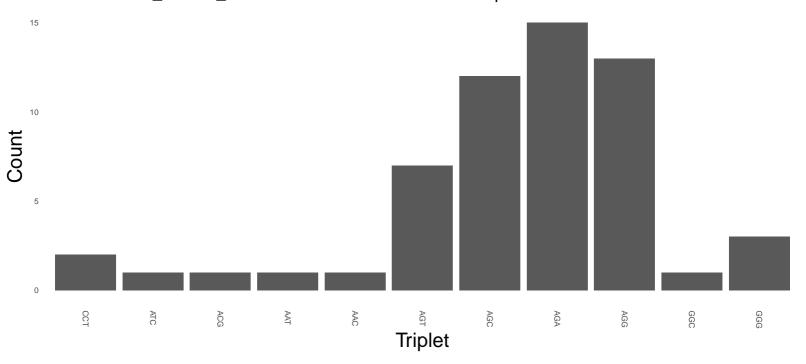
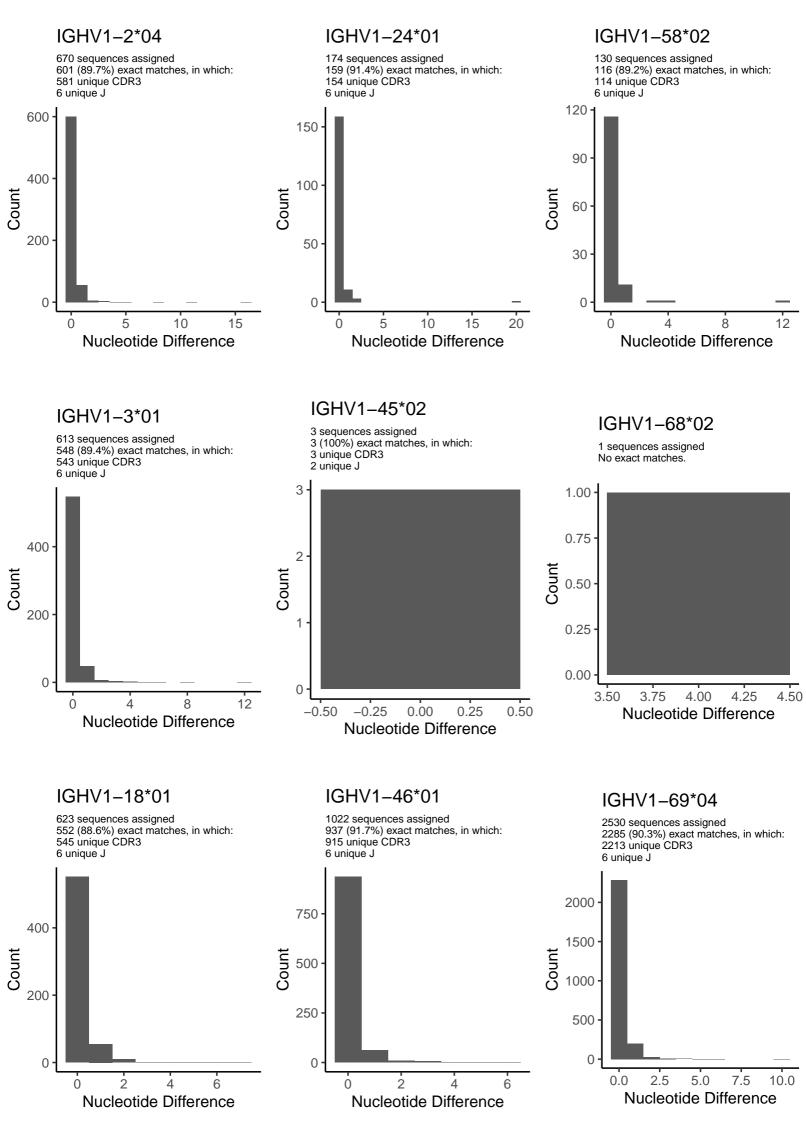
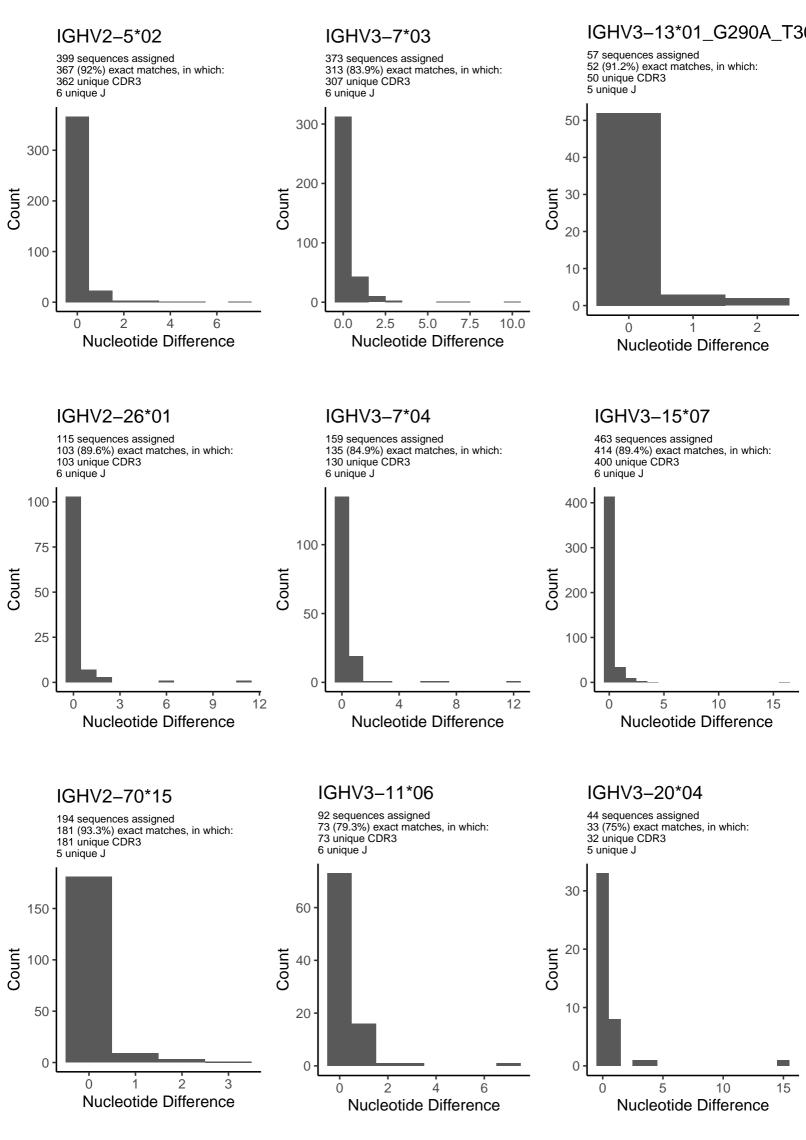
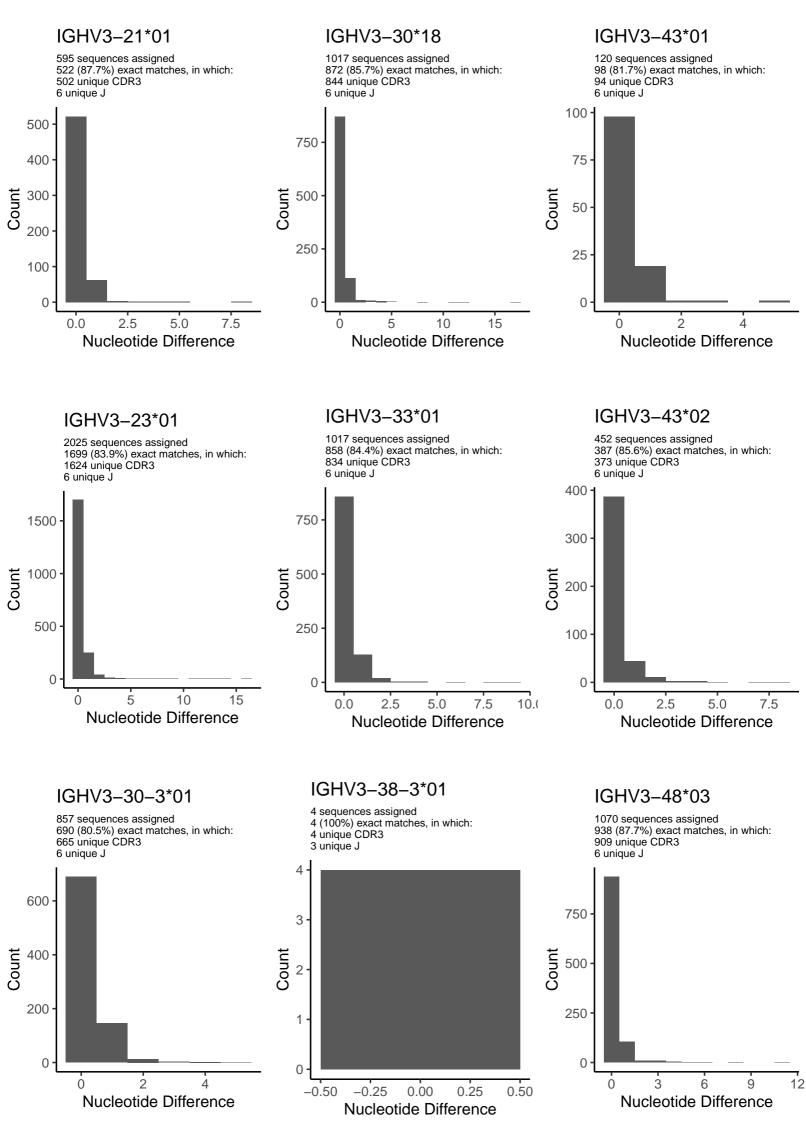


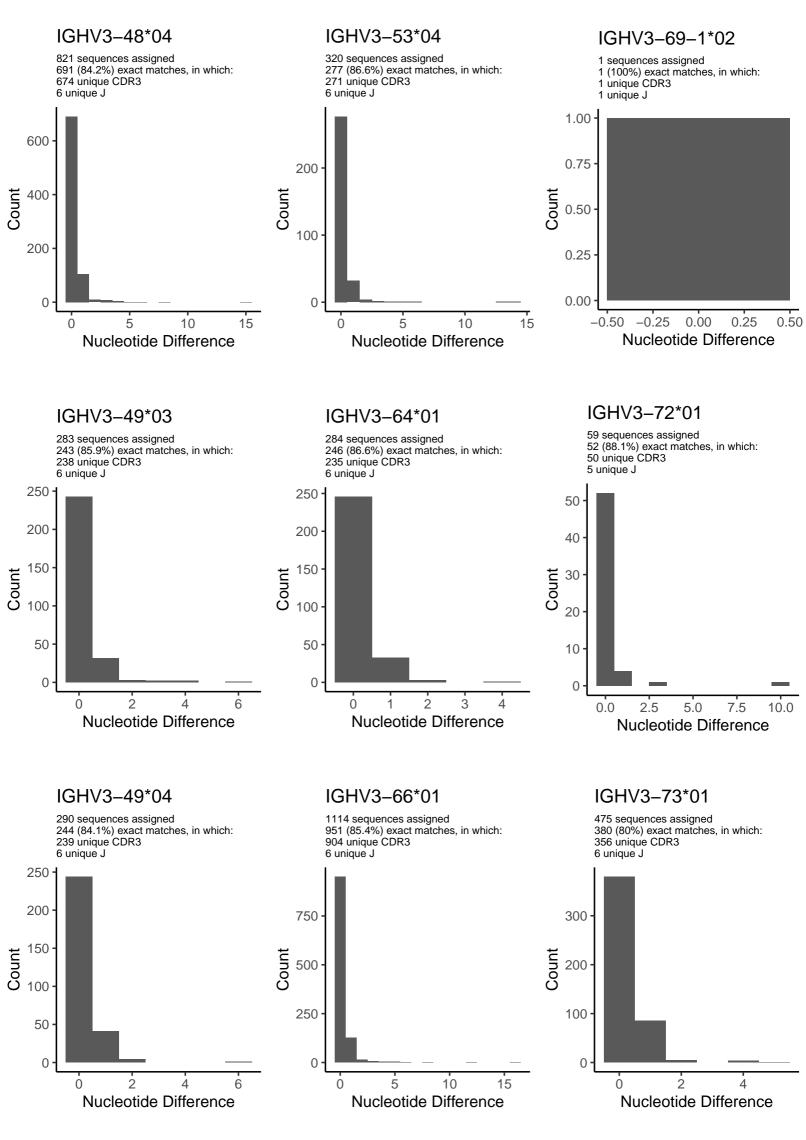
IGHV3-13\*01\_G290A\_T300C- Final 3 nucleotides as a triplet

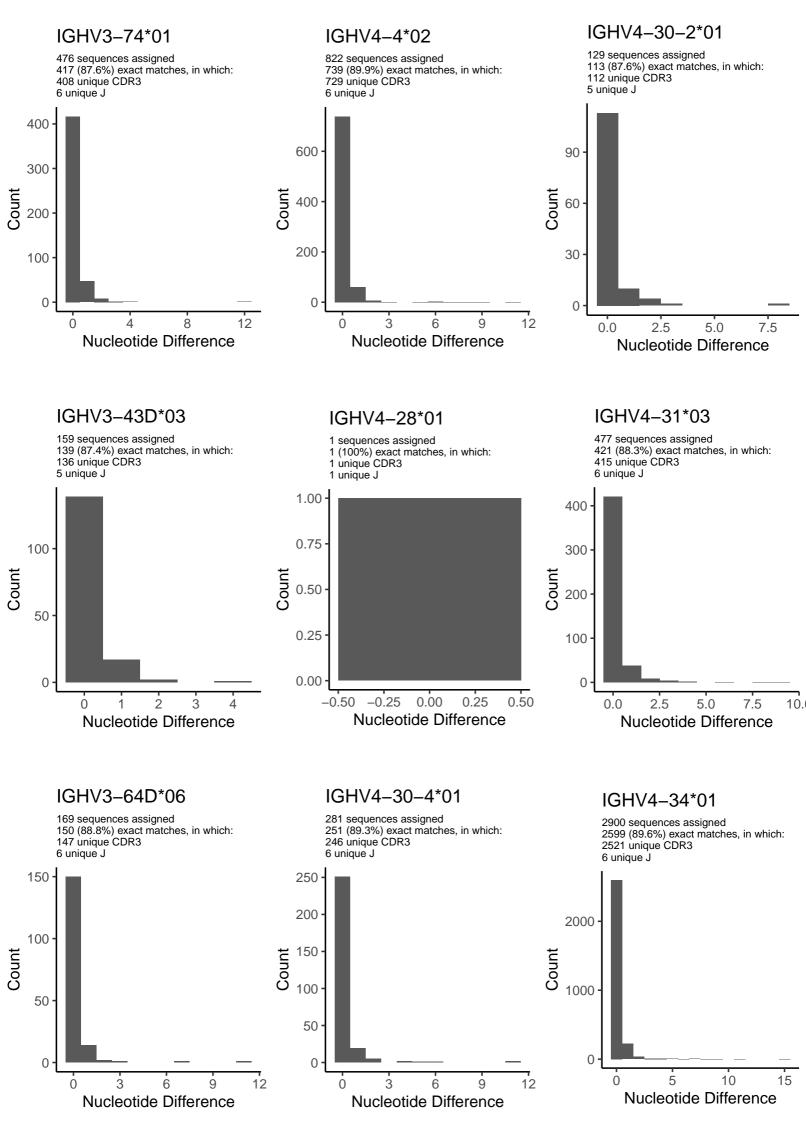


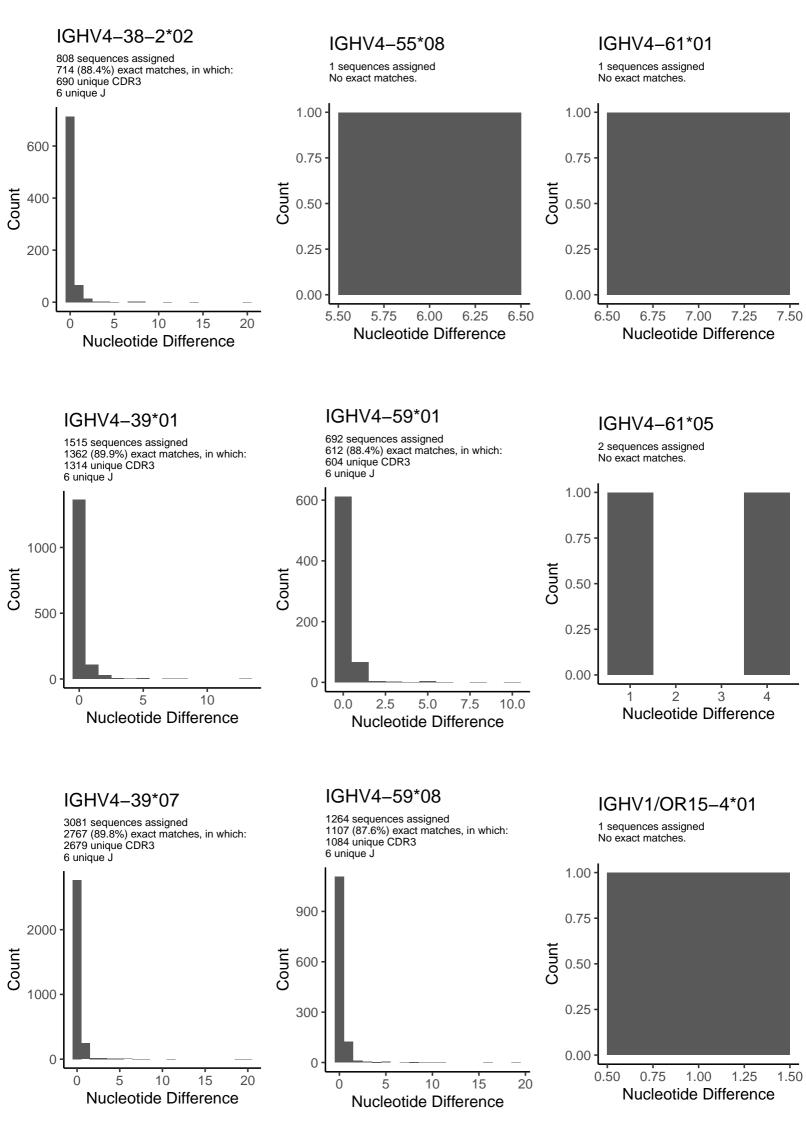












## IGHV7-4-1\*01 IGHV5-10-1\*03 17 sequences assigned 13 (76.5%) exact matches, in which: 158 sequences assigned 137 (86.7%) exact matches, in which: 132 unique CDR3 13 unique CDR3 5 unique J 5 unique J 10 100 Count 5 50 0 0 5 10 15 **Nucleotide Difference Nucleotide Difference**

## IGHV5-51\*01

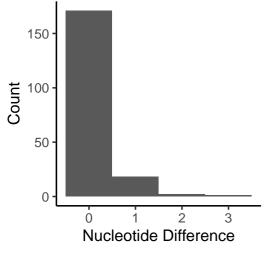
1354 sequences assigned
1200 (88.6%) exact matches, in which:
1166 unique CDR3
6 unique J

1250
1000
750
250
0
5 10 15

## IGHV6-1\*01

192 sequences assigned 171 (89.1%) exact matches, in which: 166 unique CDR3 6 unique J

Nucleotide Difference



IGHV3-13\*01\_G290A\_T300C

