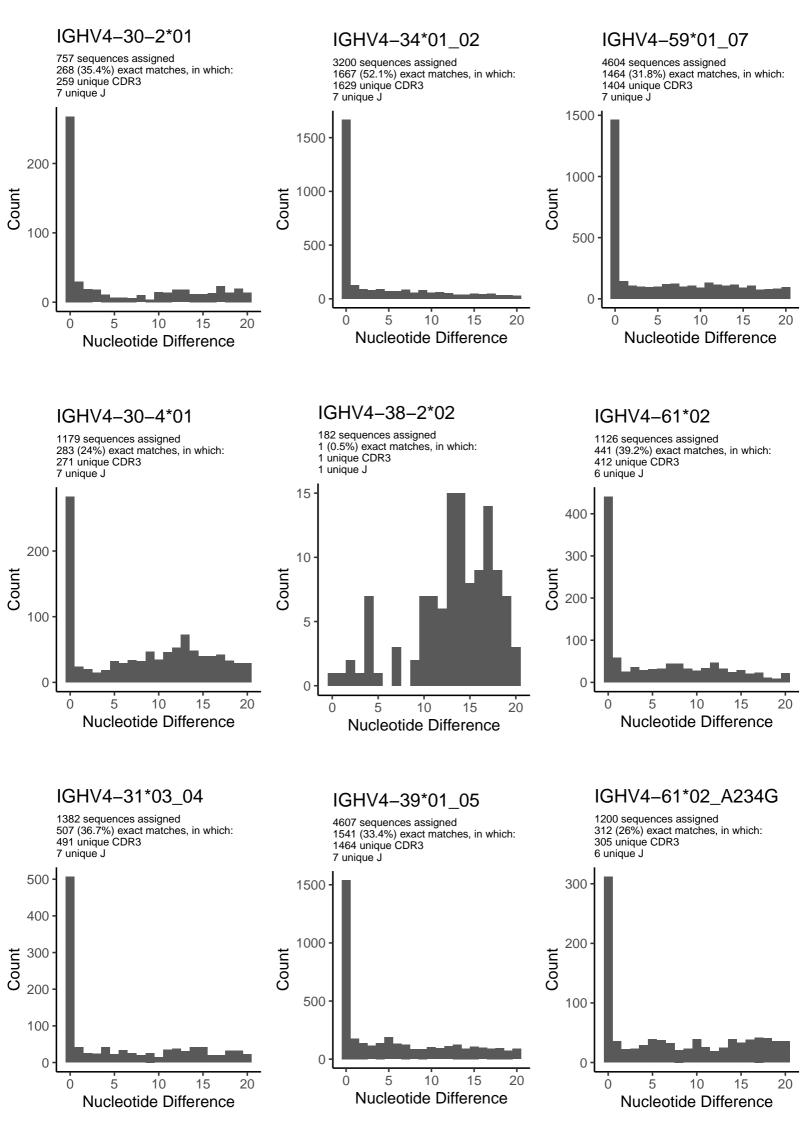


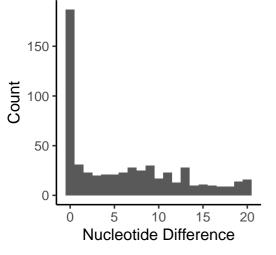
IGHV3-72*01 IGHV3-43D*03 IGHV3-NL1*01 351 sequences assigned 28 (8%) exact matches, in which: 57 sequences assigned 1 sequences assigned 2 (3.5%) exact matches, in which: 23 unique CDR3 No exact matches. 2 ùniqué CDR3 5 unique J 1 unique J 12.5 1.00 10.0 0.75 20 7.5 Count 0.50 5.0 0.25 2.5 0.00 0.0 0 8.50 8.75 9.00 9.25 20 10 15 0 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-73*01_02 IGHV3-64D*06 IGHV4-4*07 363 sequences assigned 59 (16.3%) exact matches, in which: 835 sequences assigned 349 (41.8%) exact matches, in which: 158 sequences assigned No exact matches. 53 unique CDR3 328 unique CDR3 5 unique J 6 unique J 60 6 300 40 Count Count 200 20 2 100 0 0 10 15 20 10 15 20 0 5 5 0 10 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV4-28*01_07 IGHV3-64D*09 IGHV3-74*01_02 15 sequences assigned 78 sequences assigned 2142 sequences assigned 6 (40%) exact matches, in which: 1 (1.3%) exact matches, in which: 300 (14%) exact matches, in which: 6 unique CDR3 1 ùniqué CDR3 266 unique CDR3 3 unique J 1 unique J 7 unique J 300 7.5 200 Count Count 5.0 100 2 2.5 0 0.0 0 5 10 15 20 10 20 15 0 2 **Nucleotide Difference Nucleotide Difference Nucleotide Difference**



IGHV5-10-1*01_03 IGHV7-4-1*02 20 sequences assigned 1 (5%) exact matches, in which: 1 unique CDR3 434 sequences assigned 143 (32.9%) exact matches, in which: 141 unique CDR3 1 unique J 7 unique J 150 3 100 2 Count Count 50 0 0 10 15 0 5 20 **Nucleotide Difference Nucleotide Difference**

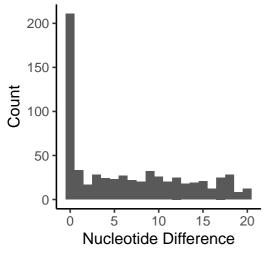
IGHV5-51*01_03

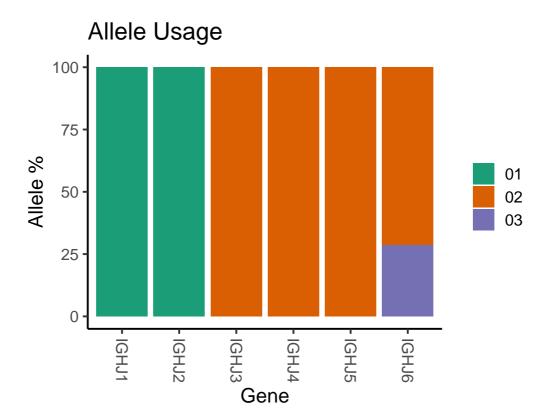
604 sequences assigned 187 (31%) exact matches, in which: 187 unique CDR3 7 unique J



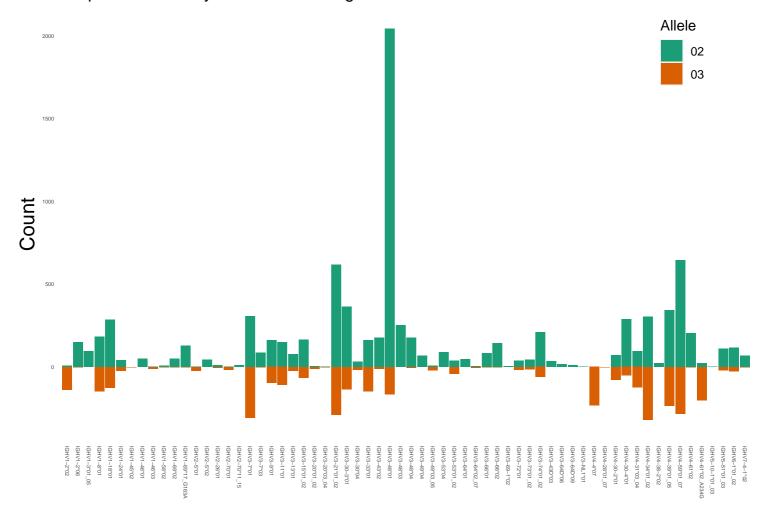
IGHV6-1*01_02

710 sequences assigned 211 (29.7%) exact matches, in which: 211 unique CDR3 6 unique J





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) 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.

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.

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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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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