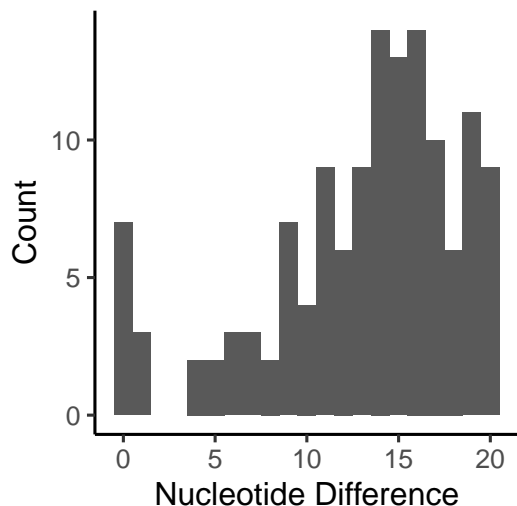


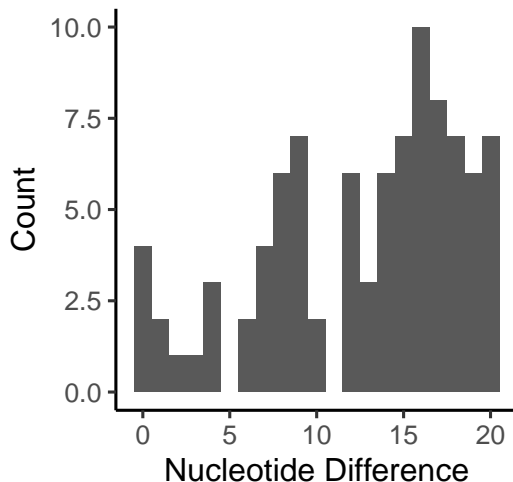
IGHV1-2*02

393 sequences assigned
7 (1.8%) exact matches, in which:
7 unique CDR3
3 unique J



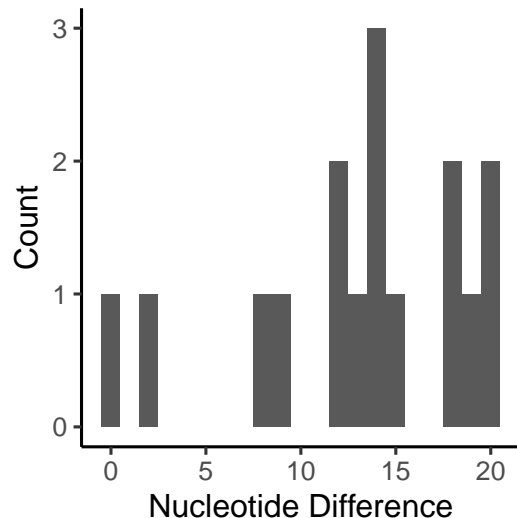
IGHV1-18*01

232 sequences assigned
4 (1.7%) exact matches, in which:
4 unique CDR3
3 unique J



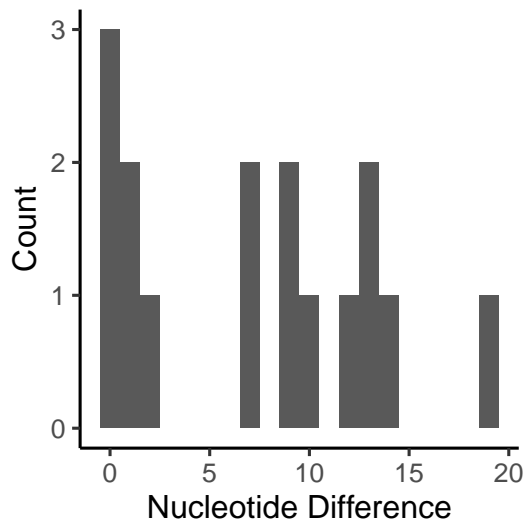
IGHV1-46*03

32 sequences assigned
1 (3.1%) exact matches, in which:
1 unique CDR3
1 unique J



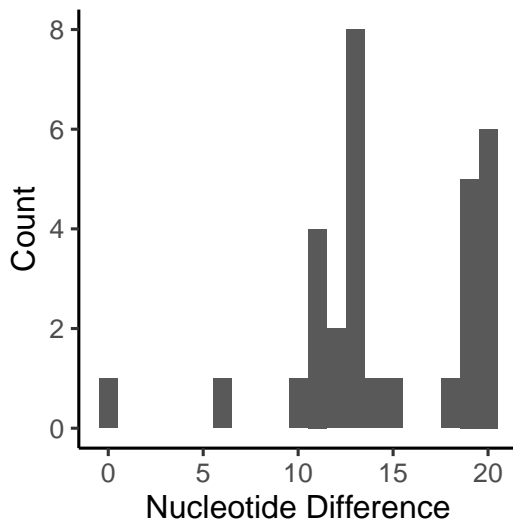
IGHV1-8*01

37 sequences assigned
3 (8.1%) exact matches, in which:
3 unique CDR3
2 unique J



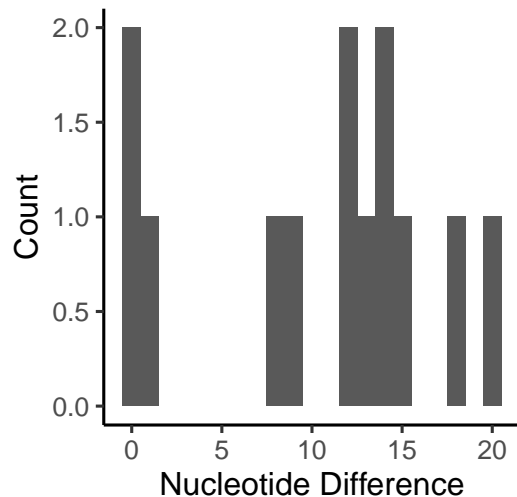
IGHV1-24*01

47 sequences assigned
1 (2.1%) exact matches, in which:
1 unique CDR3
1 unique J



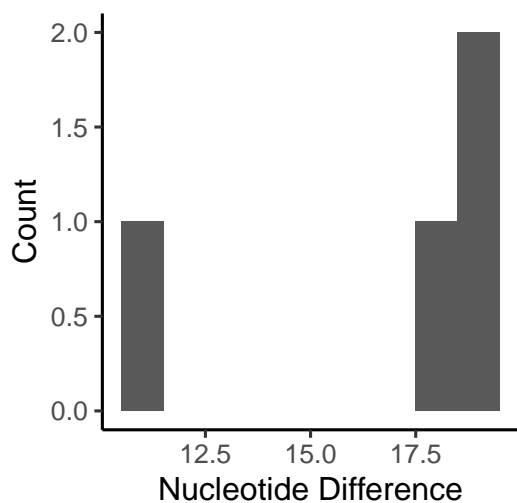
IGHV1-58*01

15 sequences assigned
2 (13.3%) exact matches, in which:
1 unique CDR3
1 unique J



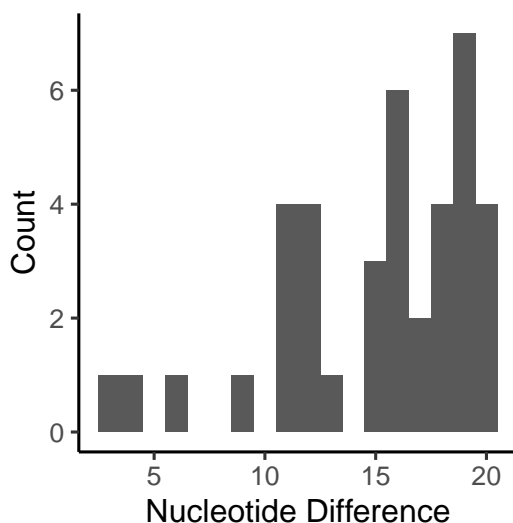
IGHV1-8*02

6 sequences assigned
No exact matches.



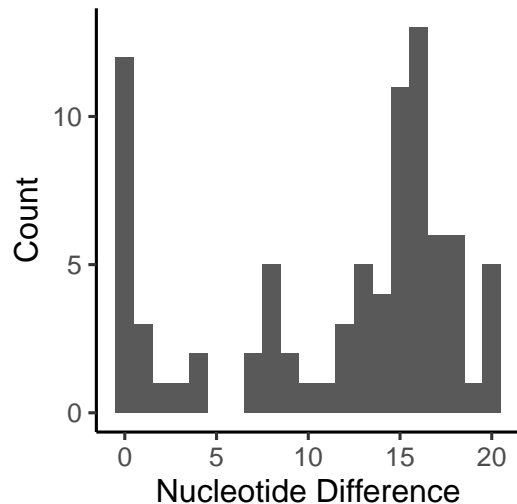
IGHV1-46*01

108 sequences assigned
No exact matches.



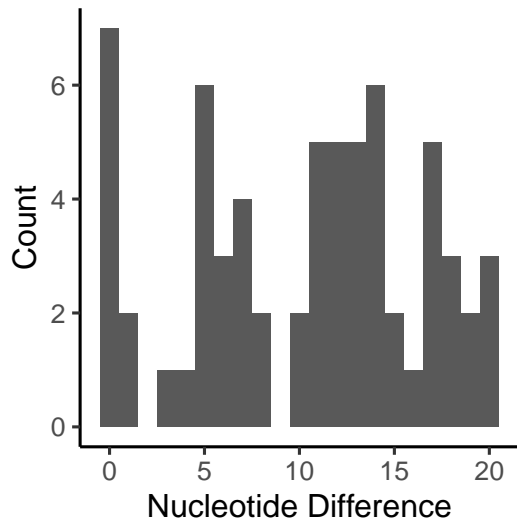
IGHV1-69*01

195 sequences assigned
12 (6.2%) exact matches, in which:
12 unique CDR3
5 unique J



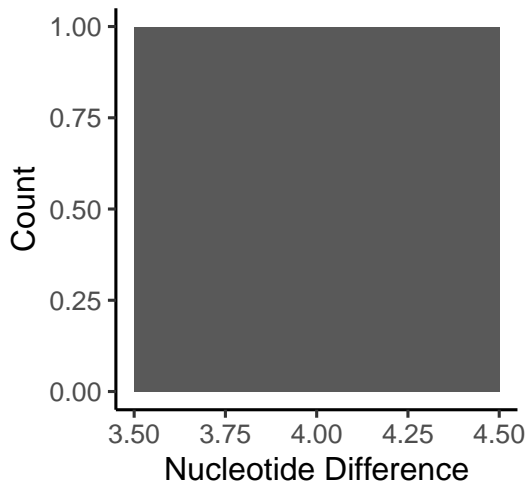
IGHV2-5*01

199 sequences assigned
7 (3.5%) exact matches, in which:
7 unique CDR3
2 unique J



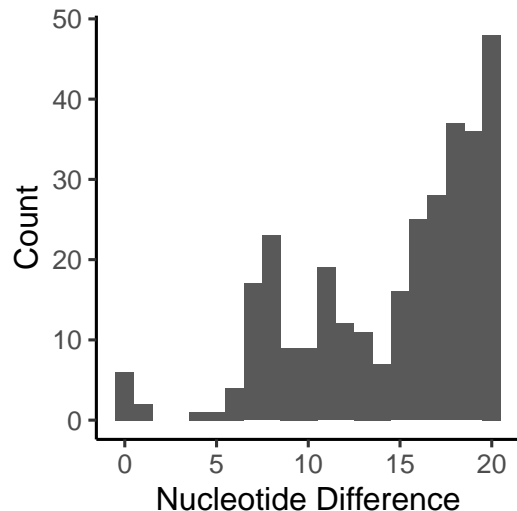
IGHV2-70*13

10 sequences assigned
No exact matches.



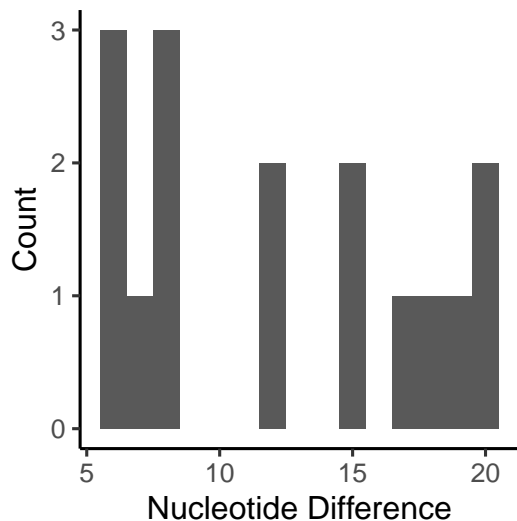
IGHV3-9*01

626 sequences assigned
6 (1%) exact matches, in which:
6 unique CDR3
4 unique J



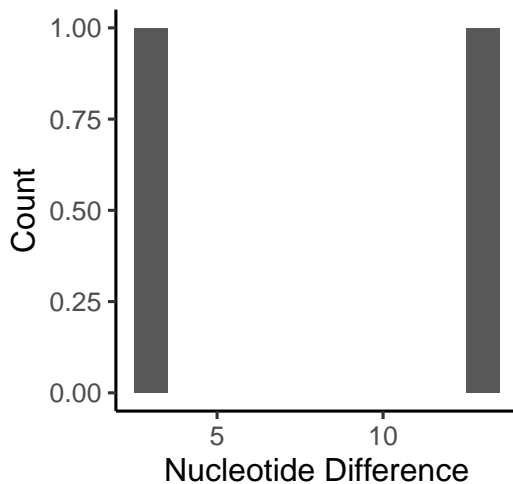
IGHV2-26*01

42 sequences assigned
No exact matches.



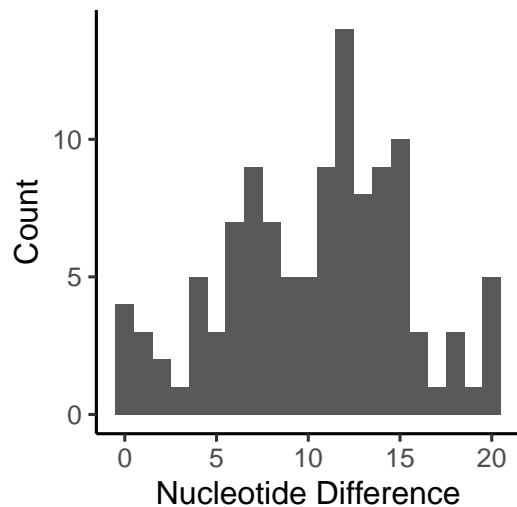
IGHV2-70*20

5 sequences assigned
No exact matches.



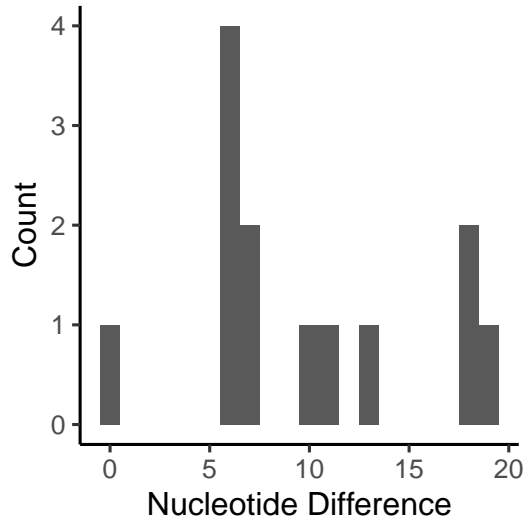
IGHV3-11*01

280 sequences assigned
4 (1.4%) exact matches, in which:
4 unique CDR3
2 unique J



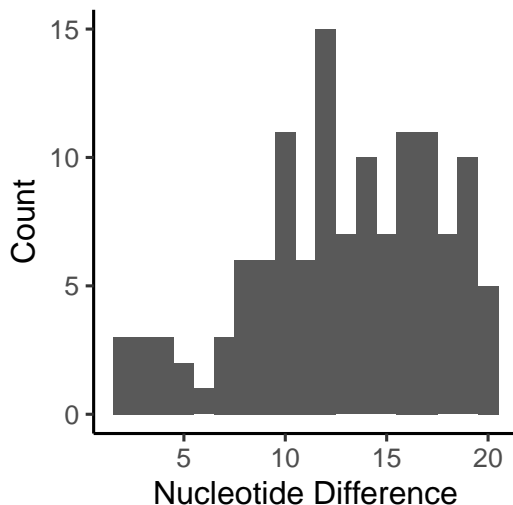
IGHV2-70*01

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



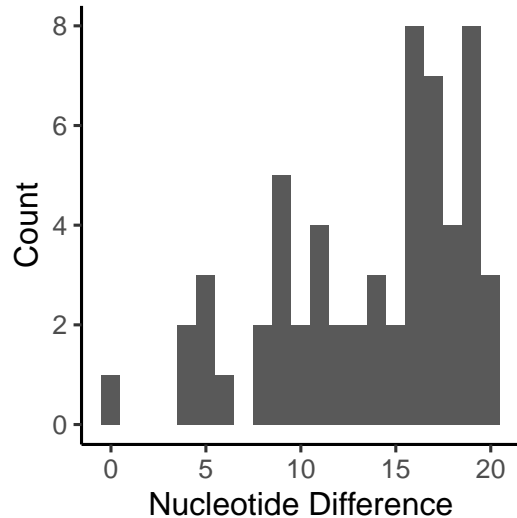
IGHV3-7*01

195 sequences assigned
No exact matches.



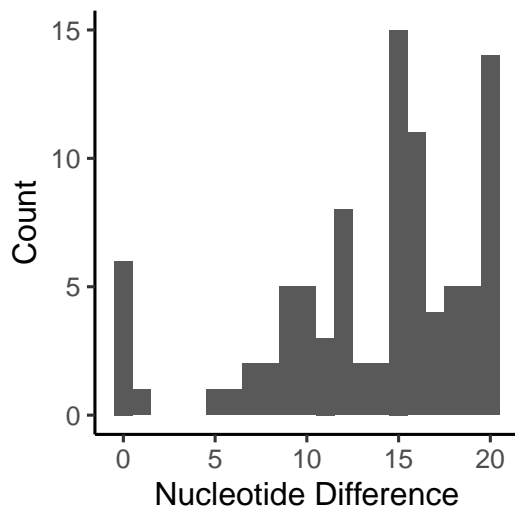
IGHV3-13*01

75 sequences assigned
1 (1.3%) exact matches, in which:
1 unique CDR3
1 unique J



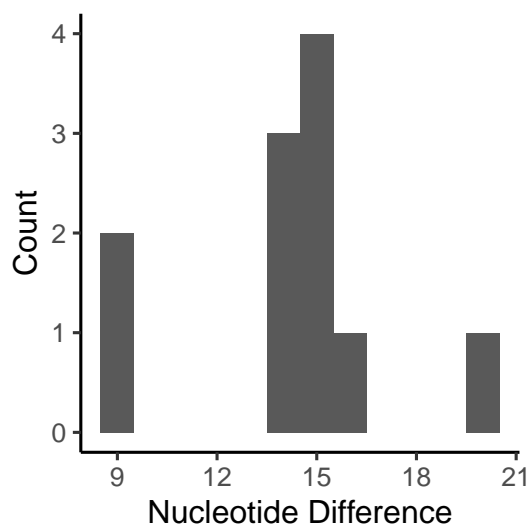
IGHV3-15*01

294 sequences assigned
6 (2%) exact matches, in which:
4 unique CDR3
2 unique J



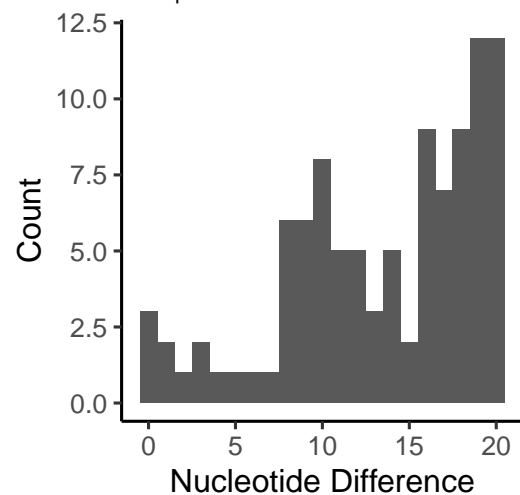
IGHV3-21*02

27 sequences assigned
No exact matches.



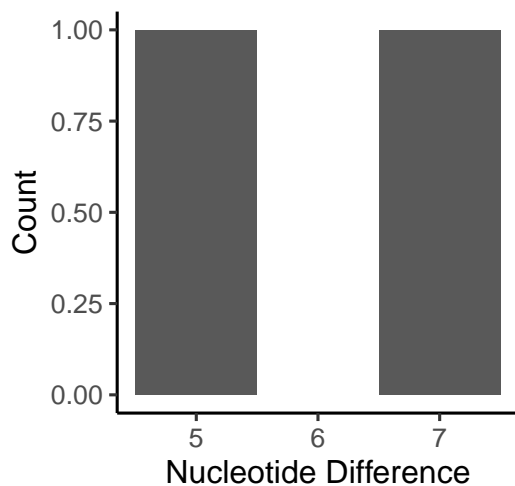
IGHV3-30-3*01

335 sequences assigned
3 (0.9%) exact matches, in which:
3 unique CDR3
2 unique J



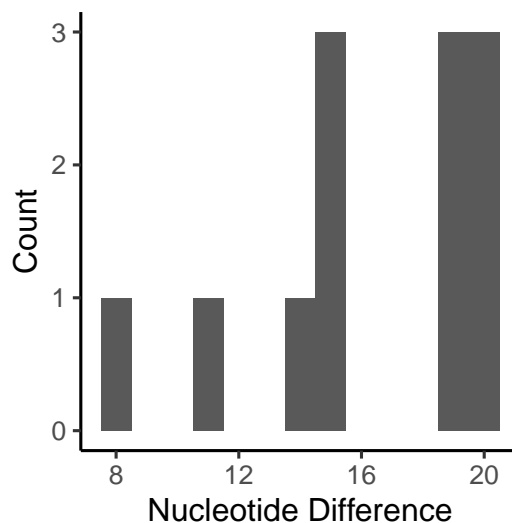
IGHV3-20*01

2 sequences assigned
No exact matches.



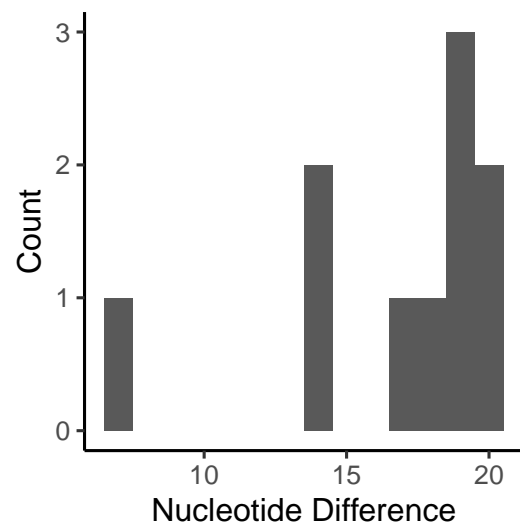
IGHV3-21*06

89 sequences assigned
No exact matches.



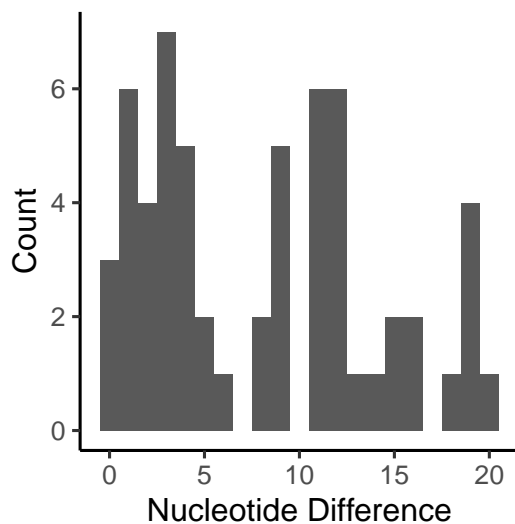
IGHV3-30*03

38 sequences assigned
No exact matches.



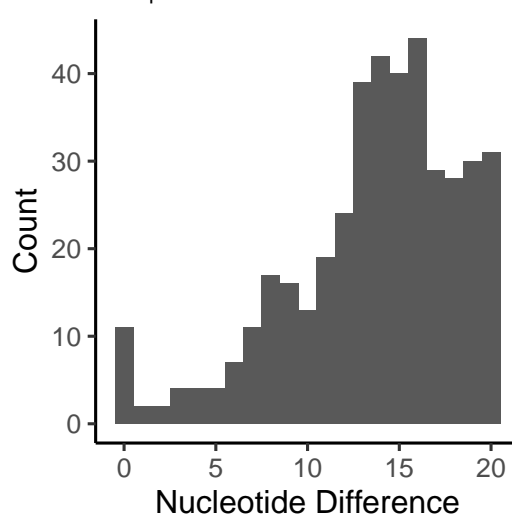
IGHV3-21*01

95 sequences assigned
3 (3.2%) exact matches, in which:
3 unique CDR3
1 unique J



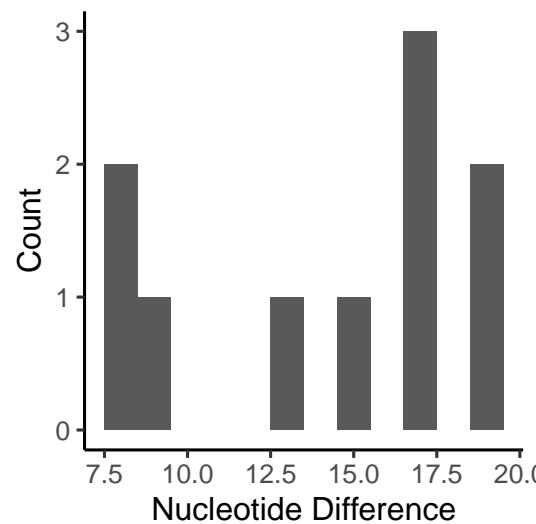
IGHV3-23*01

1181 sequences assigned
11 (0.9%) exact matches, in which:
10 unique CDR3
4 unique J



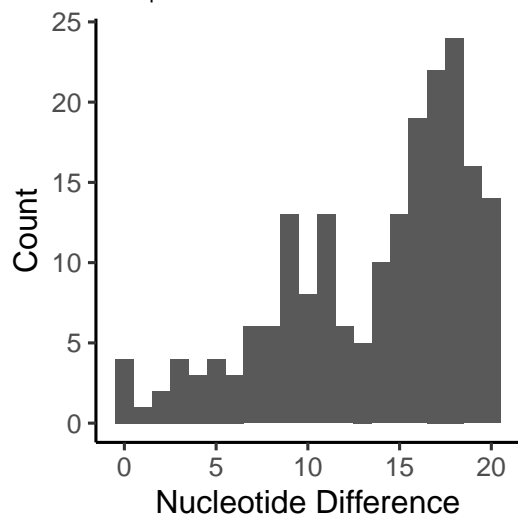
IGHV3-30*04

43 sequences assigned
No exact matches.



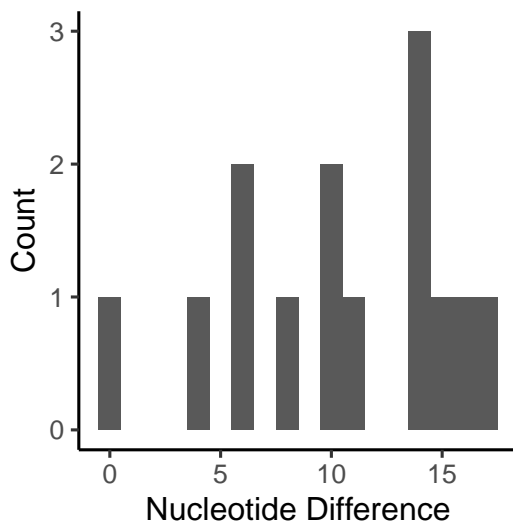
IGHV3–30*18

332 sequences assigned
4 (1.2%) exact matches, in which:
3 unique CDR3
2 unique J



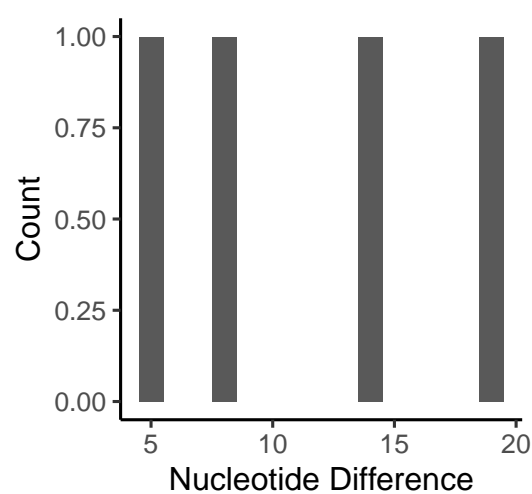
IGHV3–48*01

27 sequences assigned
1 (3.7%) exact matches, in which:
1 unique CDR3
1 unique J



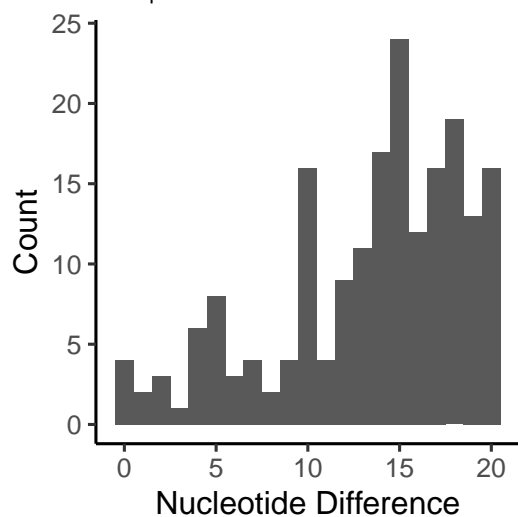
IGHV3–49*05

20 sequences assigned
No exact matches.



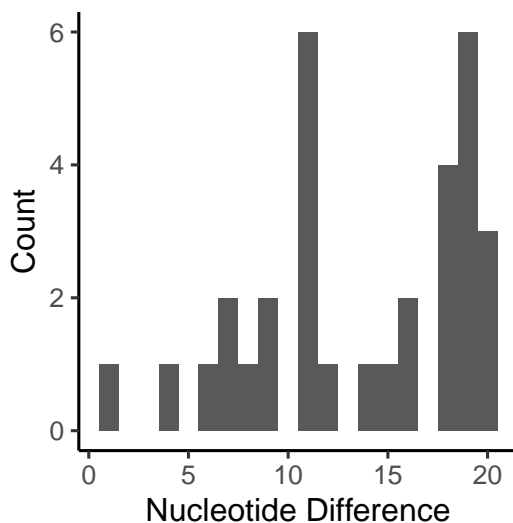
IGHV3–33*01

419 sequences assigned
4 (1%) exact matches, in which:
4 unique CDR3
2 unique J



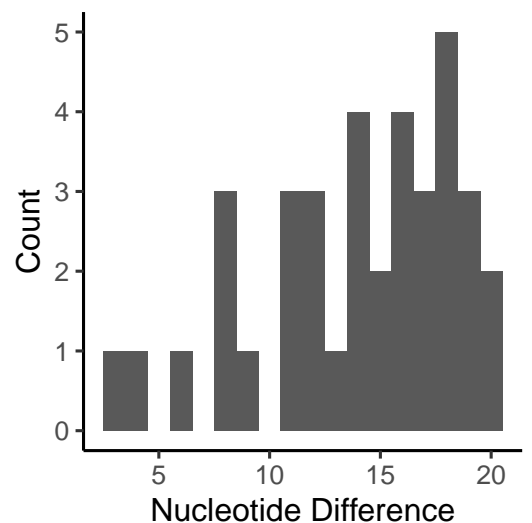
IGHV3–48*02

45 sequences assigned
No exact matches.



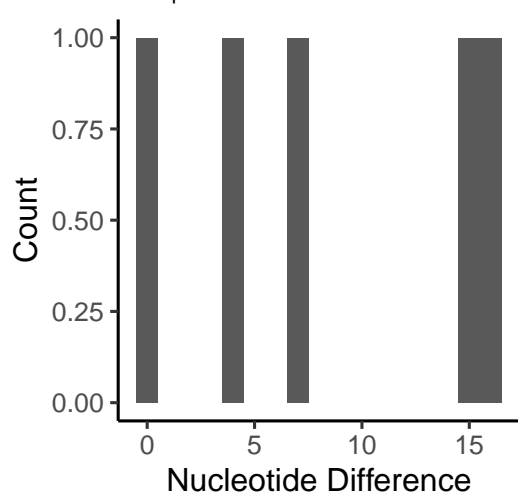
IGHV3–53*01

86 sequences assigned
No exact matches.



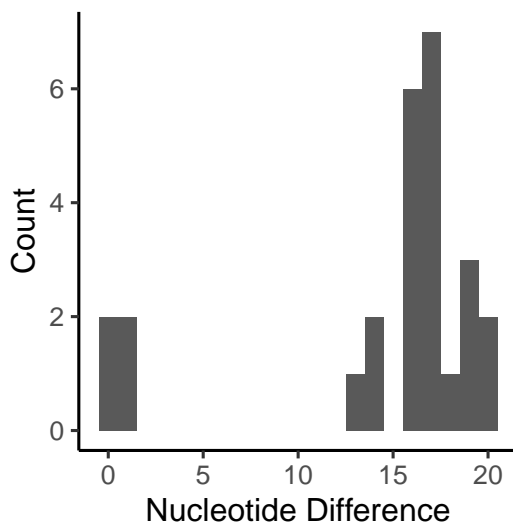
IGHV3–43*01

142 sequences assigned
1 (0.7%) exact matches, in which:
1 unique CDR3
1 unique J



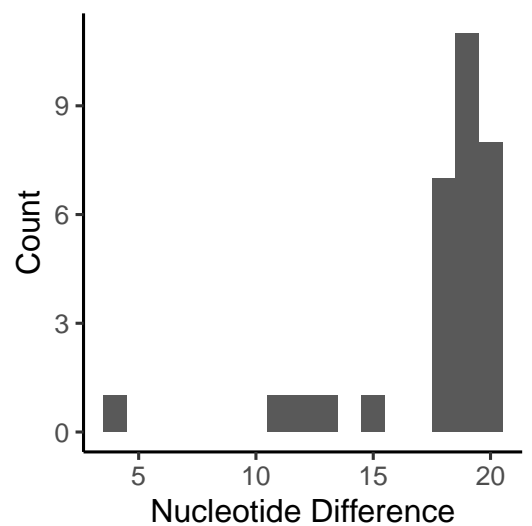
IGHV3–49*03

29 sequences assigned
2 (6.9%) exact matches, in which:
1 unique CDR3
1 unique J



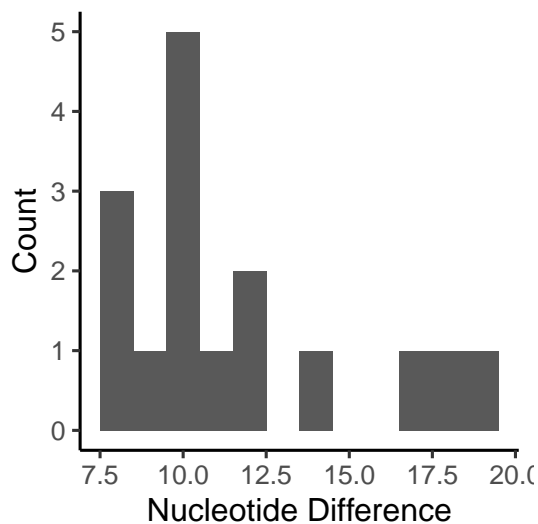
IGHV3–53*02

94 sequences assigned
No exact matches.



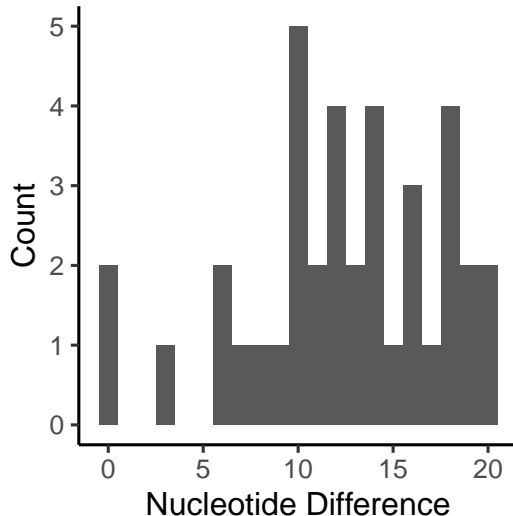
IGHV3-72*01

29 sequences assigned
No exact matches.



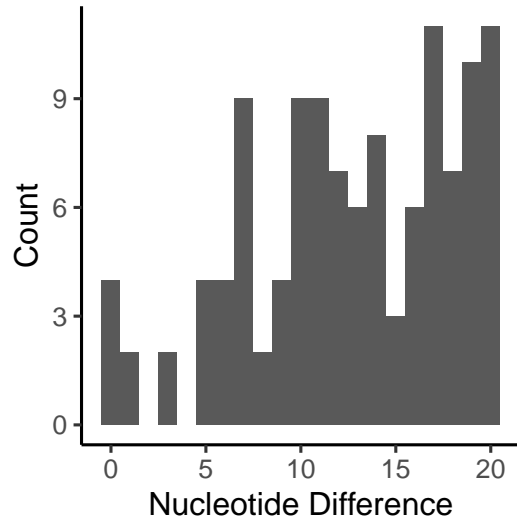
IGHV4-4*07

106 sequences assigned
2 (1.9%) exact matches, in which:
2 unique CDR3
1 unique J



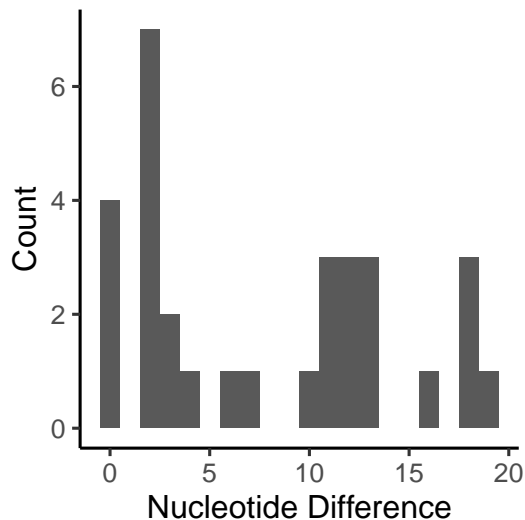
IGHV4-31*03

261 sequences assigned
4 (1.5%) exact matches, in which:
3 unique CDR3
2 unique J



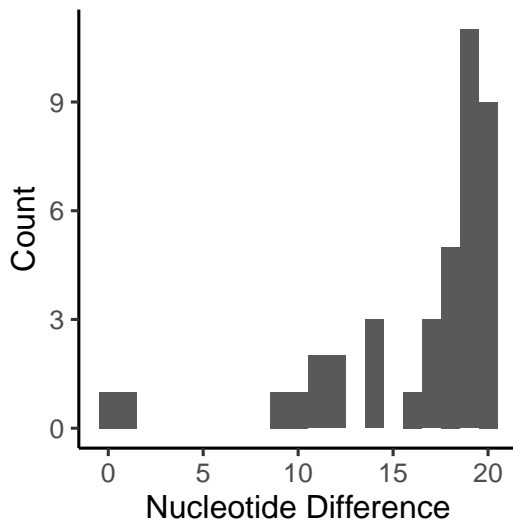
IGHV3-73*02

125 sequences assigned
4 (3.2%) exact matches, in which:
2 unique CDR3
1 unique J



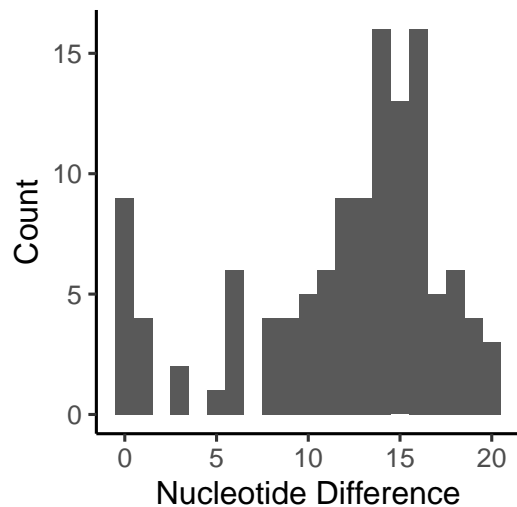
IGHV4-30-4*01

164 sequences assigned
1 (0.6%) exact matches, in which:
1 unique CDR3
1 unique J



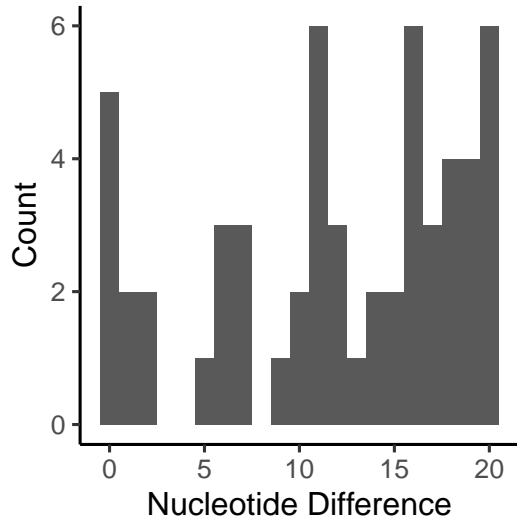
IGHV4-34*01

246 sequences assigned
9 (3.7%) exact matches, in which:
9 unique CDR3
3 unique J



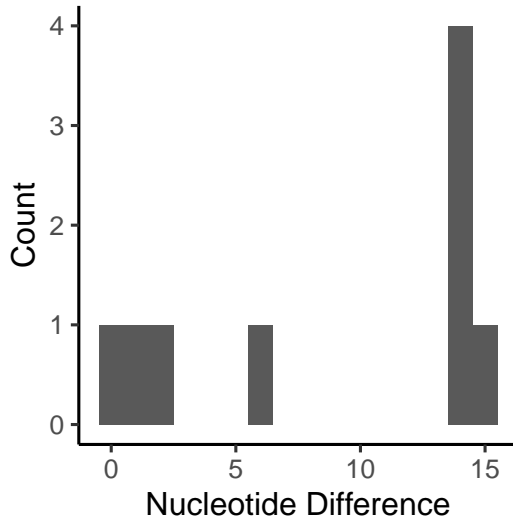
IGHV3-74*01

94 sequences assigned
5 (5.3%) exact matches, in which:
3 unique CDR3
3 unique J



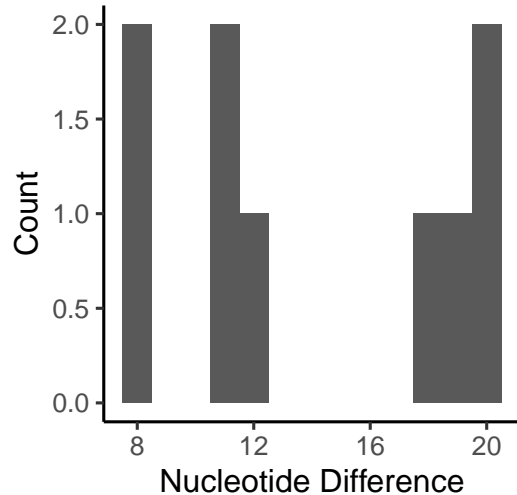
IGHV4-30-2*01

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



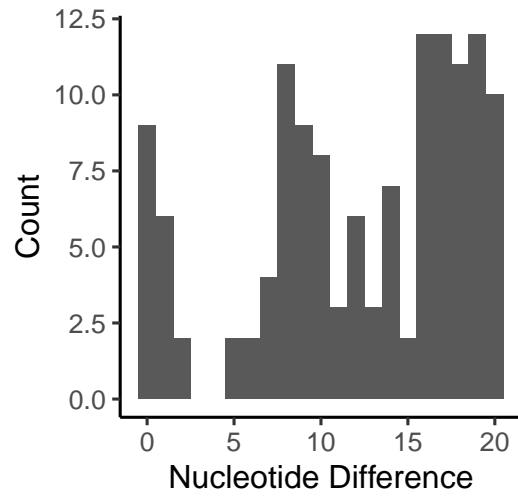
IGHV4-34*02

62 sequences assigned
No exact matches.



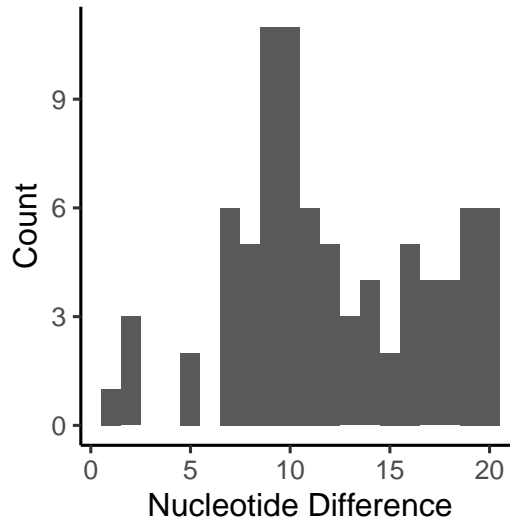
IGHV4–39*01

482 sequences assigned
9 (1.9%) exact matches, in which:
7 unique CDR3
3 unique J



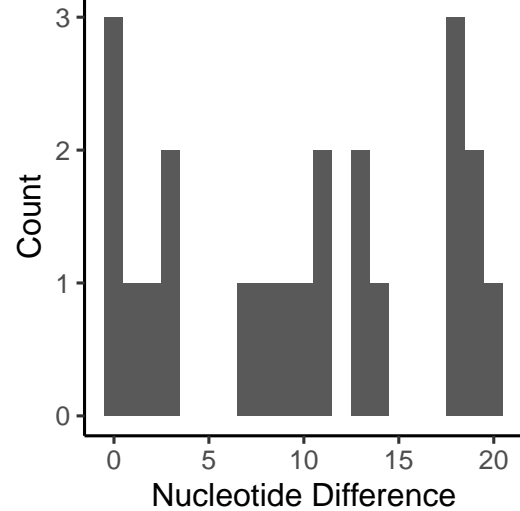
IGHV4–61*02

146 sequences assigned
No exact matches.



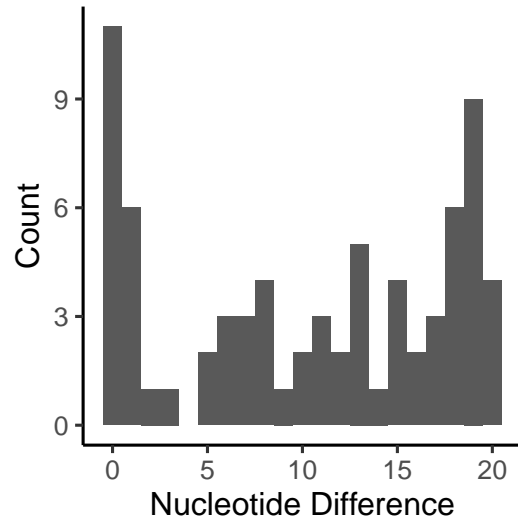
IGHV6–1*01

25 sequences assigned
3 (12%) exact matches, in which:
3 unique CDR3
3 unique J



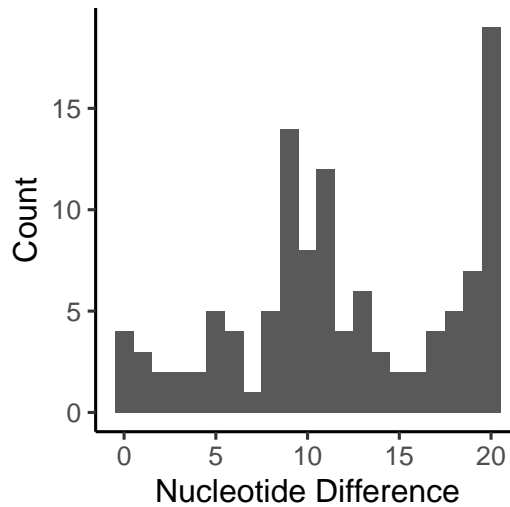
IGHV4–59*01

135 sequences assigned
11 (8.1%) exact matches, in which:
11 unique CDR3
4 unique J



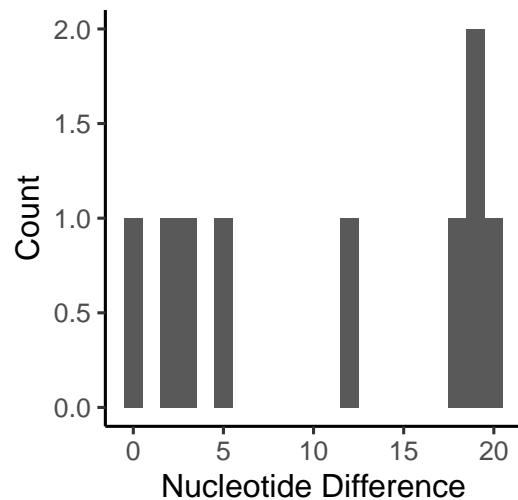
IGHV5–51*01

183 sequences assigned
4 (2.2%) exact matches, in which:
2 unique CDR3
2 unique J



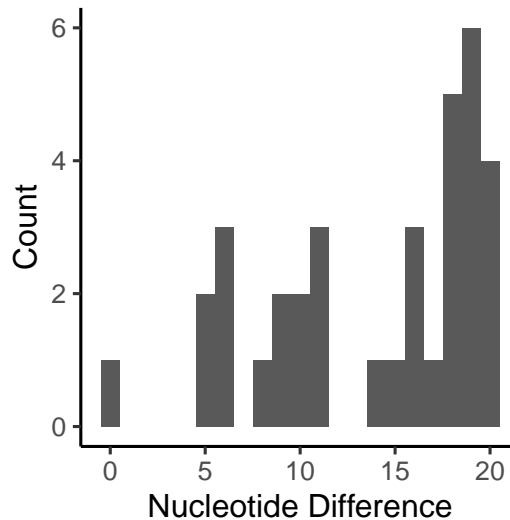
IGHV4–61*01

25 sequences assigned
1 (4%) exact matches, in which:
1 unique CDR3
1 unique J

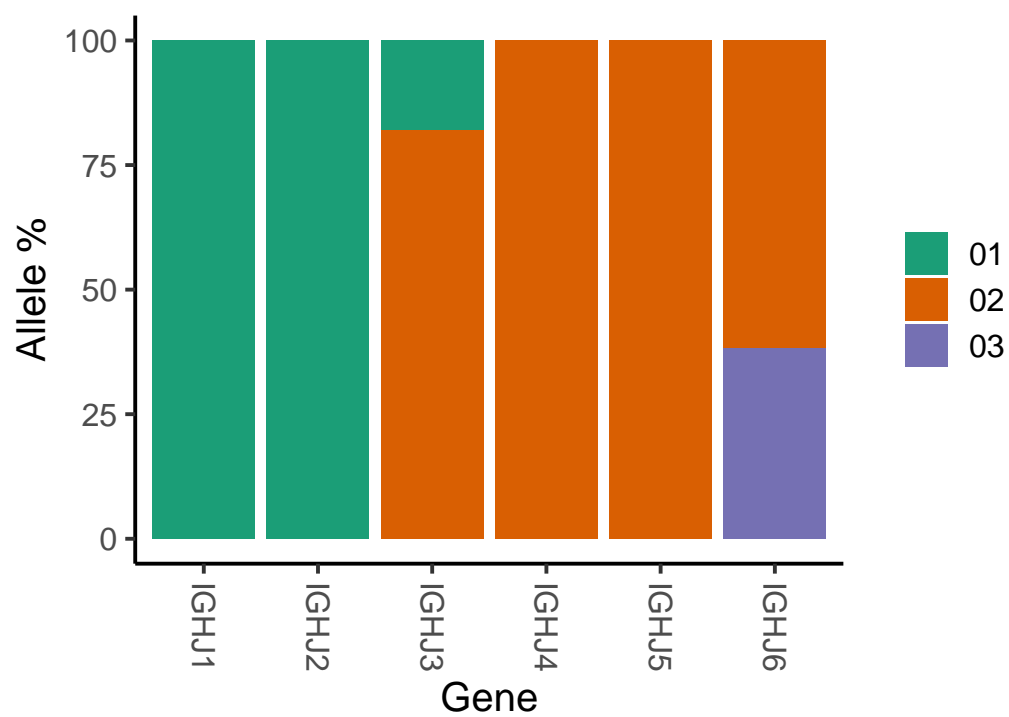


IGHV5–51*03

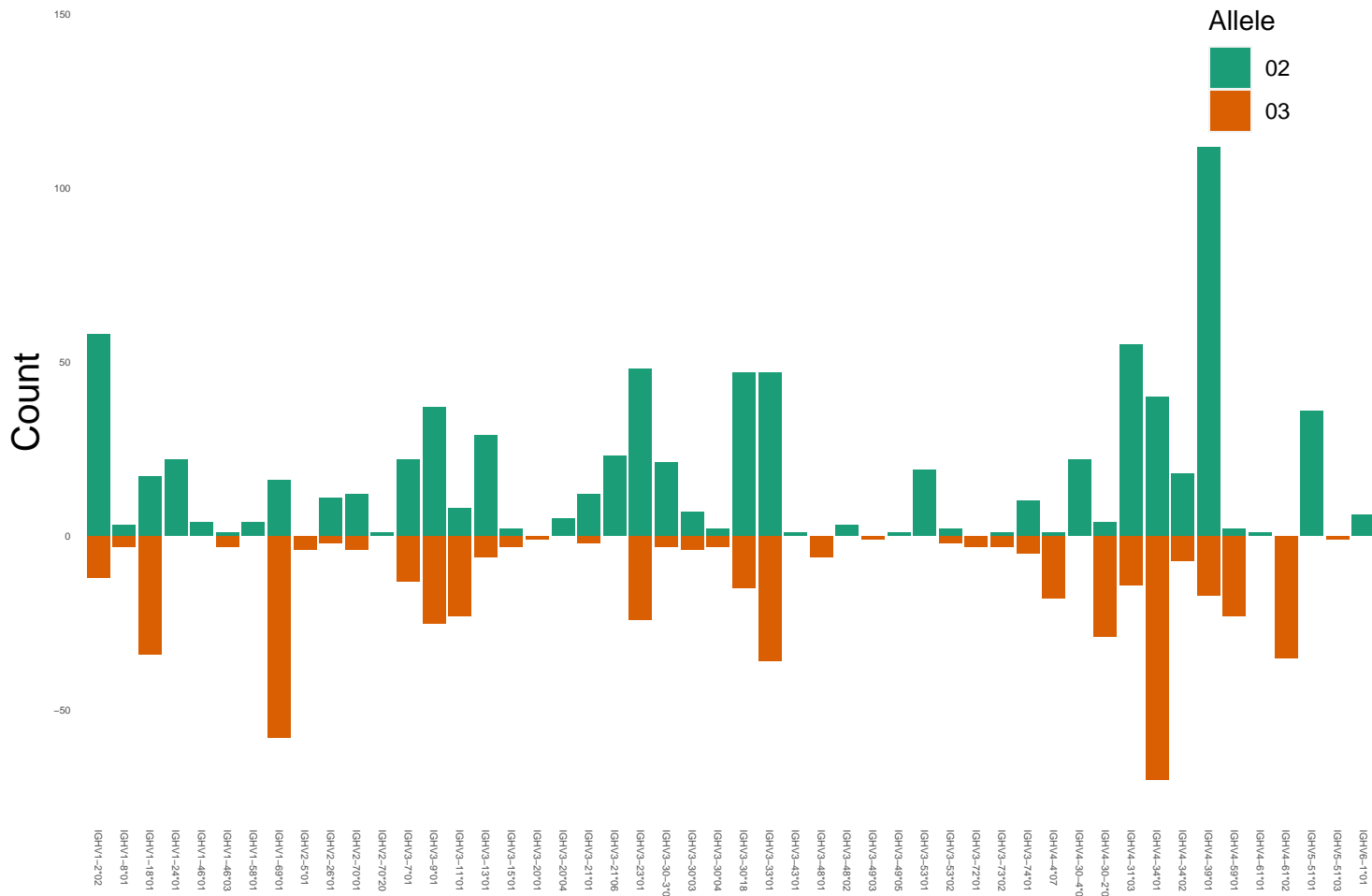
59 sequences assigned
1 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.