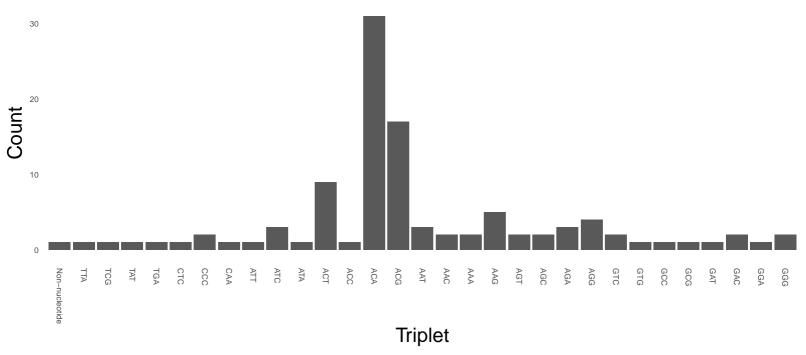
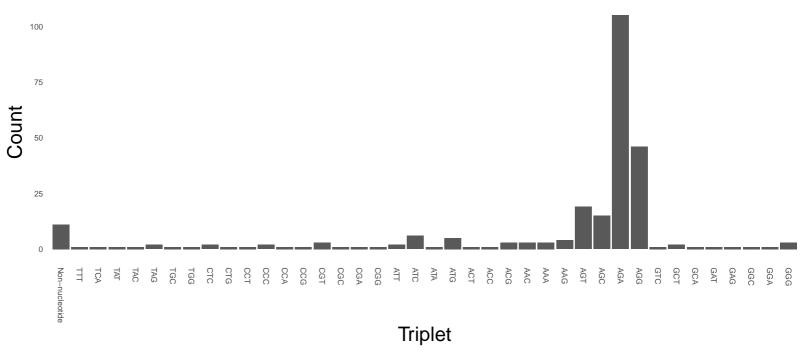
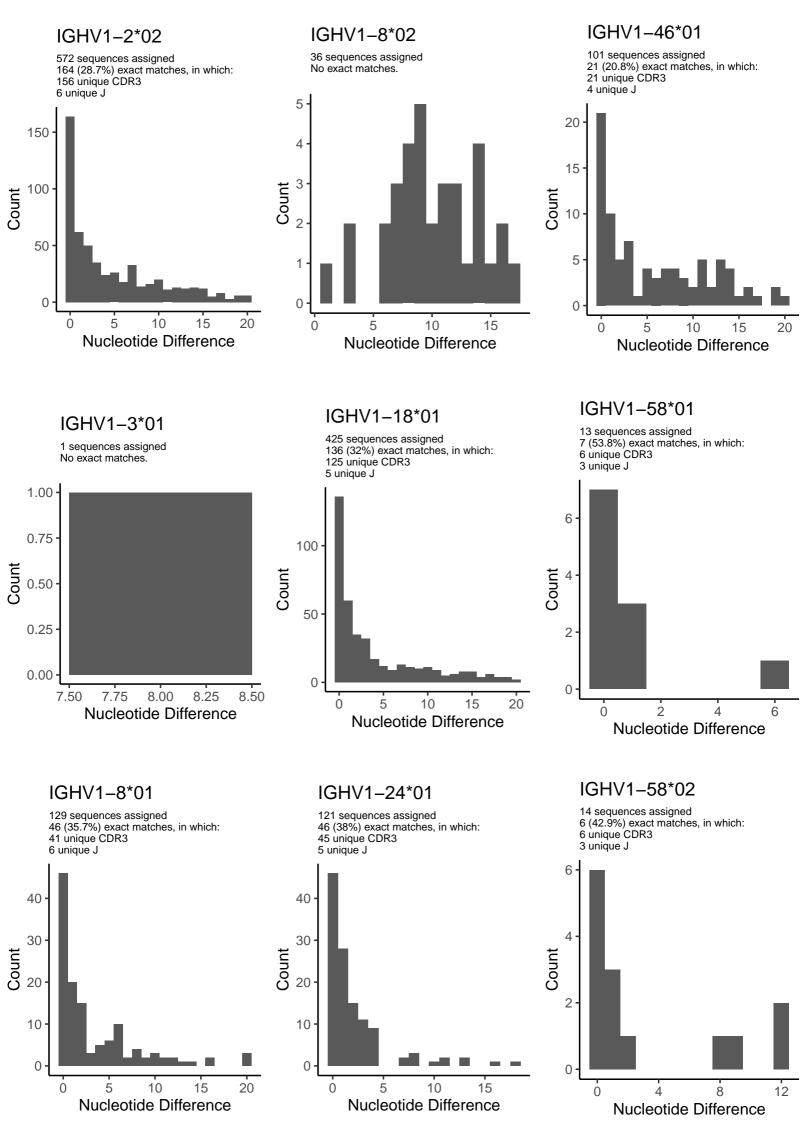


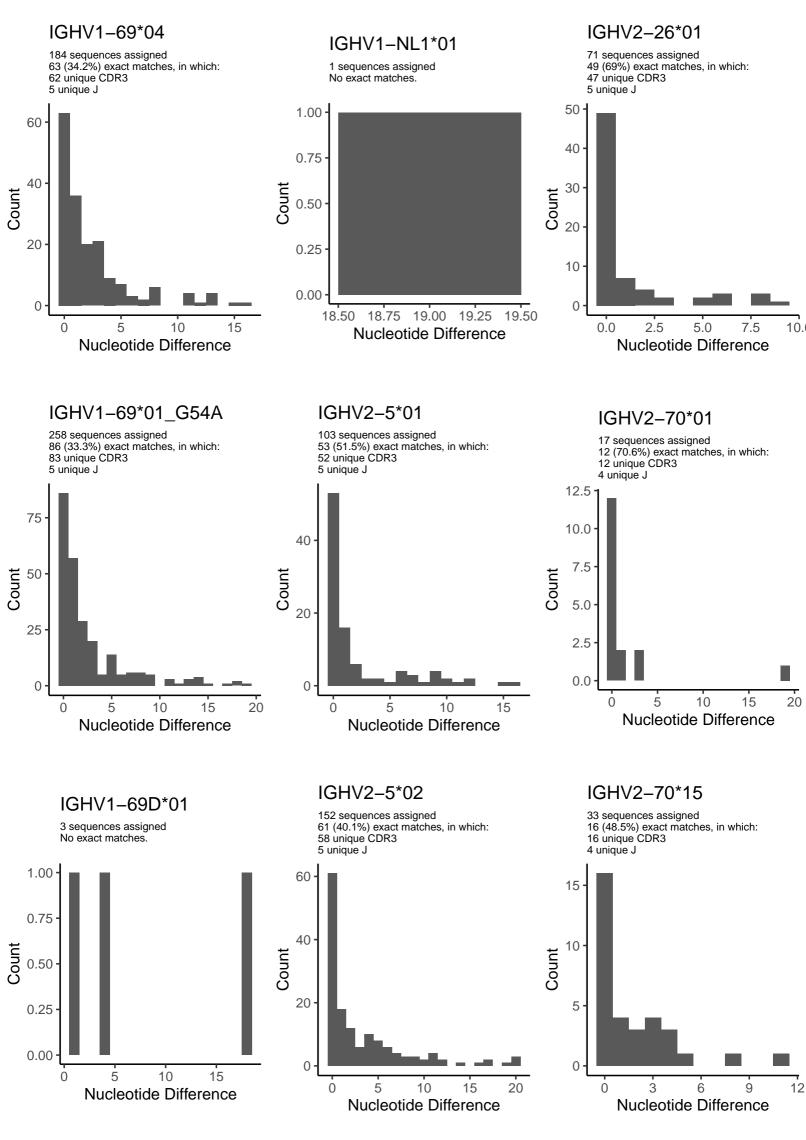
IGHV4-39*01_A220G_A225G- Final 3 nucleotides as a triplet

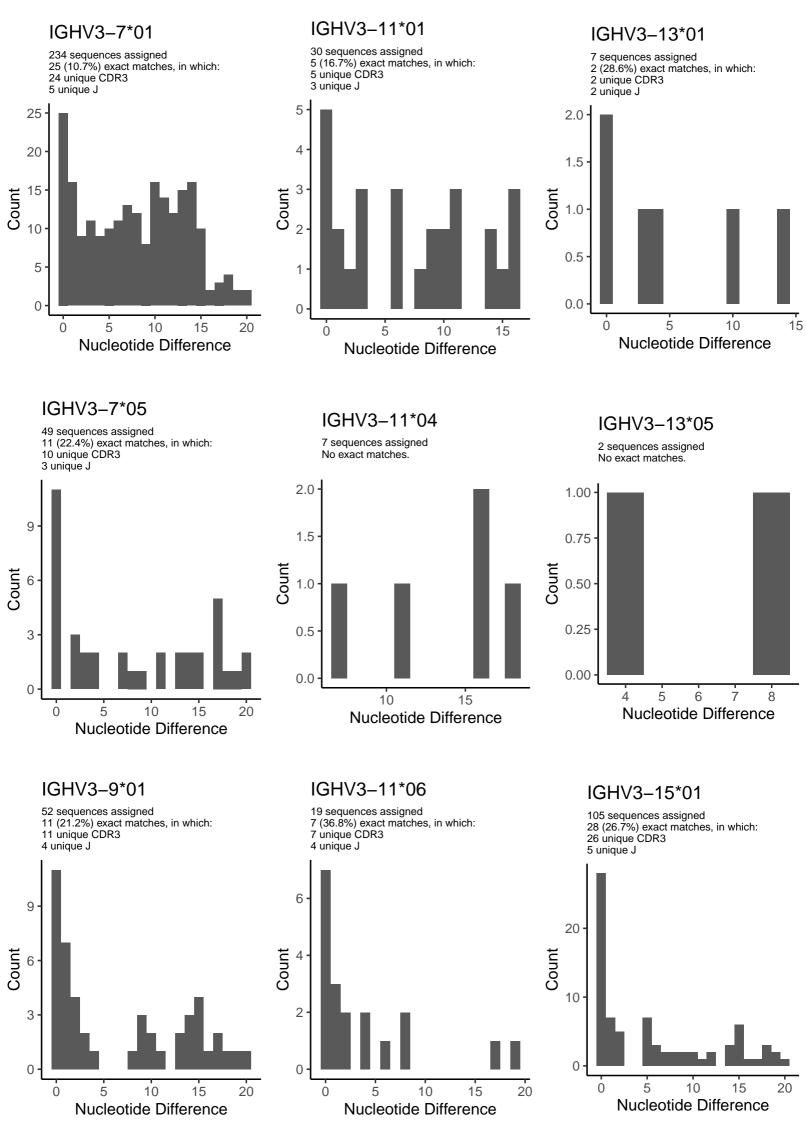


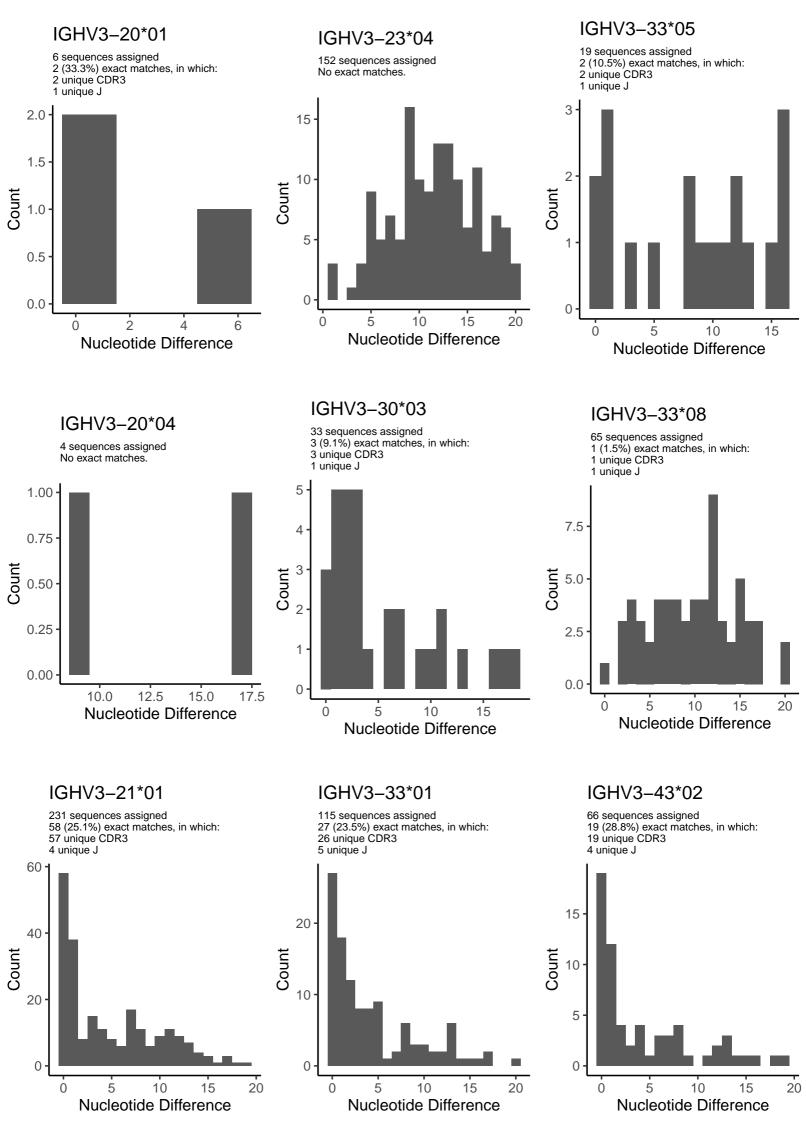
IGHV1-69*01_G54A- Final 3 nucleotides as a triplet

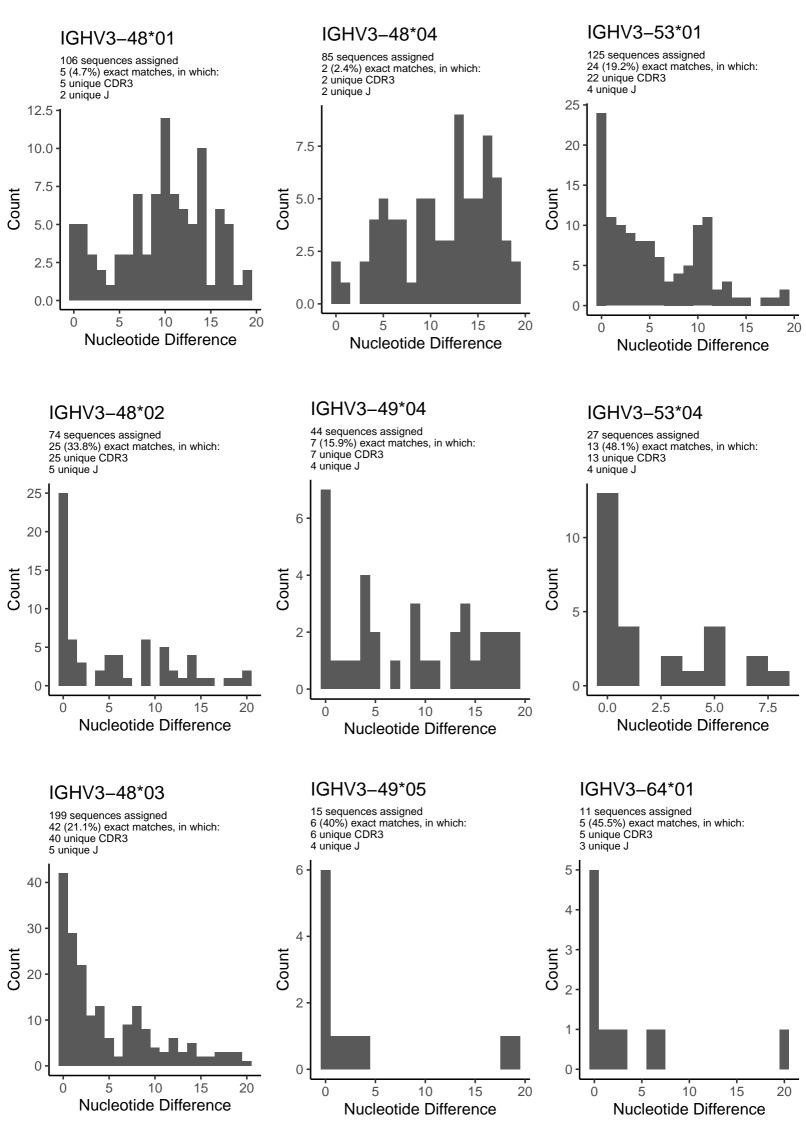


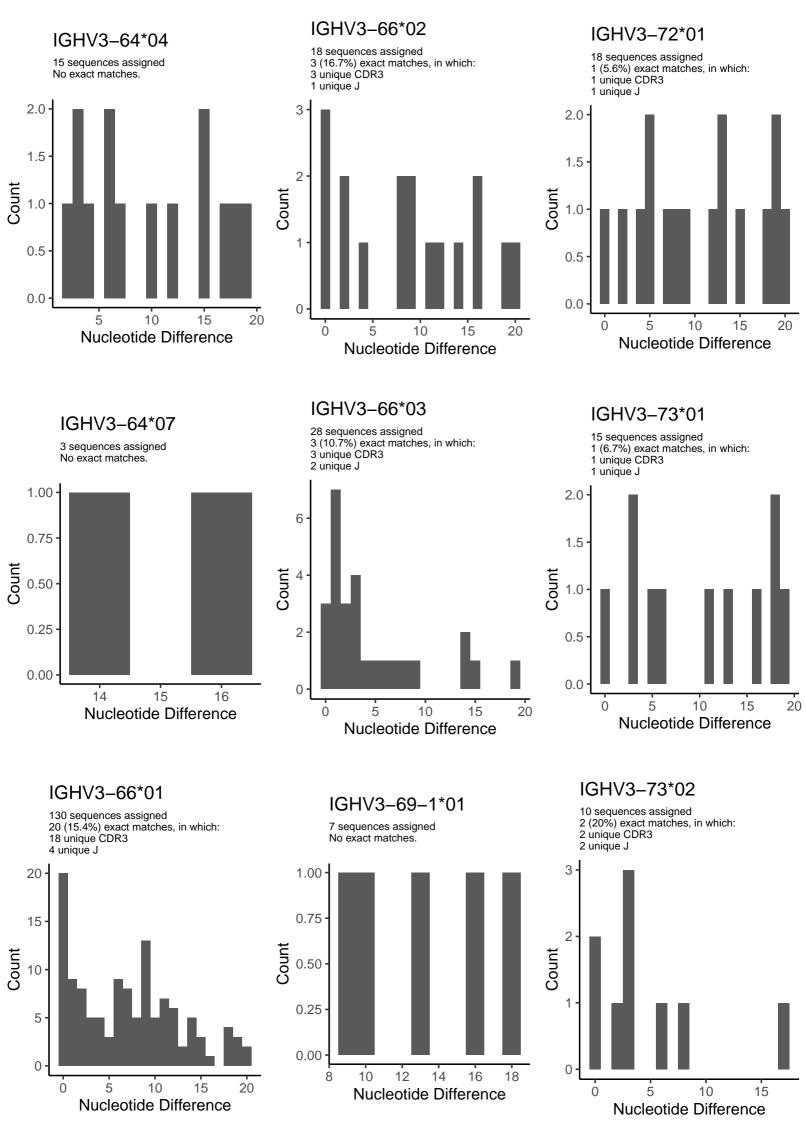


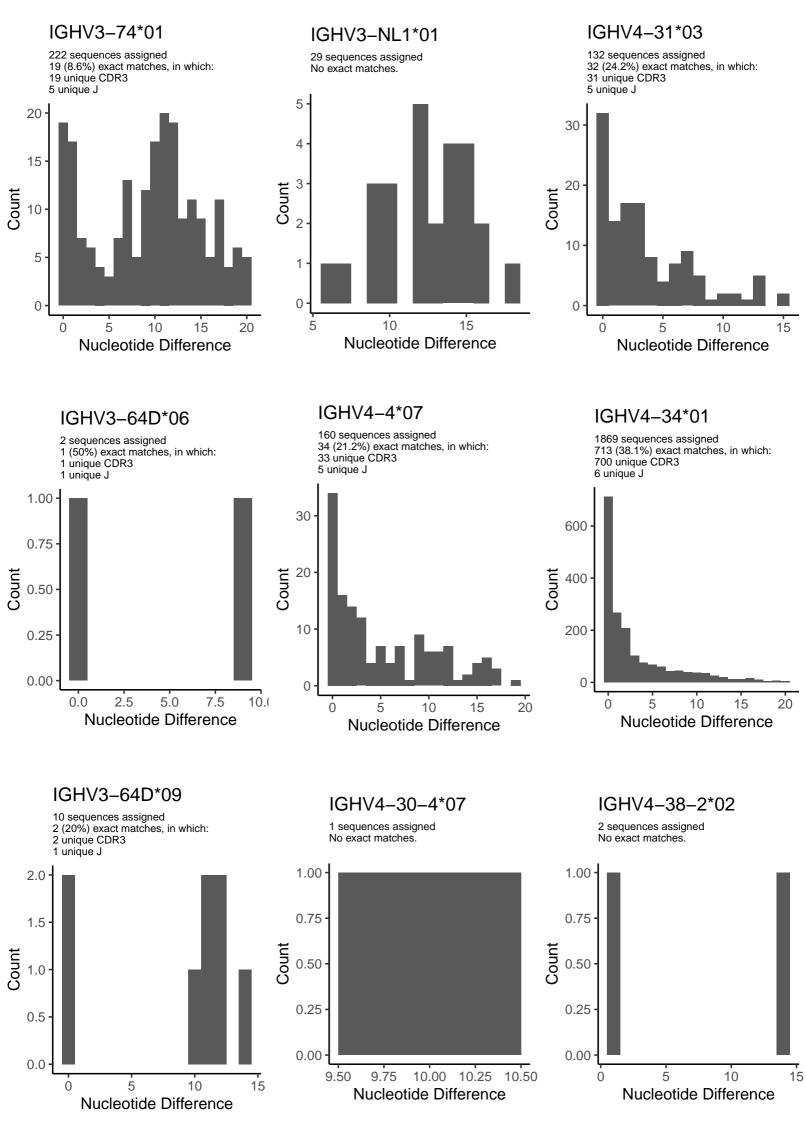


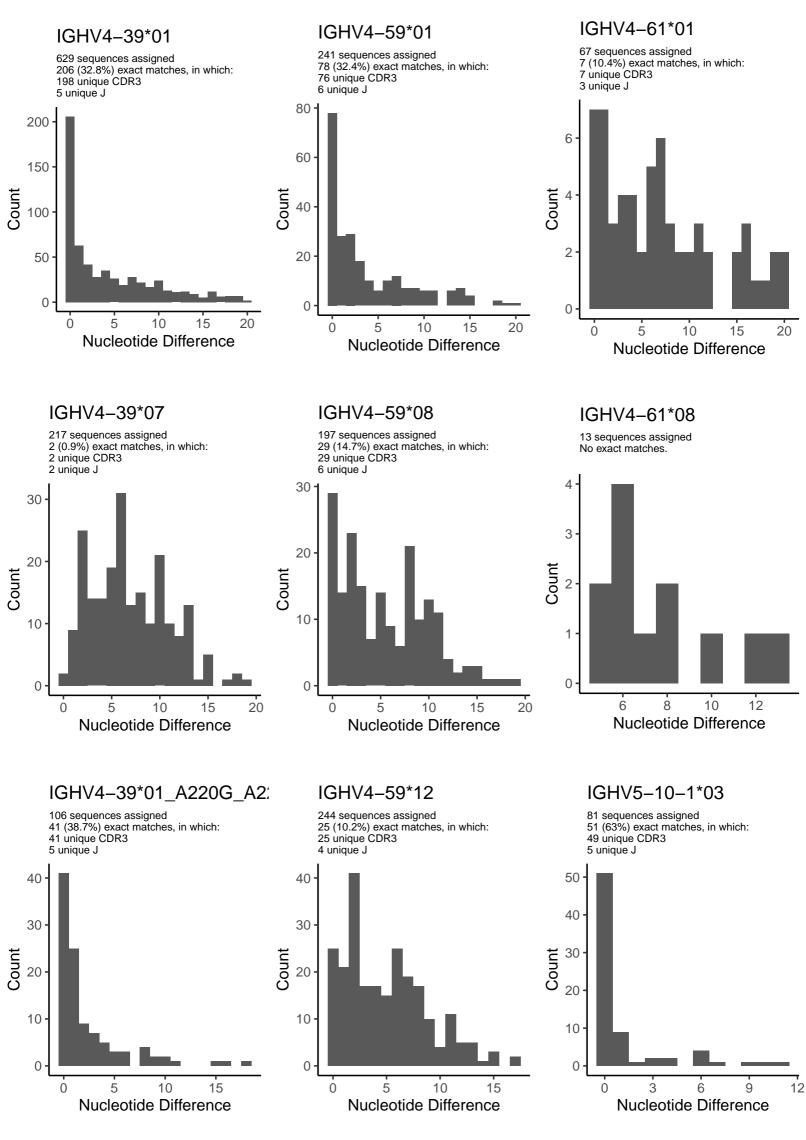






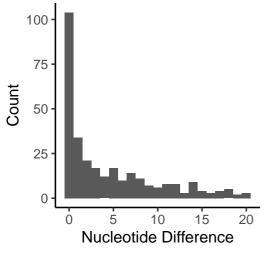






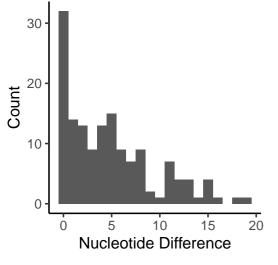
IGHV5-51*01

314 sequences assigned 104 (33.1%) exact matches, in which: 104 unique CDR3 6 unique J



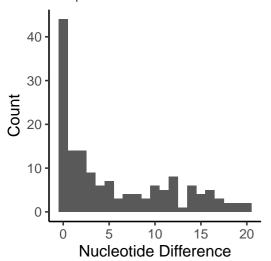
IGHV6-1*01

155 sequences assigned 32 (20.6%) exact matches, in which: 32 unique CDR3 4 unique J

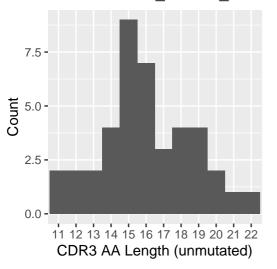


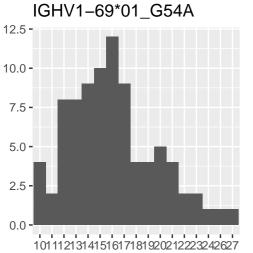
IGHV7-4-1*02

157 sequences assigned 44 (28%) exact matches, in which: 44 unique CDR3 4 unique J



IGHV4-39*01_A220G_A225G





CDR3 AA Length (unmutated)

Count



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