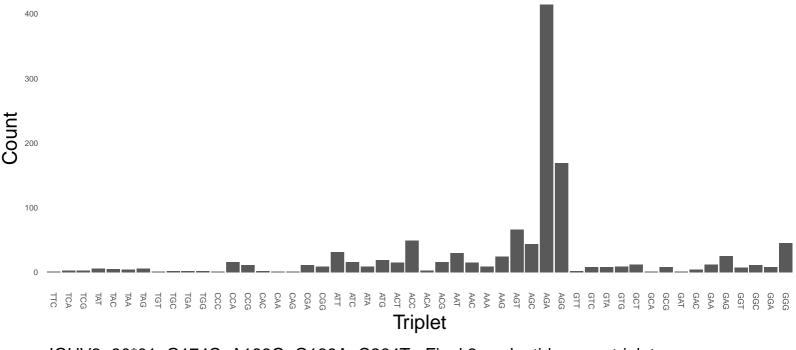
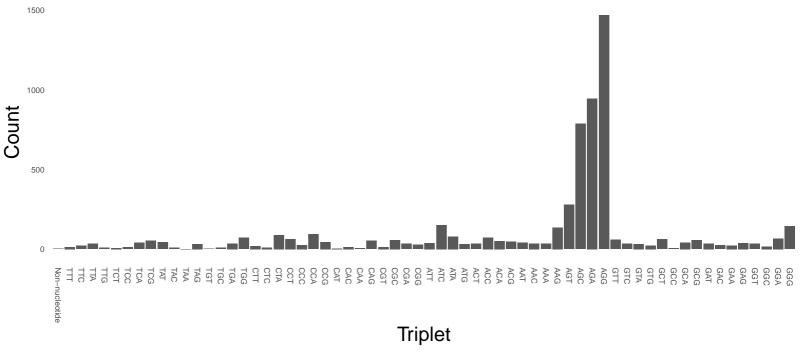


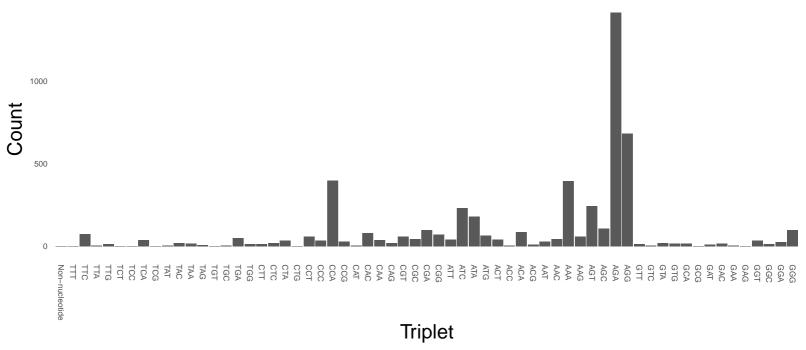
IGHV4-73*01_G147A_T163A_C168T_T169G- Final 3 nucleotides as a triplet



IGHV3-30*01_G174C_A188G_G189A_C264T- Final 3 nucleotides as a triplet



IGHV3-30*02_C141G_C183T- Final 3 nucleotides as a triplet

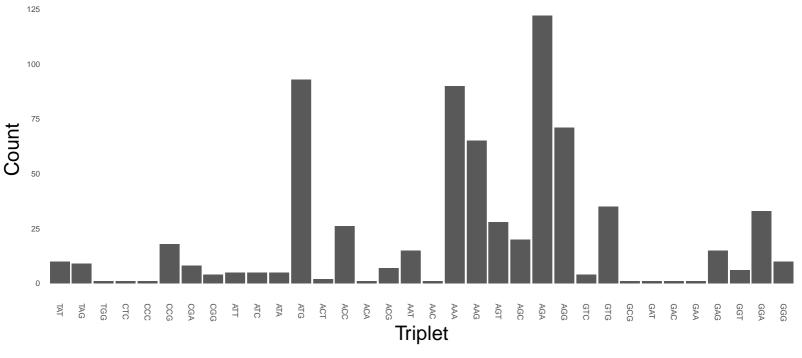


IGHV3-54*02_G170C- Final 3 nucleotides as a triplet 800 200 GAA
GAT
GGC
GCT
GGTG
AAG
AAG
AAG
AAG
AAC
AAT
CAA
ATT
C **Triplet** IGHV3-103*01_T19A_G24A_C27A_C38T_A39C_A40C_C120G_G157A- Final 3 nucleotides as **Triplet** IGHV4-65*02_A163T_G169A- Final 3 nucleotides as a triplet 600

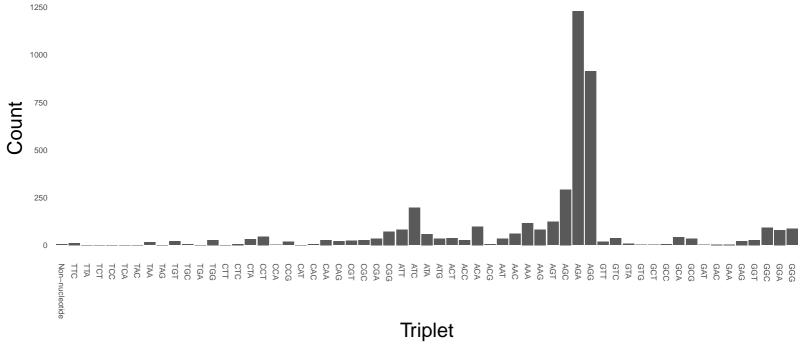
Count

Triplet

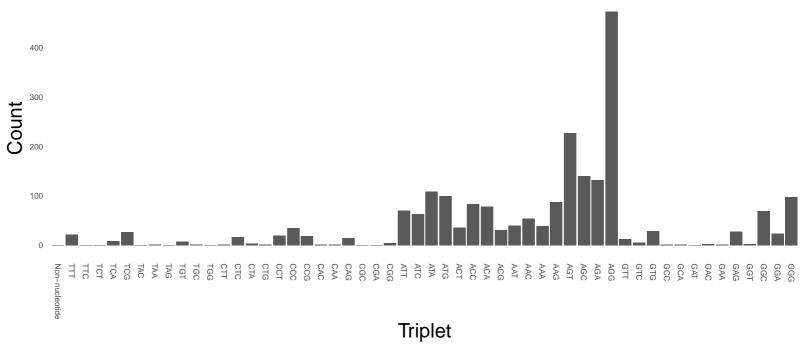
IGHV4-81*01_C4G_G21A_A27T_T255C- Final 3 nucleotides as a triplet



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

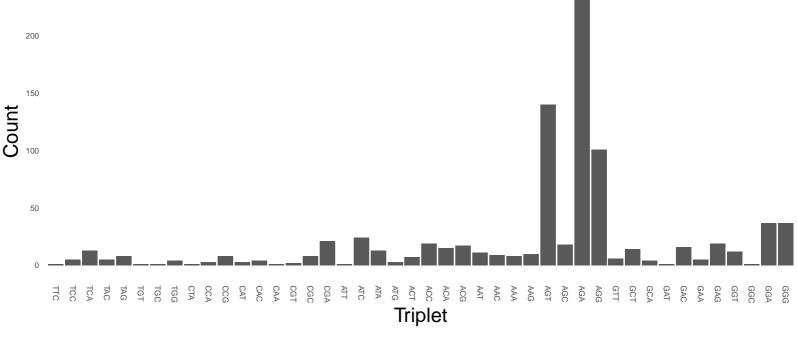


IGHV5-43*01_A51G- Final 3 nucleotides as a triplet

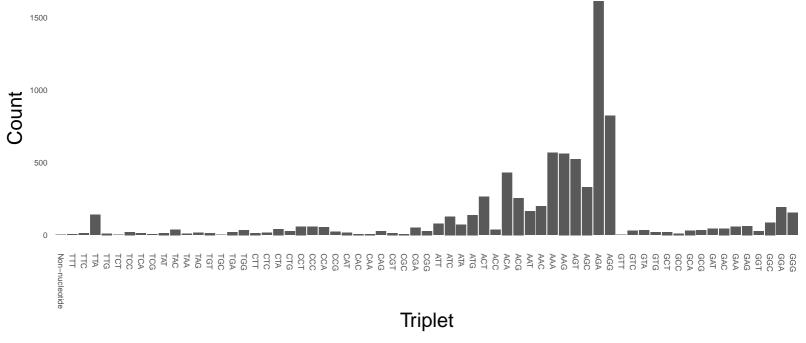


IGHV5-43*01_A106G- Final 3 nucleotides as a triplet Count AAA AGT CGT CGC ATC ACA ACG AAG AGC AGA AGG AAT AAC **Triplet** IGHV2-174*02_G175A_G195A_C196T_G197A_T210G_A289G- Final 3 nucleotides as a triplet 600 **Triplet** IGHV3-59*01_C69T_C86G_C118T_T136C_C163G_A172T_G175A_G176C_G197A_G198C_C2 1500 **Triplet**

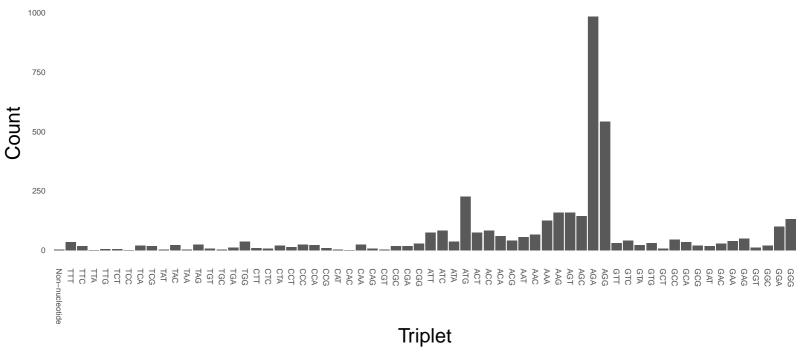
IGHV4-57*02_C87T_G199T_C207G_A239C_T255C- Final 3 nucleotides as a triplet



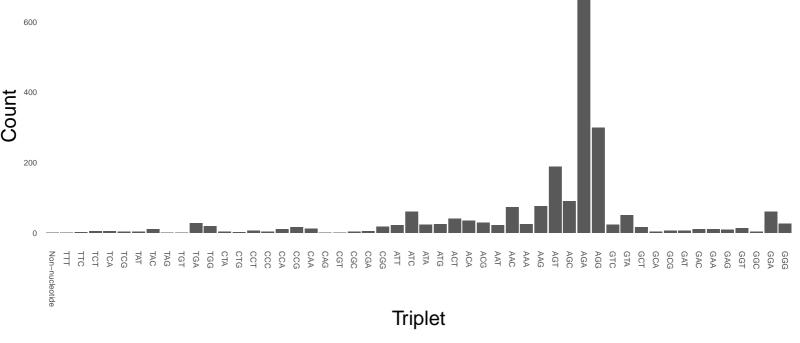
IGHV4-127*01_T189G_A196T_G246A- Final 3 nucleotides as a triplet



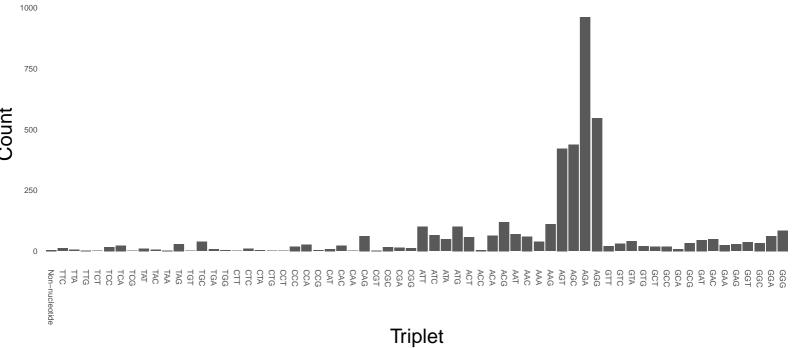
IGHV4-160*01_C133G_G147A- Final 3 nucleotides as a triplet



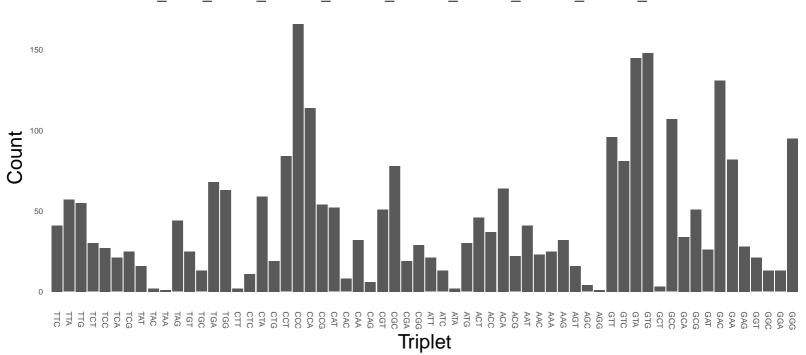
IGHV4S13*01_T85A_C137G_G267A_G289A- Final 3 nucleotides as a triplet



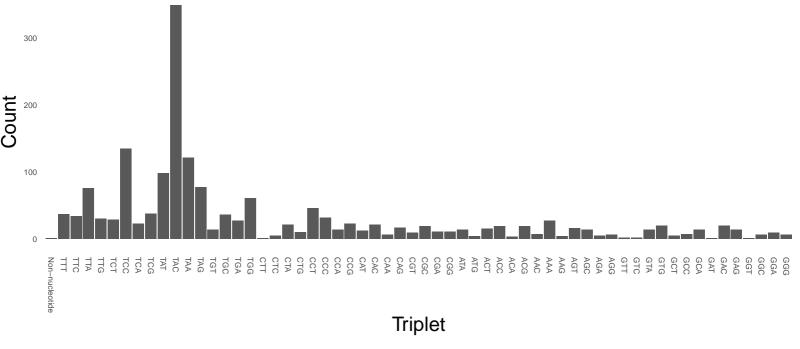
IGHV4S9*01_G32A_C87T_G103A_A104G_A110G_C111G_A118G_A119G_C297G- Final 3 nuc



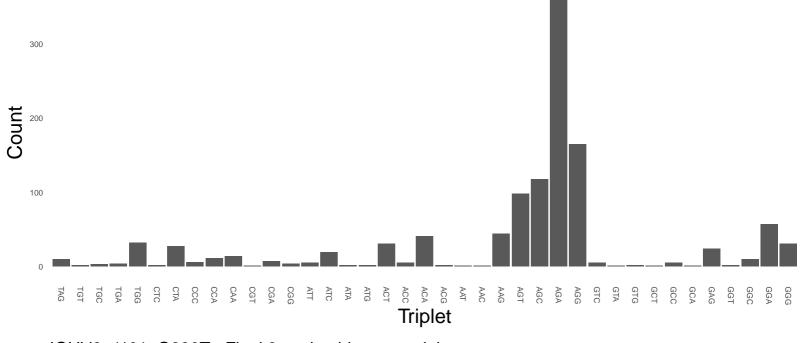
IGHV2-10*01_C6G_A23G_G112C_G118A_A119G_G121T_G141A_C205A_G210C- Final 3 nucl



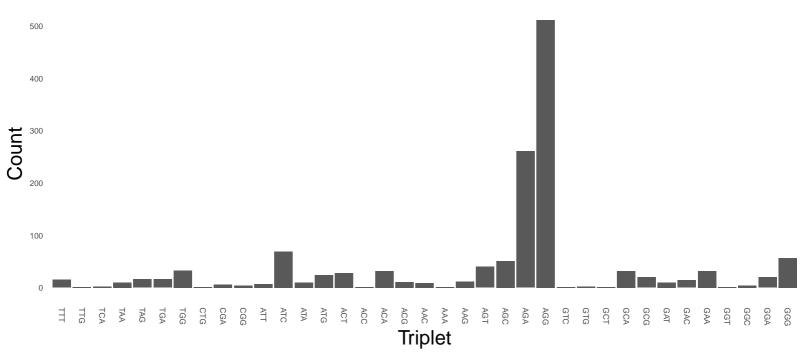
IGHV2S1*01_G289T- Final 3 nucleotides as a triplet

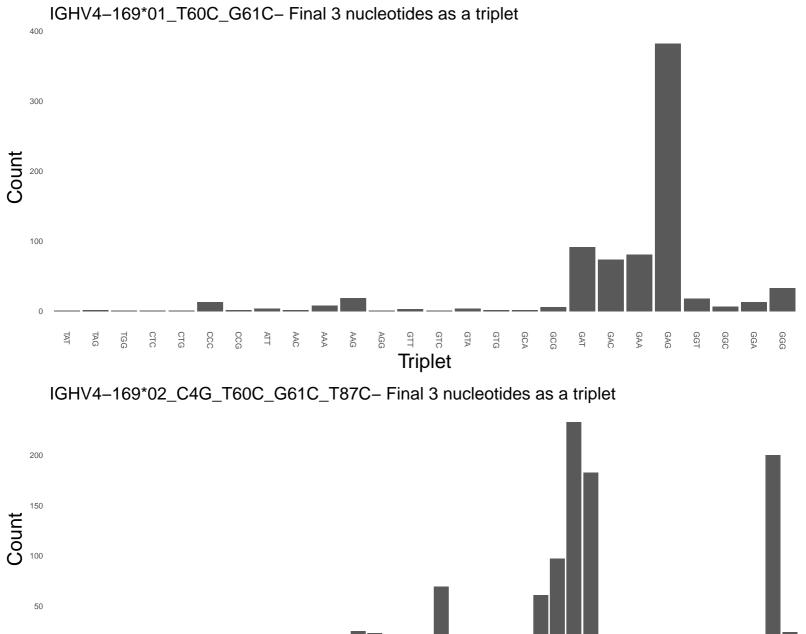


IGHV3-134*01_G32C_T38C_A40C_A48C_A118C_G119A_G132A_G175A_G184A_G191C_C194



IGHV6-1*01_G280T- Final 3 nucleotides as a triplet





 GAA

 GAA

 GAA

 GAA

 GAA

 GAA

 GAA

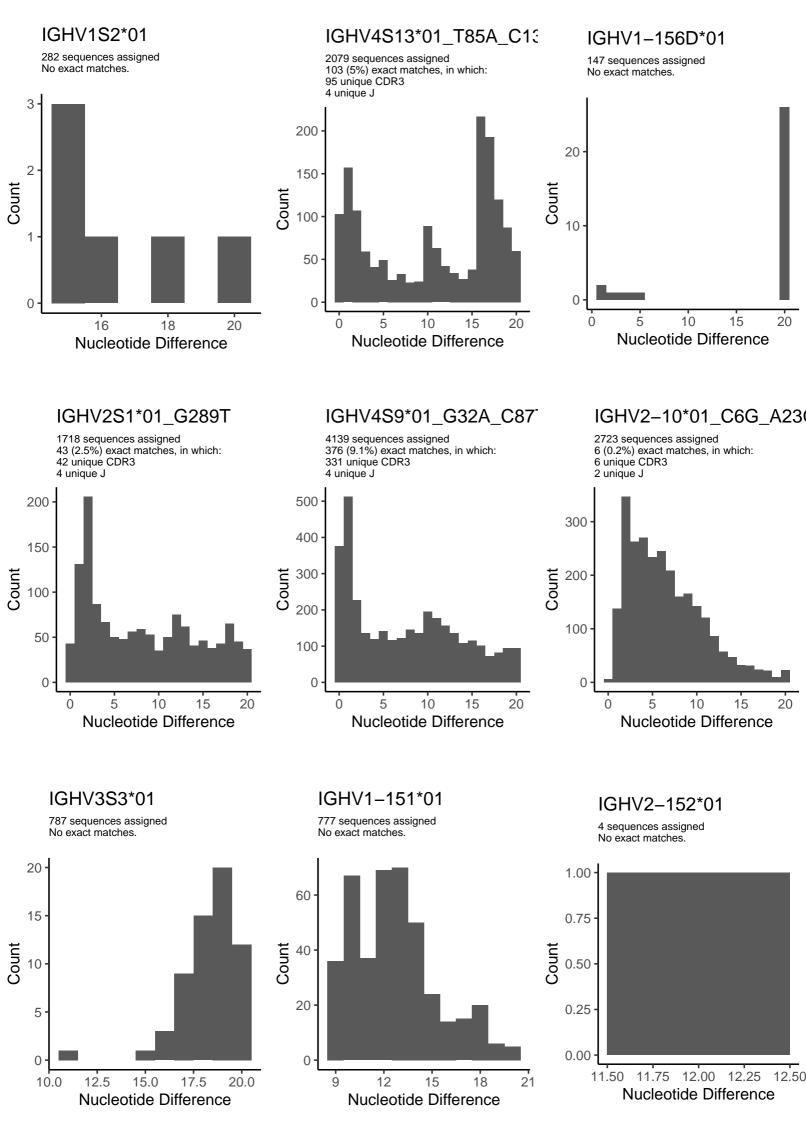
 AAGA

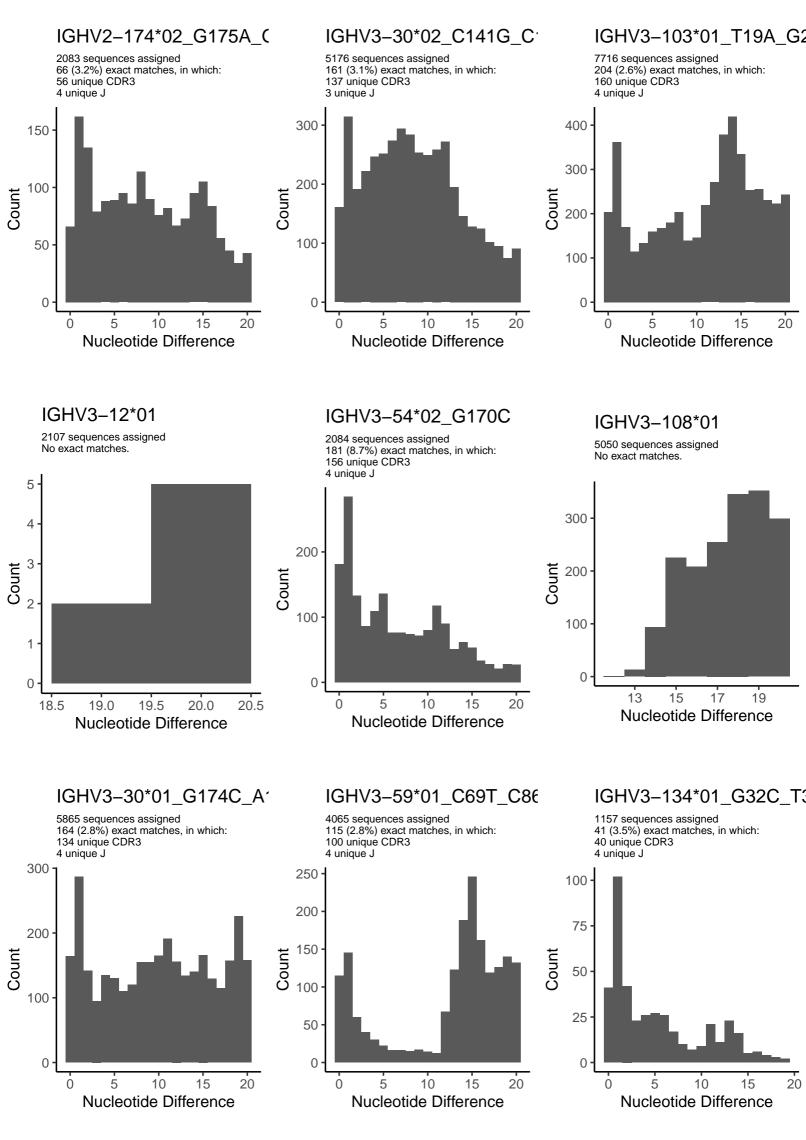
 AAAA

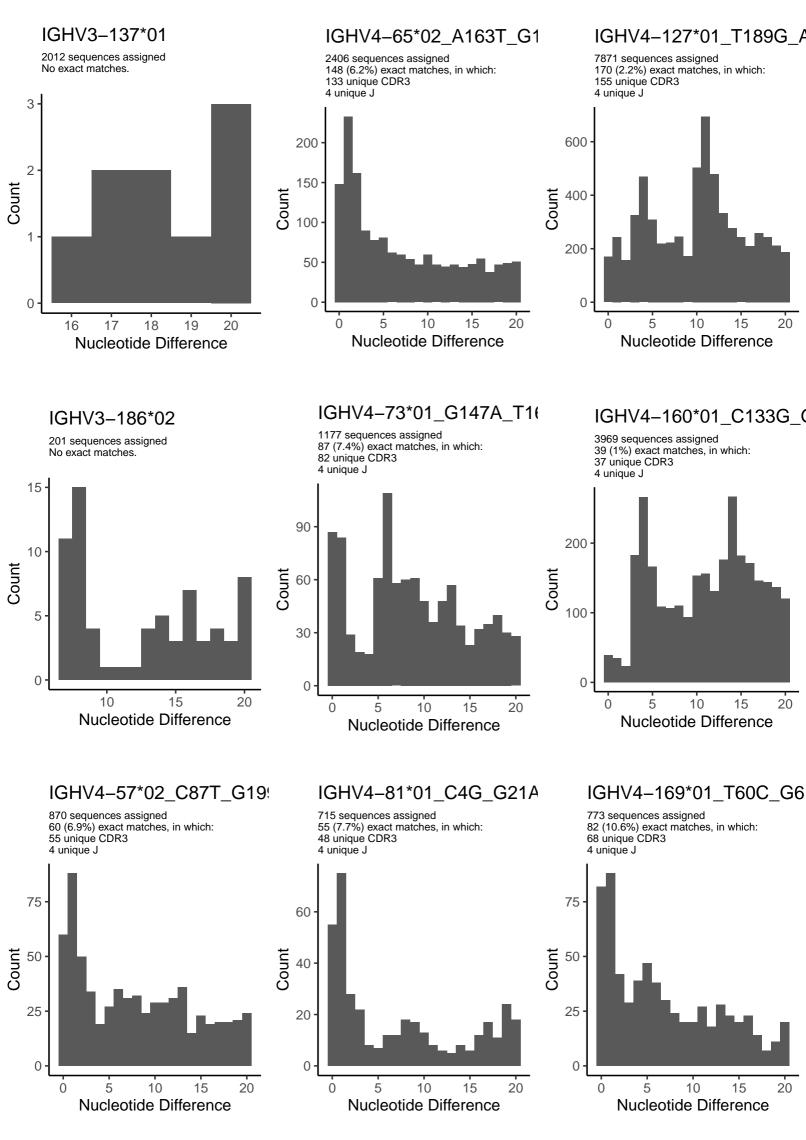
 AAAA

Triplet

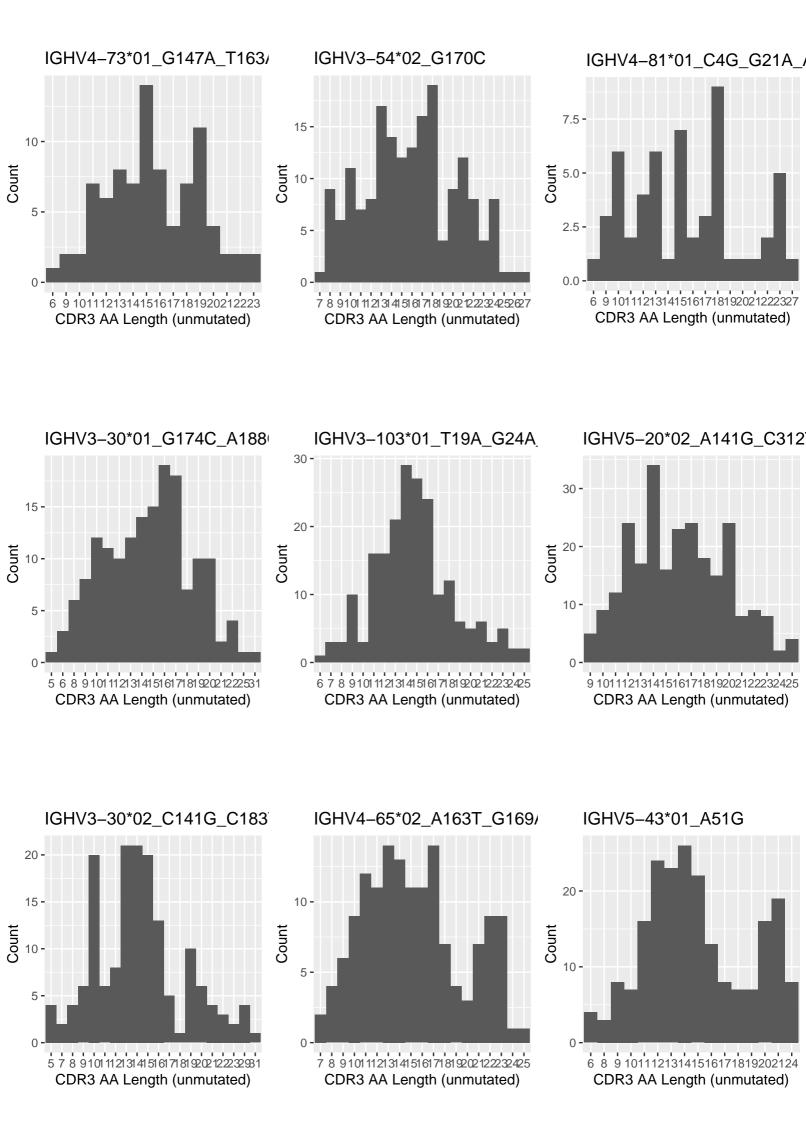
GGG GGA GGC GGT

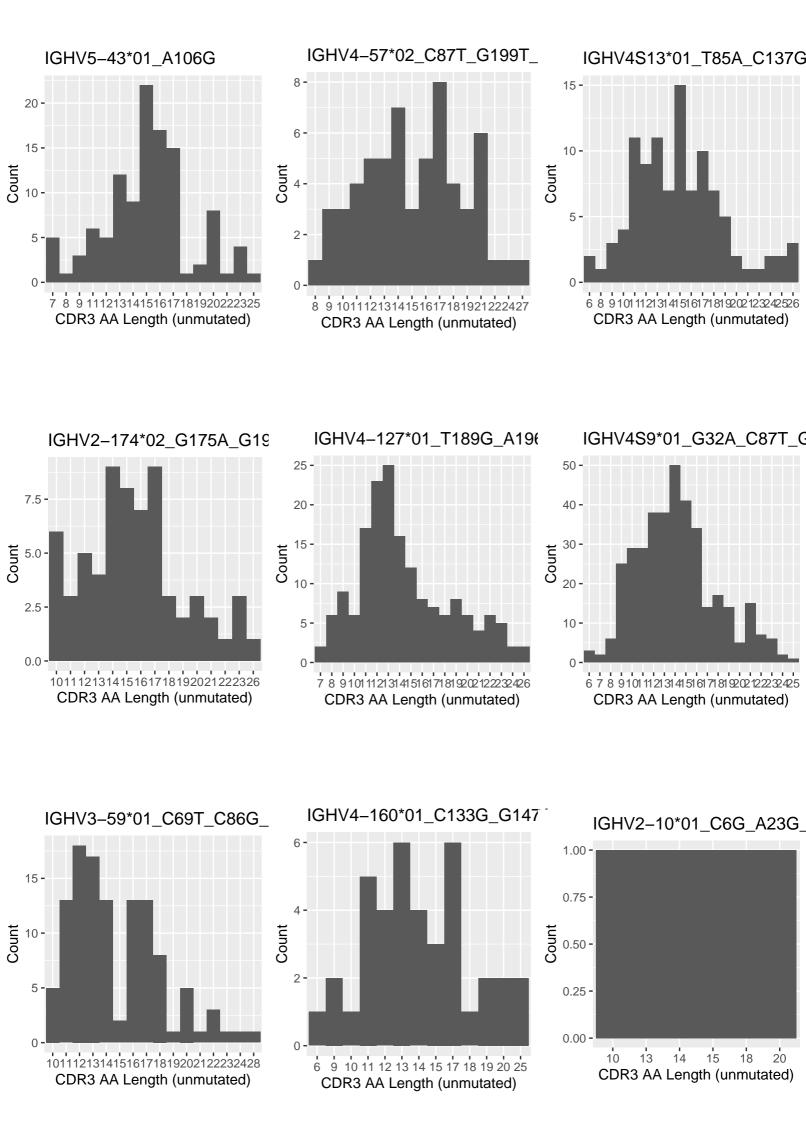


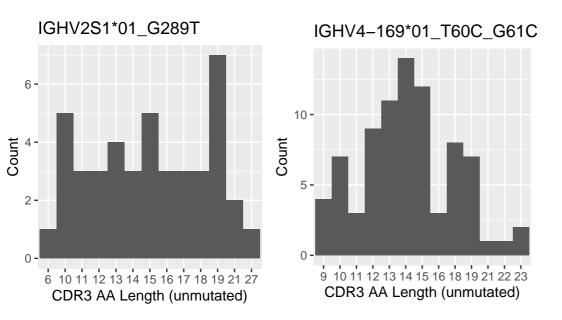


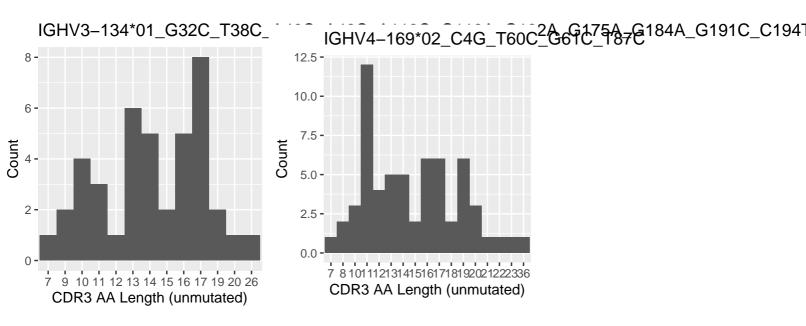


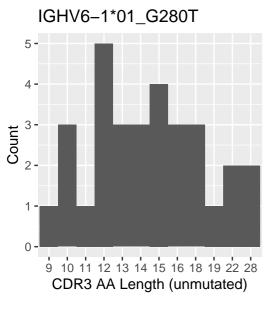
IGHV4-169*02_C4G_T60 IGHV5-43*01_A51G 1176 sequences assigned 61 (5.2%) exact matches, in which: 52 unique CDR3 2243 sequences assigned 211 (9.4%) exact matches, in which: 156 uniqué CDR3 4 unique J 4 unique J 500 75 400 300 Count 200 25 100 0 0 5 10 15 20 0 10 15 20 **Nucleotide Difference** Nucleotide Difference IGHV5-20*02_A141G_C IGHV6-1*01_G280T 4240 sequences assigned 252 (5.9%) exact matches, in which: 1366 sequences assigned 31 (2.3%) exact matches, in which: 206 uniqué CDR3 28 ùniqué CDR3 4 unique J 4 unique J 600 100 400 Count 50 200 0 0 5 10 15 20 5 10 15 20 0 0 **Nucleotide Difference Nucleotide Difference** IGHV7-94*01 IGHV5-43*01_A106G 14 sequences assigned 1019 sequences assigned No exact matches. 112 (11%) exact matches, in which: 89 unique CDR3 4 unique J 6 250 200 150 100 2 50 0 10 15 20 18 19 20 **Nucleotide Difference Nucleotide Difference**













Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.