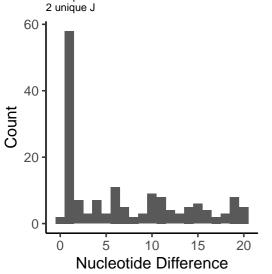


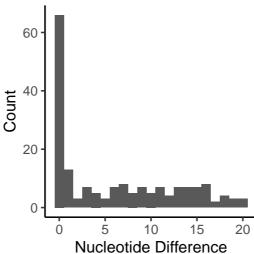
## IGHV5-51\*01

206 sequences assigned 2 (1%) exact matches, in which: 2 unique CDR3 2 unique J



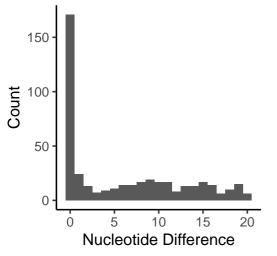
## IGHV7-4-1\*02

211 sequences assigned 66 (31.3%) exact matches, in which: 65 unique CDR3 6 unique J



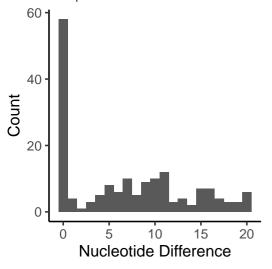
## IGHV5-51\*03

532 sequences assigned 171 (32.1%) exact matches, in which: 170 unique CDR3 6 unique J



## IGHV6-1\*01

208 sequences assigned 58 (27.9%) exact matches, in which: 58 unique CDR3 5 unique J





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