

IGHV1-69*08_C191T- Final 3 nucleotides as a triplet 600 200 **Triplet** IGHV3-53*05_C300T- Final 3 nucleotides as a triplet 750 250 **Triplet** IGHV5-10-1*01_03_T258C- Final 3 nucleotides as a triplet 200

CGA

TAC

TCG

TCT

ATC

AAA

AGT

Triplet

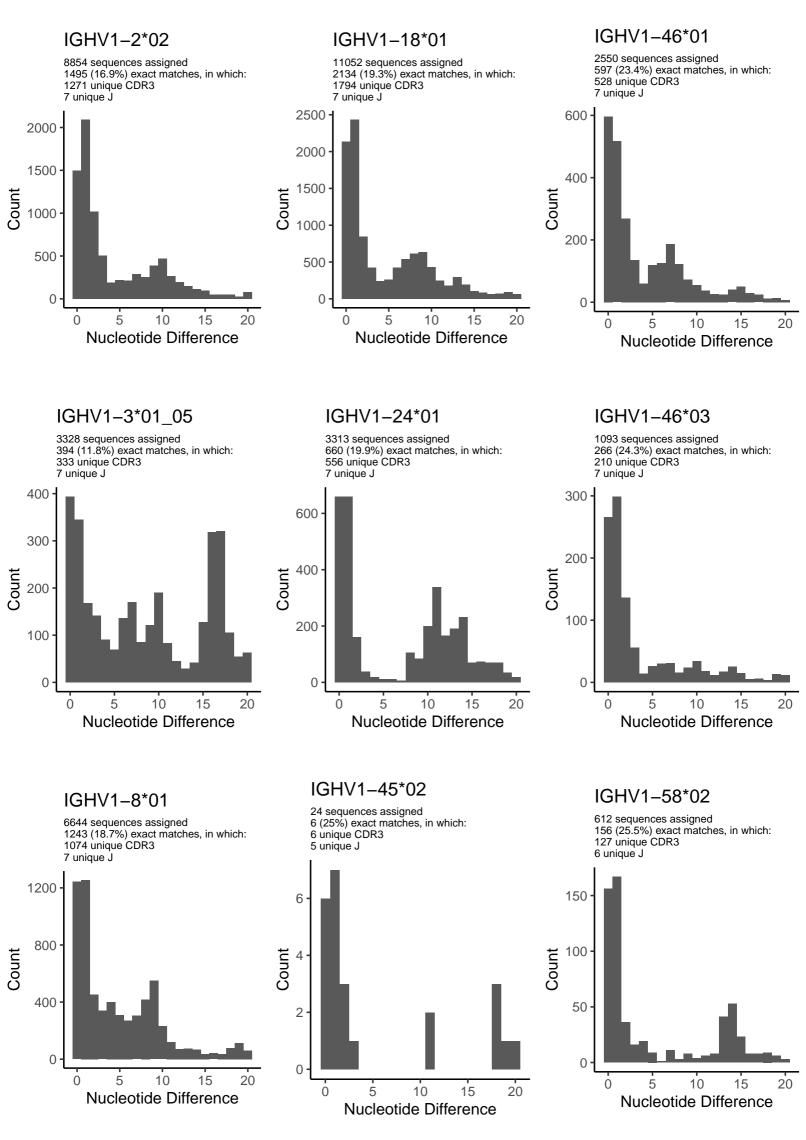
AGC

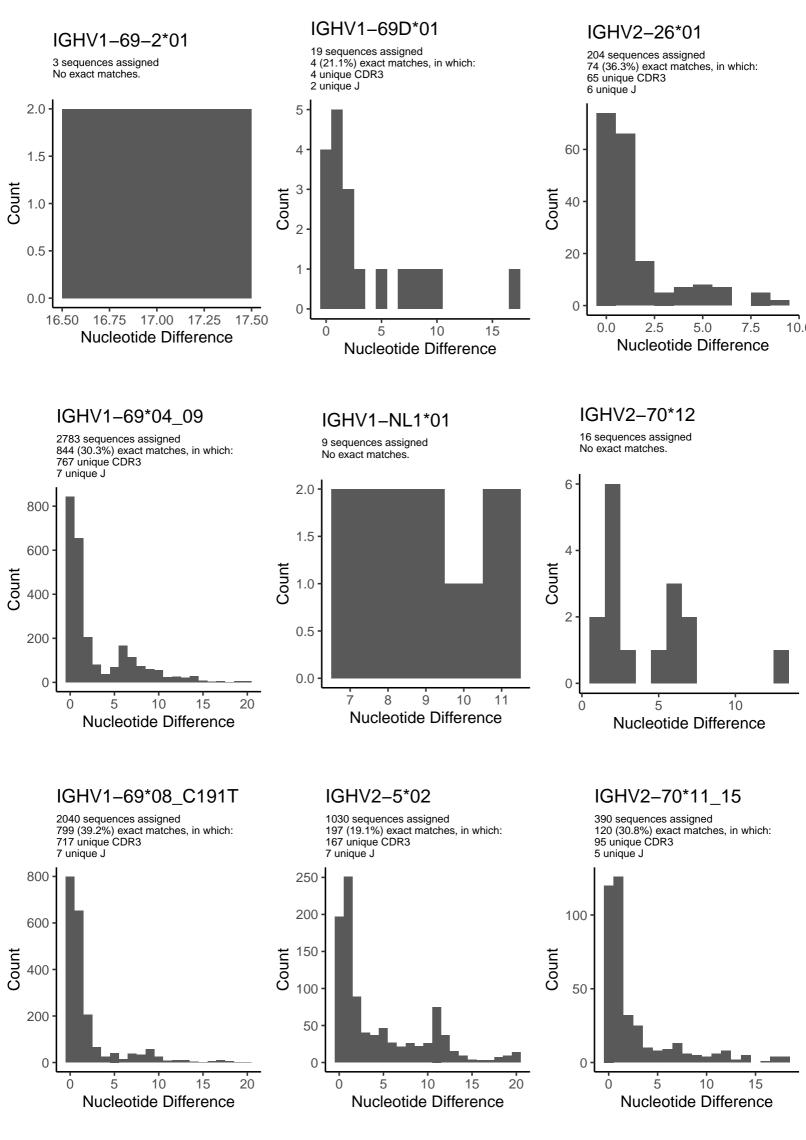
AGA

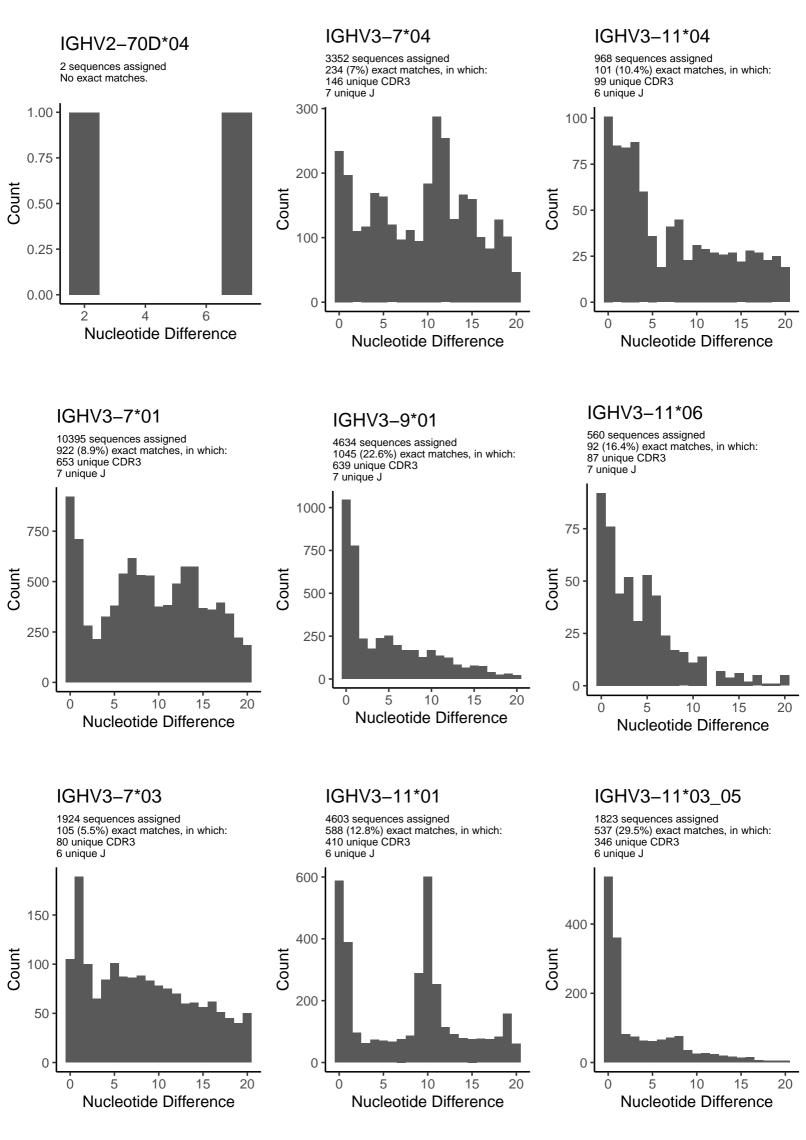
GTA

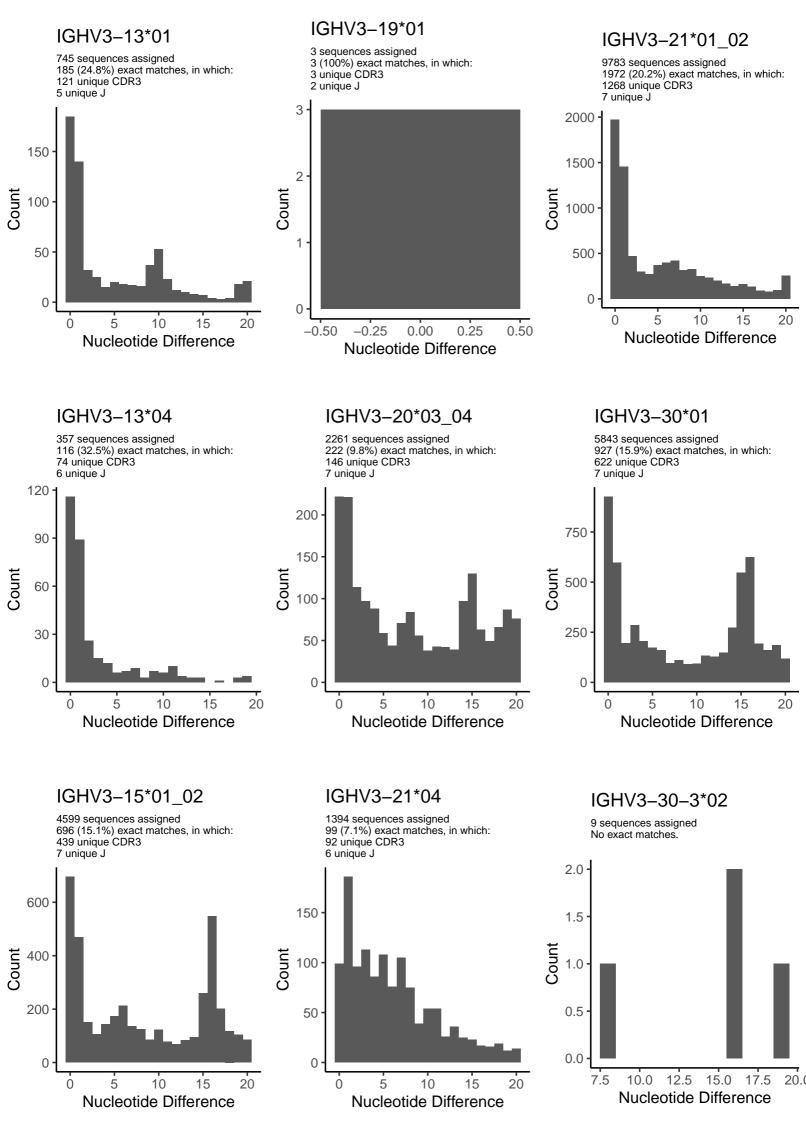
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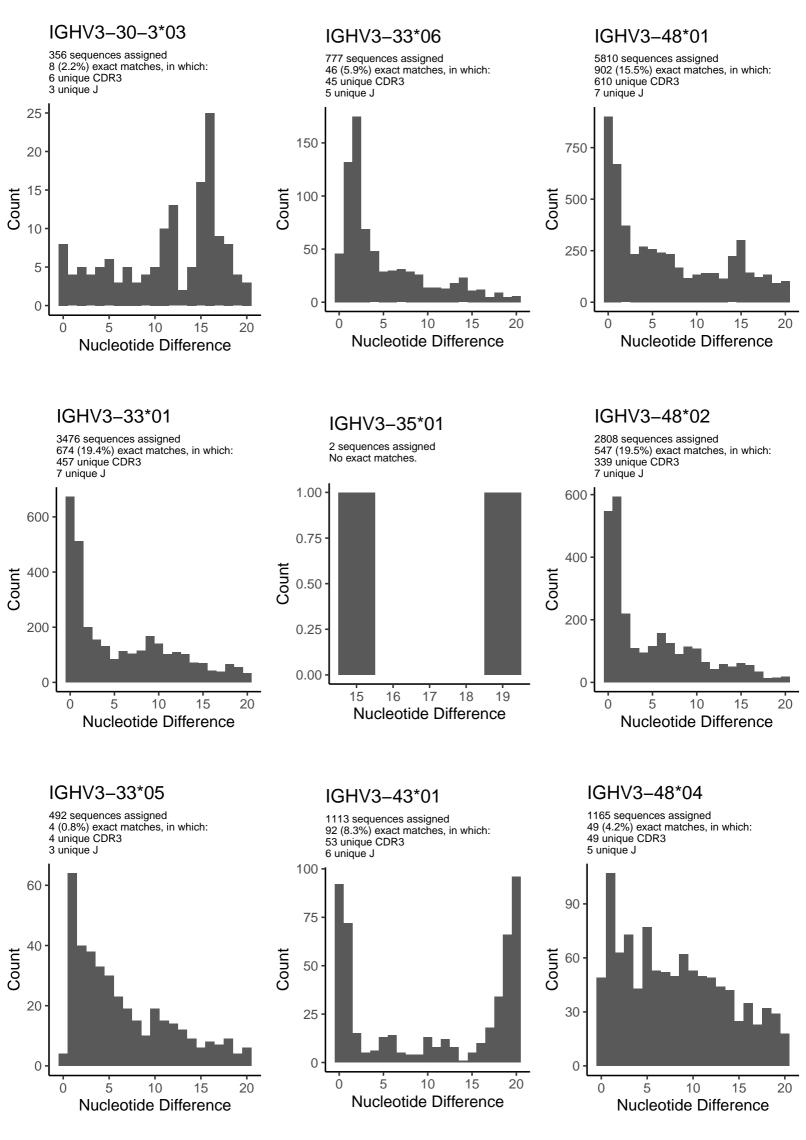
GCG

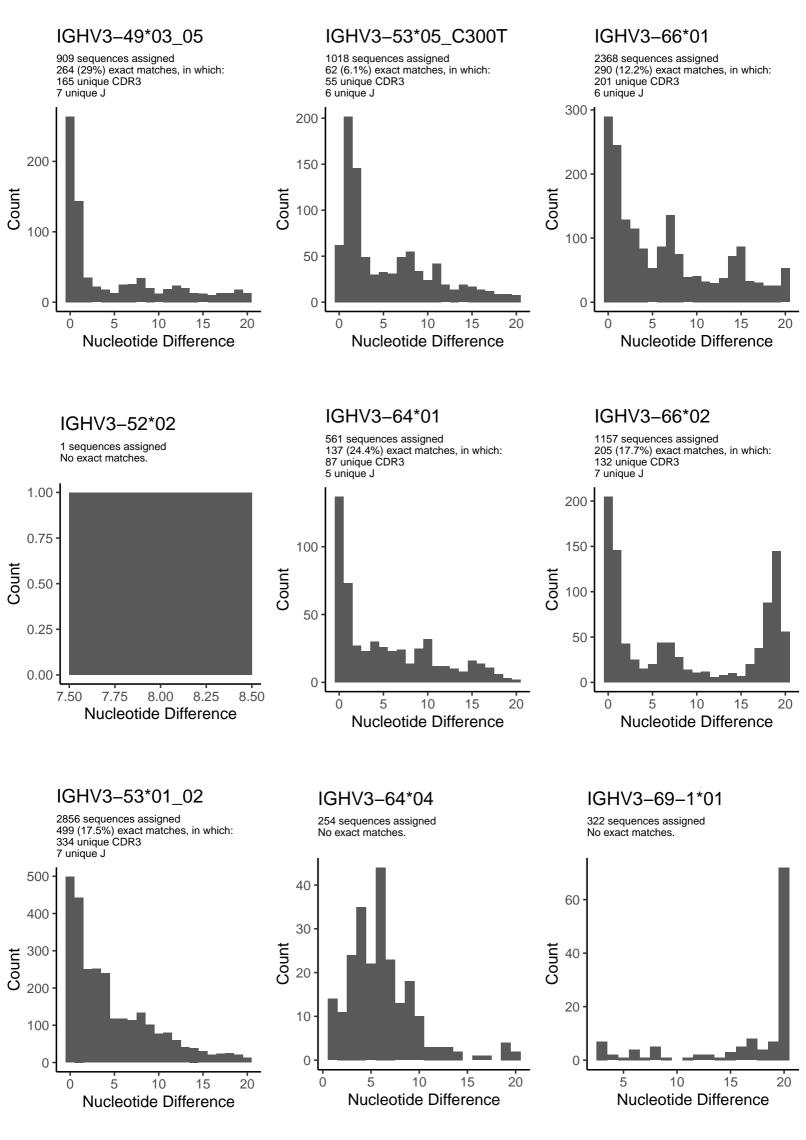


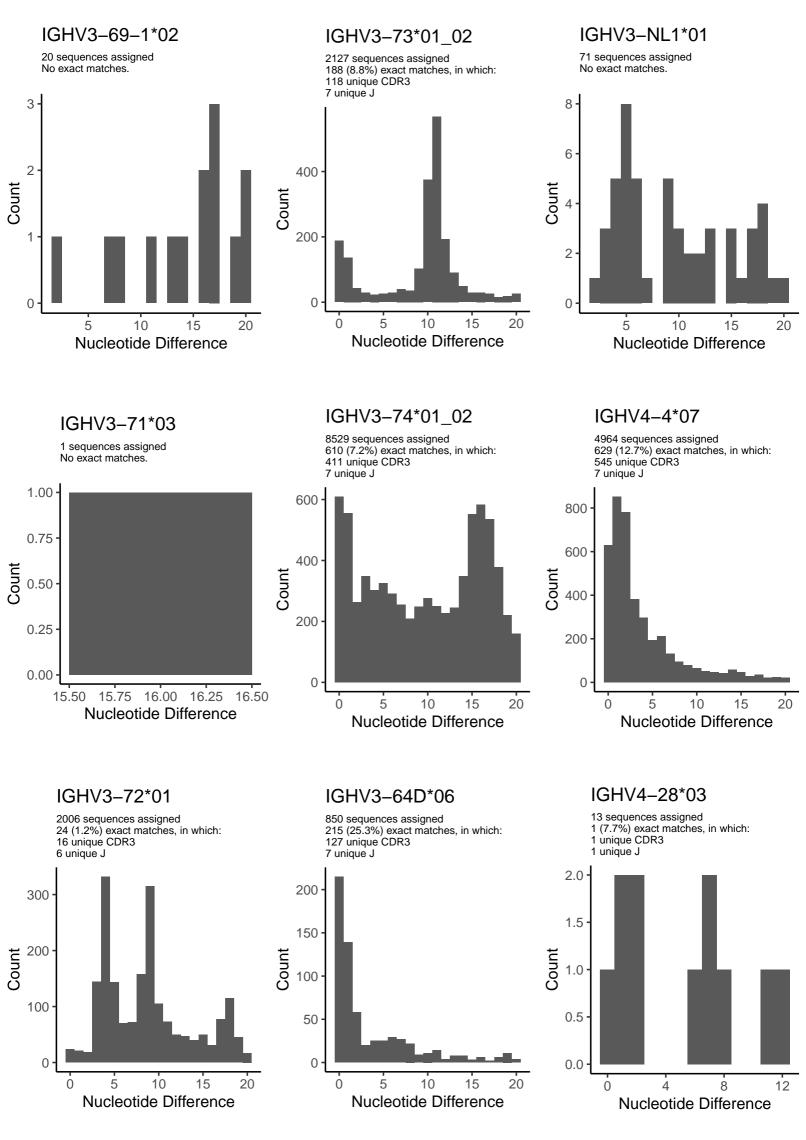


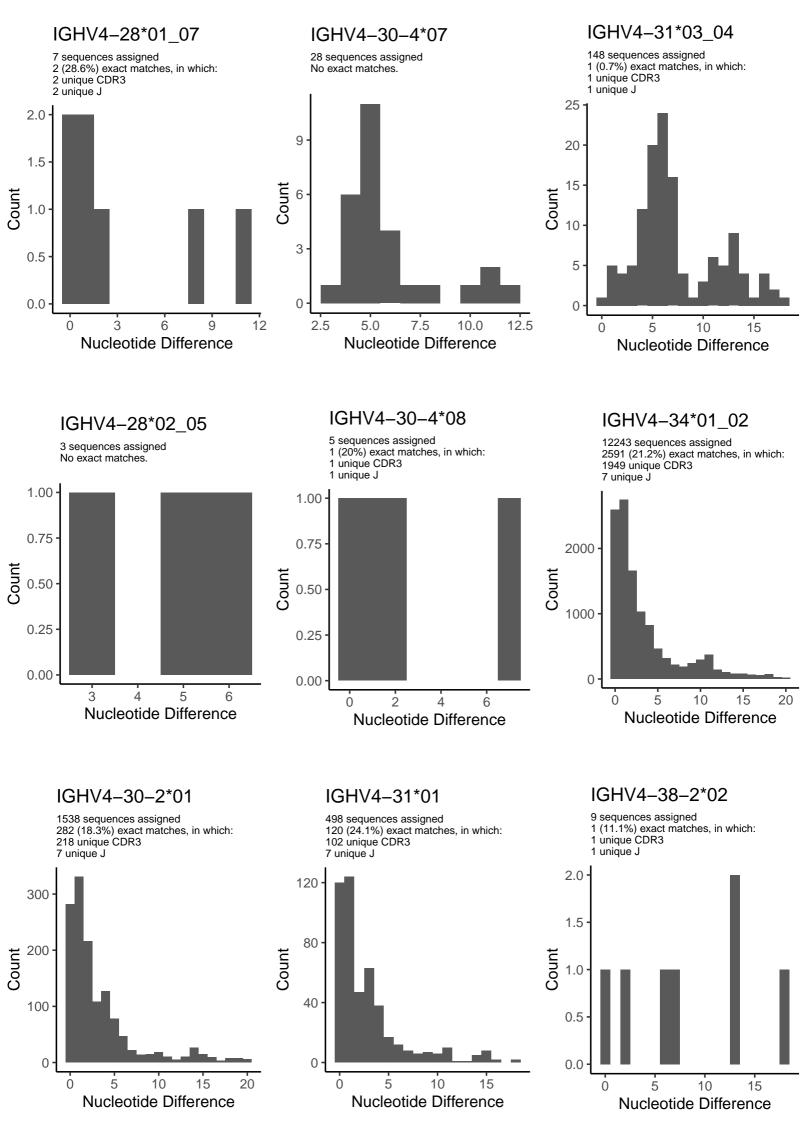


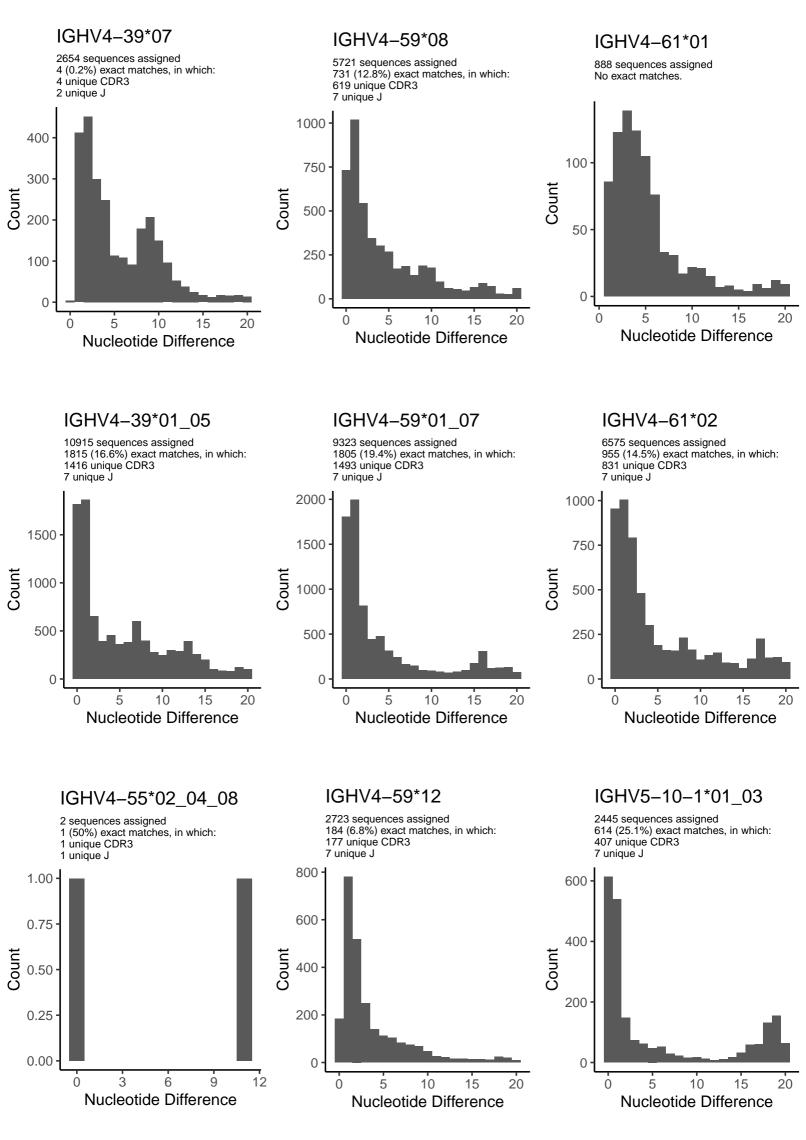








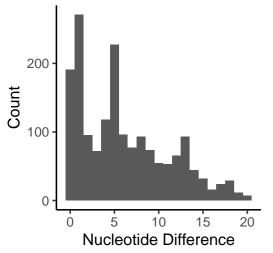


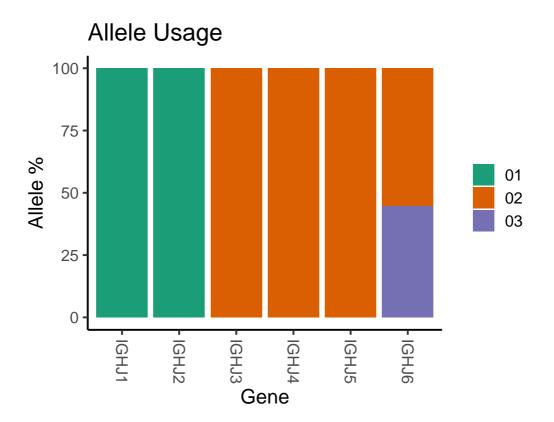


IGHV7-4-1*01 IGHV5-10-1*01_03_T258 16 sequences assigned 5 (31.2%) exact matches, in which: 5 unique CDR3 229 sequences assigned 43 (18.8%) exact matches, in which: 43 unique CDR3 3 unique J 6 unique J 4 40 Count 2 Conut 30 20 10 1 0 0 0 5 10 15 20 0 Nucleotide Difference **Nucleotide Difference** IGHV7-4-1*02 IGHV5-51*01_03 10163 sequences assigned 2045 (20.1%) exact matches, in which: 1177 unique CDR3 2 sequences assigned 1 (50%) exact matches, in which: 1 unique CDR3 1 unique J 7 unique J 1.00 -2000 0.75 Count 1000 Count Count 0.25 0.00 0 10 20 2 0 4 **Nucleotide Difference Nucleotide Difference**

IGHV6-1*01_02

1749 sequences assigned 191 (10.9%) exact matches, in which: 154 unique CDR3 7 unique J





Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning - no inferred sequences found.

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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.

Warning - no inferred sequences found.

Novel sequence(s) IGHV1-69*08_C191T IGHV3-30*03_T288C IGHV3-30-3*02_G75C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G 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.

Novel sequence(s) IGHV4-4*02_03_C300T IGHV5-51*07_A128G 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.

Novel sequence(s) IGHV4-59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV1-69*08_C191T IGHV3-11*06_T300C IGHV3-30*03_T288C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G 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.