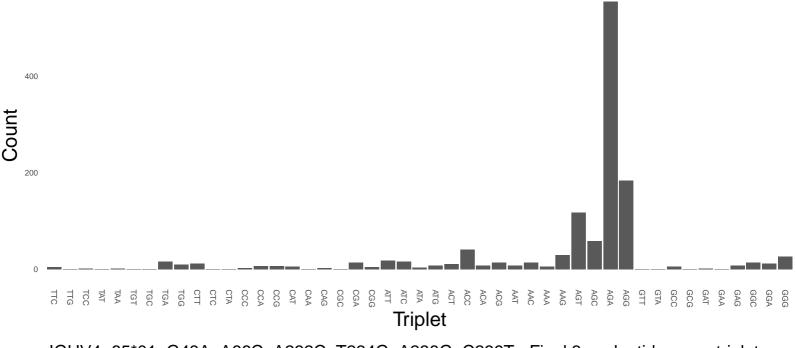
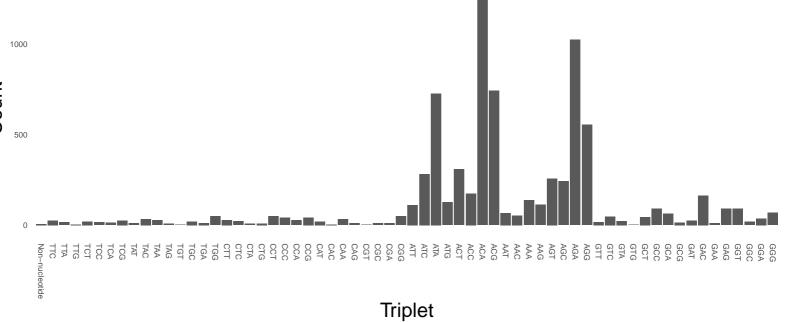


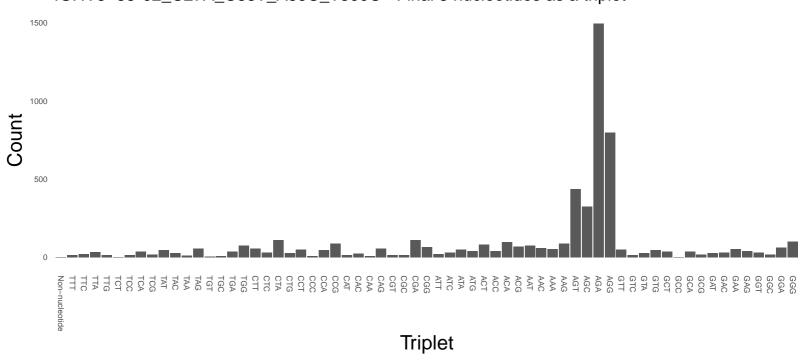
IGHV3-103*01_G51A_A170G_A295C- Final 3 nucleotides as a triplet



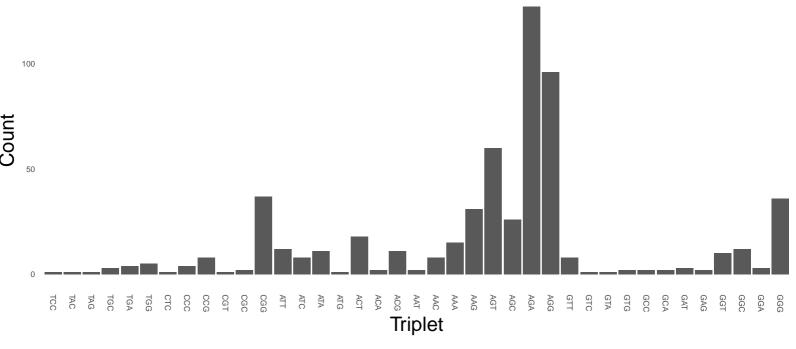
IGHV4-65*01_G48A_A66C_A232C_T234G_A238G_C239T- Final 3 nucleotides as a triplet



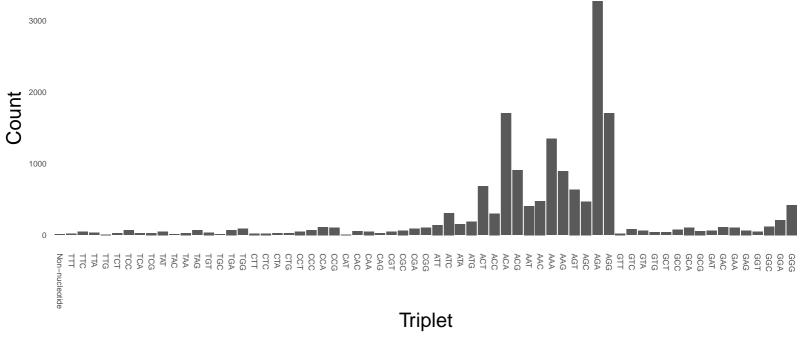
IGHV3-38*02_C27A_C38T_A39C_T300C- Final 3 nucleotides as a triplet



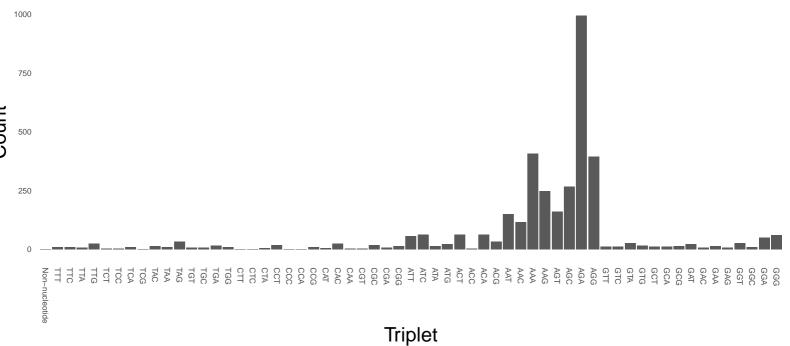
IGHV4-73*01_C84T_G147A_T163A_C168T_T169G- Final 3 nucleotides as a triplet



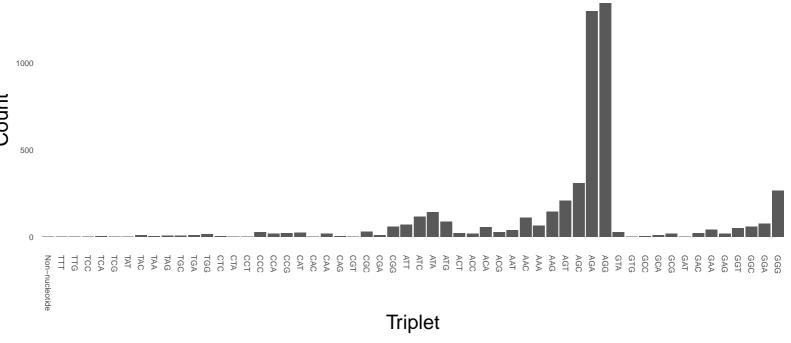
IGHV4-160*01_A106G_A109T_G147A- Final 3 nucleotides as a triplet



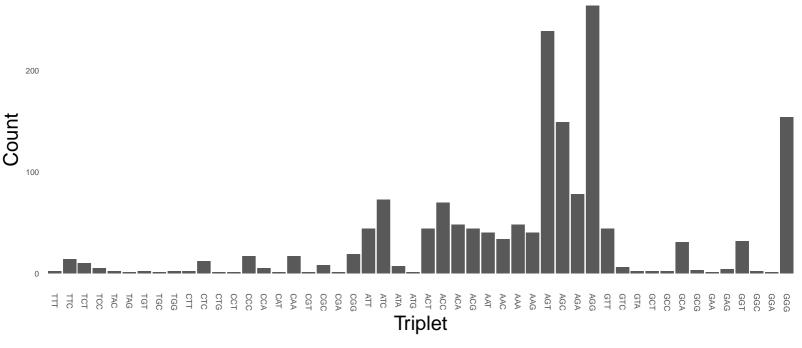
IGHV4S13*01_T85A_C137G_G267A- Final 3 nucleotides as a triplet



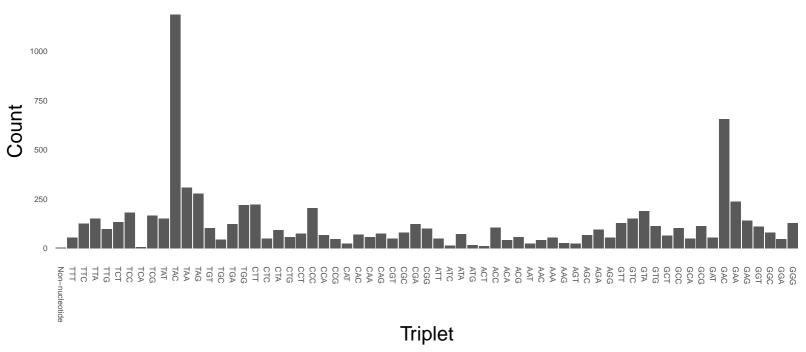
IGHV5-20*02_A141G_C312T- Final 3 nucleotides as a triplet



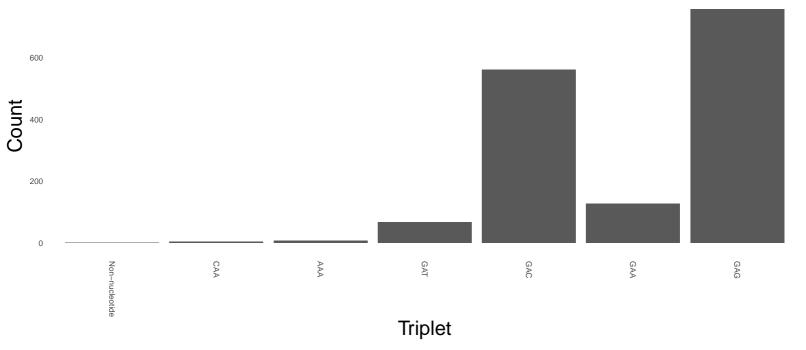
IGHV5-43*01_A106G- Final 3 nucleotides as a triplet



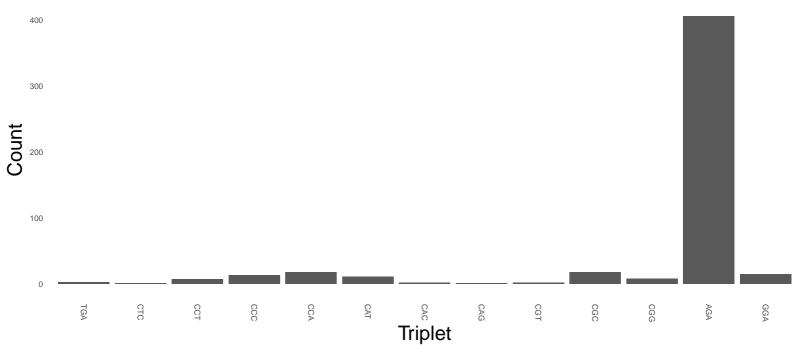
IGHV2S1*01_G289T- Final 3 nucleotides as a triplet

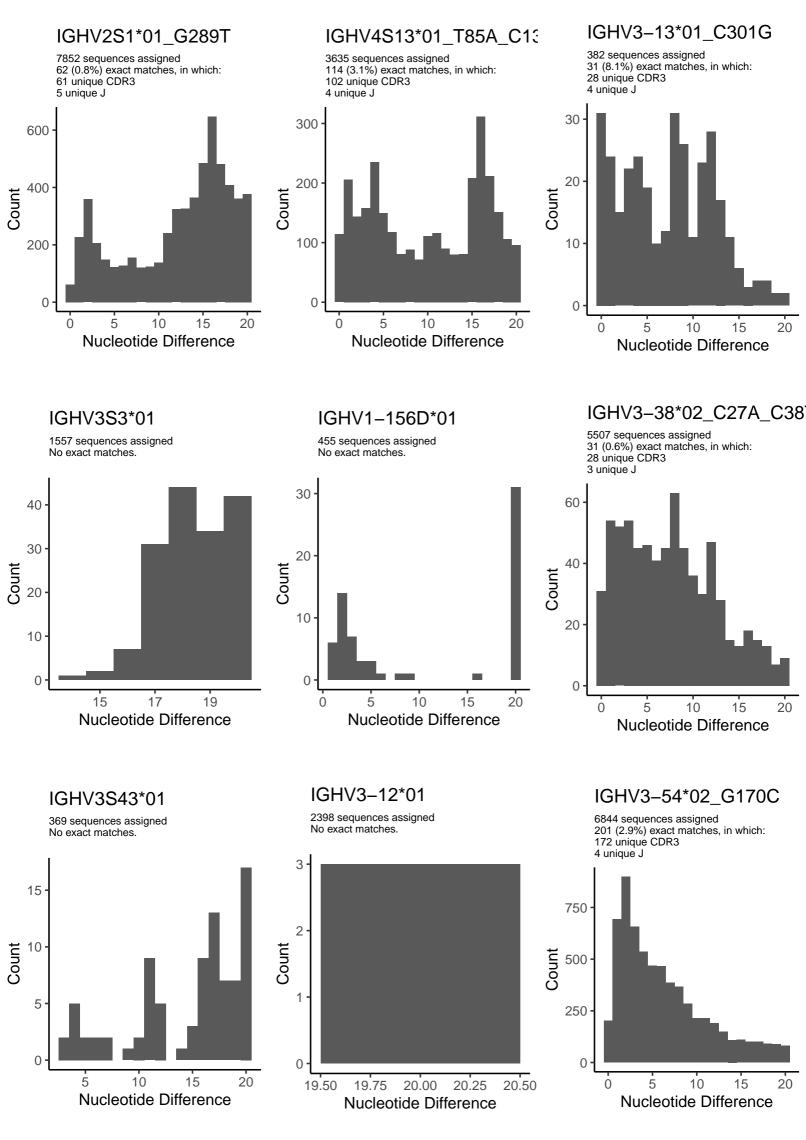


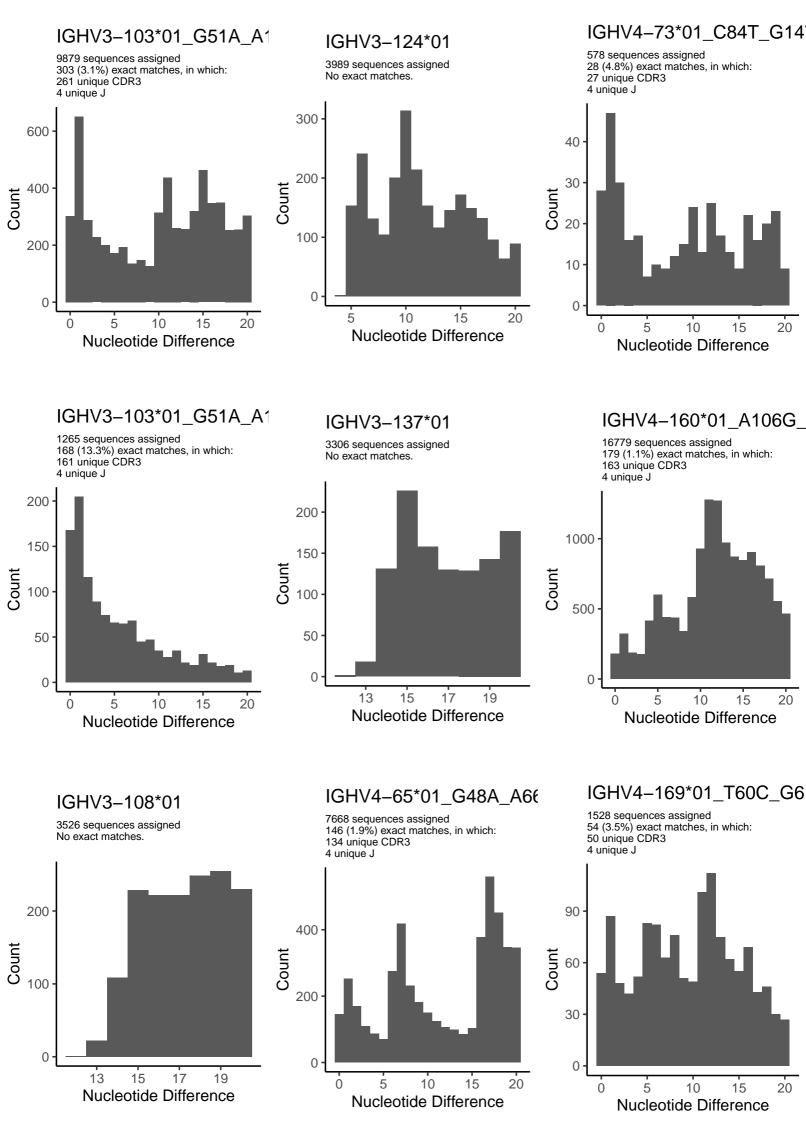
IGHV4-169*01_T60C_G61C- Final 3 nucleotides as a triplet



IGHV4-169*02_T60C_G61C- Final 3 nucleotides as a triplet



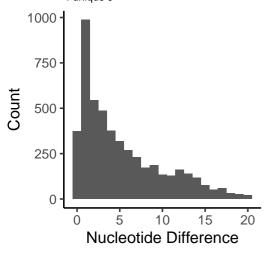




IGHV4-169*02_T60C_G6 IGHV7-94*01 505 sequences assigned 39 (7.7%) exact matches, in which: 36 unique CDR3 2 unique J 125 sequences assigned No exact matches. 20 60 15 Count 10 20 5 0 0 16 18 20 0 5 10 15 Nucleotide Difference **Nucleotide Difference**

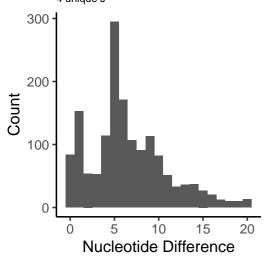
IGHV5-20*02_A141G_C312T

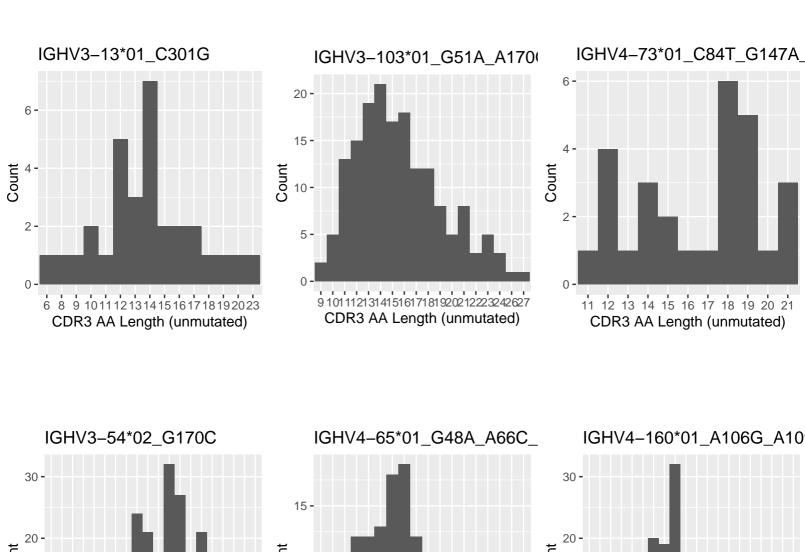
4946 sequences assigned 373 (7.5%) exact matches, in which: 305 unique CDR3 4 unique J

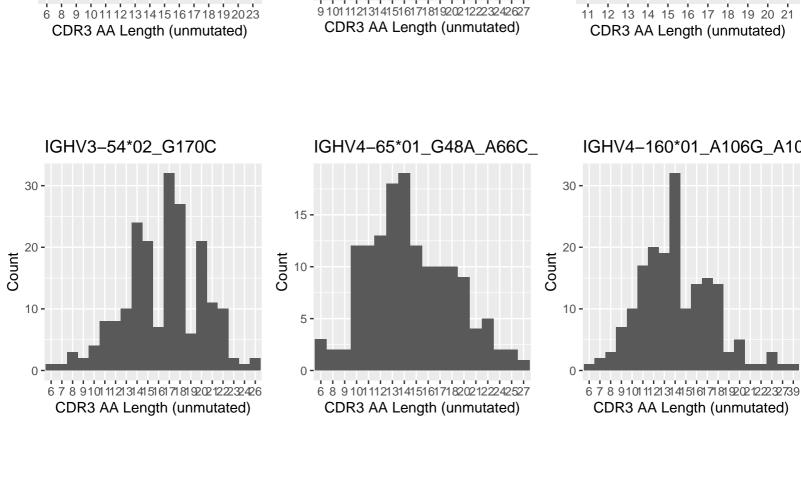


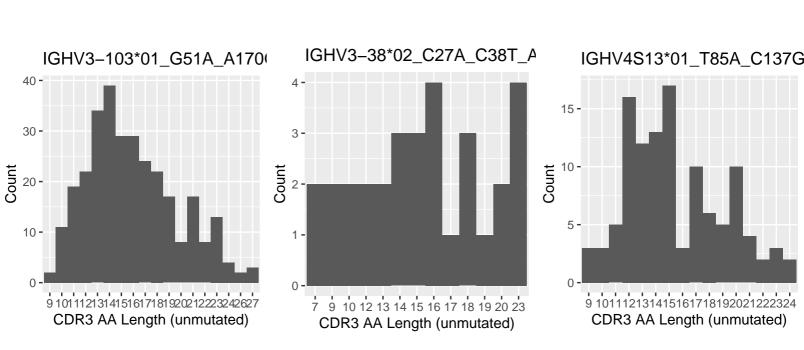
IGHV5-43*01_A106G

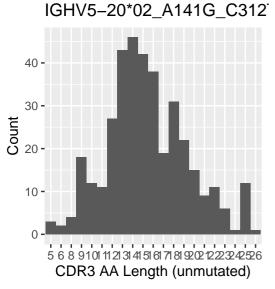
1631 sequences assigned 84 (5.2%) exact matches, in which: 70 unique CDR3 4 unique J

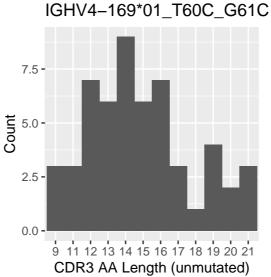


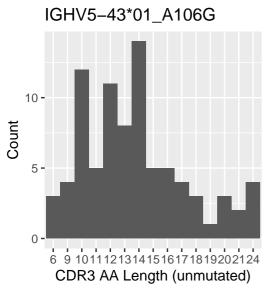


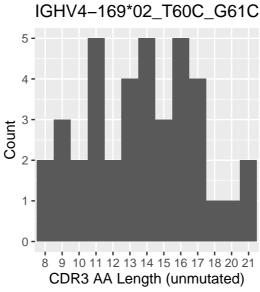


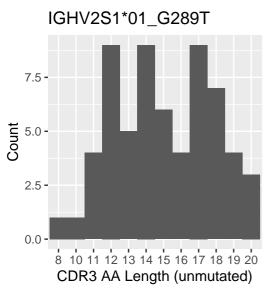














Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.