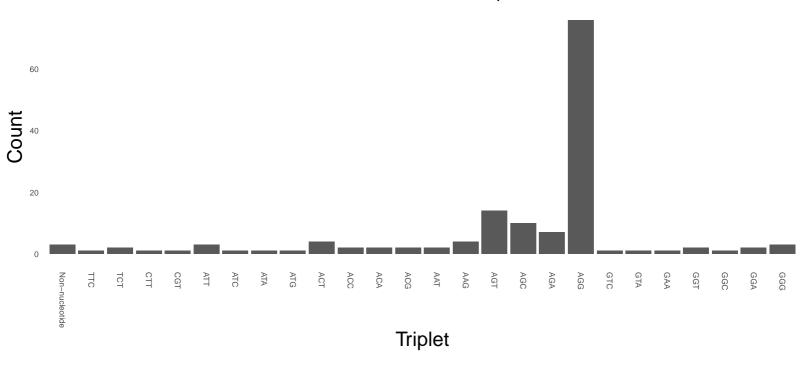
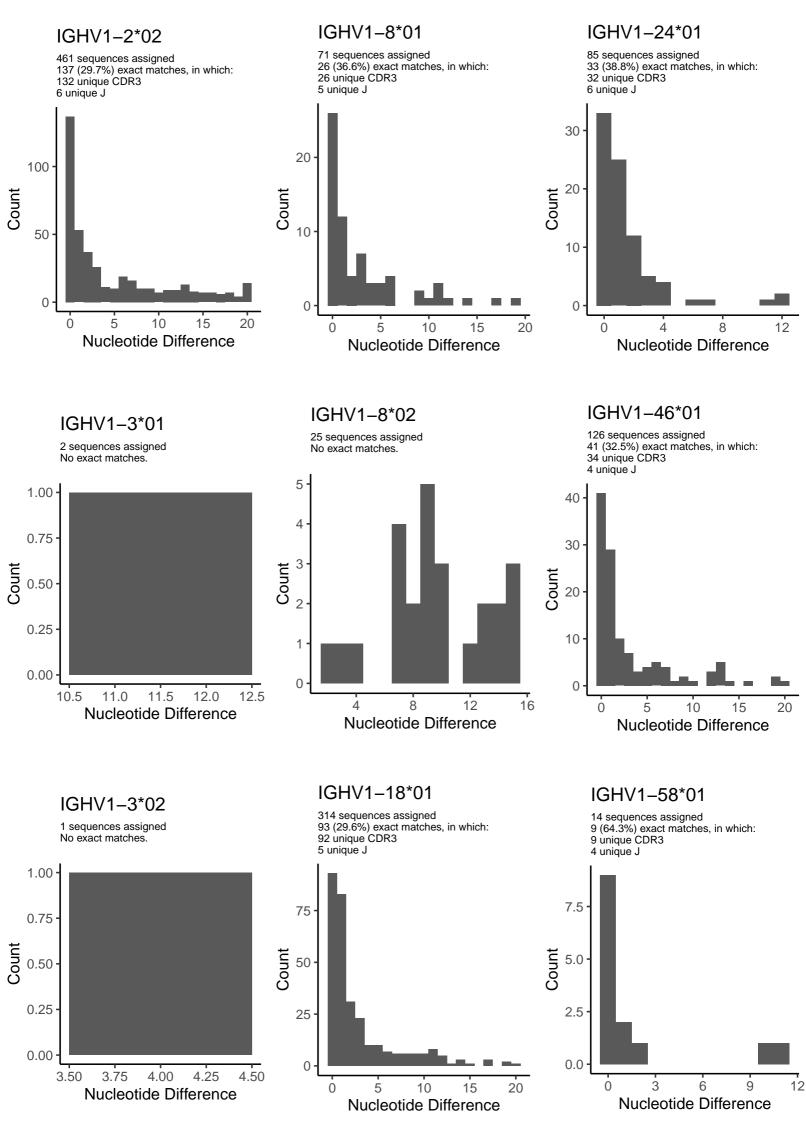


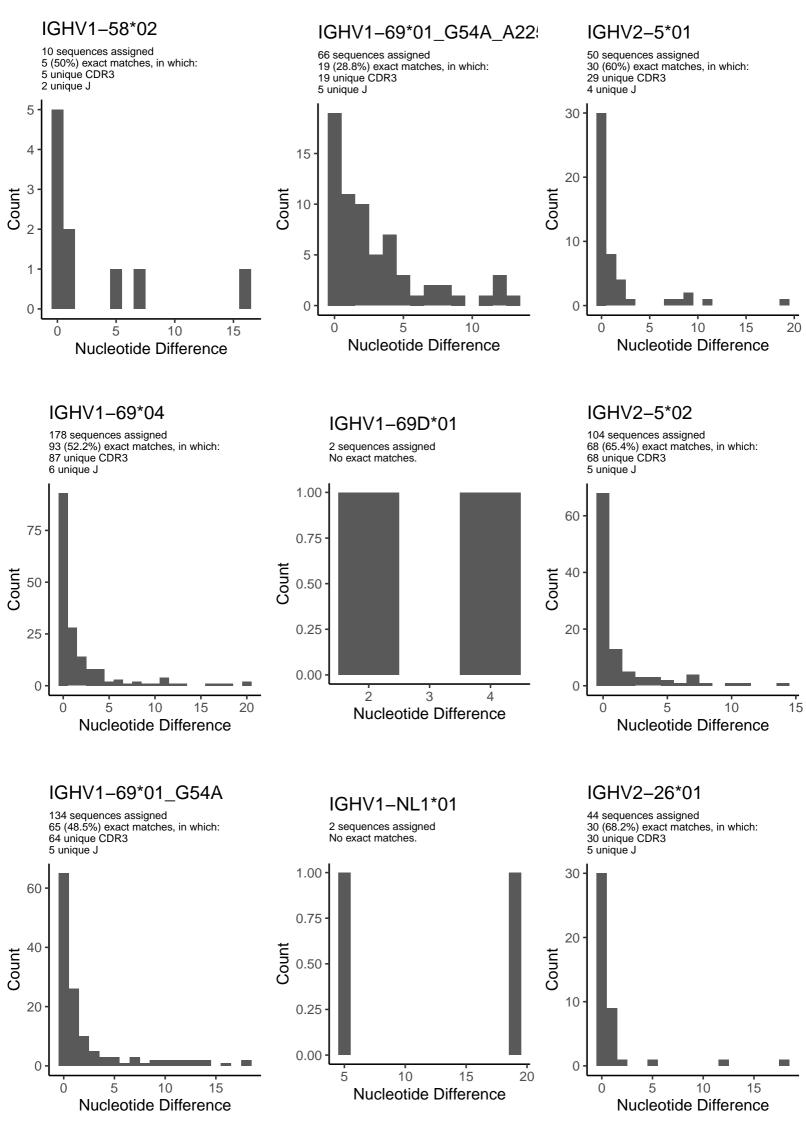
IGHV1-69*01_G54A- Final 3 nucleotides as a triplet 40 Count 10 CCA CTA CAT CGC CGA CGG ATT ATC ATA ATG ACG AAA TAA TGC TGG ACT ACC AGT AGC AGG Non-nucleotide AAT AGA TGA **Triplet** IGHV4-39*01_A220G- Final 3 nucleotides as a triplet 40 Count 10 ATC GAC CTC CCT A ACT ACC ACA ACG AAC GGC TGC CCC AAG AGC AGA AGG GAG GGA Non-nucleotide TCA TGT ATA AAT AGT GGG **Triplet** IGHV1-69*01_G54A_A225G- Final 3 nucleotides as a triplet Count 10 TGG CCT CCC ATA ATG AAT AAC TCA TAA AGC GTC GCC GGG AGG Non-nucleotide TCC AGA

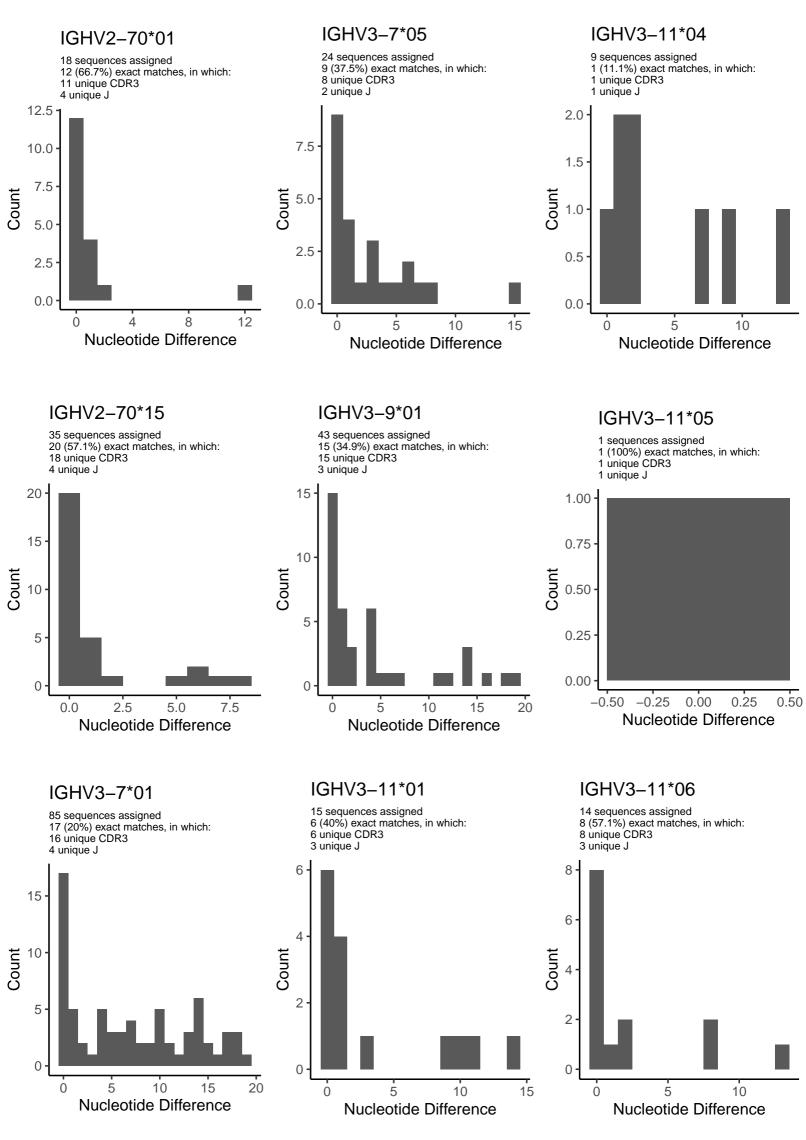
Triplet

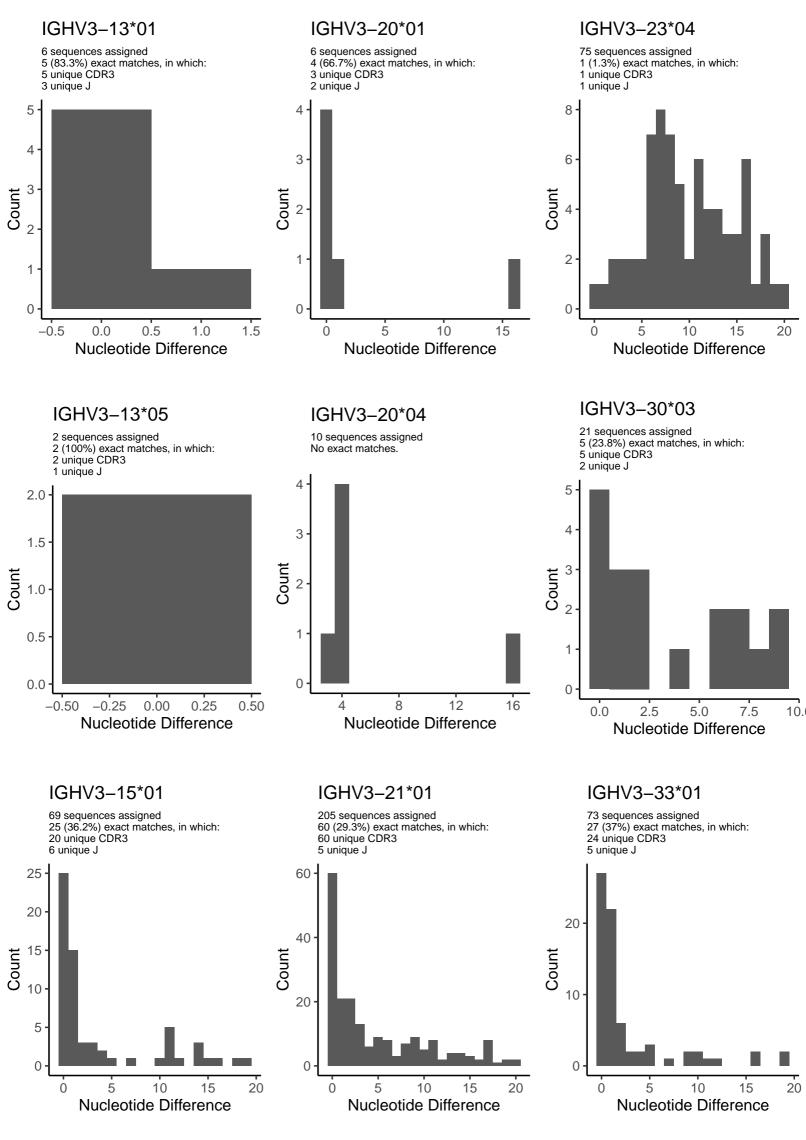
IGHV4-34*01_A220G_A225G- Final 3 nucleotides as a triplet

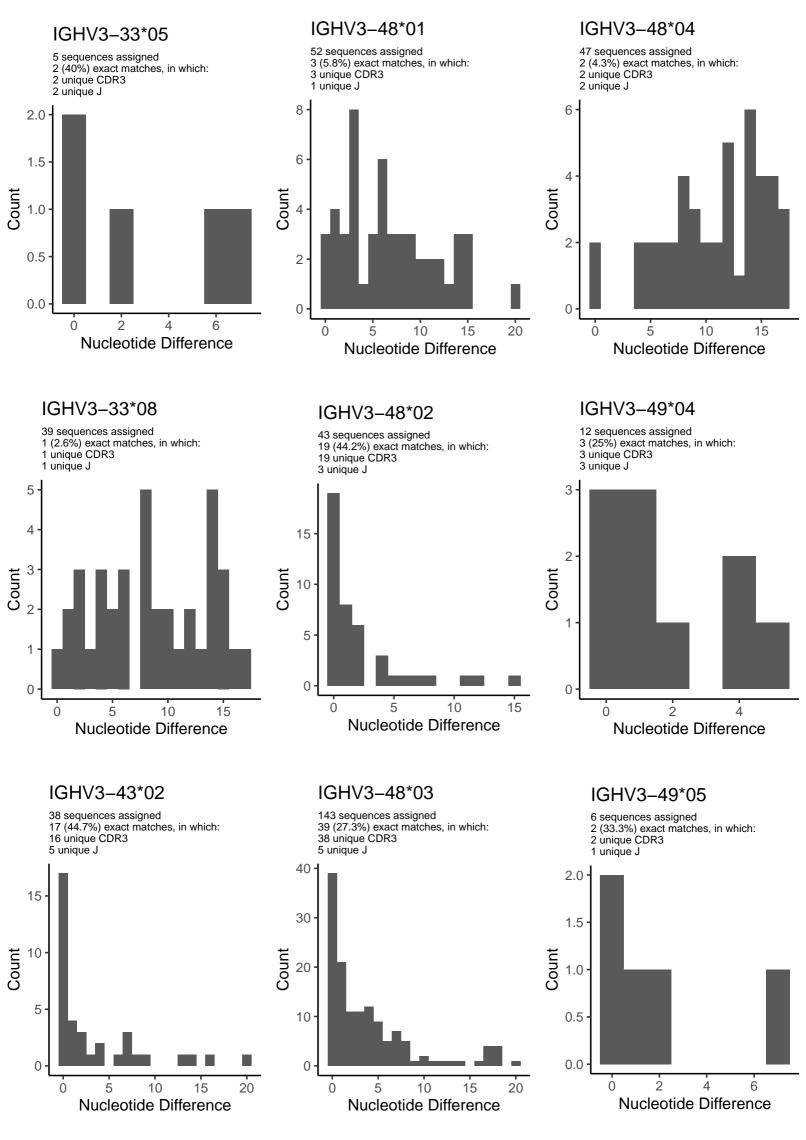


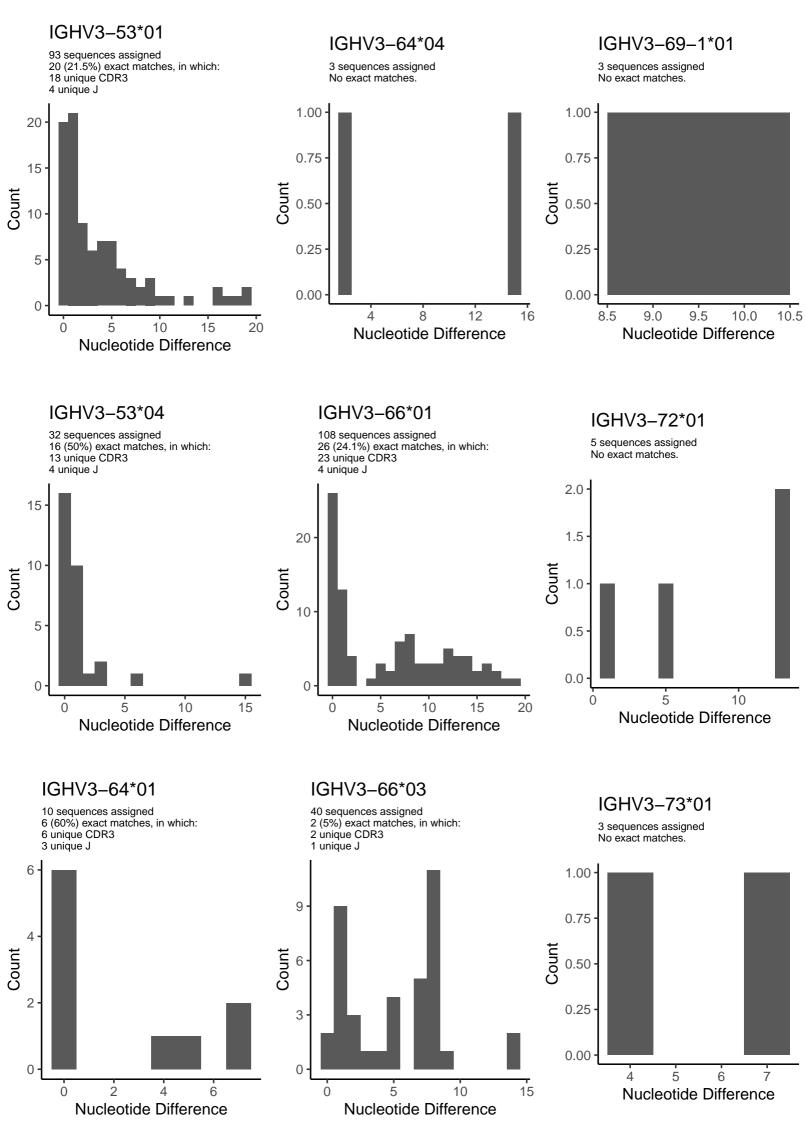


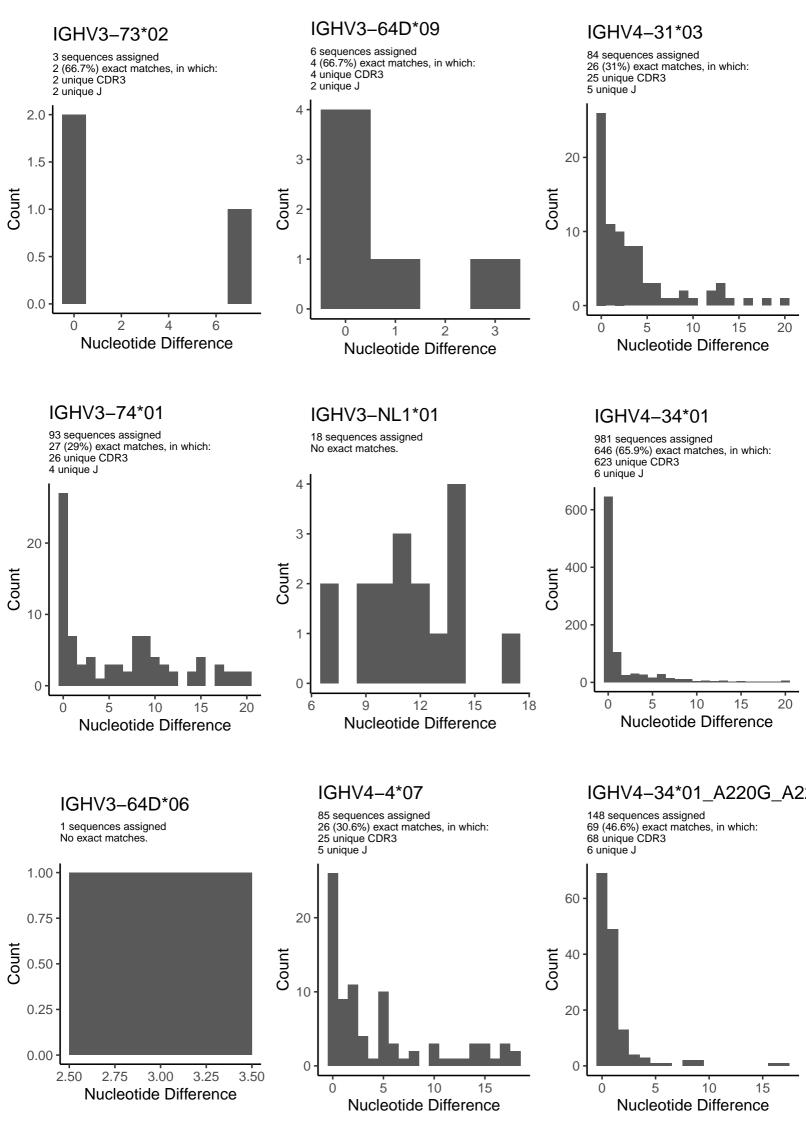


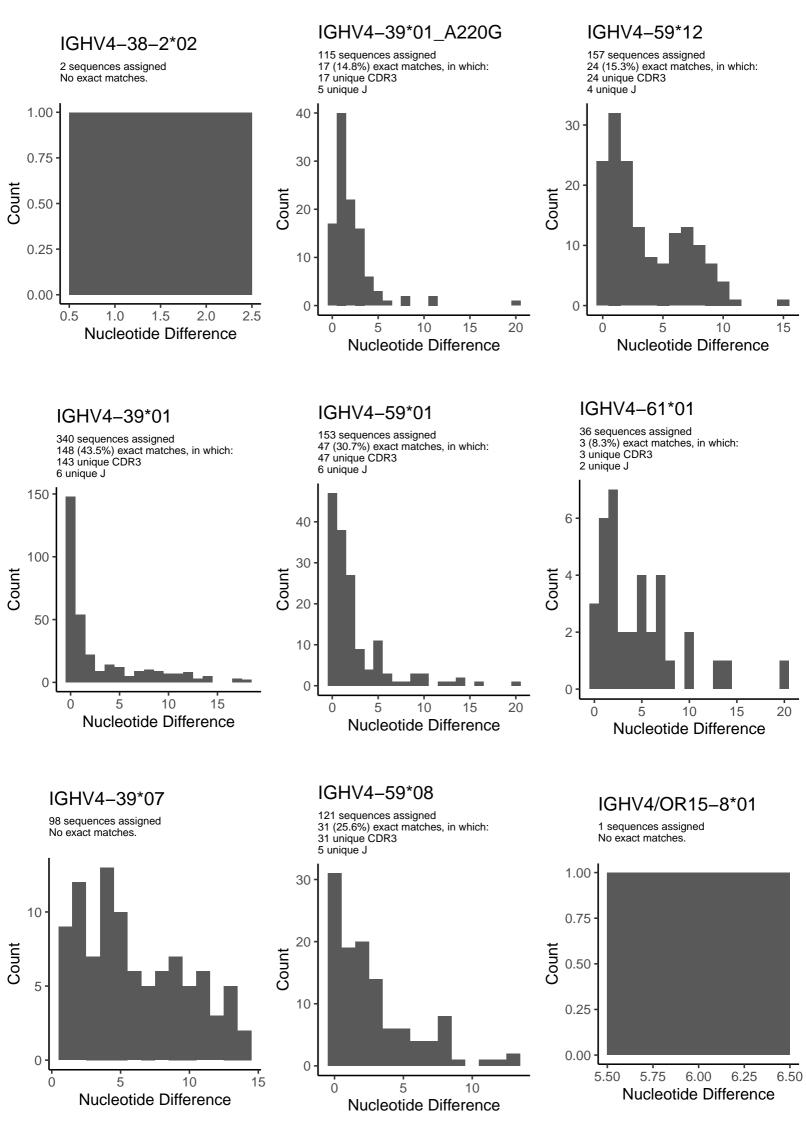






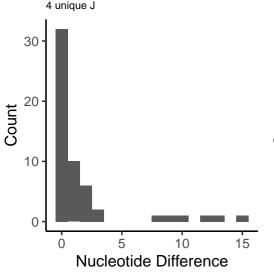






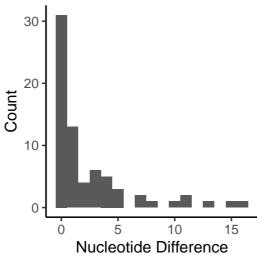
IGHV5-10-1*03

56 sequences assigned 32 (57.1%) exact matches, in which: 31 unique CDR3 4 unique J



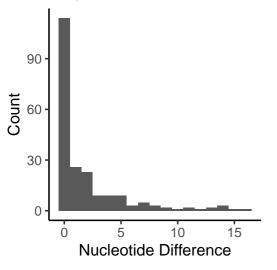
IGHV7-4-1*02

73 sequences assigned 31 (42.5%) exact matches, in which: 30 unique CDR3 5 unique J



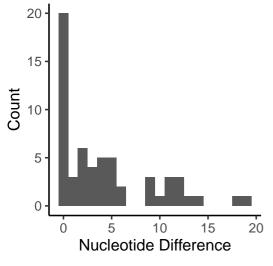
IGHV5-51*01

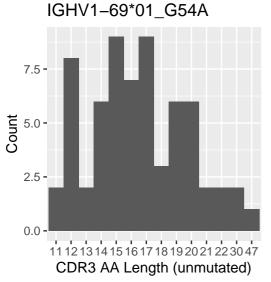
216 sequences assigned 114 (52.8%) exact matches, in which: 106 unique CDR3 6 unique J

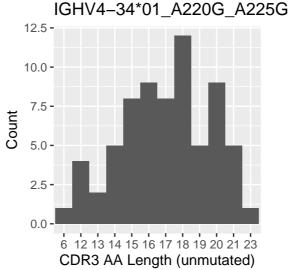


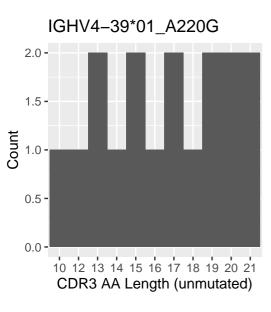
IGHV6-1*01

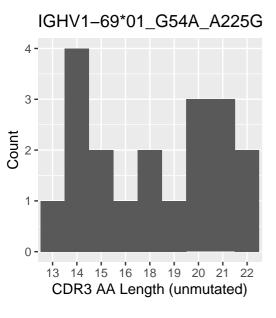
61 sequences assigned 20 (32.8%) exact matches, in which: 20 unique CDR3 5 unique J













Warning - no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found.