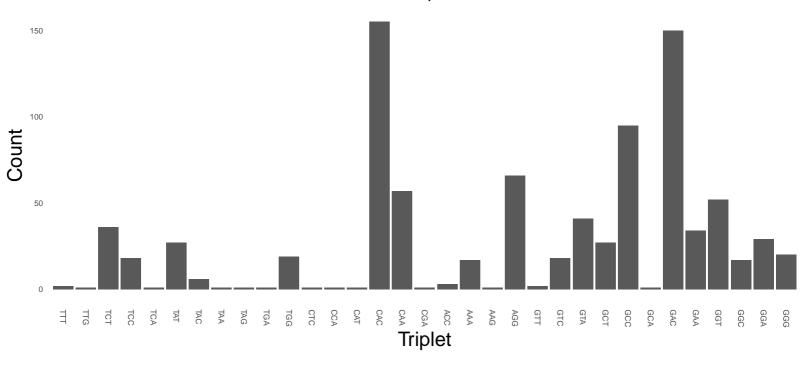
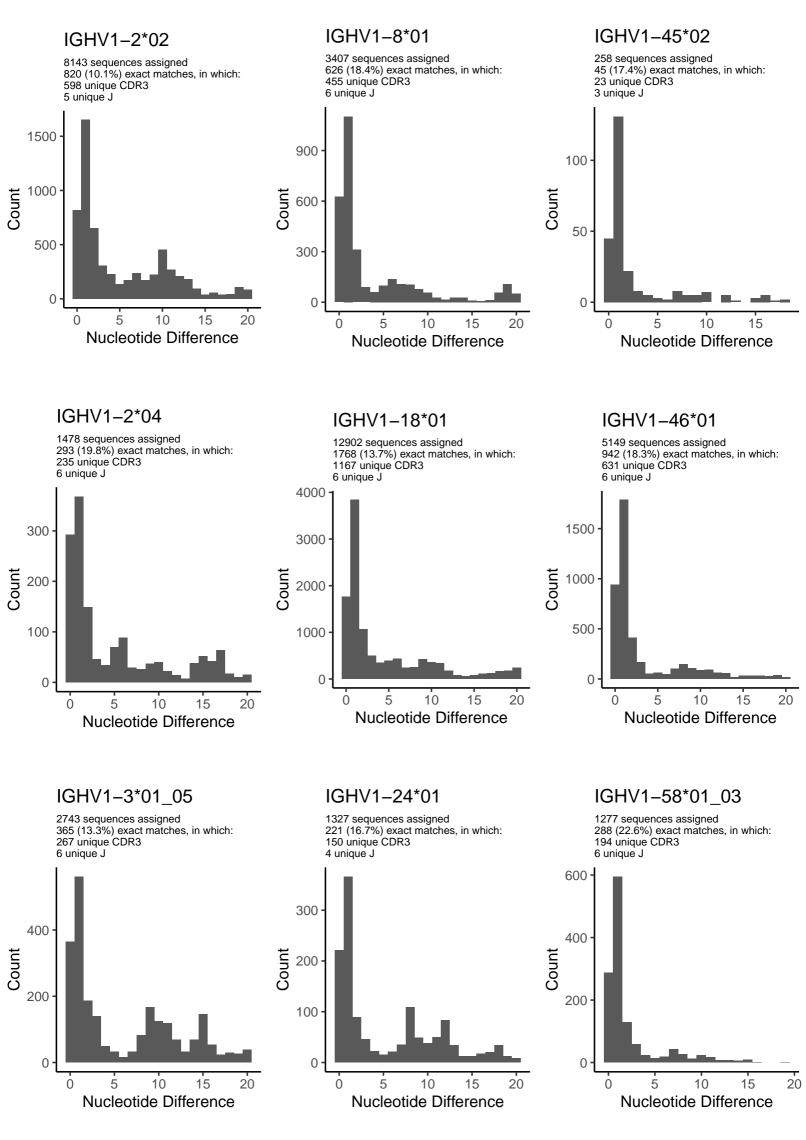
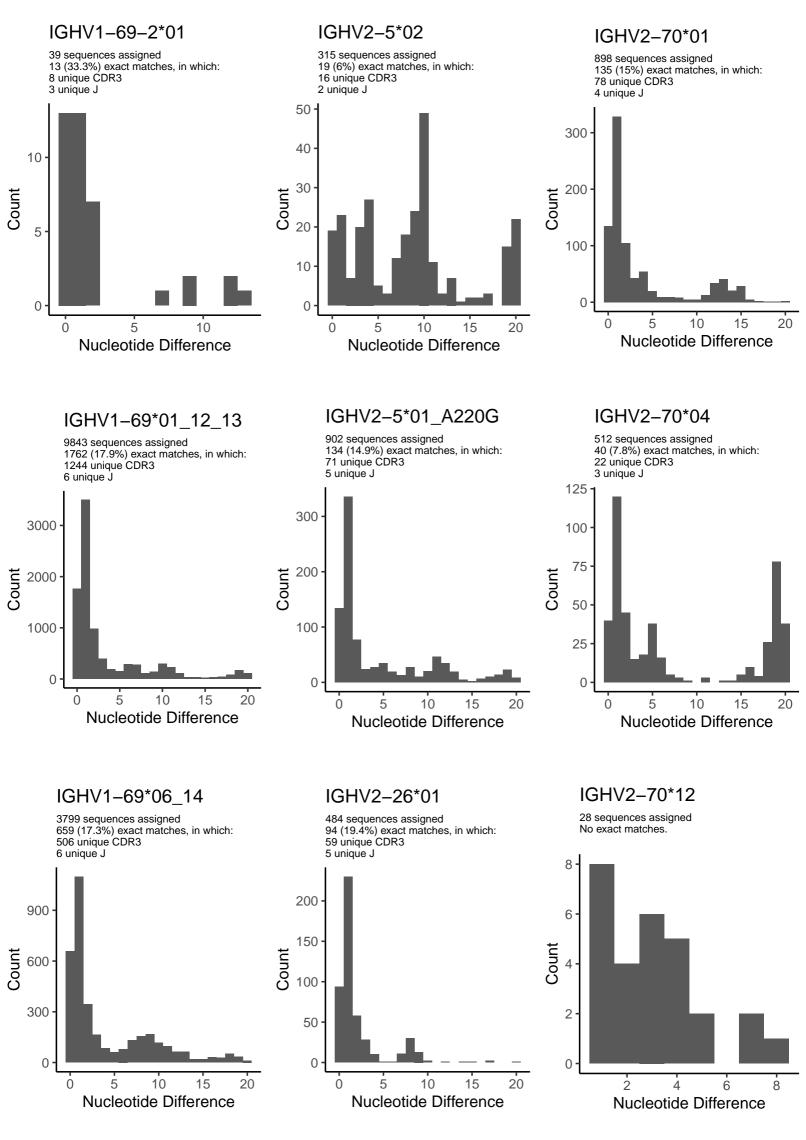
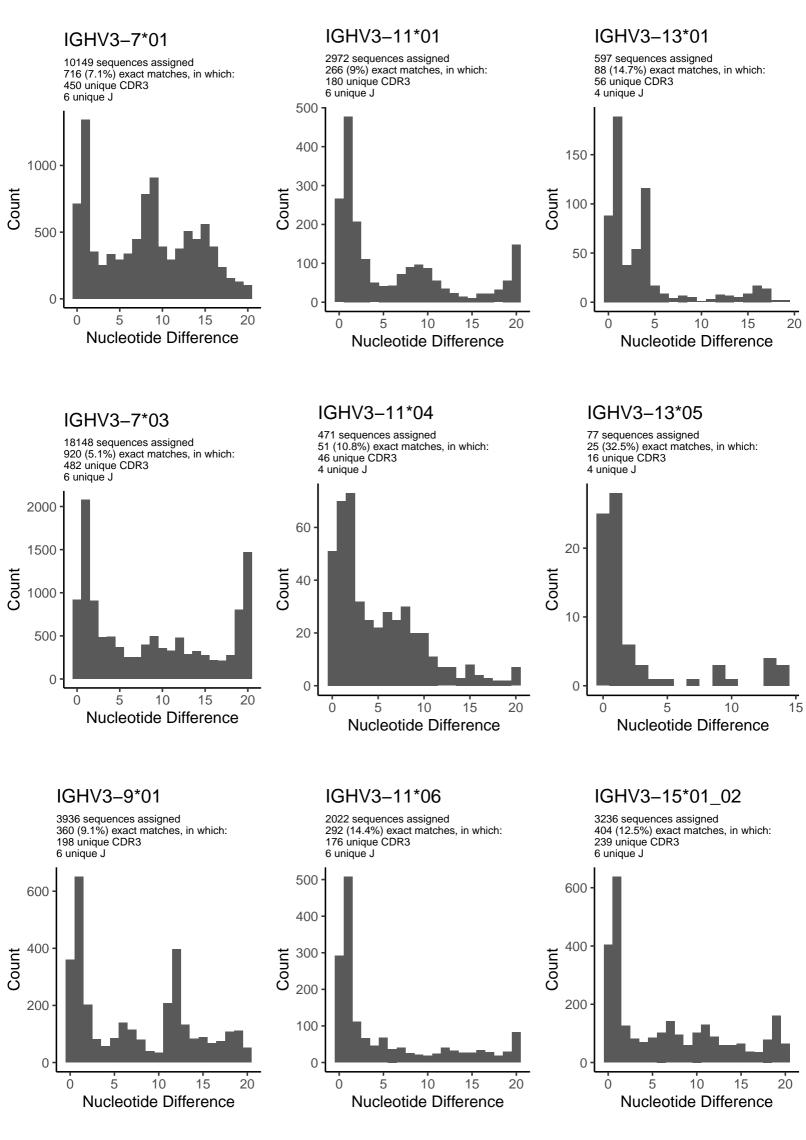


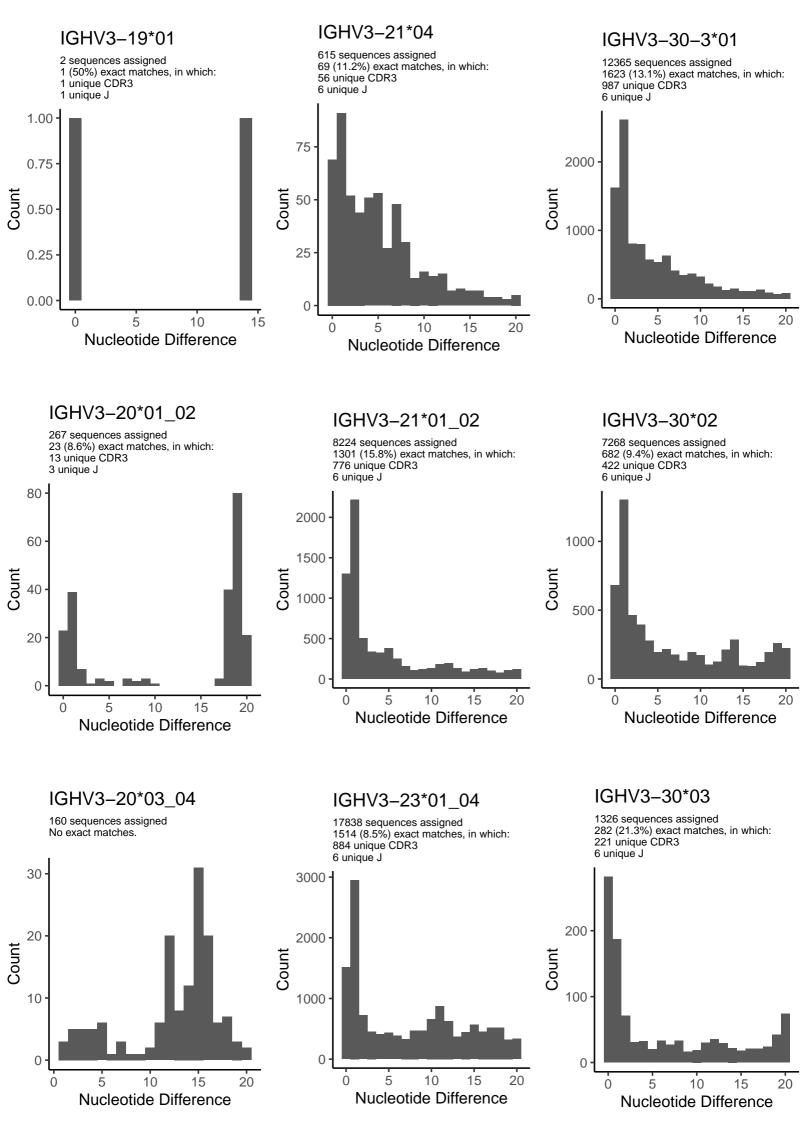
IGHV2-5\*01\_A220G- Final 3 nucleotides as a triplet

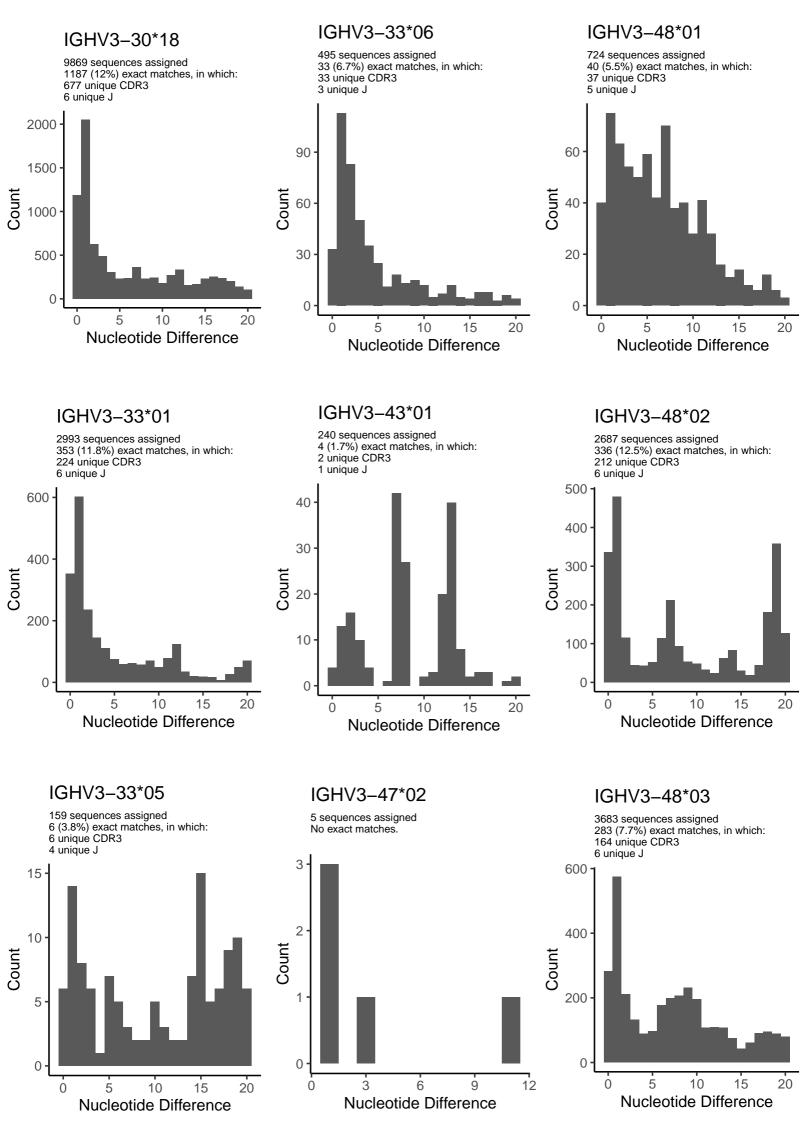


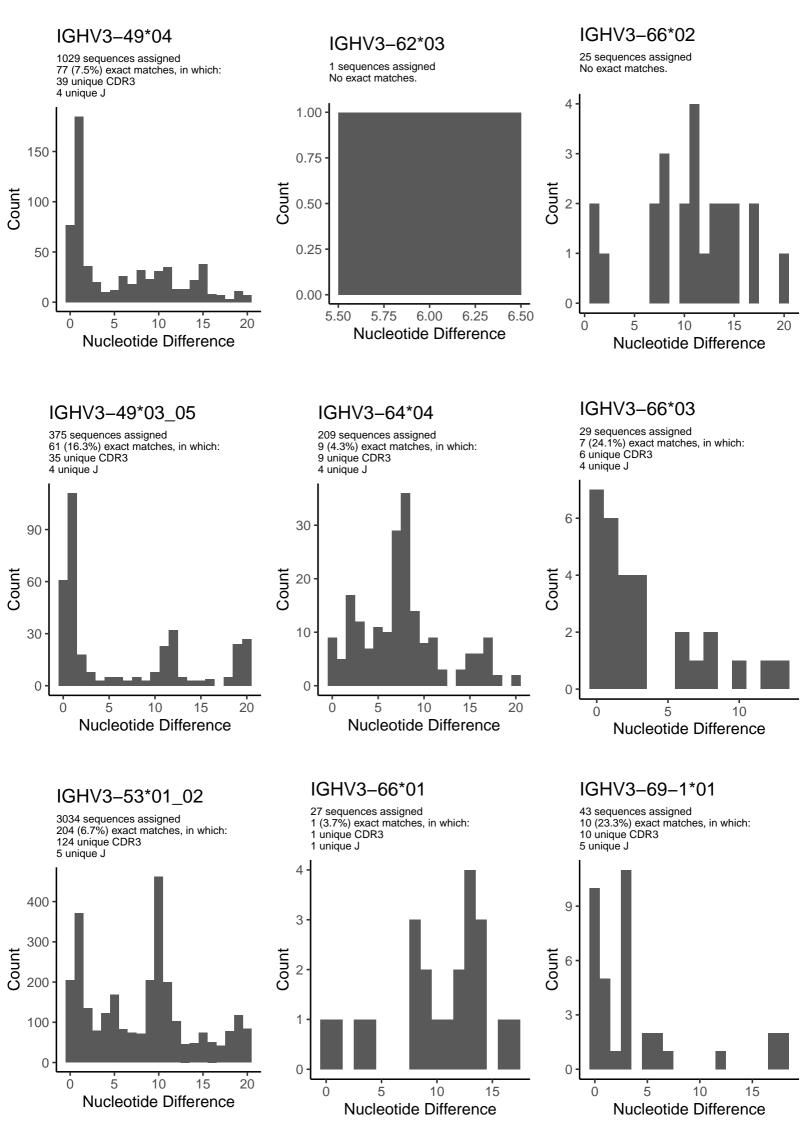


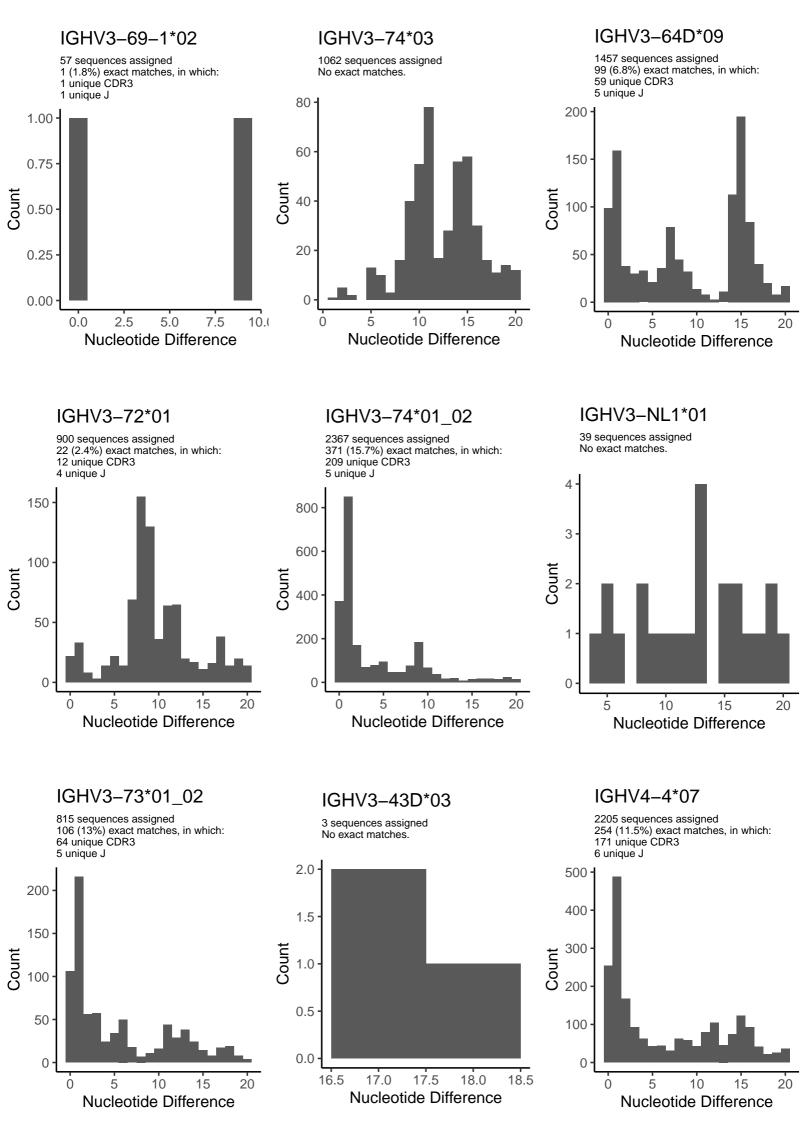


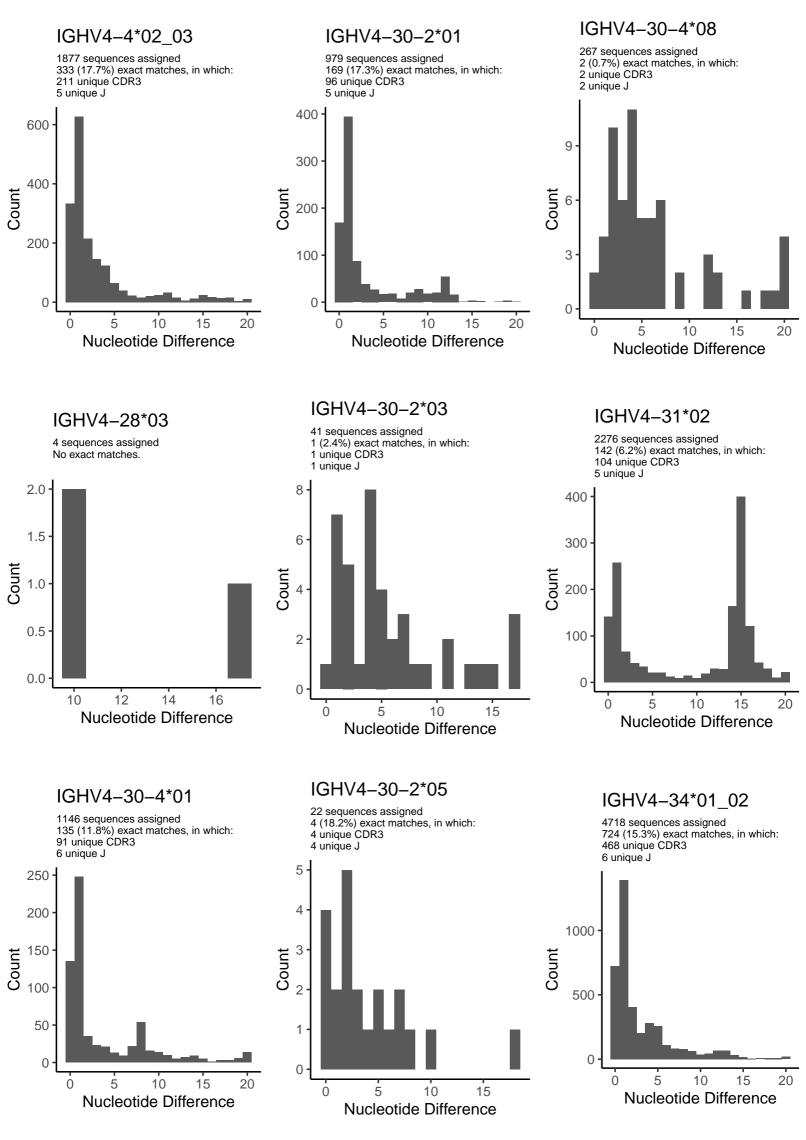


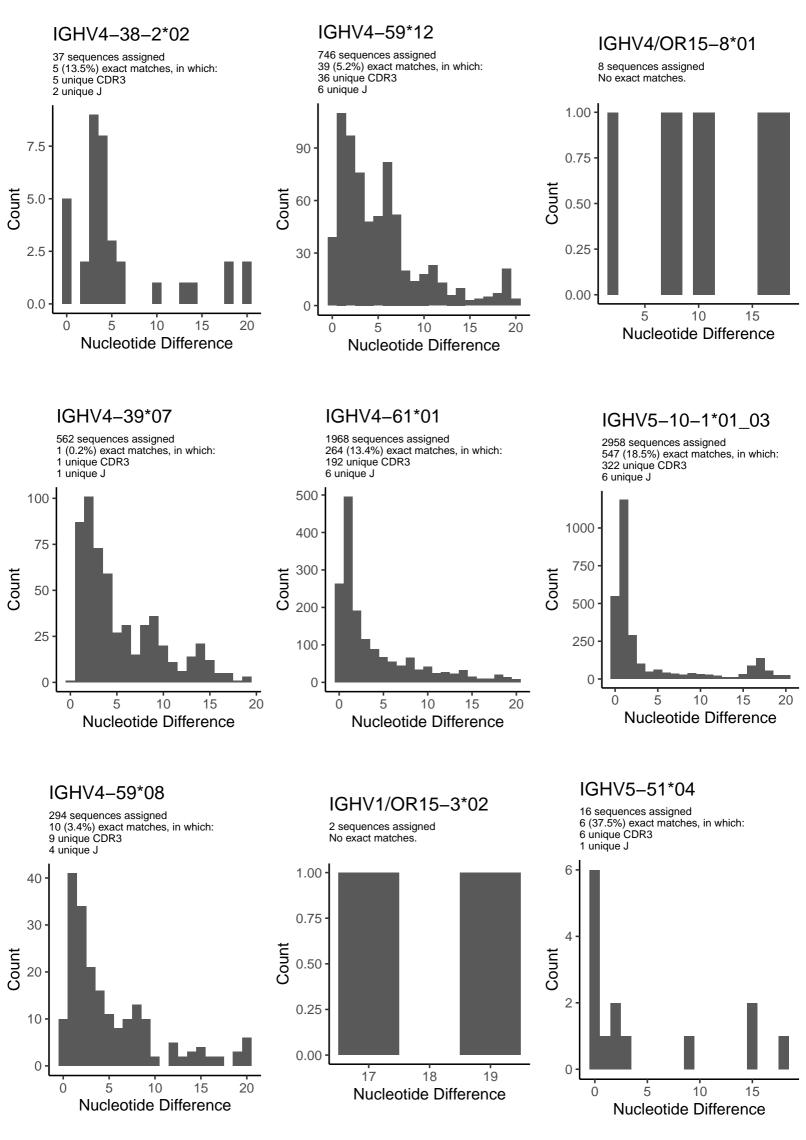












## IGHV5-51\*06 IGHV7-4-1\*01 15 sequences assigned 1 sequences assigned 7 (46.7%) exact matches, in which: 7 unique CDR3 1 (100%) exact matches, in which: 2 unique J 1 unique CDR3 1 unique J 1.00 6 0.75 Count Count Count 4 2 0.25 0.00 0 0.25 0.50 -0.50 -0.25 0.00 10 **Nucleotide Difference Nucleotide Difference** IGHV5-51\*07 IGHV7-4-1\*02 17 sequences assigned 8 (47.1%) exact matches, in which: 8 unique CDR3 2 sequences assigned No exact matches. 4 unique J 1.00 -0.75 6 Count Count Count <sup>4</sup>

0.25

0.00

9

12

15

**Nucleotide Difference** 

18

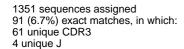
21

## IGHV6-1\*01\_02

2

0

0



10

**Nucleotide Difference** 

15

