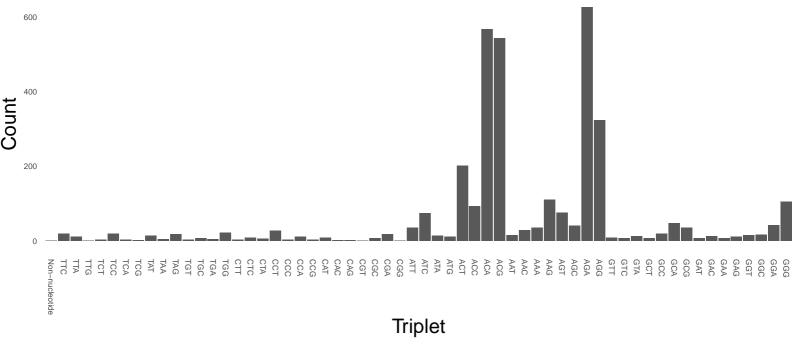
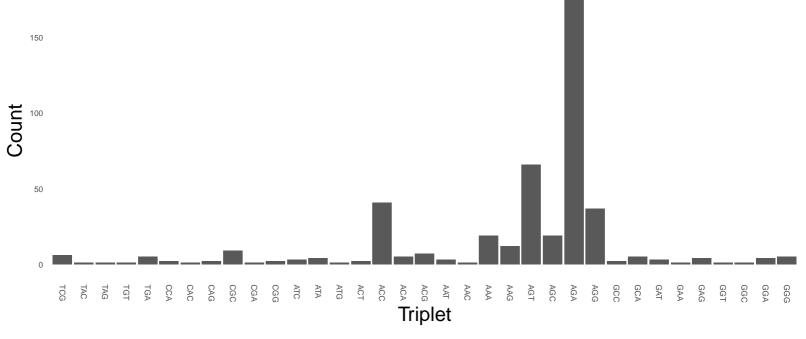


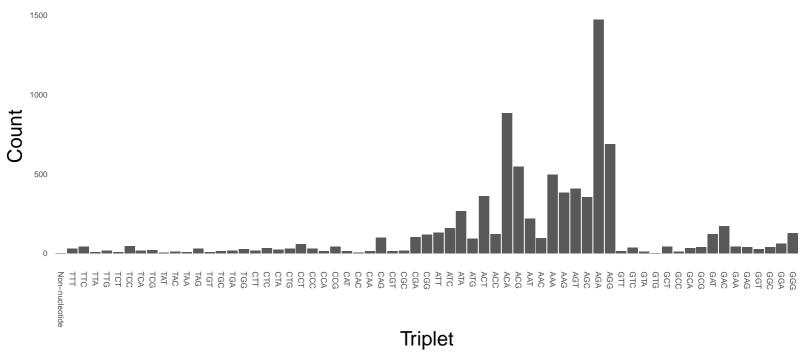
IGHV4-73*01_G147A- Final 3 nucleotides as a triplet



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

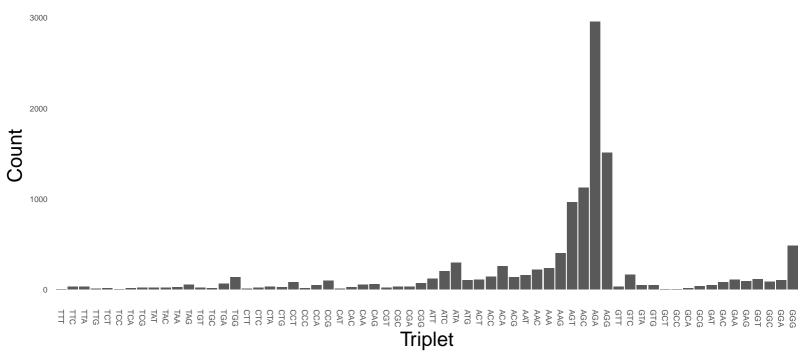


IGHV4-147*01_G82T_G83A_A162G_C163T_G164A_A196T_G197A_C215A_G291A- Final 3 nu



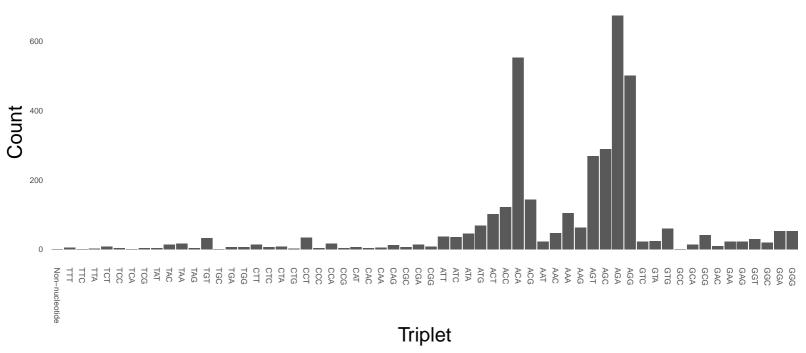
IGHV3-103*01_T19A_G24A_C27A_C38T_A39C_A40C_C120G_G157A- Final 3 nucleotides as a

Triplet
IGHV3-103*01_G24A_C27A_C38T_A39C_A40C_C113G_T114C_C118A_A119G_G163T_C164A

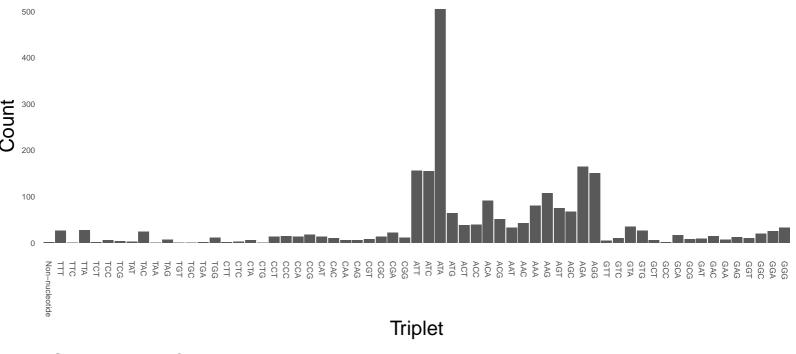


IGHV4-65*01_G297C- Final 3 nucleotides as a triplet

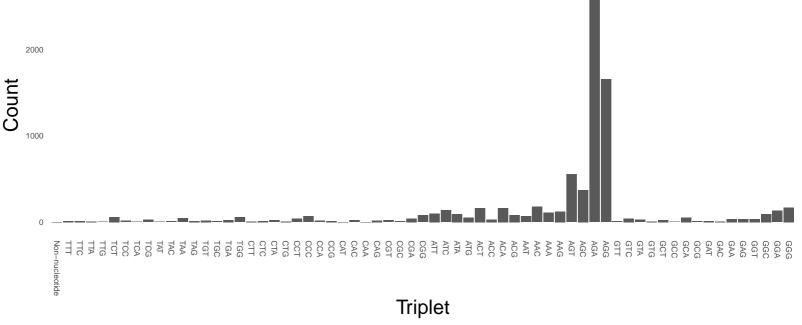
1000



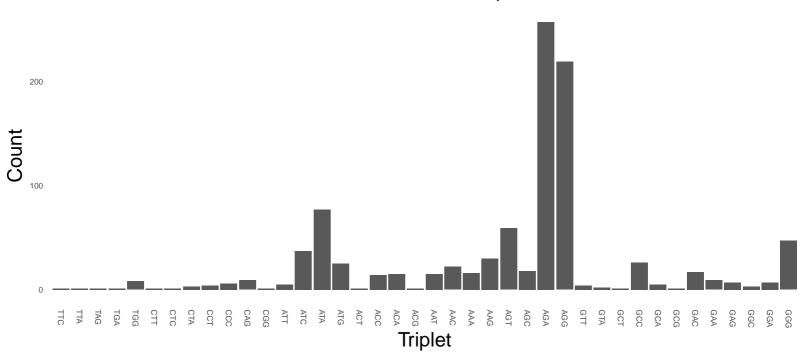
IGHV4-80*01_C83G_A88T_T105C_T189G_T196A- Final 3 nucleotides as a triplet



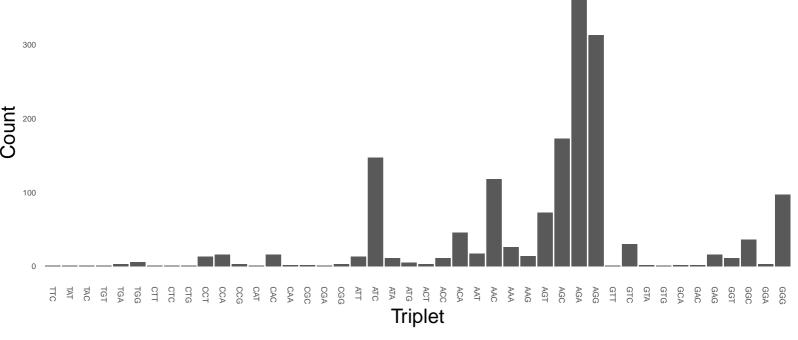
IGHV4-173*01_C47T- Final 3 nucleotides as a triplet



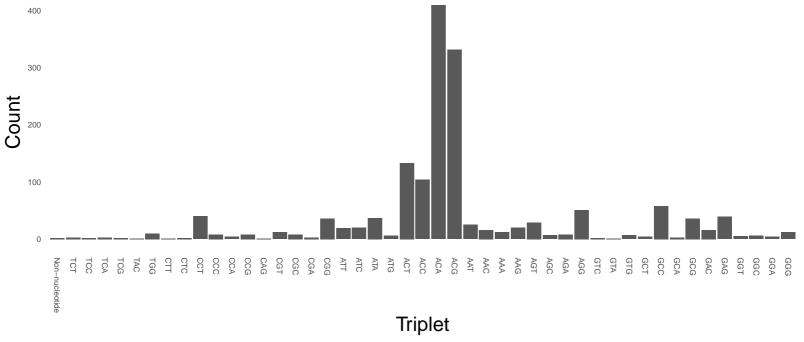
IGHV5-20*02_A295T_C312T- Final 3 nucleotides as a triplet



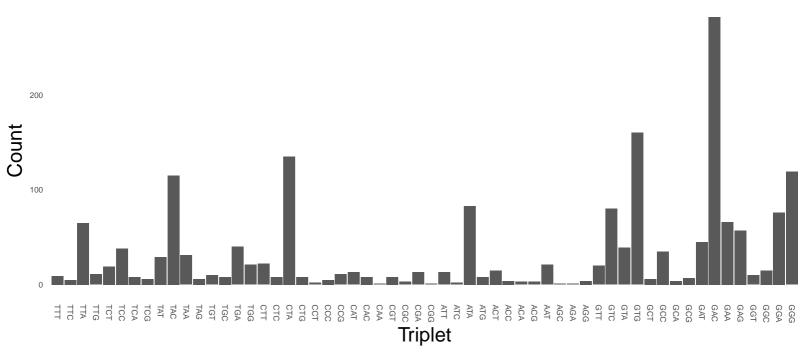
IGHV5-20*02_A141G_G259A_C312T- Final 3 nucleotides as a triplet



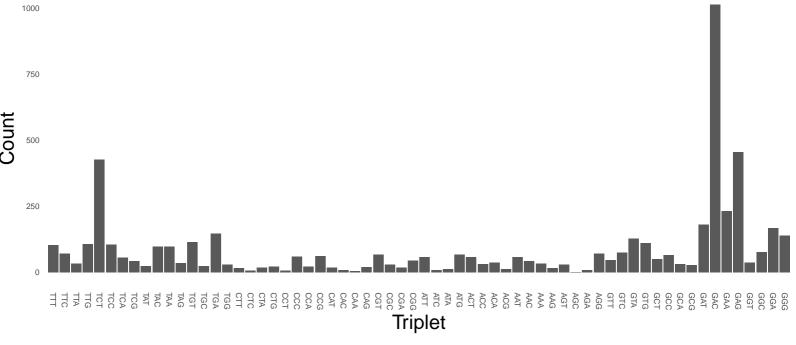
IGHV7-114*01_T81A_G112T_G113C_A118C_A261G- Final 3 nucleotides as a triplet



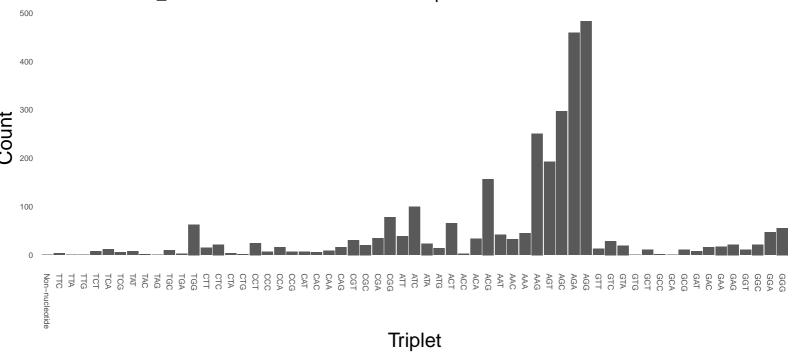
IGHV2-161*01_C34T_A88C_A103T_G141A_A153G_T159G_A163C_T169G_G187A_G240A_G2

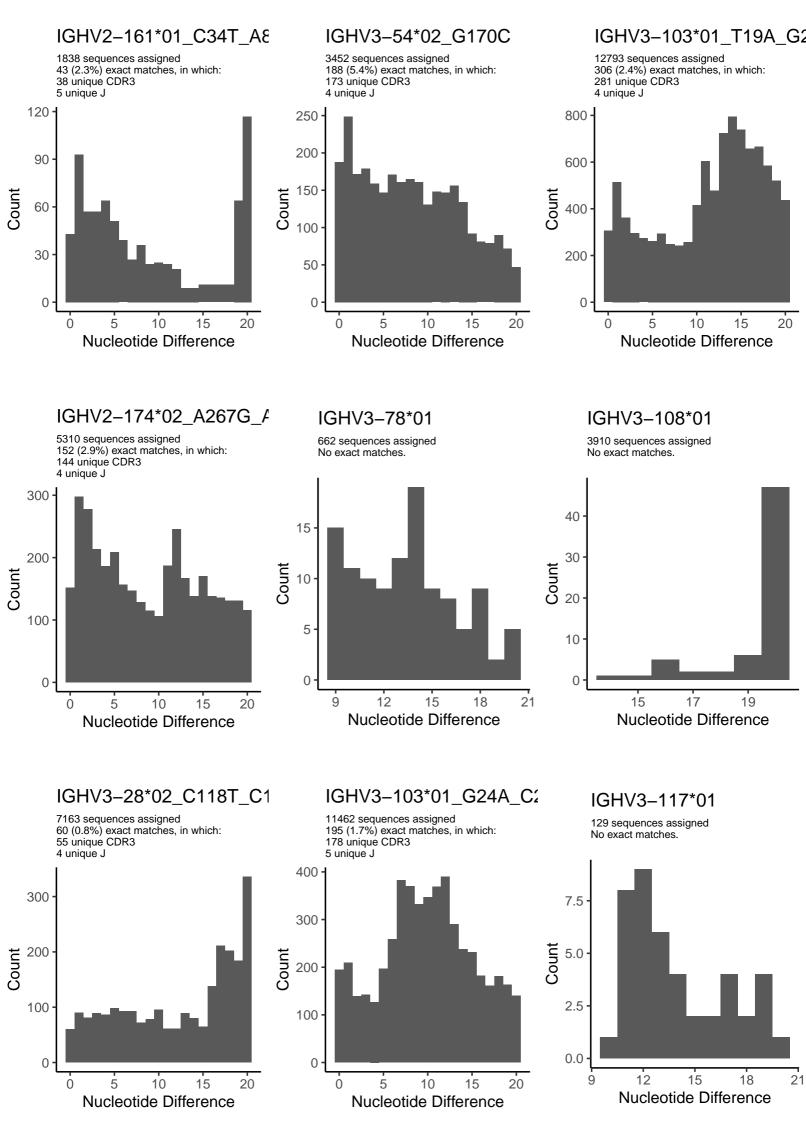


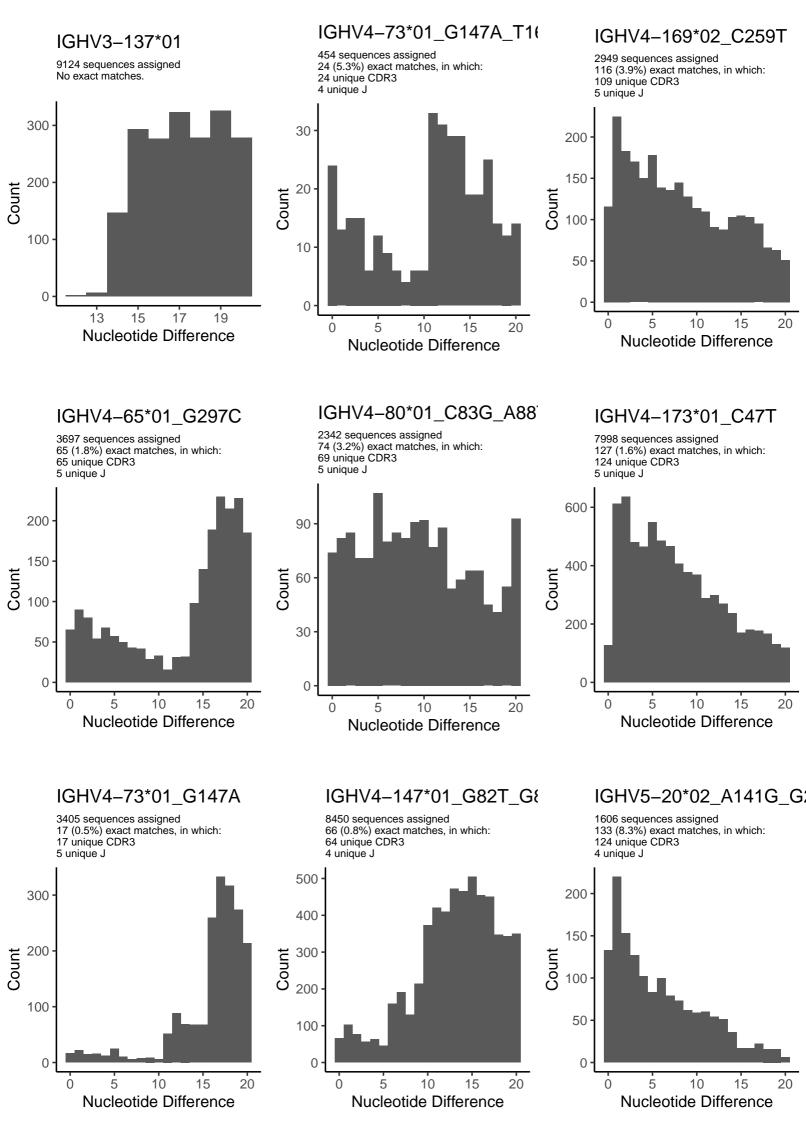
IGHV2-174*02_A267G_A289G- Final 3 nucleotides as a triplet



IGHV4-169*02_C259T- Final 3 nucleotides as a triplet

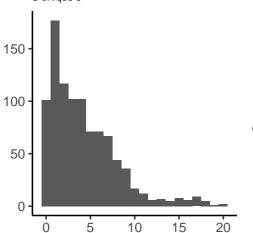






IGHV5-20*02_A295T_C3

977 sequences assigned 101 (10.3%) exact matches, in which: 92 unique CDR3 5 unique J



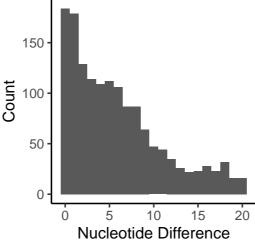
Nucleotide Difference

Count

IGHV7-114*01_T81A_G112T_G113C_A118C_A261G

1566 sequences assigned 184 (11.7%) exact matches, in which: 177 unique CDR3

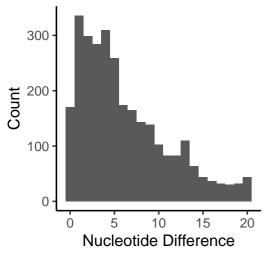
4 unique J



IGHV5-43*01_A109T_G110A_G164T_C165G_A203G_C225G_T231C_A259G

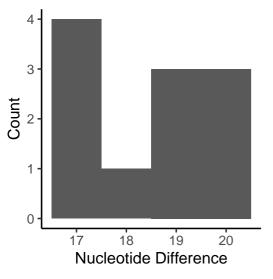
3087 sequences assigned 170 (5.5%) exact matches, in which: 152 uniqué CDR3

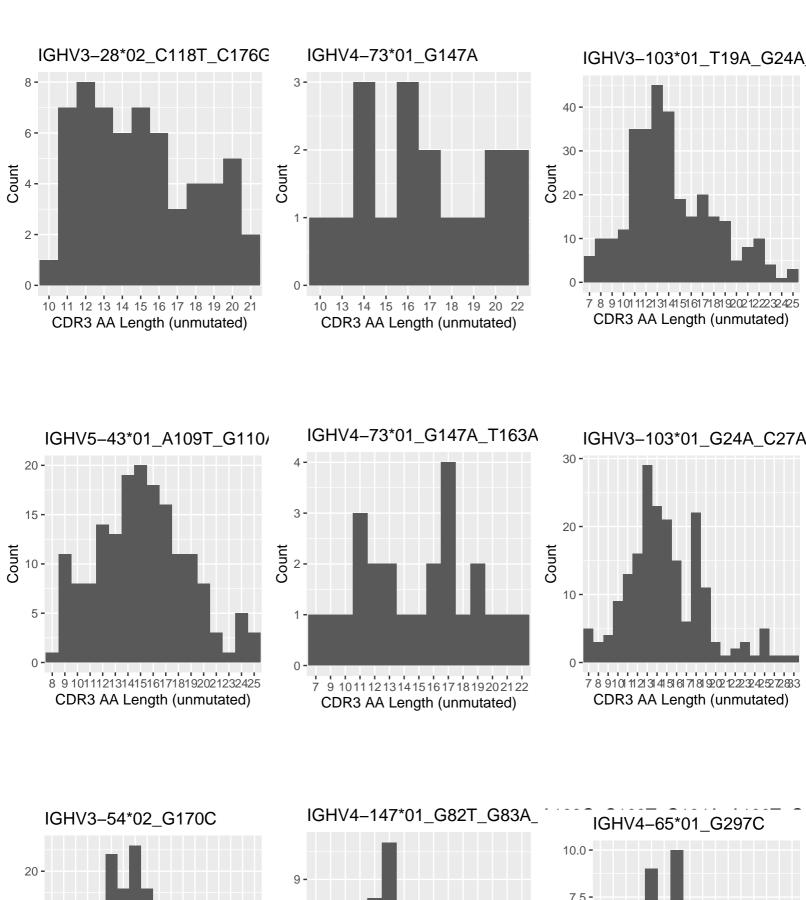
5 unique J

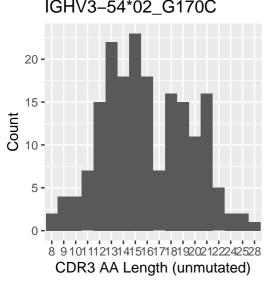


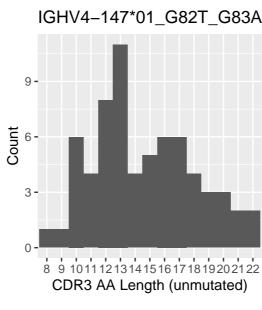
IGHV7-94*01

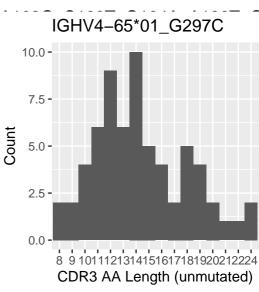
27 sequences assigned No exact matches.

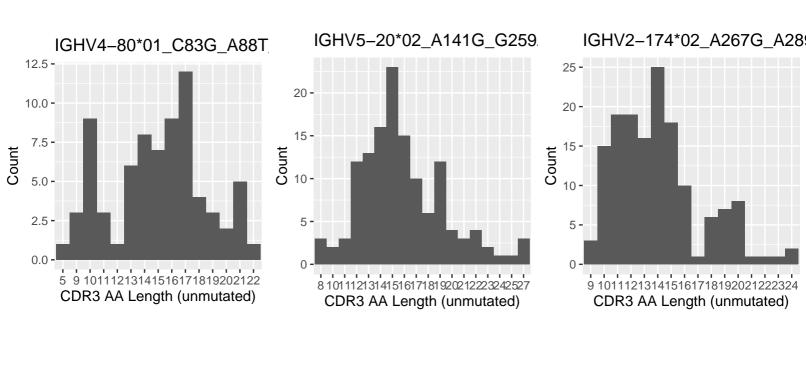


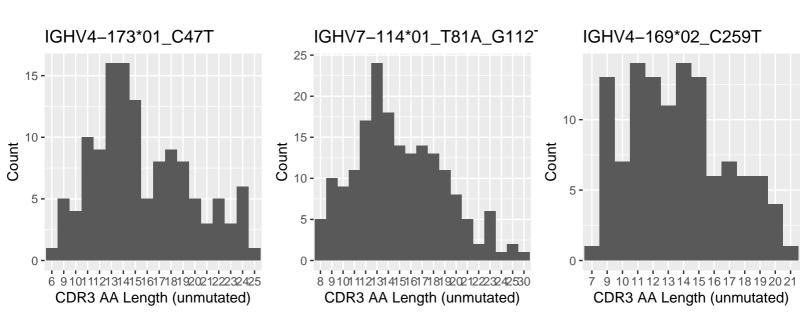


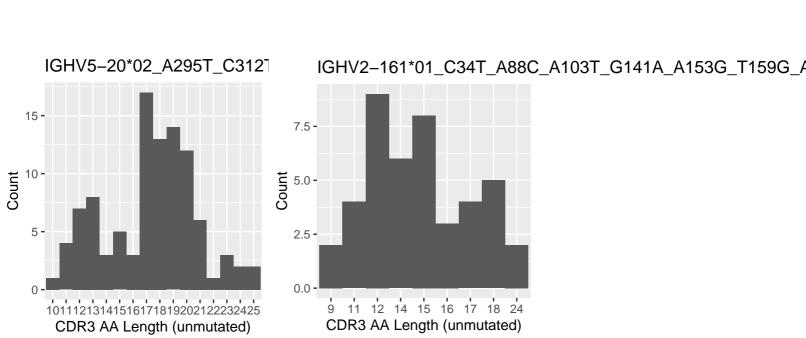


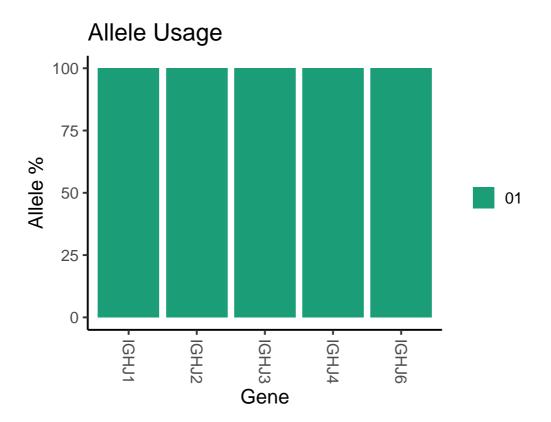












Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.