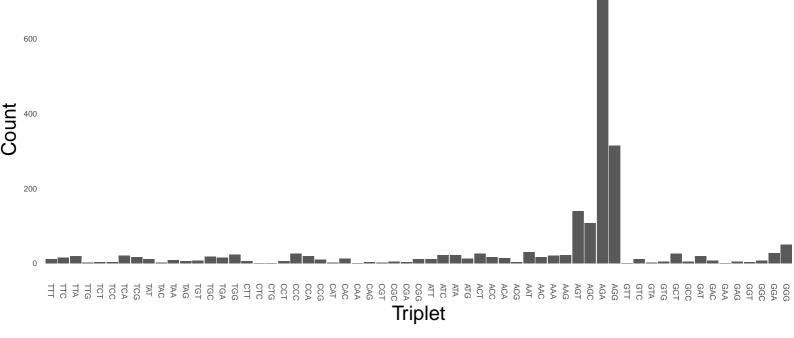
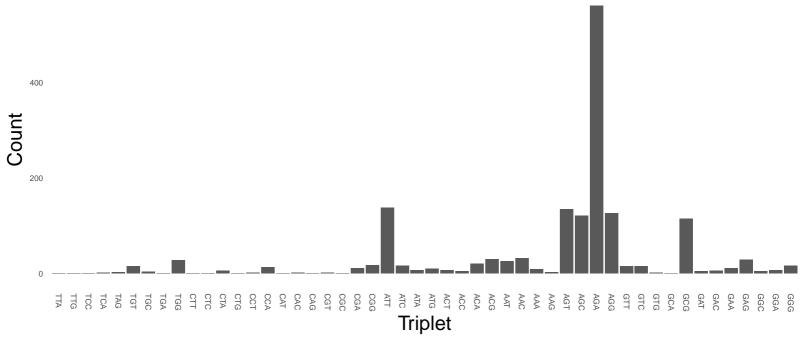
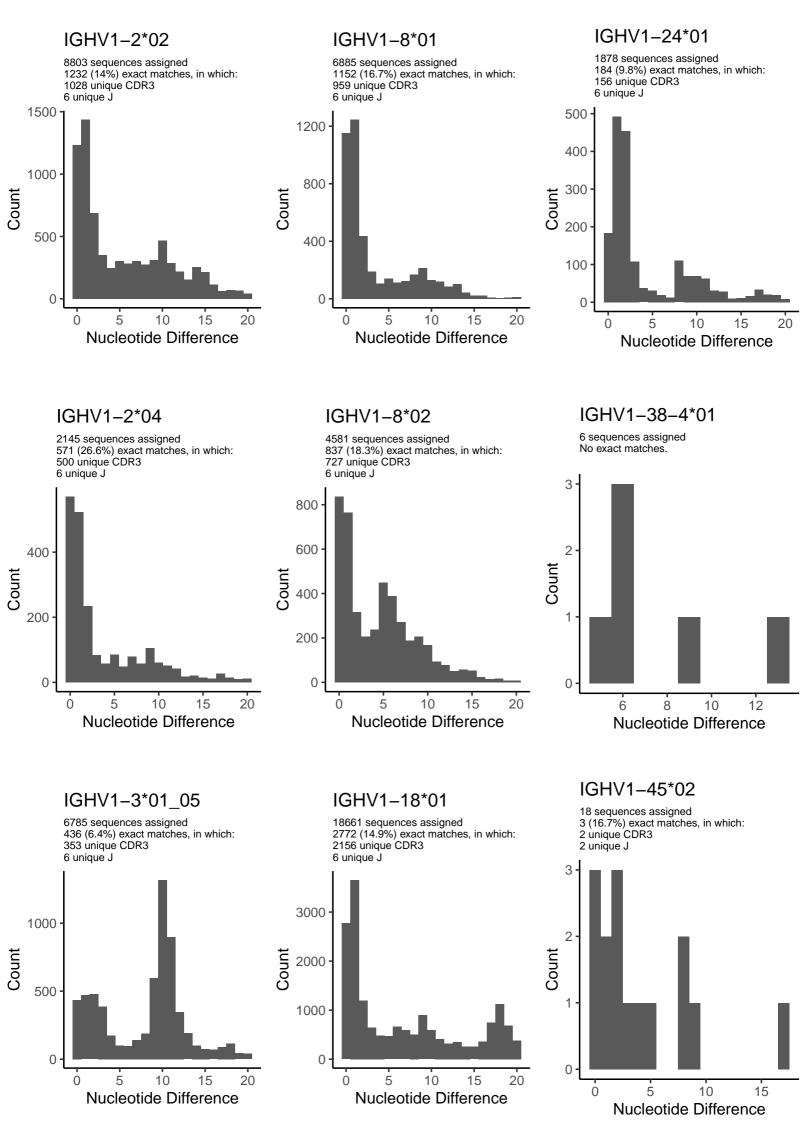


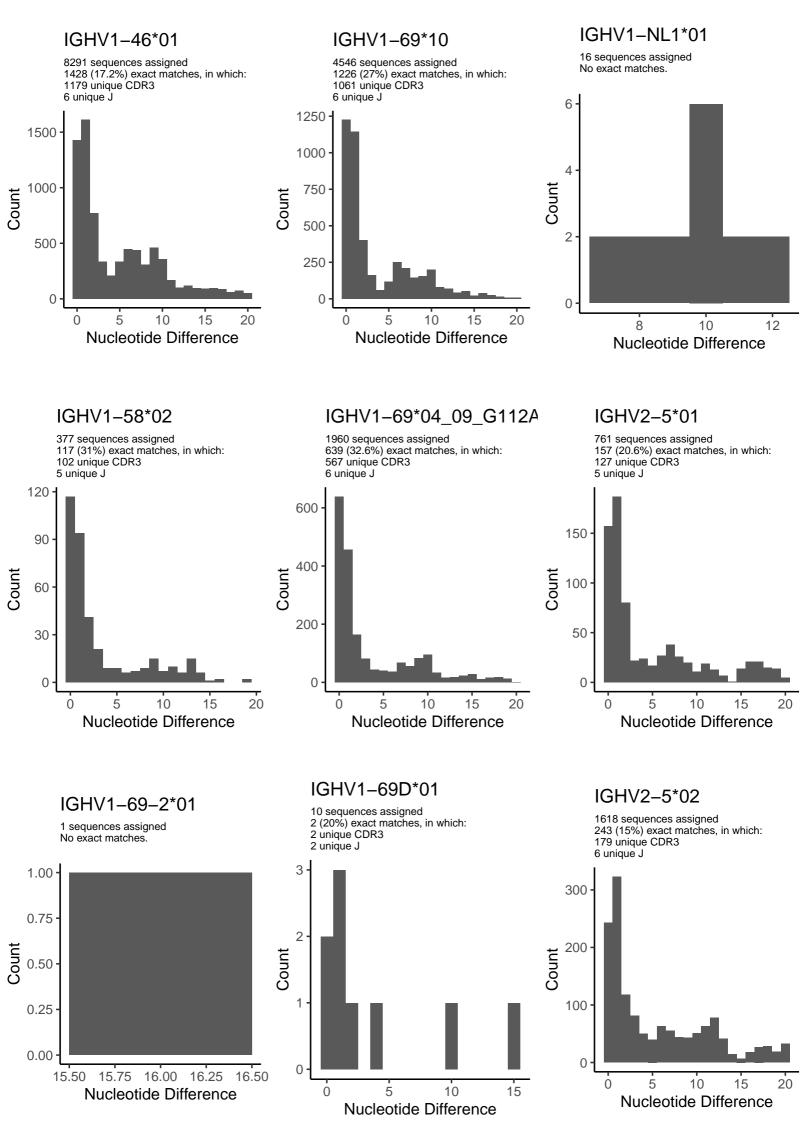
IGHV1-69\*04\_09\_G112A- Final 3 nucleotides as a triplet

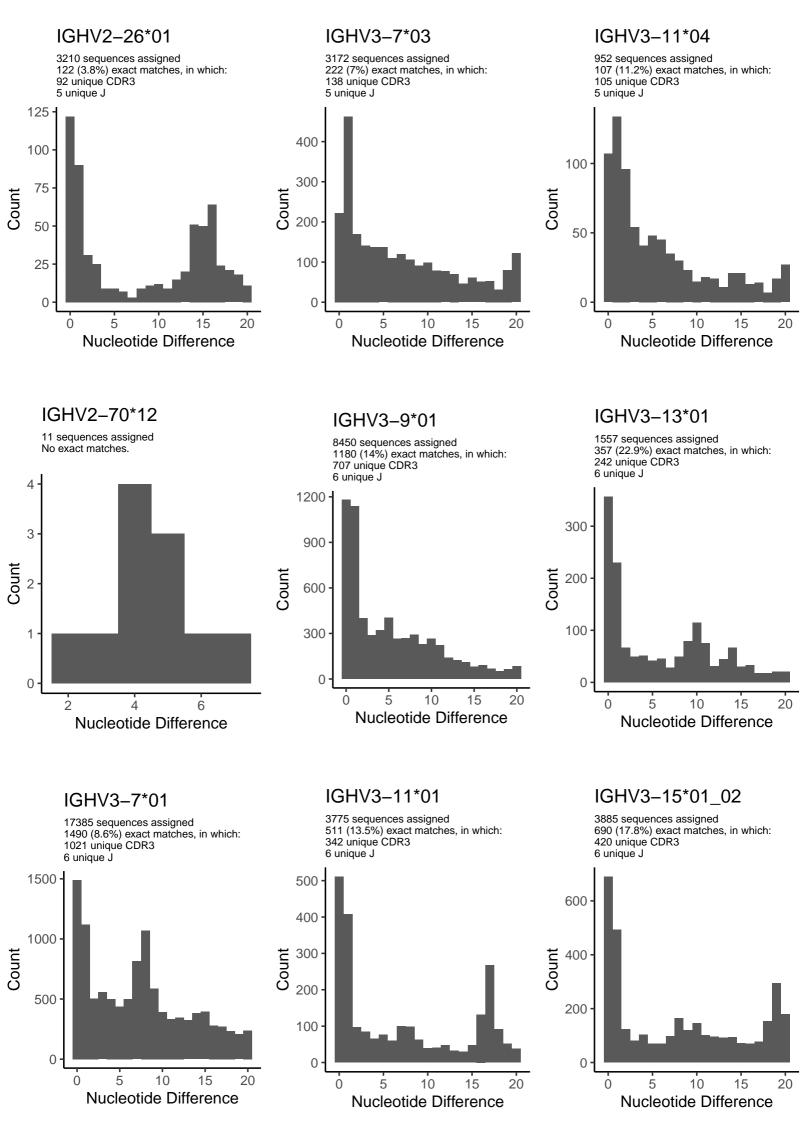


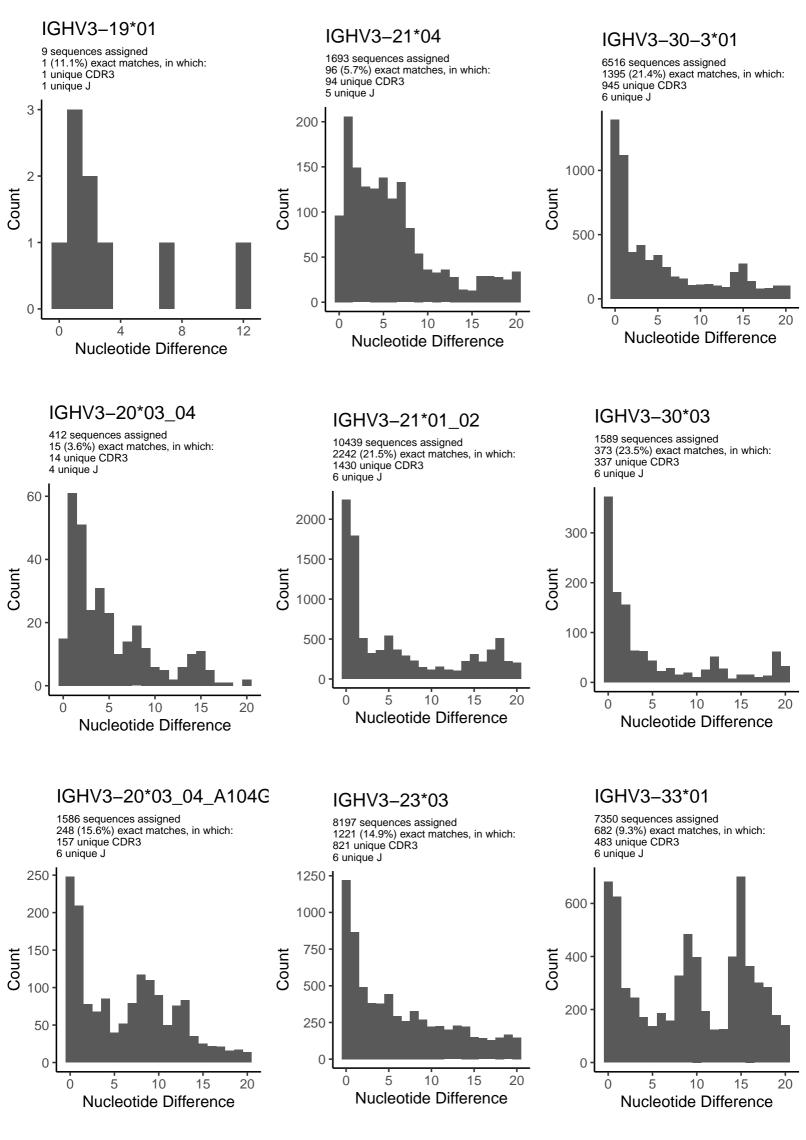
IGHV3-20\*03\_04\_A104G- Final 3 nucleotides as a triplet

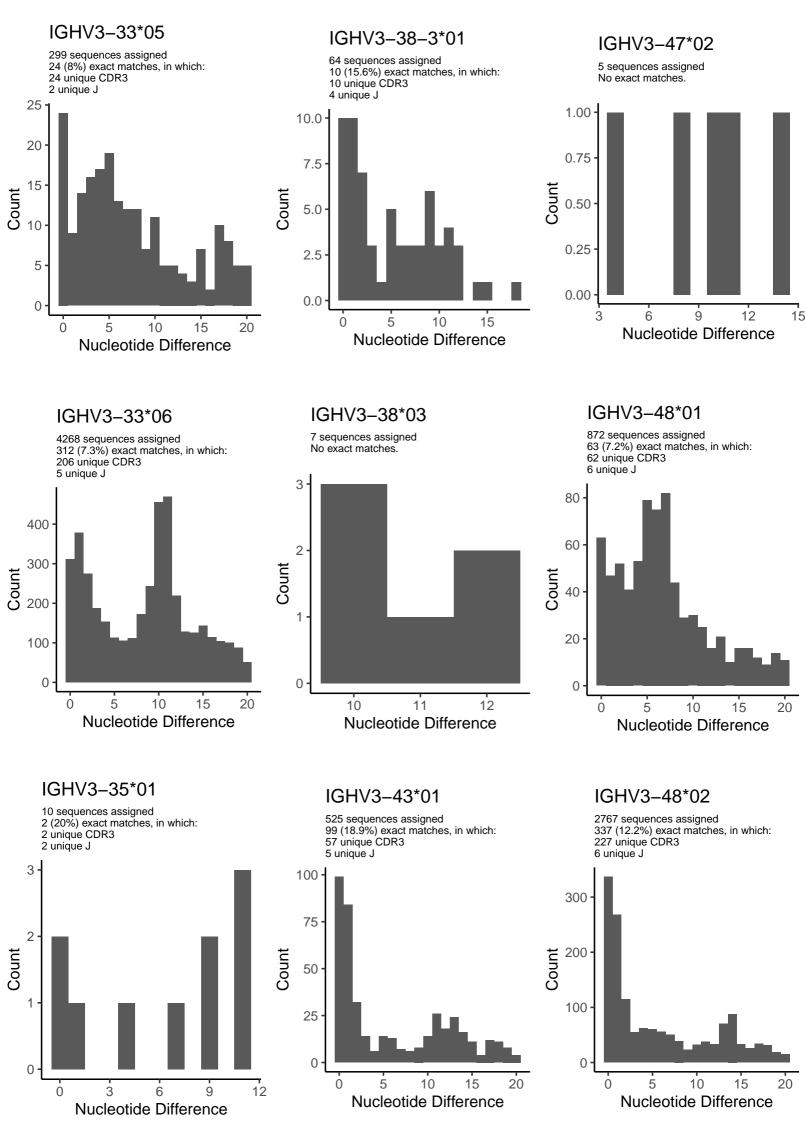


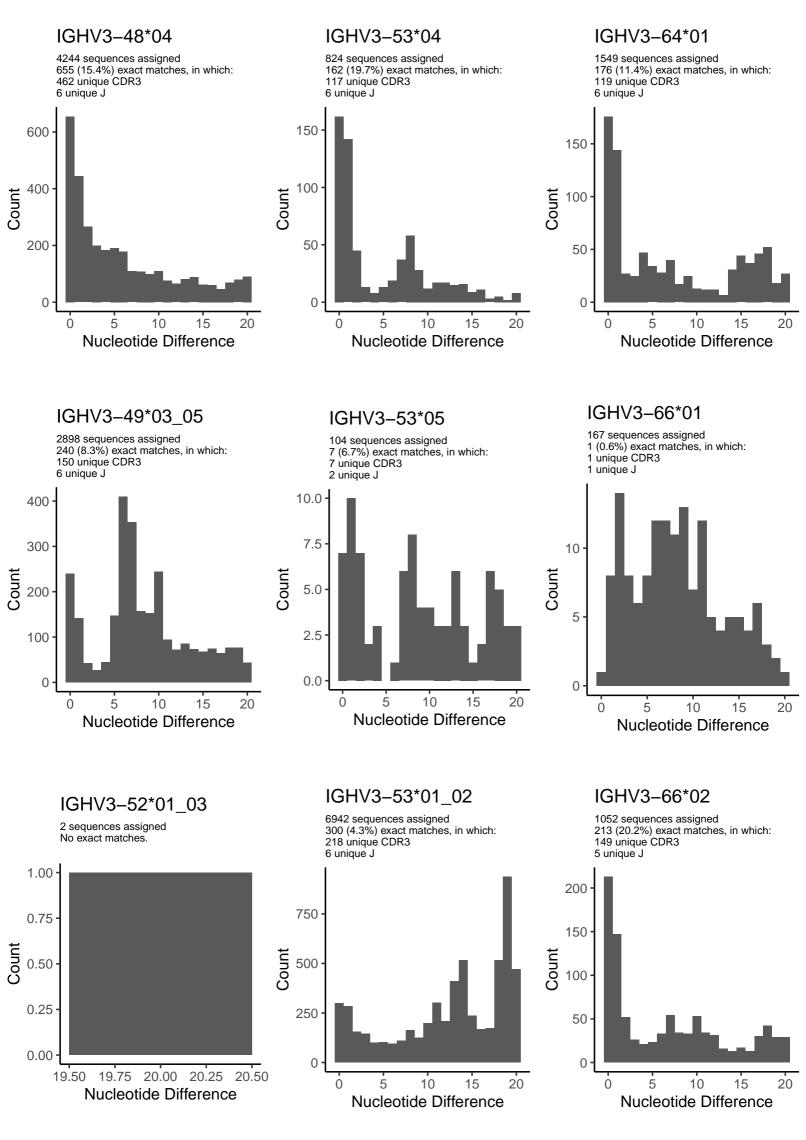


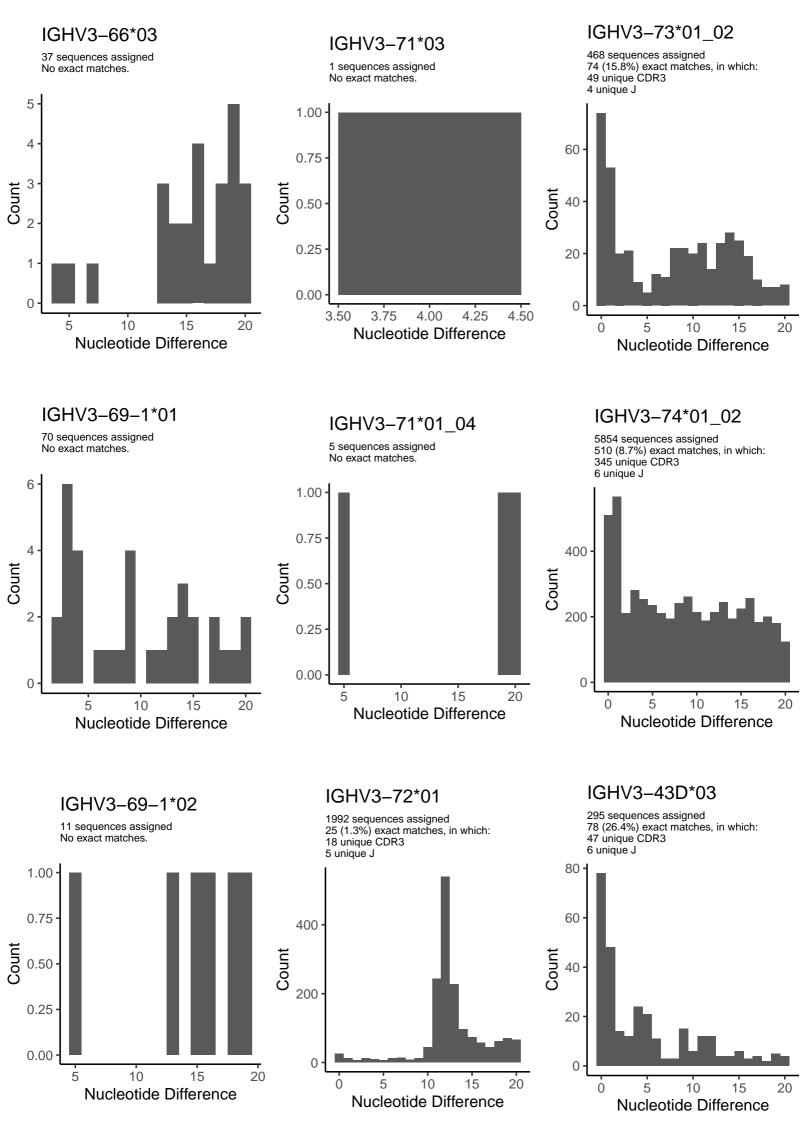


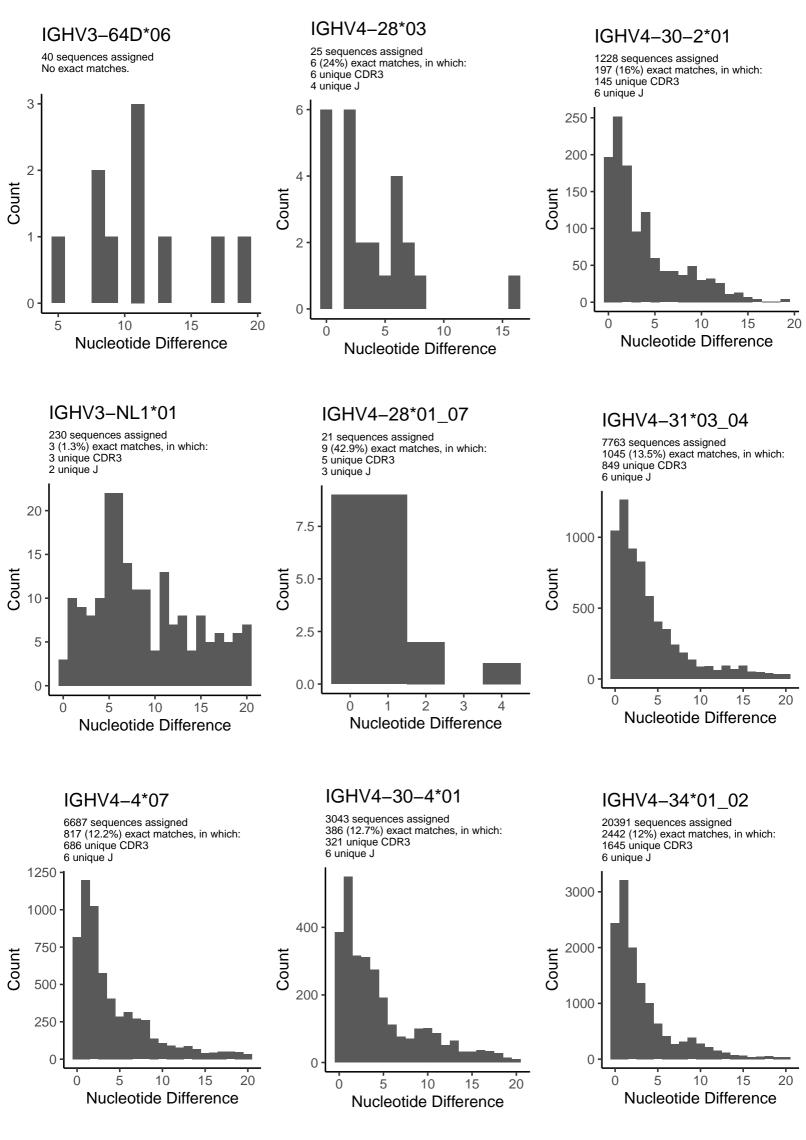


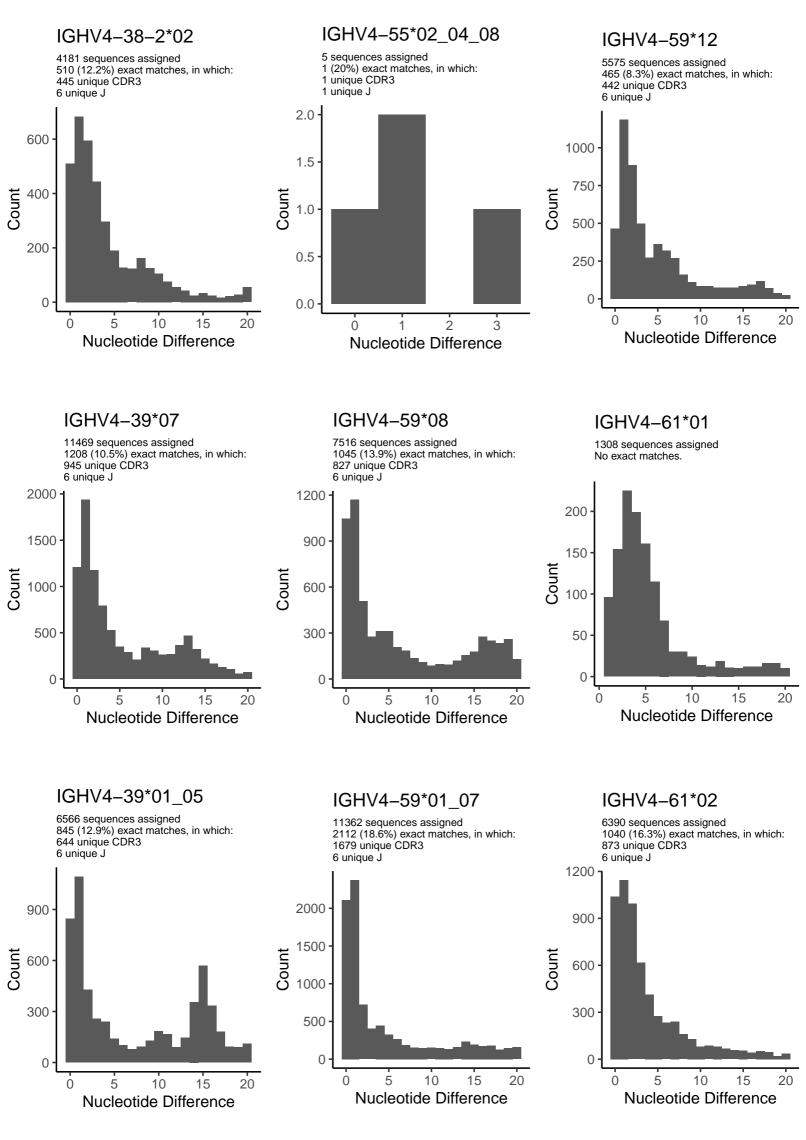












## IGHV6-1\*01\_02 IGHV4-61\*08 925 sequences assigned 2 (0.2%) exact matches, in which: 2 unique CDR3 3469 sequences assigned 189 (5.4%) exact matches, in which: 153 unique CDR3 1 unique J 6 unique J 150 600 100 400 Count Count 50 200 0 0 10 15 0 5 10 15 20 0 5 20 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1\*02 IGHV5-10-1\*01\_03 sequences assigned 3 sequences assigned 1 (100%) exact matches, in which: No exact matches. 1 unique CDR3 1 unique J 1.00 -1.00 0.75 0.75 Count Count Count 0.25 0.25 0.00 0.00 12 14 16 18 -0.50-0.250.00 0.25 0.50 **Nucleotide Difference Nucleotide Difference** IGHV5-51\*01\_03 IGHV7-40\*03 5625 sequences assigned 959 (17%) exact matches, in which: 2 sequences assigned No exact matches. 510 unique CDR3 6 unique J 1.00 0.75 1000 Count Count Count 500 0.25 0.00 0 5.5 6.0 6.5 7.0 7.5 0 10 20 **Nucleotide Difference Nucleotide Difference**



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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.

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

Warning: IGHV4-31\*02, IGHV4-31\*03\_04 have identical germline sequences.

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

Novel sequence(s) IGHV1-69\*04\_09\_G112A 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.