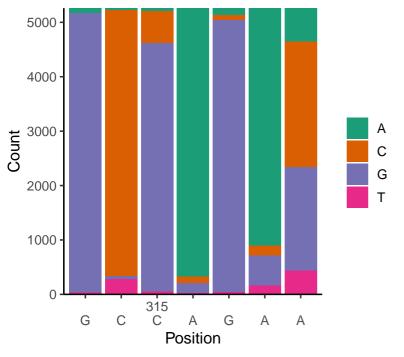
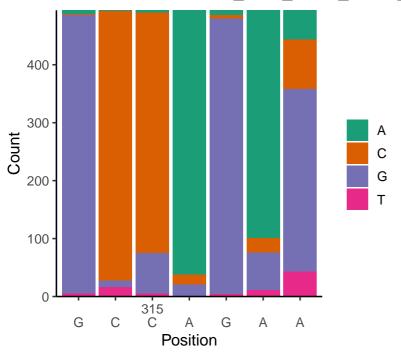
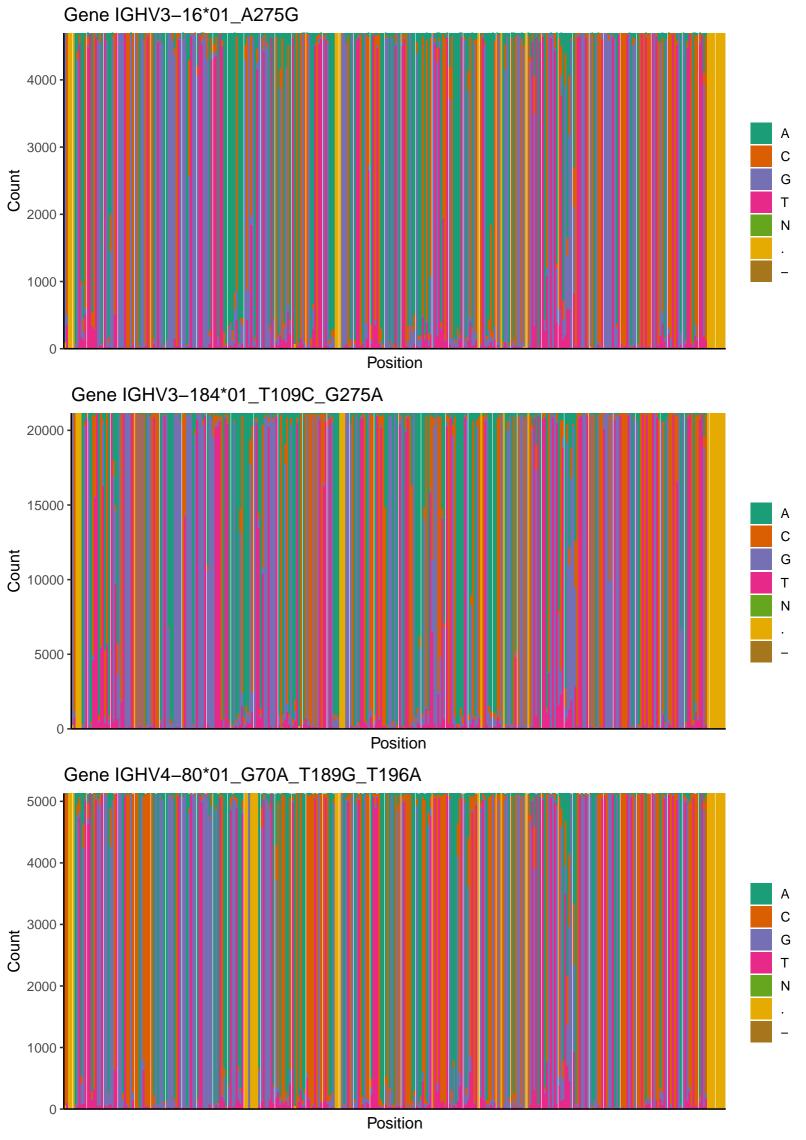


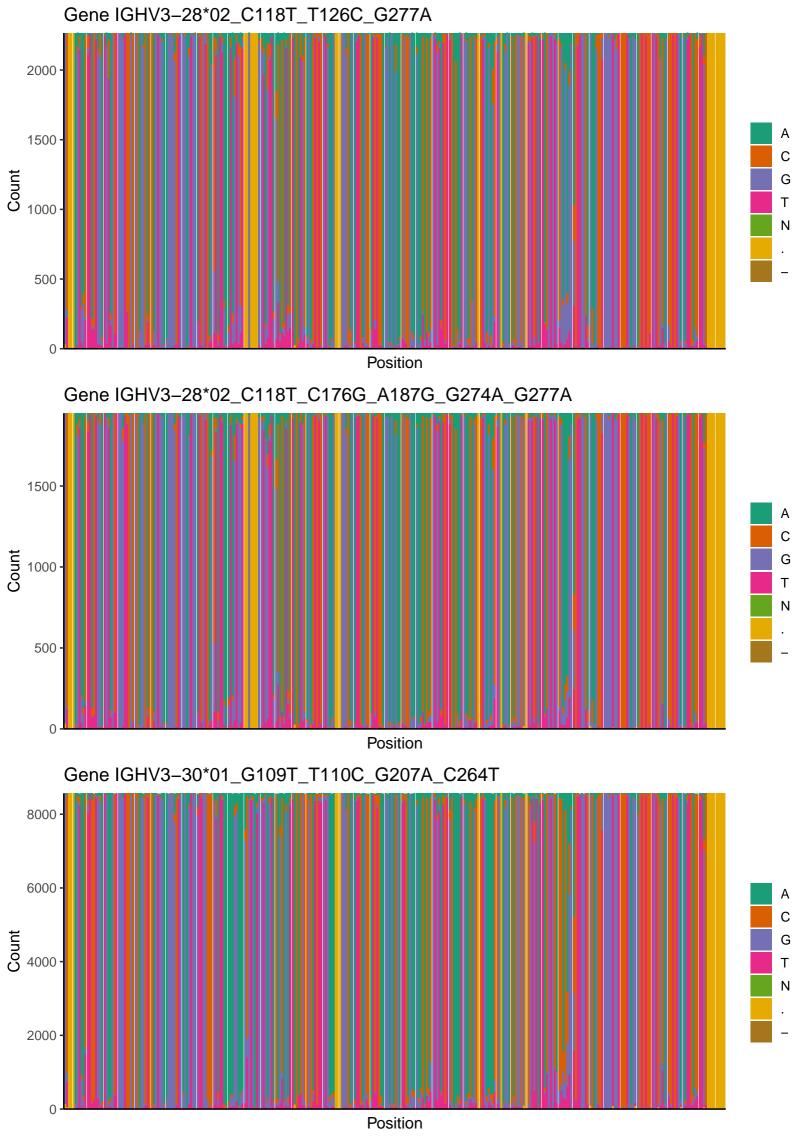
Gene IGHV4-169*01_C4G_T60C_G61C_T87C_G110A_G315C

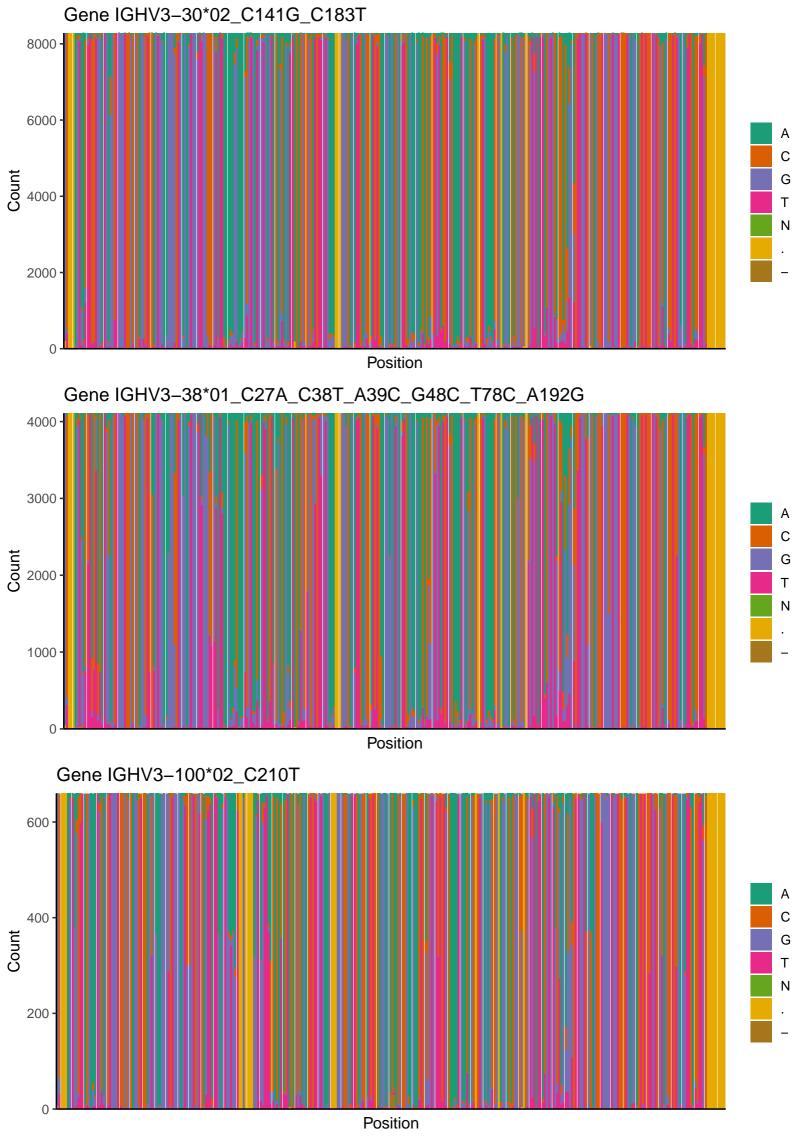


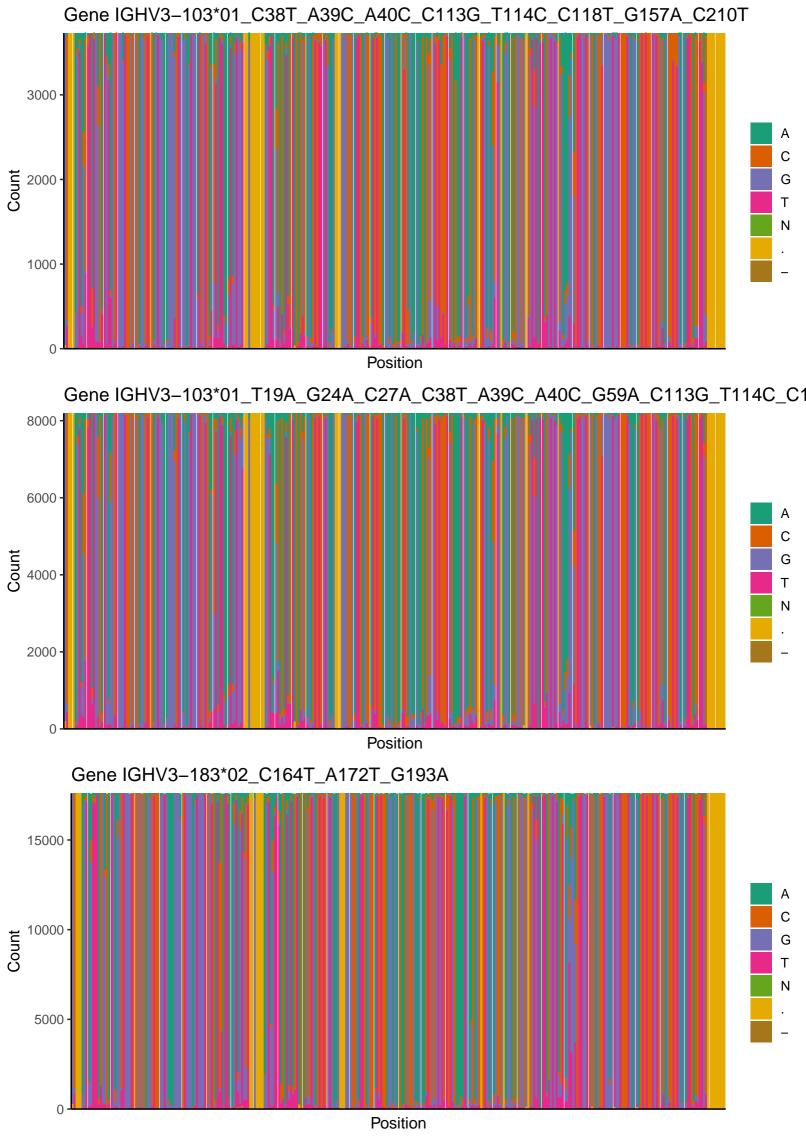
Gene IGHV4-169*01_C4G_T60C_G61C_T87C_G110A_A295C_G315C

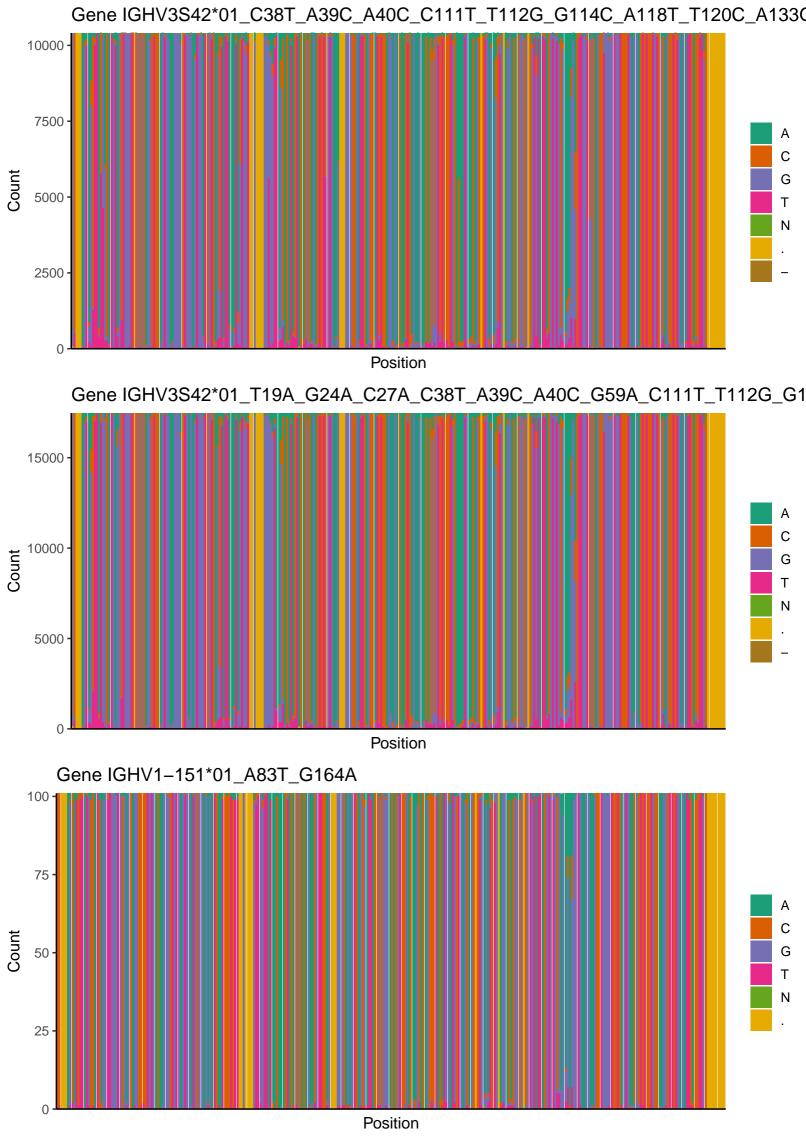


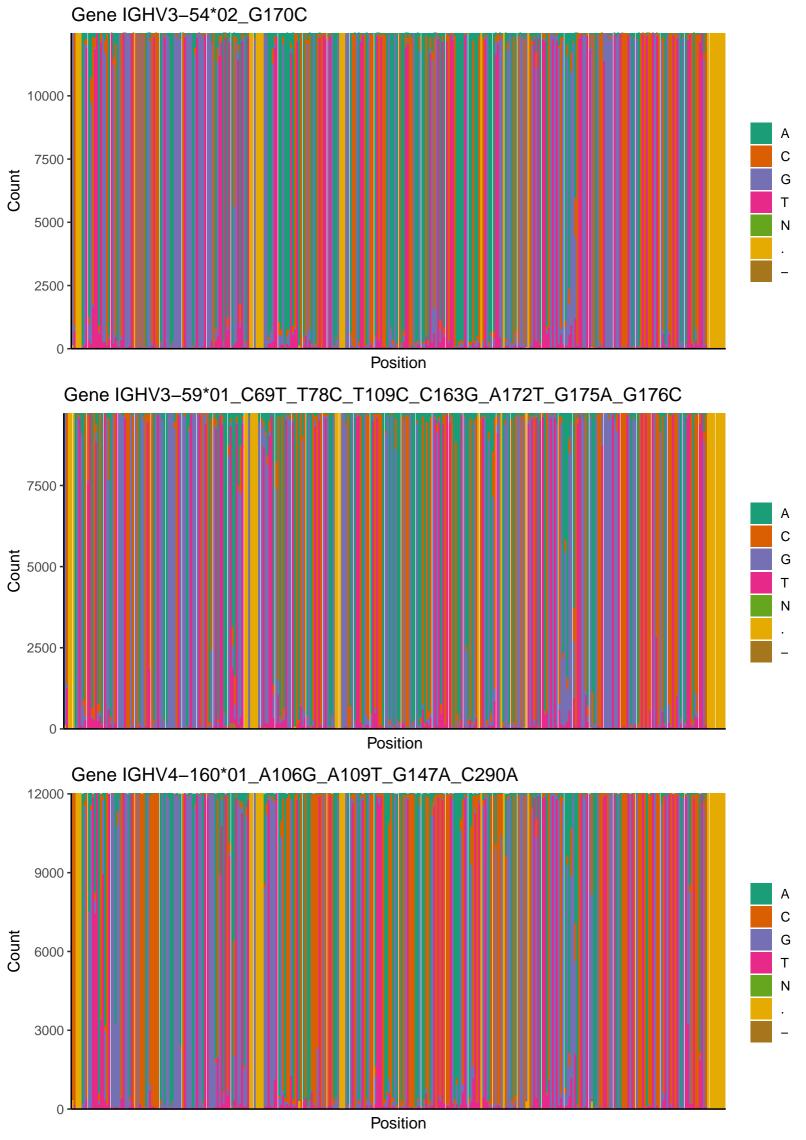


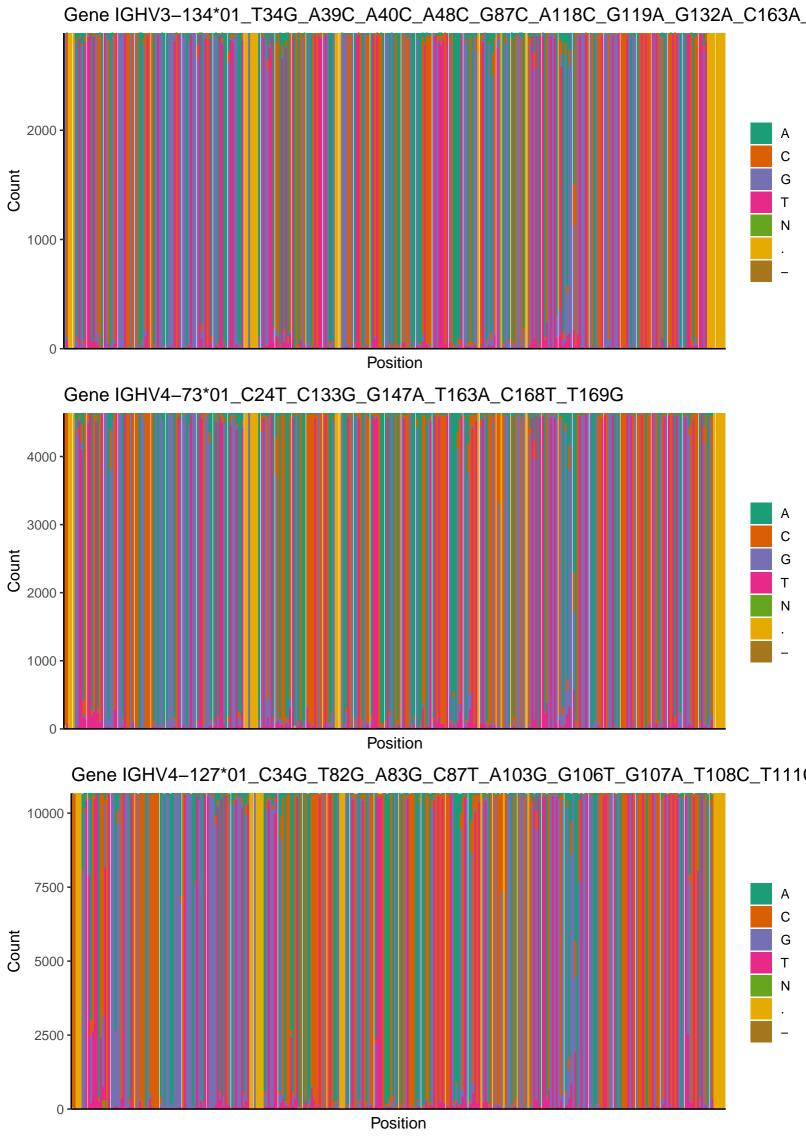


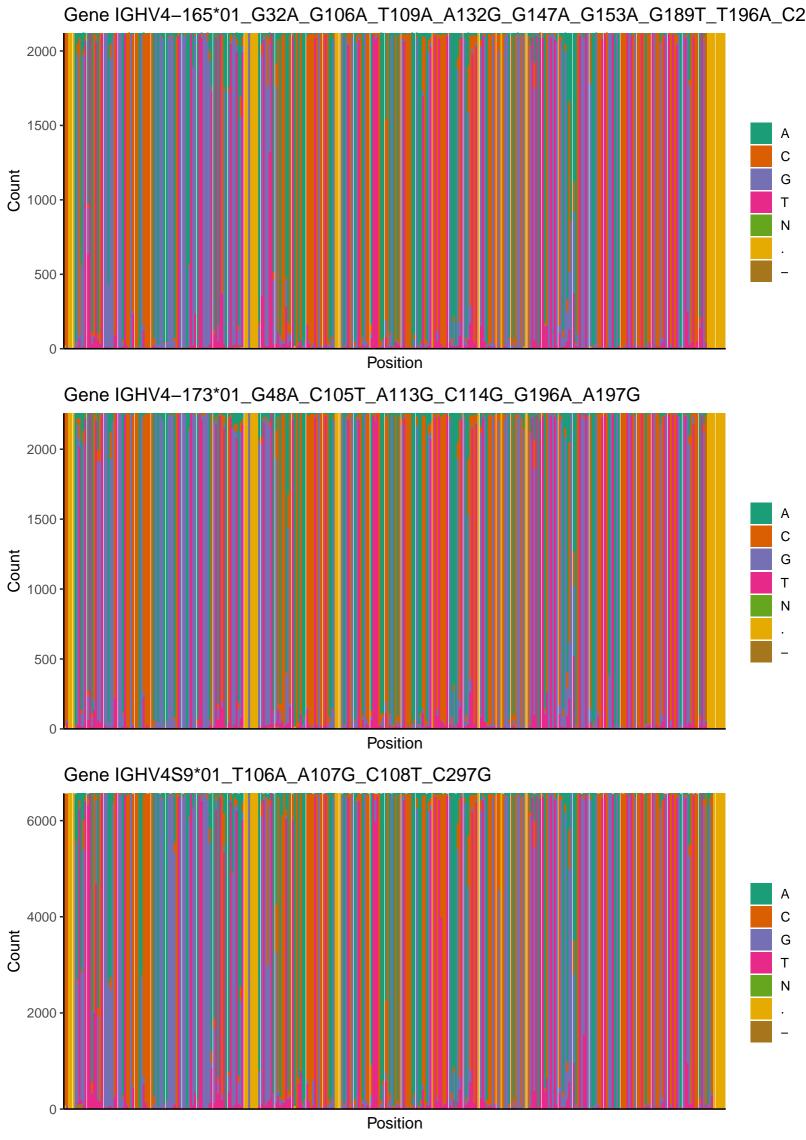


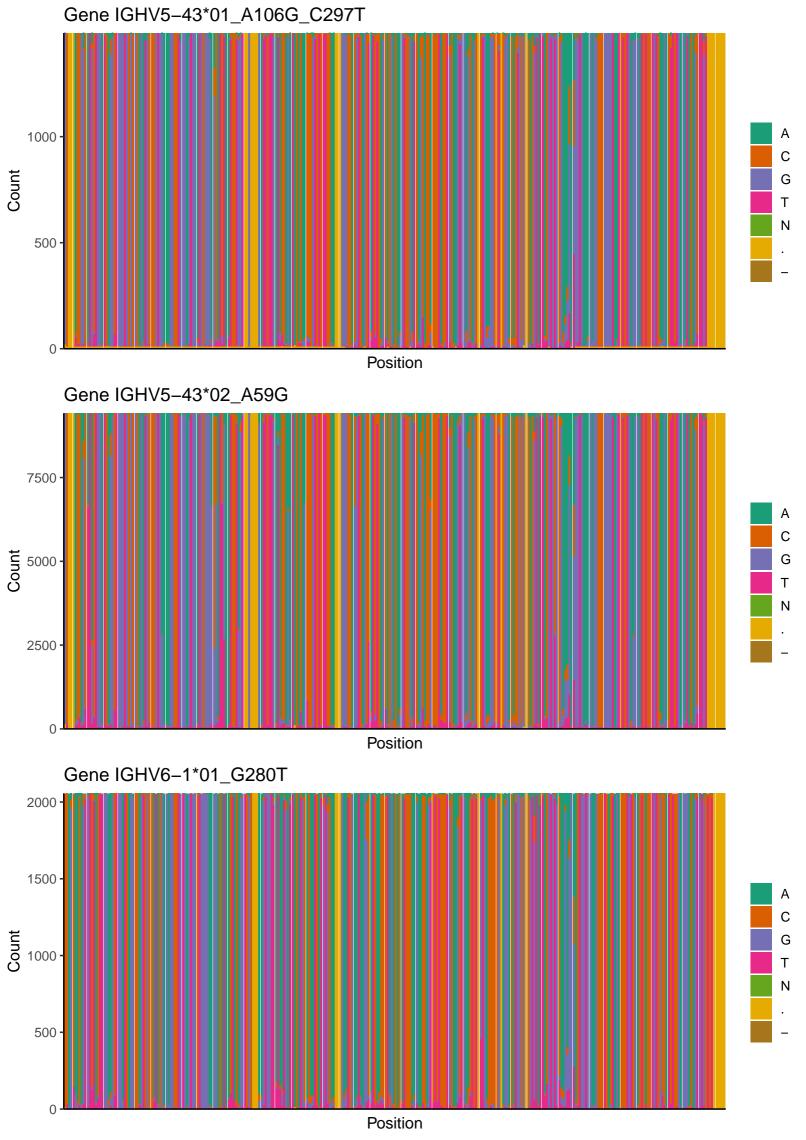


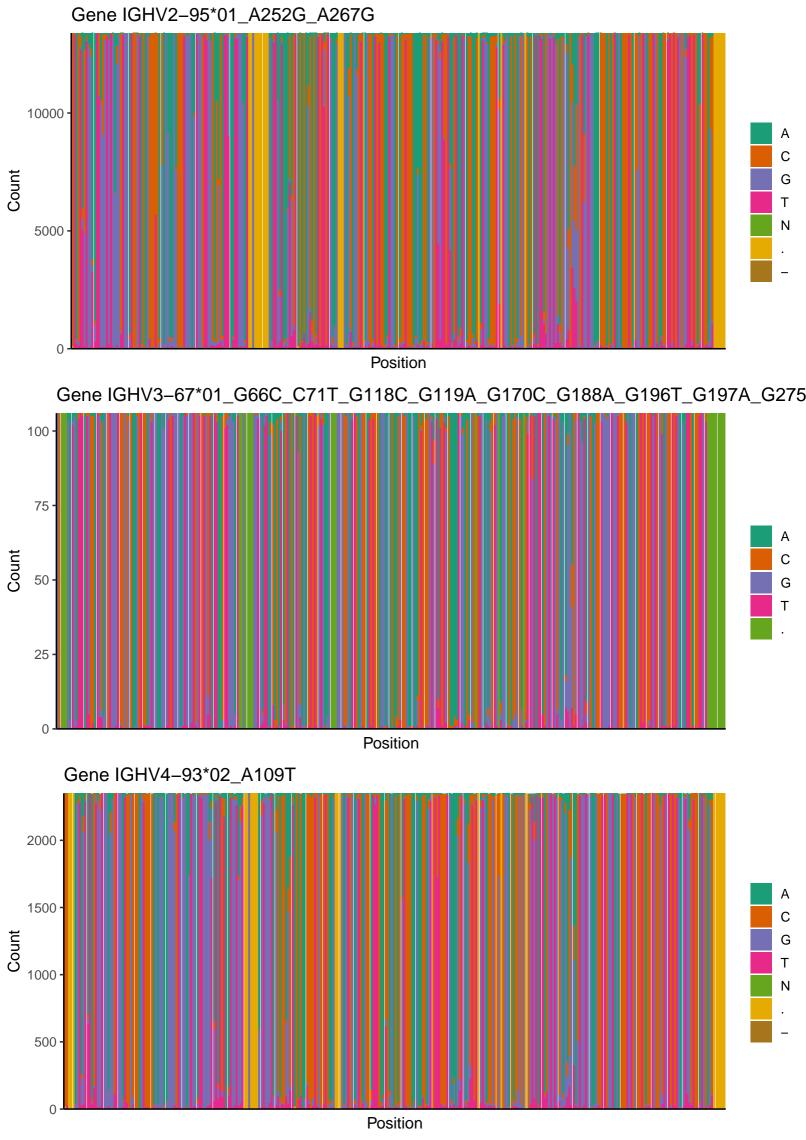


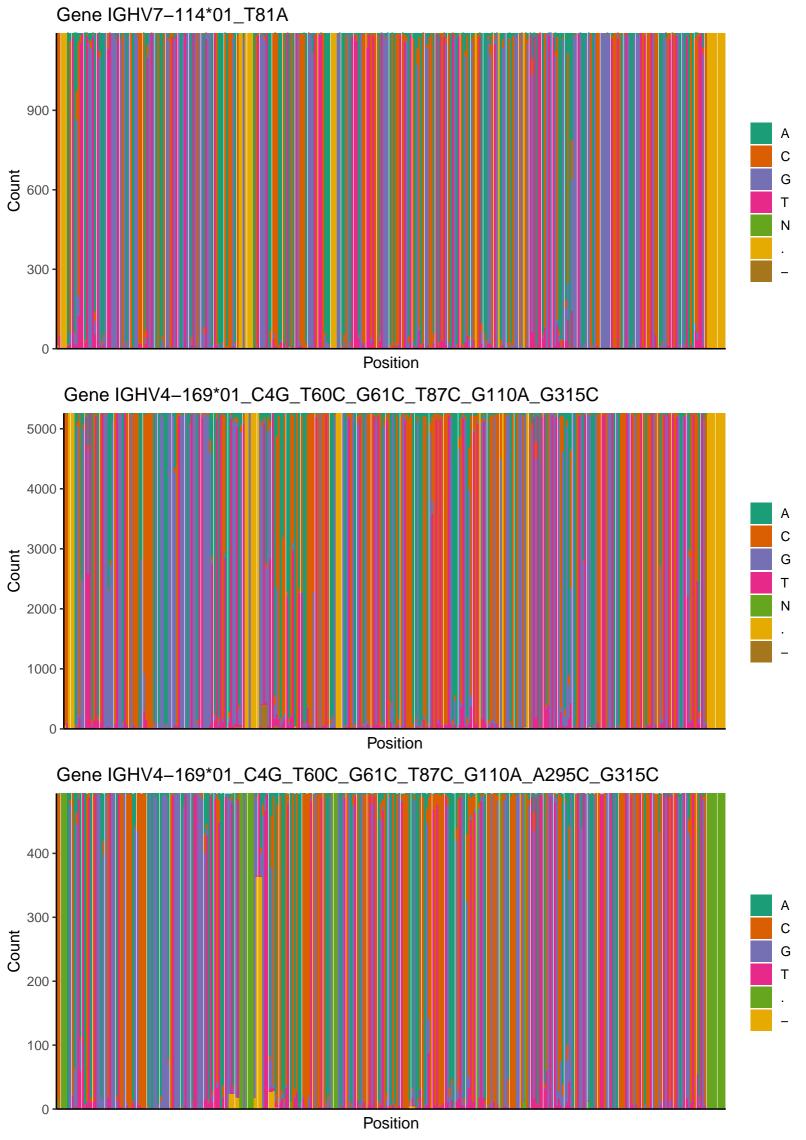


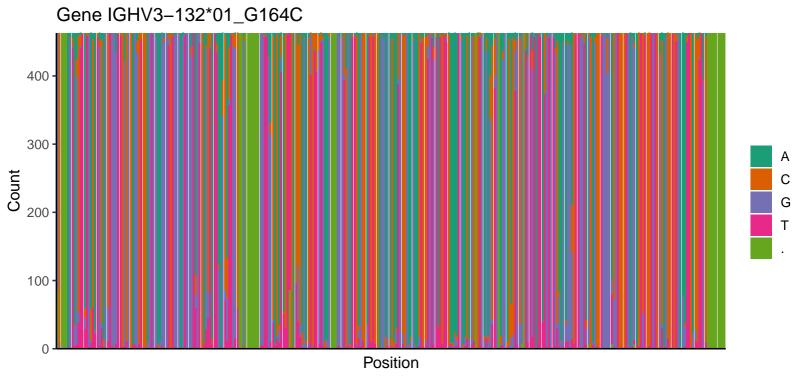




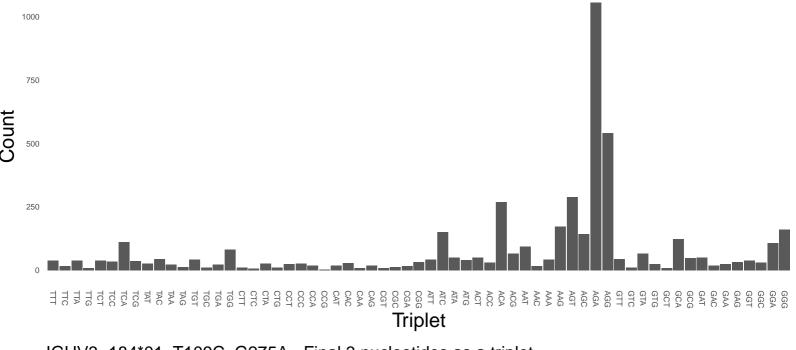




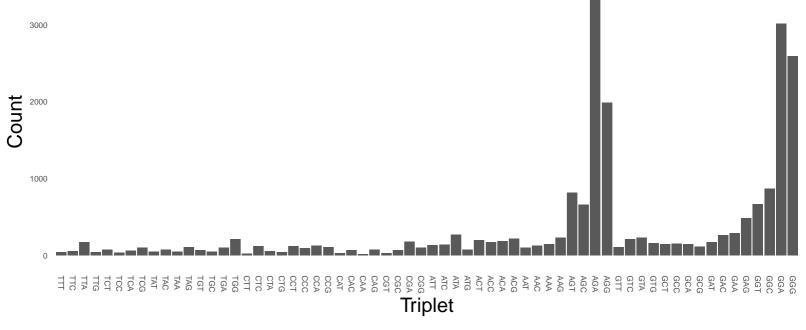




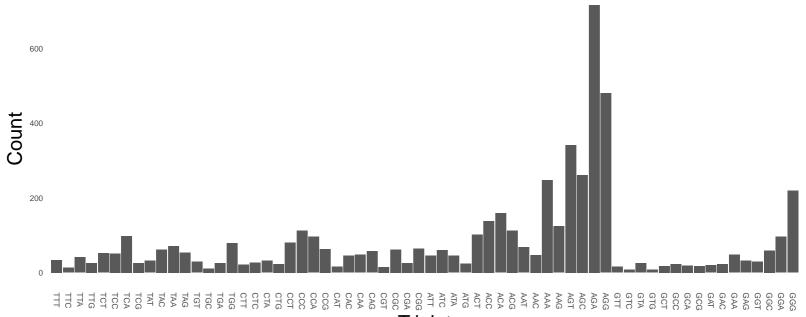
IGHV3-16*01_A275G- Final 3 nucleotides as a triplet



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

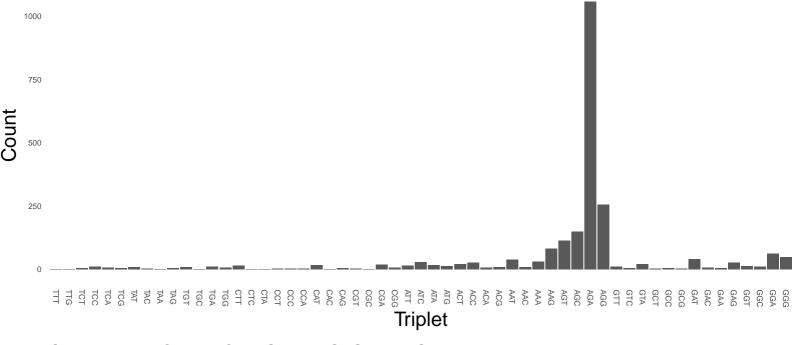


IGHV4-80*01_G70A_T189G_T196A- Final 3 nucleotides as a triplet

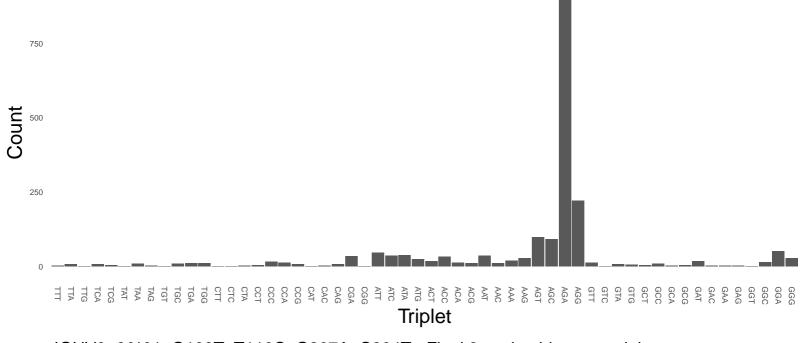


Triplet

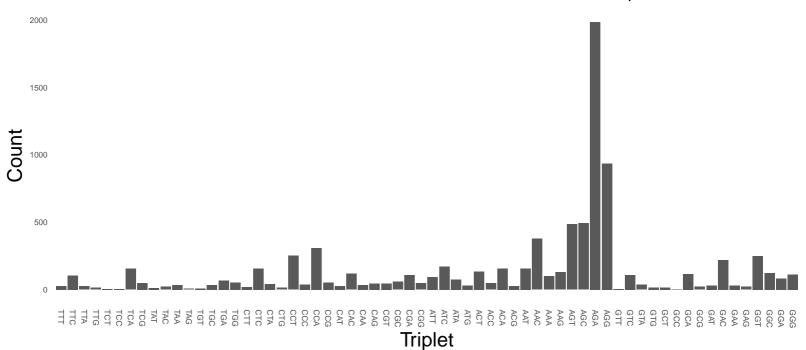
IGHV3-28*02_C118T_T126C_G277A- Final 3 nucleotides as a triplet



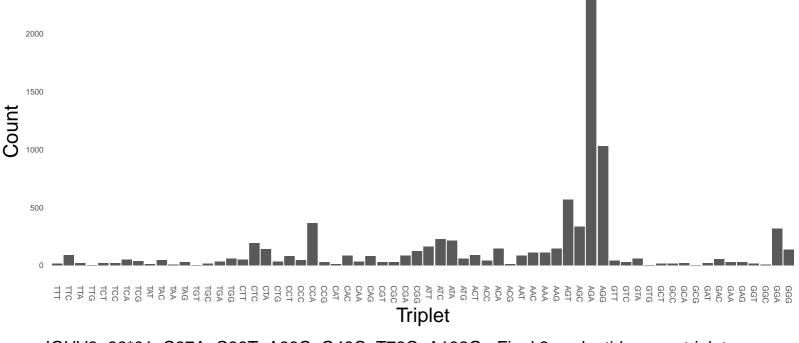
IGHV3-28*02_C118T_C176G_A187G_G274A_G277A- Final 3 nucleotides as a triplet



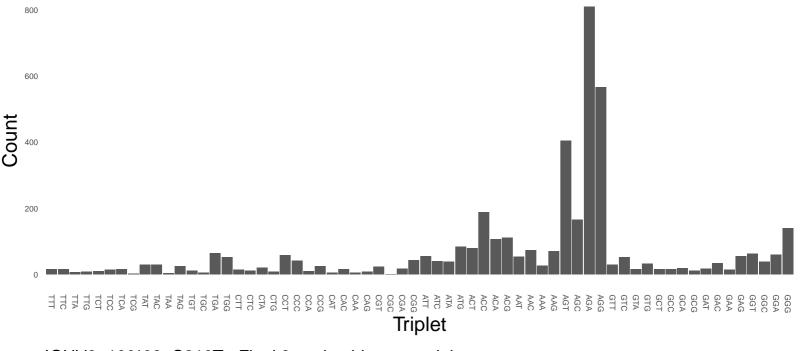
IGHV3-30*01_G109T_T110C_G207A_C264T- Final 3 nucleotides as a triplet



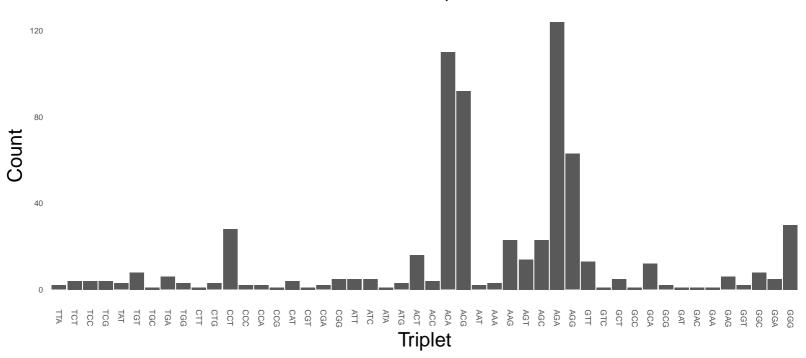
IGHV3-30*02_C141G_C183T- Final 3 nucleotides as a triplet



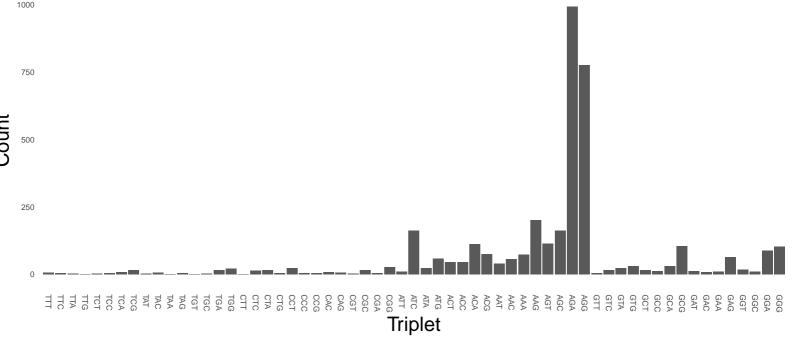
IGHV3-38*01_C27A_C38T_A39C_G48C_T78C_A192G- Final 3 nucleotides as a triplet



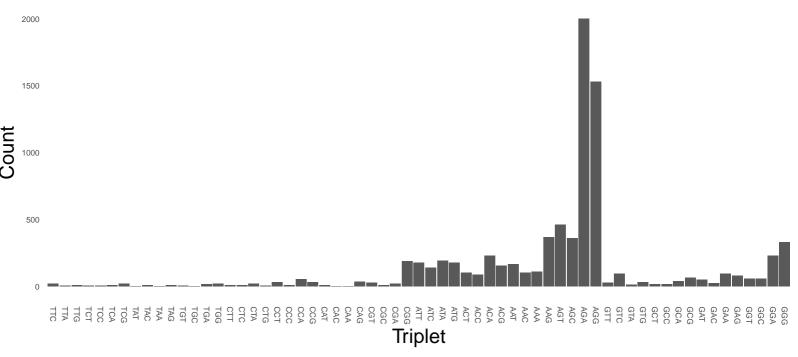
IGHV3-100*02_C210T- Final 3 nucleotides as a triplet



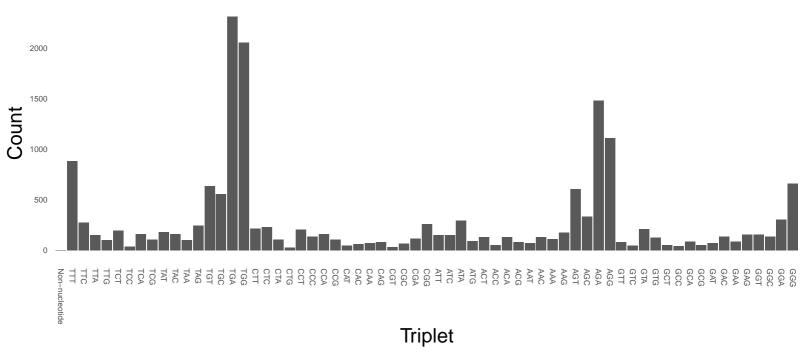
IGHV3-103*01_C38T_A39C_A40C_C113G_T114C_C118T_G157A_C210T- Final 3 nucleotides

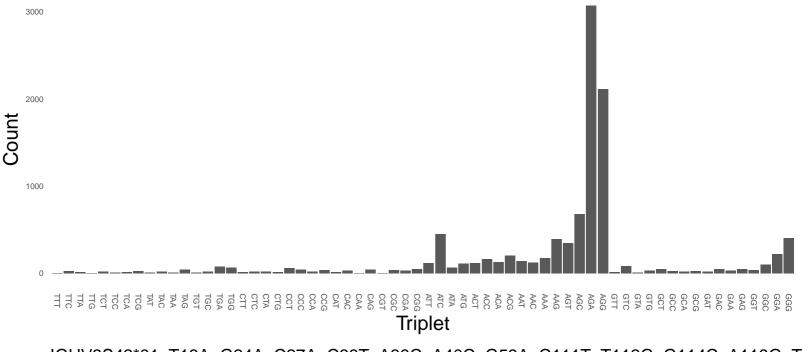


IGHV3-103*01_T19A_G24A_C27A_C38T_A39C_A40C_G59A_C113G_T114C_C118A_A119G_

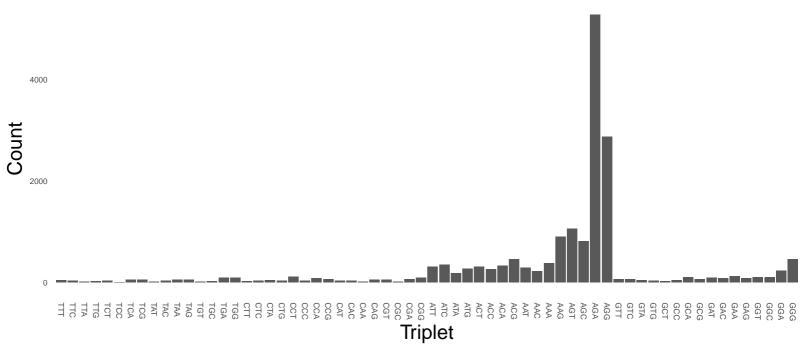


IGHV3-183*02_C164T_A172T_G193A- Final 3 nucleotides as a triplet

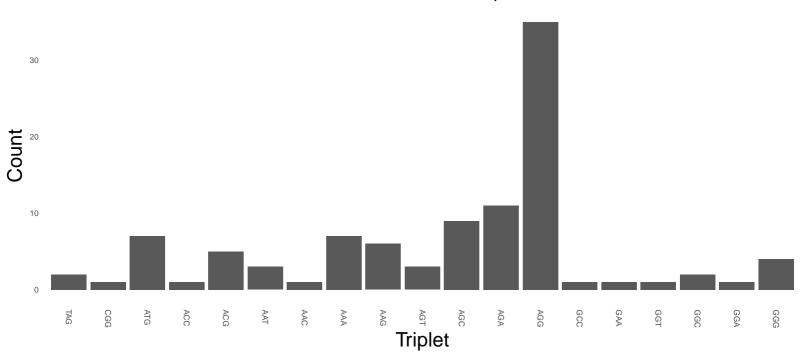


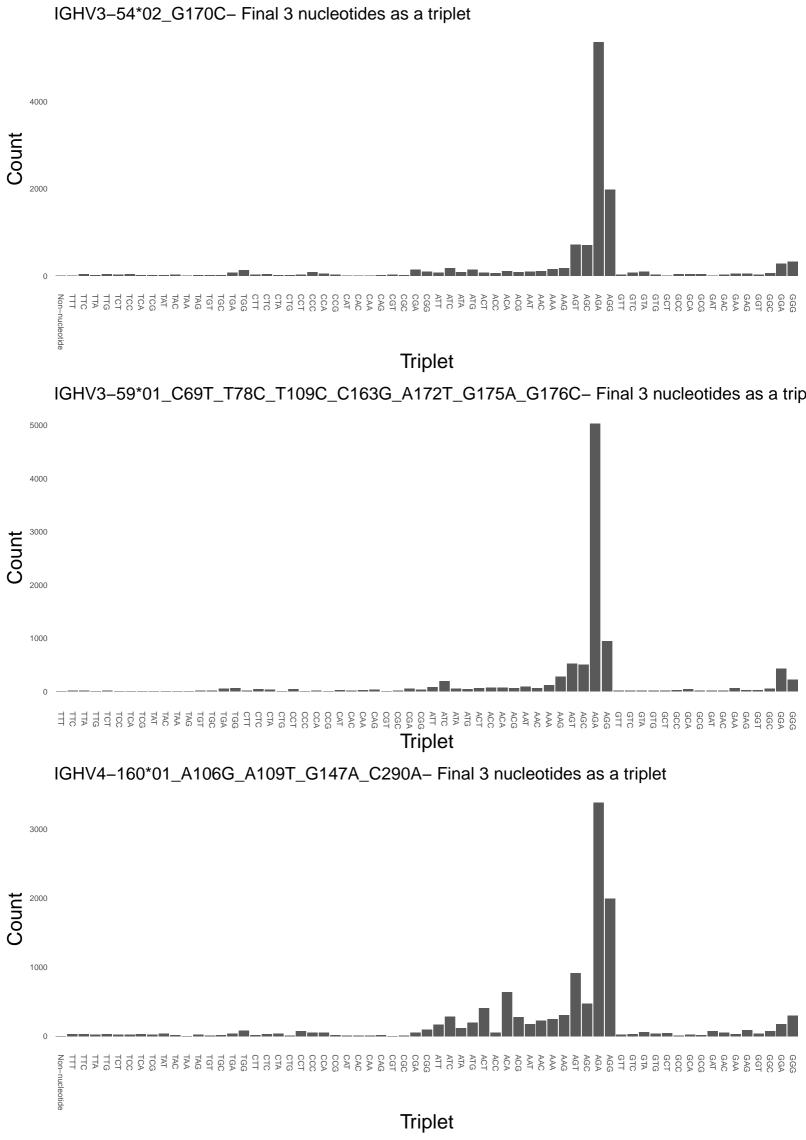


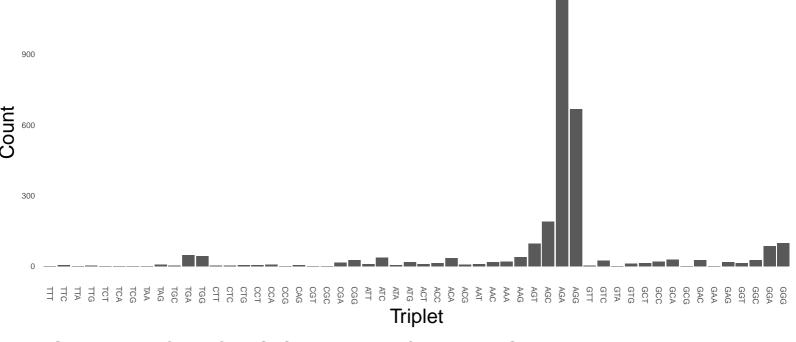
IGHV3S42*01_T19A_G24A_C27A_C38T_A39C_A40C_G59A_C111T_T112G_G114C_A119G_T



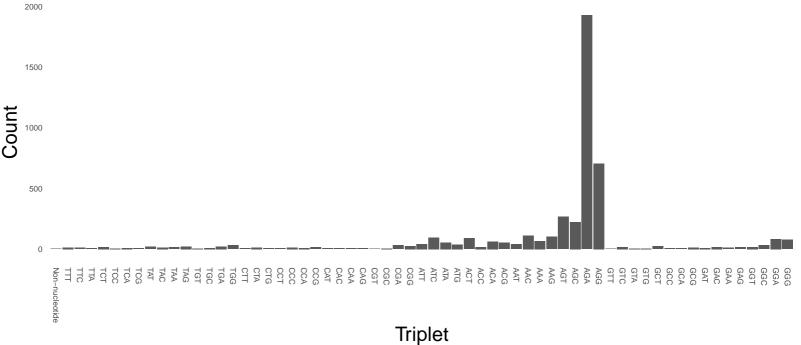
IGHV1-151*01_A83T_G164A- Final 3 nucleotides as a triplet



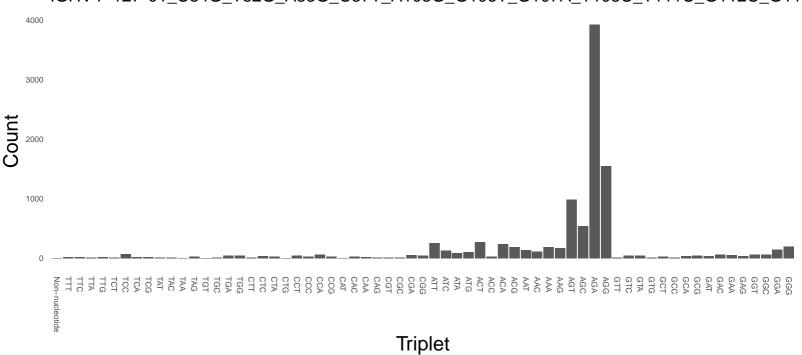




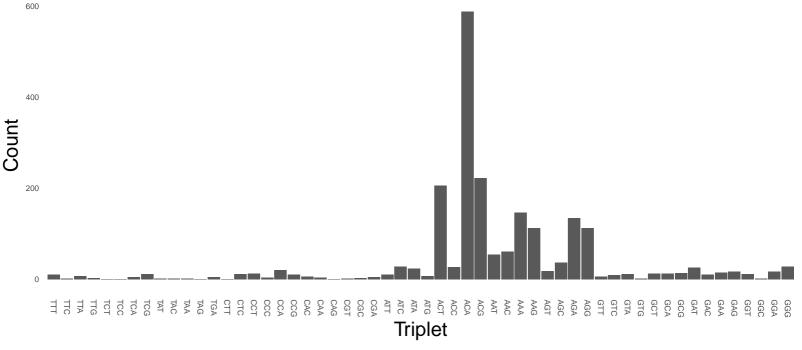
IGHV4-73*01_C24T_C133G_G147A_T163A_C168T_T169G- Final 3 nucleotides as a triplet



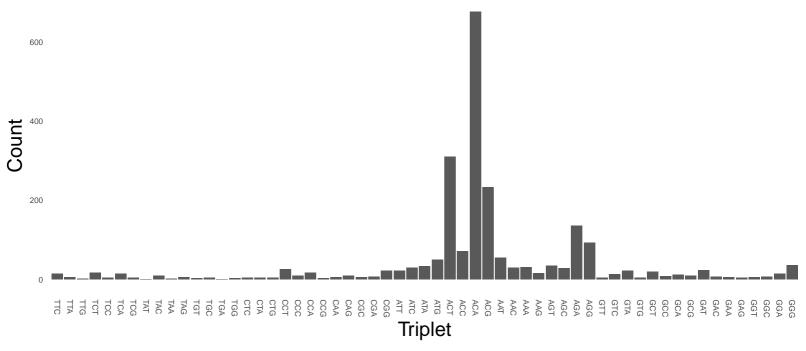
IGHV4-127*01_C34G_T82G_A83G_C87T_A103G_G106T_G107A_T108C_T111C_G112C_G11



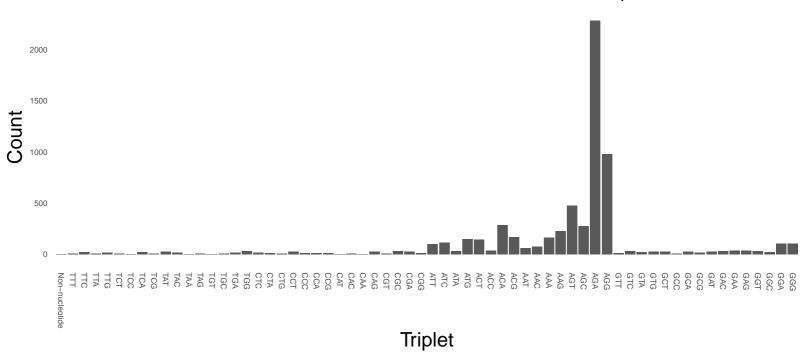
IGHV4-165*01_G32A_G106A_T109A_A132G_G147A_G153A_G189T_T196A_C255T- Final 3 nu

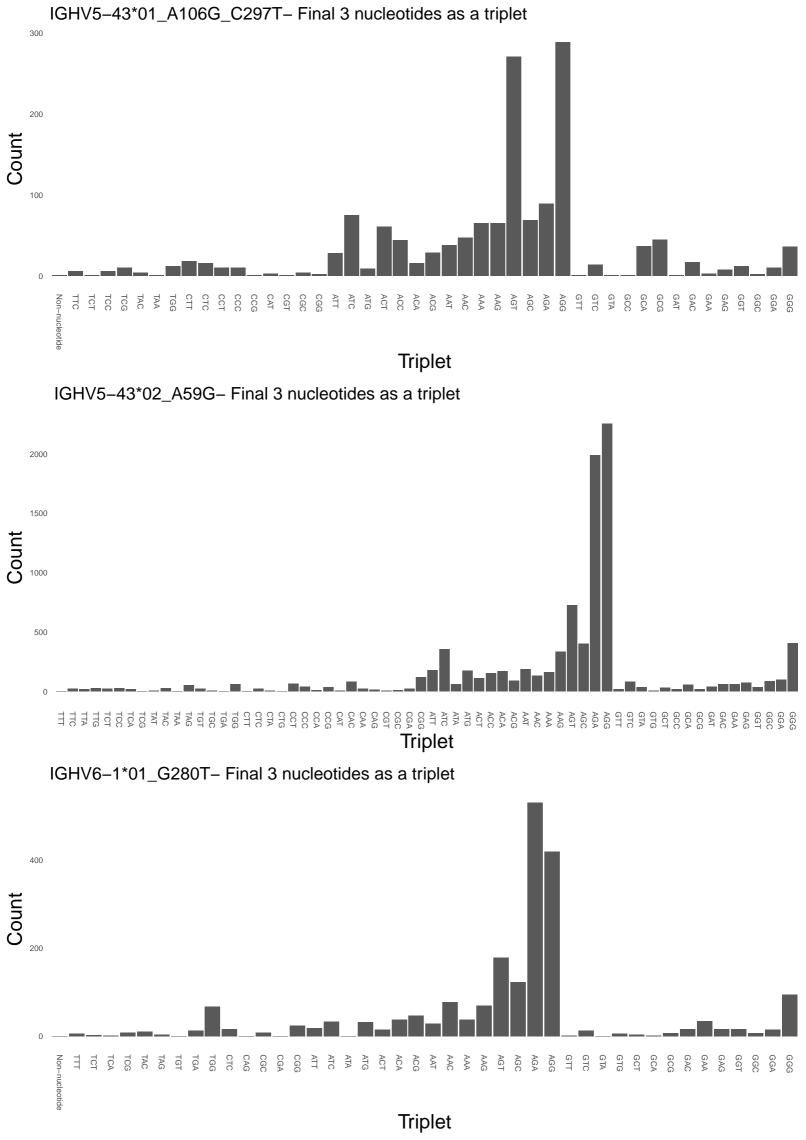


IGHV4-173*01_G48A_C105T_A113G_C114G_G196A_A197G- Final 3 nucleotides as a triplet

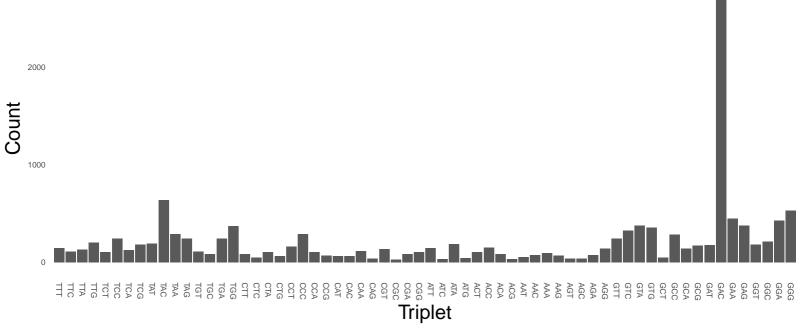


IGHV4S9*01_T106A_A107G_C108T_C297G- Final 3 nucleotides as a triplet

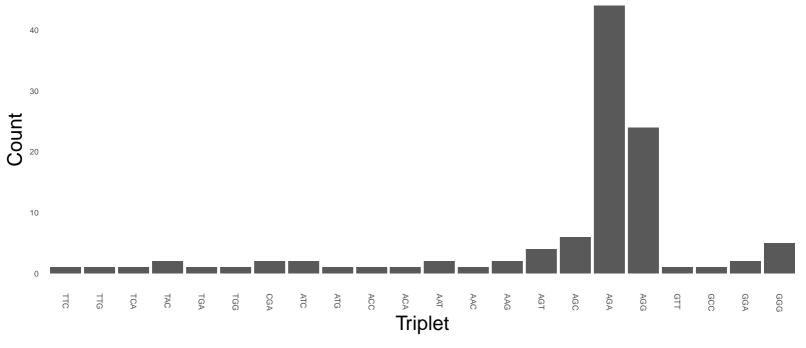




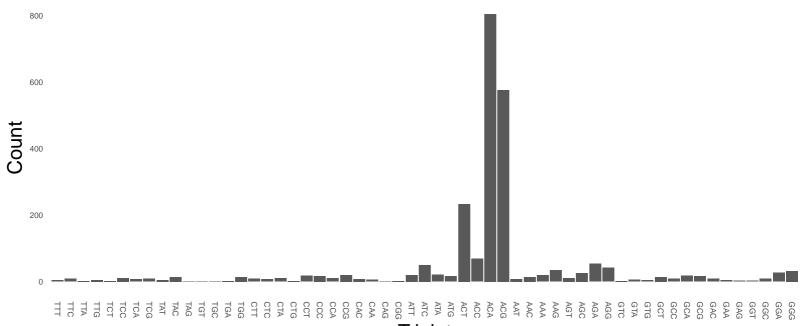
IGHV2-95*01_A252G_A267G- Final 3 nucleotides as a triplet



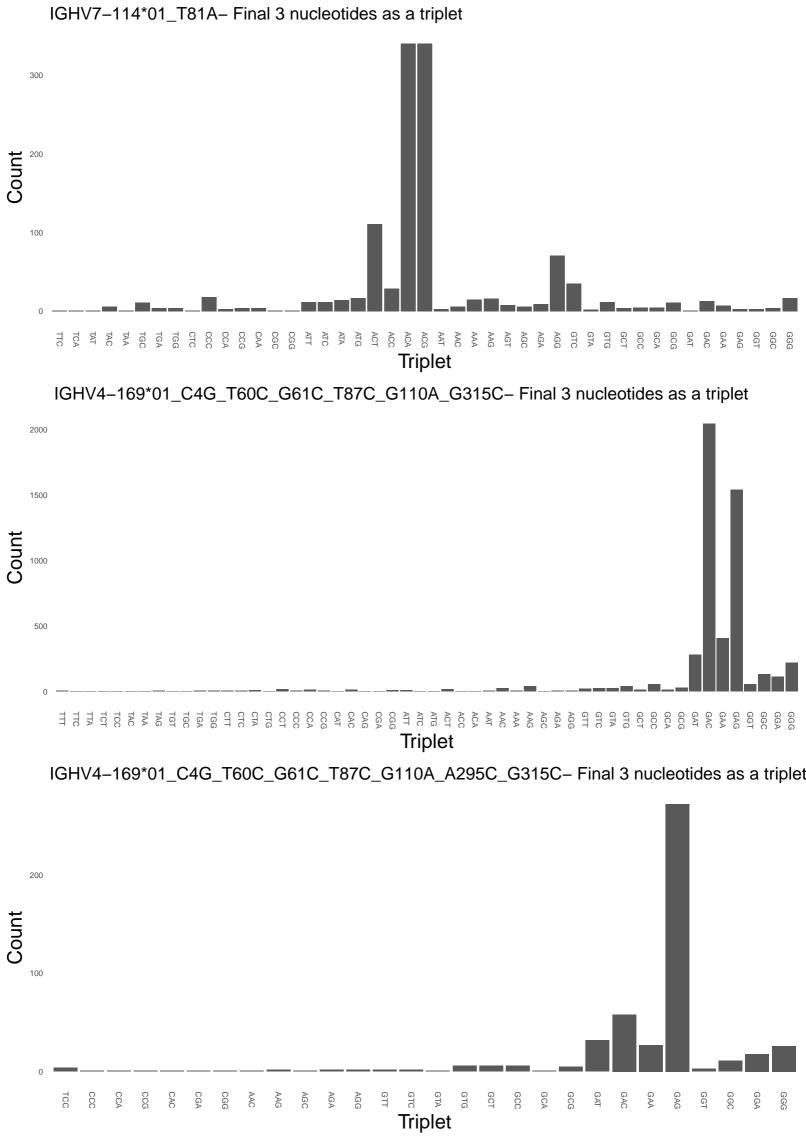
IGHV3-67*01_G66C_C71T_G118C_G119A_G170C_G188A_G196T_G197A_G275A- Final 3 nuc



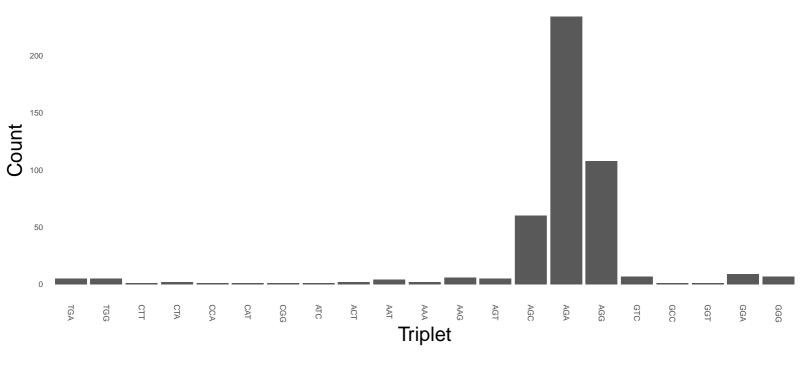
IGHV4-93*02_A109T- Final 3 nucleotides as a triplet

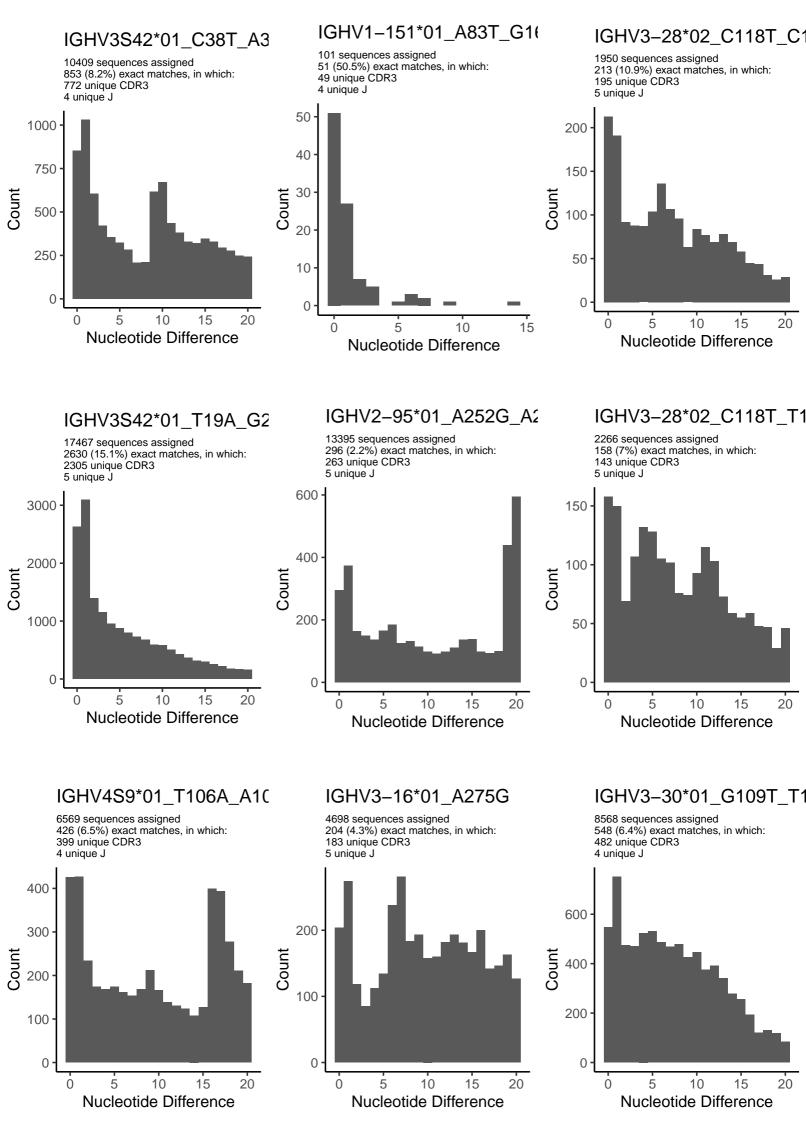


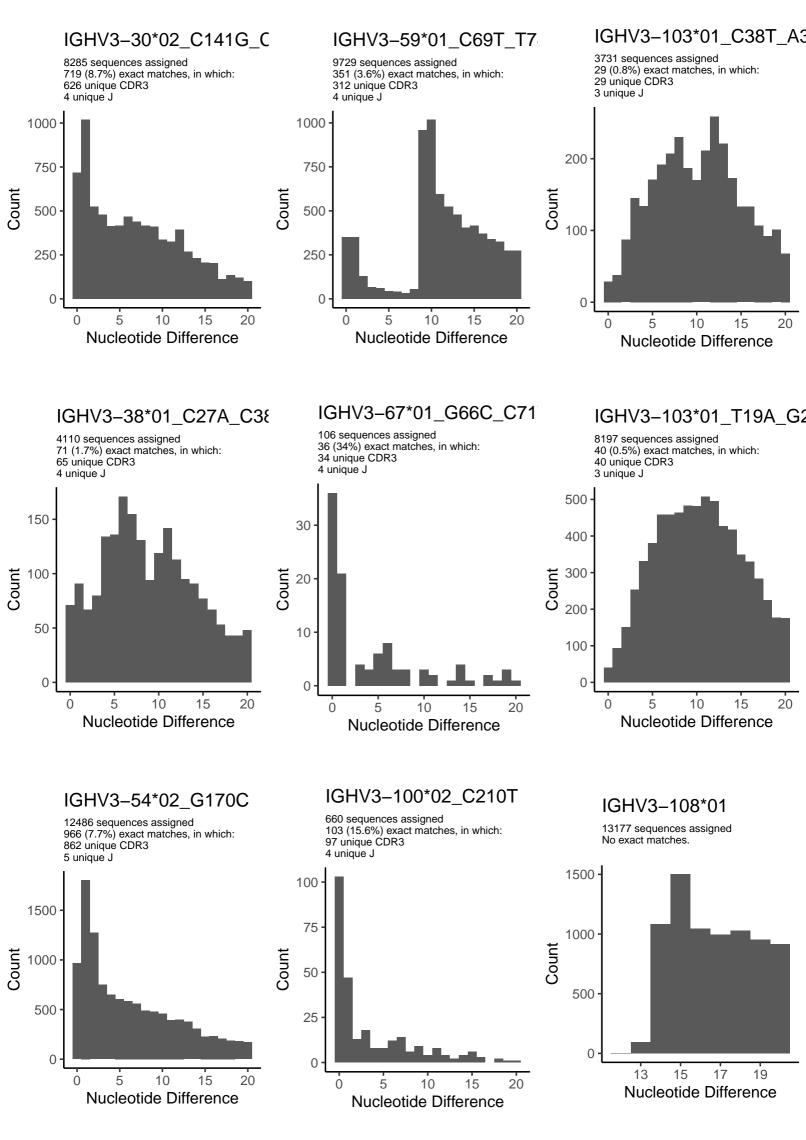
Triplet

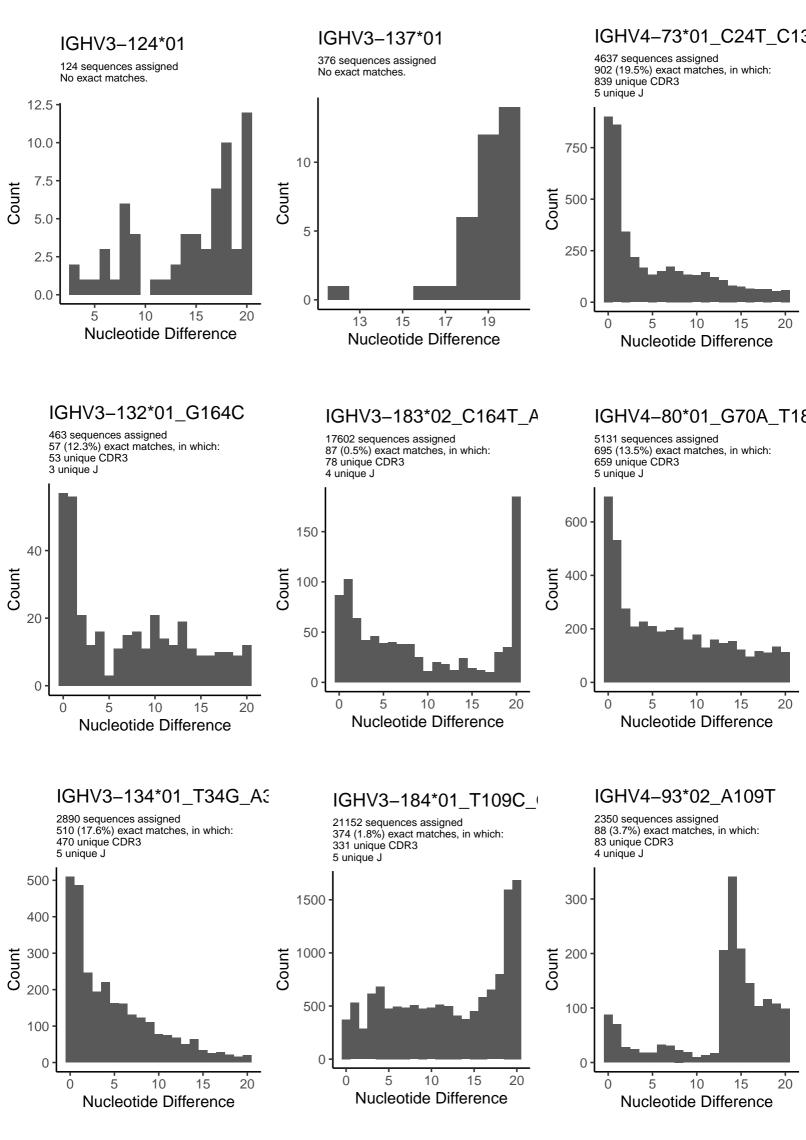


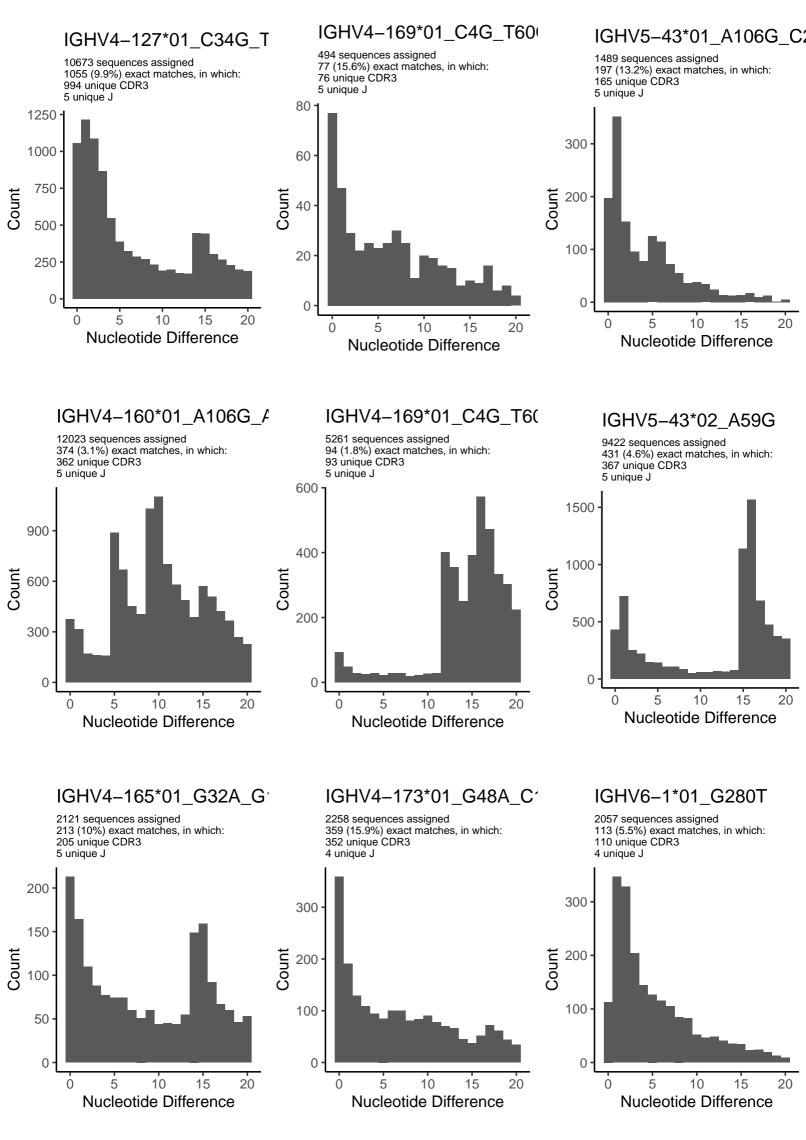
IGHV3-132*01_G164C- Final 3 nucleotides as a triplet





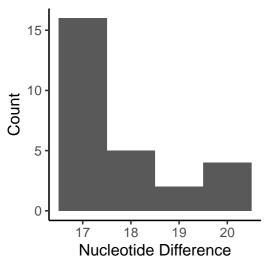






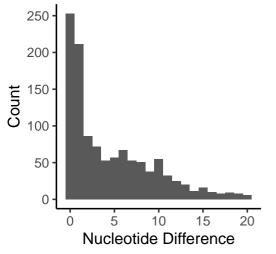
IGHV7-94*01

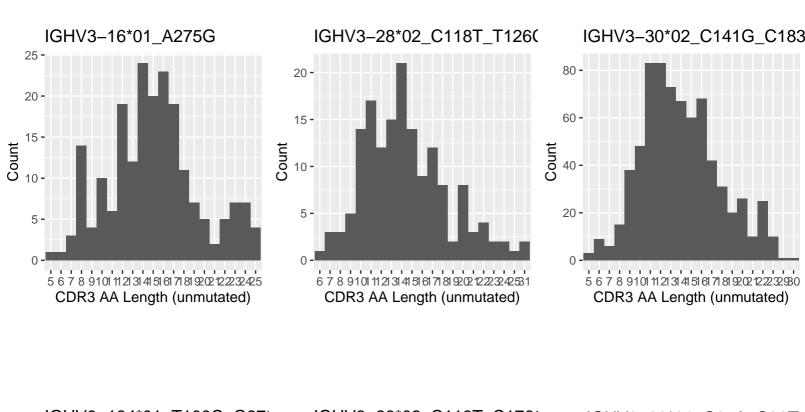
35 sequences assigned No exact matches.

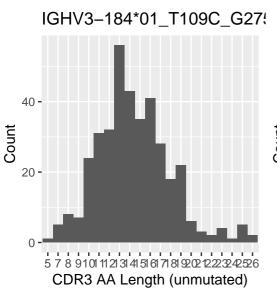


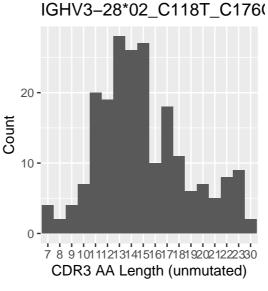
IGHV7-114*01_T81A

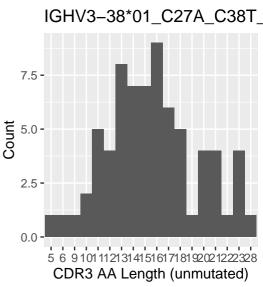
1192 sequences assigned 253 (21.2%) exact matches, in which: 233 unique CDR3 4 unique J

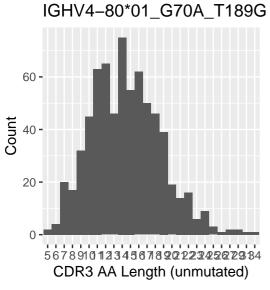


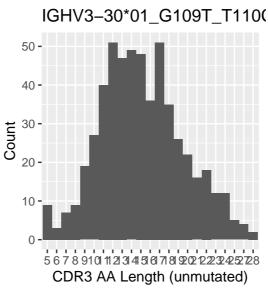


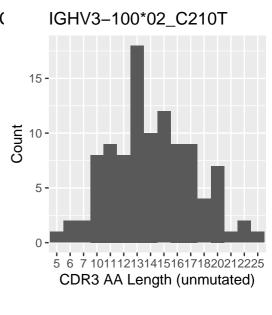


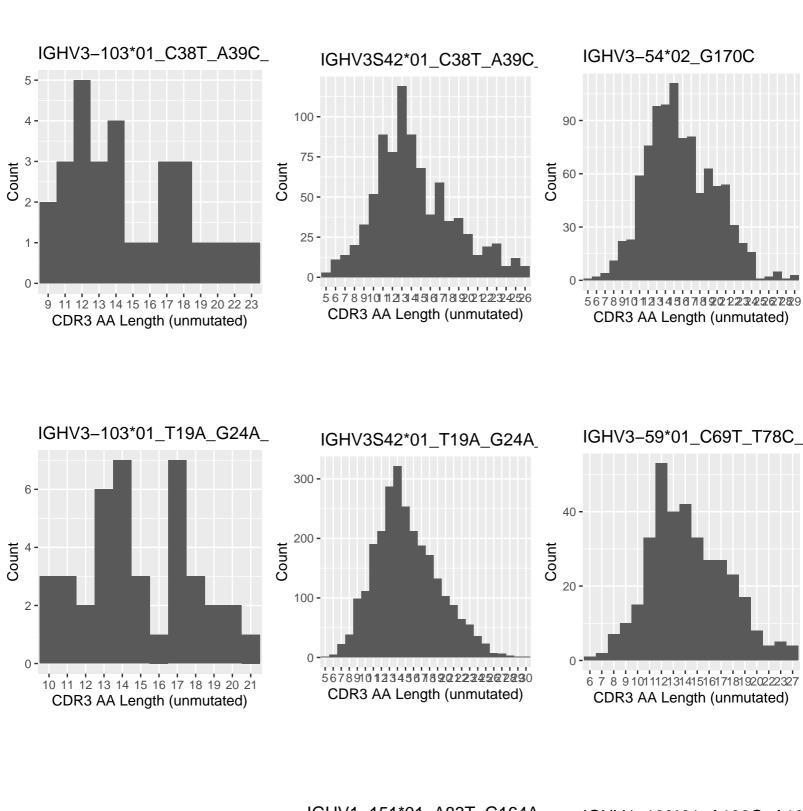


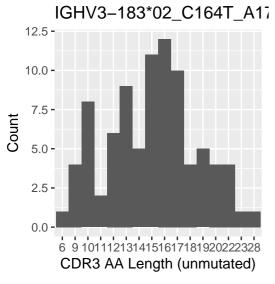


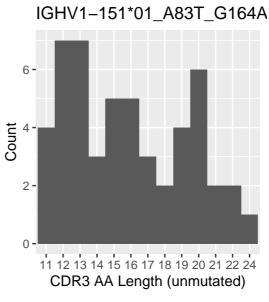


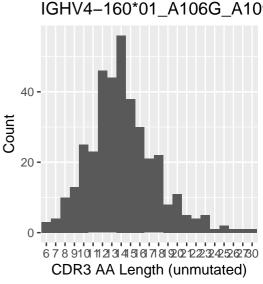


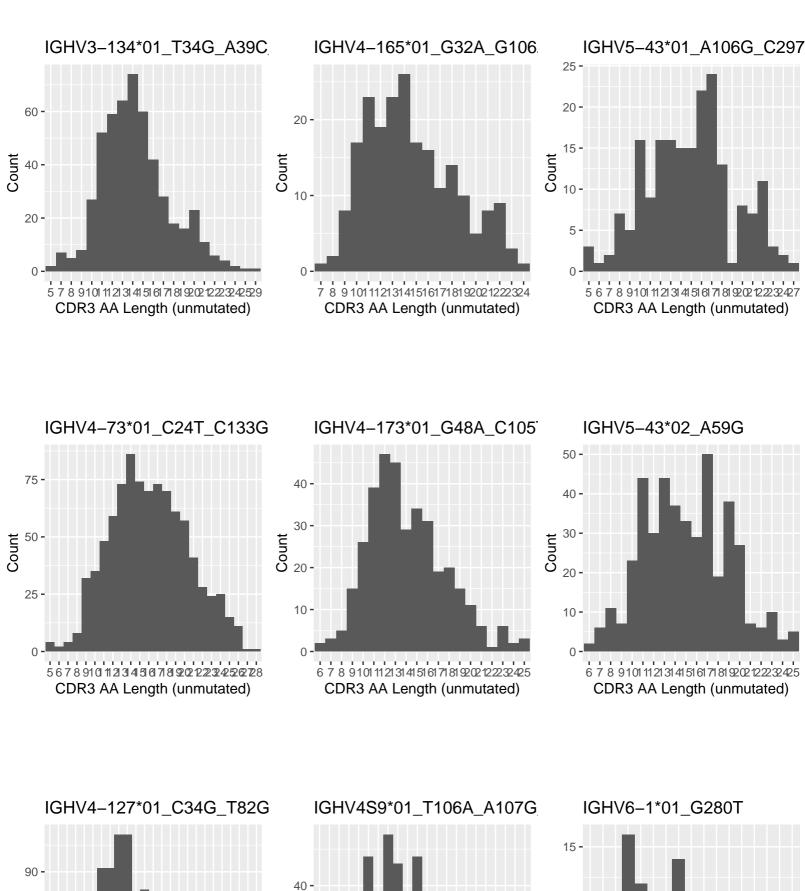


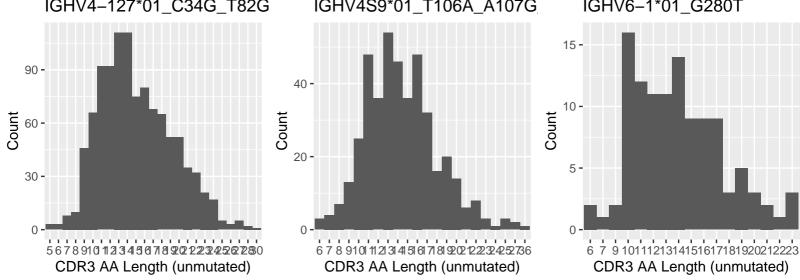


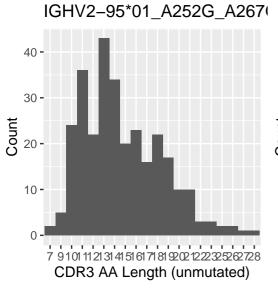


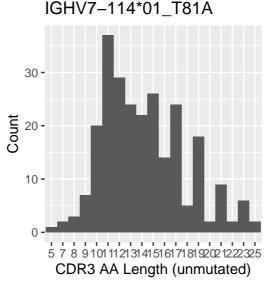


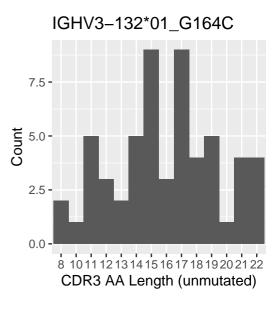


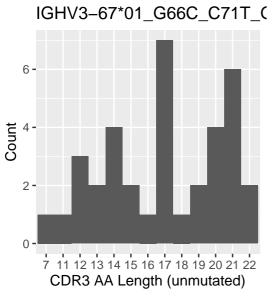


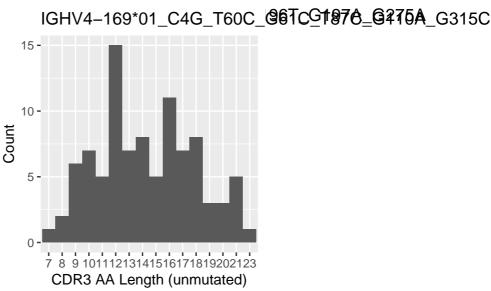


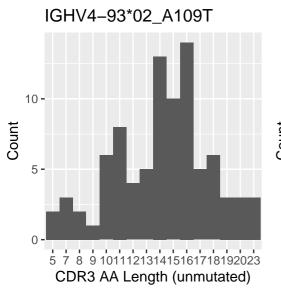


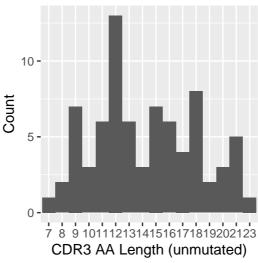












IGHV4-169*01_C4G_T60C_G61C_T87C_G110A_A295C_G31



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.