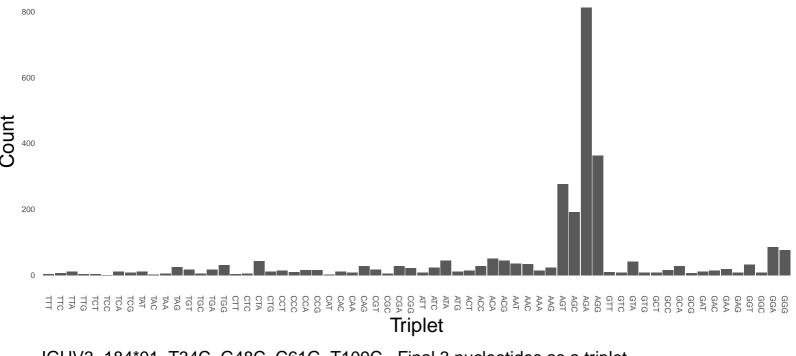
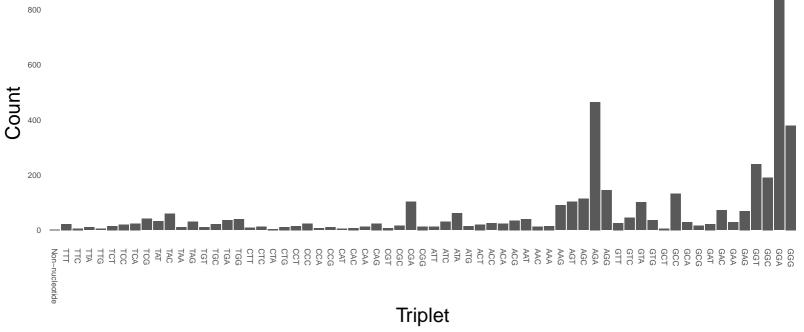


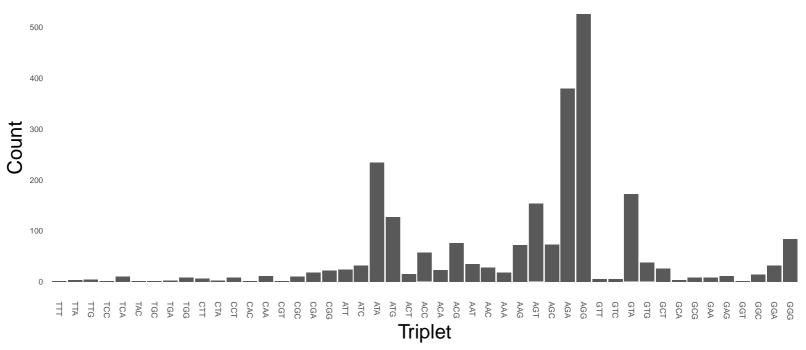
IGHV3-16\*01\_A51T\_T78C\_A119G\_C264T- Final 3 nucleotides as a triplet



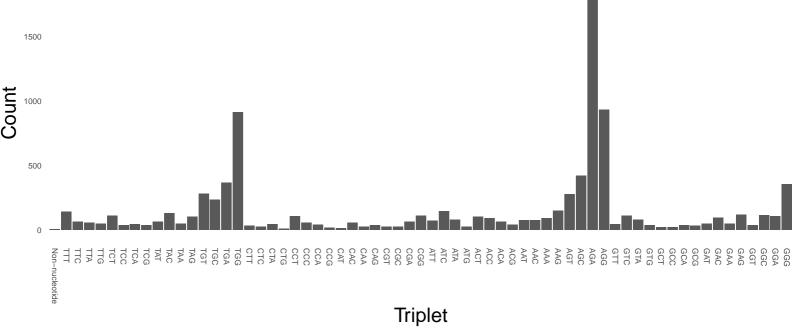
IGHV3-184\*01\_T34C\_G48C\_C61G\_T109C- Final 3 nucleotides as a triplet



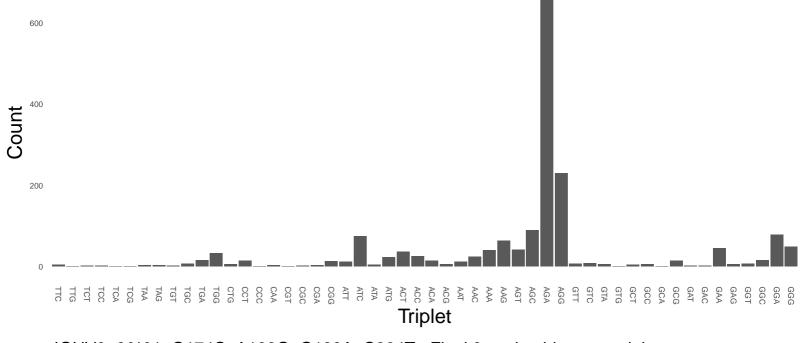
IGHV1-200\*01\_A18G\_G60A\_C78T\_T84C\_G146T\_A147G\_C153G\_G159A\_G210A\_A275G- Final



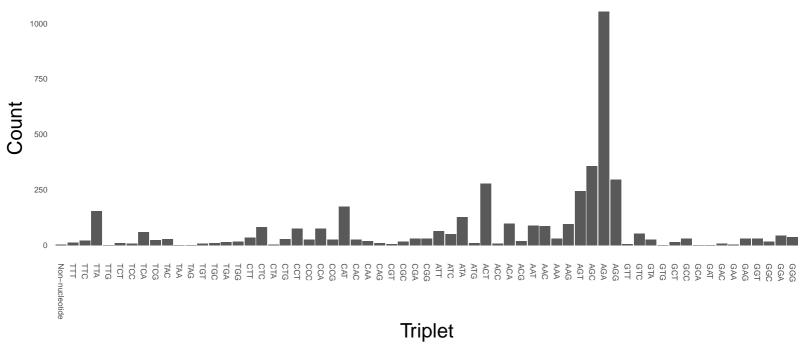
IGHV3S42\*01\_T120C\_A133G\_G141A\_A157G\_T288G- Final 3 nucleotides as a triplet

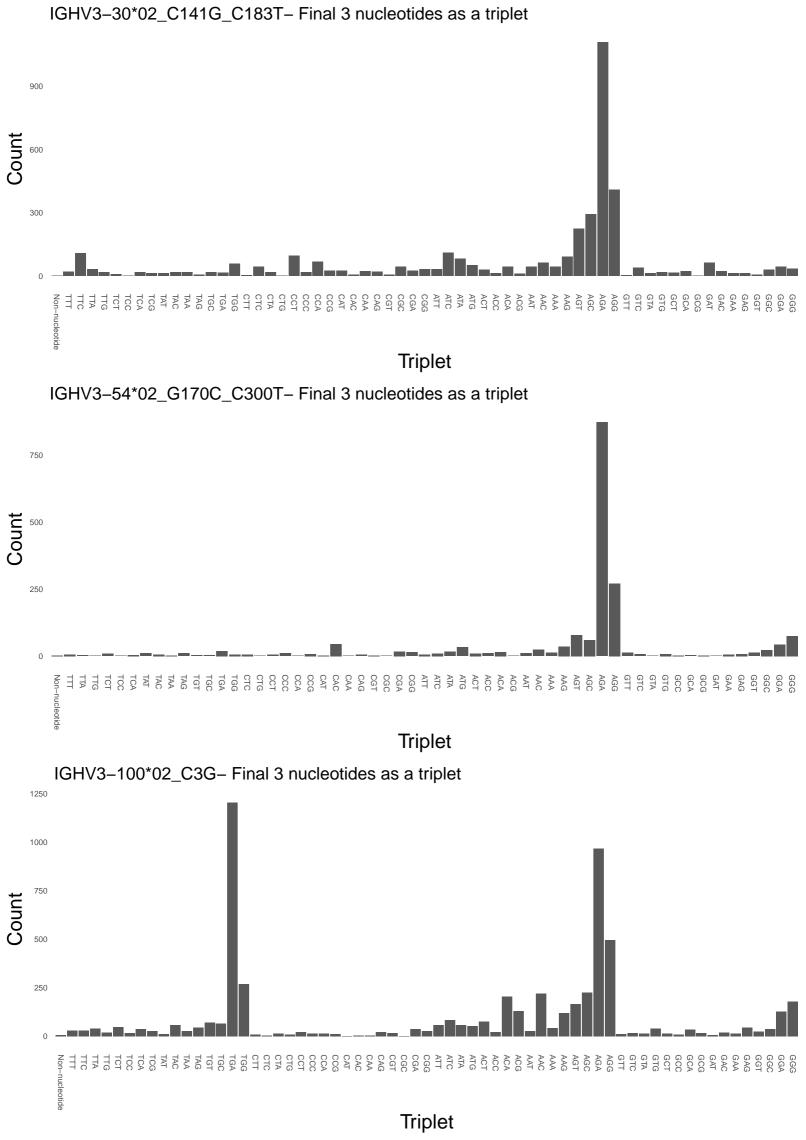


IGHV3S42\*01\_C27A\_C38T\_A39G\_A40C\_G113A\_G114C\_A118T\_T120C\_A133G\_G173C\_G216A

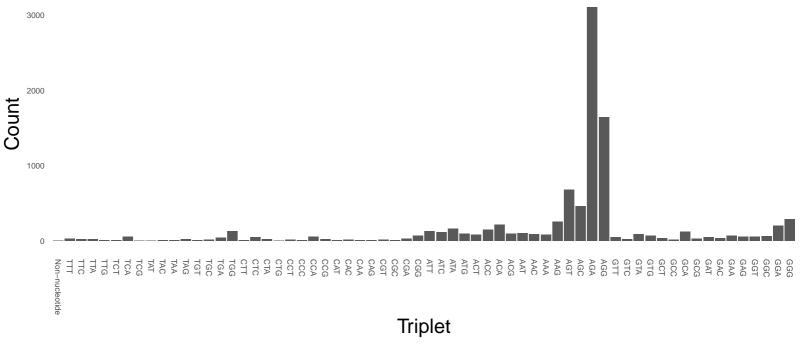


IGHV3-30\*01\_G174C\_A188G\_G189A\_C264T- Final 3 nucleotides as a triplet

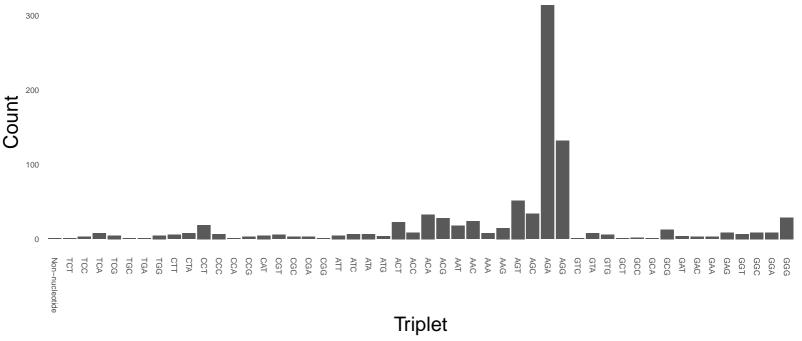




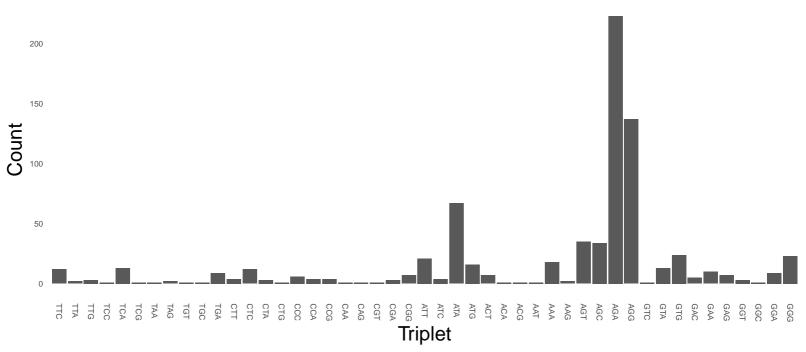
IGHV3-116\*02\_G8A\_T109C- Final 3 nucleotides as a triplet

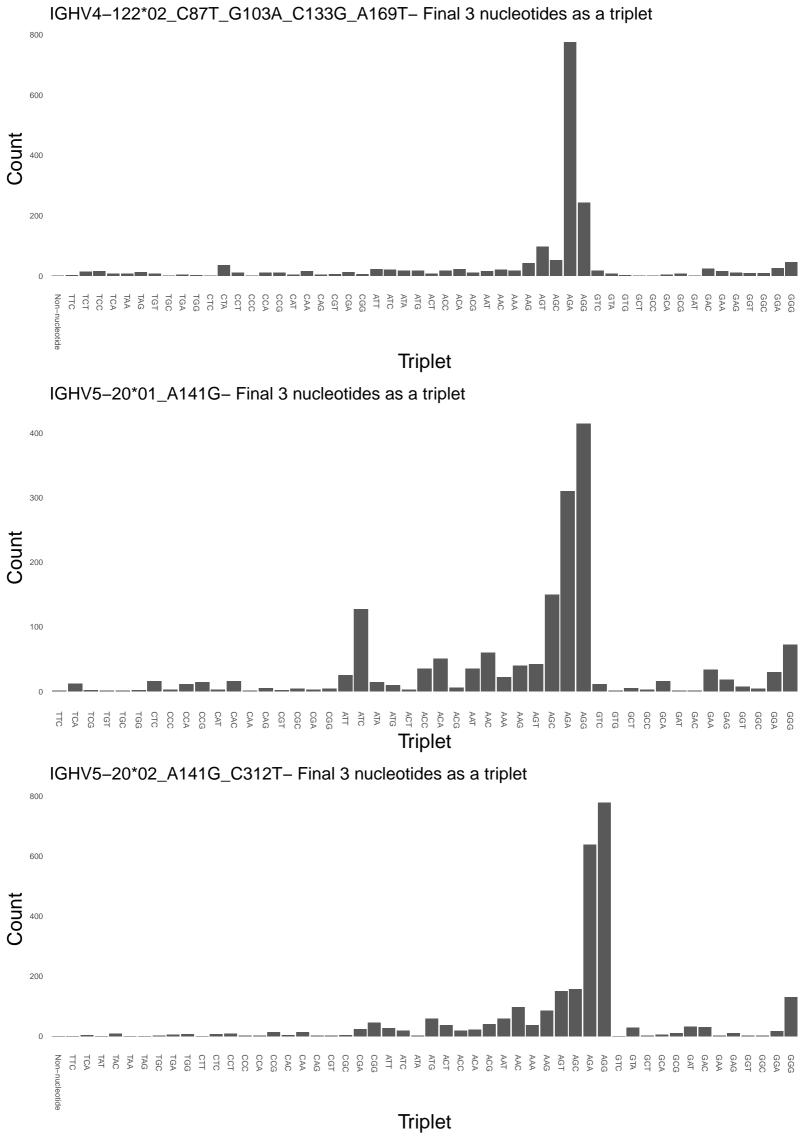


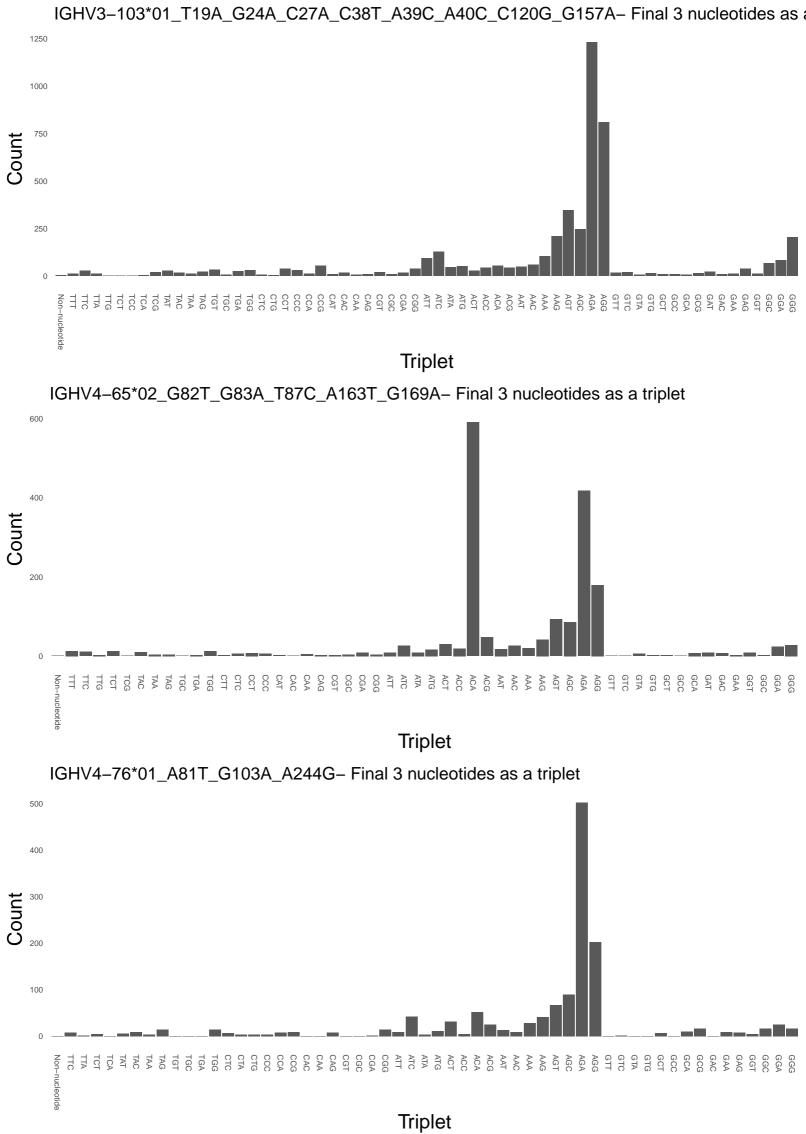
IGHV4-57\*02\_C87T\_G199T\_C207G\_A239C\_T255C- Final 3 nucleotides as a triplet

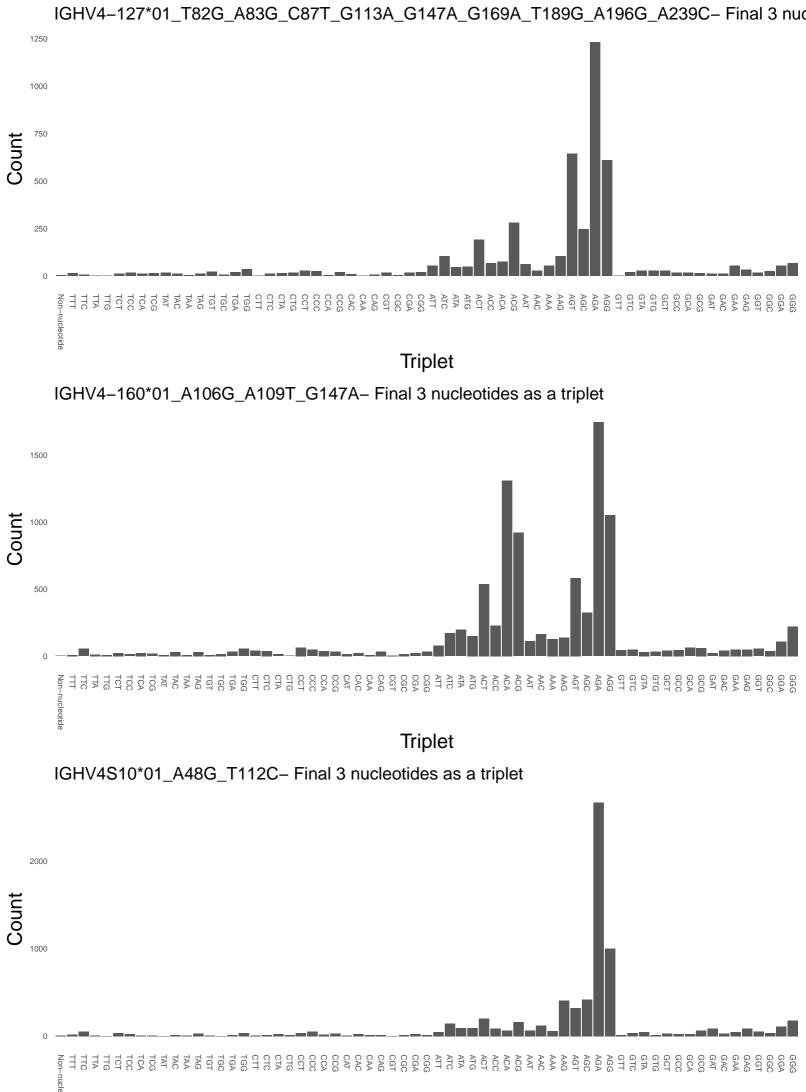


IGHV4-73\*01\_G104A\_G147A- Final 3 nucleotides as a triplet



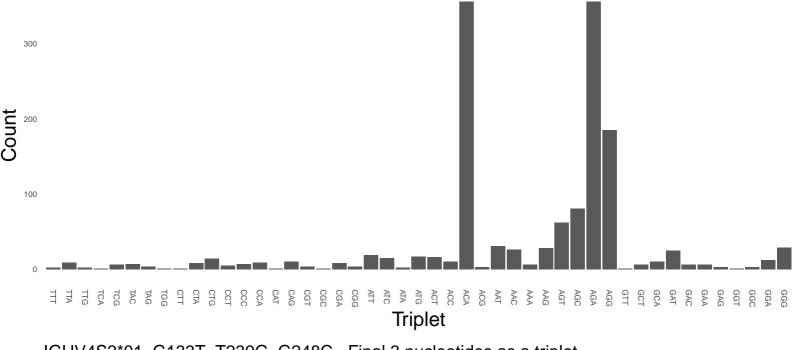




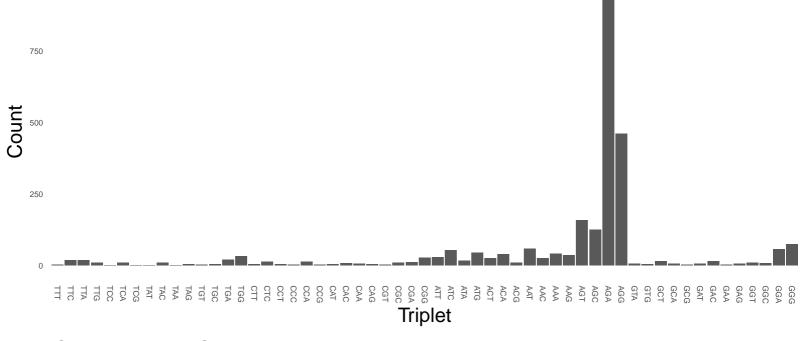


Triplet

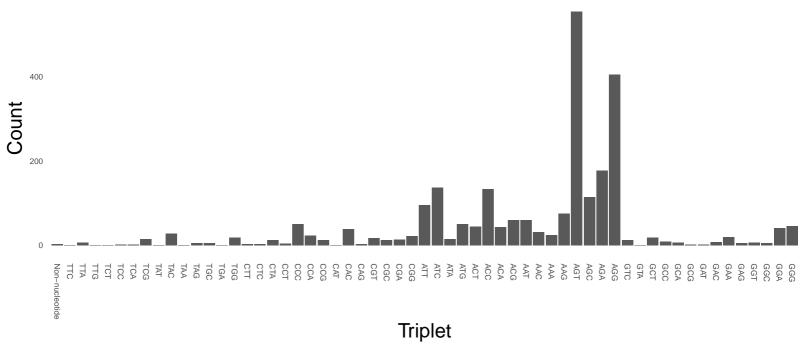
IGHV4S13\*01\_G163A\_C210T\_G289A- Final 3 nucleotides as a triplet



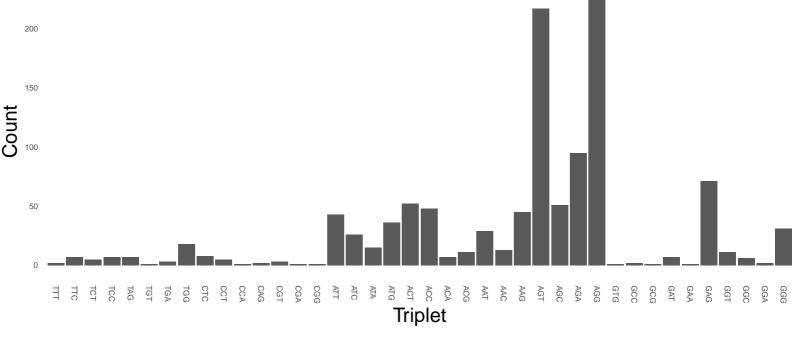
IGHV4S2\*01\_G133T\_T239G\_G248C- Final 3 nucleotides as a triplet



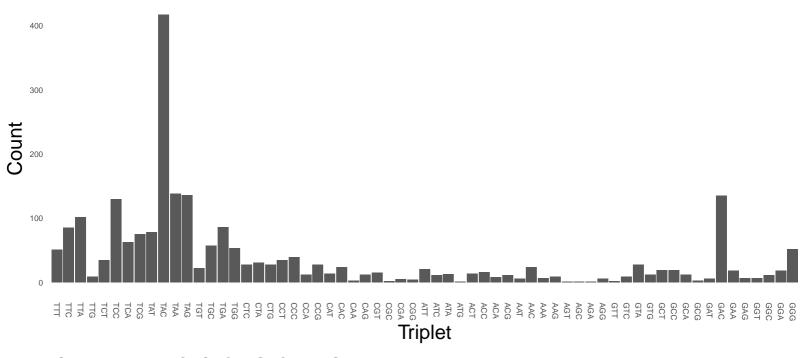
IGHV5-43\*01\_A51G- Final 3 nucleotides as a triplet



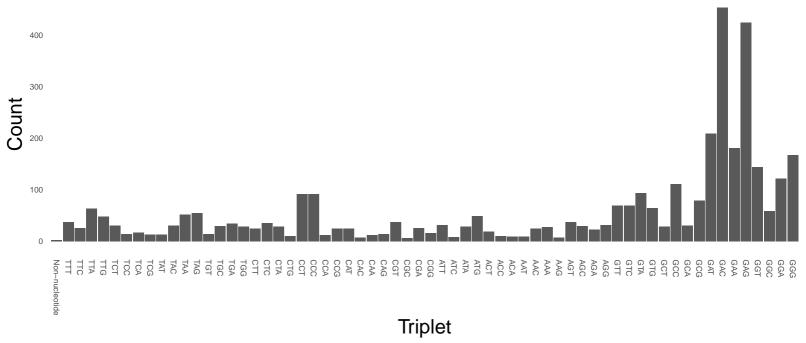
IGHV5-43\*01\_A106G- Final 3 nucleotides as a triplet



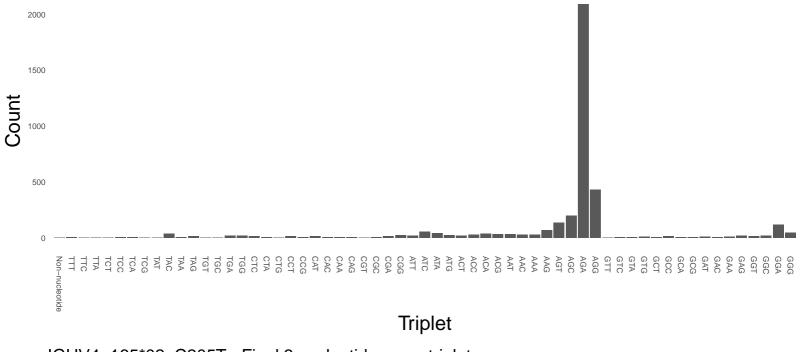
IGHV2-95\*01\_A267G- Final 3 nucleotides as a triplet



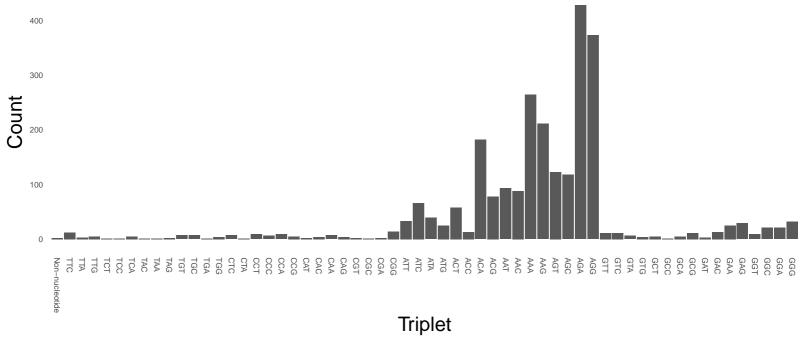
IGHV2-174\*01\_C6G\_C92G\_C93T\_G289T- Final 3 nucleotides as a triplet



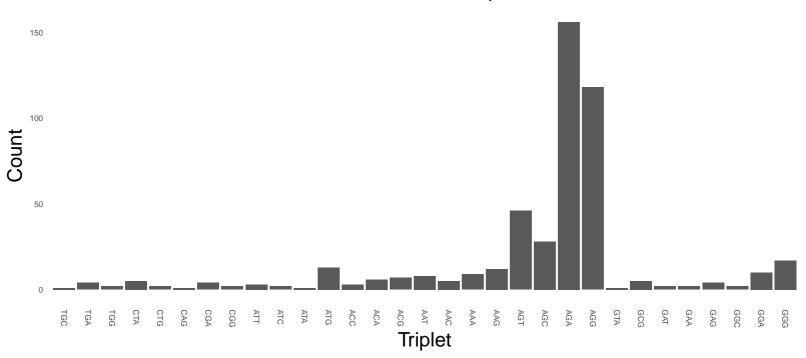
IGHV3-178\*02\_A274G- Final 3 nucleotides as a triplet



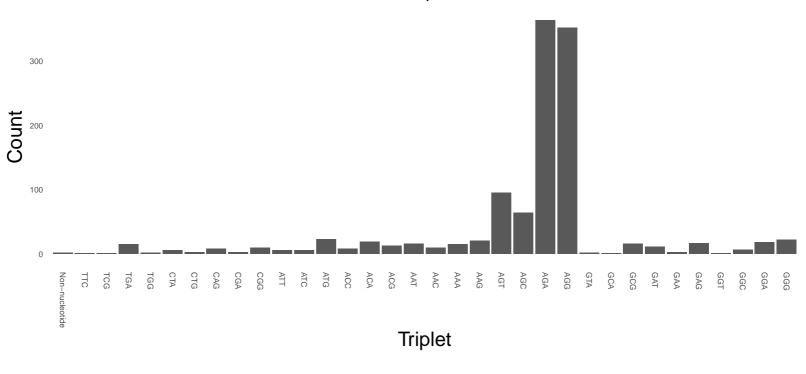
IGHV4-165\*02\_C205T- Final 3 nucleotides as a triplet

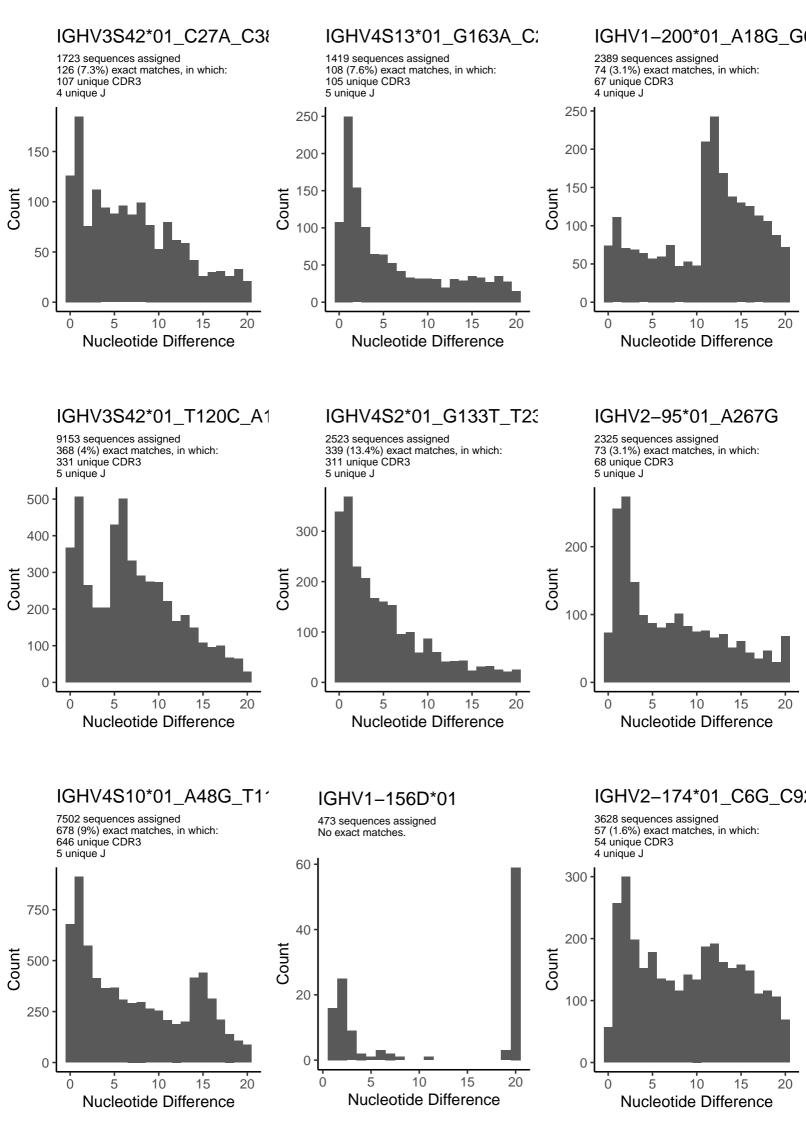


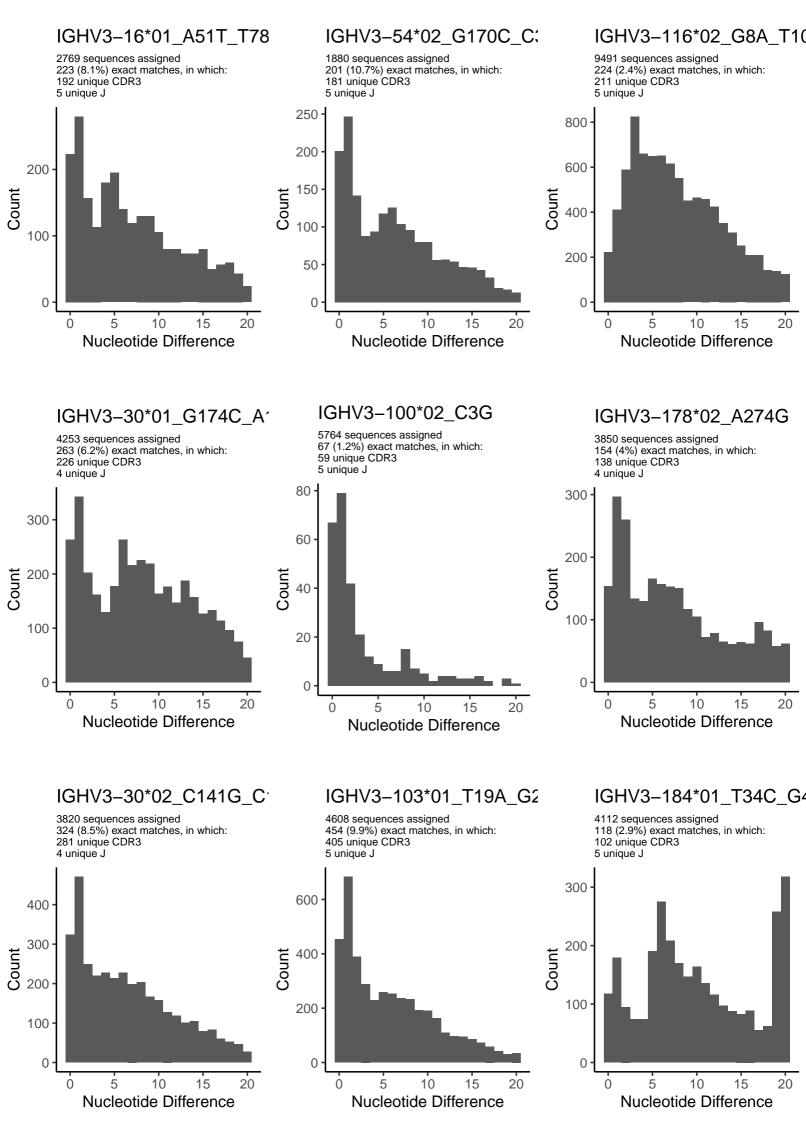
IGHV6-1\*01\_C167T\_G280T- Final 3 nucleotides as a triplet

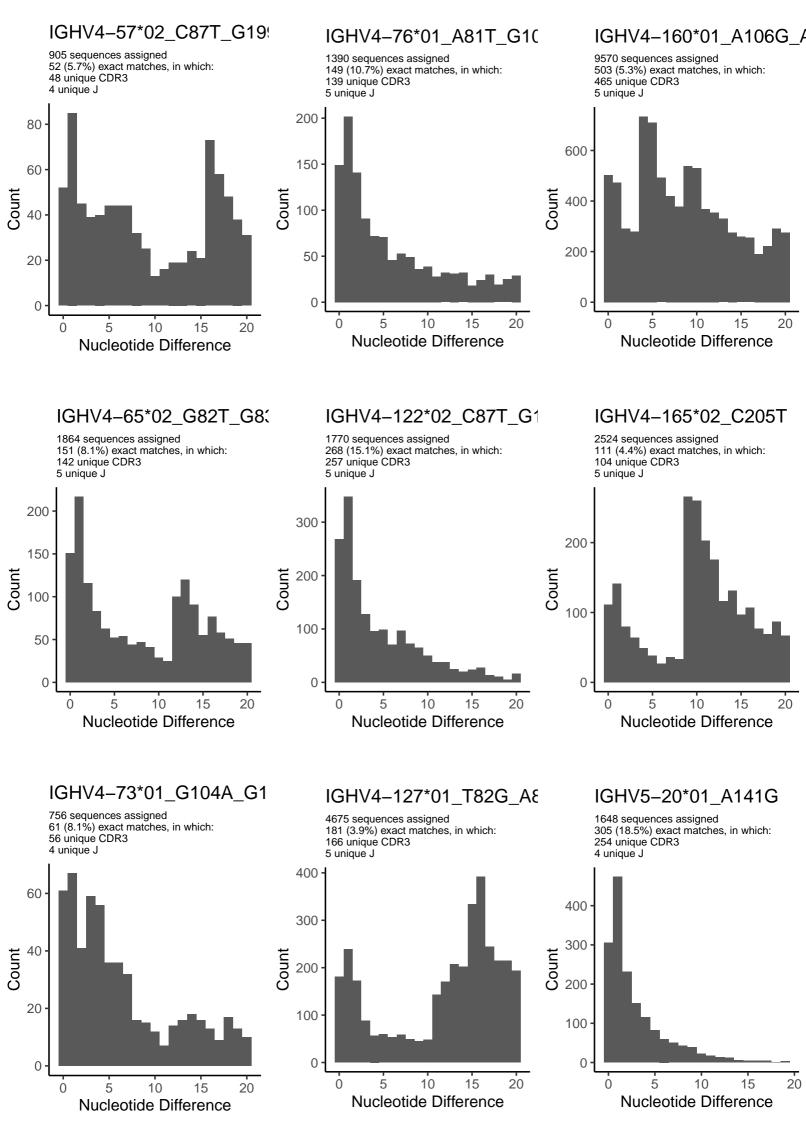


IGHV6-1\*01\_C167T- Final 3 nucleotides as a triplet

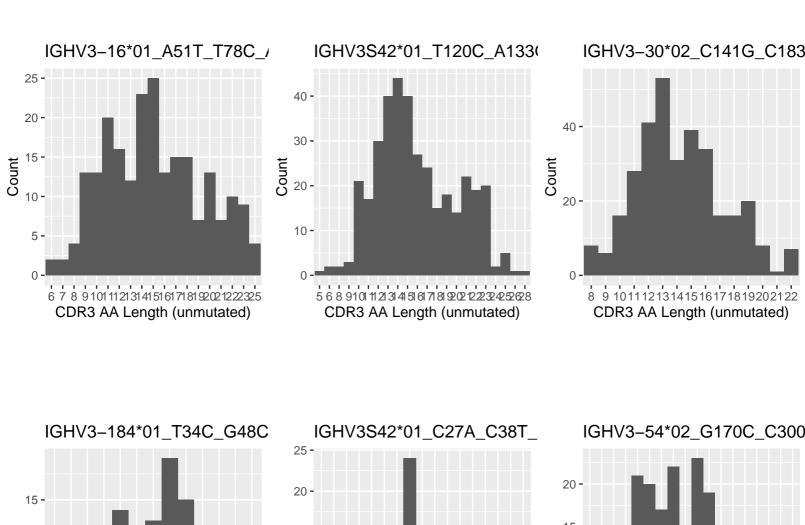


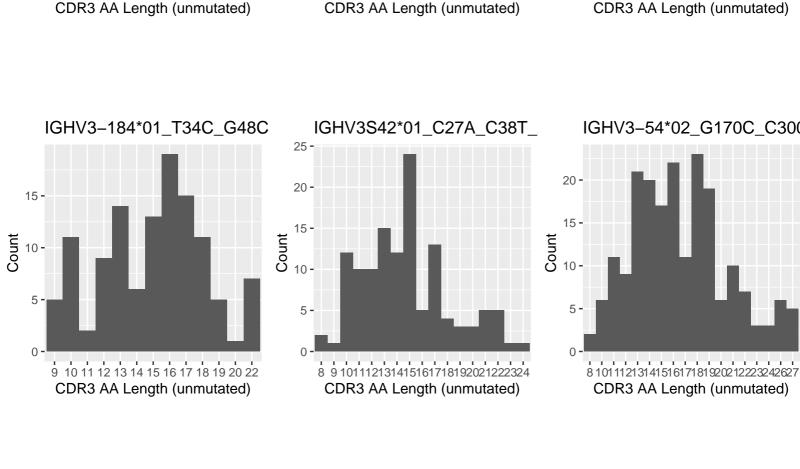


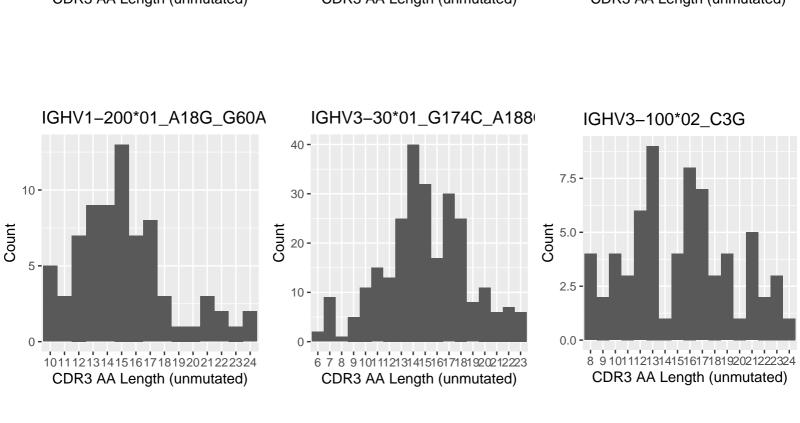


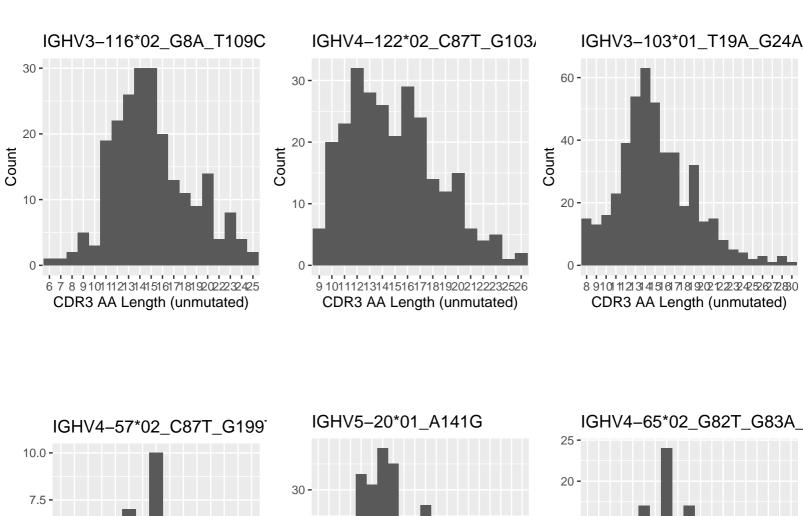


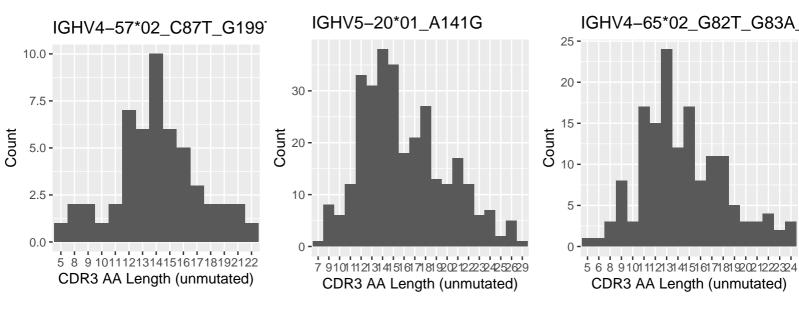
## IGHV5-20\*02\_A141G\_C IGHV6-1\*01\_C167T 2677 sequences assigned 342 (12.8%) exact matches, in which: 1161 sequences assigned 105 (9%) exact matches, in which: 90 unique CDR3 285 unique CDR3 5 unique J 5 unique J Count **Nucleotide Difference Nucleotide Difference** IGHV6-1\*01\_C167T\_G280T IGHV5-43\*01\_A106G 481 sequences assigned 66 (13.7%) exact matches, in which: 1118 sequences assigned 183 (16.4%) exact matches, in which: 61 unique CDR3 153 unique CDR3 5 unique J 5 unique J Count 50 **Nucleotide Difference** Nucleotide Difference IGHV5-43\*01\_A51G IGHV7-94\*01 2509 sequences assigned 129 sequences assigned 365 (14.5%) exact matches, in which: No exact matches. 306 unique CDR3 4 unique J Count Nucleotide Difference **Nucleotide Difference**

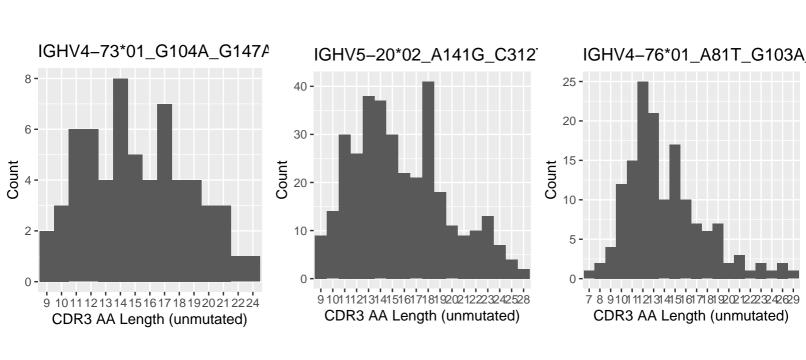


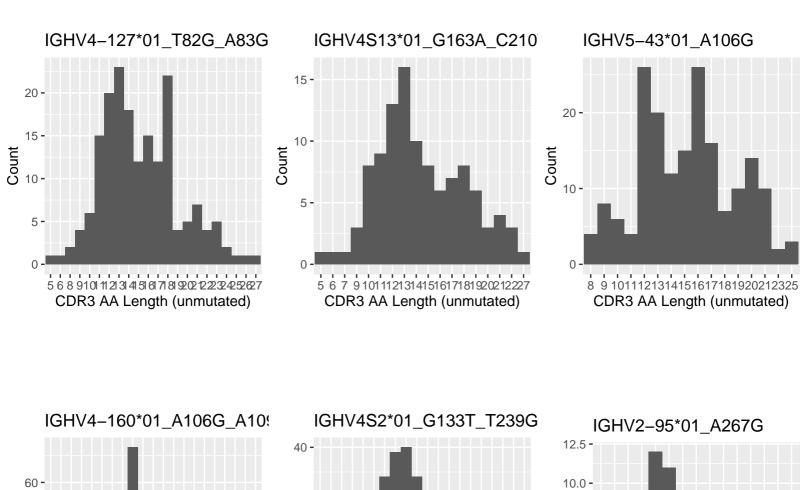


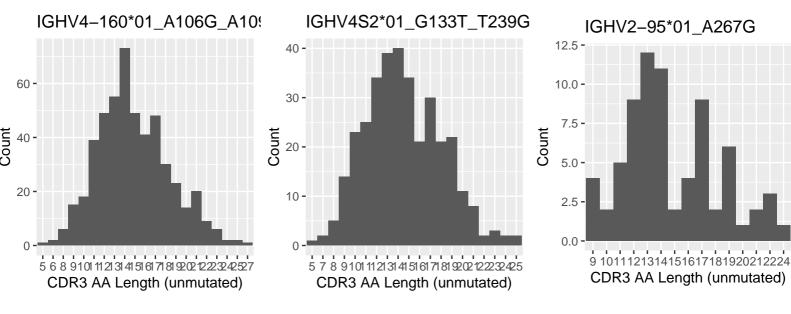


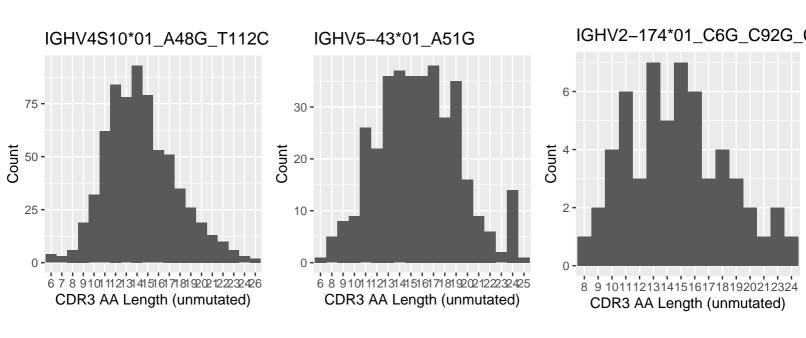


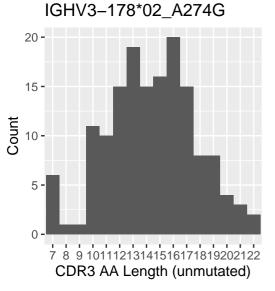


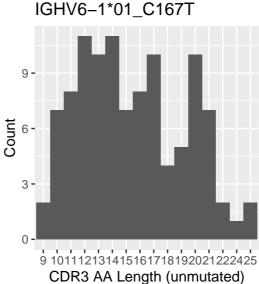


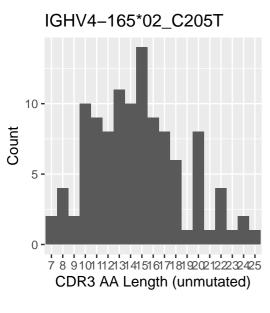


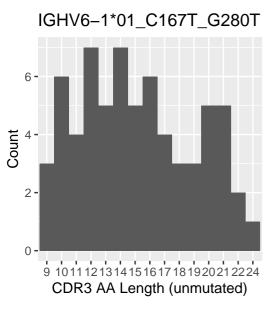














Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.