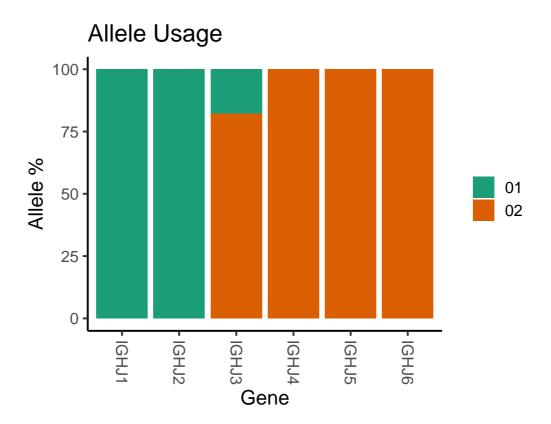


## IGHV4-61\*01 IGHV5-51\*01\_03 299 sequences assigned 3 (1%) exact matches, in which: 2 unique CDR3 1 unique J 494 sequences assigned 4 (0.8%) exact matches, in which: 4 unique CDR3 1 unique J 50 40 20 Count 30 20 10 10 0 0 5 10 15 20 5 10 Nucleotide Difference Nucleotide Difference IGHV6-1\*01\_02 IGHV4-61\*08 513 sequences assigned 8 (1.6%) exact matches, in which: 8 unique CDR3 54 sequences assigned No exact matches. 3 unique J 5 50 4 40 Count 2 30 20 1 10 0 0 12 16 8 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1\*01\_03 IGHV7-4-1\*01 58 sequences assigned 1 (1.7%) exact matches, in which: 1 unique CDR3 1 sequences assigned No exact matches. 1 unique J 5 1.00 4 0.75 Count Count Count 0.25 0.00 0 12.50 12.75 13.00 13.25 13.50 5 10 15 20 **Nucleotide Difference Nucleotide Difference**



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. Novel sequence(s) IGHV4-59\*02\_G88A 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) 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) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV1-69\*04\_09\_G112A 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. 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 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. 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. Warning – no inferred sequences found. 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. Warning - no inferred sequences found. 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.

Warning – no inferred sequences found.

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.