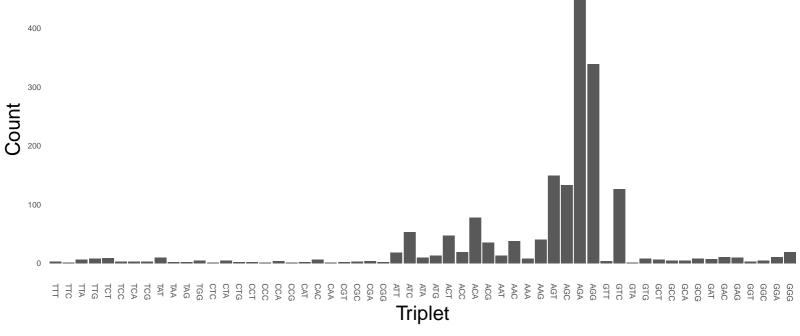
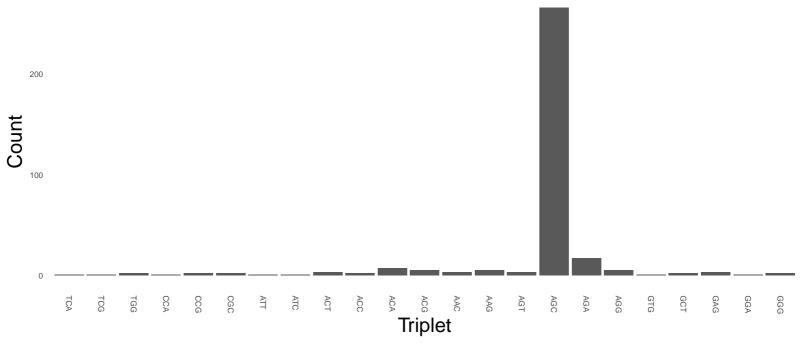
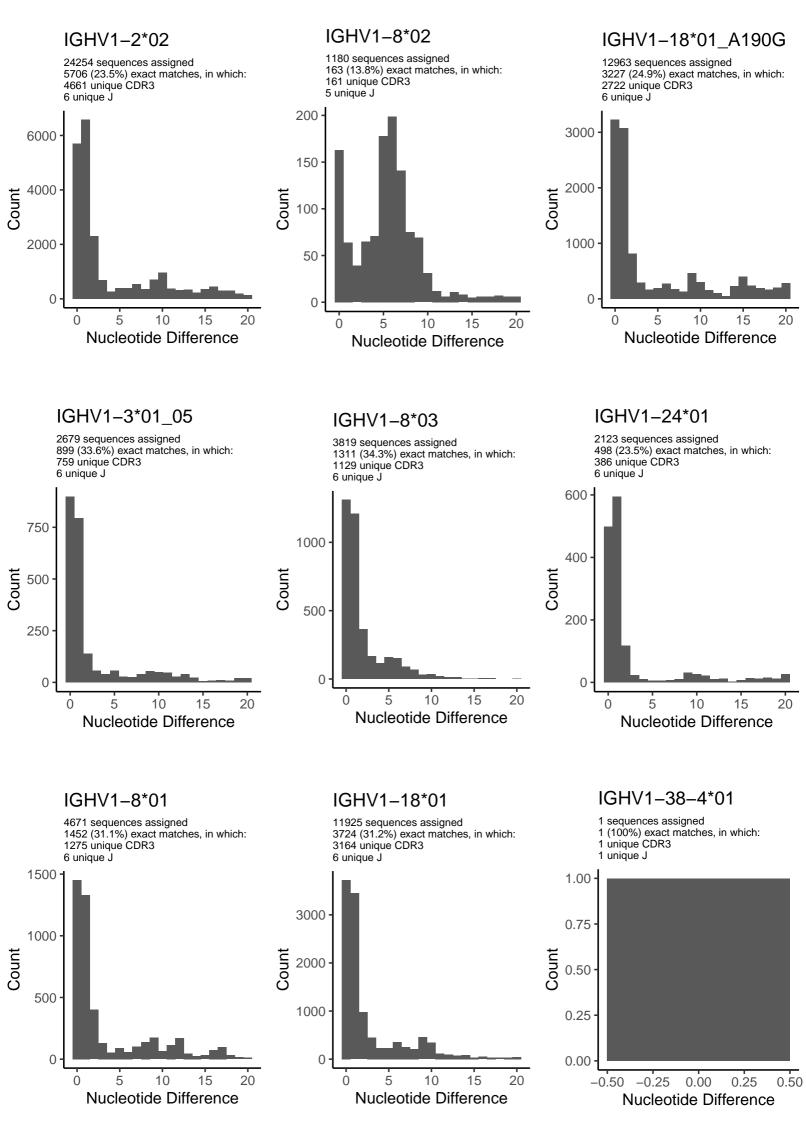


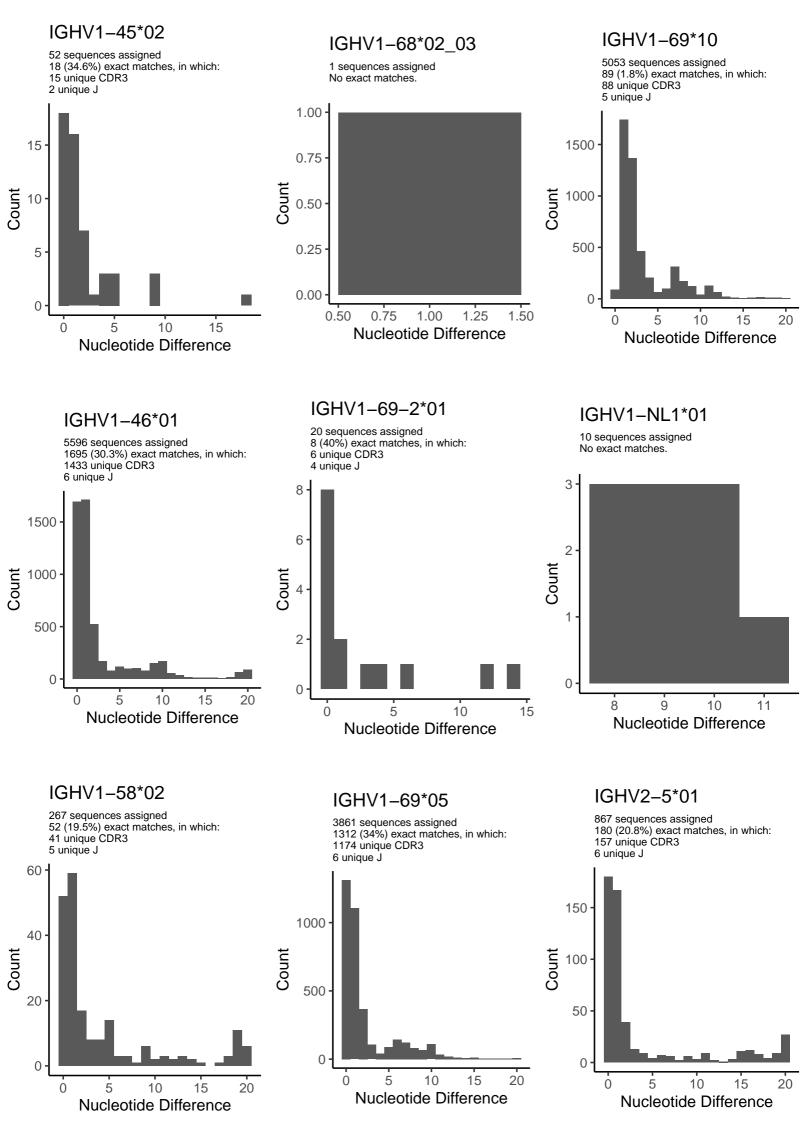
IGHV4-31\*02\_C198T- Final 3 nucleotides as a triplet

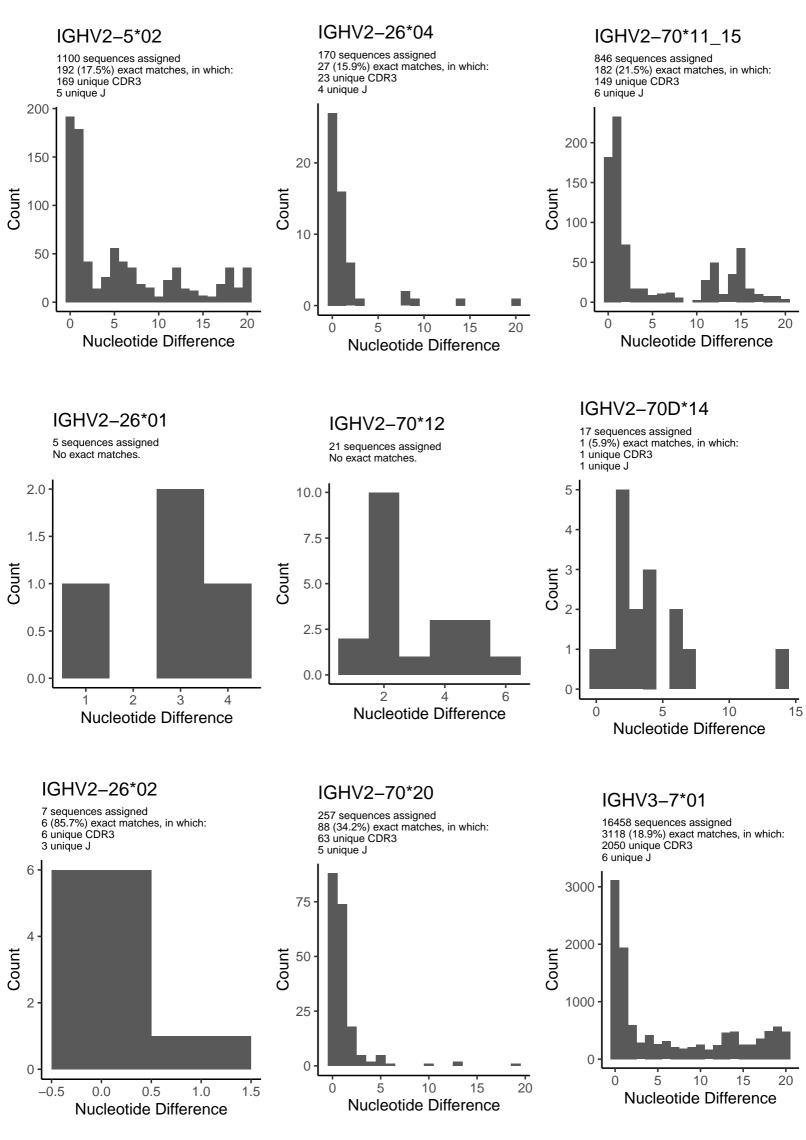


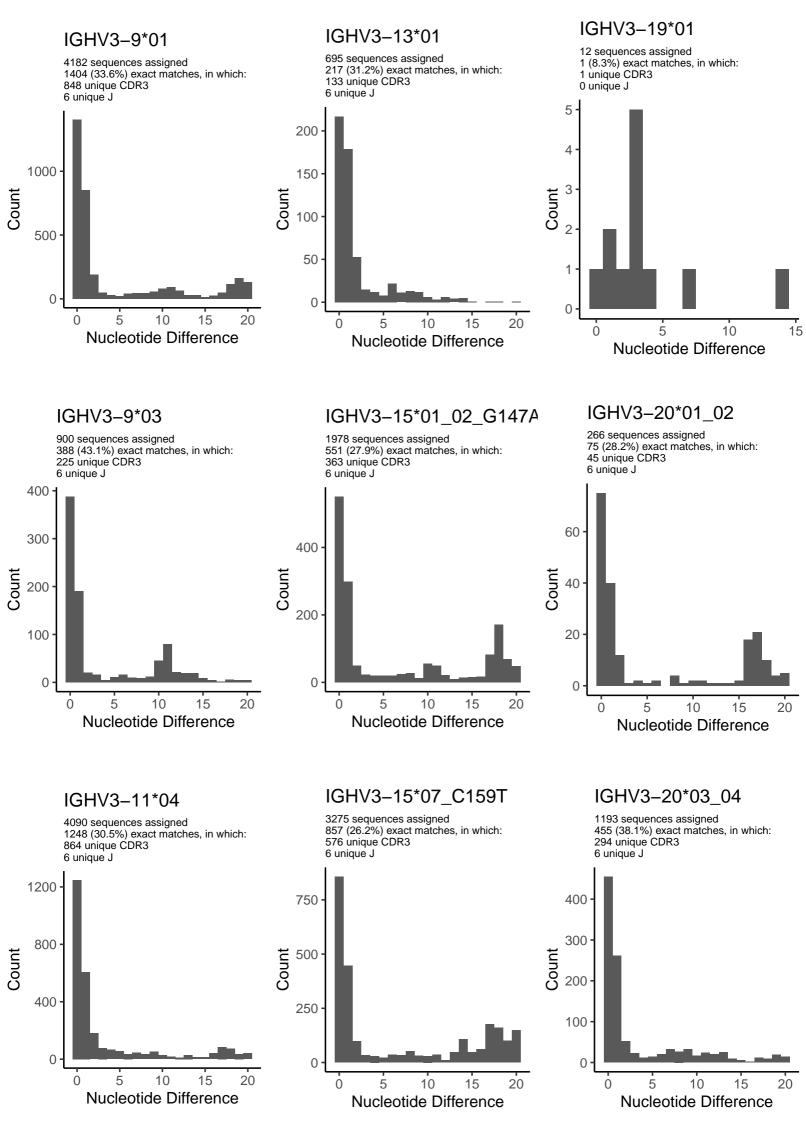
IGHV6-1\*01\_02\_A315G- Final 3 nucleotides as a triplet

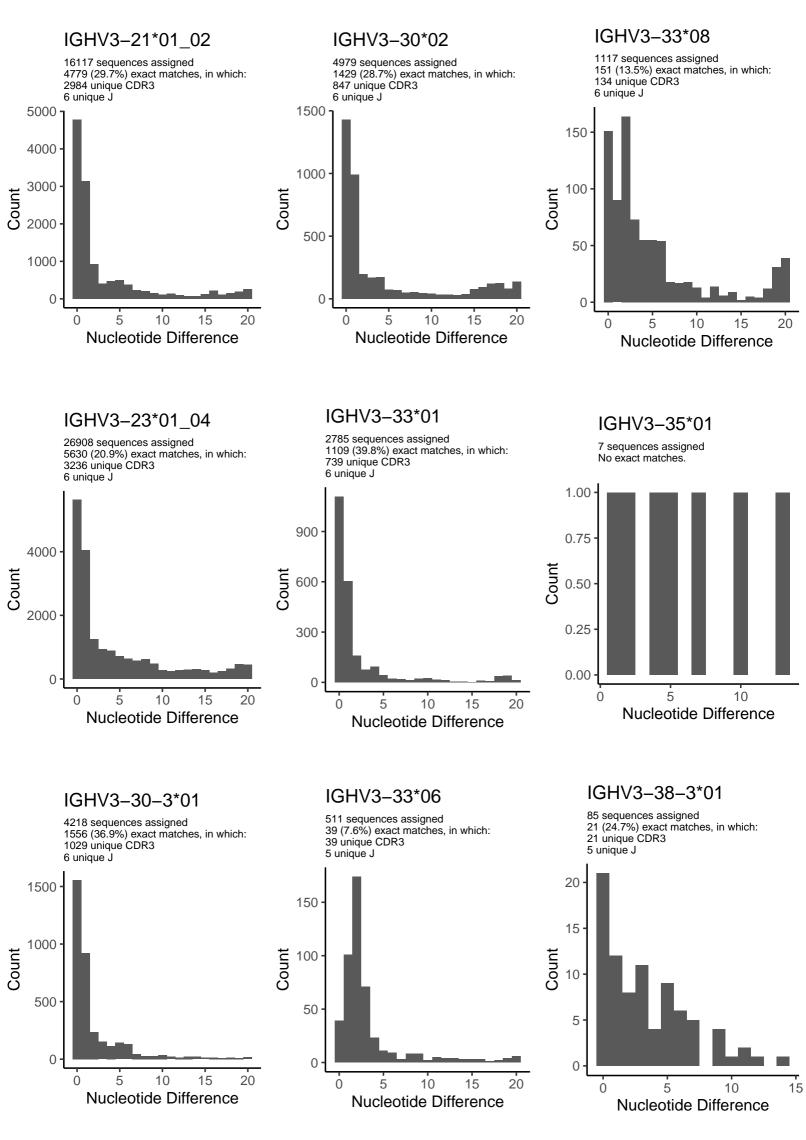


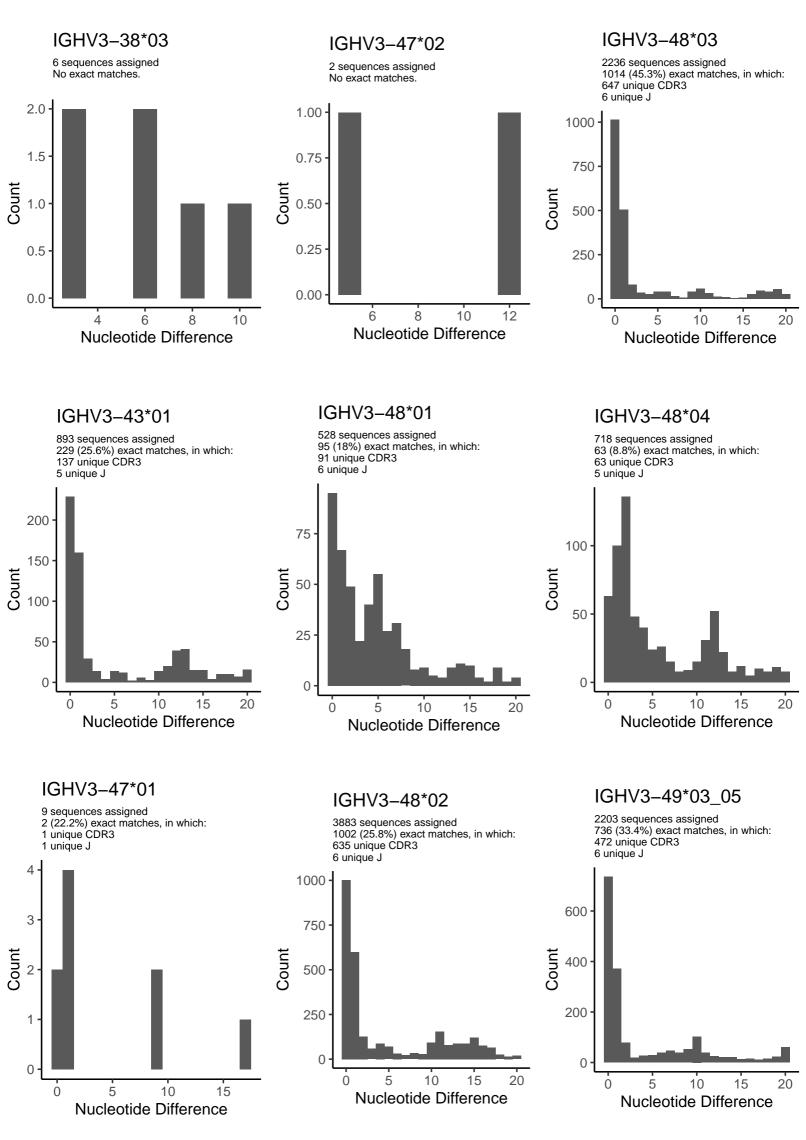


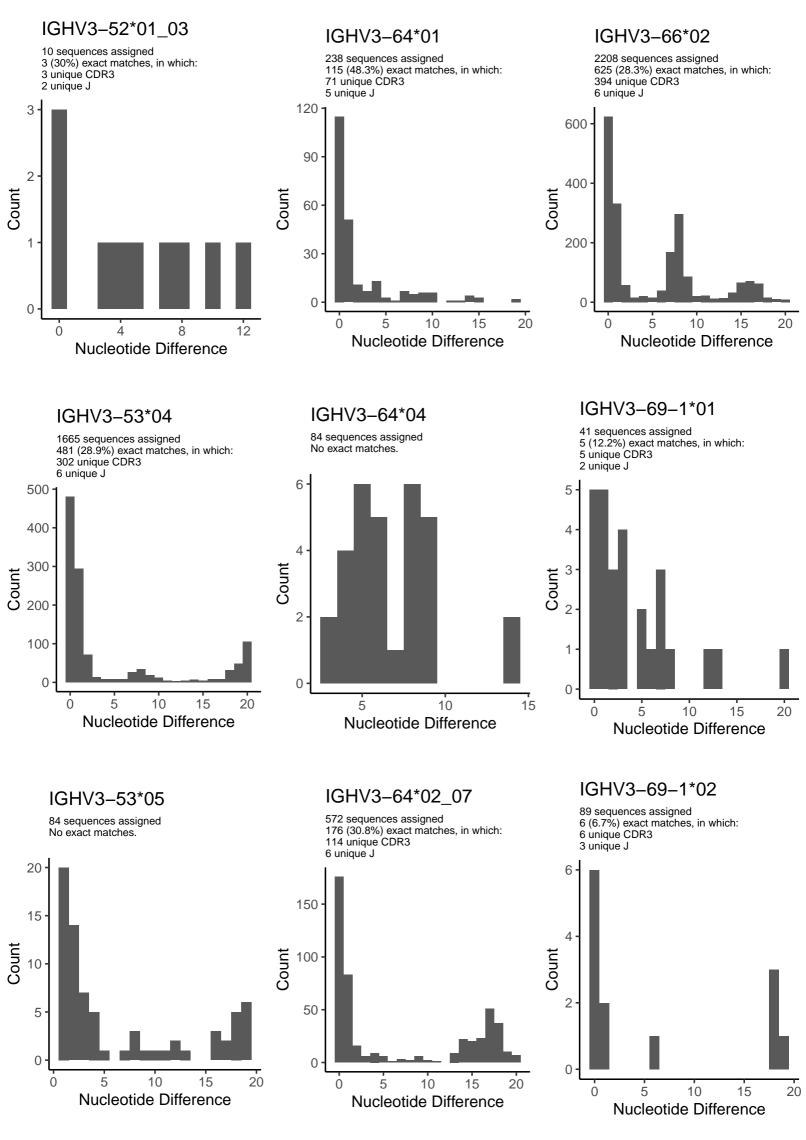


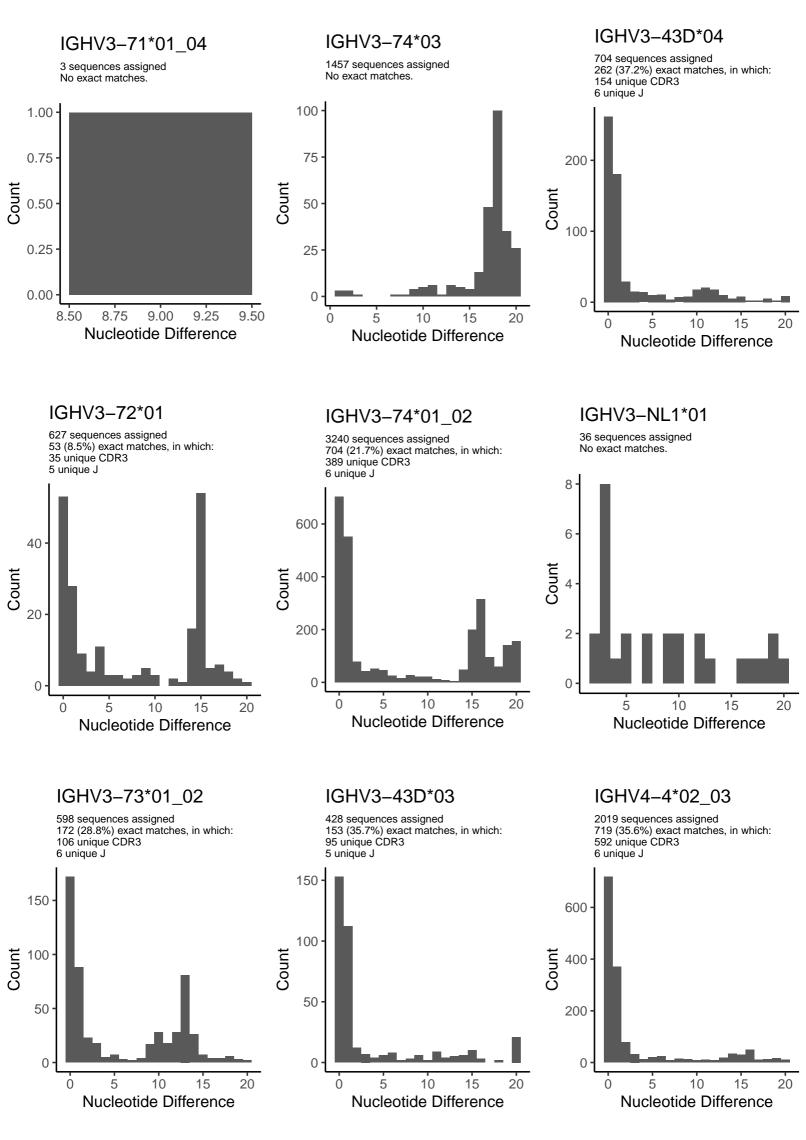


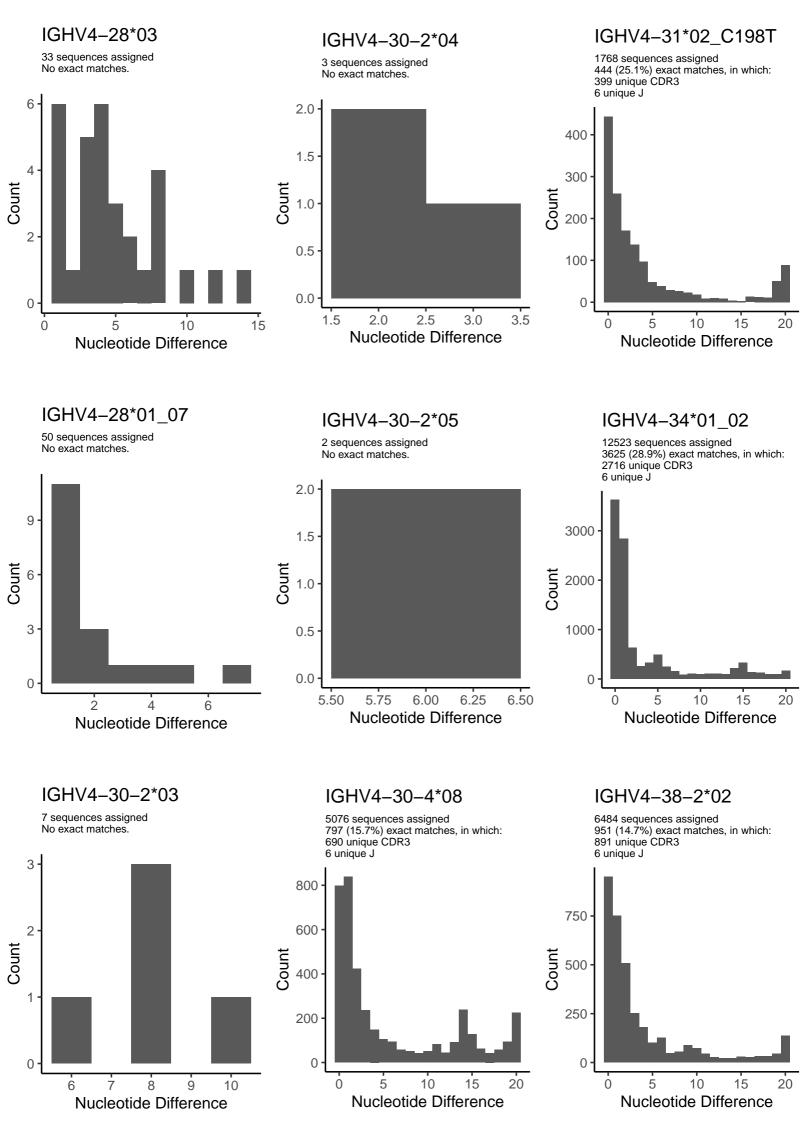


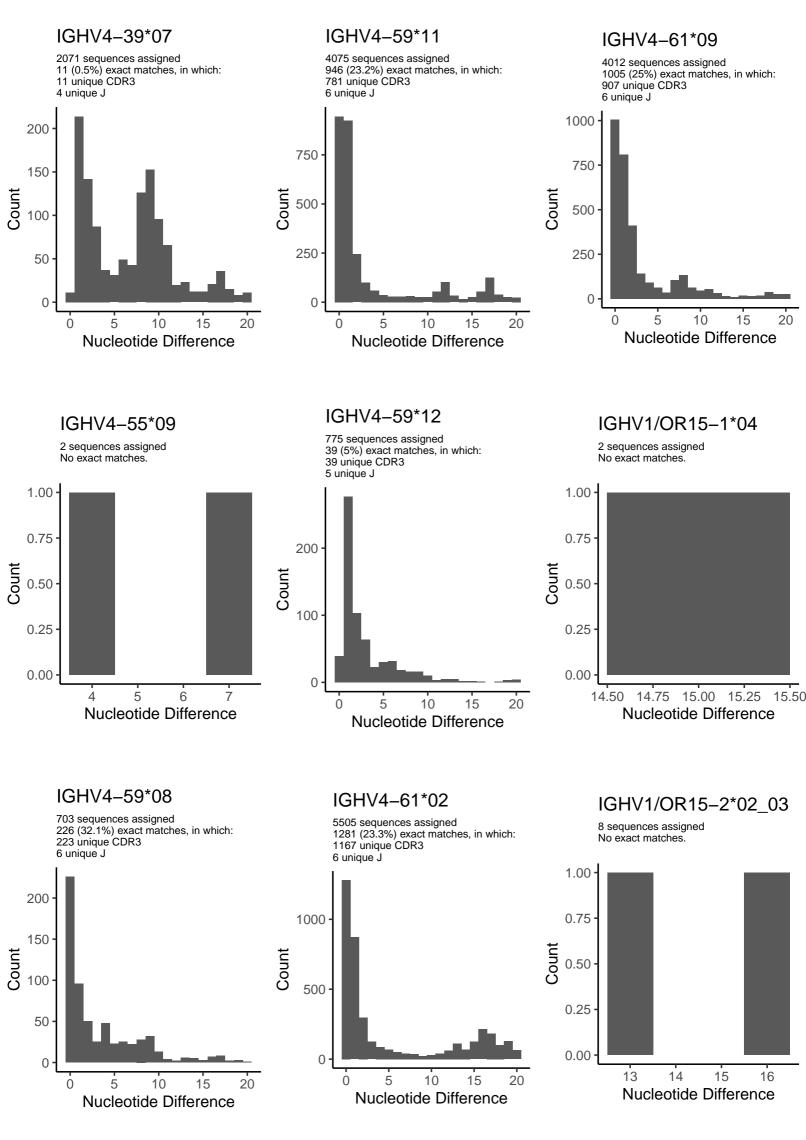


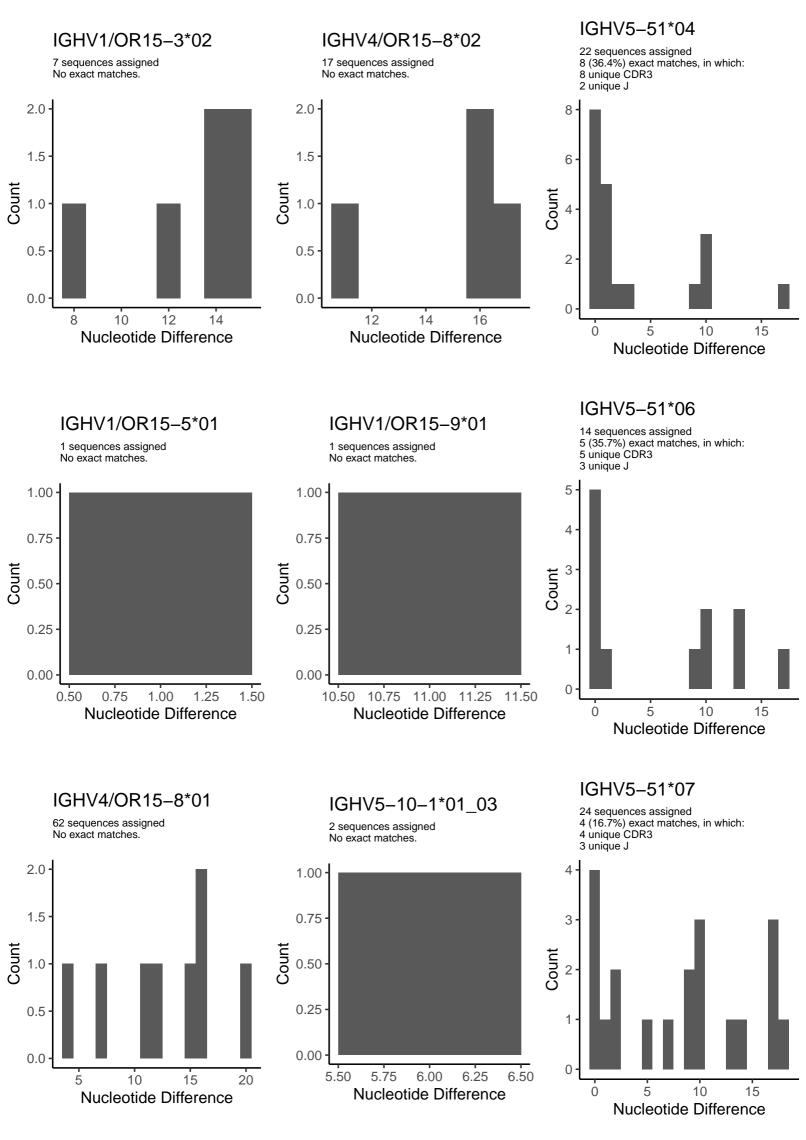










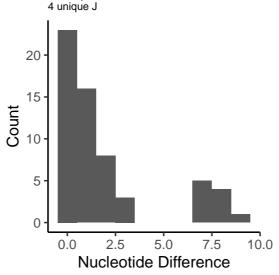


# 1439 sequences assigned 205 (14.2%) exact matches, in which: 179 unique CDR3 5 unique J 200 100 5 10 15 20 Nucleotide Difference

IGHV6-1\*01\_02

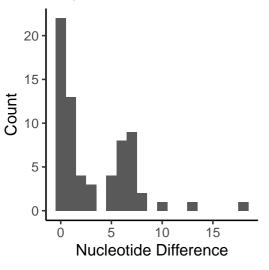
# IGHV7-4-1\*01

60 sequences assigned 23 (38.3%) exact matches, in which: 16 unique CDR3



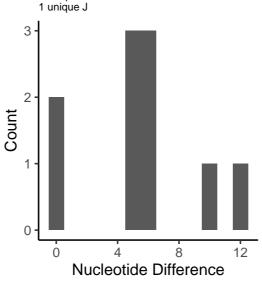
# IGHV6-1\*01\_02\_A315G

336 sequences assigned 22 (6.5%) exact matches, in which: 22 unique CDR3 5 unique J



## IGHV7-4-1\*02

10 sequences assigned 2 (20%) exact matches, in which: 2 unique CDR3



### IGHV3/OR16-9\*01

1 sequences assigned No exact matches.

