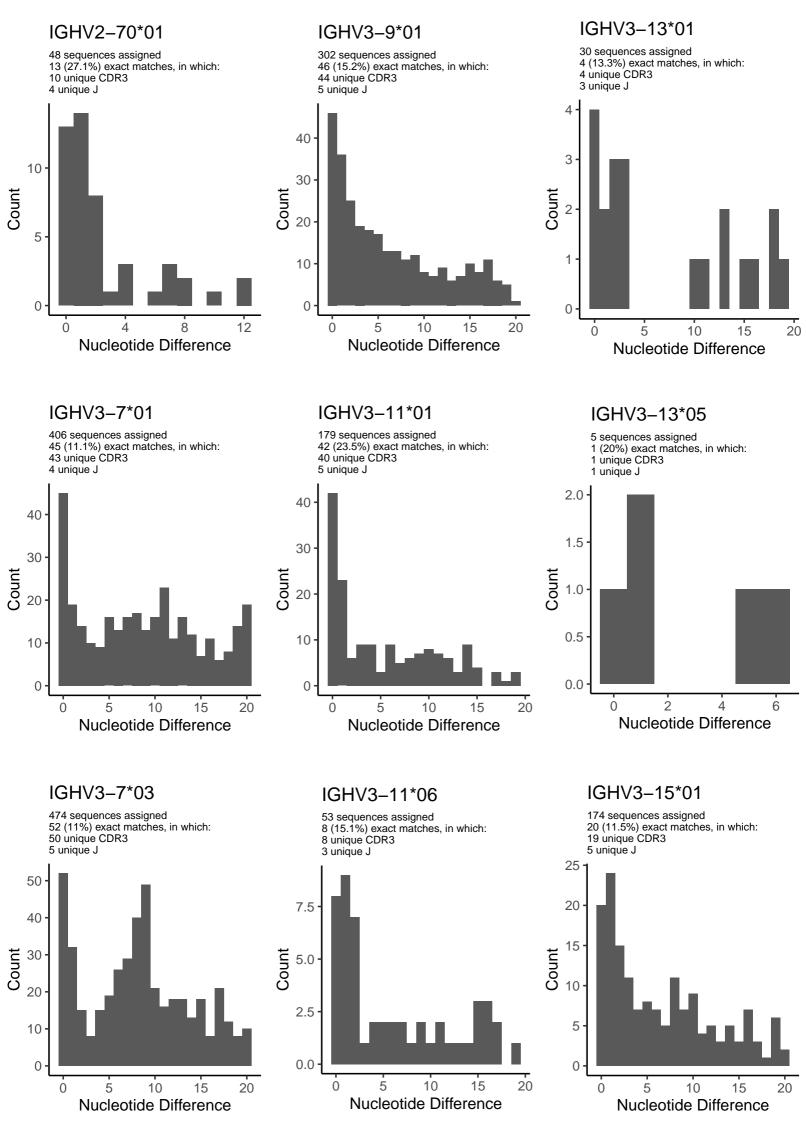


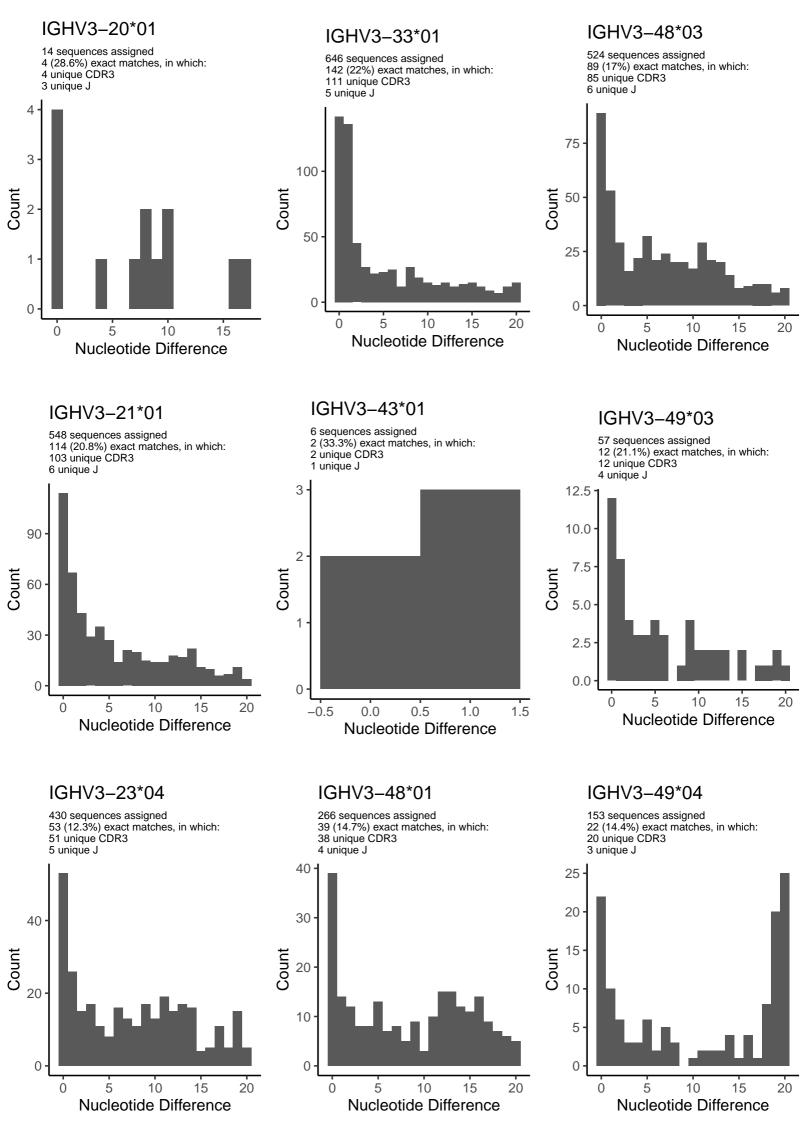
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

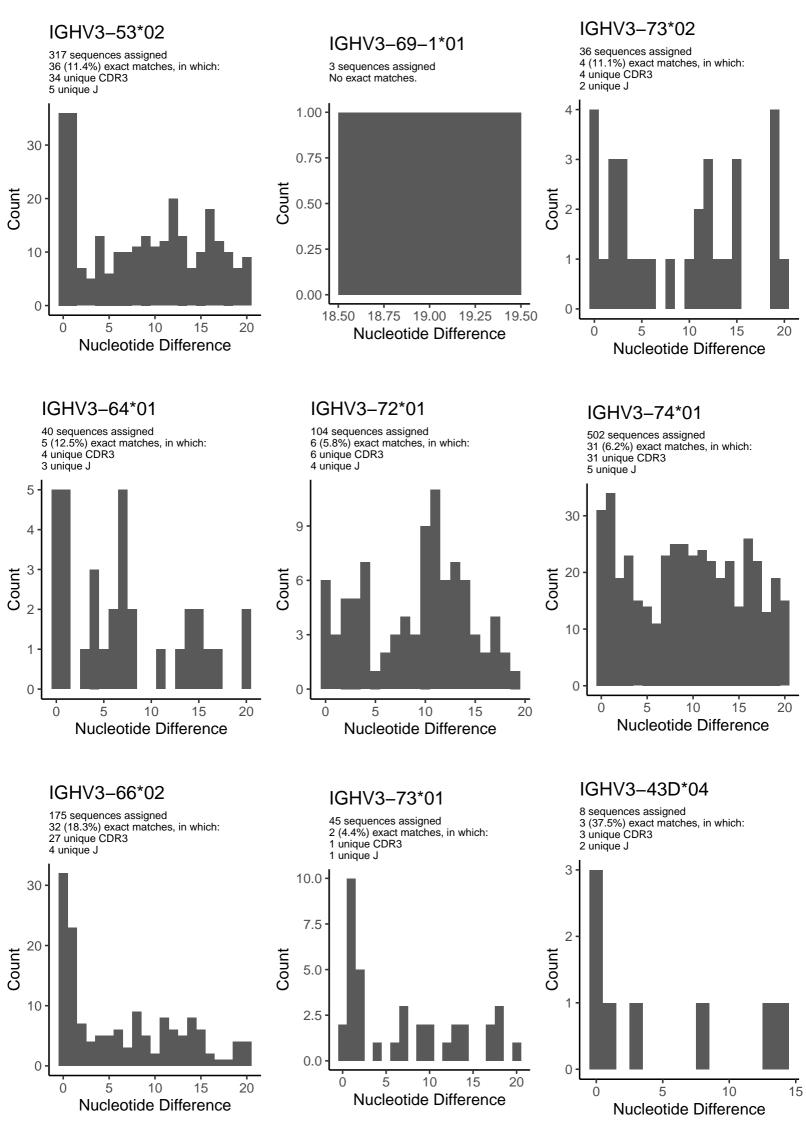


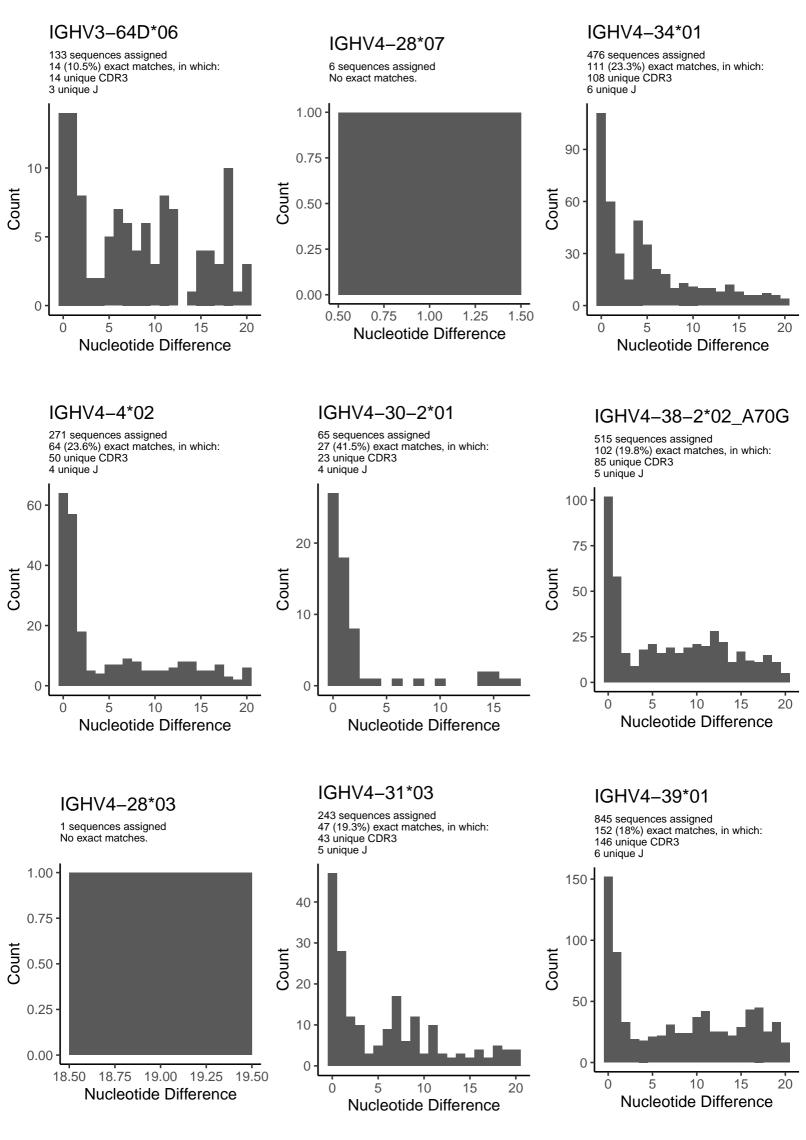












IGHV5-10-1*03 IGHV6-1*01 IGHV4-59*01 158 sequences assigned 22 (13.9%) exact matches, in which: 575 sequences assigned 79 (13.7%) exact matches, in which: 728 sequences assigned 141 (19.4%) exact matches, in which: 22 unique CDR3 64 unique CDR3 121 unique CDR3 3 unique J 6 unique J 6 unique J 80 20 60 100 15 Count Count 40 10 50 20 5 0 0 0 5 10 15 20 0 10 15 20 5 10 15 0 5 Nucleotide Difference **Nucleotide Difference Nucleotide Difference** IGHV4-61*01 IGHV7-4-1*02 IGHV5-51*01 145 sequences assigned 394 sequences assigned 42 (10.7%) exact matches, in which: 449 sequences assigned 94 (20.9%) exact matches, in which: 17 (11.7%) exact matches, in which: 16 unique CDR3 38 unique CDR3 81 unique CDR3 5 unique J 4 unique J 5 unique J 50 40 75 30 Count Count 50 20 5 25 10 0 0 0 10 15 20 10 15 20 10 15 0 5 0 5 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV5-51*03 IGHV4-61*02 147 sequences assigned 496 sequences assigned 103 (20.8%) exact matches, in which: 20 (13.6%) exact matches, in which: 20 unique CDR3 89 unique CDR3 4 unique J 6 unique J 20 100 15 75 Count 10 50 25 5

0

0

5

10

Nucleotide Difference

15

20

0

10

Nucleotide Difference

15

20

20



Warning – no inferred sequences found.

Warning – no inferred sequences found.