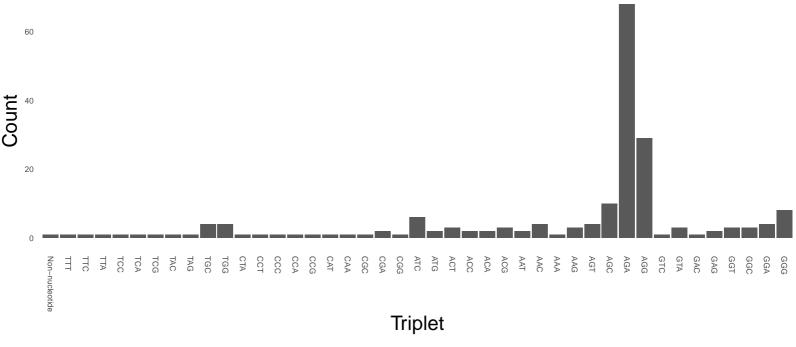
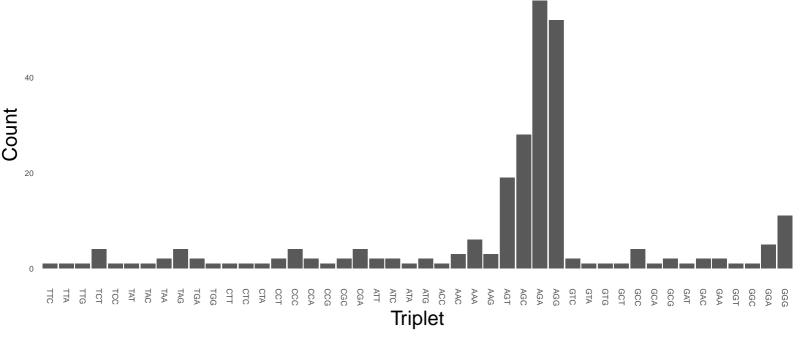


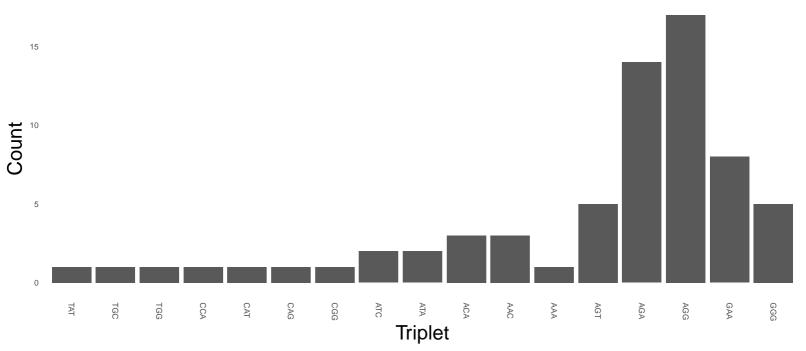
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



IGHV1-69*12_G48A- Final 3 nucleotides as a triplet



IGHV3-53*04_C241G_G273A_C300T- Final 3 nucleotides as a triplet



IGHV3-48*01_A39C- Final 3 nucleotides as a triplet

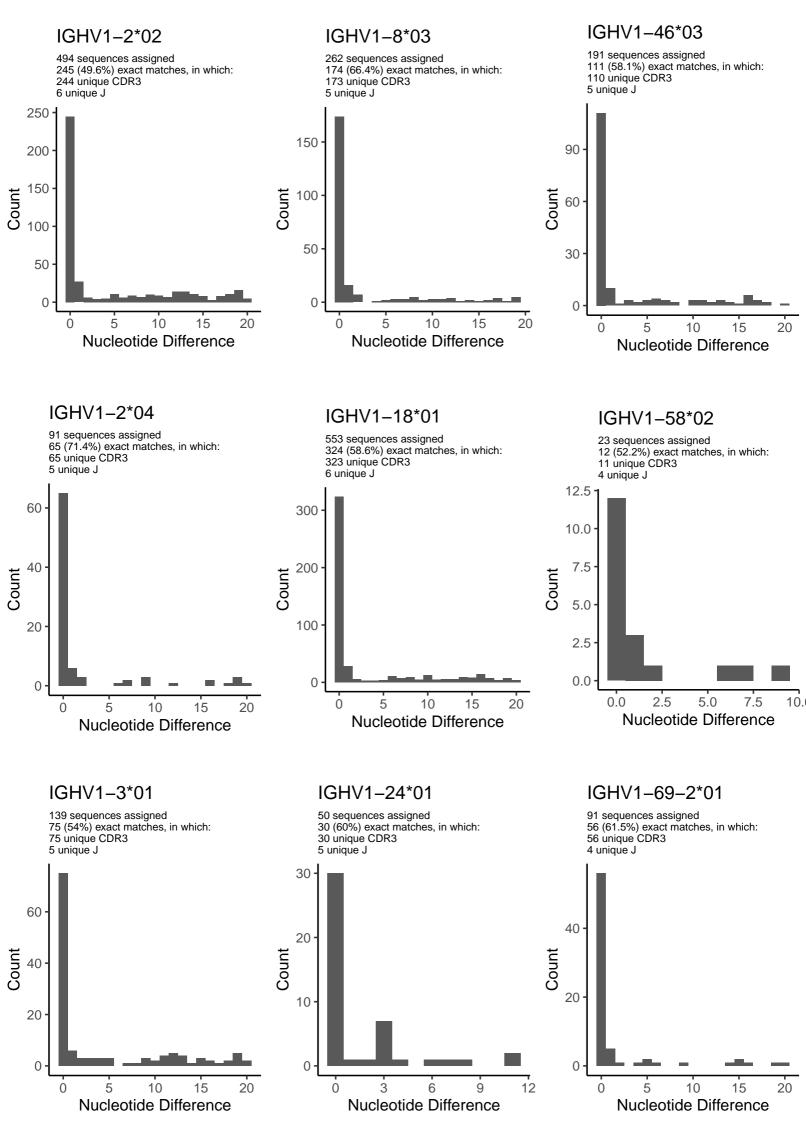
150

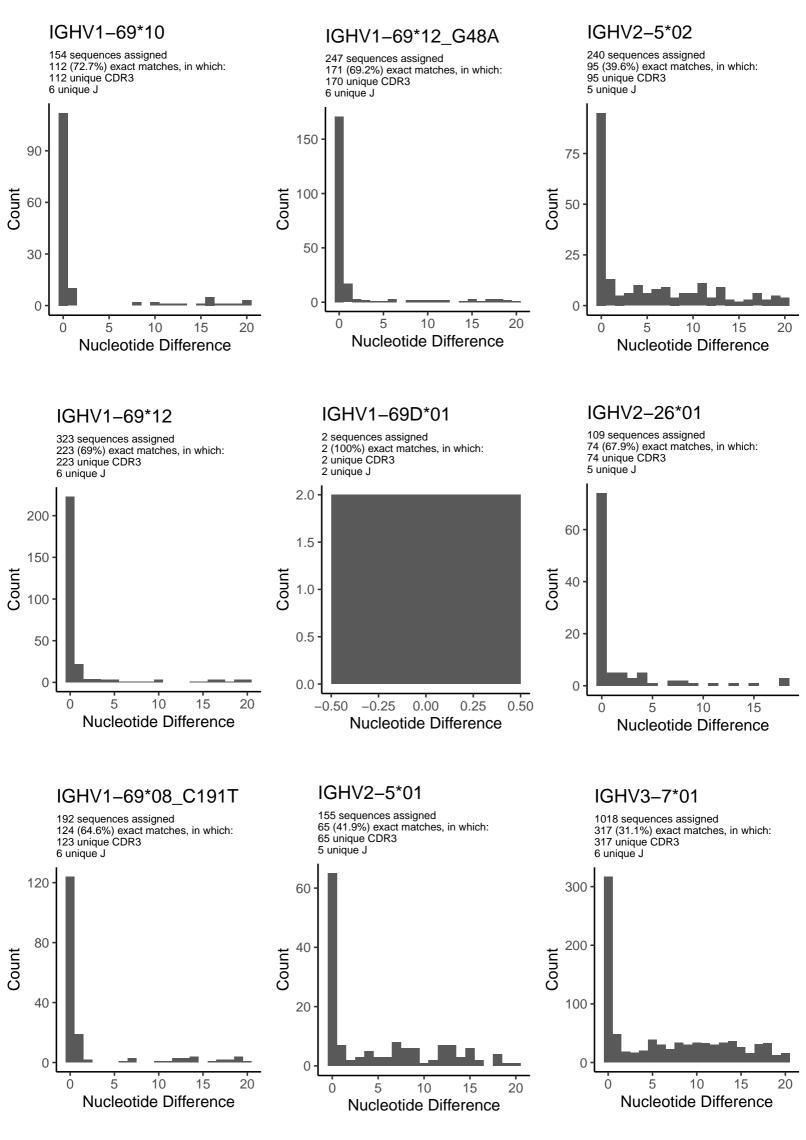
100

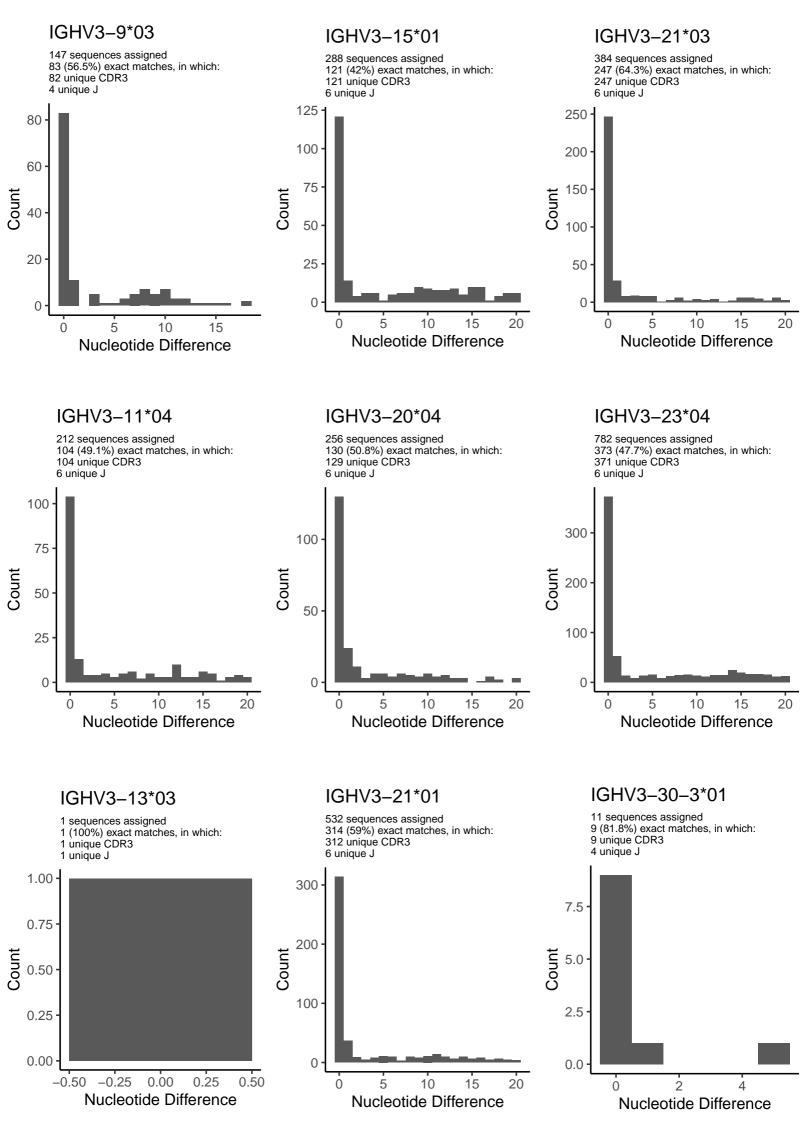
50

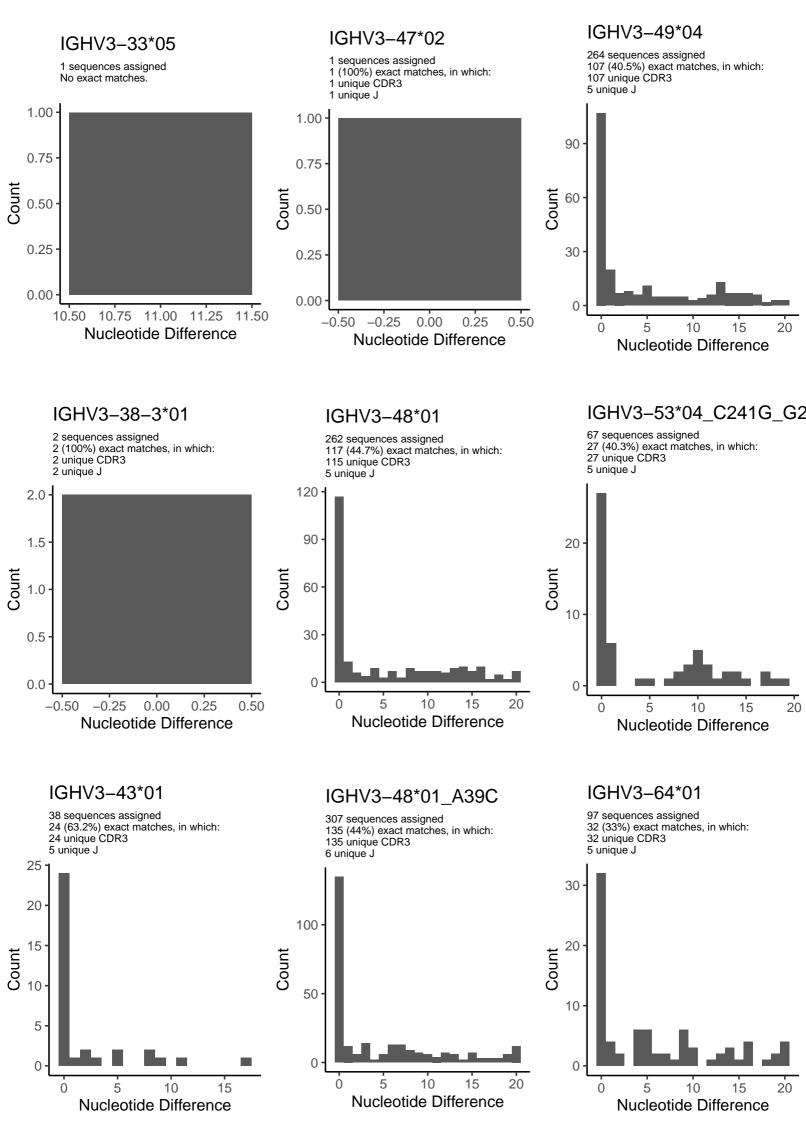
Triplet

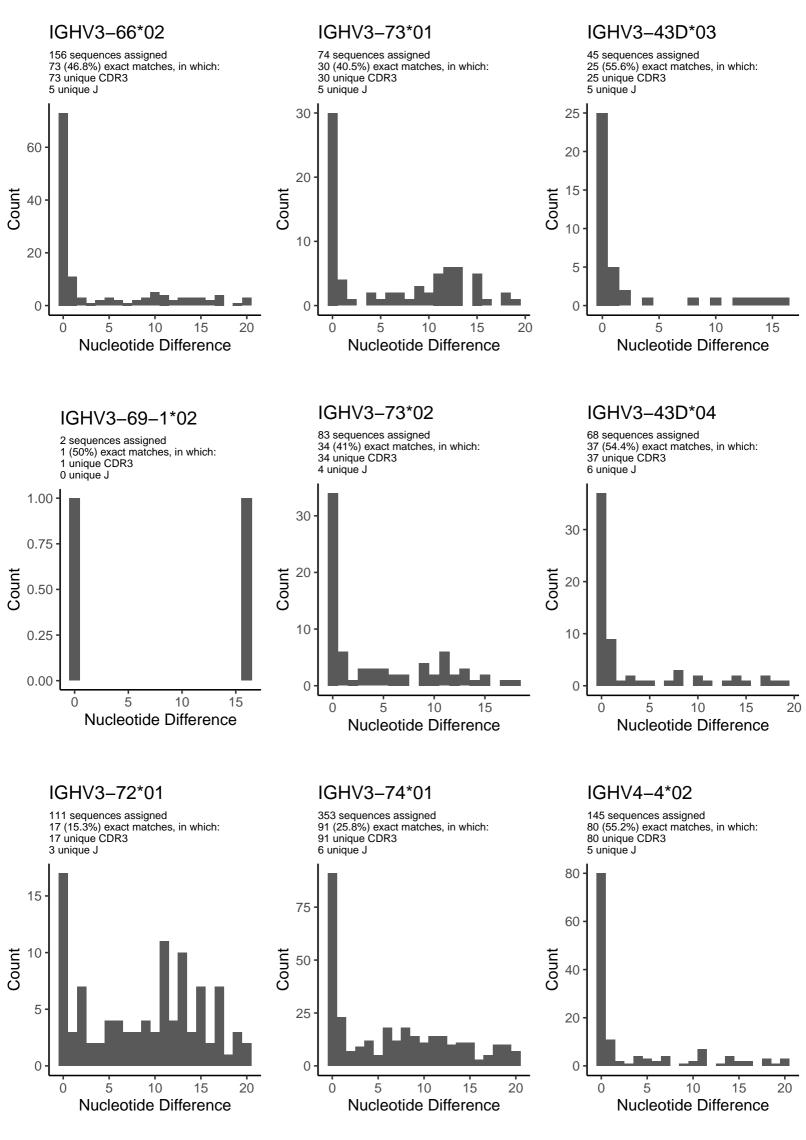
Count

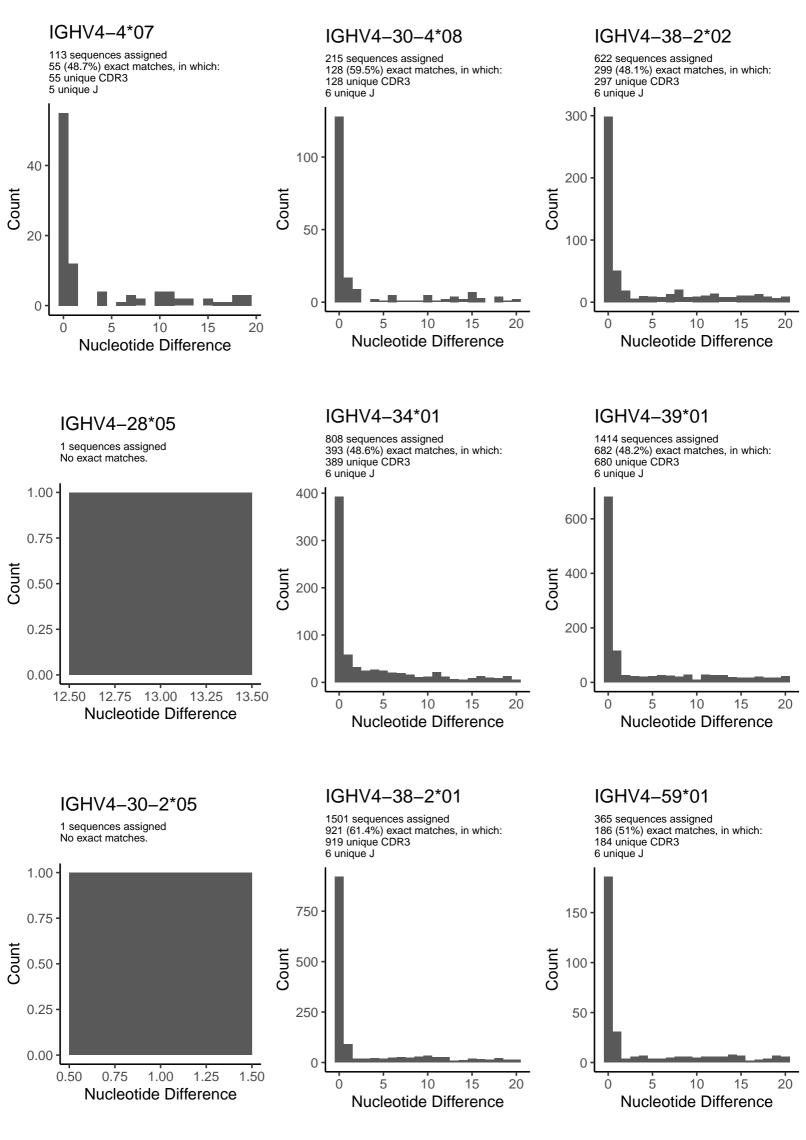










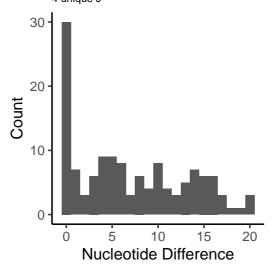


184 sequences assigned 80 (43.5%) exact matches, in which: 80 unique CDR3 6 unique J 80 40 20 Nucleotide Difference

IGHV4-59*08

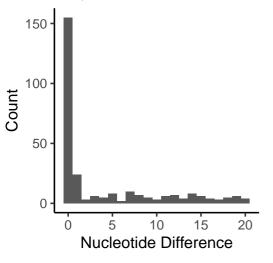
IGHV6-1*01 137 sequences assigned

137 sequences assigned 30 (21.9%) exact matches, in which: 30 unique CDR3 4 unique J



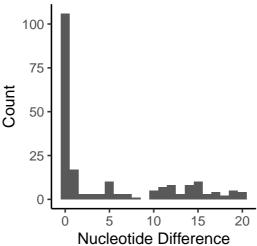
IGHV4-61*02

314 sequences assigned 155 (49.4%) exact matches, in which: 154 unique CDR3 6 unique J



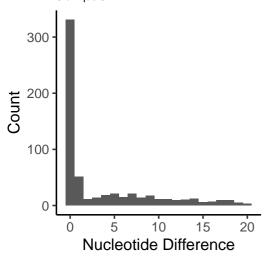
IGHV7-4-1*02

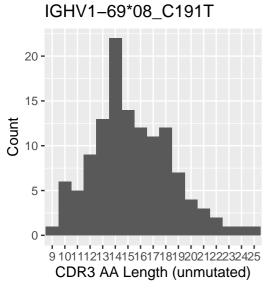
224 sequences assigned 106 (47.3%) exact matches, in which: 106 unique CDR3 6 unique J

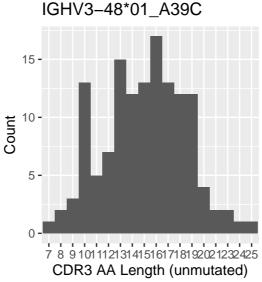


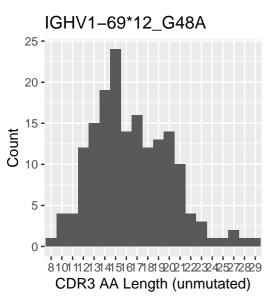
IGHV5-51*01

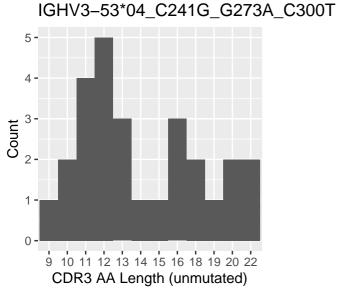
658 sequences assigned 331 (50.3%) exact matches, in which: 331 unique CDR3 6 unique J













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