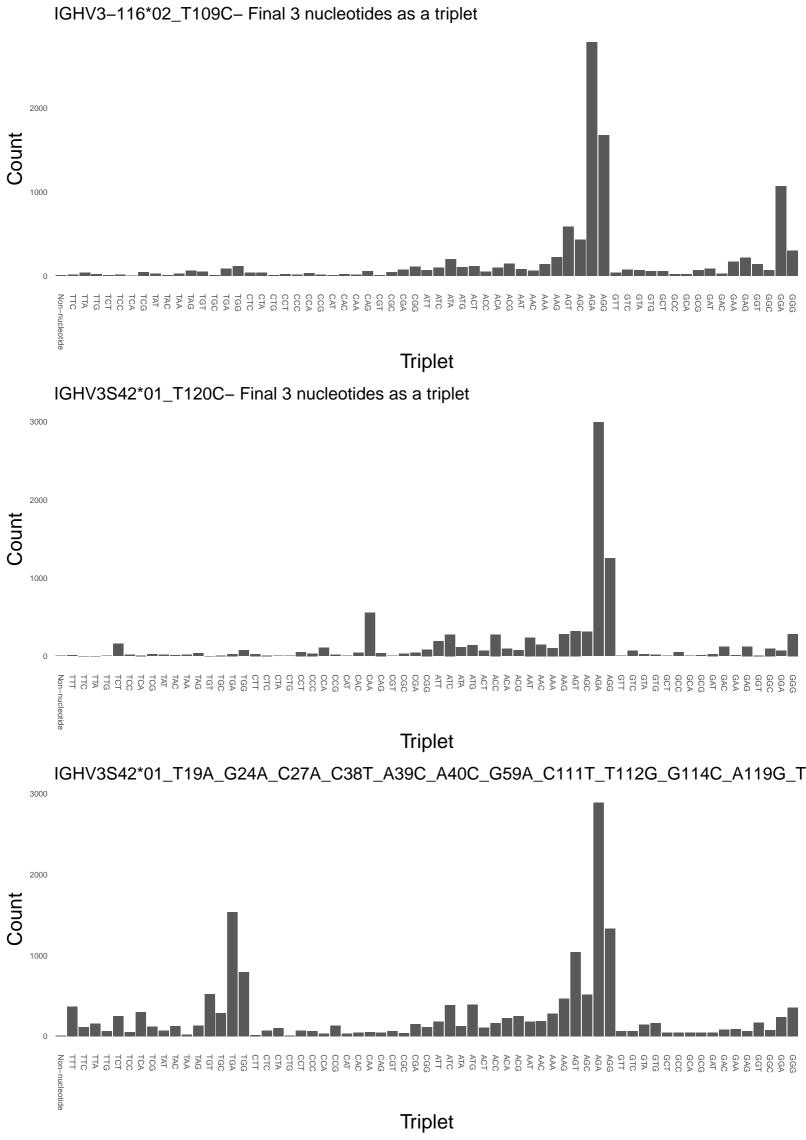
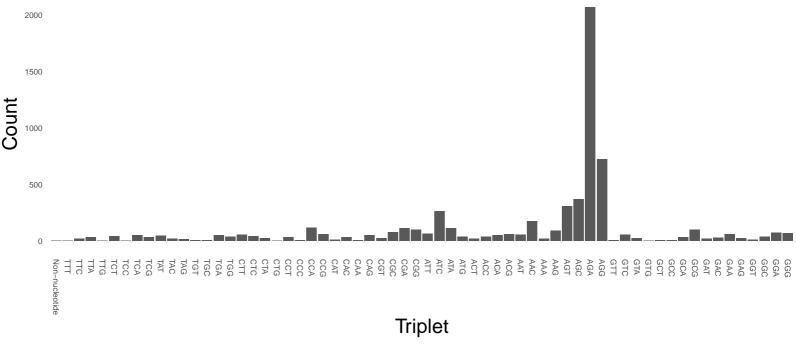


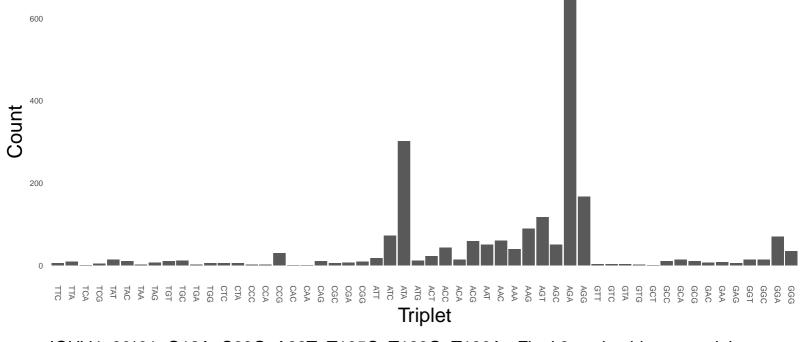
IGHV3-16*01_A51T_T78C_A119G_C264T- Final 3 nucleotides as a triplet 900 **Triplet** IGHV3-54*02_G170C- Final 3 nucleotides as a triplet 2000 **Triplet** IGHV3-54*02_T78C_T111C_A284G_T286G_C296T- Final 3 nucleotides as a triplet 1250 1000 **Triplet**



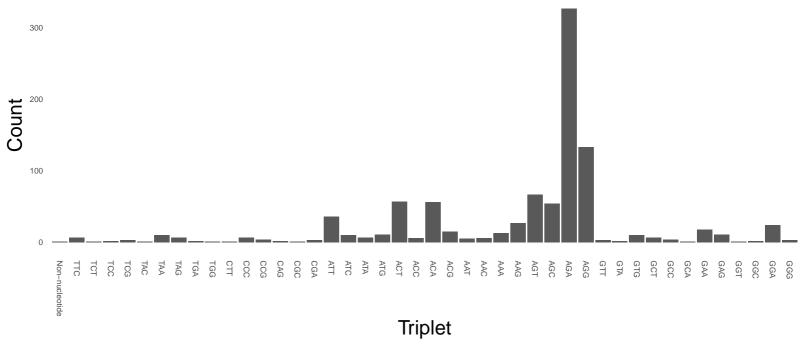
IGHV3-30*02_C141G- Final 3 nucleotides as a triplet



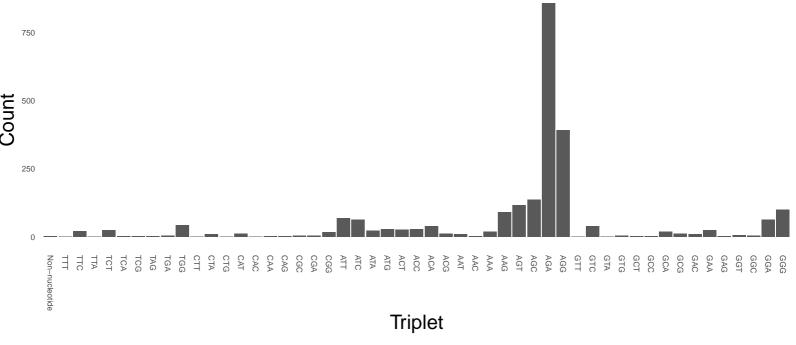
IGHV4-80*01_C83G_A88T_T105C_T189G_T196A_G297C- Final 3 nucleotides as a triplet



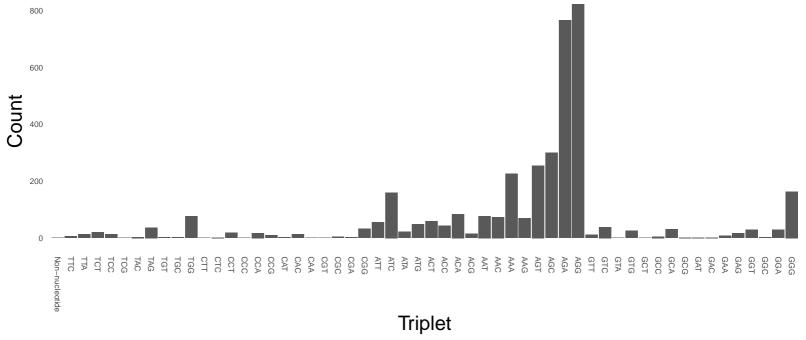
IGHV4-80*01_G12A_C83G_A88T_T105C_T189G_T196A- Final 3 nucleotides as a triplet



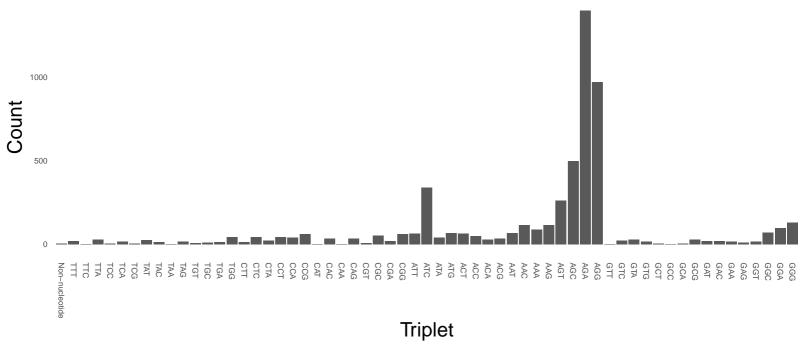
IGHV5-20*02_A141G_C312T- Final 3 nucleotides as a triplet



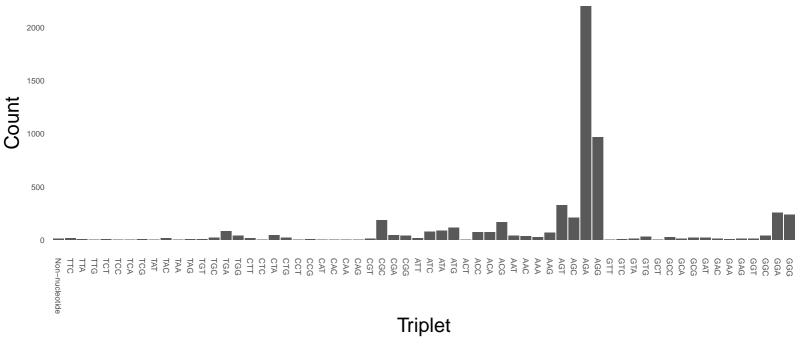
IGHV5-20*02_A141G_A295T_C312T- Final 3 nucleotides as a triplet



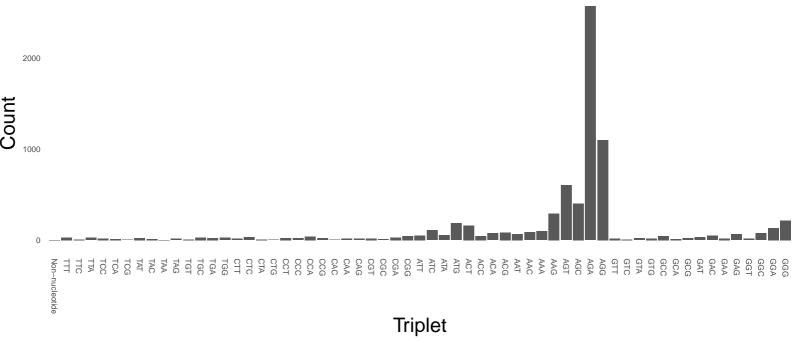
IGHV3-103*01_T19A_G24A_C27A_C38T_A39C_A40C_C120G_G157A- Final 3 nucleotides as



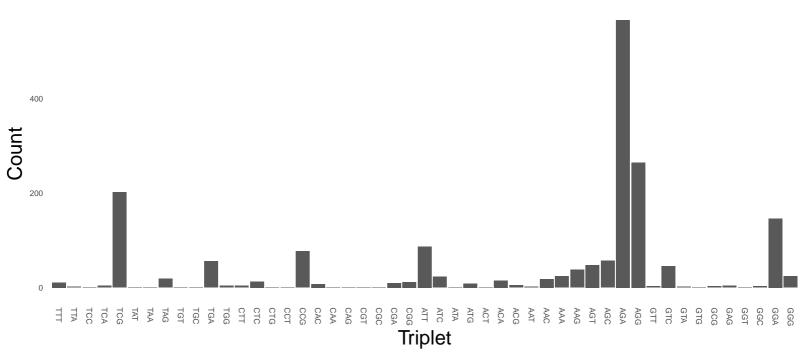
IGHV3-134*01_A3G_A39C_A40C_A48C_G87C_A118C_G119A_C163A_G175A_G184A_G1910



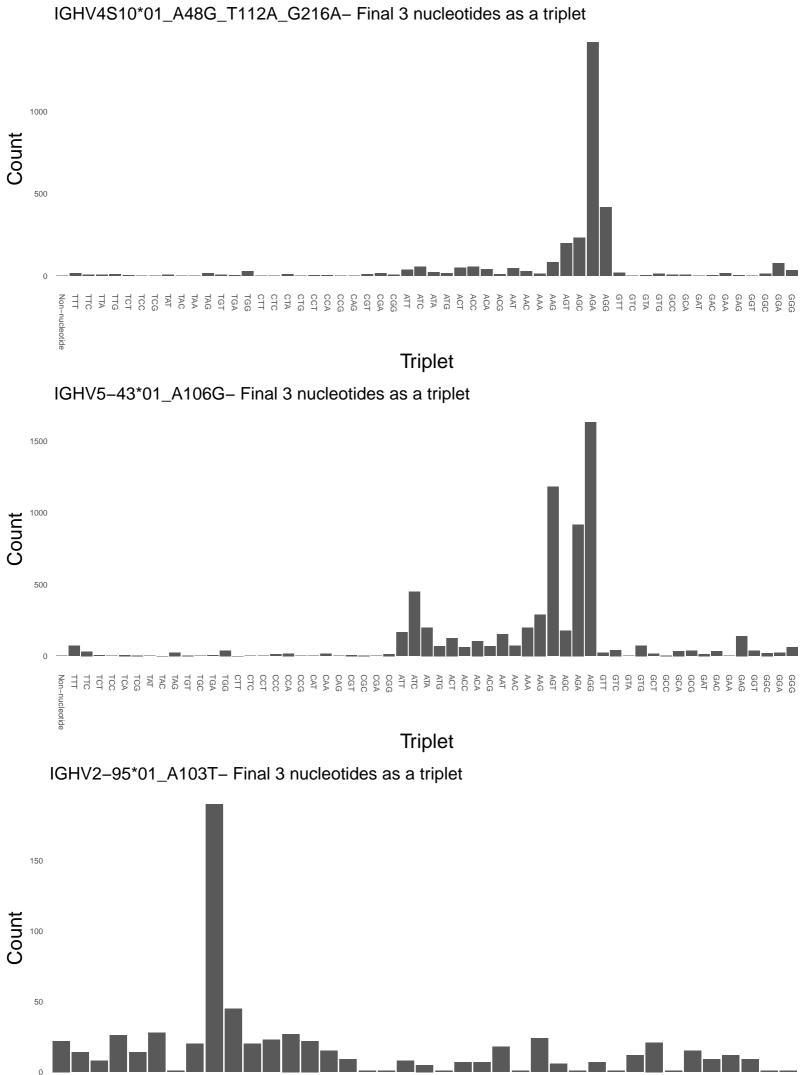
IGHV4-65*02_A163T_G169A- Final 3 nucleotides as a triplet



IGHV4-73*01_G147A- Final 3 nucleotides as a triplet



IGHV4-76*01_C34G_G103A_A244G- Final 3 nucleotides as a triplet GGGA AGGA AAGGA AA **Triplet** IGHV4-92*01_G70A_A103G_G104A_A109T_G113A_G114C_G119A_G132A_T159G_C170A_G 1500 Count **Triplet** IGHV4-122*02_G82T_G83A- Final 3 nucleotides as a triplet 250 CCCA
CCTC
CTT
CTTGG
TTGG
TTGC
TTCC
TTTAA
TTCC
TTTA **Triplet**



CCC CAC

Triplet

ATA
ATC
ATT
CGC
CGT

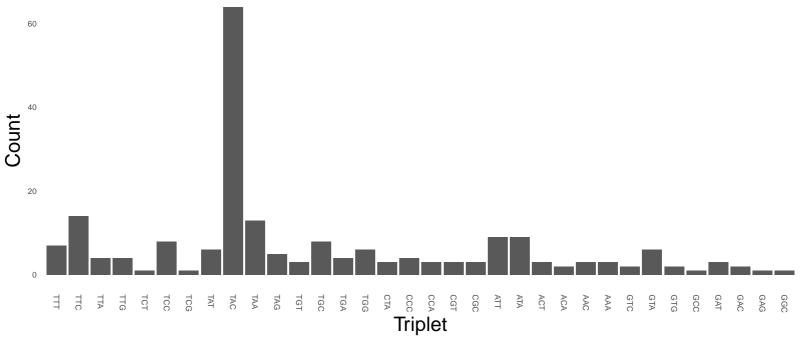
ACA ACC ACT

GTA GTC AGG AAA AAC

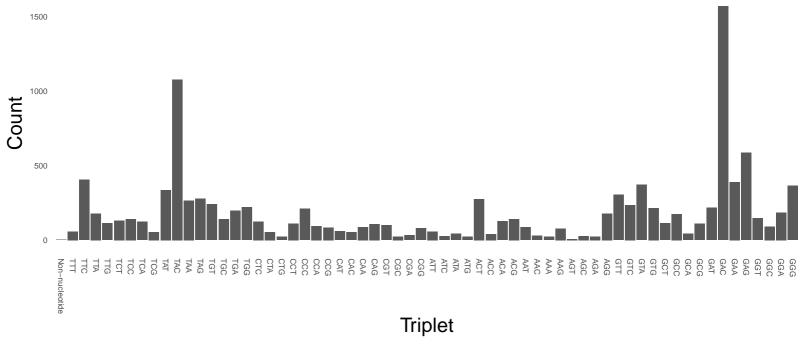
CTA

TGT

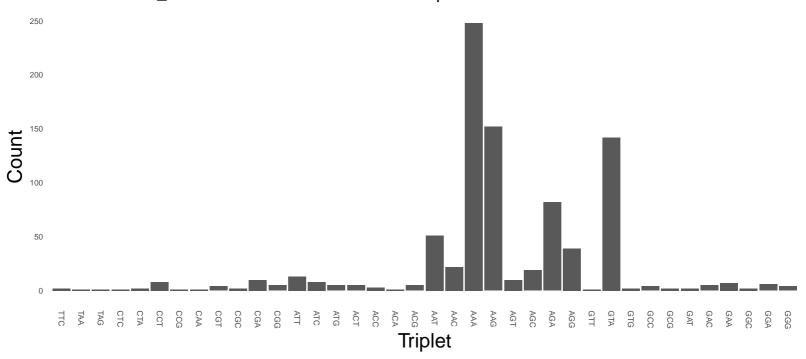
IGHV2-95*01_A103T_G289T- Final 3 nucleotides as a triplet



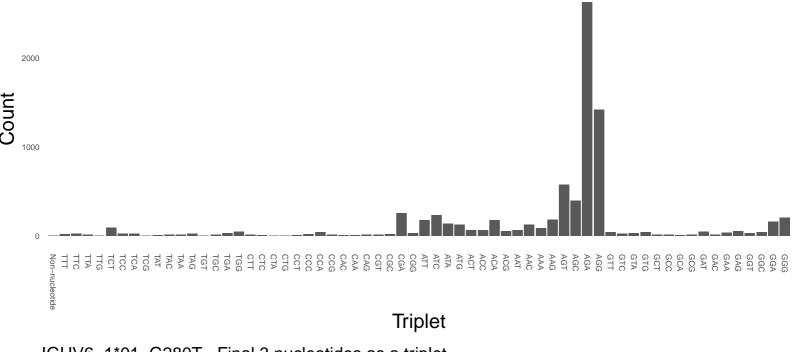
IGHV2S1*01_G289T- Final 3 nucleotides as a triplet



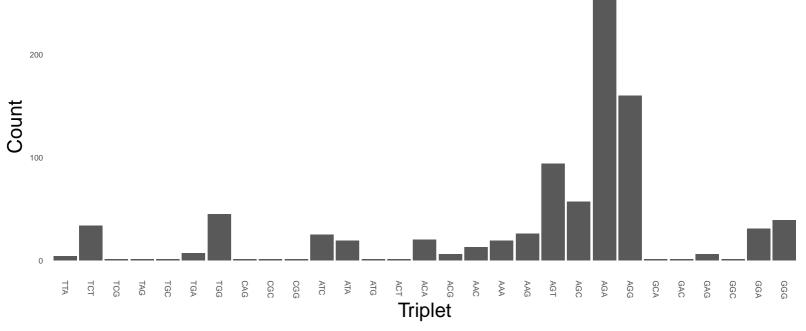
IGHV4-81*01_G280T- Final 3 nucleotides as a triplet



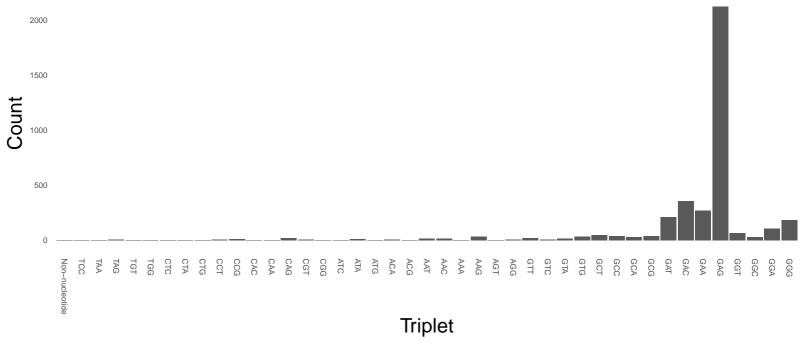
IGHV4S2*01_G248C- Final 3 nucleotides as a triplet



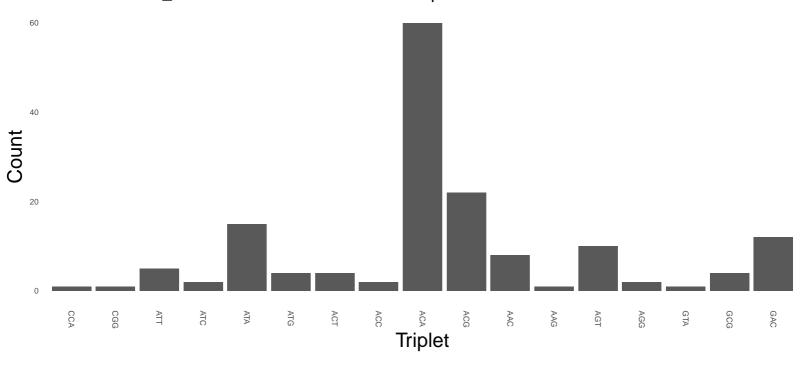
IGHV6-1*01_G280T- Final 3 nucleotides as a triplet

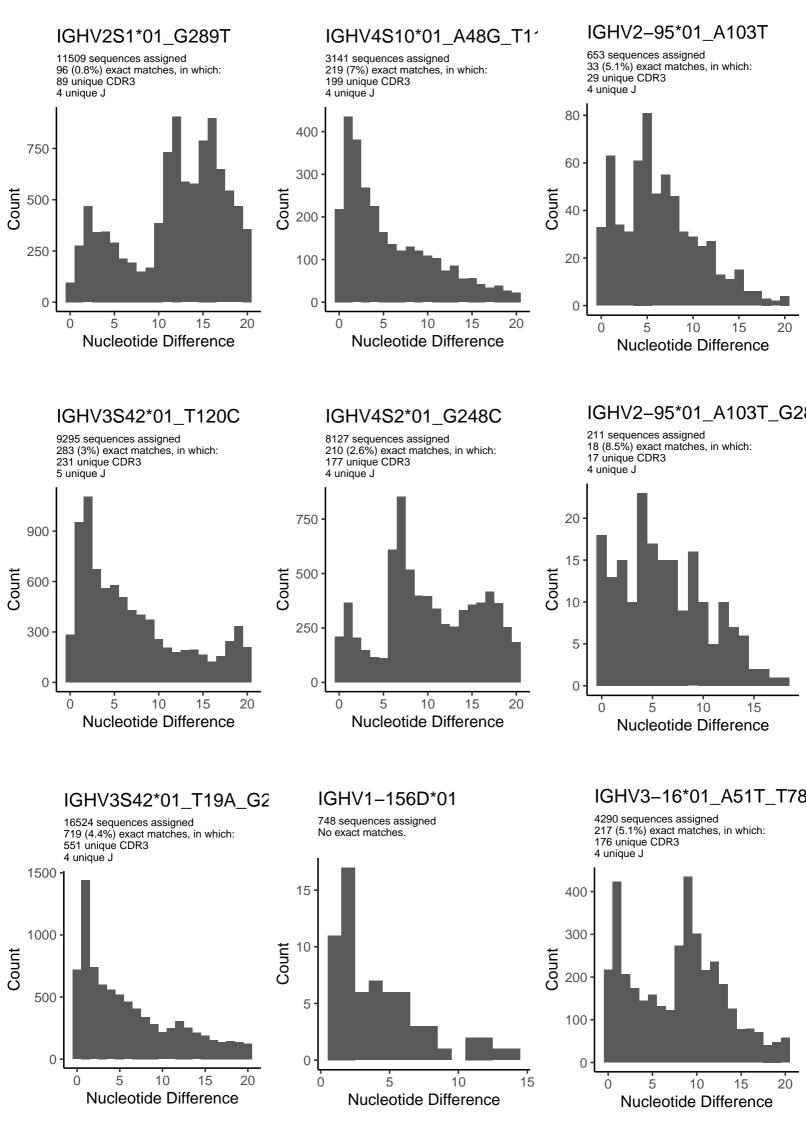


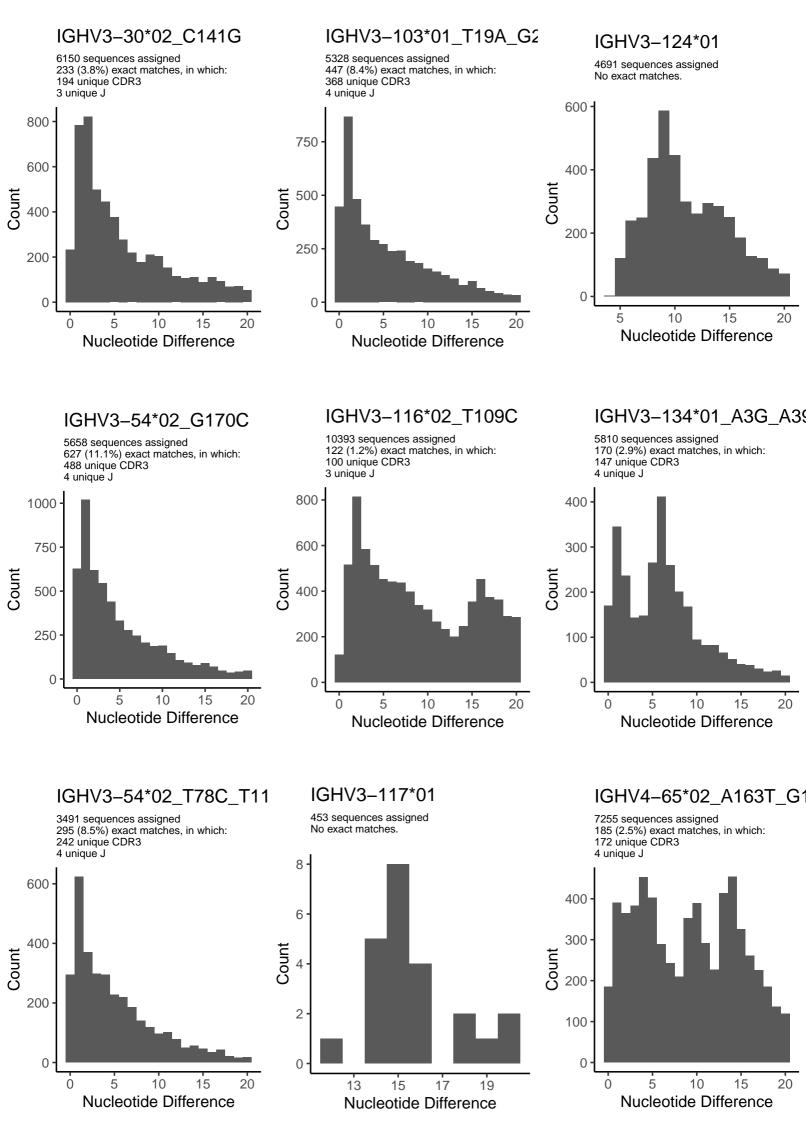
IGHV4-169*01_C4G_C47T_T60C_G61C_G110A_G162C_C259T- Final 3 nucleotides as a triple

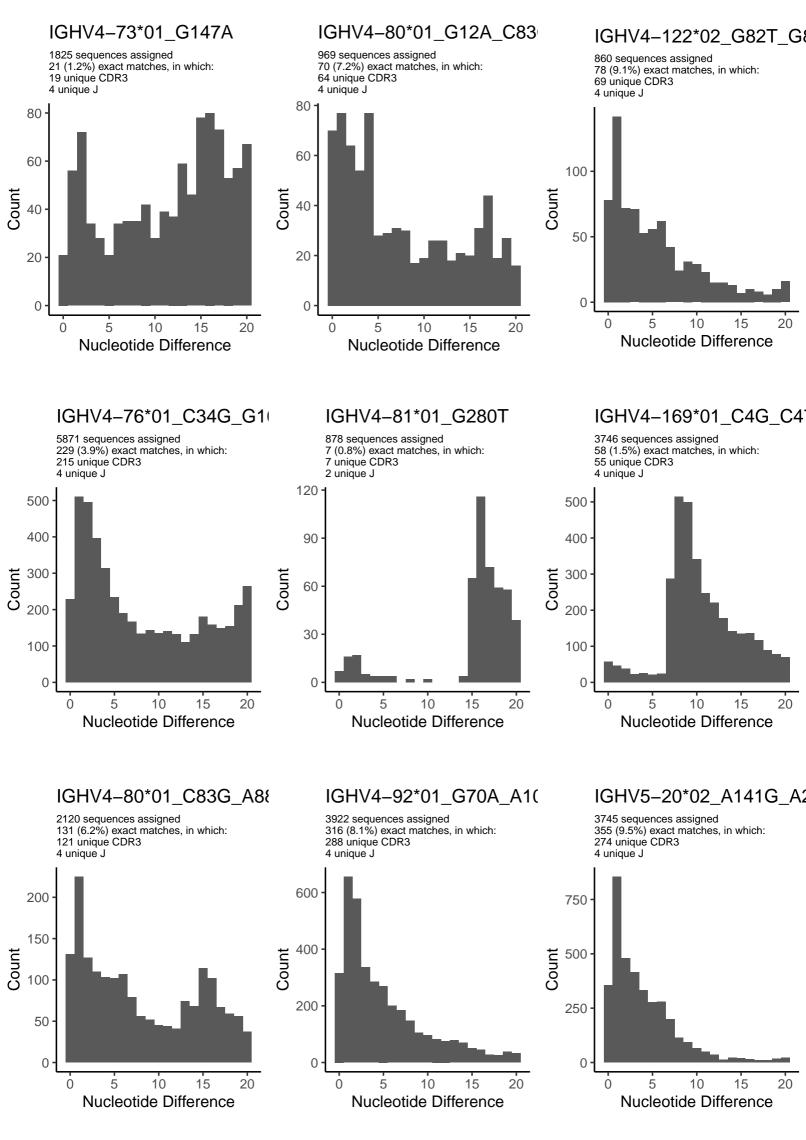


IGHV7-193*01_C89T- Final 3 nucleotides as a triplet



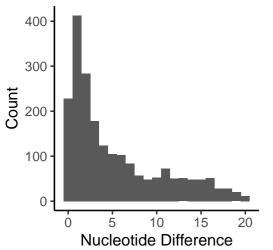






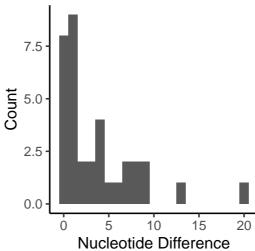
IGHV5-20*02_A141G_C

2375 sequences assigned 228 (9.6%) exact matches, in which: 179 unique CDR3 4 unique J



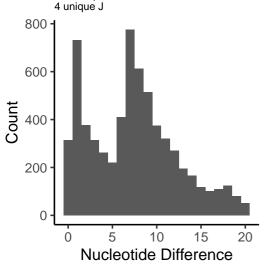
IGHV7-193*01_C89T

154 sequences assigned 8 (5.2%) exact matches, in which: 8 unique CDR3 3 unique J



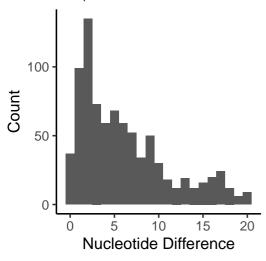
IGHV5-43*01_A106G

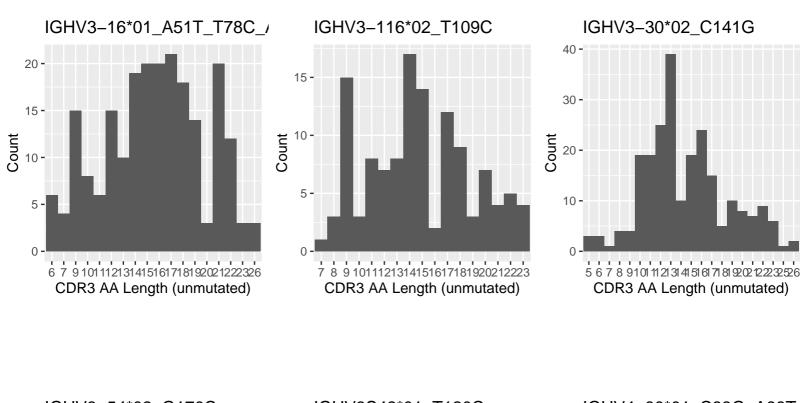
6738 sequences assigned 315 (4.7%) exact matches, in which: 242 unique CDR3

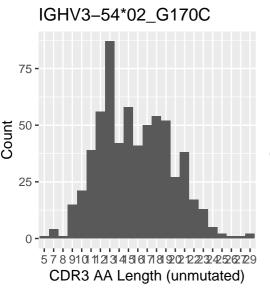


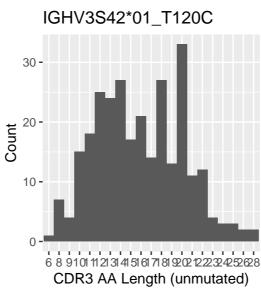
IGHV6-1*01_G280T

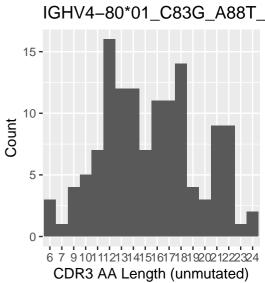
876 sequences assigned 37 (4.2%) exact matches, in which: 32 unique CDR3 2 unique J

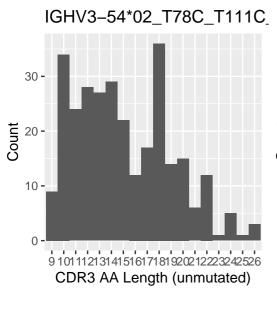


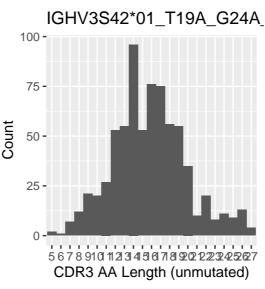


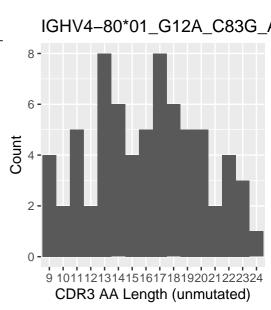


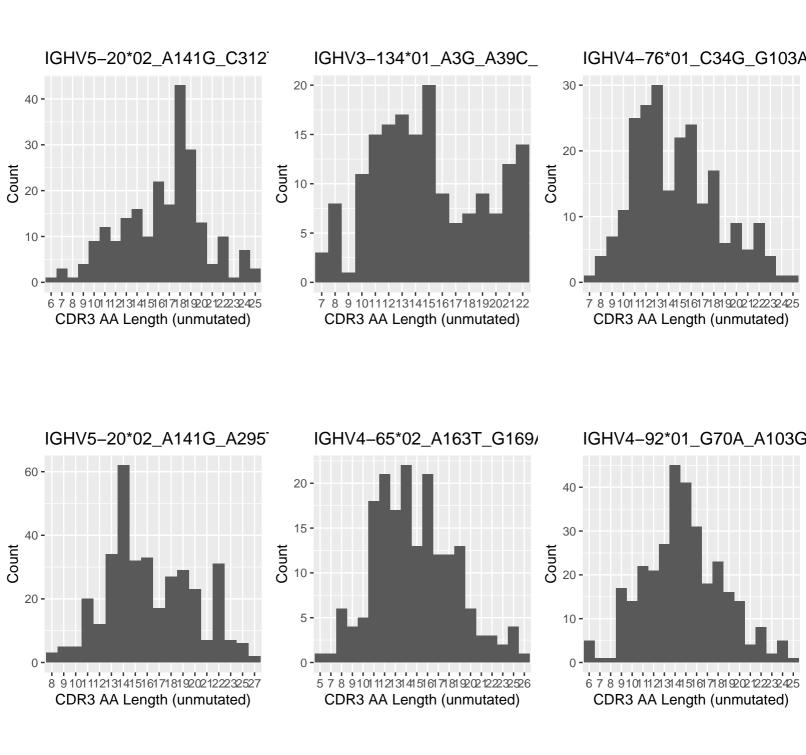


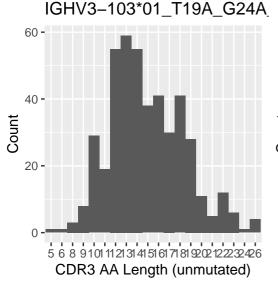


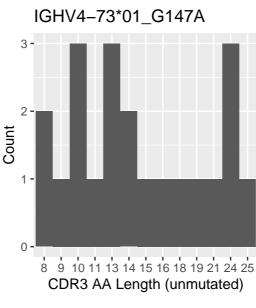


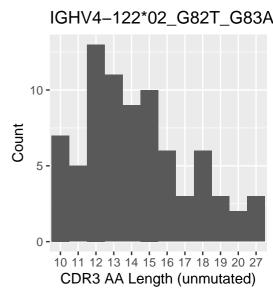


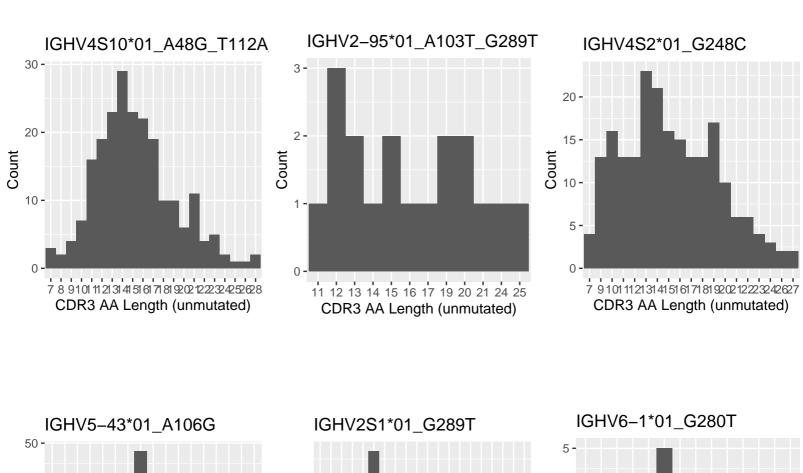


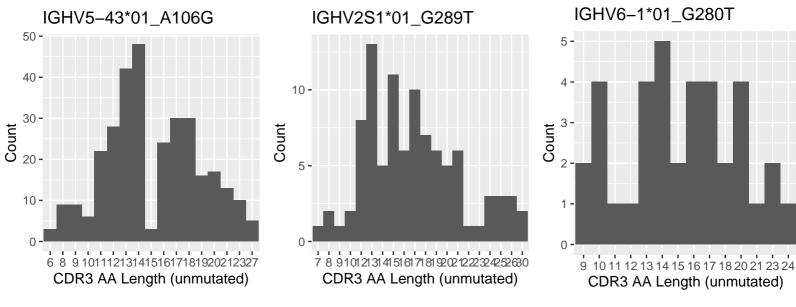


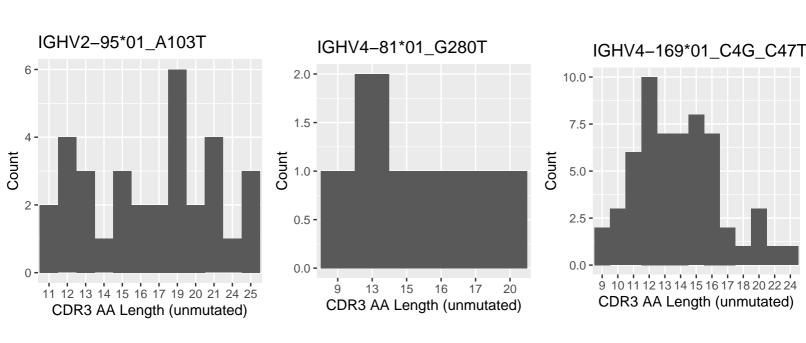


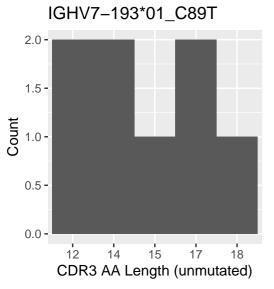














Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.