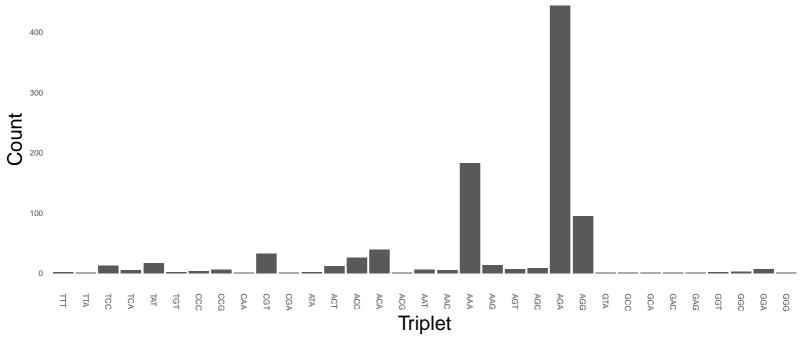
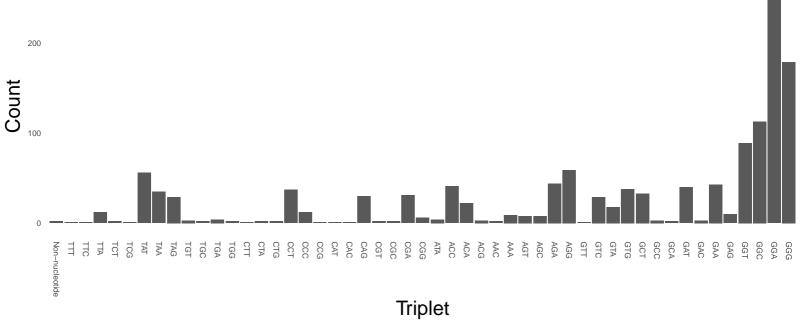


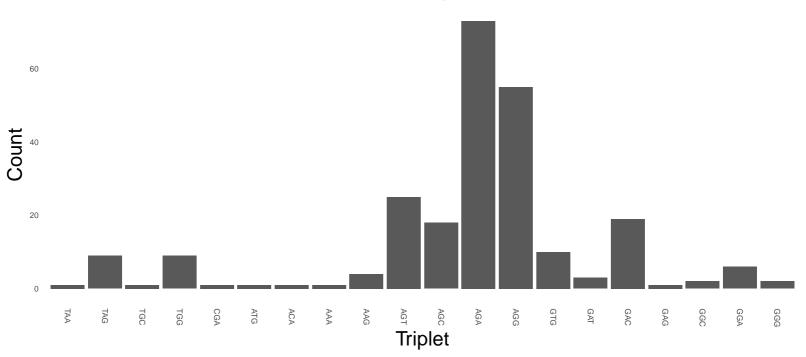
IGHV3-13*01_C33T- Final 3 nucleotides as a triplet



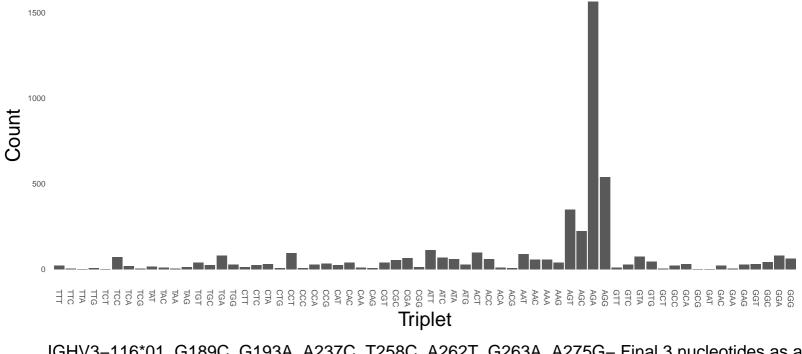
IGHV3-184*01_T109C_G275A- Final 3 nucleotides as a triplet



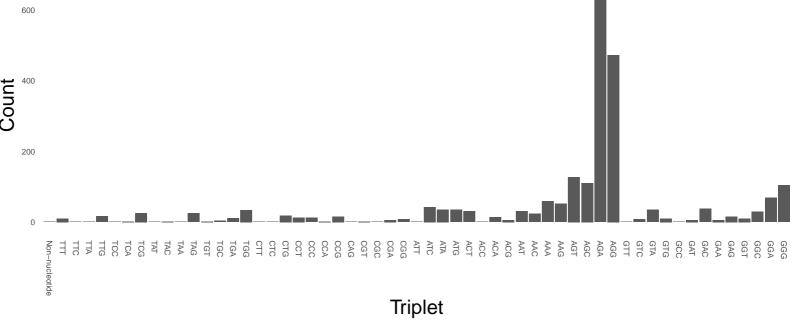
IGHV1-111*02_G240A- Final 3 nucleotides as a triplet



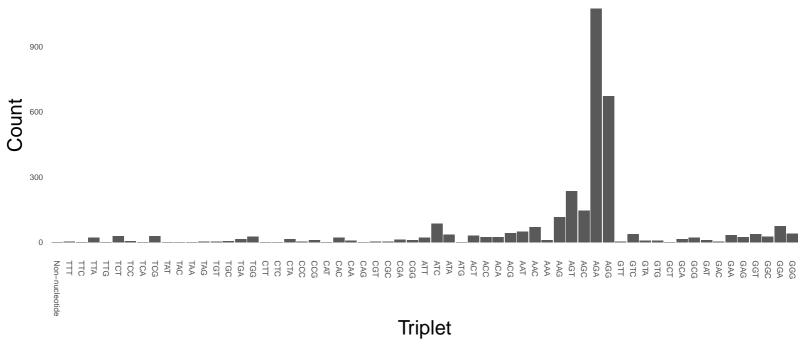
IGHV3-30*01_G174C_A188G_G189A_C264T- Final 3 nucleotides as a triplet



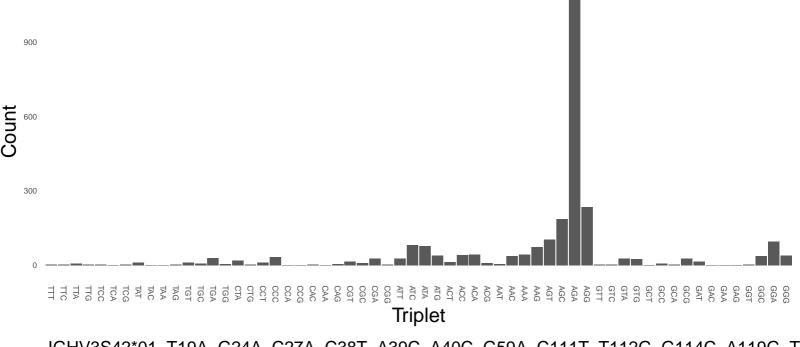
IGHV3-116*01_G189C_G193A_A237C_T258C_A262T_G263A_A275G- Final 3 nucleotides as a



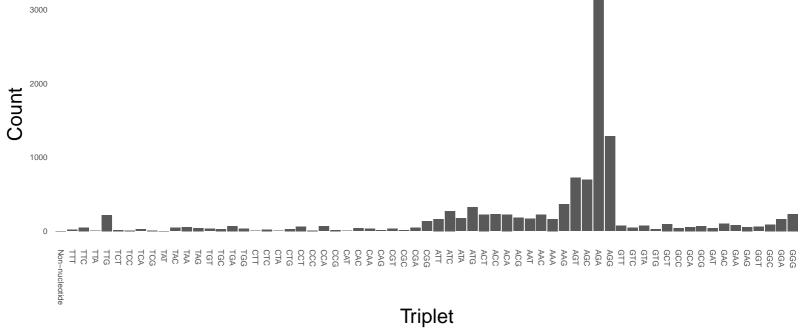
IGHV3-116*02_G8A_T109C- Final 3 nucleotides as a triplet



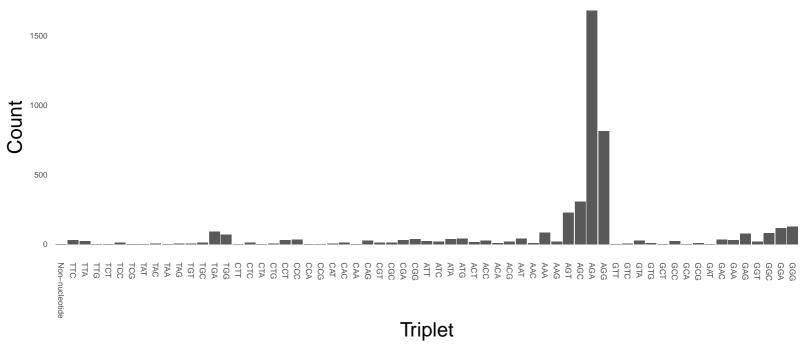
IGHV3S42*01_T120C_A133G_G141A_A157G_T288G- Final 3 nucleotides as a triplet



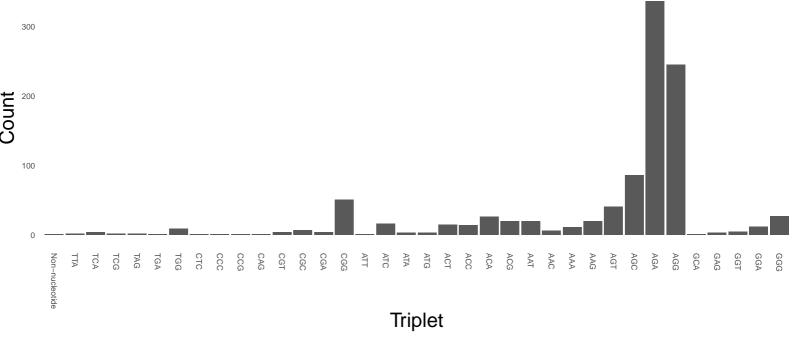
IGHV3S42*01_T19A_G24A_C27A_C38T_A39C_A40C_G59A_C111T_T112G_G114C_A119G_T



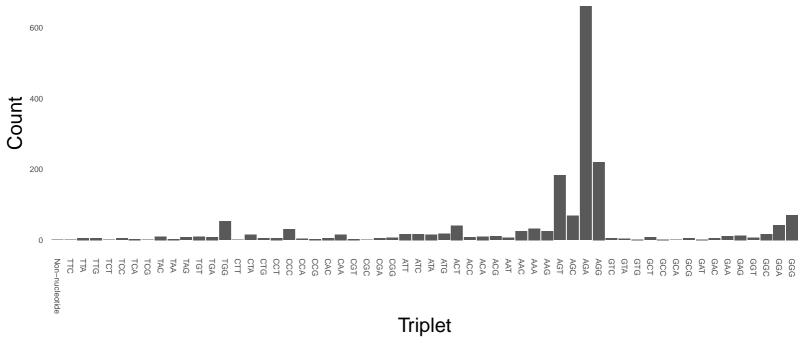
IGHV3-54*02_G170C- Final 3 nucleotides as a triplet



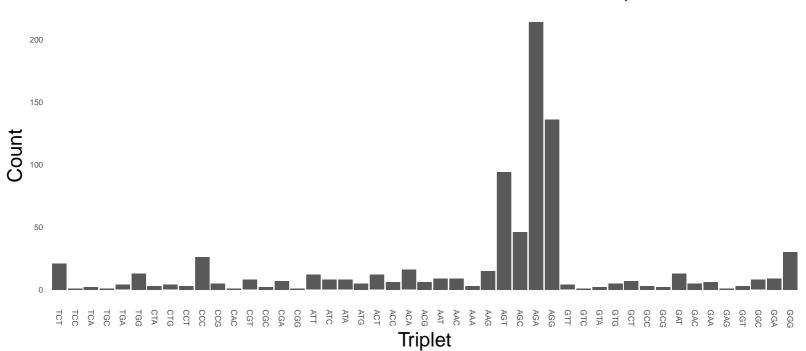
IGHV3-54*02_T111C_G163A_G170A_G171T_A190C_G213C_A221G_T257C_G258A_A261G_T



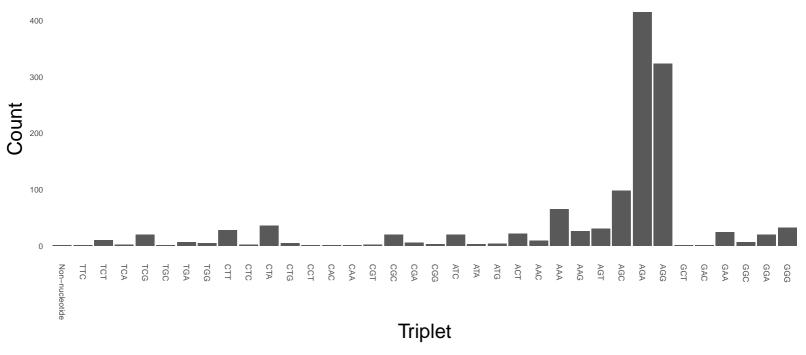
IGHV4-73*01_G147A- Final 3 nucleotides as a triplet



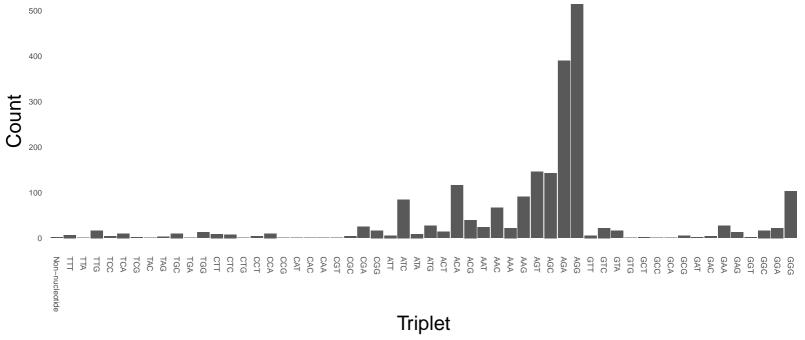
IGHV4-122*02_C87T_G103A_C133G_A169T- Final 3 nucleotides as a triplet



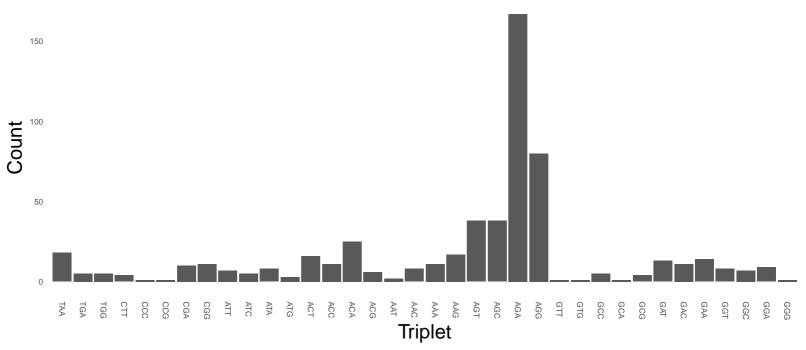
IGHV5-20*01_A141G- Final 3 nucleotides as a triplet



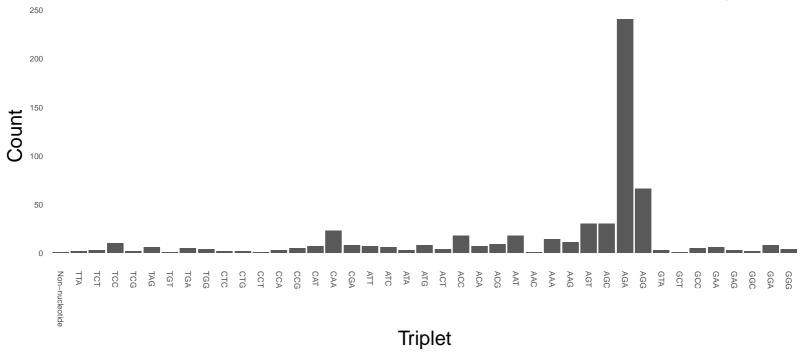
IGHV5-20*02_A141G_C312T- Final 3 nucleotides as a triplet



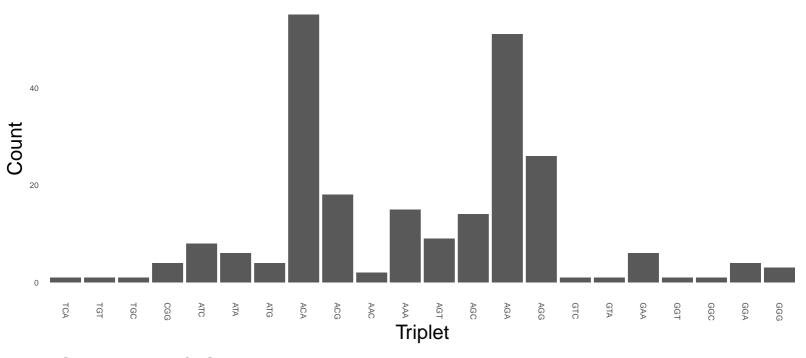
IGHV4-80*01_G70A_C168T_T189G_T196A_C300G- Final 3 nucleotides as a triplet



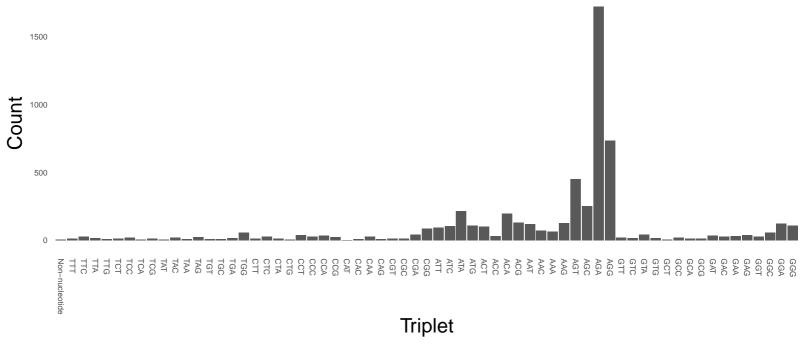
IGHV4-80*01_G70A_C90T_T109A_T189G_T196A_C263T- Final 3 nucleotides as a triplet

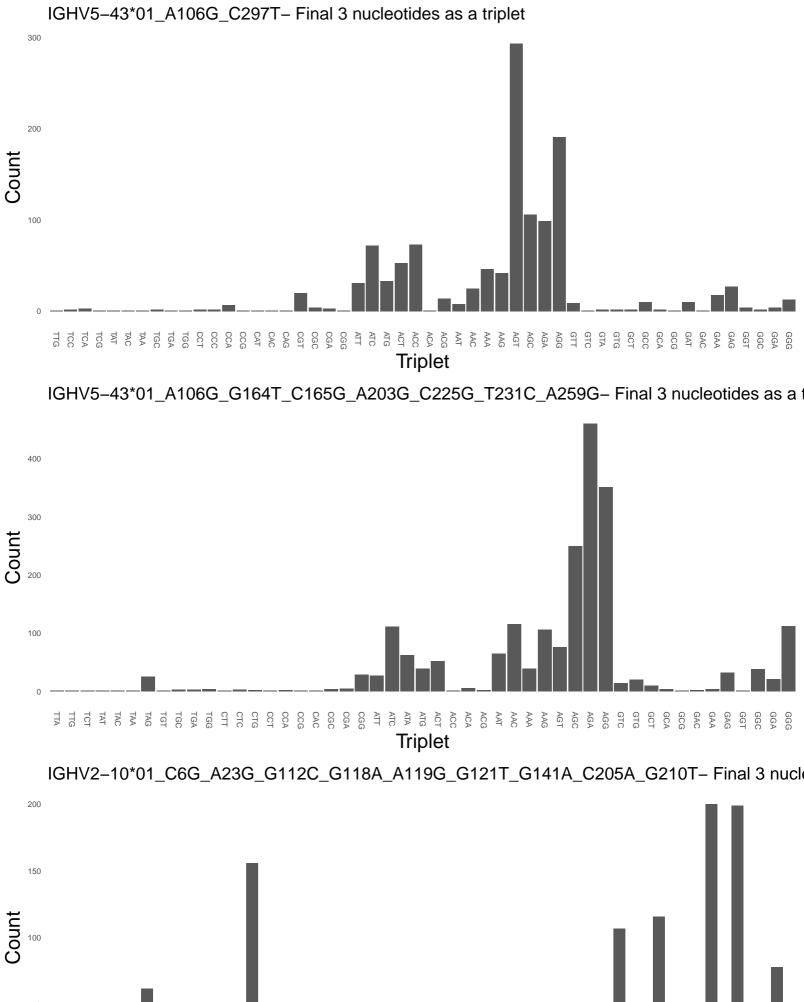


IGHV4-81*01_C4G_T277A- Final 3 nucleotides as a triplet



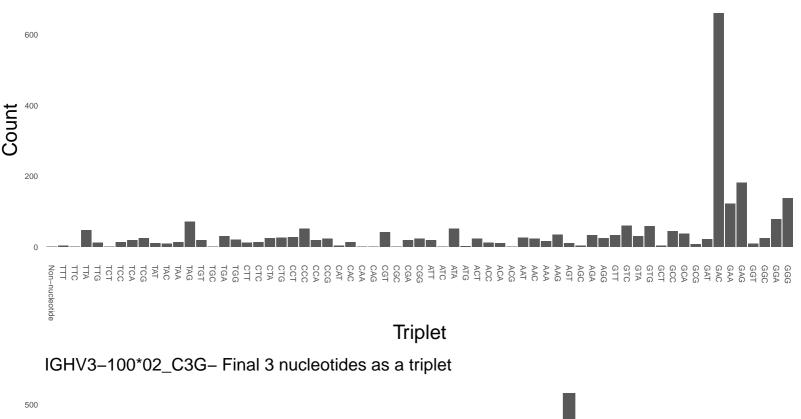
IGHV4-173*01_C4G- Final 3 nucleotides as a triplet

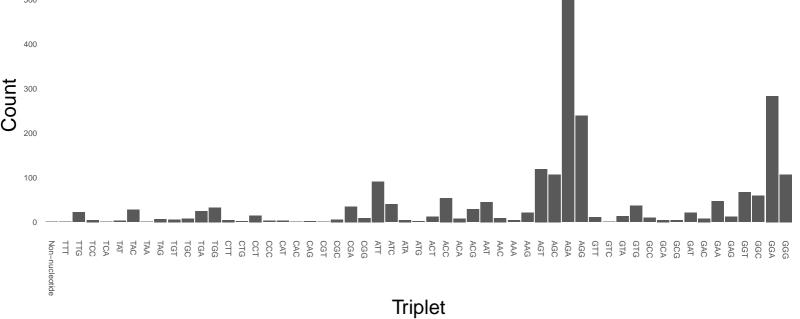




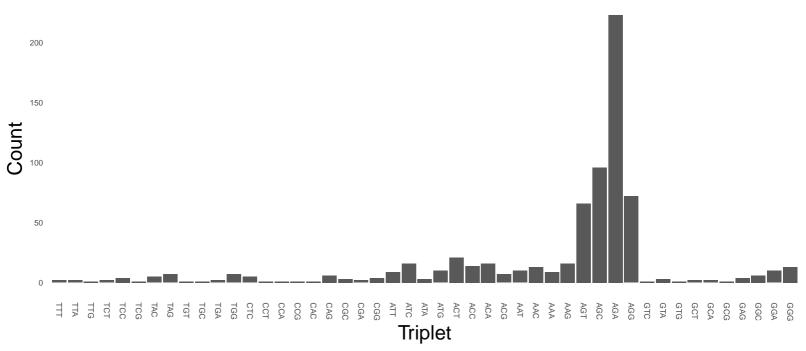
50 **Triplet**

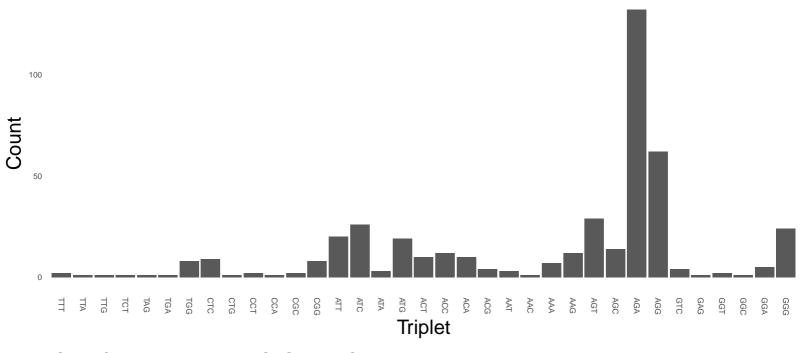
IGHV2S1*01_G289T- Final 3 nucleotides as a triplet



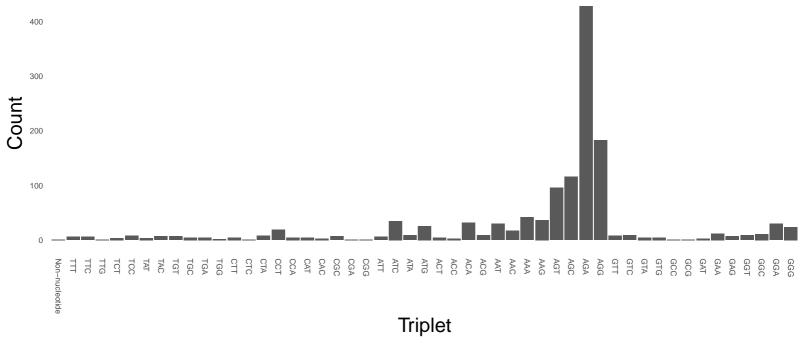


IGHV4-165*01_G4C_C87T_A113G_C114G_A132G_T163C_A164G_G173A_A232C_T234G_A23

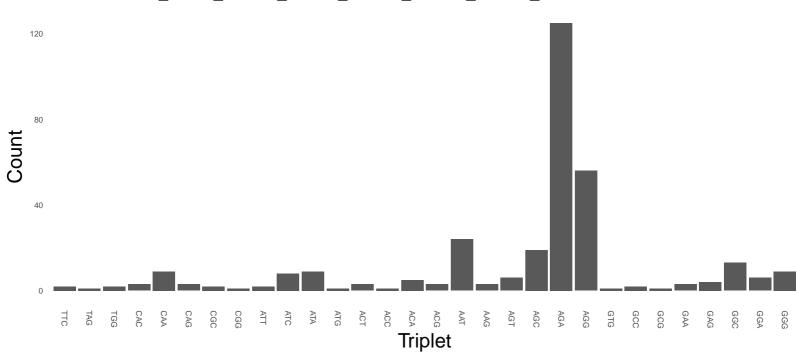




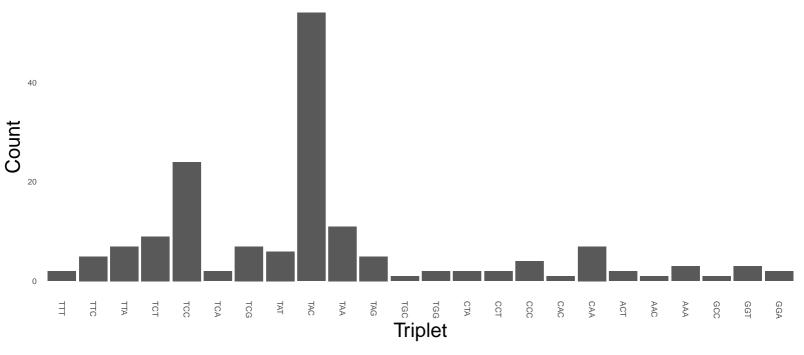
IGHV4S13*01_T85A_A110G_G267A_G289A- Final 3 nucleotides as a triplet



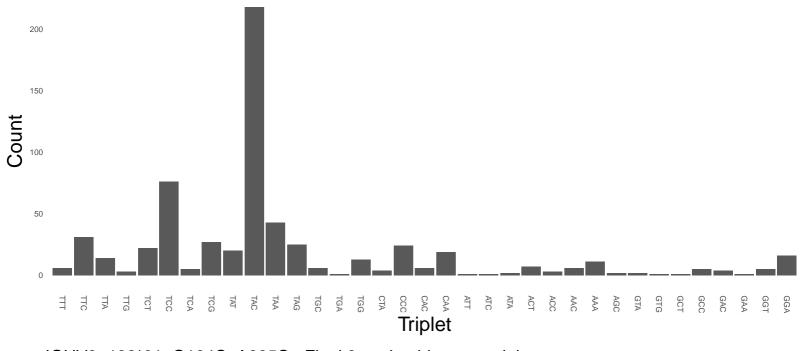
IGHV4S13*01_G34C_G103A_T106A_A110G_C111G_G144A_C265T- Final 3 nucleotides as a tr



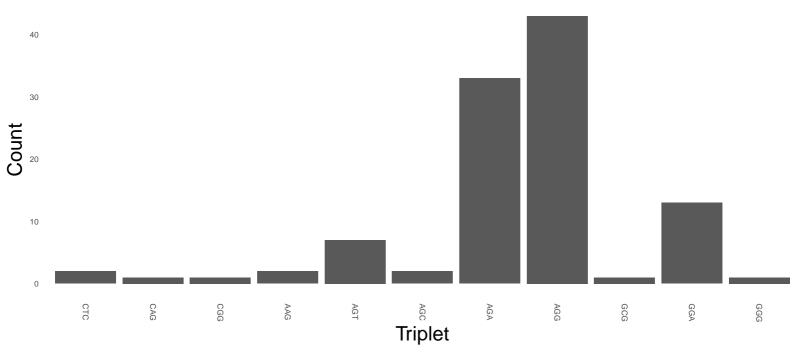
IGHV2-95*01_A103T_A252G_G289T- Final 3 nucleotides as a triplet

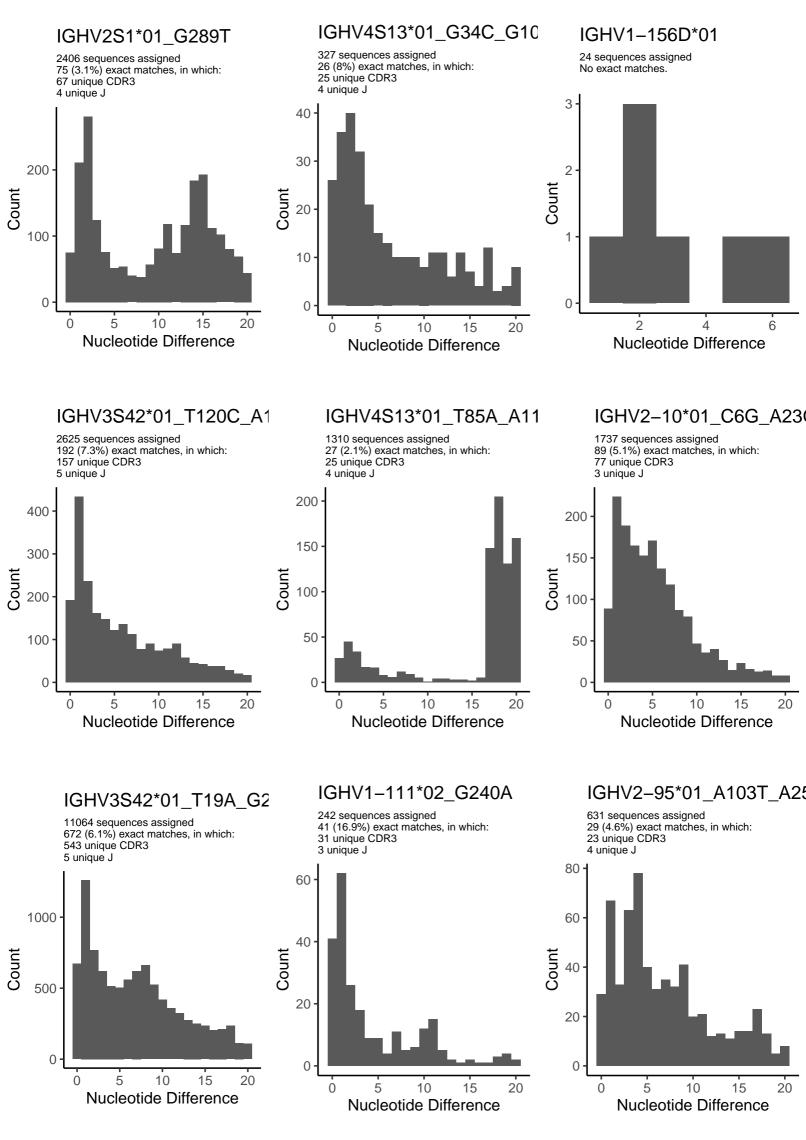


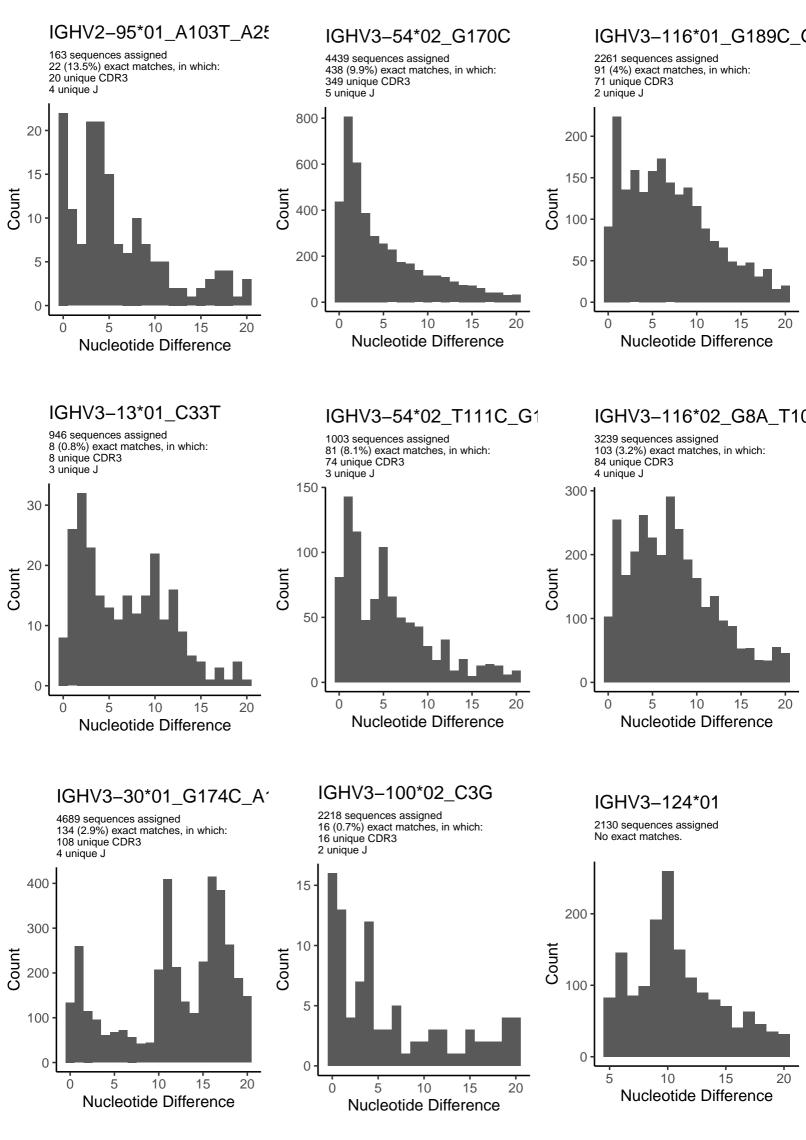
IGHV2-95*01_A103T_A252G- Final 3 nucleotides as a triplet

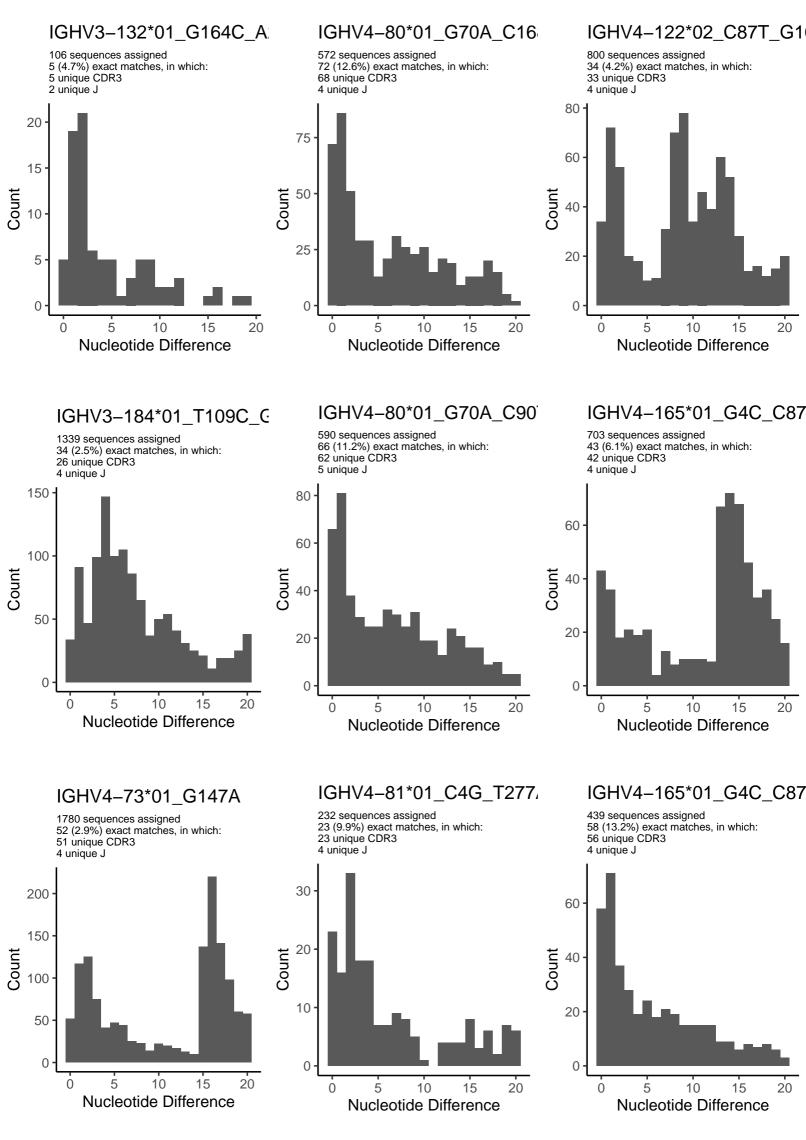


IGHV3-132*01_G164C_A295C- Final 3 nucleotides as a triplet

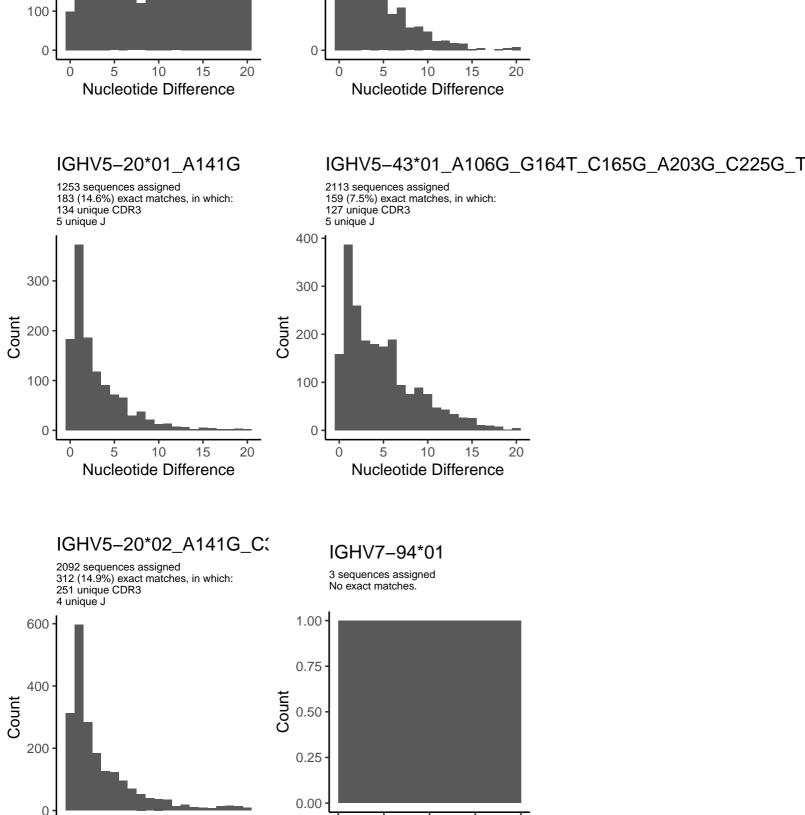


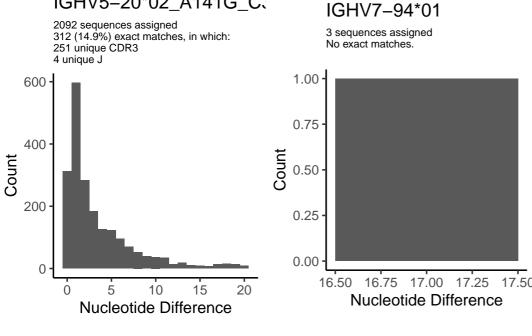


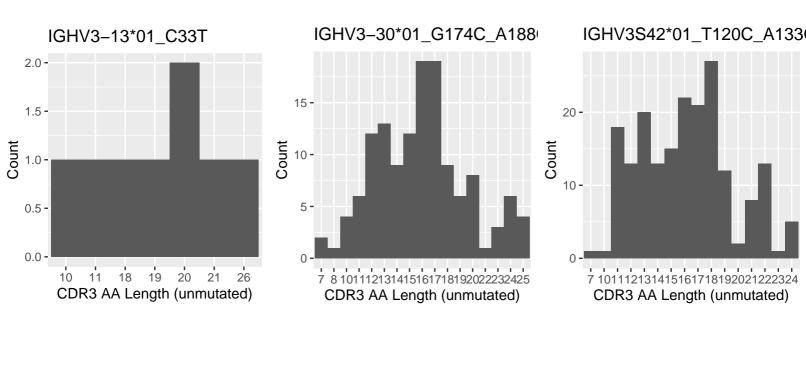


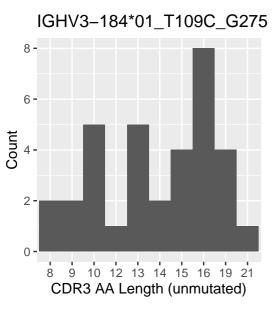


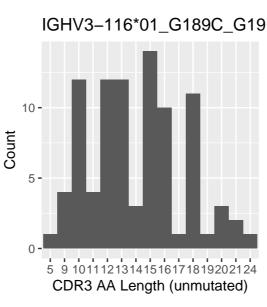
IGHV4-173*01_C4G IGHV5-43*01_A106G_C297T 5776 sequences assigned 99 (1.7%) exact matches, in which: 91 unique CDR3 1252 sequences assigned 156 (12.5%) exact matches, in which: 127 unique CDR3 4 unique J 5 unique J 400 200 300 Count Count 100 100 0 0 5 10 15 20 0 5 10 15 20 Nucleotide Difference Nucleotide Difference

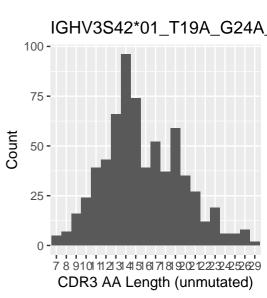


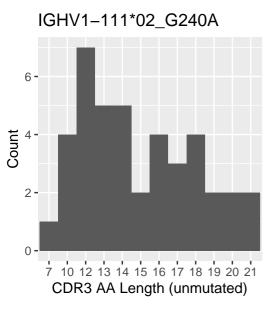


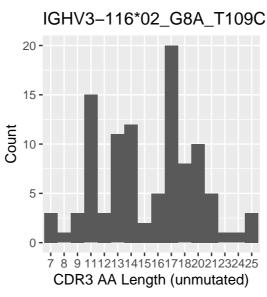


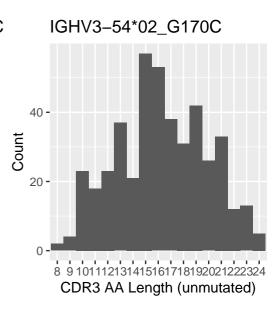


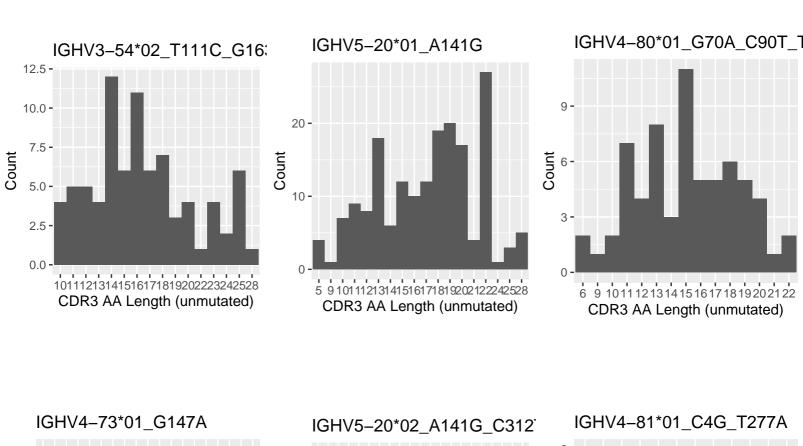


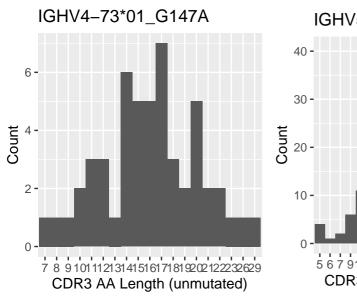


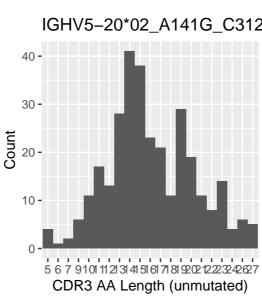


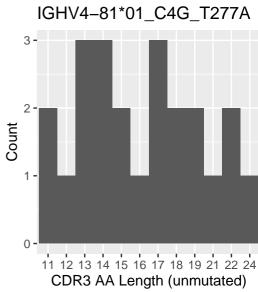


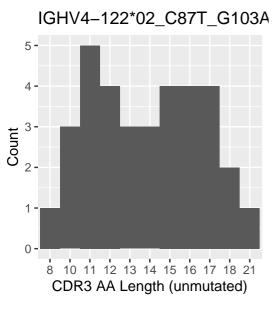


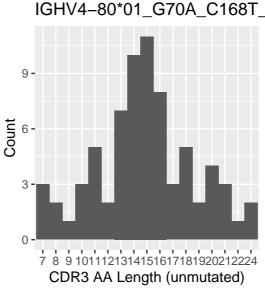


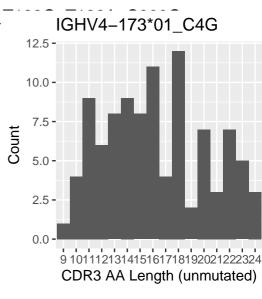


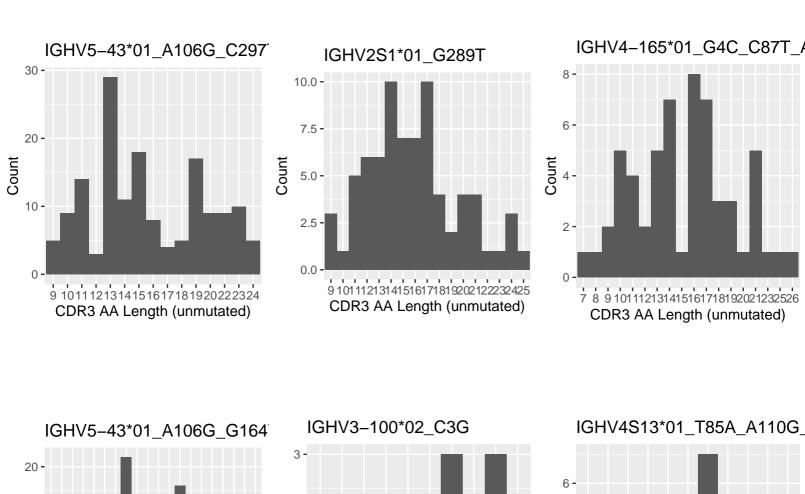


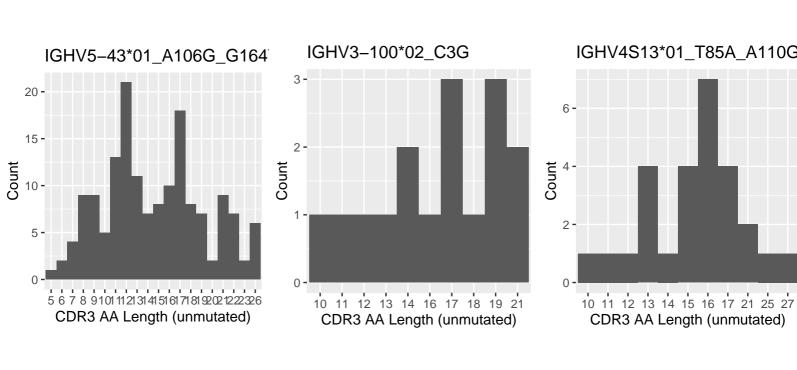


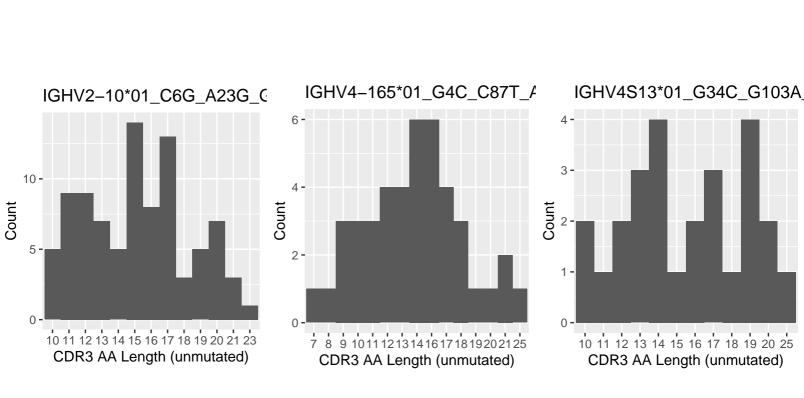




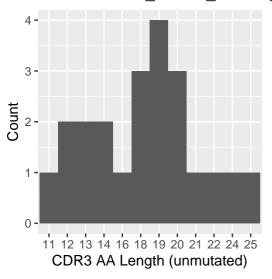




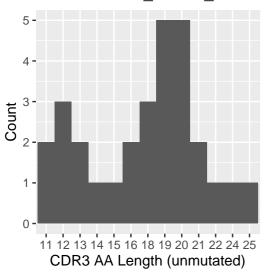




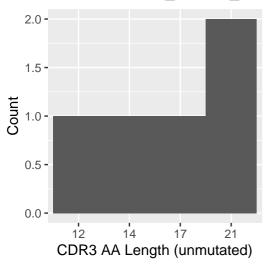
IGHV2-95*01_A103T_A252G_G289T



IGHV2-95*01_A103T_A252G



IGHV3-132*01_G164C_A295C





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.