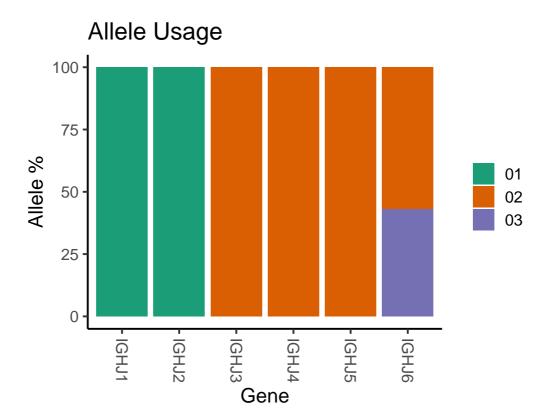
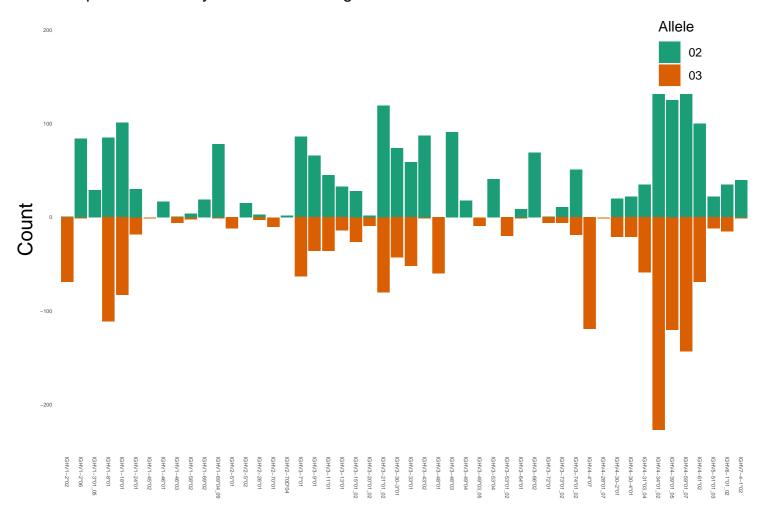


IGHV5-51*01_03 IGHV4-39*01_05 207 sequences assigned 173 (83.6%) exact matches, in which: 1709 sequences assigned 1462 (85.5%) exact matches, in which: 173 unique CDR3 1412 unique CDR3 7 unique J 7 unique J 1500 150 1000 Count 100 500 50 0 0 3 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV4-59*01_07 248 sequences assigned 206 (83.1%) exact matches, in which: 1574 sequences assigned 1373 (87.2%) exact matches, in which: 1351 unique CDR3 206 unique CDR3 6 unique J 7 unique J 200 150 1000 Count 100 500 50 0 0 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*02 IGHV4-61*02 132 sequences assigned 775 sequences assigned 389 (50.2%) exact matches, in which: 112 (84.8%) exact matches, in which: 112 unique CDR3 373 unique CDR3 7 unique J 6 unique J 400 90 300 Count 00 Count 200 100 30 0 0 **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) 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.

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 are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

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.