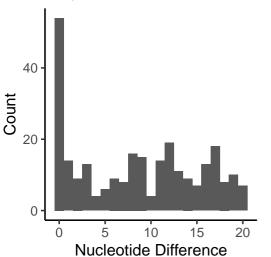


IGHV4-61*02

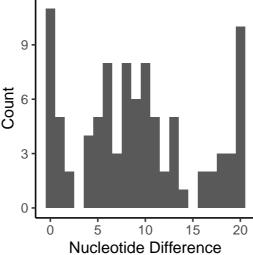
320 sequences assigned 54 (16.9%) exact matches, in which: 54 unique CDR3 6 unique J



IGHV6-1*01

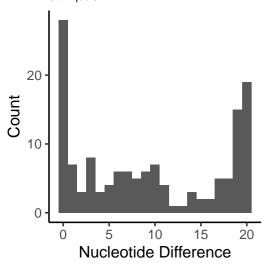
134 sequences assigned 11 (8.2%) exact matches, in which: 11 unique CDR3

2 unique J



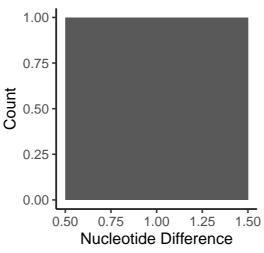
IGHV5-10-1*03

154 sequences assigned 28 (18.2%) exact matches, in which: 28 unique CDR3 6 unique J



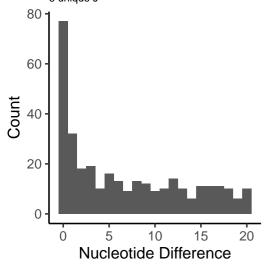
IGHV7-4-1*01

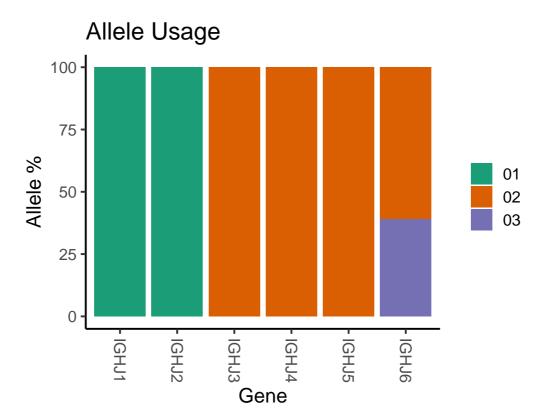
1 sequences assigned No exact matches.



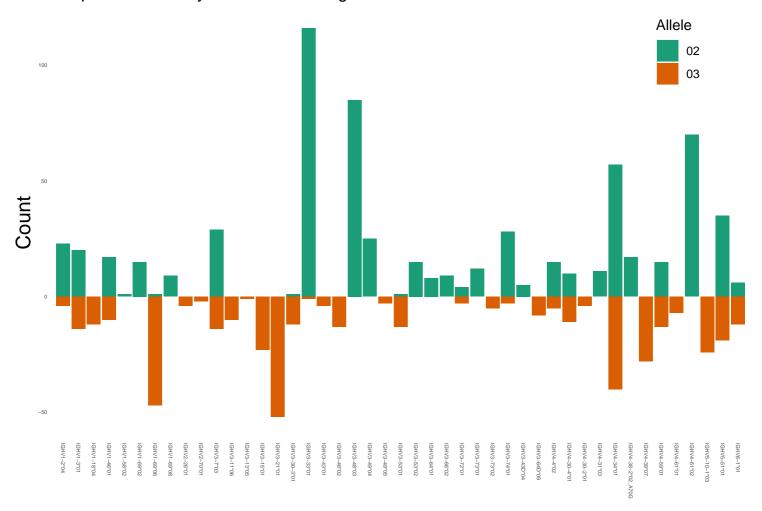
IGHV5-51*01

397 sequences assigned 77 (19.4%) exact matches, in which: 76 unique CDR3 6 unique J





Sequence Count by IGHJ6 allele usage



Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found.