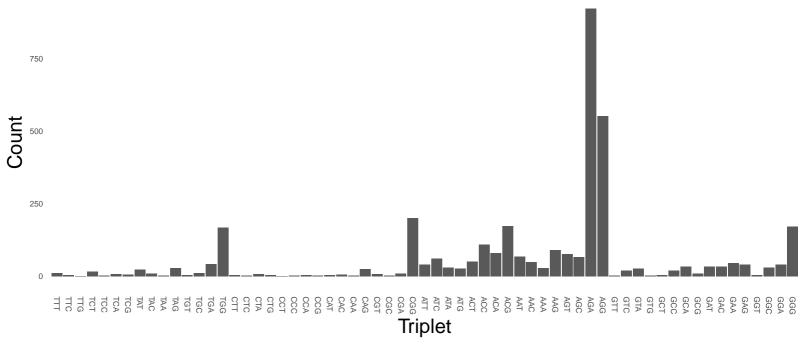
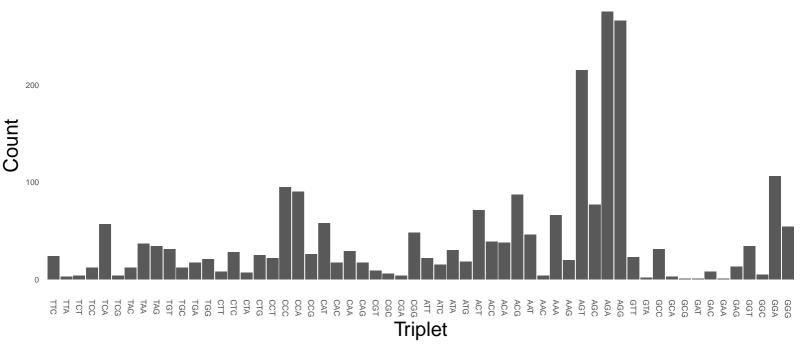


IGHV3-38\*01\_G106A\_C109T\_A192G- Final 3 nucleotides as a triplet 600 Count | GGC **Triplet** IGHV3-134\*01\_A3G\_G87C\_A118C\_G119A\_C163A\_G175A\_G184A\_G191C\_C194T\_T198C\_C2 1200 Count **Triplet** IGHV3S42\*01\_C38T\_A39C\_A40C\_C111T\_T112G\_G114C\_A118T\_T120C\_A133G\_A170G\_C210 **Triplet** 

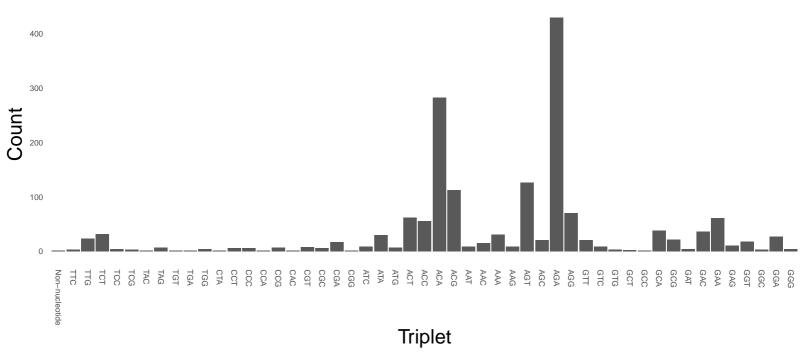
IGHV3S42\*01\_T19A\_G24A\_C27A\_C38T\_A39C\_A40C\_G59A\_C111T\_T112G\_G114C\_A119G\_T



IGHV4-80\*01\_C60T\_C61G\_G70A\_T189G\_T196A- Final 3 nucleotides as a triplet

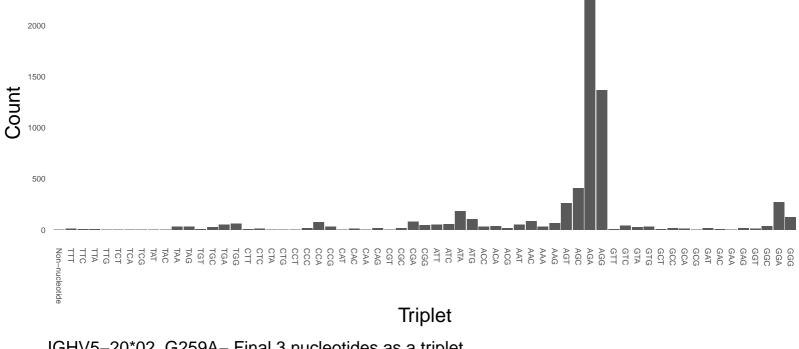


IGHV4-80\*01\_G70A\_C90T\_T109A\_T189G\_T196A- Final 3 nucleotides as a triplet

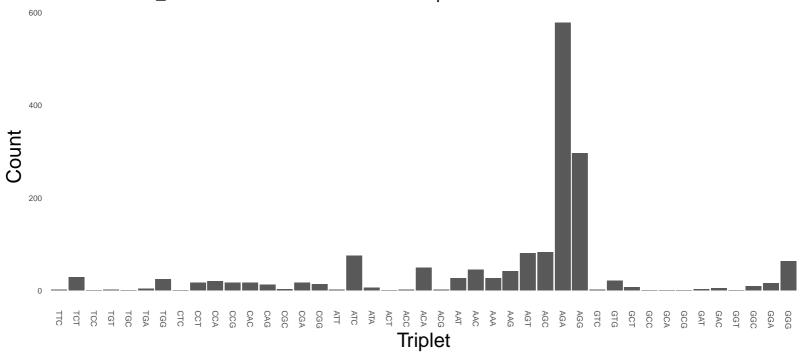


IGHV3-30\*01\_G174C\_A188G\_G189A\_C264T- Final 3 nucleotides as a triplet 1500 **Triplet** IGHV3-30\*02\_C141G\_C183T- Final 3 nucleotides as a triplet 2000 500 **Triplet** IGHV3-37\*01\_C54T\_C114G\_A119C\_C129A\_T136A\_G172C\_G173C\_C177T\_A184G\_C203T\_T2 250 **Triplet** 

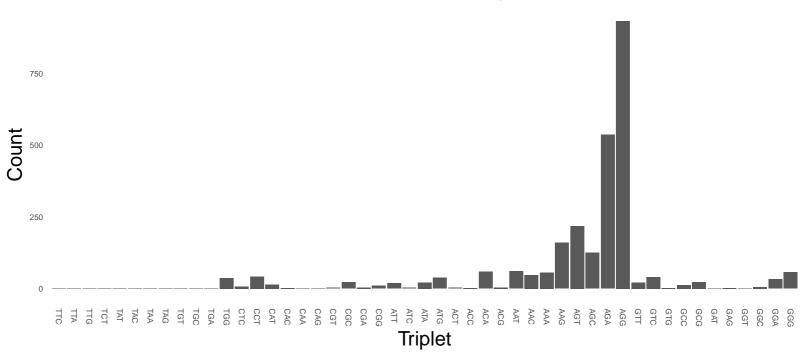
IGHV3-54\*02\_G170C- Final 3 nucleotides as a triplet



IGHV5-20\*02\_G259A- Final 3 nucleotides as a triplet



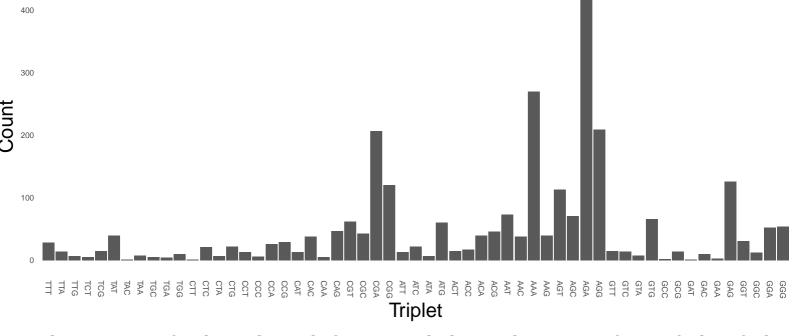
IGHV5-20\*02\_A141G\_C312T- Final 3 nucleotides as a triplet



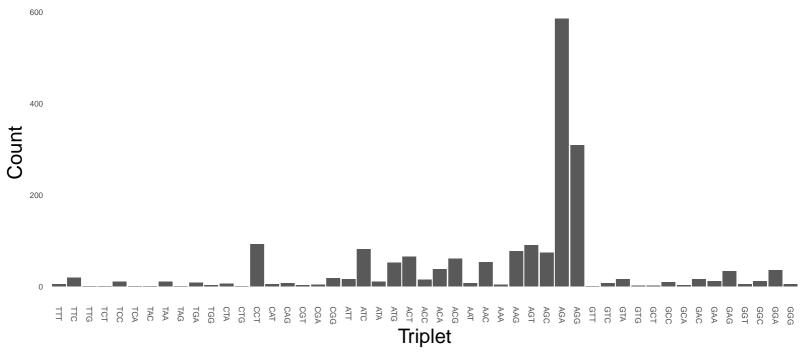
IGHV1-111\*02\_G240A- Final 3 nucleotides as a triplet TGC CAT ATC AAT AGC AGA GCA GAG GGC GGA GGG TAG TGA TGG CCT AAG AGT **Triplet** IGHV3-103\*01\_T19A\_G24C\_C27A\_C38T\_A39C\_A40C\_C113G\_T114C\_C118A\_A119G\_C164G 3000 Count Region of the control **Triplet** IGHV4-73\*01\_G147A\_G189C- Final 3 nucleotides as a triplet 300 

Triplet

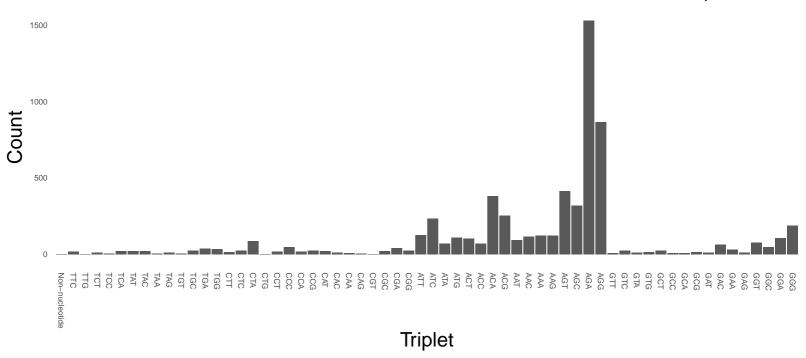
IGHV4-122\*02\_C87T\_G103A\_C133G\_G141A\_A169T\_C170A\_G176C\_G189T\_G197A\_G239C-

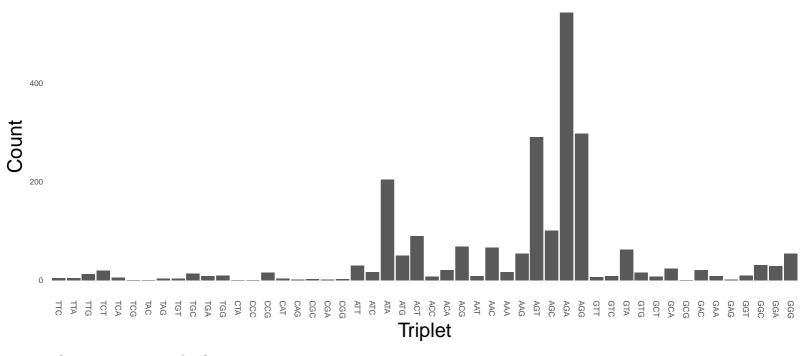


IGHV4-127\*01\_C34G\_T82G\_A83G\_C87T\_A103G\_G106T\_G107A\_T108C\_T111C\_G112C\_G113

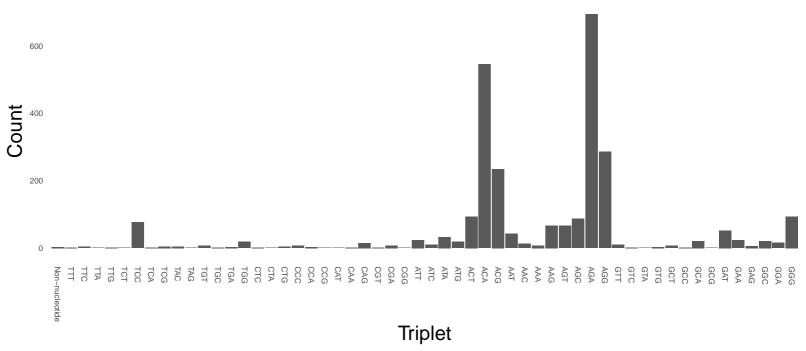


IGHV4-160\*01\_A162G\_C163T\_G164A\_G184A\_G196A- Final 3 nucleotides as a triplet

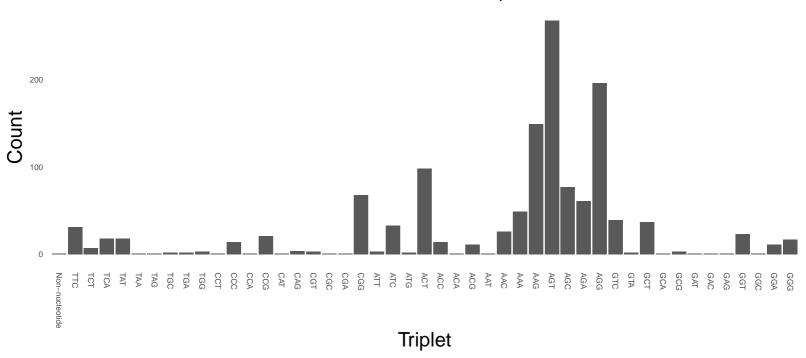




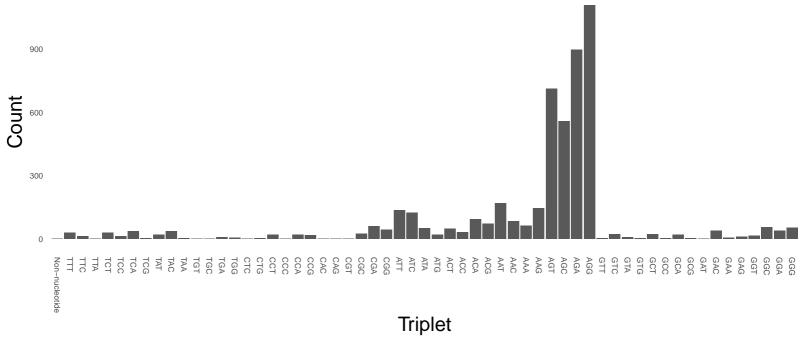
IGHV4-173\*01\_C4G- Final 3 nucleotides as a triplet



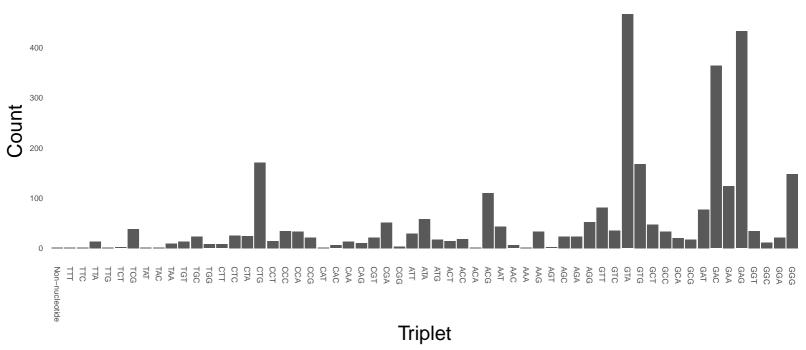
IGHV5-43\*01\_A106G\_C297T- Final 3 nucleotides as a triplet



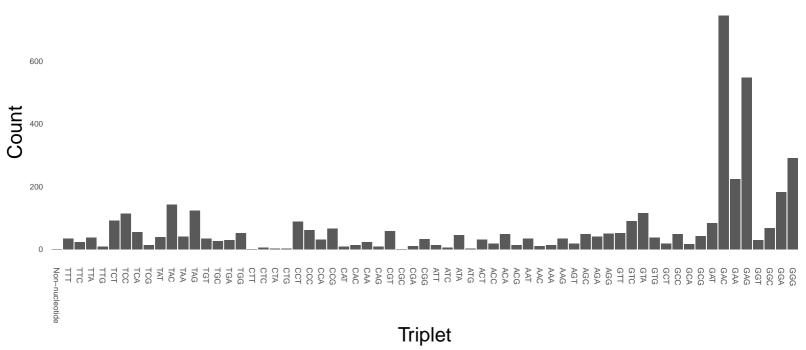
IGHV5-43\*01\_A109T\_G110A\_G164T\_C165G\_C225G\_T231C\_A259G- Final 3 nucleotides as a t

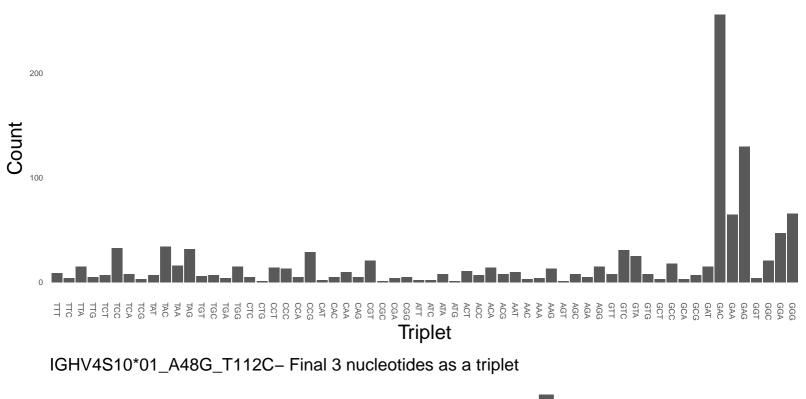


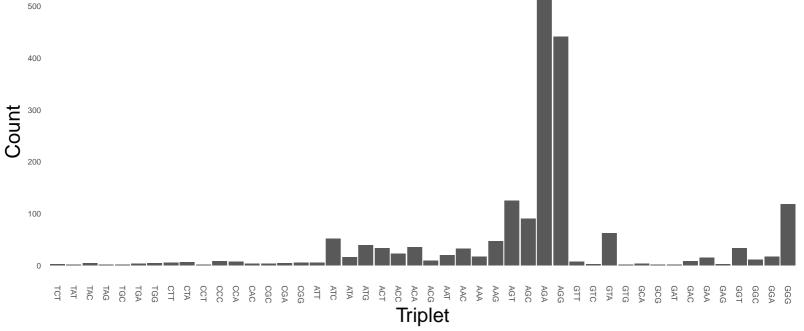
IGHV2-10\*01\_C6G\_A23G\_G112C\_G118A\_A119G\_G121T\_G141A\_C205A\_G210T- Final 3 nucle



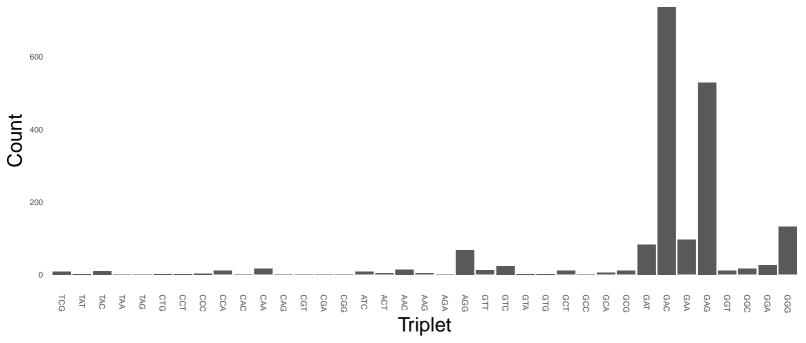
IGHV2S1\*01\_T210G- Final 3 nucleotides as a triplet

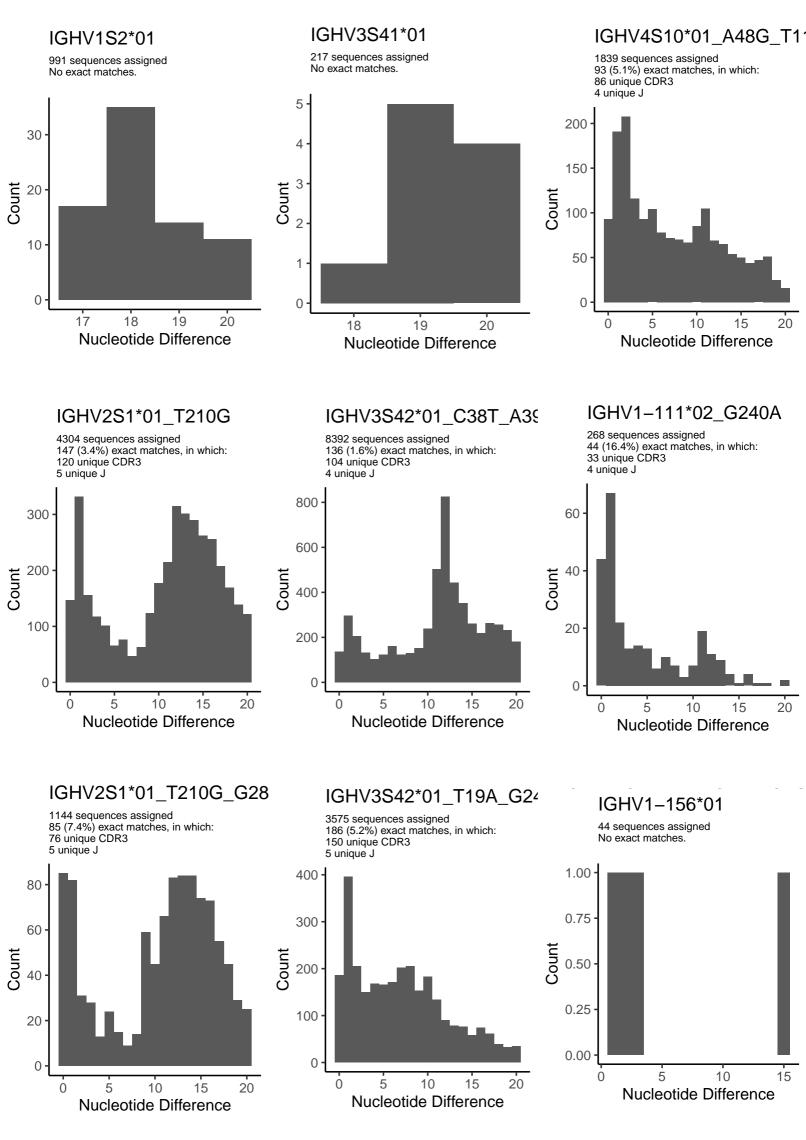


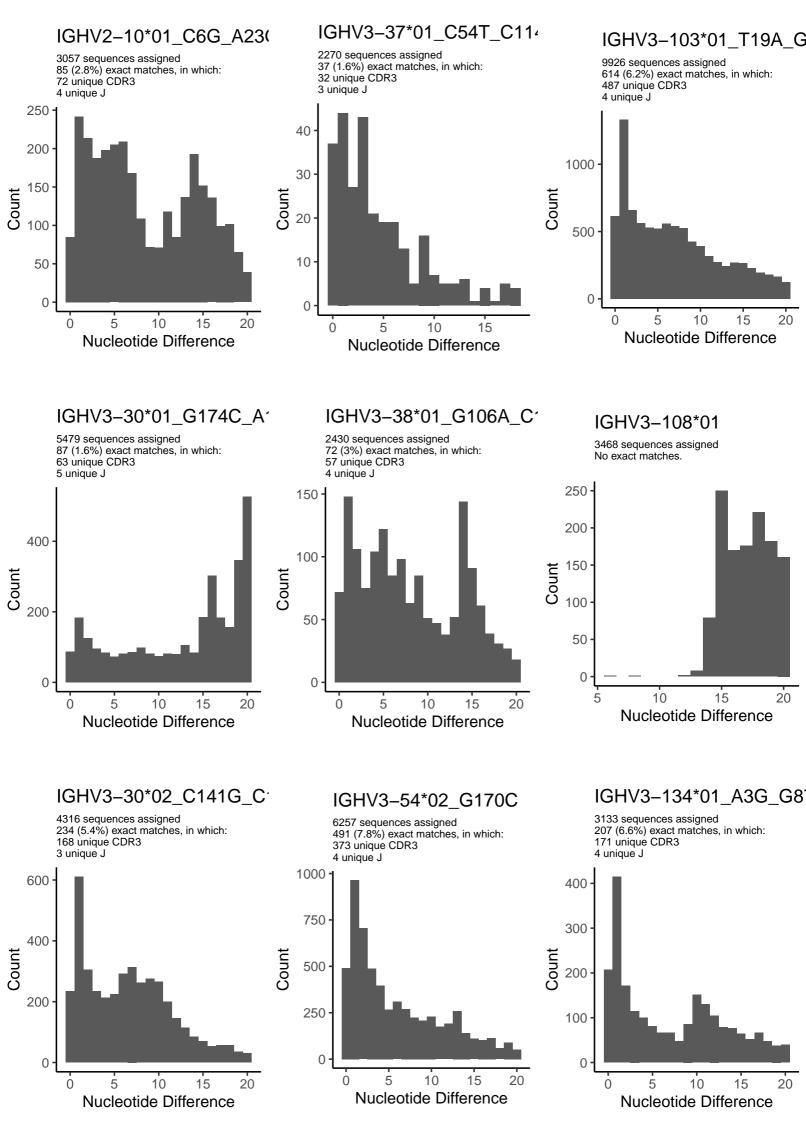


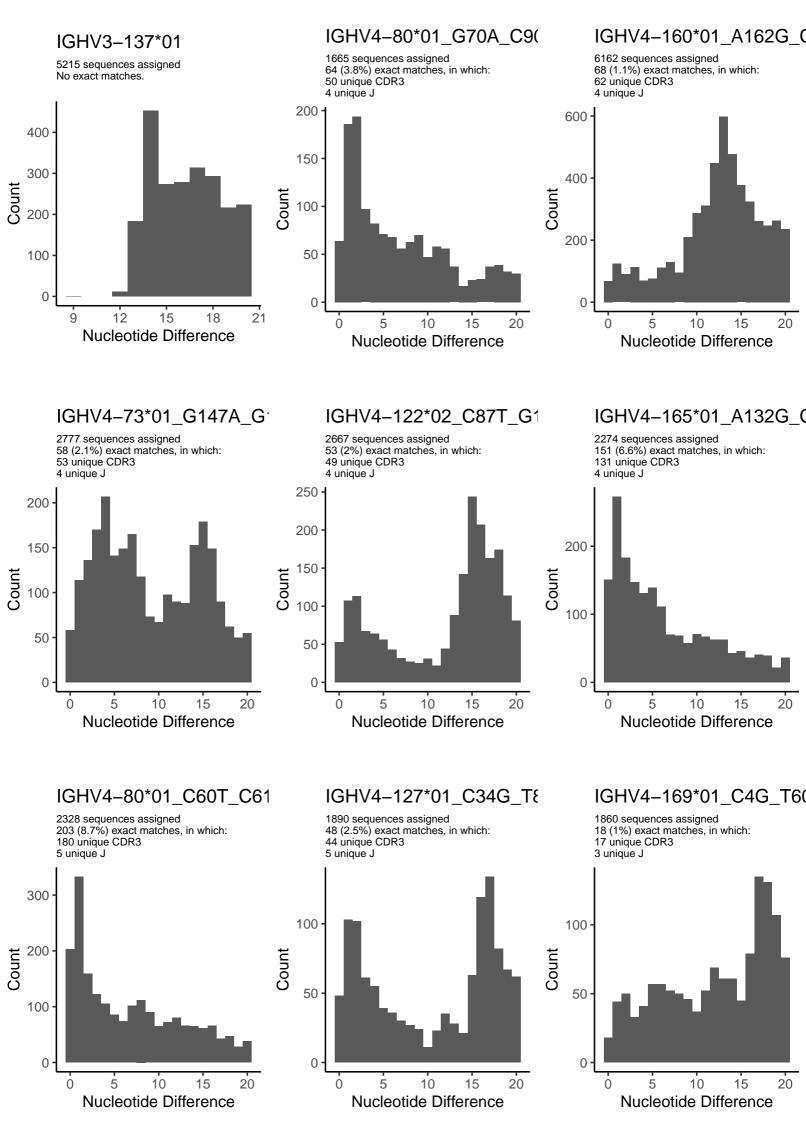


IGHV4-169\*01\_C4G\_T60C\_G61C\_T163C\_A164G\_T169G\_G172A\_T189G\_A196T\_C259T- Fina

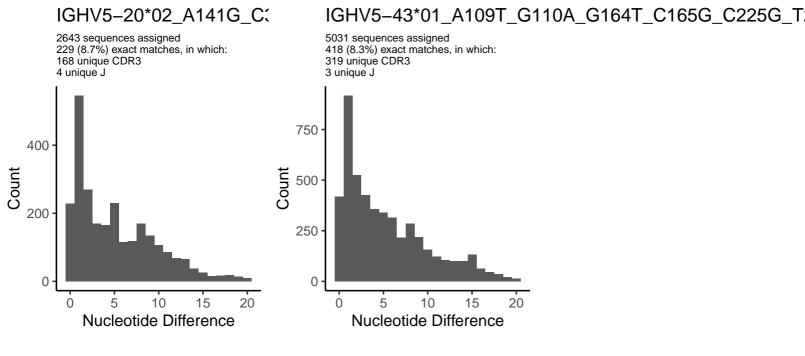


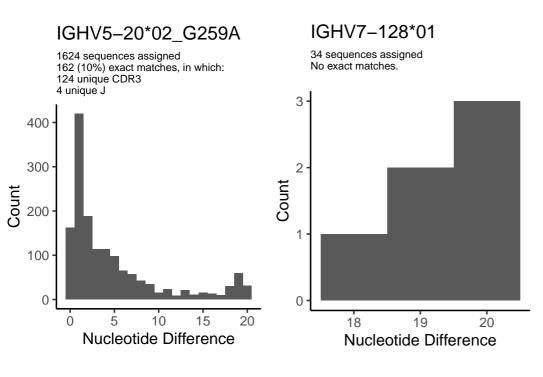


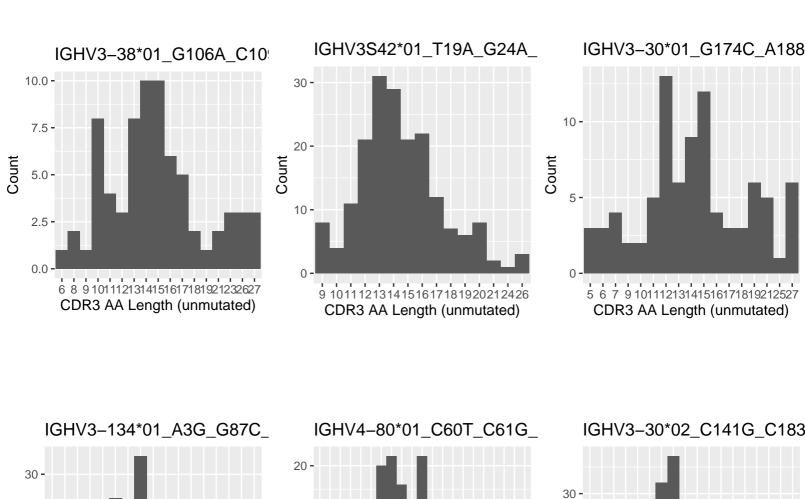


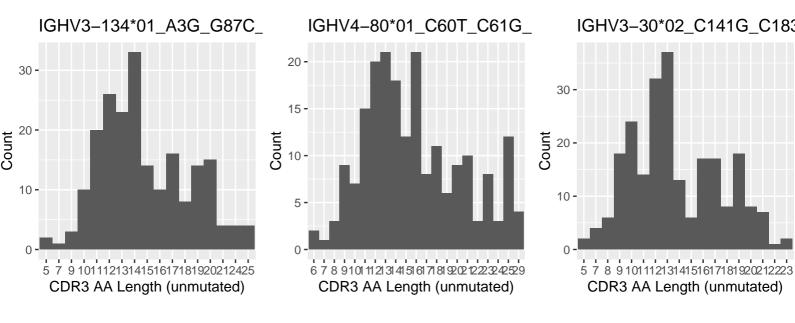


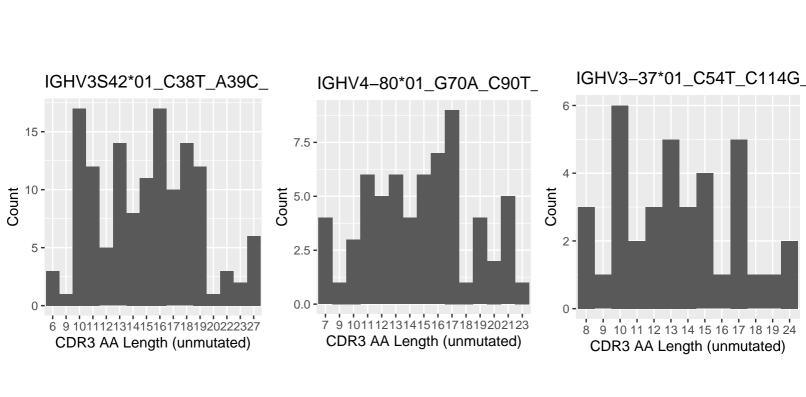
## IGHV4-173\*01\_C4G IGHV5-43\*01\_A106G\_C297T 2665 sequences assigned 88 (3.3%) exact matches, in which: 85 unique CDR3 1325 sequences assigned 141 (10.6%) exact matches, in which: 106 unique CDR3 4 unique J 5 unique J 300 75 200 Count Count 50 100 25 0 0 5 10 15 20 0 10 15 20 **Nucleotide Difference** Nucleotide Difference

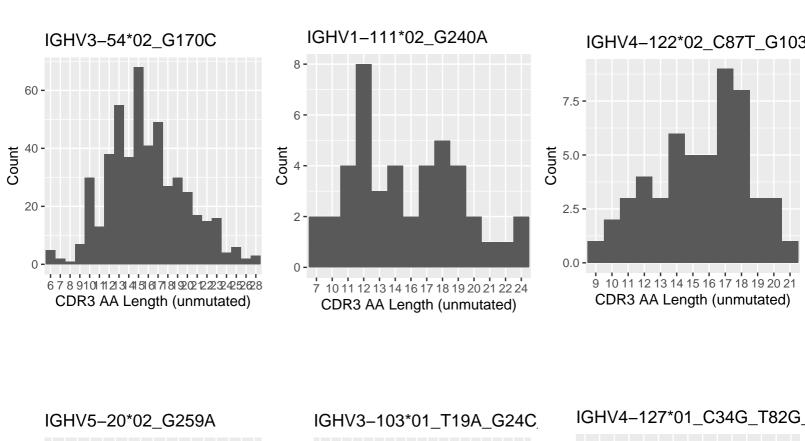


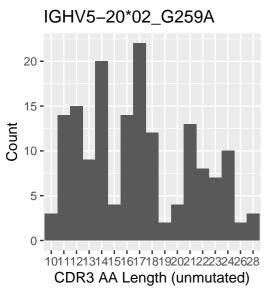


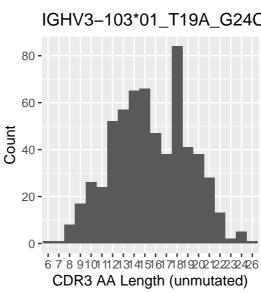


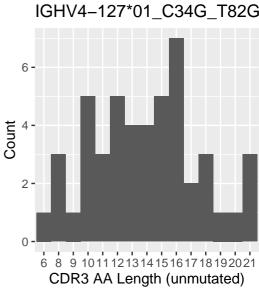


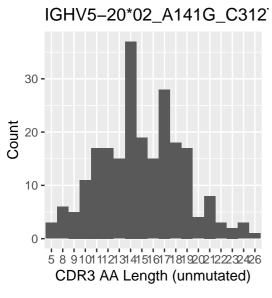


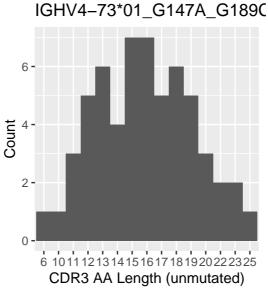


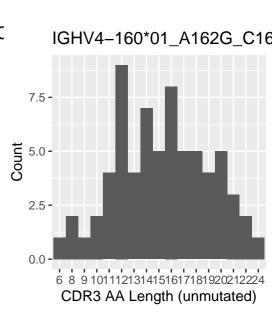


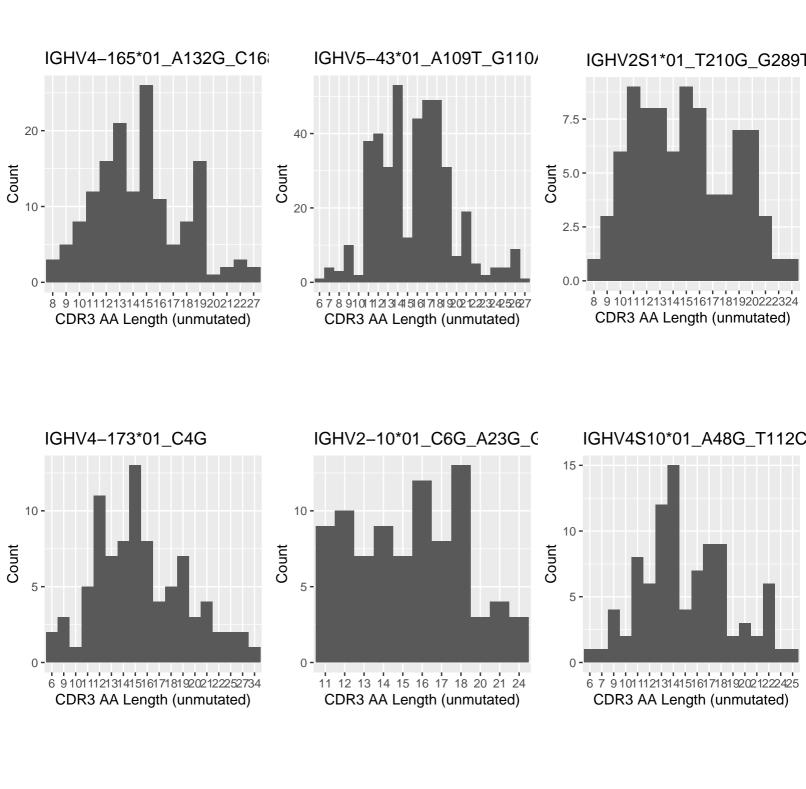


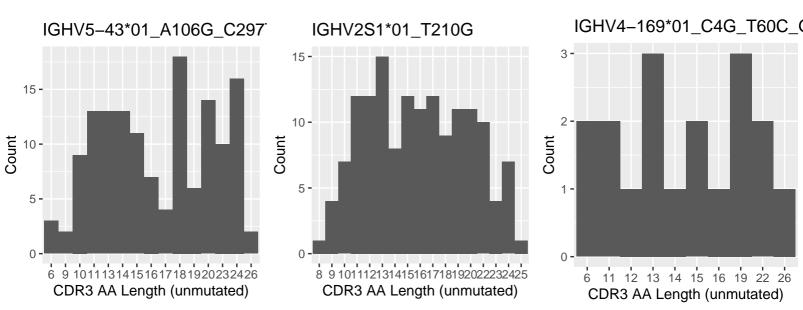














Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.