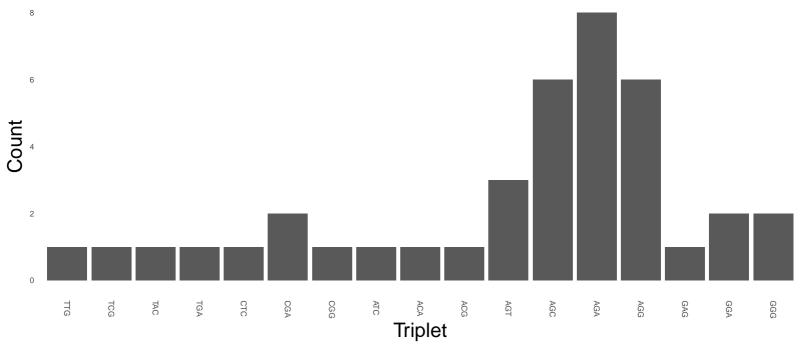
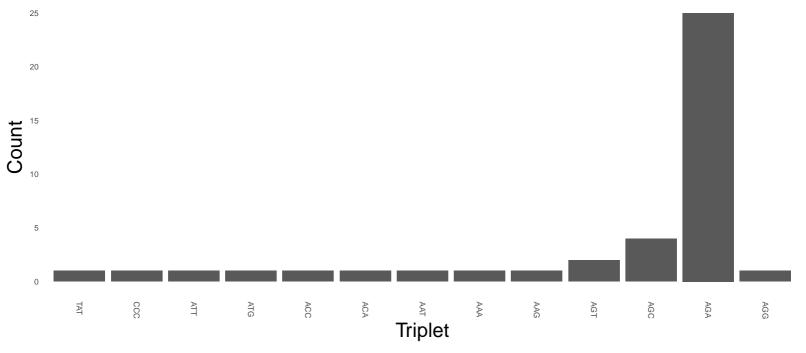




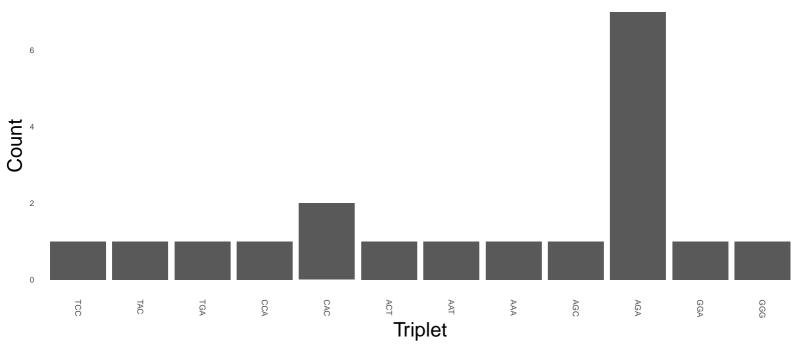
IGHV1-69\*01\_C26T- Final 3 nucleotides as a triplet



IGHV3-30\*02\_G49A- Final 3 nucleotides as a triplet



IGHV3-53\*02\_G88A- Final 3 nucleotides as a triplet



IGHV4-39\*07\_C288A- Final 3 nucleotides as a triplet

40

20

Triplet

AGT

AGC

AGA

AGG

ПС

ATT

TGG

CGC

ATC

ATG

ACT

ACC

ACA

GCA

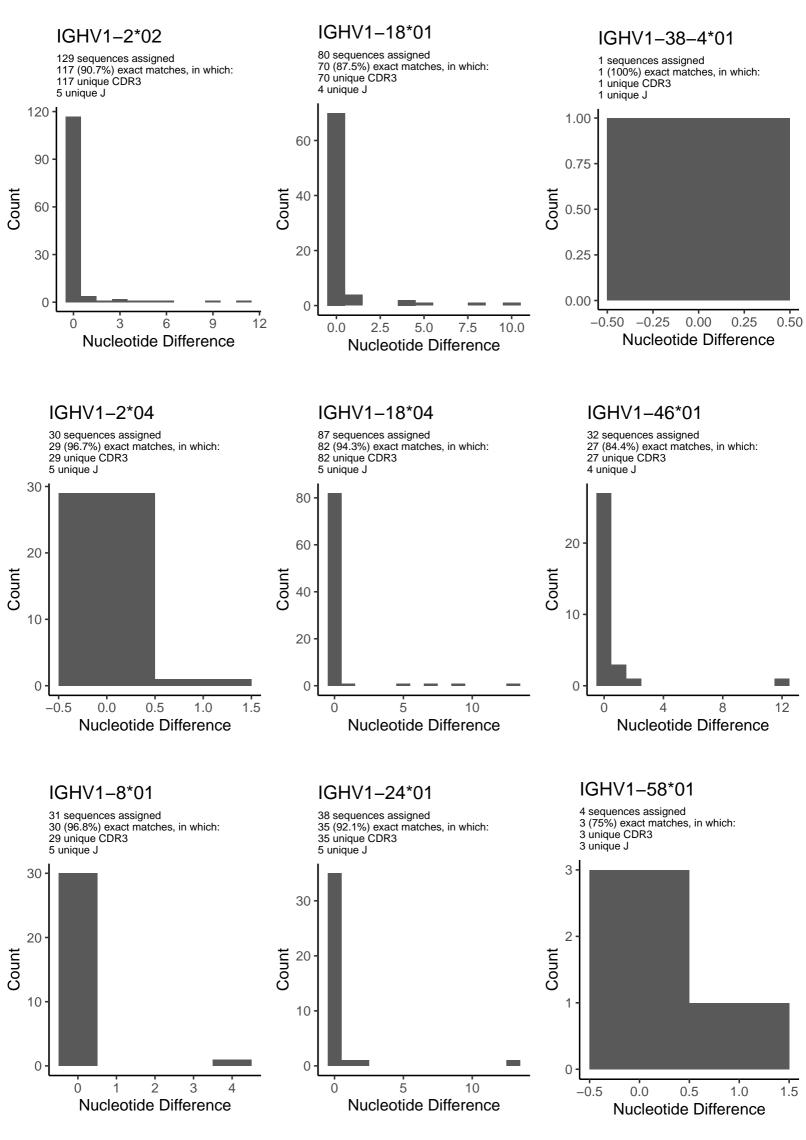
GAT

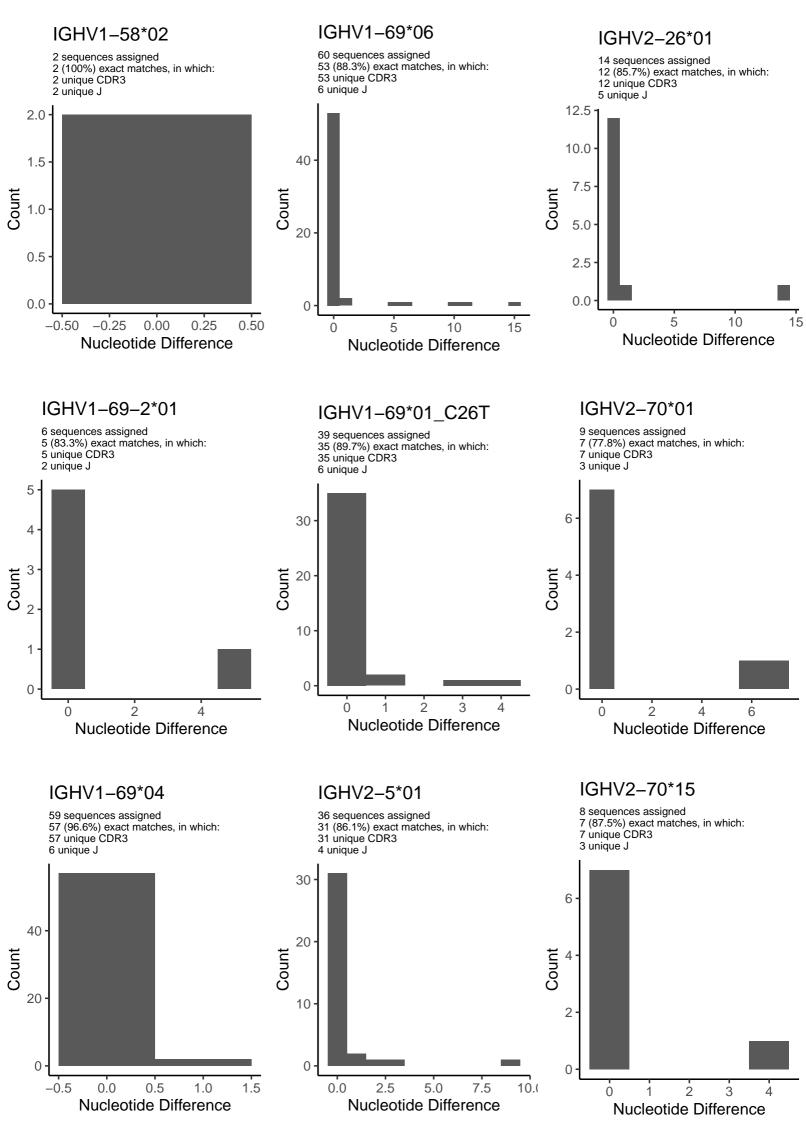
GAA

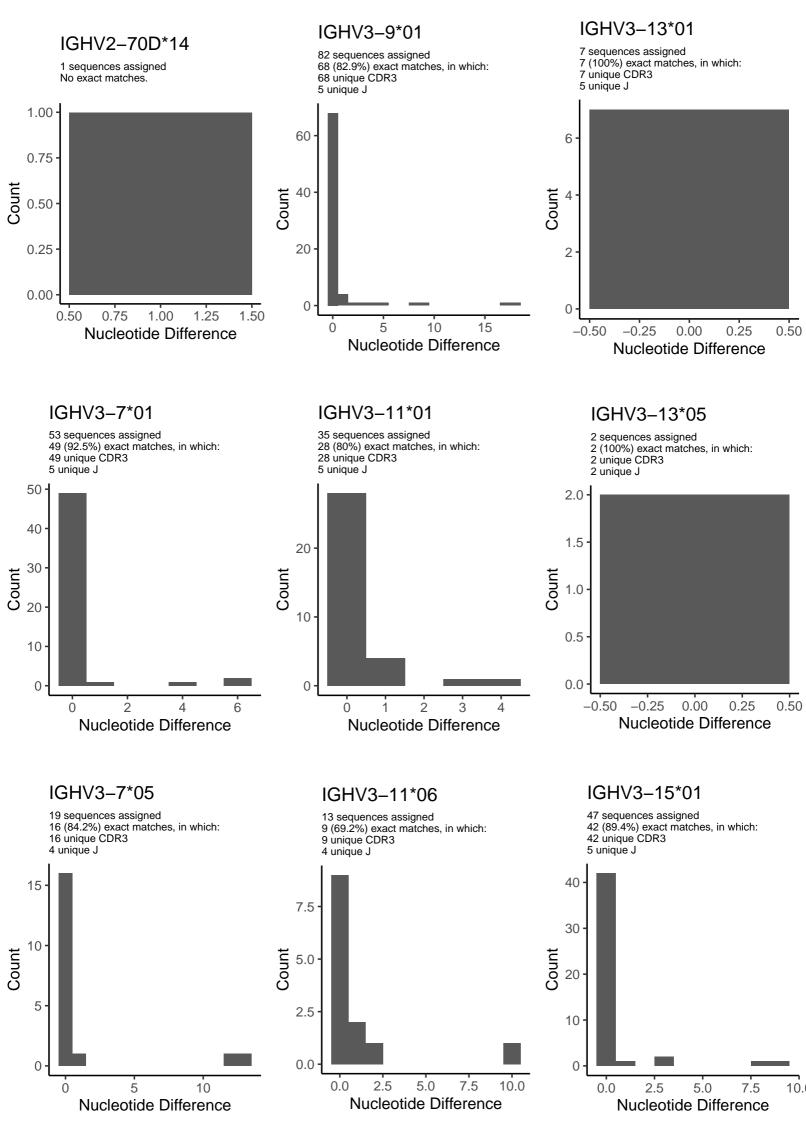
GGT

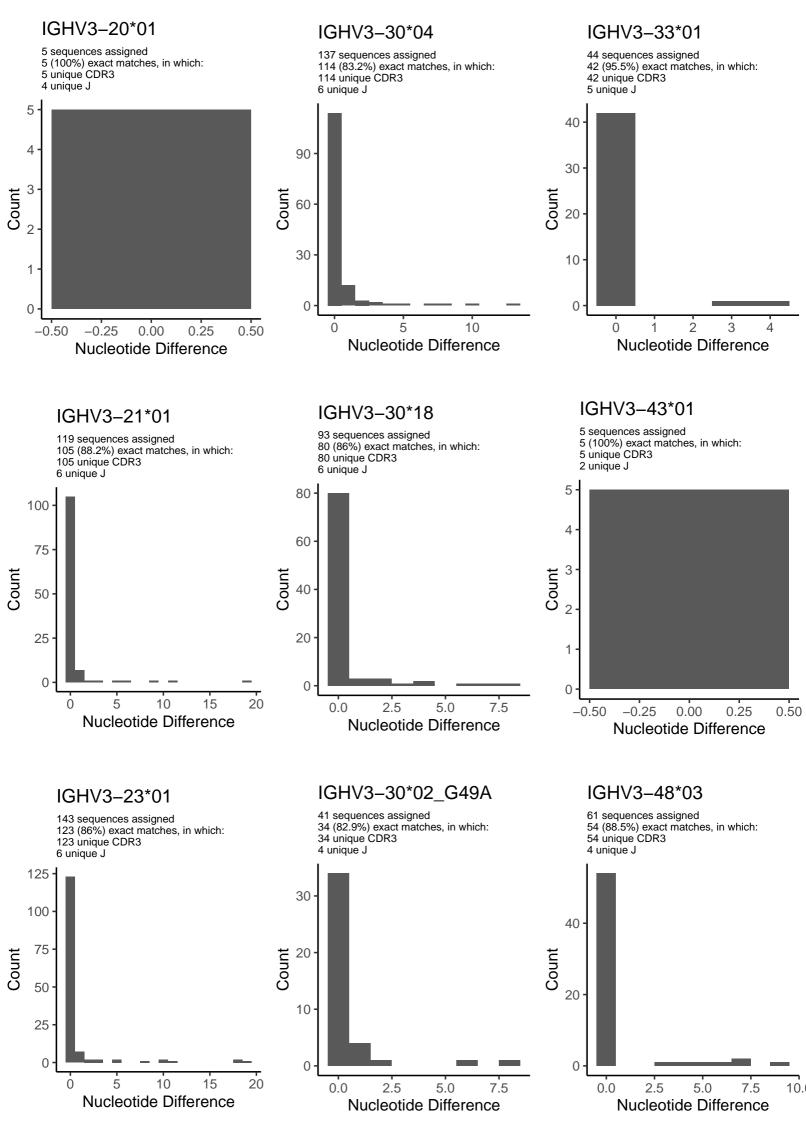
GGA

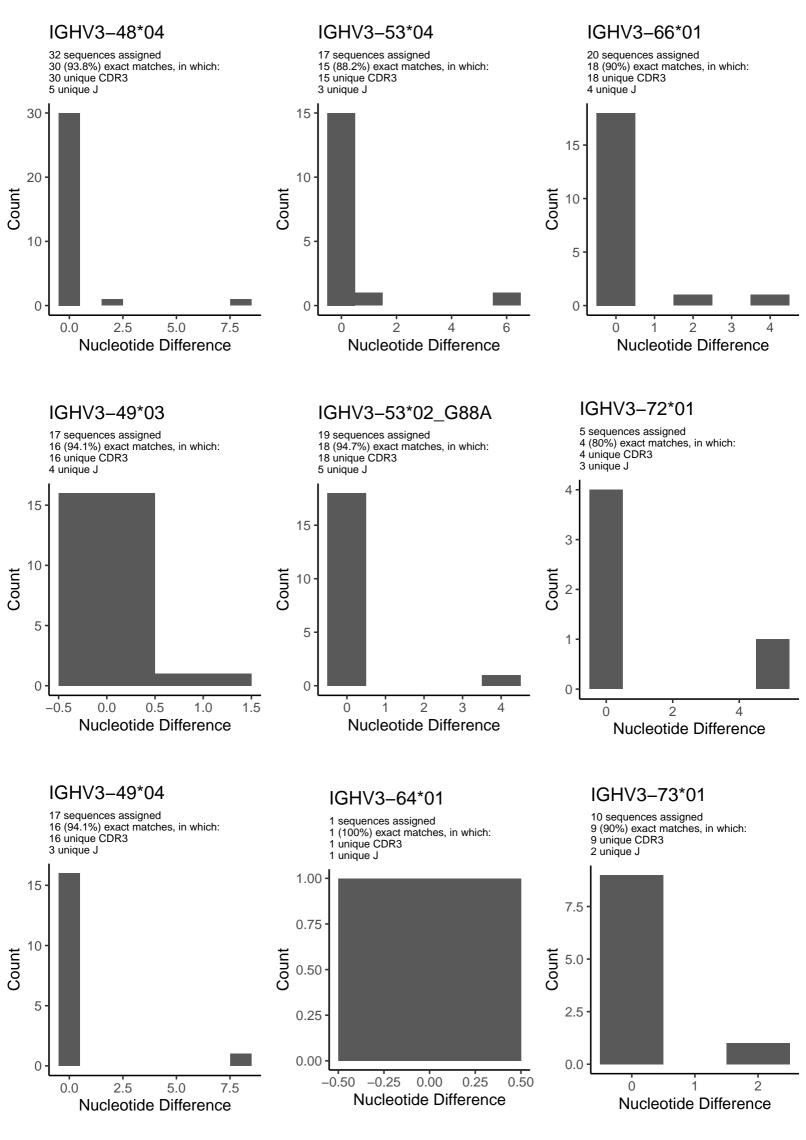
GGG

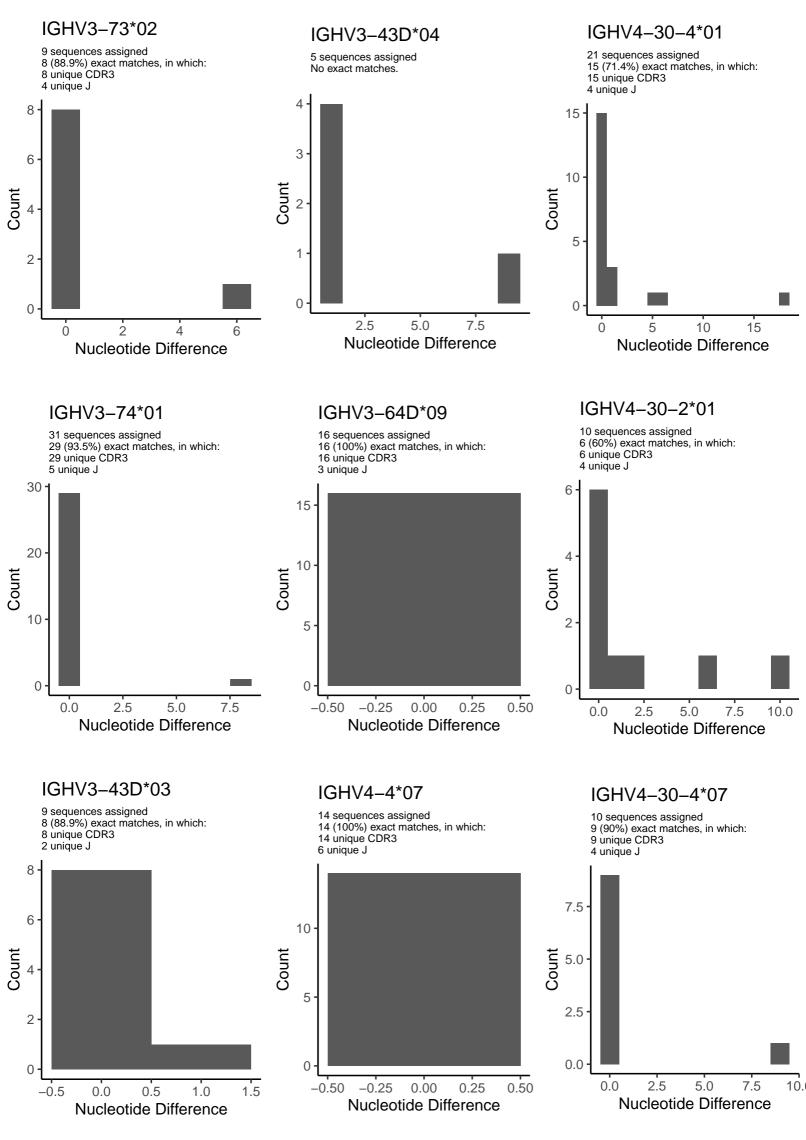


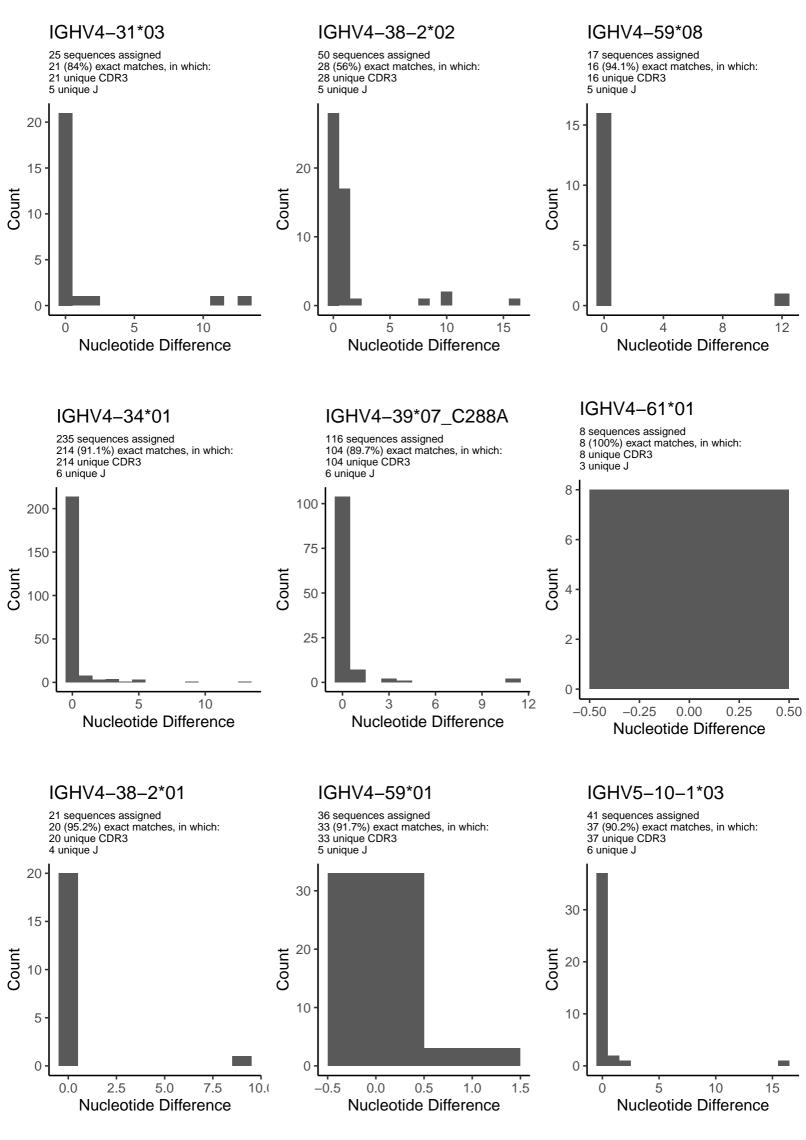






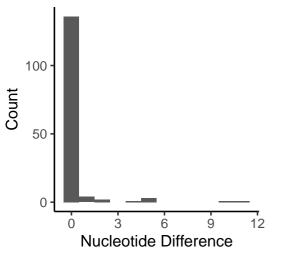






## IGHV5-51\*01

148 sequences assigned 136 (91.9%) exact matches, in which: 135 unique CDR3 6 unique J



## IGHV6-1\*01

39 sequences assigned 34 (87.2%) exact matches, in which: 34 unique CDR3 4 unique J

