

315 G

A G Position

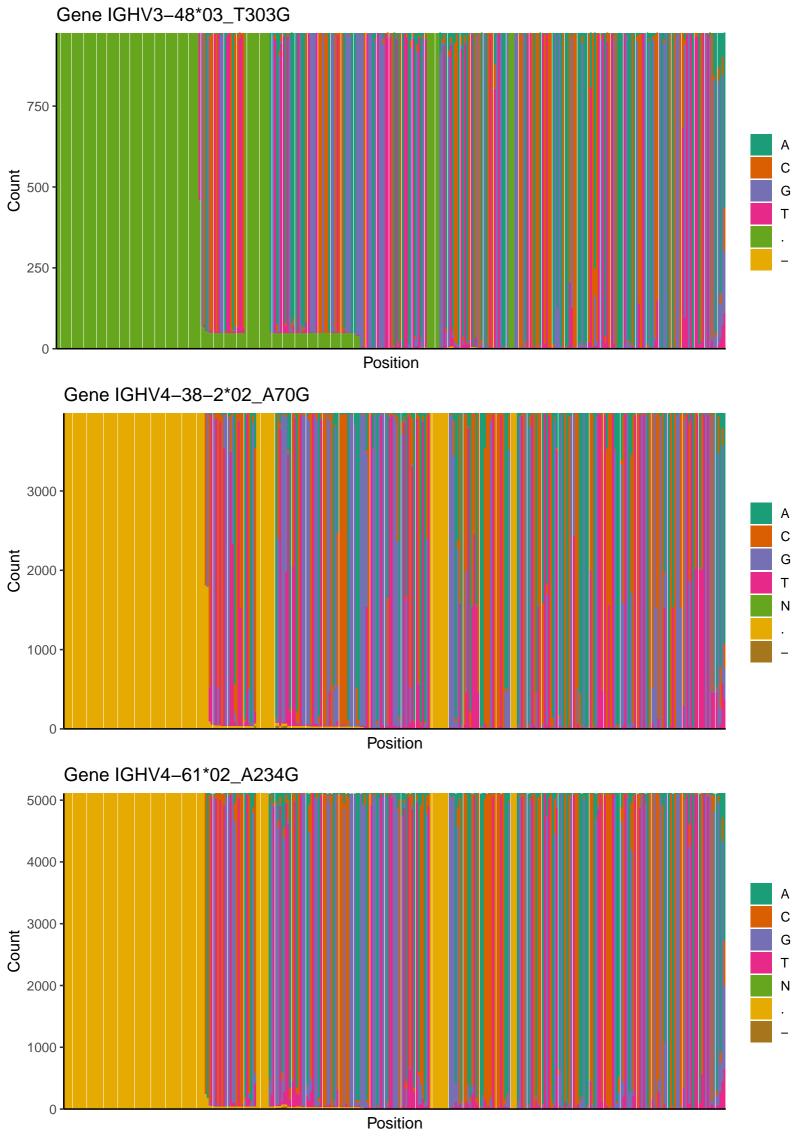
С

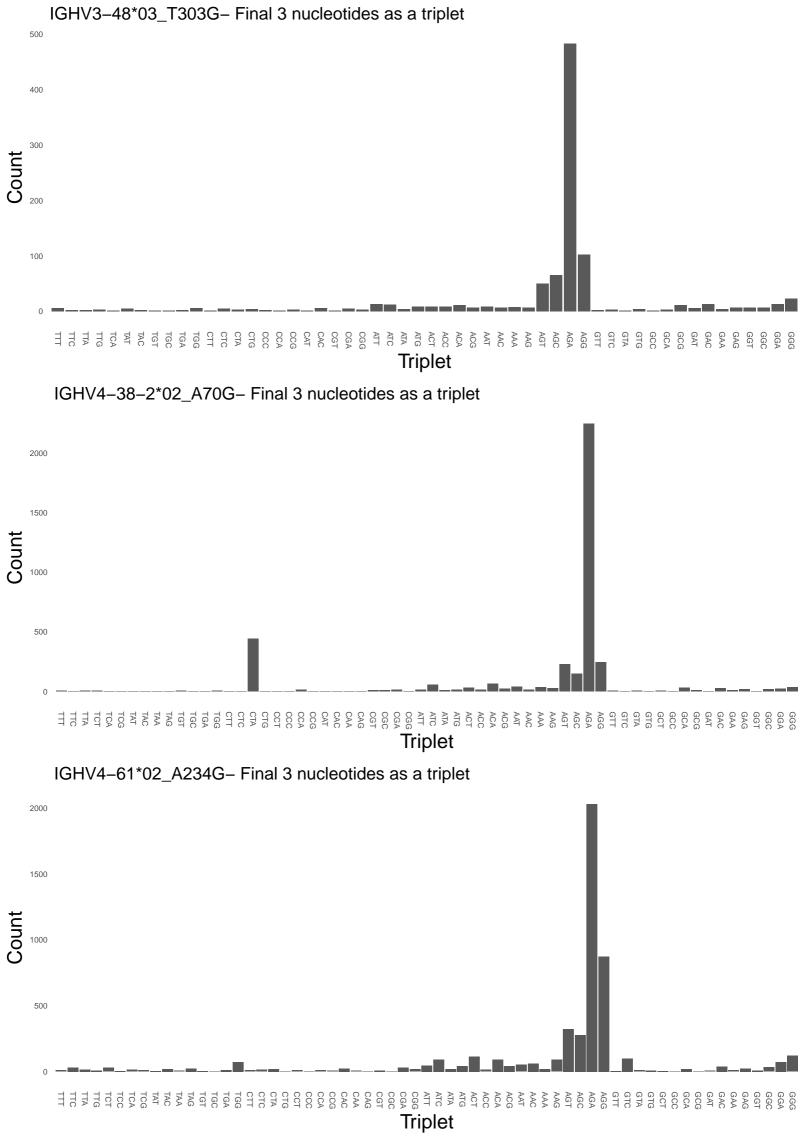
G

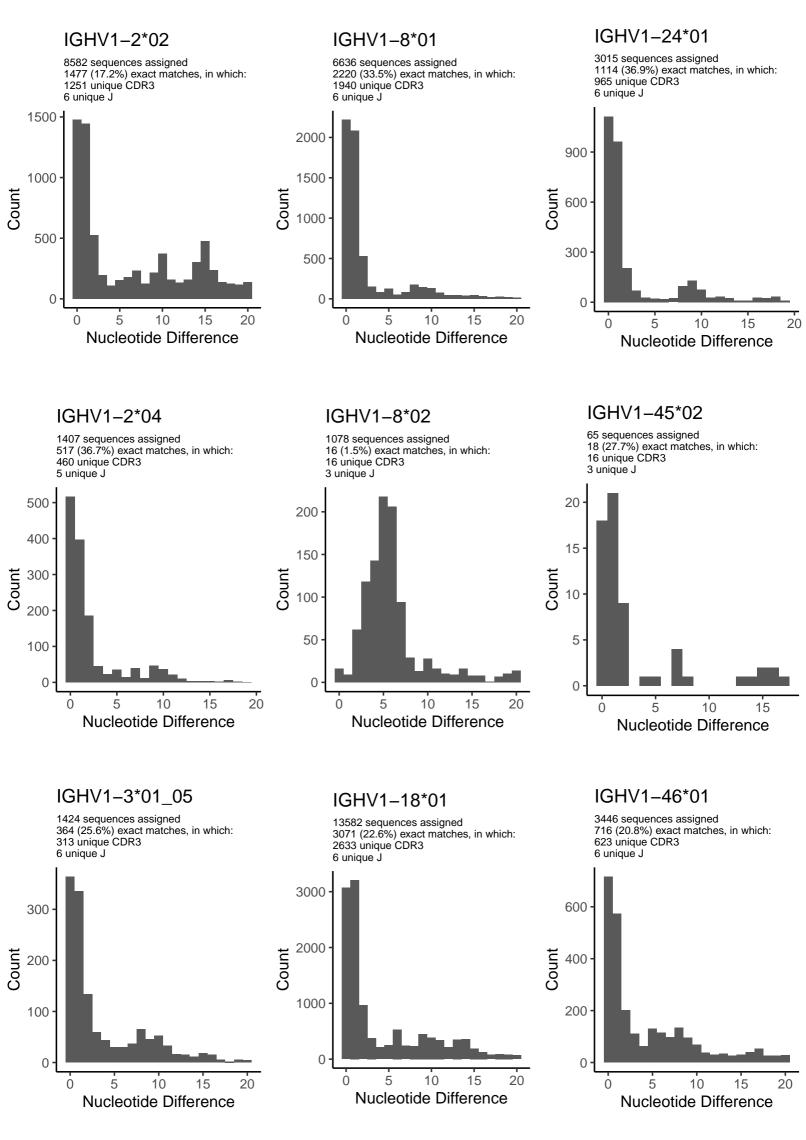
320 A

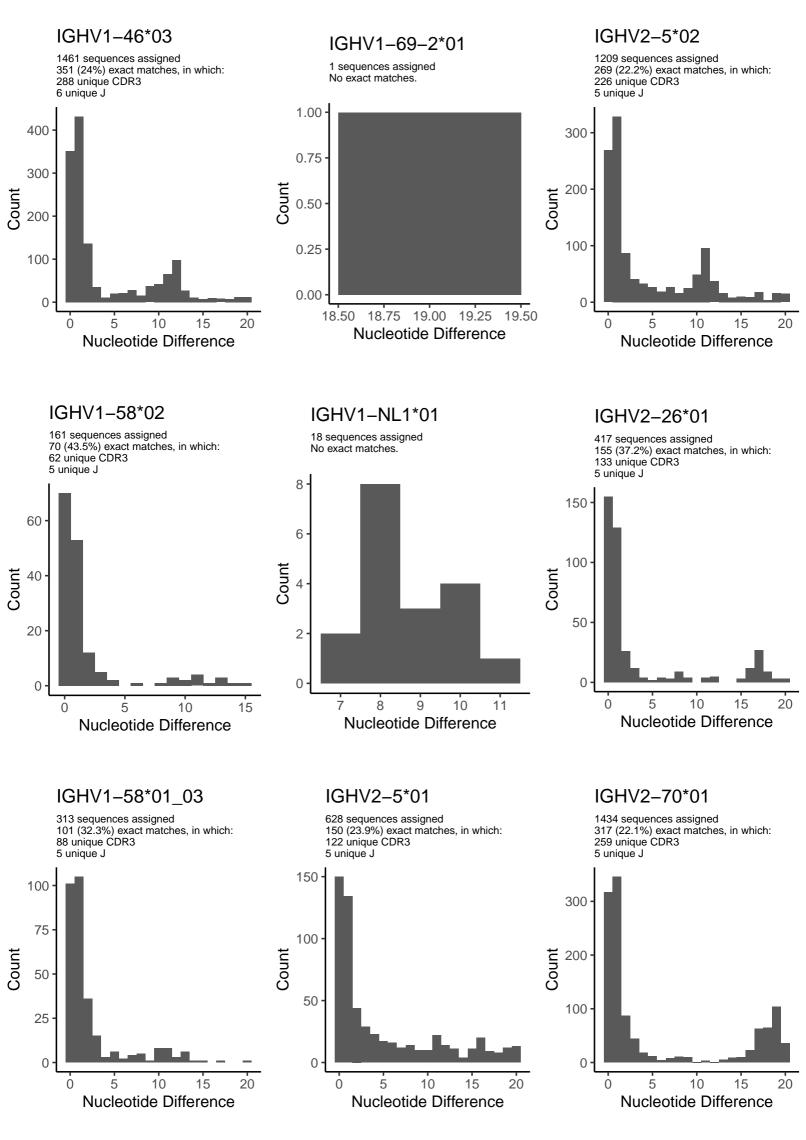
G

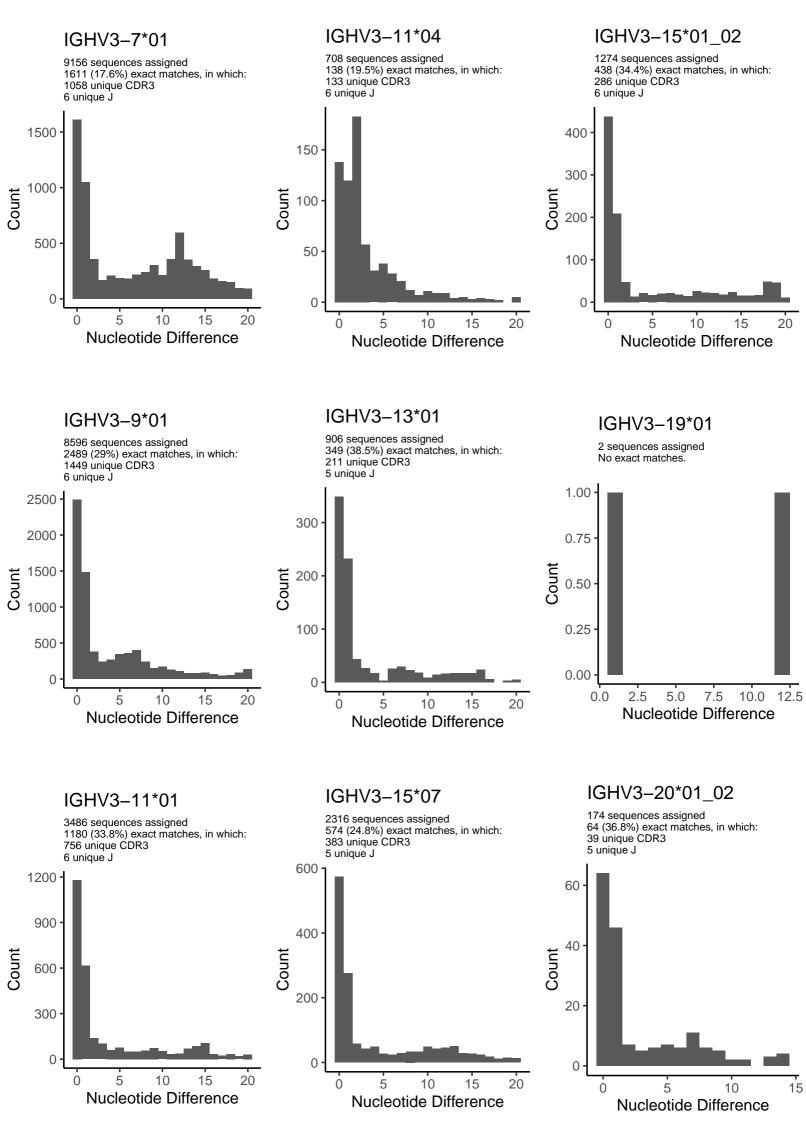
Α

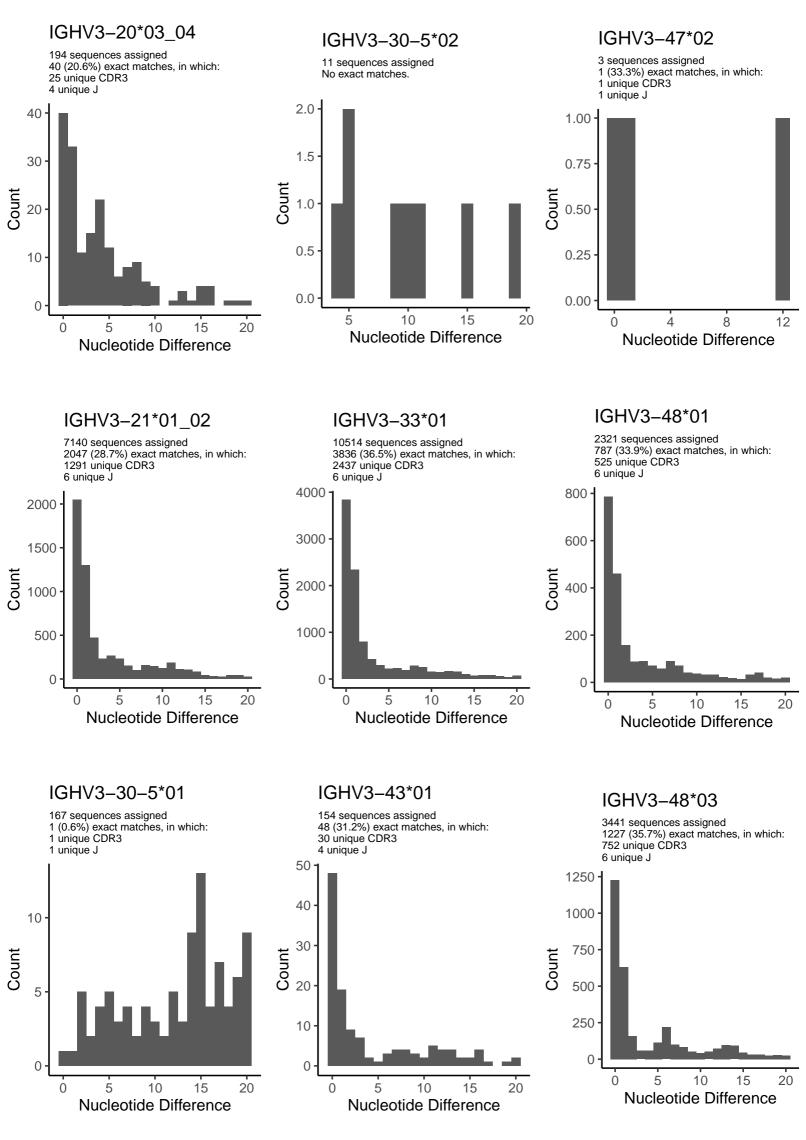


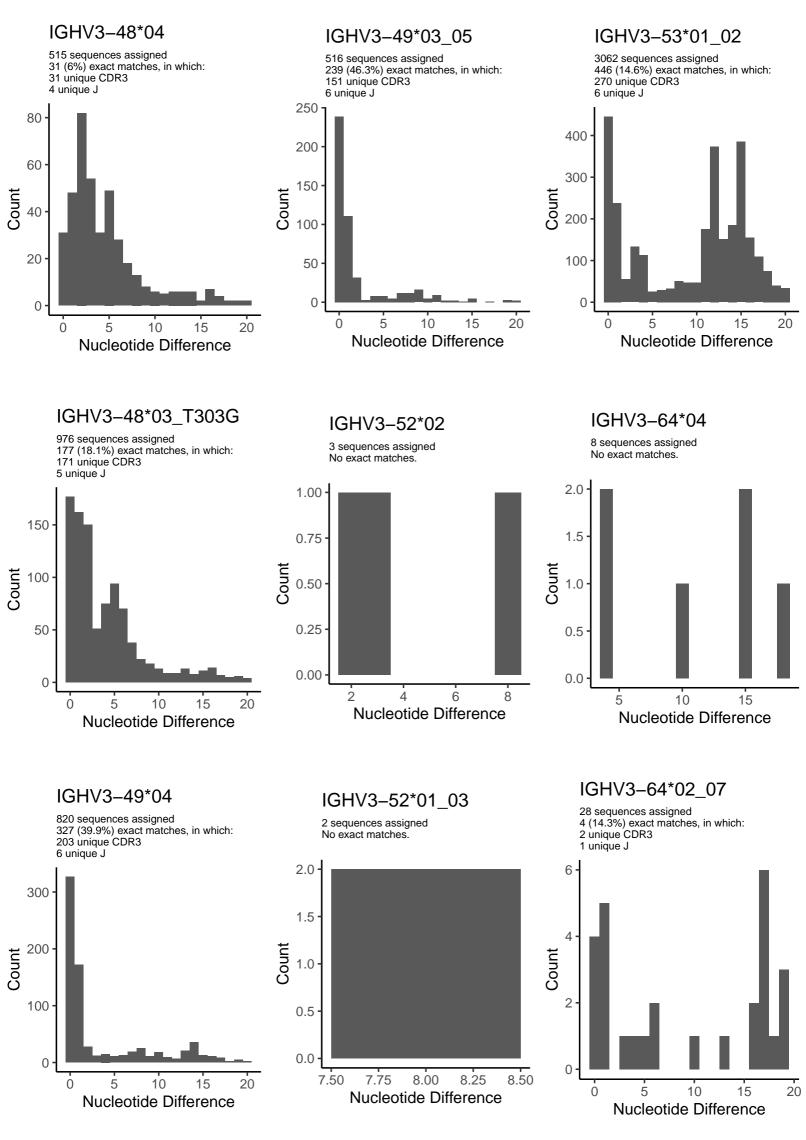


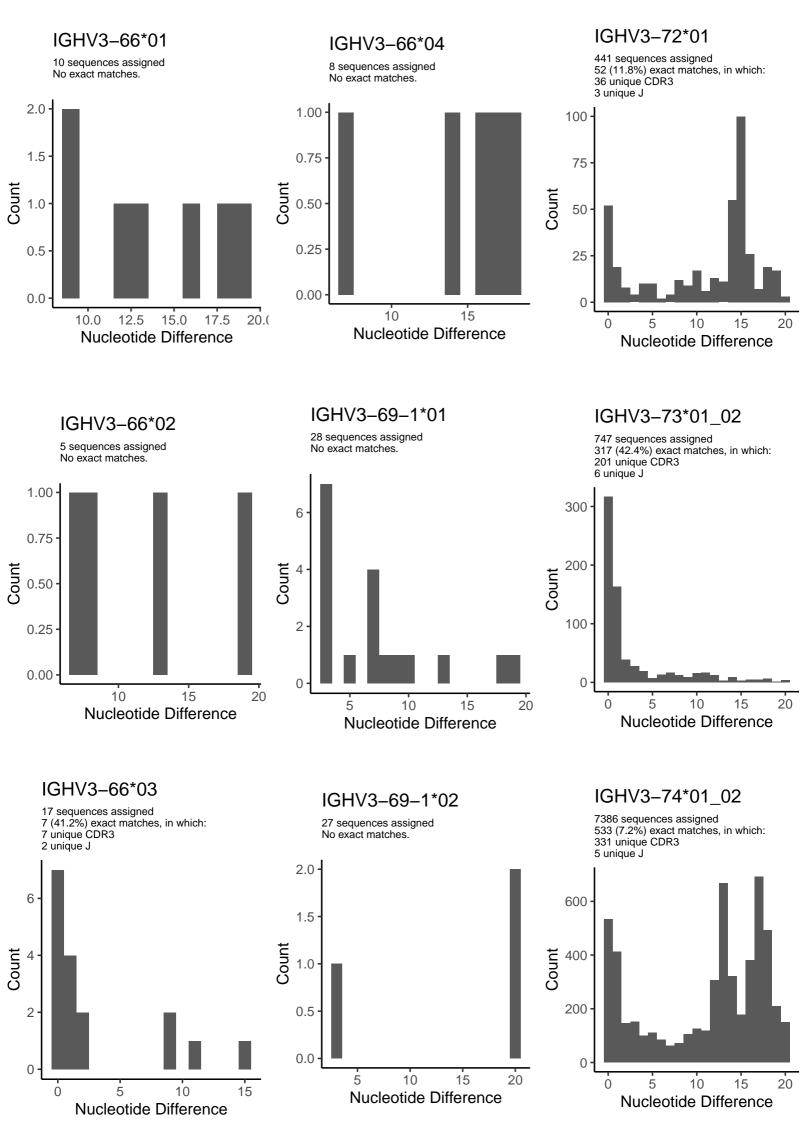


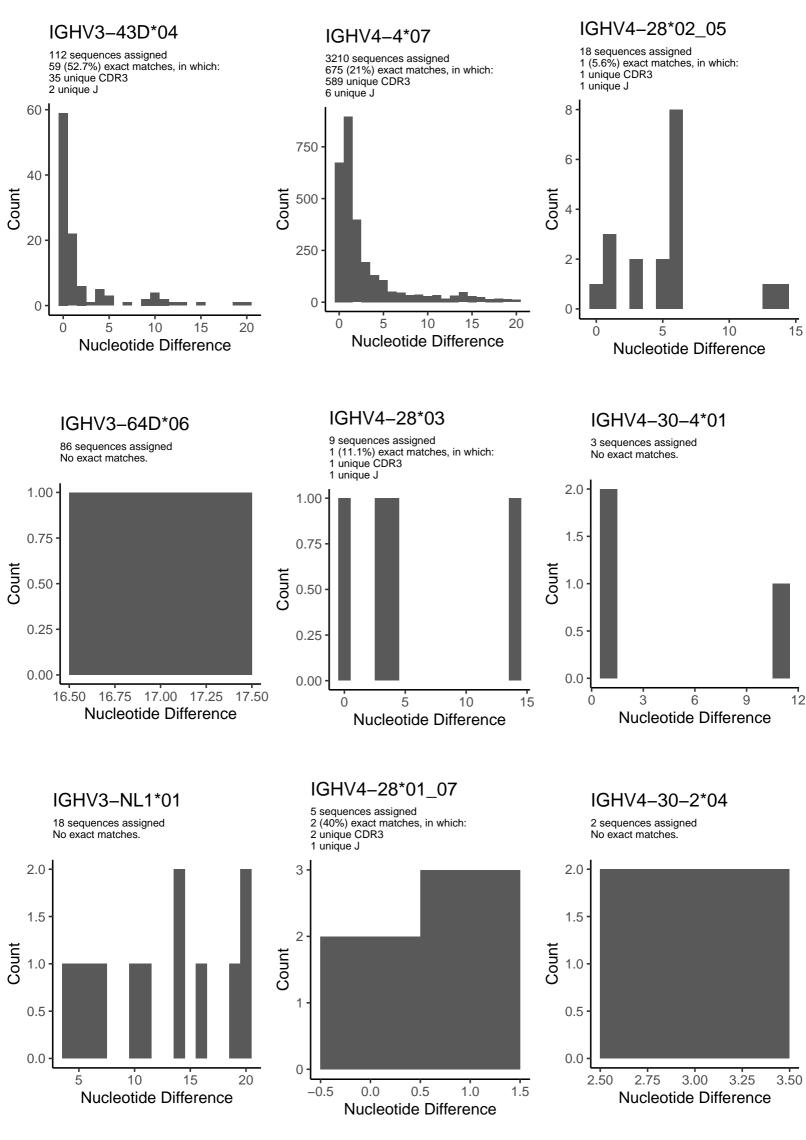


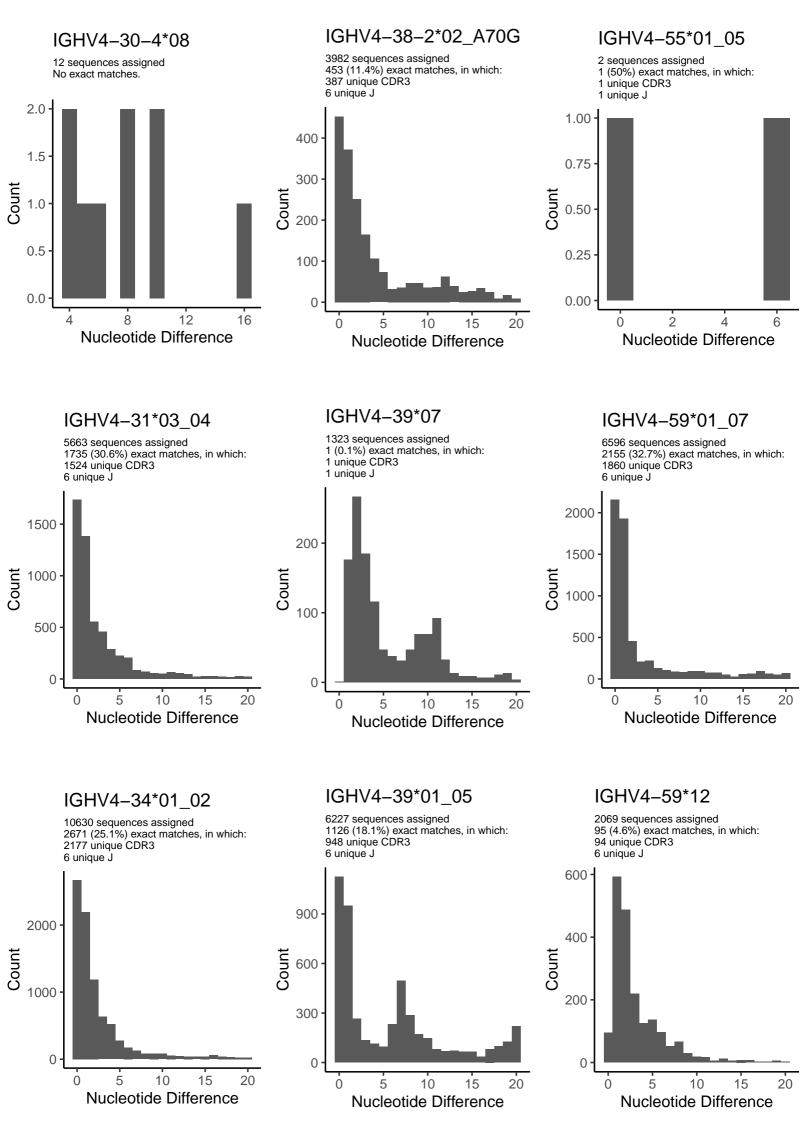












## IGHV4-61\*01 IGHV5-51\*01\_03 2684 sequences assigned 387 (14.4%) exact matches, in which: 8446 sequences assigned 2114 (25%) exact matches, in which: 351 unique CDR3 1276 unique CDR3 6 unique J 6 unique J 400 2000 300 1500 Count 200 1000 100 500 0 0 0 10 15 20 15 5 10 20 0 **Nucleotide Difference Nucleotide Difference** IGHV4-61\*02\_A234G IGHV6-1\*01\_02 1149 sequences assigned 238 (20.7%) exact matches, in which: 5111 sequences assigned 1141 (22.3%) exact matches, in which: 1014 unique CDR3 207 unique CDR3 6 unique J 5 unique J 300 900 Count 600 Count 200 100 300 0 0 5 10 15 20 10 15 0 0 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1\*01\_03 IGHV7-4-1\*01 12 sequences assigned 1 (8.3%) exact matches, in which: 62 sequences assigned 28 (45.2%) exact matches, in which: 1 unique CDR3 24 unique CDR3 1 unique J 3 unique J 3 20 2 Count Count 10 0 0 0 10 5 10 15 20

Nucleotide Difference

Nucleotide Difference



Novel sequence(s) IGHV3-30-3\*01\_T288C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30\*03\_T288C are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV3-33\*01\_G75C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-33\*01\_G75C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30\*03\_T288C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning - no inferred sequences found.

Novel sequence(s) IGHV1-69\*04\_09\_G112A IGHV4-59\*02\_G88A IGHV5-10-1\*01\_03\_T258C IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1-69\*08\_C191T IGHV3-48\*03\_T303G IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.