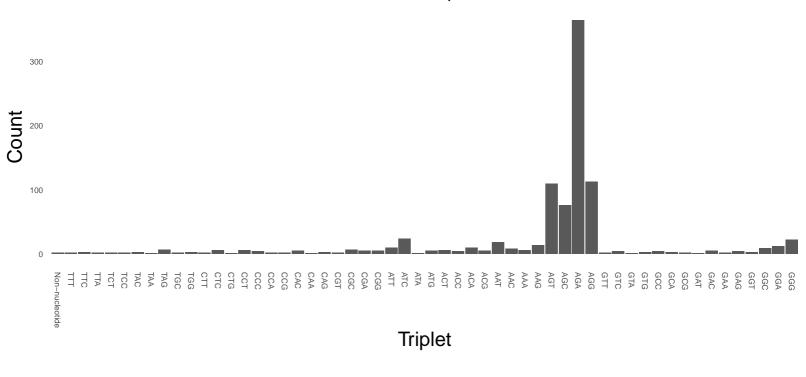
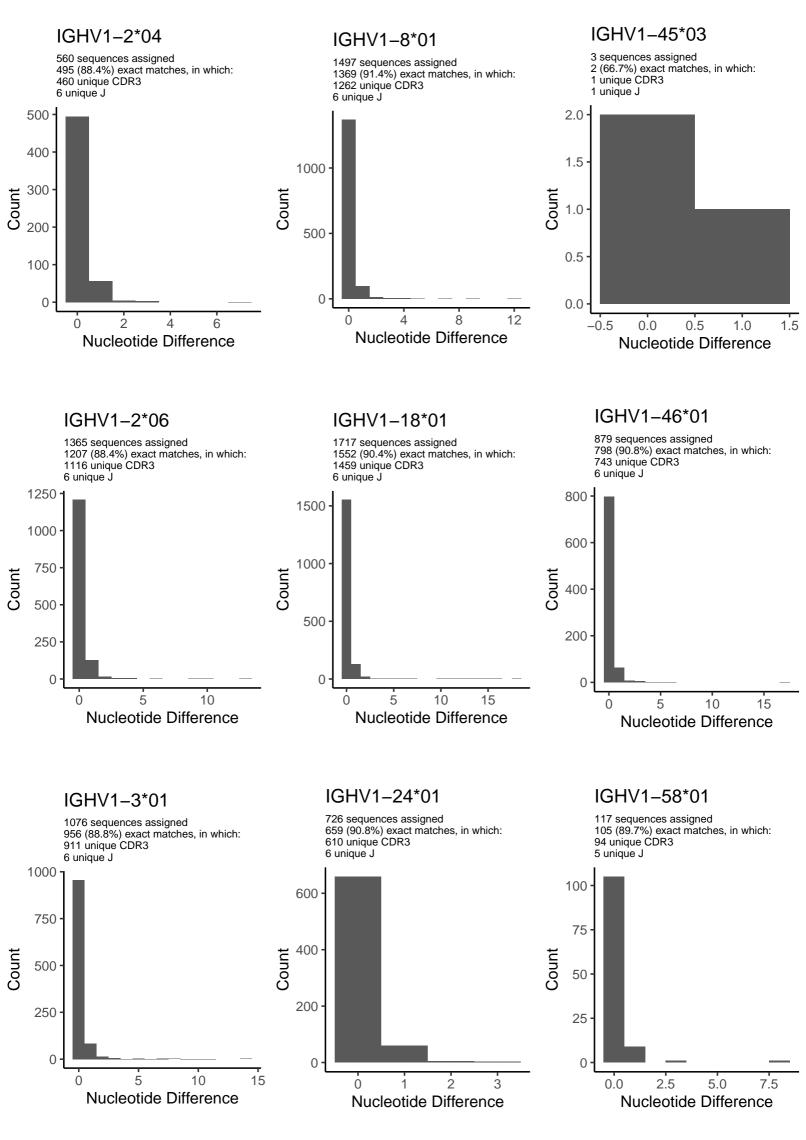
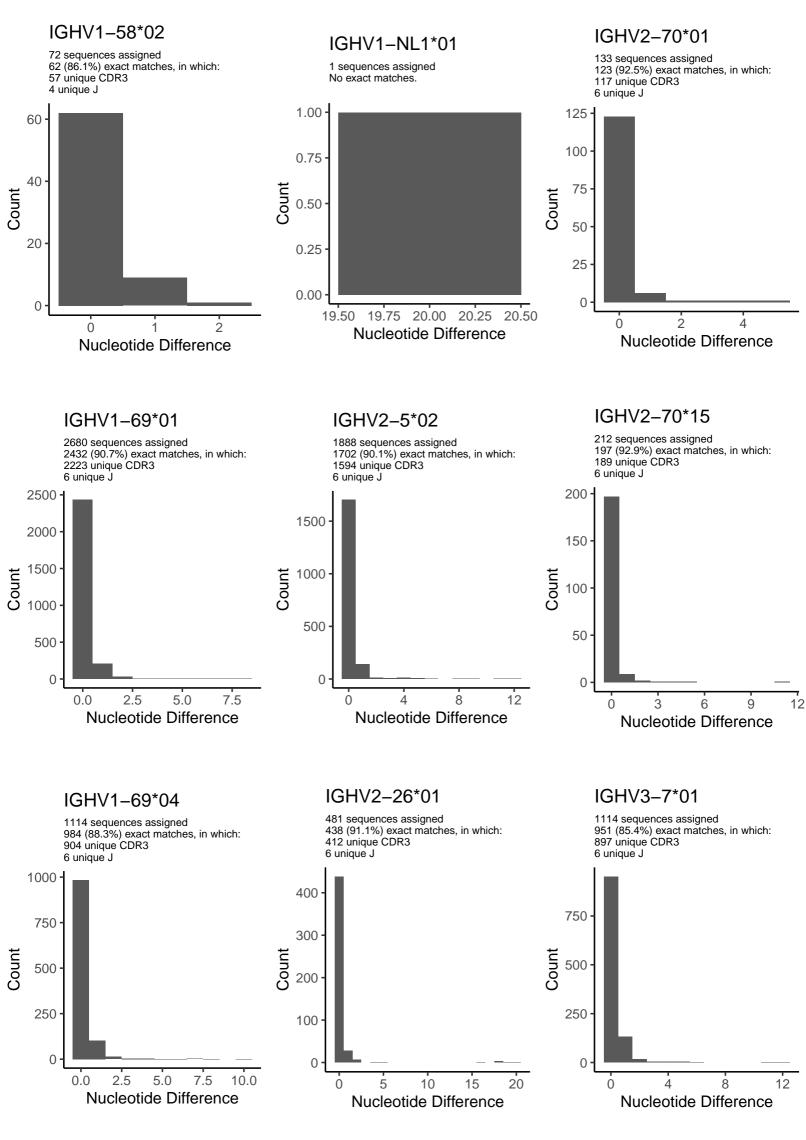


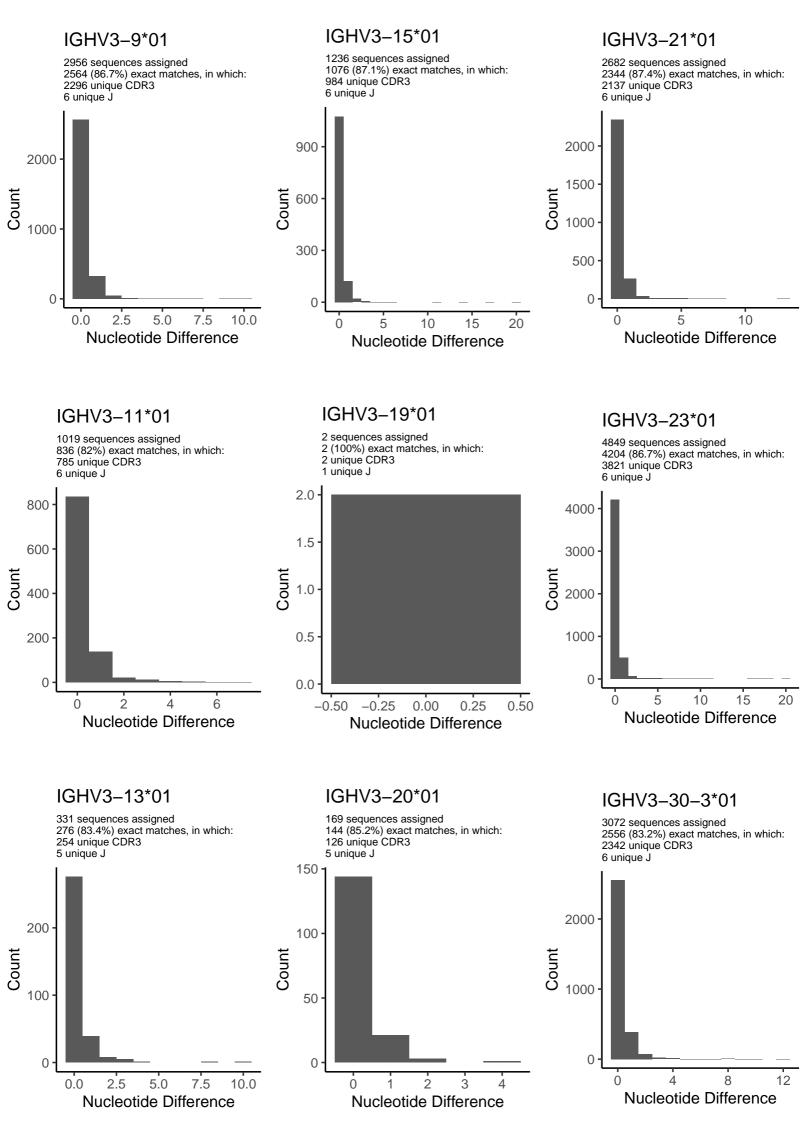


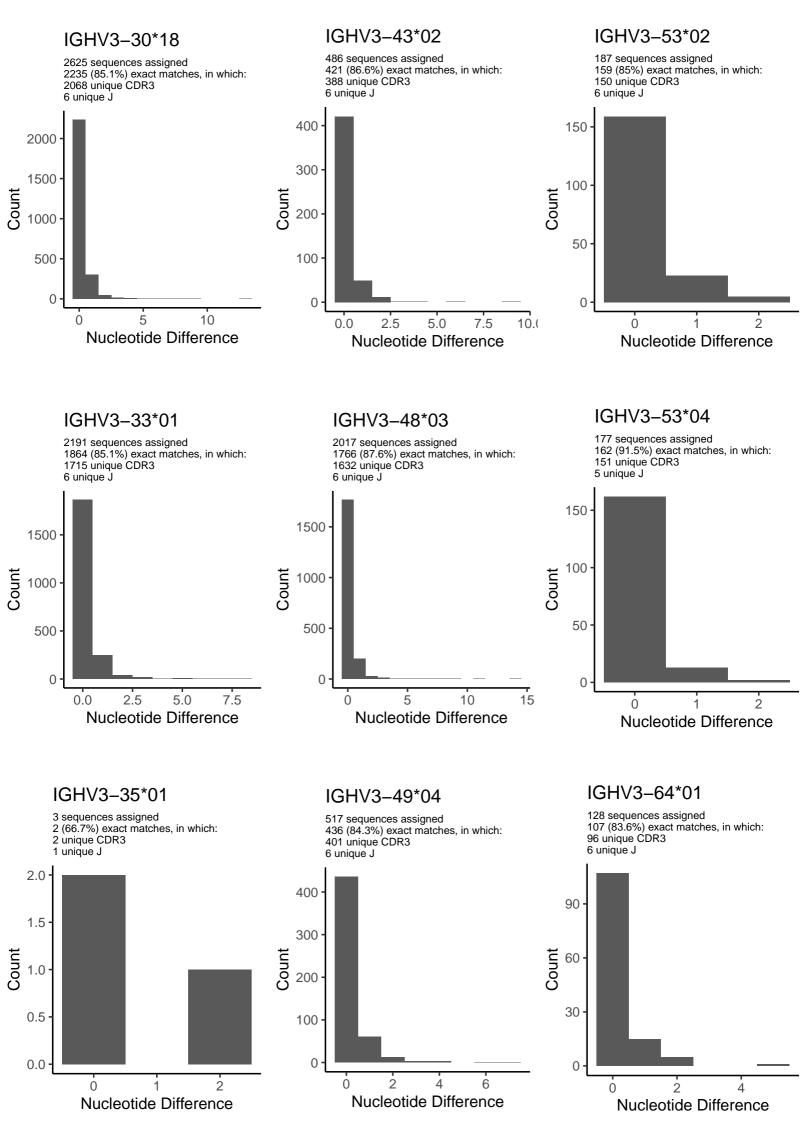
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

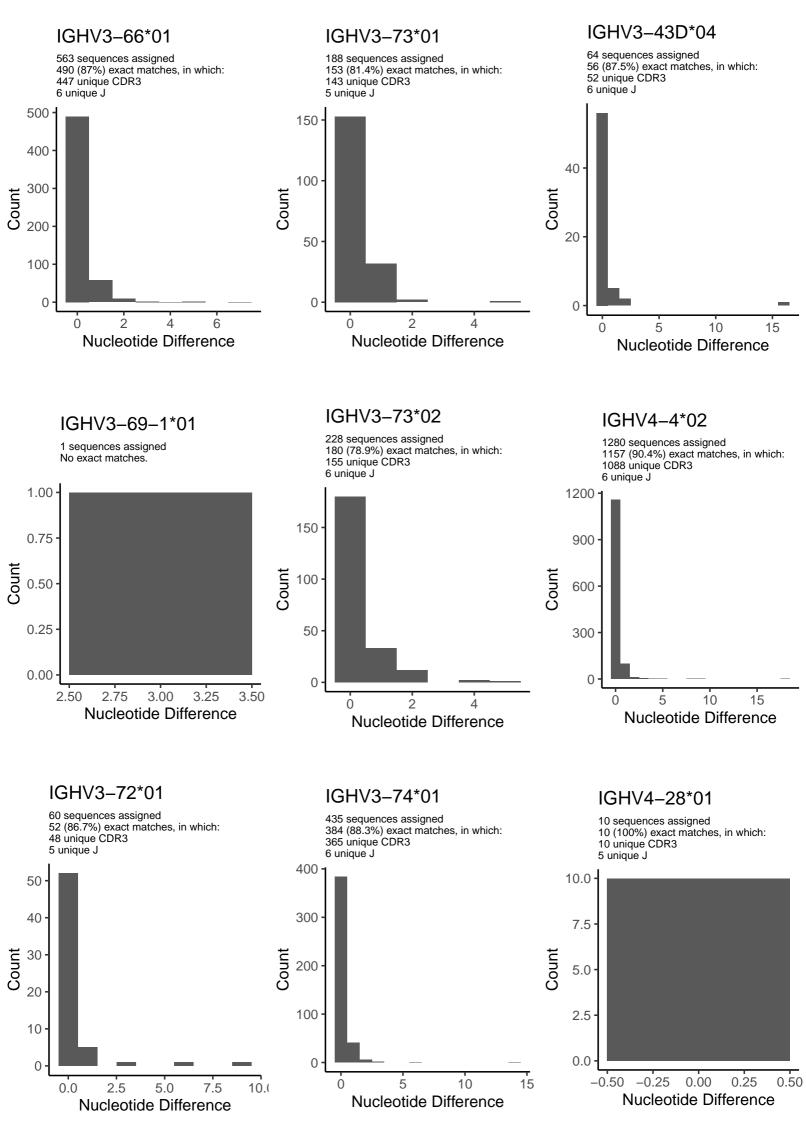


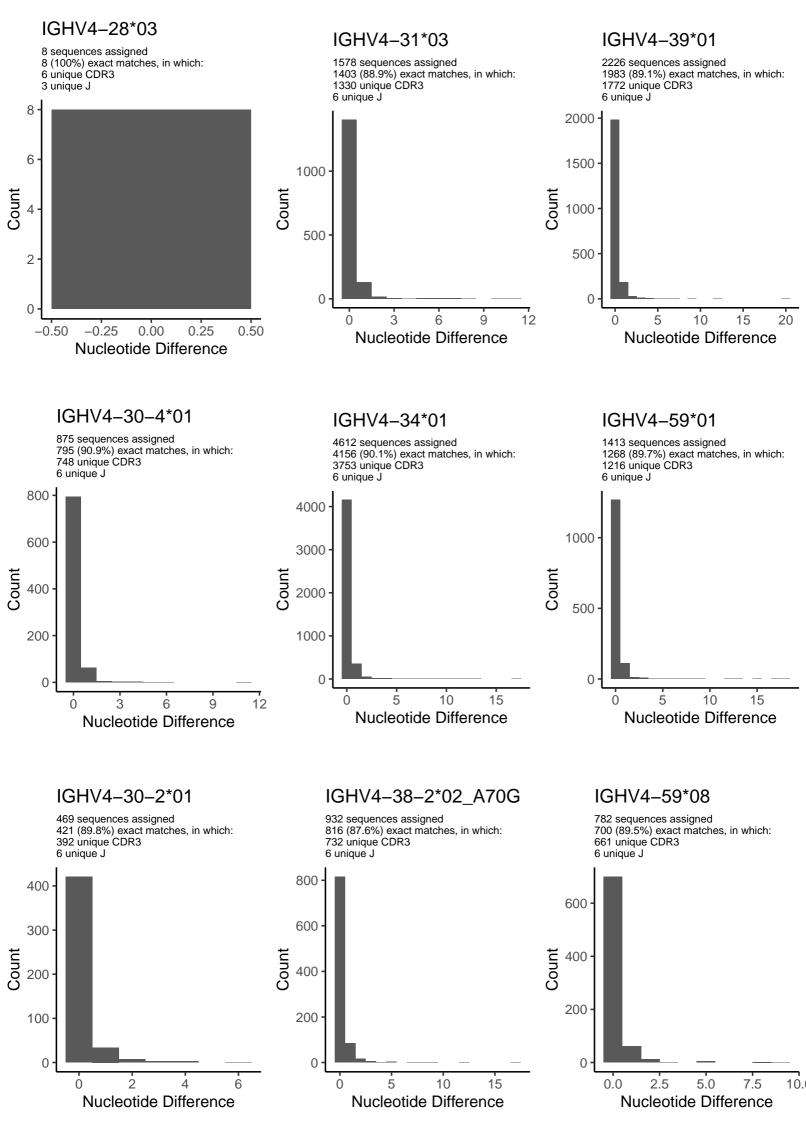












IGHV4-61*01 IGHV6-1*01 214 sequences assigned 181 (84.6%) exact matches, in which: 246 sequences assigned 221 (89.8%) exact matches, in which: 205 unique CDR3 171 unique CDR3 6 unique J 6 unique J 200 150 150 Count 100 100 50 50 0 0 2 2.5 0 6 0.0 5.0 7.5 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*02 IGHV4/OR15-8*03 584 sequences assigned 499 (85.4%) exact matches, in which: 1 sequences assigned No exact matches. 478 unique CDR3 6 unique J 1.00 -500 -400 0.75 Count 200 200 Count 0.50 200

100

0

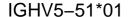
0.0

2.5

5.0

Nucleotide Difference

7.5



2.75

3.00

Nucleotide Difference

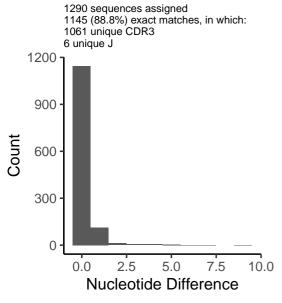
3.25

3.50

0.25

0.00

2.50



IGHV4-38-2*02_A70G

