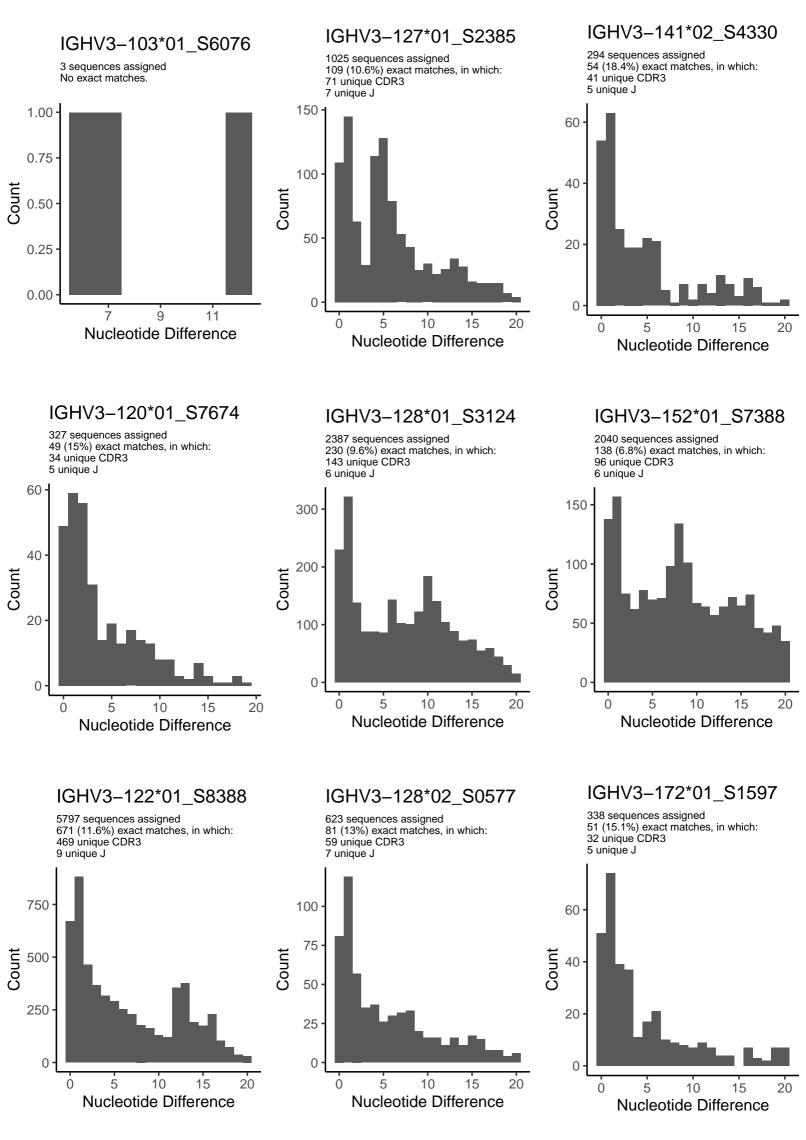
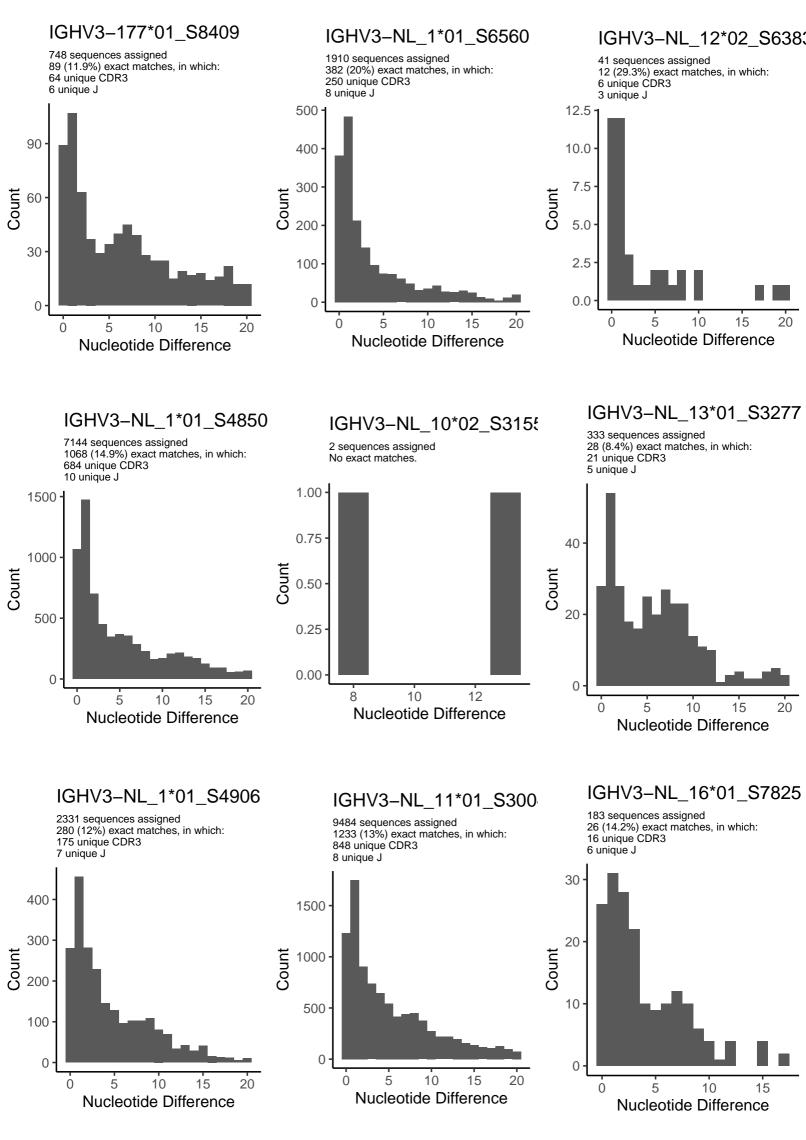


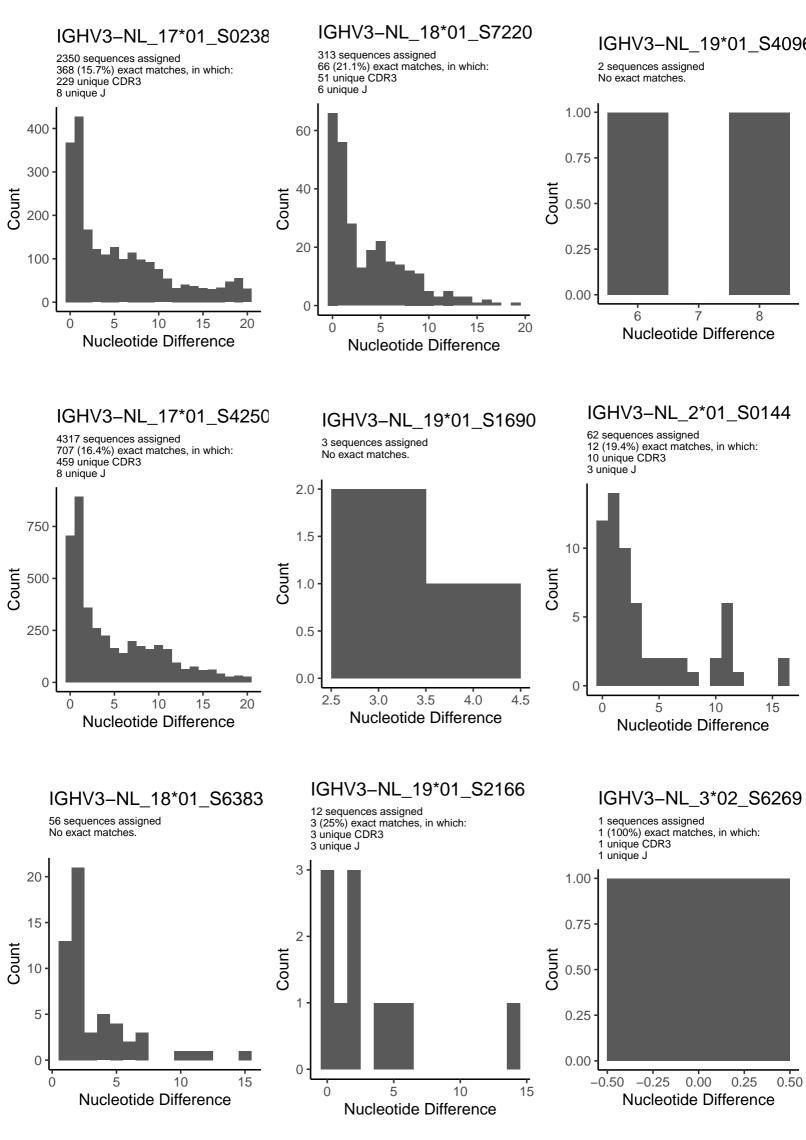
## IGHV3-100\*01\_S2773 IGHV3-87\*01\_S5669 IGHV3-76\*02\_S4190 161 sequences assigned 20 sequences assigned 5949 sequences assigned 672 (11.3%) exact matches, in which: 21 (13%) exact matches, in which: No exact matches. 13 unique CDR3 486 unique CDR3 3 unique J 8 unique J 1000 20 4 750 15 3 Count Count 500 10 250 5 1 0 0 0 10 15 10 0 5 15 10 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV3-83\*02\_S1476 IGHV3-100\*01\_S5468 IGHV3-88\*01\_S3027 37 sequences assigned 3 (8.1%) exact matches, in which: 3 unique CDR3 39 sequences assigned 10715 sequences assigned 740 (6.9%) exact matches, in which: 426 unique CDR3 2 (5.1%) exact matches, in which: 2 unique CDR3 2 unique J 1 unique J 7 unique J 5 1000 6 4 750 3 Count Count 500 2 250 0 0 0 10 20 10 15 15 20 0 5 20 0 5 10 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV3-87\*01\_S2131 IGHV3-88\*02\_S1054 IGHV3-103\*01\_S0760 70 sequences assigned 4122 sequences assigned 1 sequences assigned 7 (10%) exact matches, in which: 506 (12.3%) exact matches, in which: 7 unique CDR3 No exact matches. 324 unique CDR3 3 unique J 8 unique J 1.00 600 15 0.75 400 Count 0.50 10 200 0.25 5 0.00 0 0 11.00 11.25 10.50 10.75 10 15 20 **Nucleotide Difference**

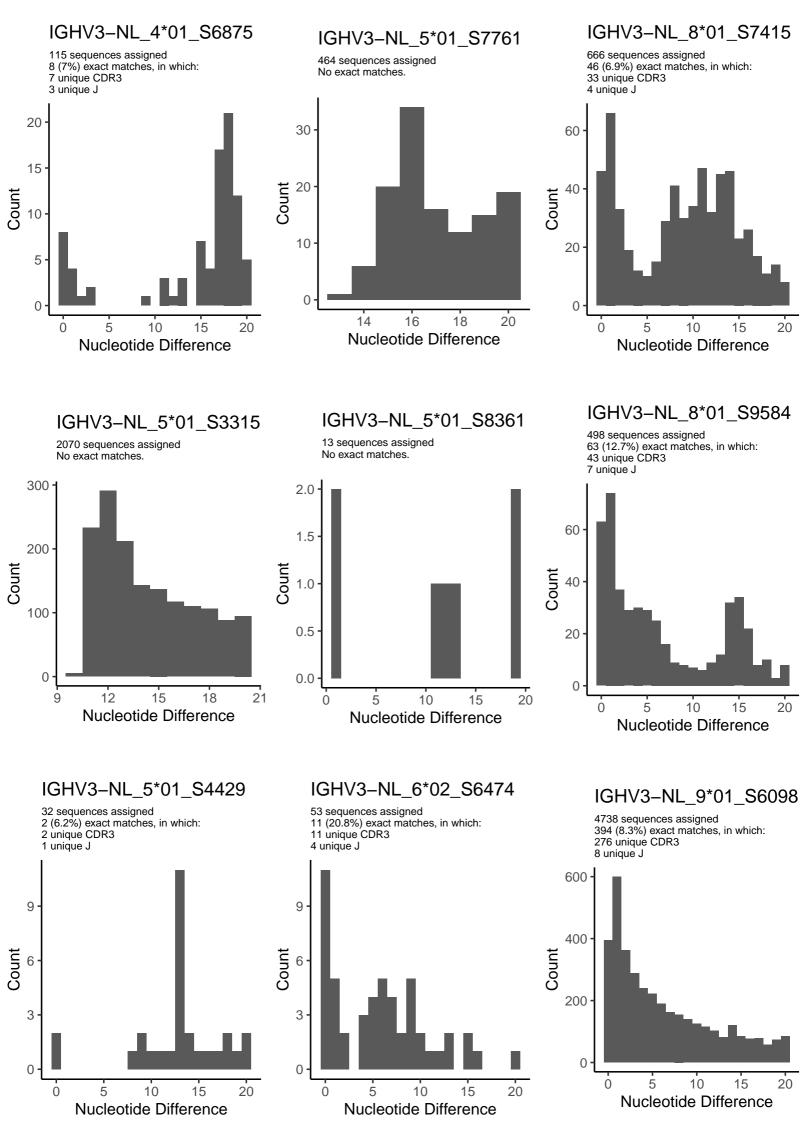
**Nucleotide Difference** 

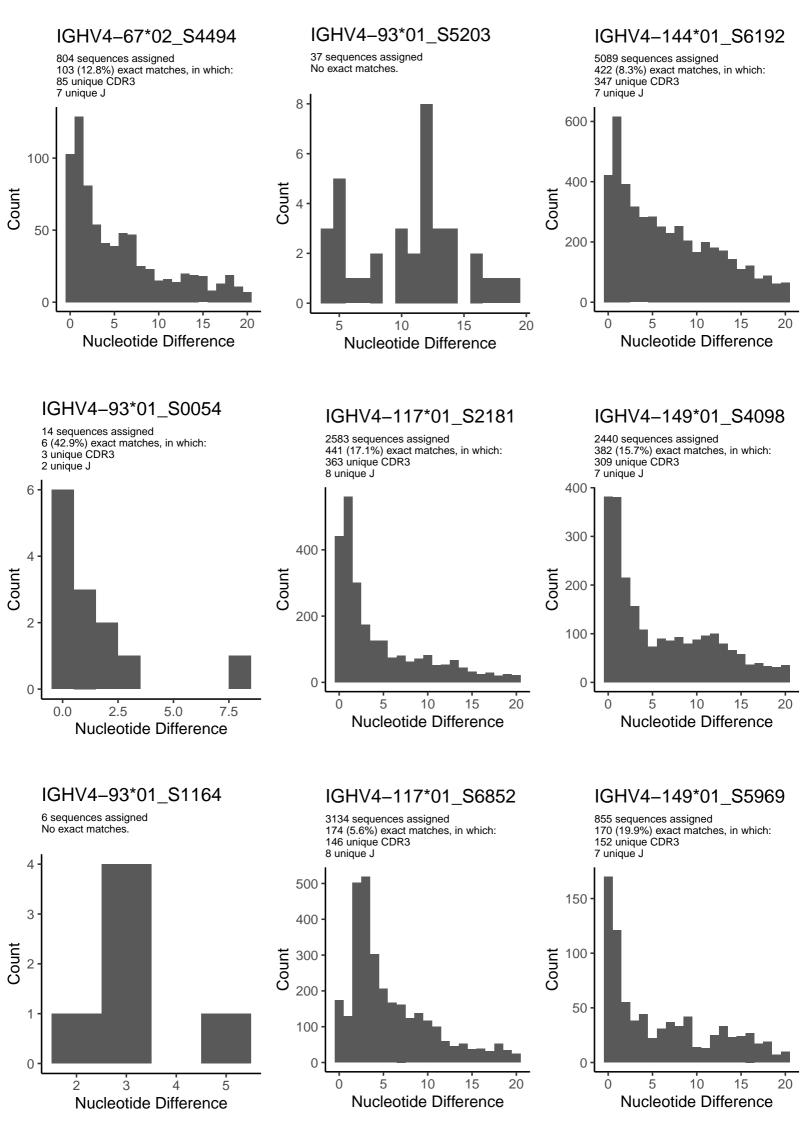
**Nucleotide Difference** 

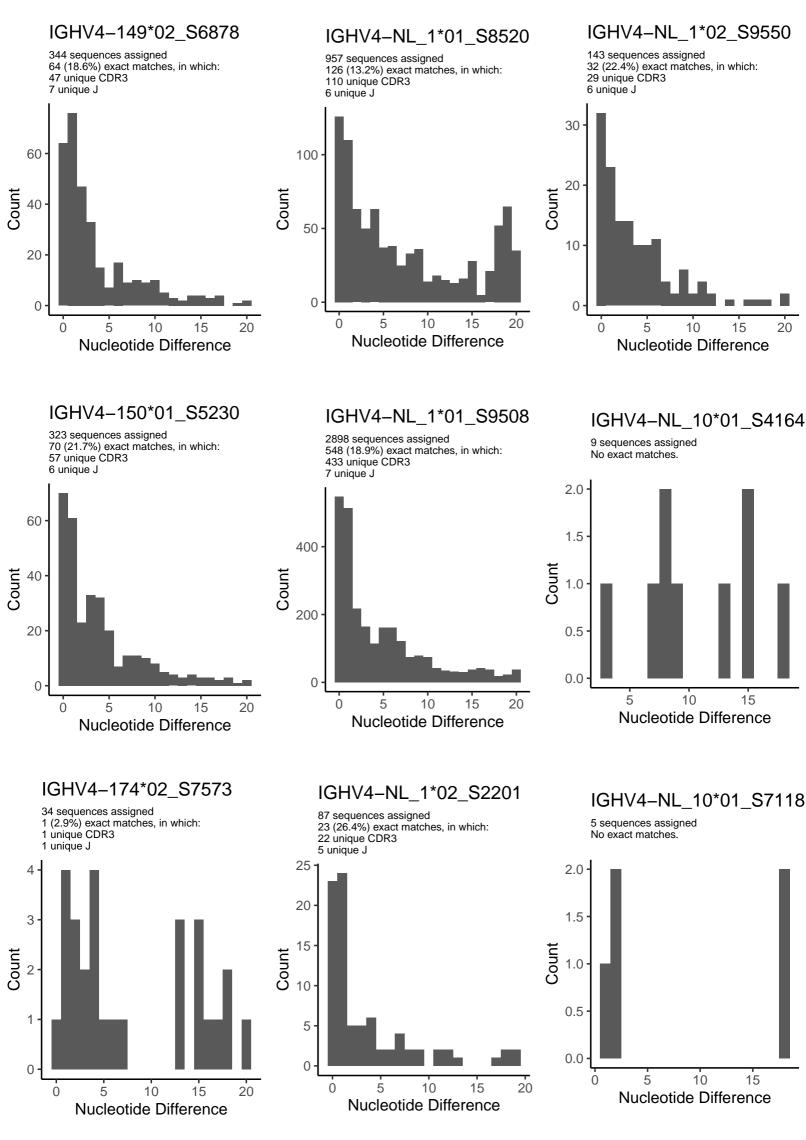


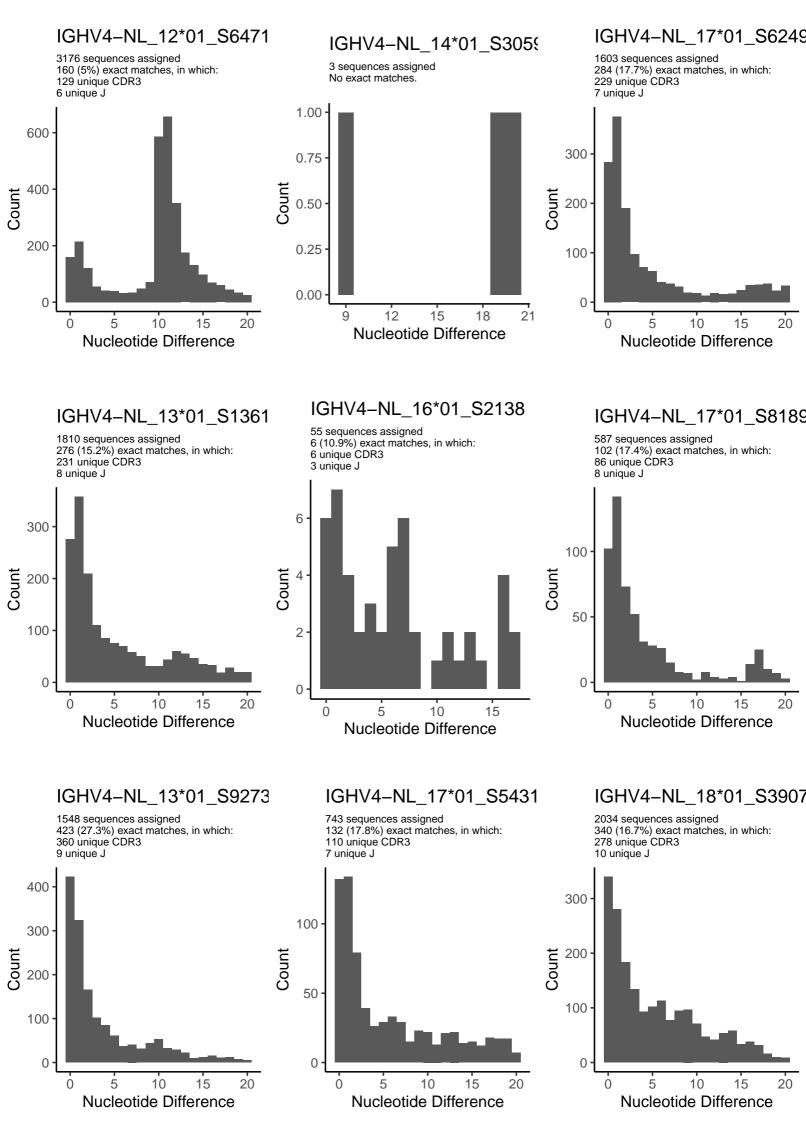


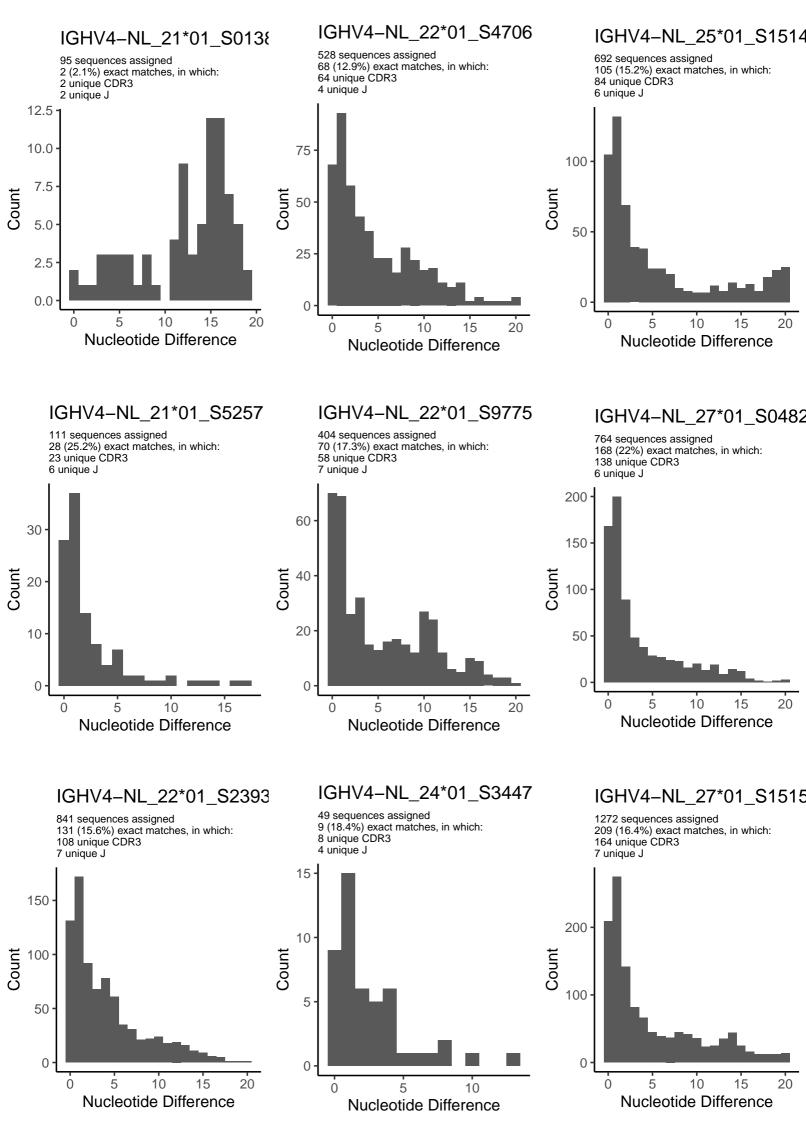


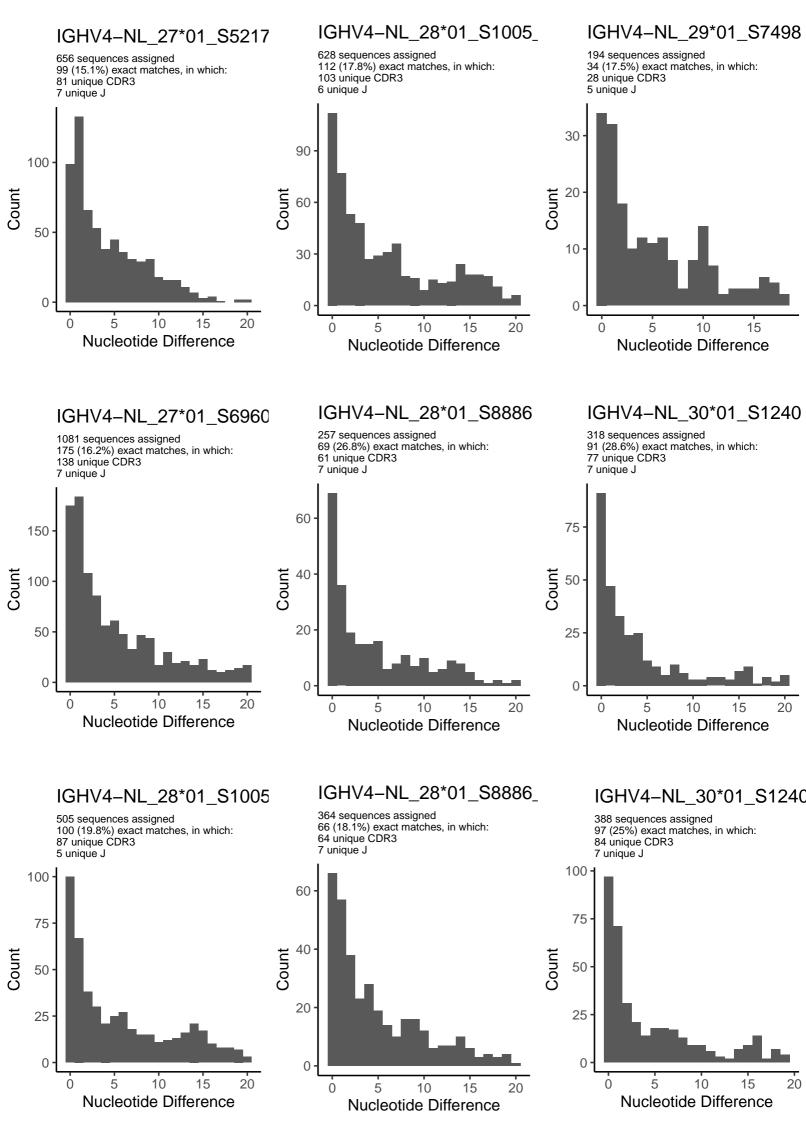


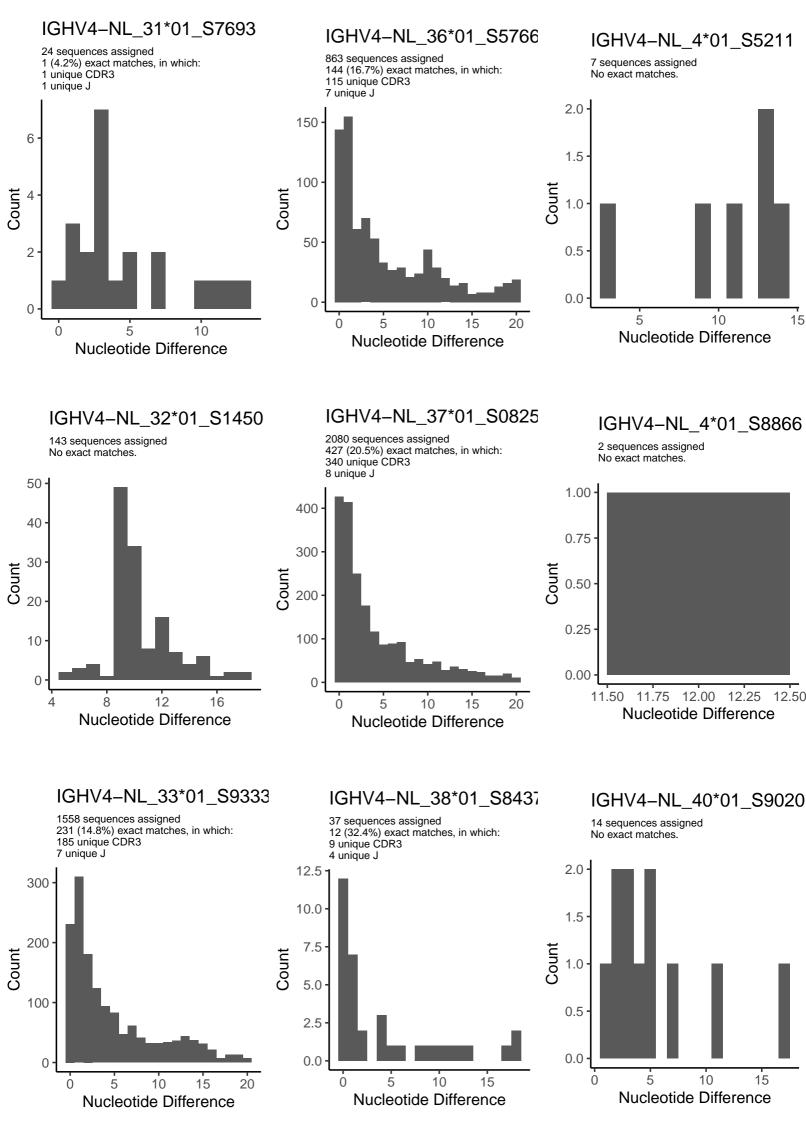


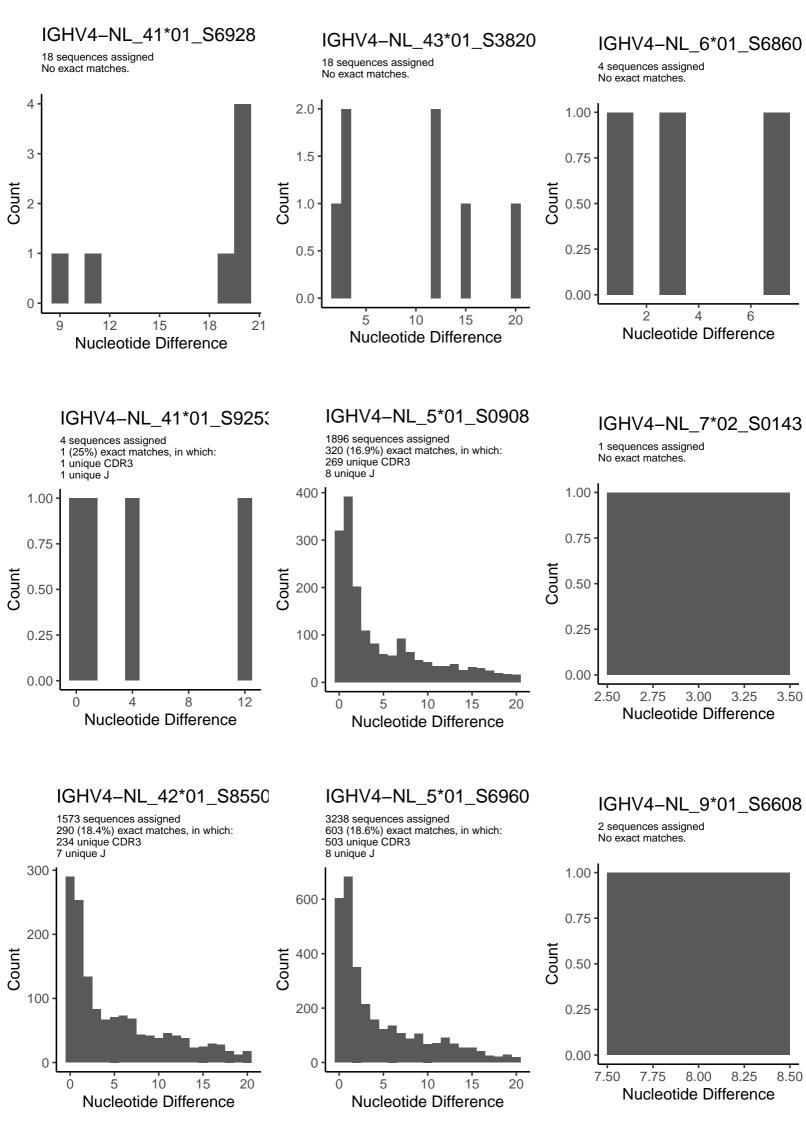


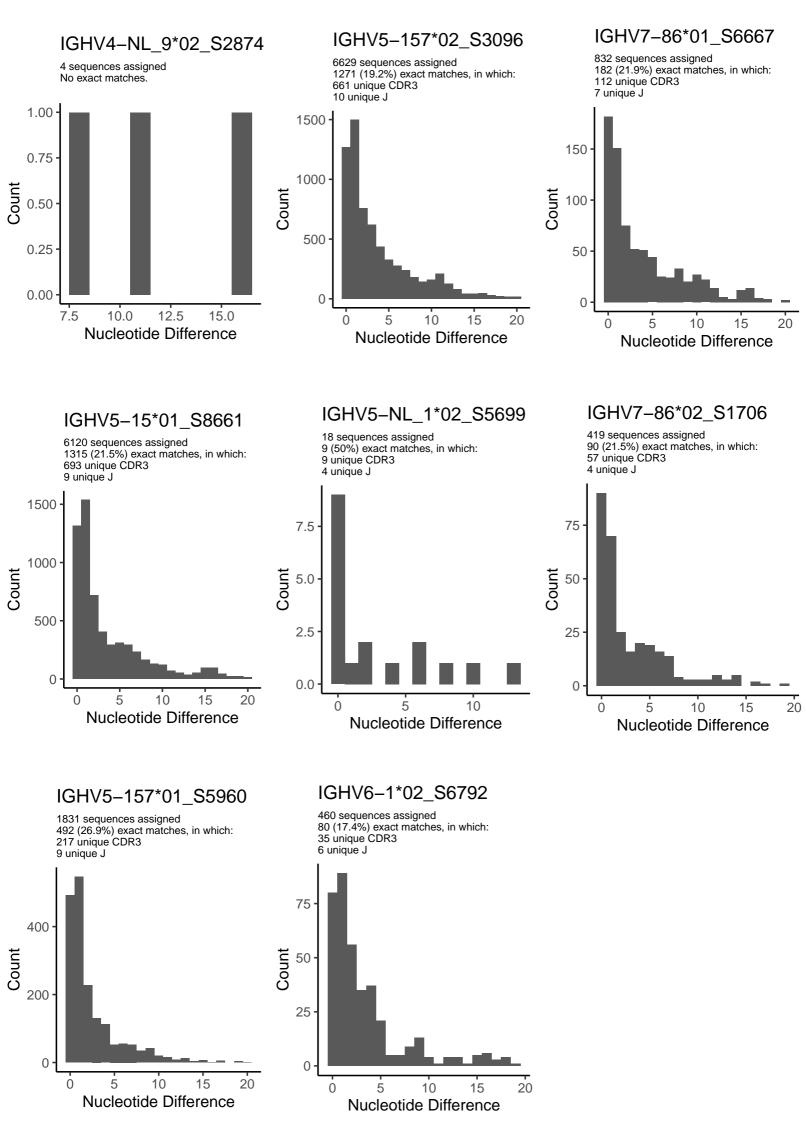


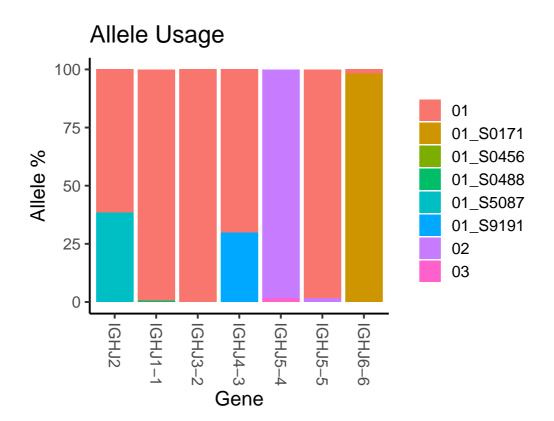












## Sequence Count by IGHJ2 allele usage



## Sequence Count by IGHJ4-3 allele usage

