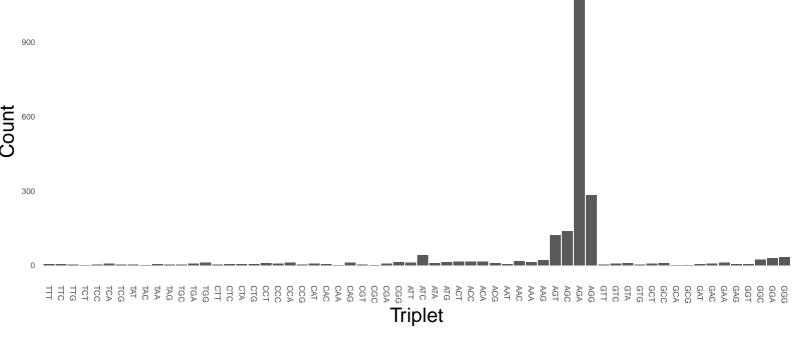
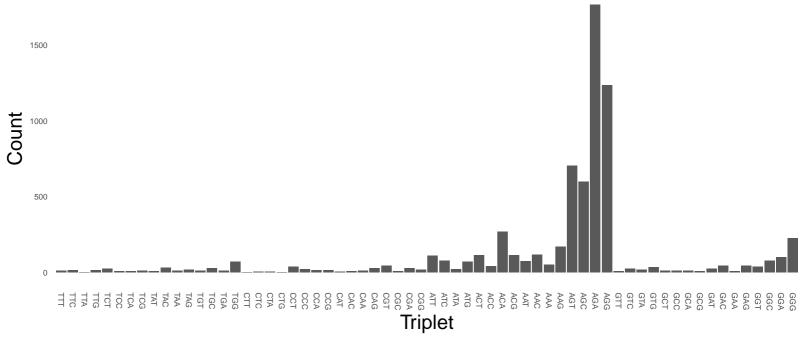
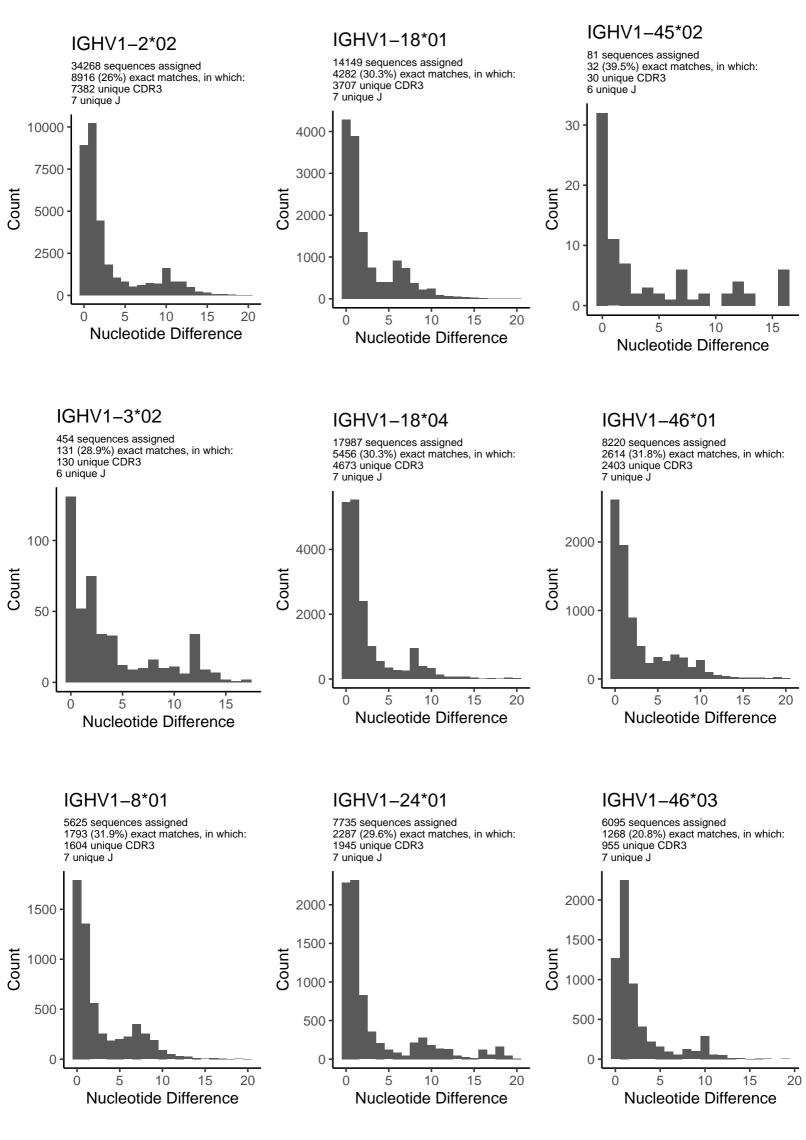


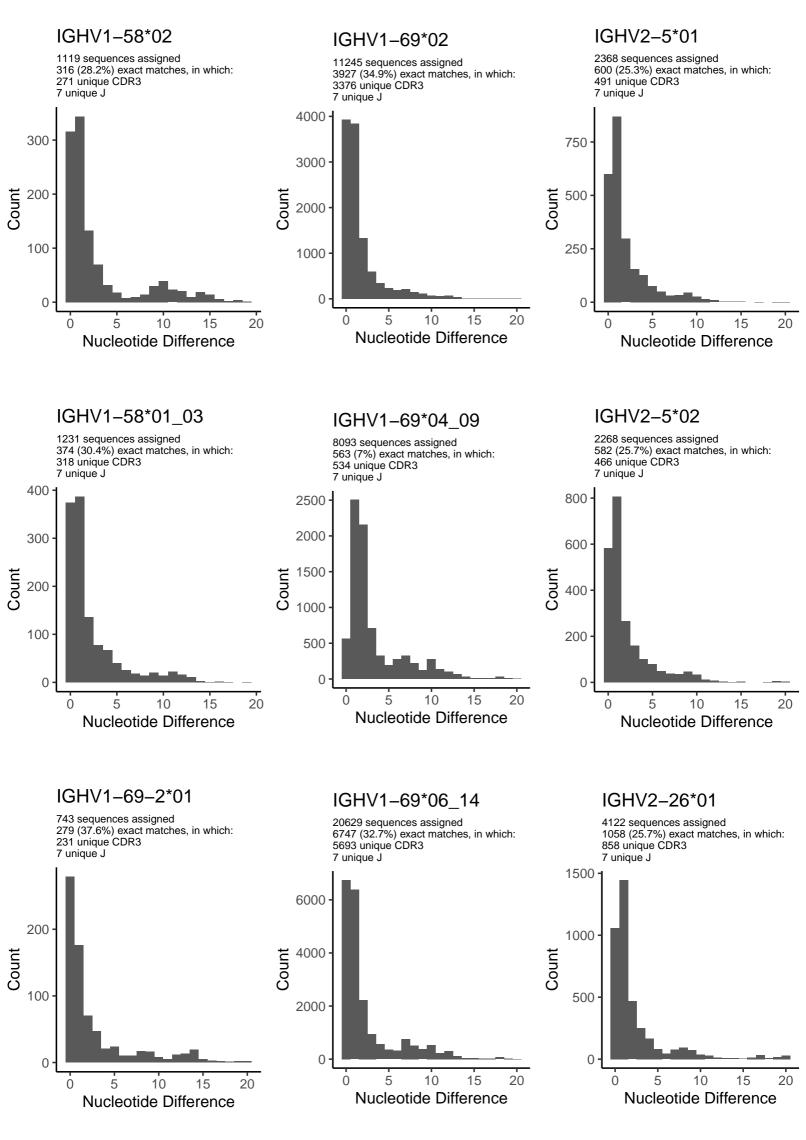
IGHV3-30\*03\_T288C- Final 3 nucleotides as a triplet

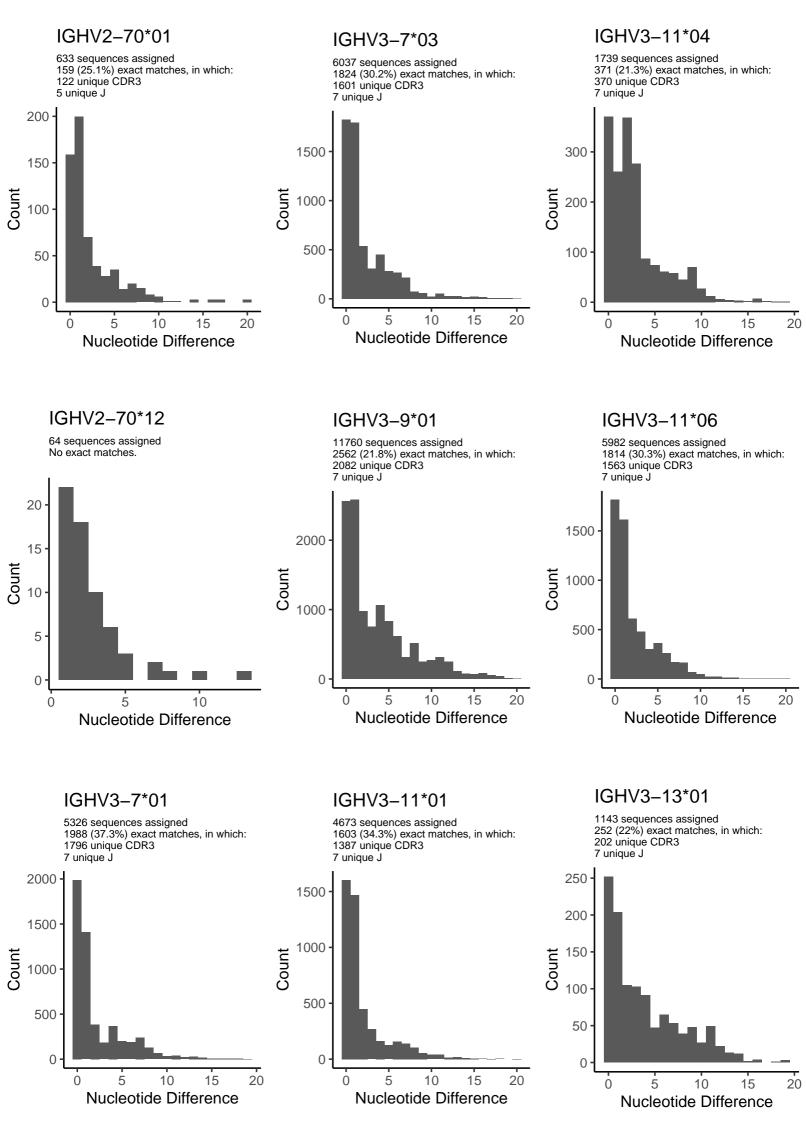


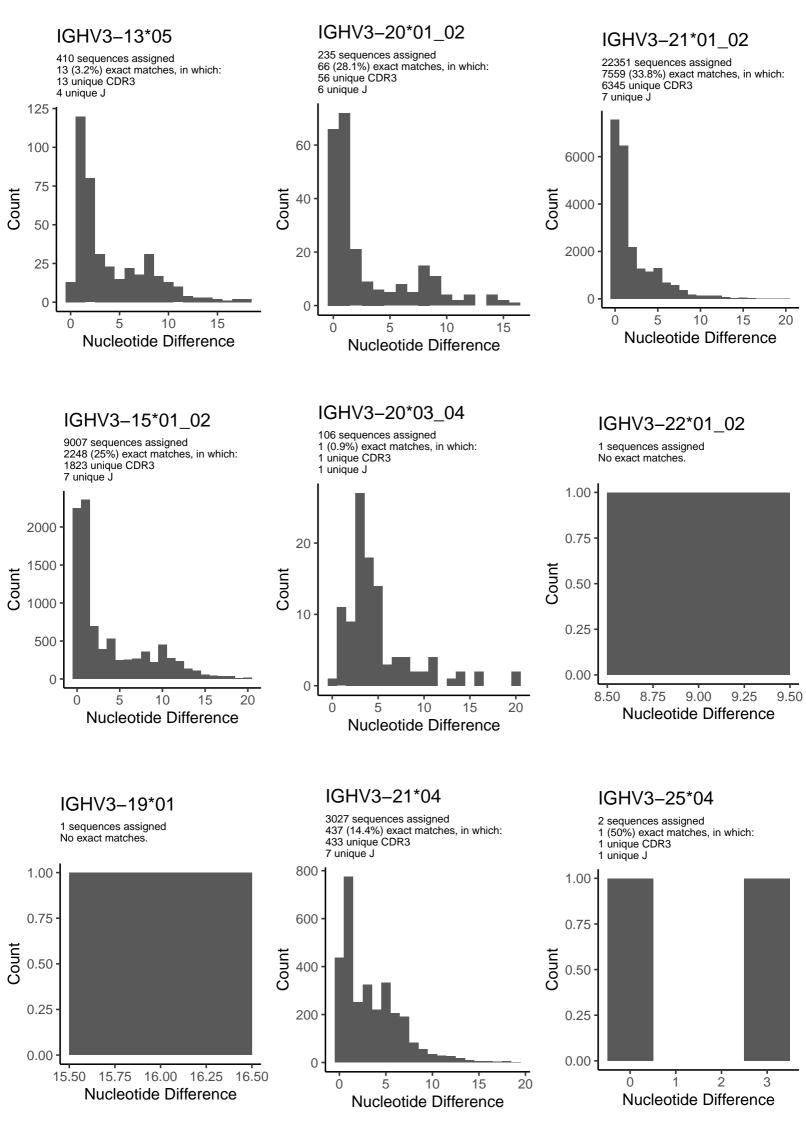
IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet

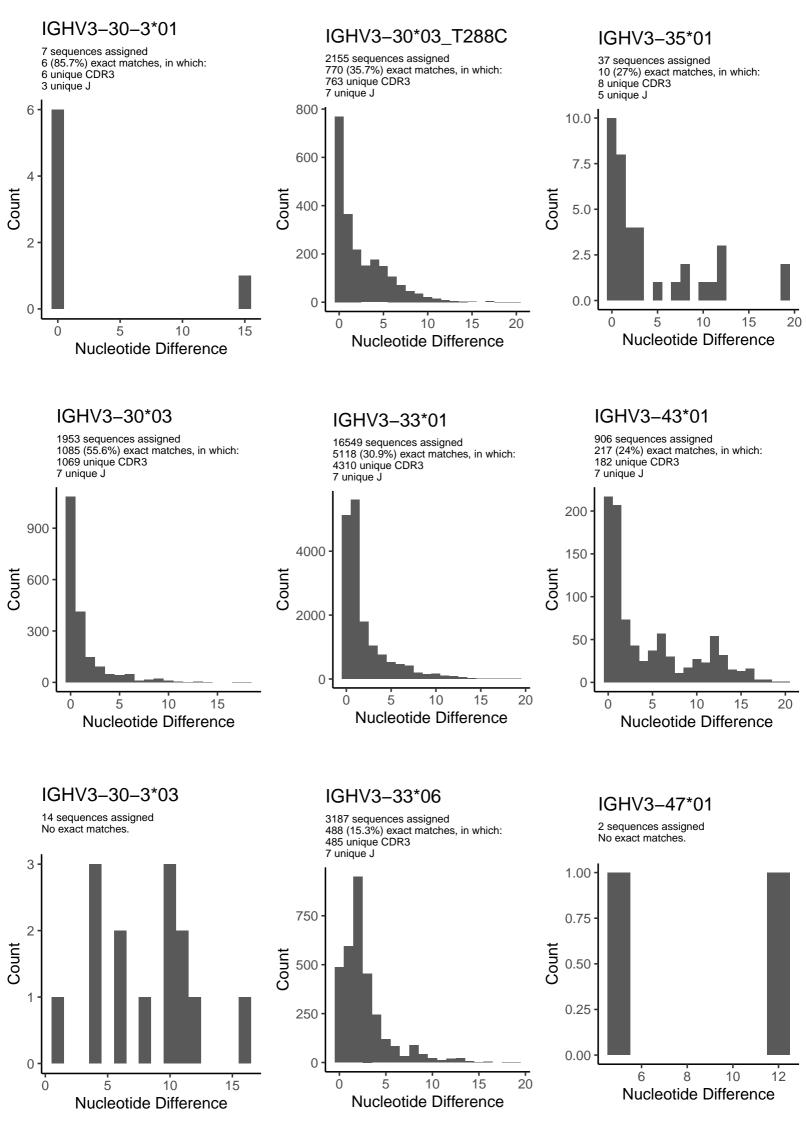


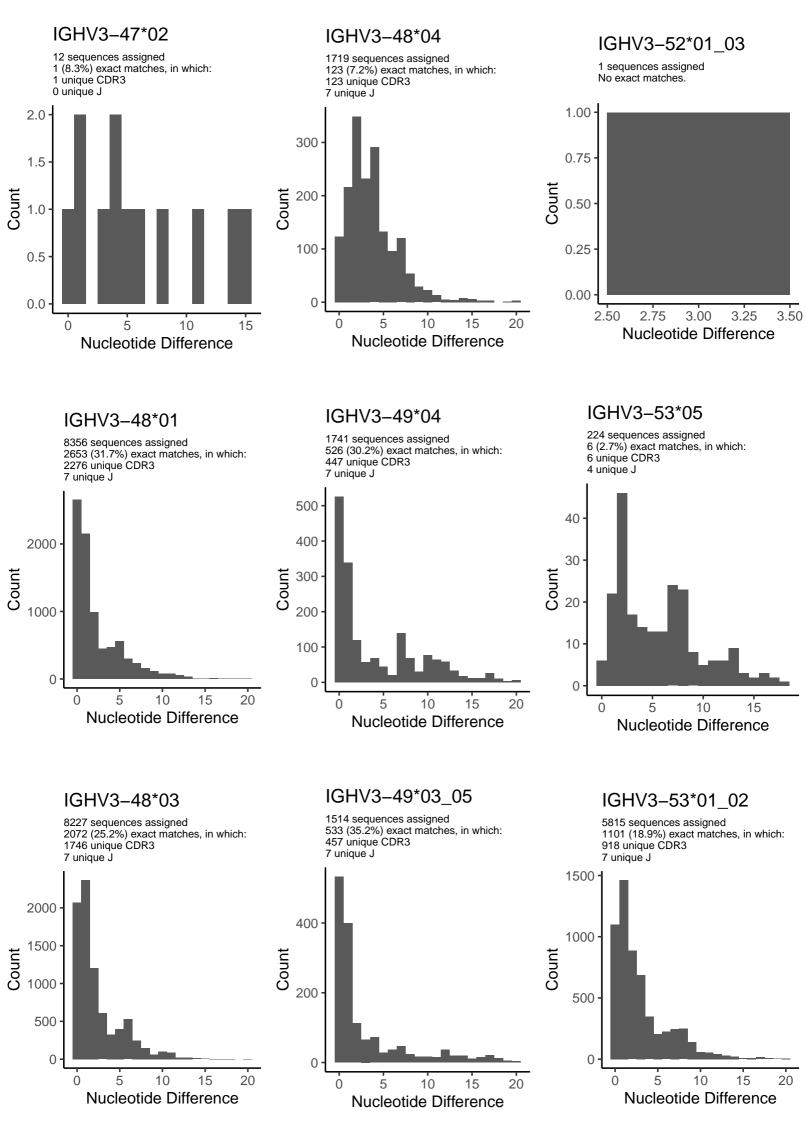


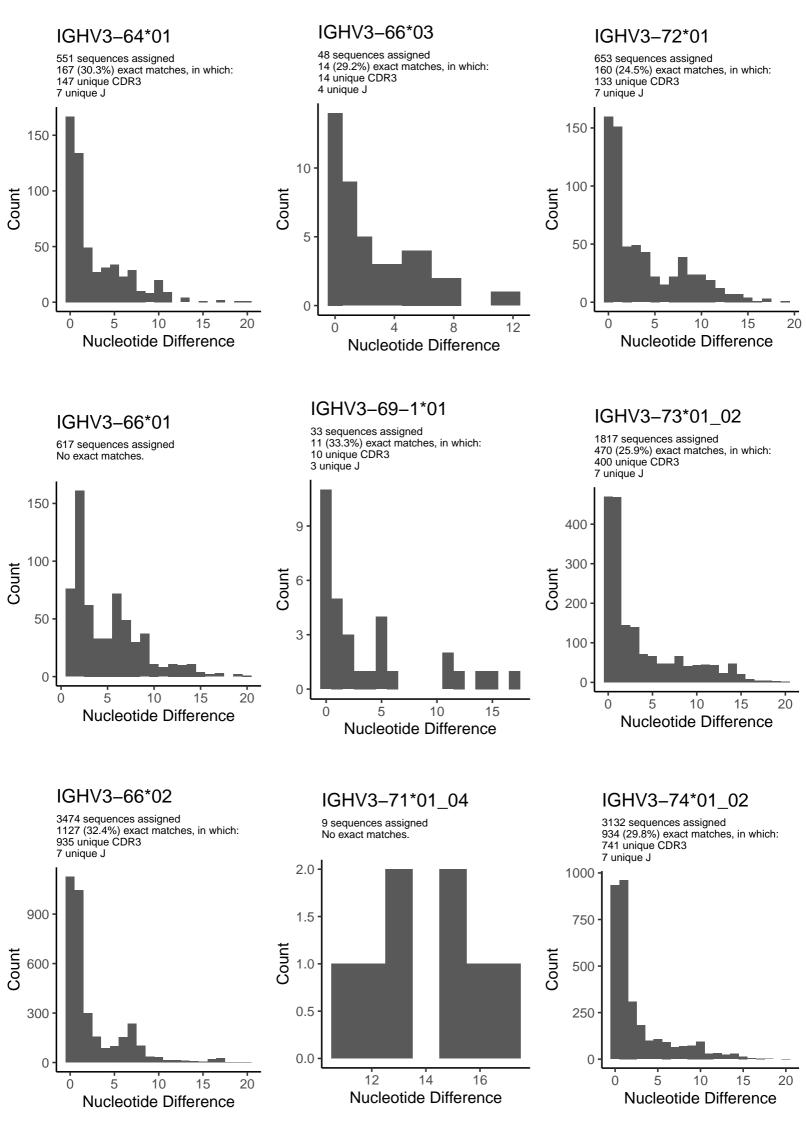


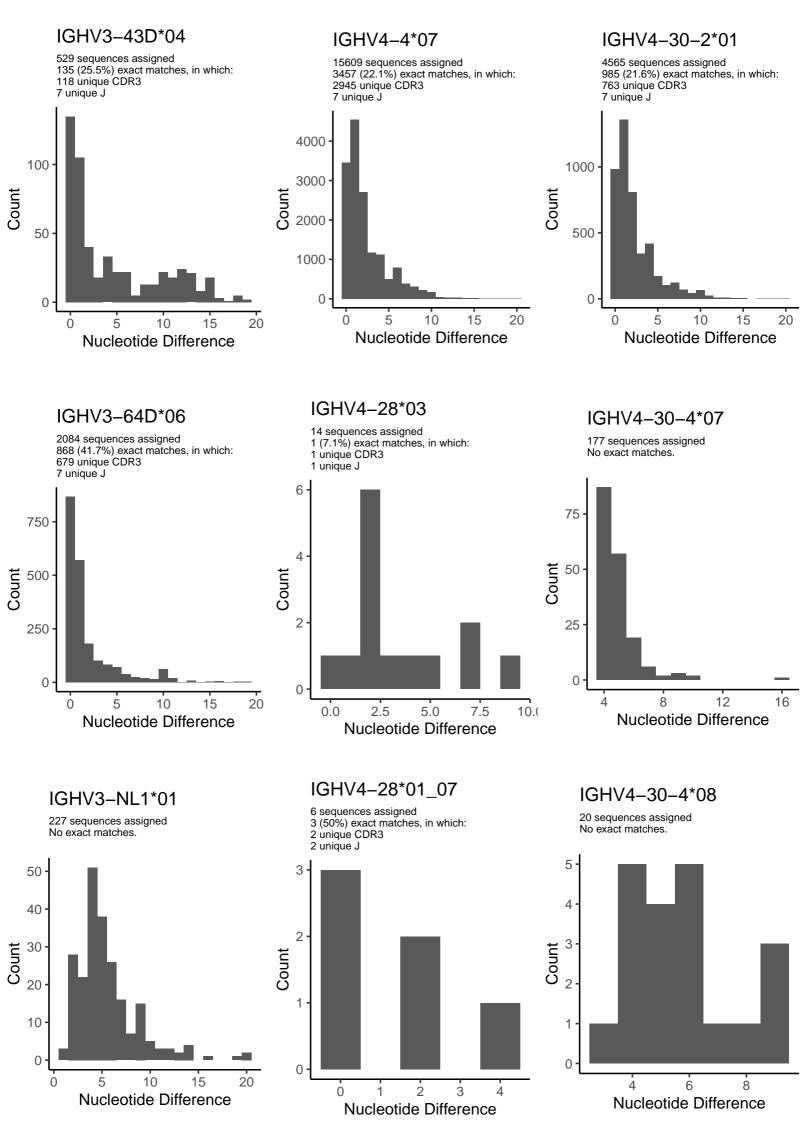


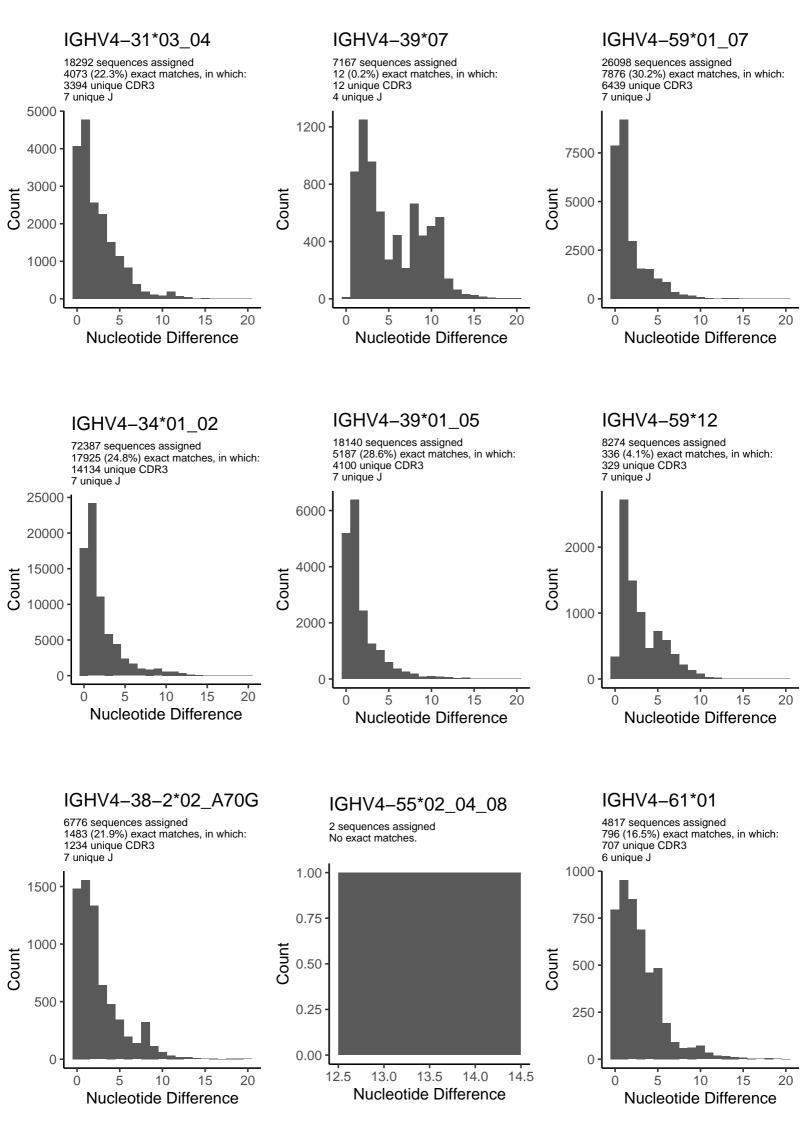








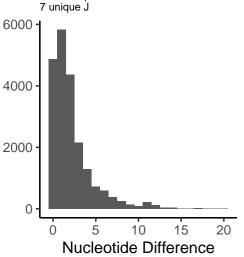




#### IGHV4-61\*02

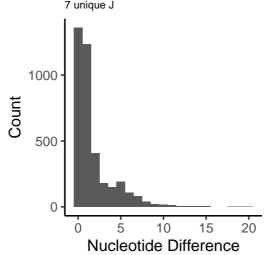
Count

21235 sequences assigned 4870 (22.9%) exact matches, in which: 4085 unique CDR3



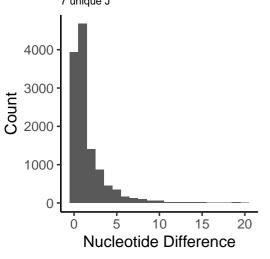
#### IGHV6-1\*01\_02

3834 sequences assigned 1360 (35.5%) exact matches, in which: 1111 unique CDR3



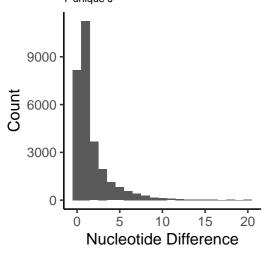
### IGHV5-10-1\*01\_03

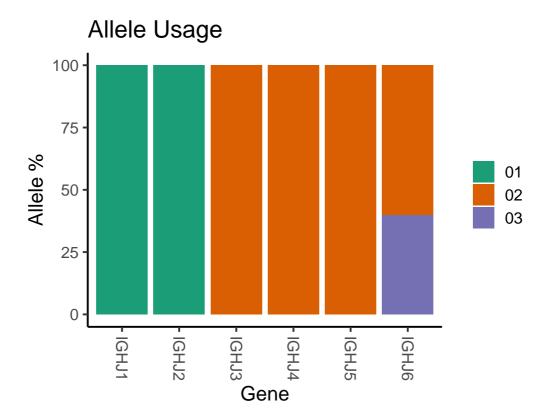
12358 sequences assigned 3933 (31.8%) exact matches, in which: 3129 unique CDR3 7 unique J



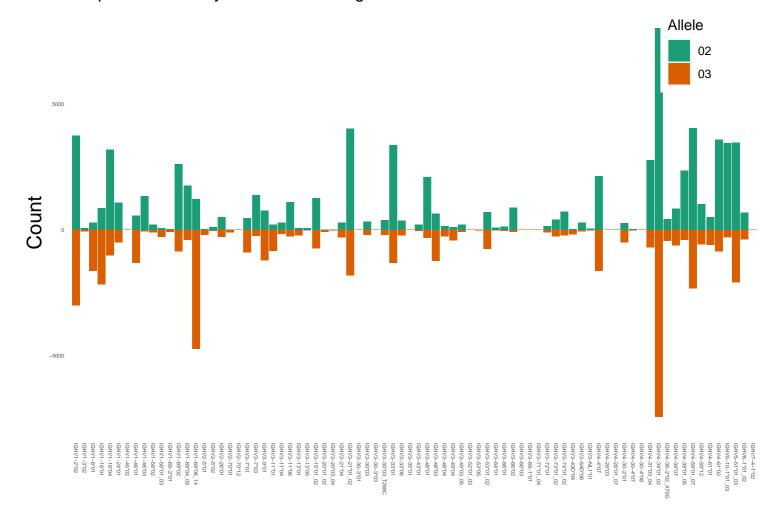
## IGHV5-51\*01\_03

29087 sequences assigned 8170 (28.1%) exact matches, in which: 6144 unique CDR3 7 unique J





# Sequence Count by IGHJ6 allele usage



Novel sequence(s) IGHV1-69\*08\_C191T IGHV3-11\*06\_T300C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-53\*05\_C300T are not listed in the genotype and will be ignored.