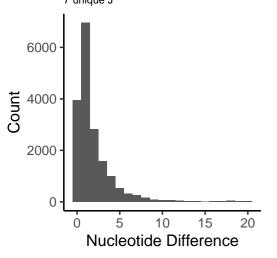


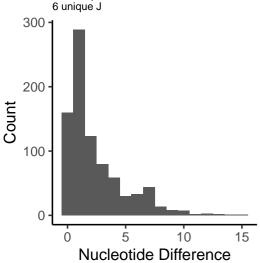
IGHV5-51*01_03

18216 sequences assigned 3961 (21.7%) exact matches, in which: 2585 unique CDR3 7 unique J



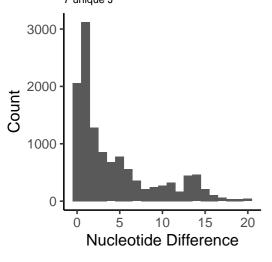
IGHV6-1*01_02

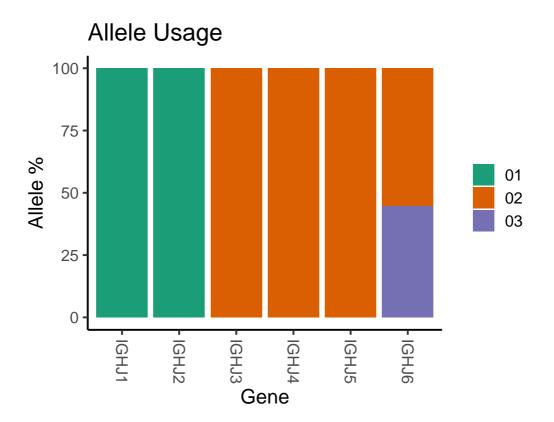
856 sequences assigned 160 (18.7%) exact matches, in which: 138 unique CDR3



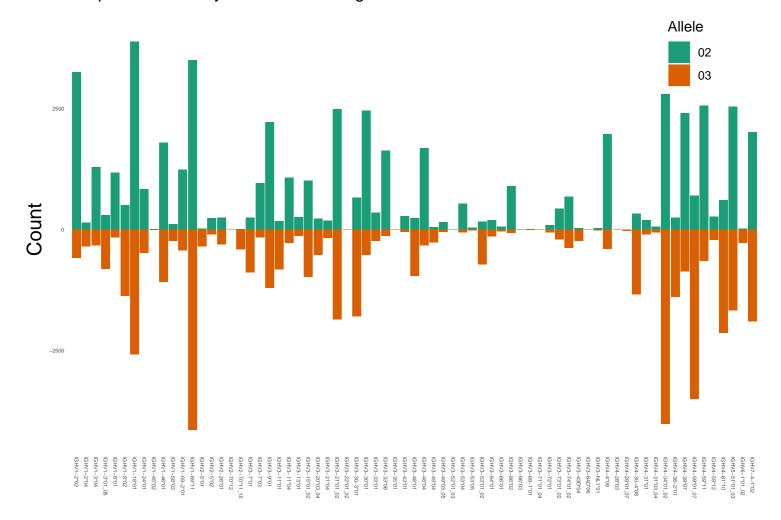
IGHV7-4-1*02

12613 sequences assigned 2061 (16.3%) exact matches, in which: 1713 unique CDR3 7 unique J





Sequence Count by IGHJ6 allele usage



Novel sequence(s) IGHV1-69*08_C191T IGHV3-11*06_T300C 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) IGHV3-53*05_C300T are not listed in the genotype and will be ignored.