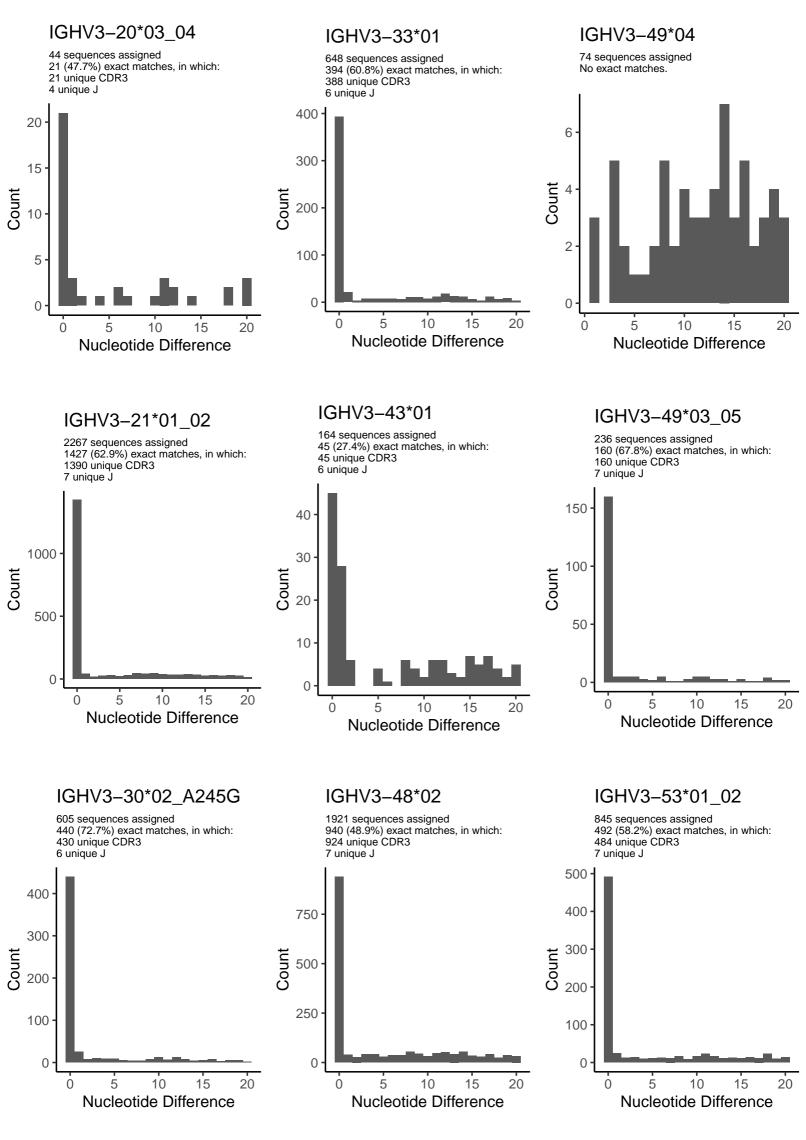
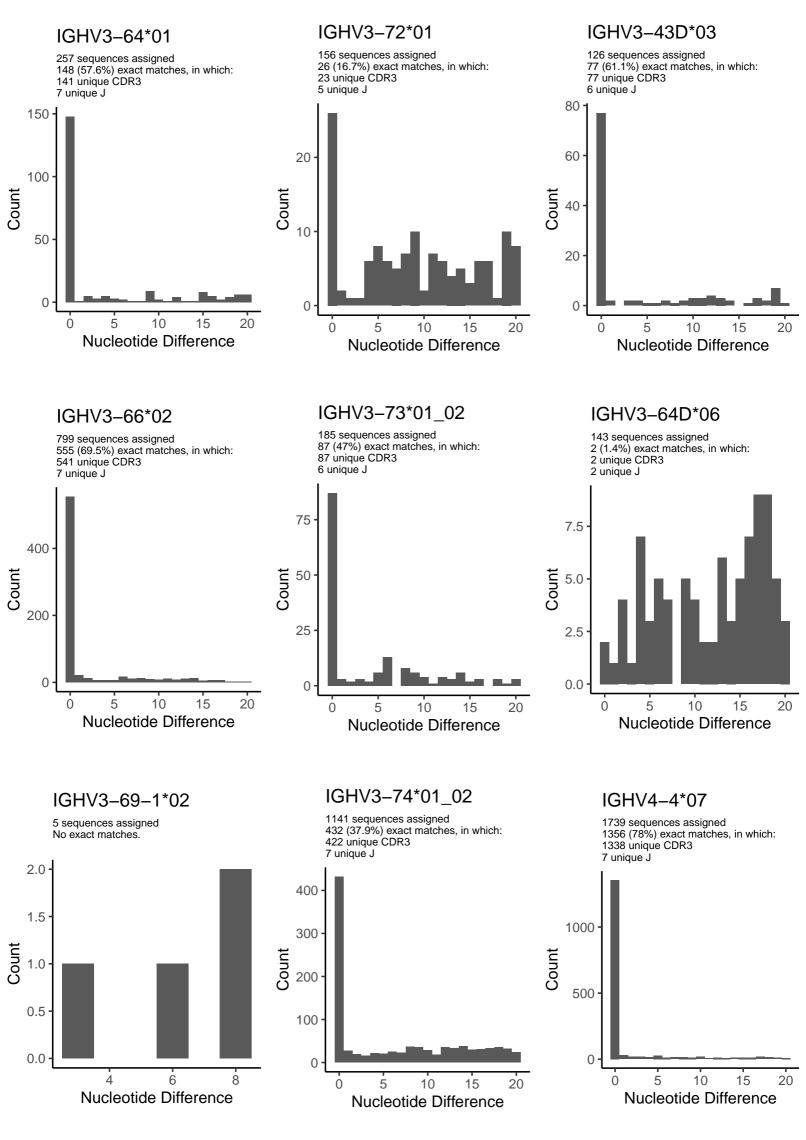
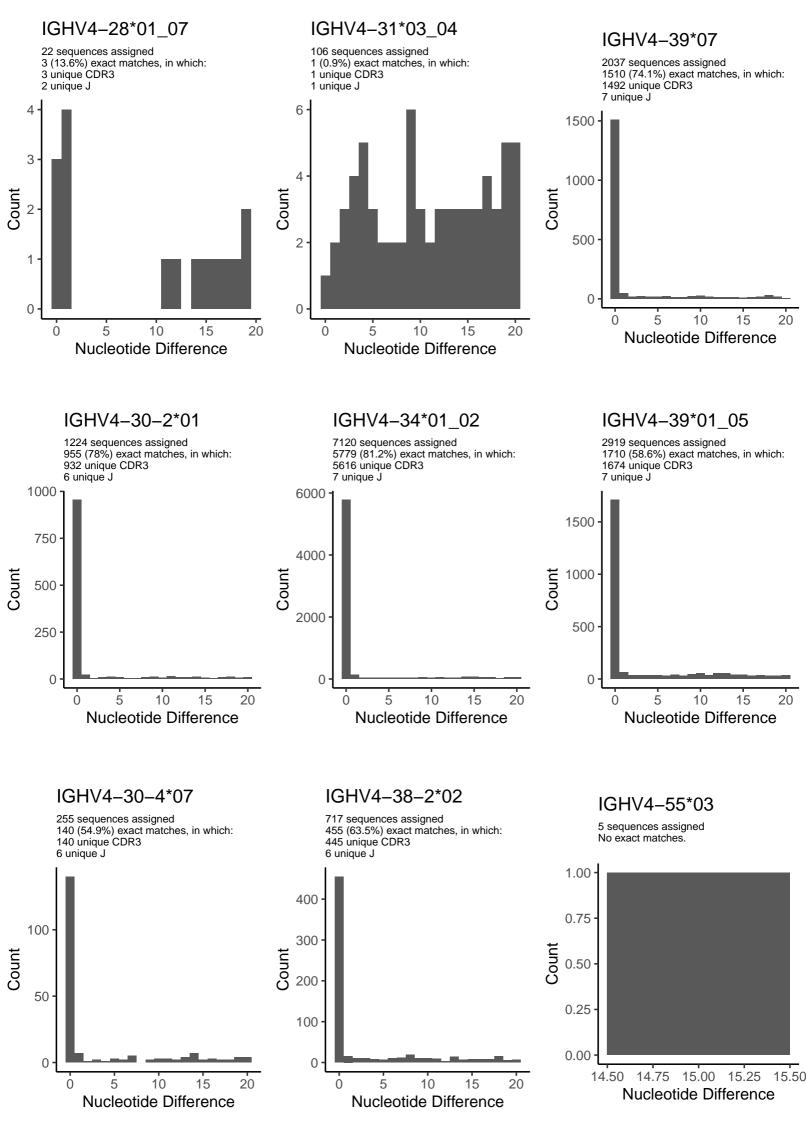
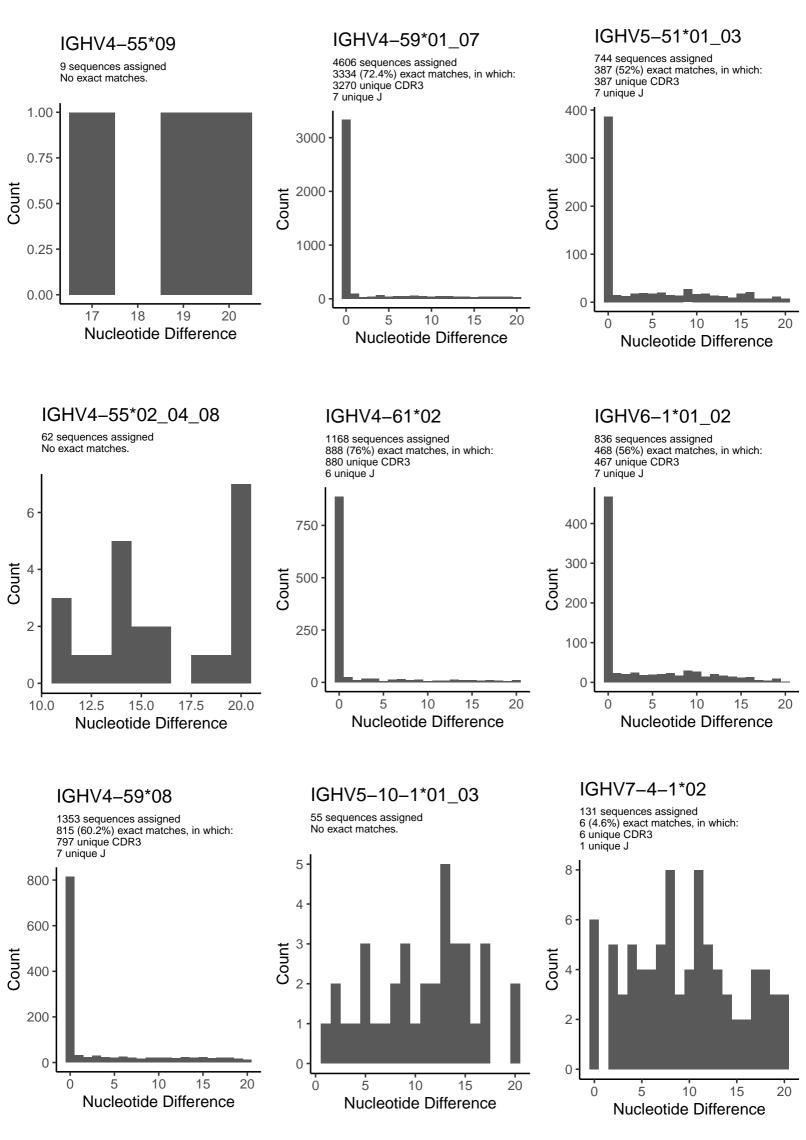


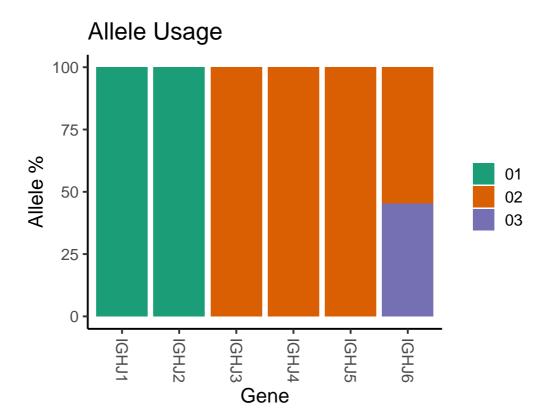
IGHV3-7*03 IGHV3-15*01_02 IGHV3-11*04 651 sequences assigned 573 sequences assigned 228 (39.8%) exact matches, in which: 329 sequences assigned 16 (2.5%) exact matches, in which: 238 (72.3%) exact matches, in which: 12 unique CDR3 237 unique CDR3 223 unique CDR3 5 unique J 6 unique J 6 unique J 50 200 200 40 150 150 30 Count Count 100 100 20 50 50 10 0 0 0 5 10 15 20 5 10 15 20 0 10 15 20 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-9*01 IGHV3-15*01_02_G147A IGHV3-11*06 262 sequences assigned 160 (61.1%) exact matches, in which: 985 sequences assigned 736 (74.7%) exact matches, in which: 178 sequences assigned 2 (1.1%) exact matches, in which: 726 unique CDR3 2 ùniqué CDR3 157 unique CDR3 7 unique J 2 unique J 6 unique J 10.0 150 600 7.5 100 Count Count 400 5.0 50 200 2.5 0.0 0 0 20 20 5 10 15 10 15 0 10 20 0 5 0 5 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-20*01_02 IGHV3-11*01 IGHV3-13*01 65 sequences assigned 389 sequences assigned 263 sequences assigned 52 (80%) exact matches, in which: 269 (69.2%) exact matches, in which: 182 (69.2%) exact matches, in which: 50 unique CDR3 180 unique CDR3 263 unique CDR3 6 unique J 6 unique J 7 unique J 150 40 200 Count 30 100 20 100 50 10 0 0 5 10 15 20 5 10 15 20 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference











Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

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 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) IGHV4–59*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) IGHV4-39*02_C258G 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) IGHV4-39*02_C258G IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

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 IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

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

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