

## IGHV6-1\*01\_02 IGHV4-61\*08 1466 sequences assigned 211 (14.4%) exact matches, in which: 196 unique CDR3 1711 sequences assigned No exact matches. 7 unique J 200 200 150 150 Count 100 100 50 50 0 5 10 15 20 0 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1\*01\_03 IGHV7-4-1\*02 4959 sequences assigned 1886 (38%) exact matches, in which: 1476 unique CDR3 4158 sequences assigned 968 (23.3%) exact matches, in which: 910 unique CDR3 7 unique J 7 unique J 1000 1500 750 Count Count 1000 500 500 250 0 0 10 20 0 10 20 **Nucleotide Difference Nucleotide Difference** IGHV5-51\*01\_03 IGHV7-81\*01 14088 sequences assigned 4228 (30%) exact matches, in which: 3083 unique CDR3 1 sequences assigned No exact matches. 7 unique J 1.00 4000 0.75 3000 Count 0.50 Count 2000 0.25 1000 0.00 0 2.50 2.75 3.00 3.25 3.50

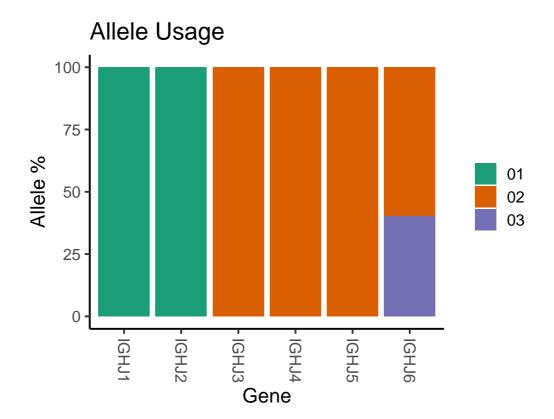
0

10

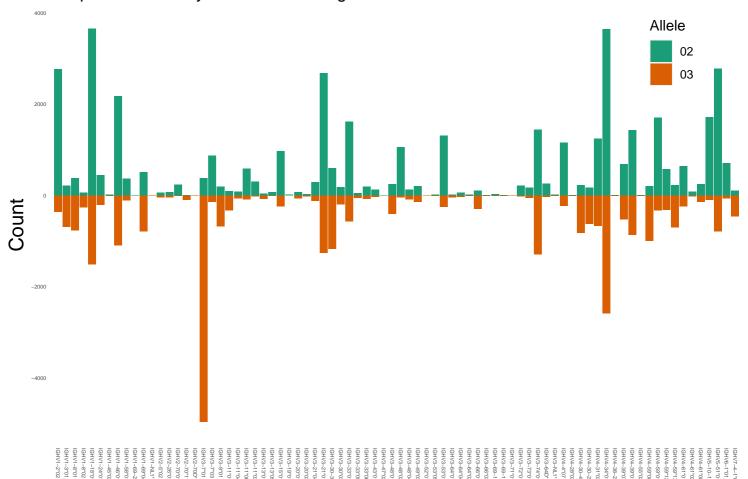
**Nucleotide Difference** 

20

**Nucleotide Difference** 



## Sequence Count by IGHJ6 allele usage



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. Warning – no inferred sequences found. Novel sequence(s) IGHV3-30\*03\_T288C IGHV3-30-3\*01\_T288C IGHV4-59\*02\_688A 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) IGHV3-48\*04\_A193T\_C198T\_A200C\_C201T\_T210A 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) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV3-33\*01\_C288T 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) IGHV3-33\*01\_T105C\_A173T\_T192G\_C288T are not listed in the genotype and will be ignored. Novel sequence(s) IGHV3-30\*04\_T288C IGHV3-33\*01\_G75C IGHV4-30-2\*03\_T288C IGHV4-59\*02\_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-11\*06\_T300C 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) IGHV3-30\*03\_T288C 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.