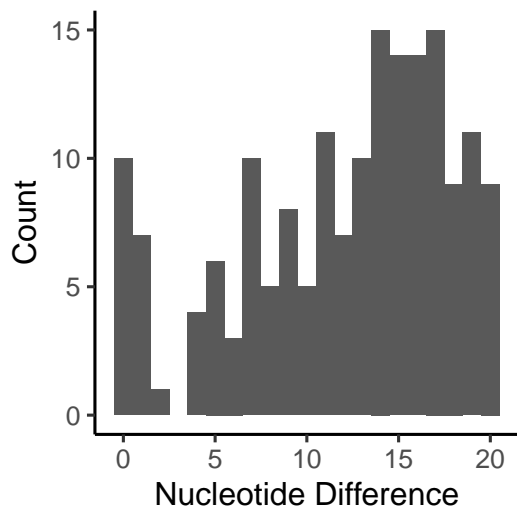


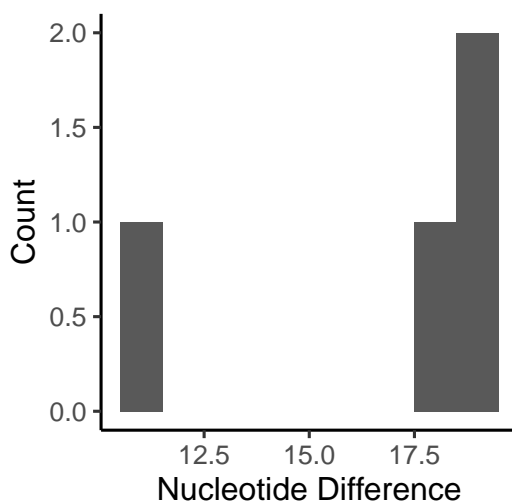
IGHV1-2*02

437 sequences assigned
10 (2.3%) exact matches, in which:
10 unique CDR3
4 unique J



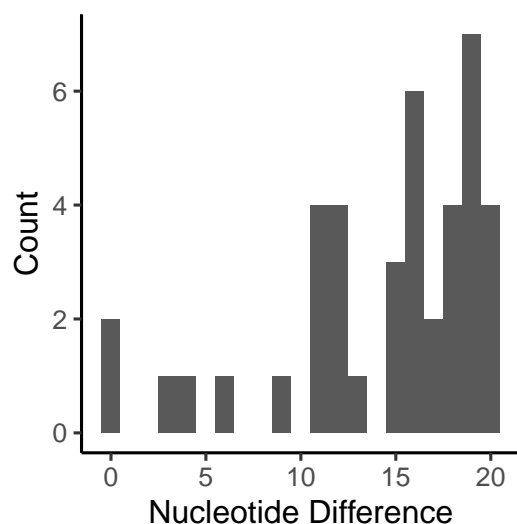
IGHV1-8*02

6 sequences assigned
No exact matches.



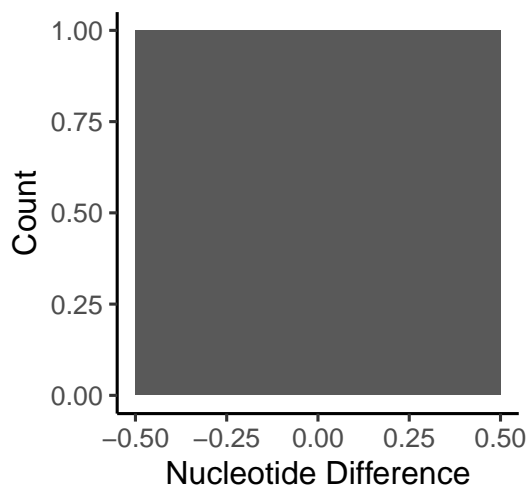
IGHV1-46*01

111 sequences assigned
2 (1.8%) exact matches, in which:
2 unique CDR3
1 unique J



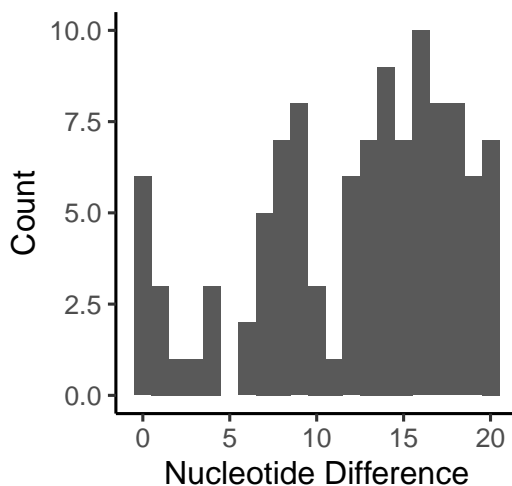
IGHV1-3*01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



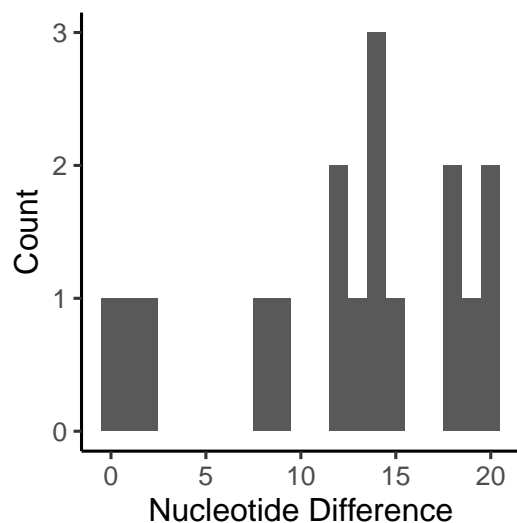
IGHV1-18*01

255 sequences assigned
6 (2.4%) exact matches, in which:
6 unique CDR3
4 unique J



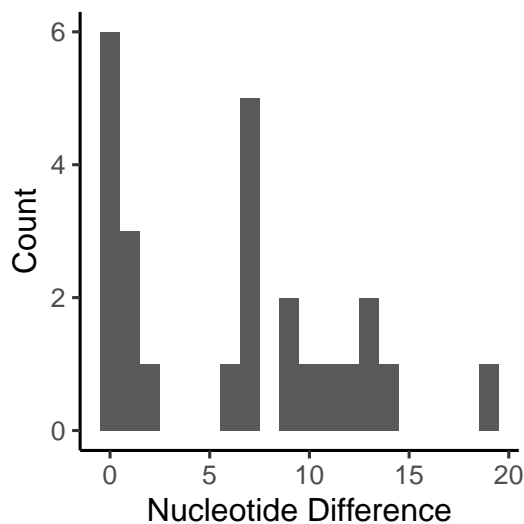
IGHV1-46*03

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



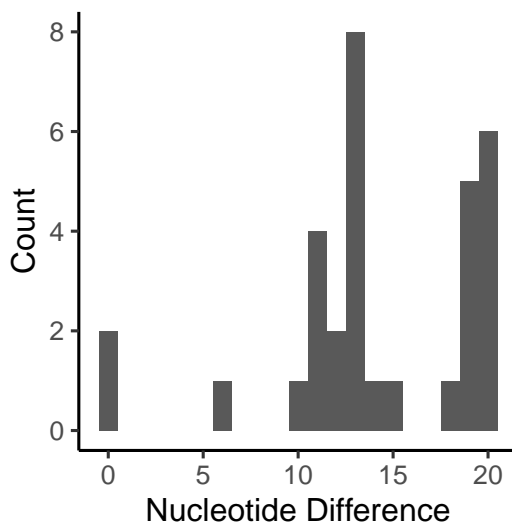
IGHV1-8*01

49 sequences assigned
6 (12.2%) exact matches, in which:
6 unique CDR3
3 unique J



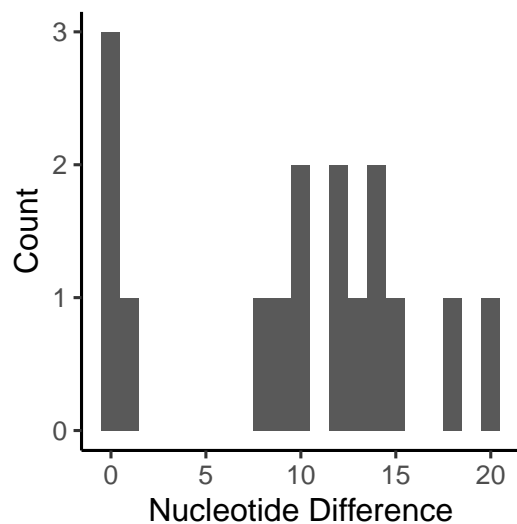
IGHV1-24*01

48 sequences assigned
2 (4.2%) exact matches, in which:
2 unique CDR3
1 unique J



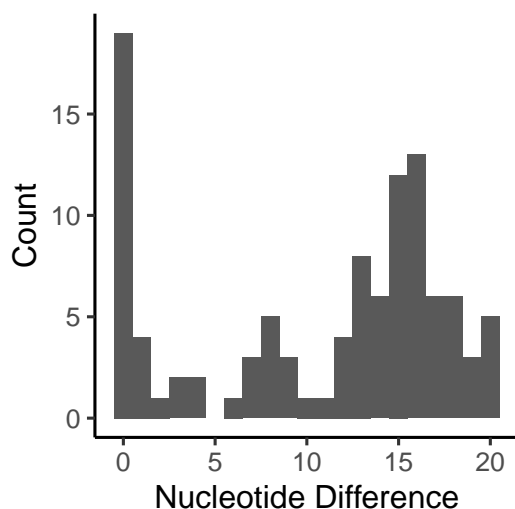
IGHV1-58*01

18 sequences assigned
3 (16.7%) exact matches, in which:
2 unique CDR3
2 unique J



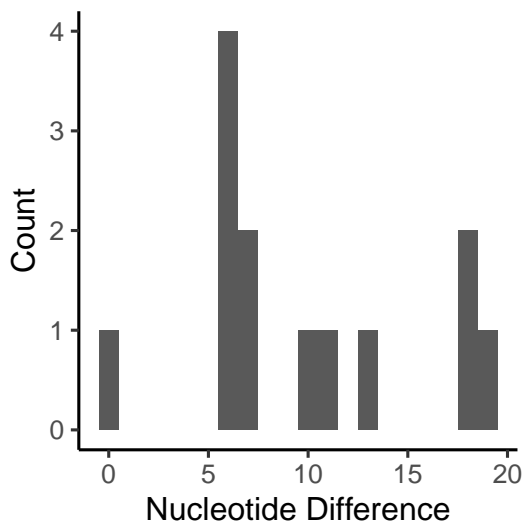
IGHV1-69*01

217 sequences assigned
19 (8.8%) exact matches, in which:
19 unique CDR3
5 unique J



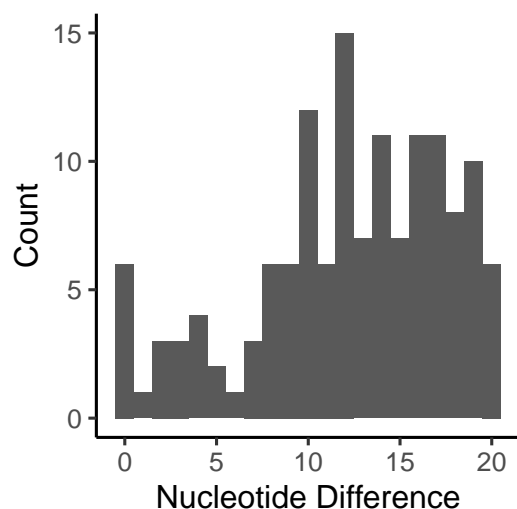
IGHV2-70*01

23 sequences assigned
1 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



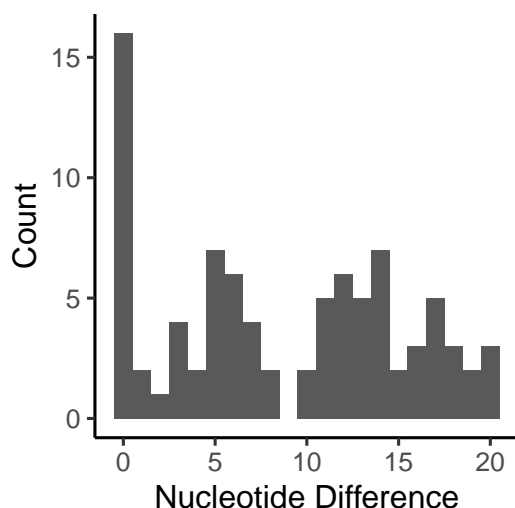
IGHV3-7*01

210 sequences assigned
6 (2.9%) exact matches, in which:
6 unique CDR3
4 unique J



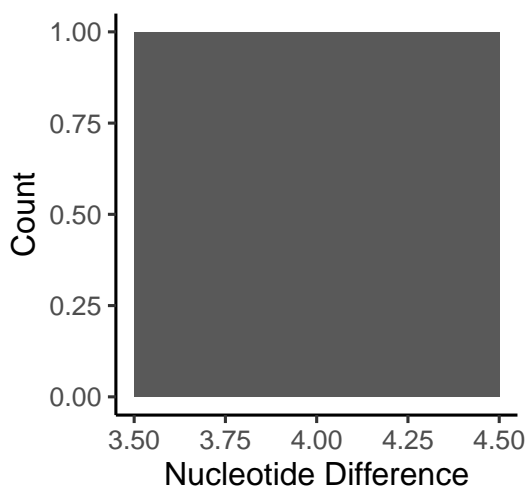
IGHV2-5*01

222 sequences assigned
16 (7.2%) exact matches, in which:
16 unique CDR3
4 unique J



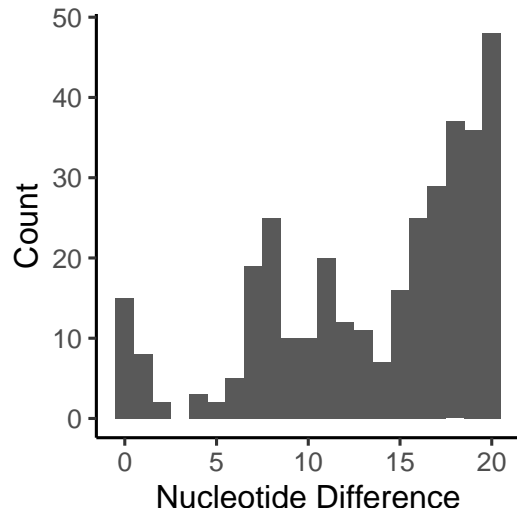
IGHV2-70*13

10 sequences assigned
No exact matches.



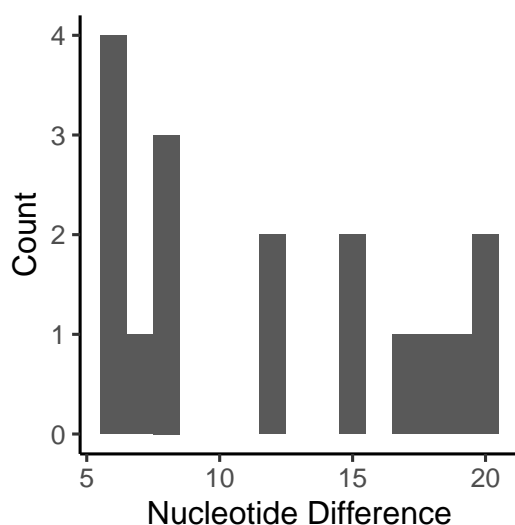
IGHV3-9*01

662 sequences assigned
15 (2.3%) exact matches, in which:
15 unique CDR3
5 unique J



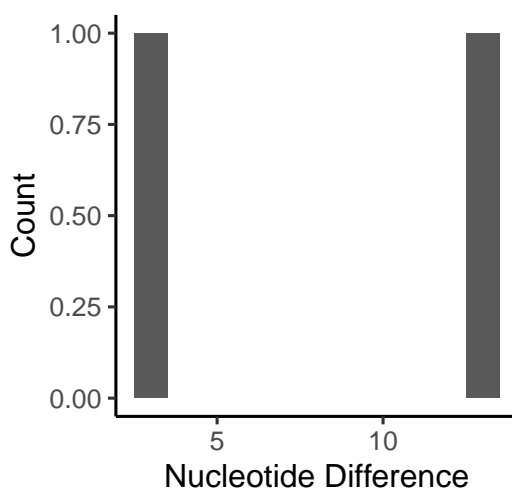
IGHV2-26*01

46 sequences assigned
No exact matches.



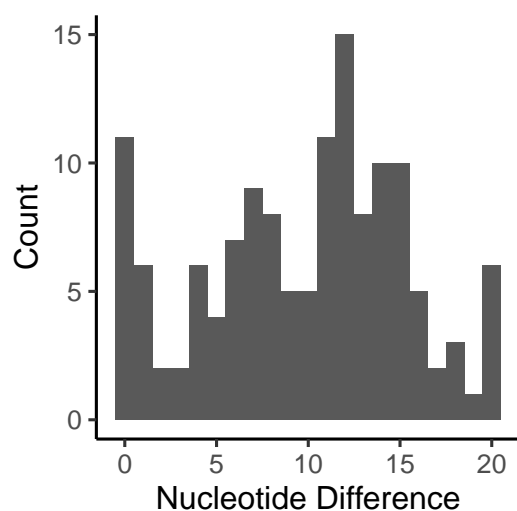
IGHV2-70*20

5 sequences assigned
No exact matches.



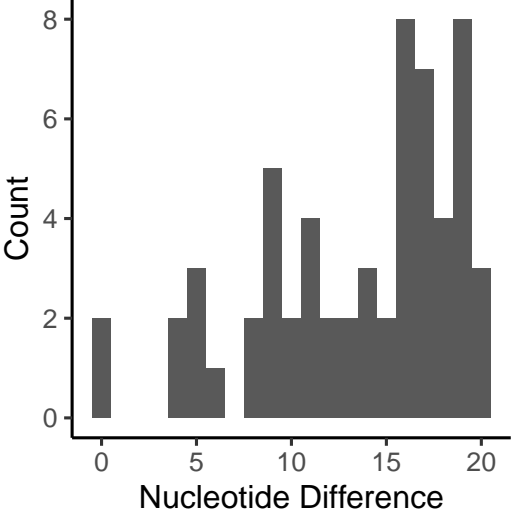
IGHV3-11*01

303 sequences assigned
11 (3.6%) exact matches, in which:
11 unique CDR3
4 unique J



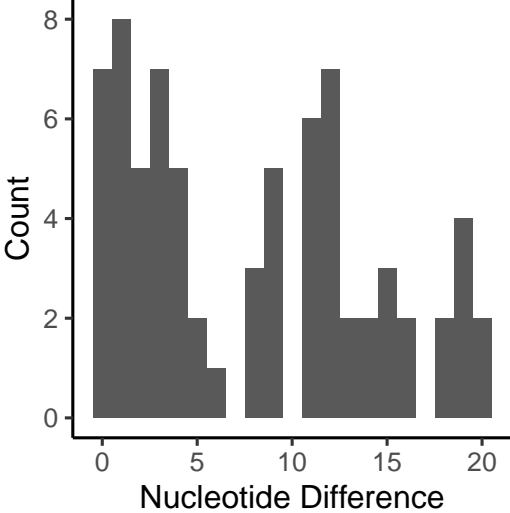
IGHV3-13*01

76 sequences assigned
2 (2.6%) exact matches, in which:
2 unique CDR3
2 unique J



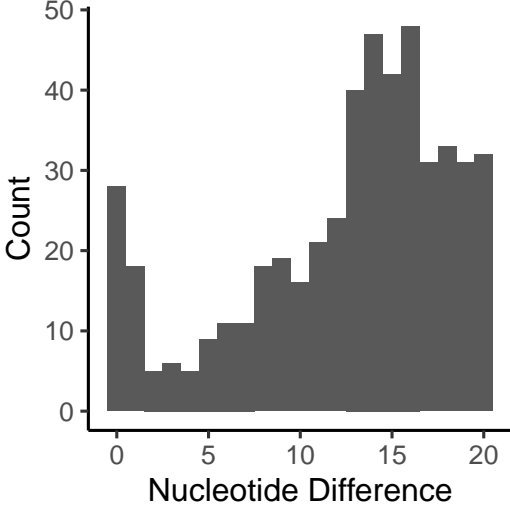
IGHV3-21*01

111 sequences assigned
7 (6.3%) exact matches, in which:
7 unique CDR3
2 unique J



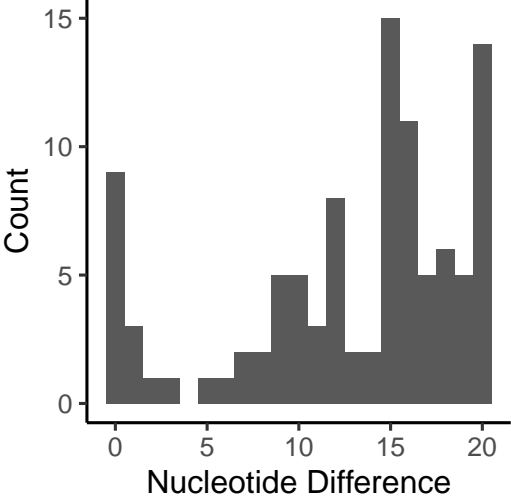
IGHV3-23*01

1270 sequences assigned
28 (2.2%) exact matches, in which:
27 unique CDR3
7 unique J



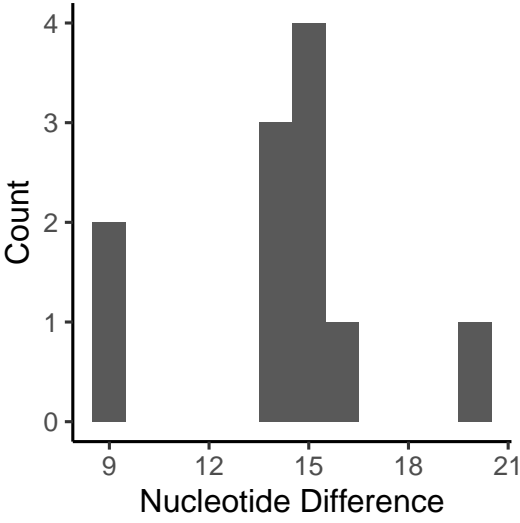
IGHV3-15*01

307 sequences assigned
9 (2.9%) exact matches, in which:
7 unique CDR3
2 unique J



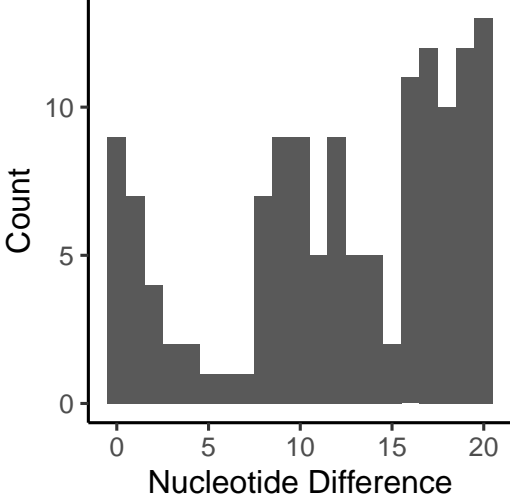
IGHV3-21*02

29 sequences assigned
No exact matches.



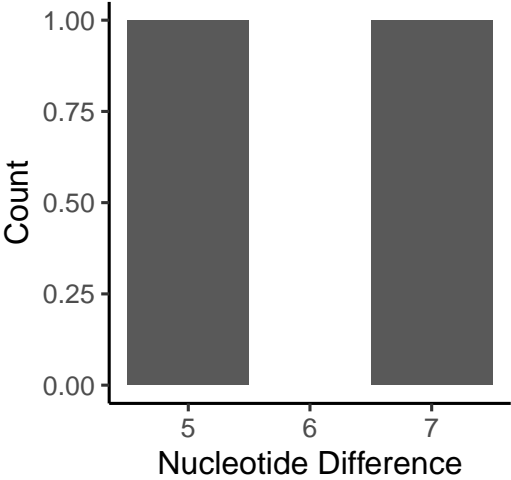
IGHV3-30-3*01

389 sequences assigned
9 (2.3%) exact matches, in which:
9 unique CDR3
4 unique J



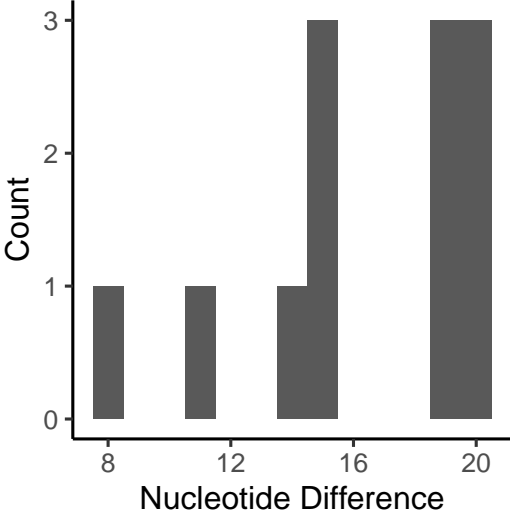
IGHV3-20*01

2 sequences assigned
No exact matches.



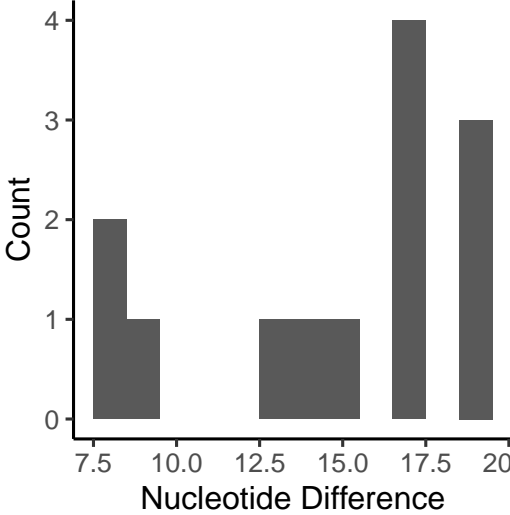
IGHV3-21*06

91 sequences assigned
No exact matches.



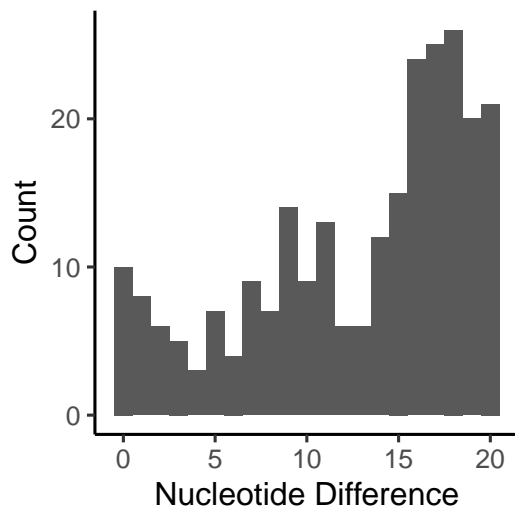
IGHV3-30*04

49 sequences assigned
No exact matches.



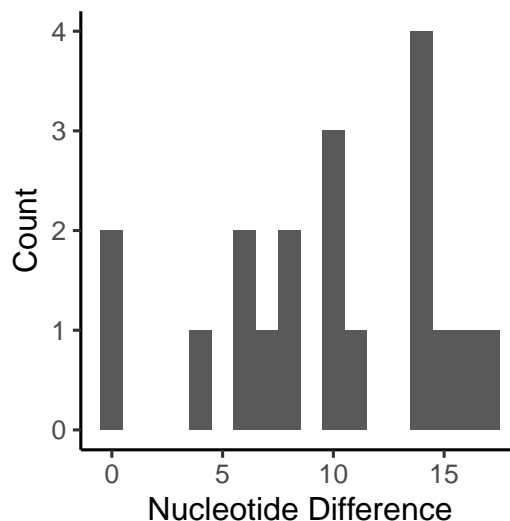
IGHV3–30*18

453 sequences assigned
10 (2.2%) exact matches, in which:
9 unique CDR3
4 unique J



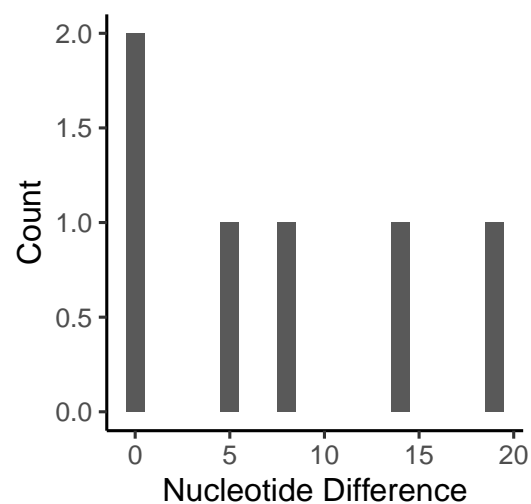
IGHV3–48*01

32 sequences assigned
2 (6.2%) exact matches, in which:
2 unique CDR3
1 unique J



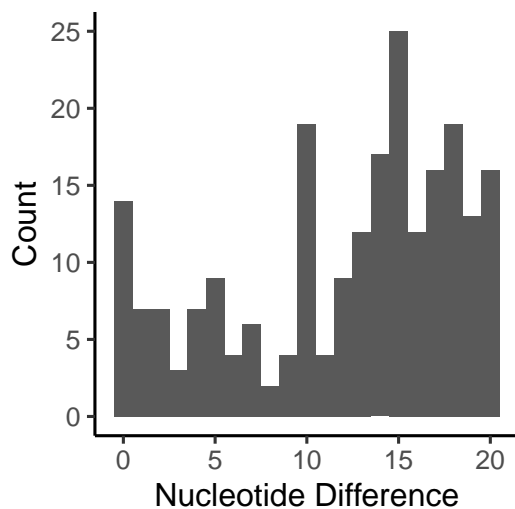
IGHV3–49*05

22 sequences assigned
2 (9.1%) exact matches, in which:
2 unique CDR3
1 unique J



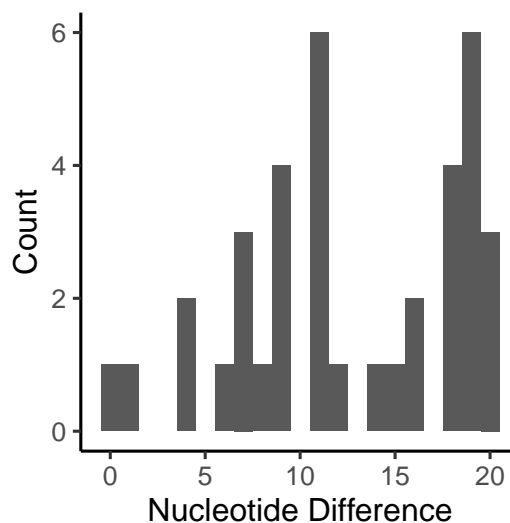
IGHV3–33*01

456 sequences assigned
14 (3.1%) exact matches, in which:
14 unique CDR3
5 unique J



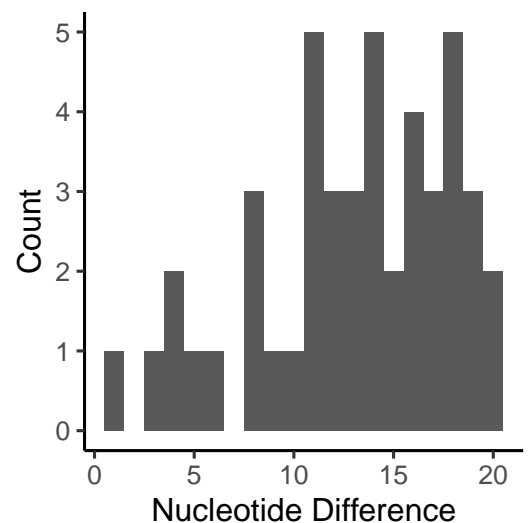
IGHV3–48*02

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



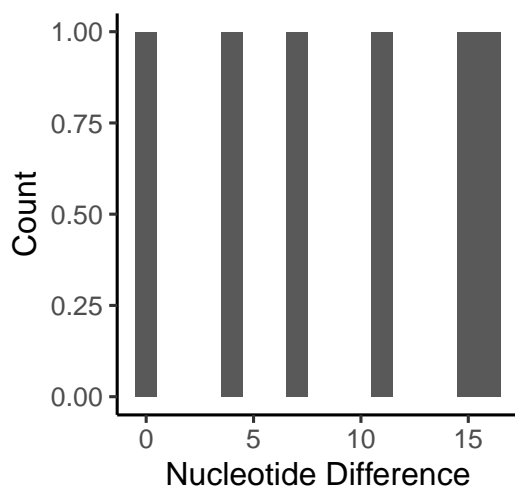
IGHV3–53*01

96 sequences assigned
No exact matches.



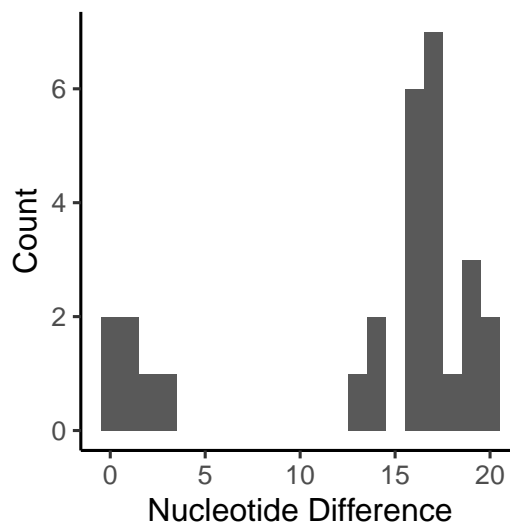
IGHV3–43*01

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



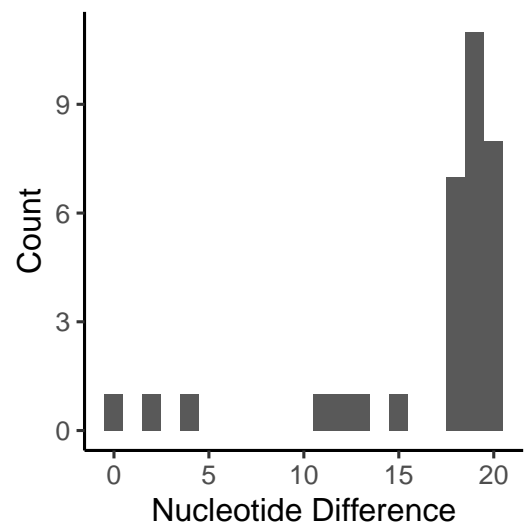
IGHV3–49*03

31 sequences assigned
2 (6.5%) exact matches, in which:
1 unique CDR3
1 unique J



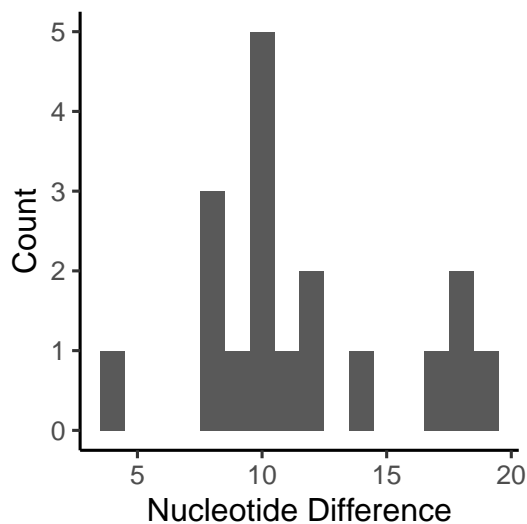
IGHV3–53*02

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



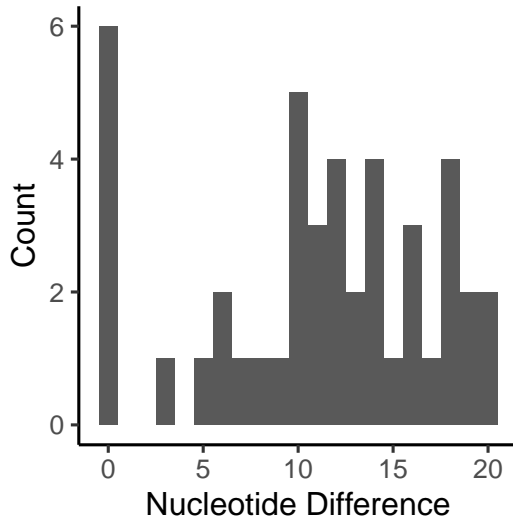
IGHV3-72*01

33 sequences assigned
No exact matches.



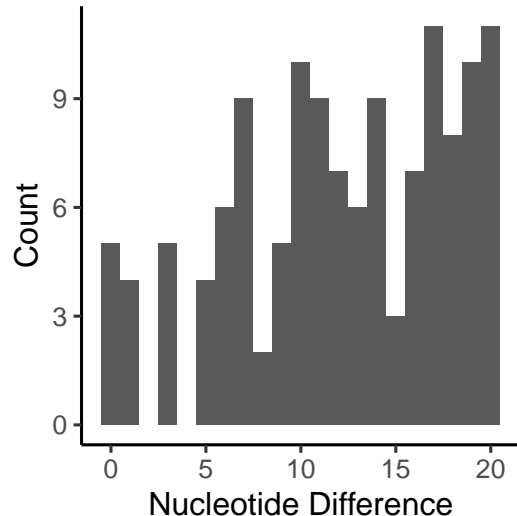
IGHV4-4*07

113 sequences assigned
6 (5.3%) exact matches, in which:
5 unique CDR3
2 unique J



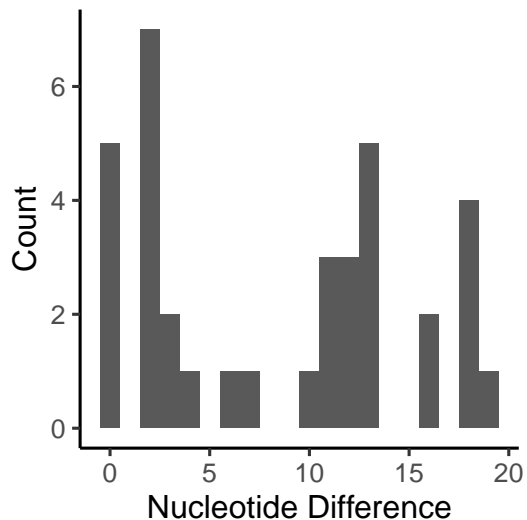
IGHV4-31*03

277 sequences assigned
5 (1.8%) exact matches, in which:
4 unique CDR3
2 unique J



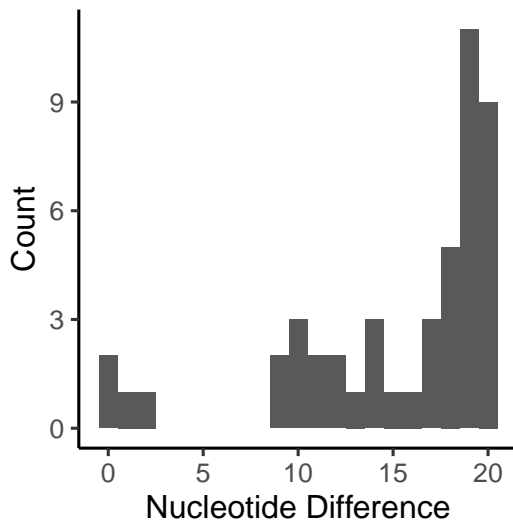
IGHV3-73*02

133 sequences assigned
5 (3.8%) exact matches, in which:
3 unique CDR3
2 unique J



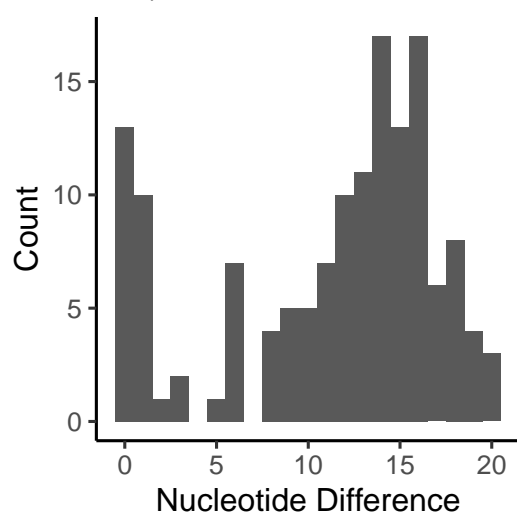
IGHV4-30-4*01

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



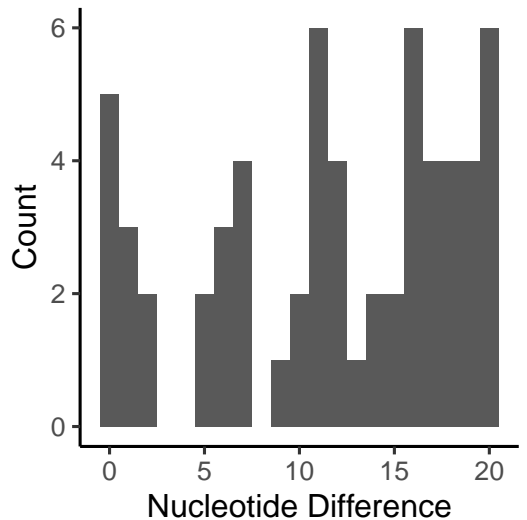
IGHV4-34*01

274 sequences assigned
13 (4.7%) exact matches, in which:
13 unique CDR3
4 unique J



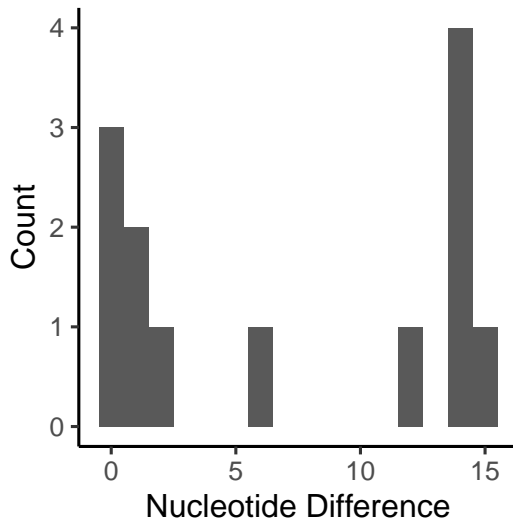
IGHV3-74*01

99 sequences assigned
5 (5.1%) exact matches, in which:
3 unique CDR3
3 unique J



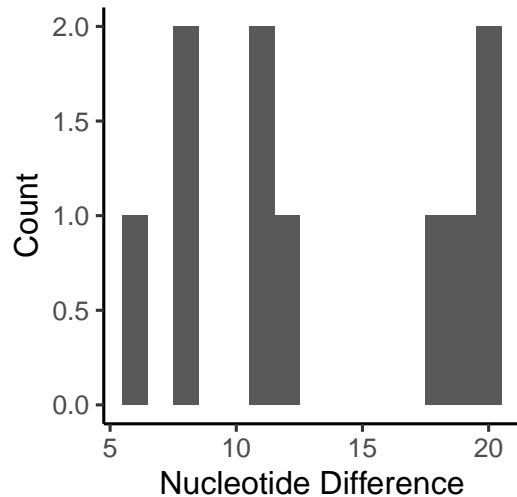
IGHV4-30-2*01

53 sequences assigned
3 (5.7%) exact matches, in which:
3 unique CDR3
2 unique J



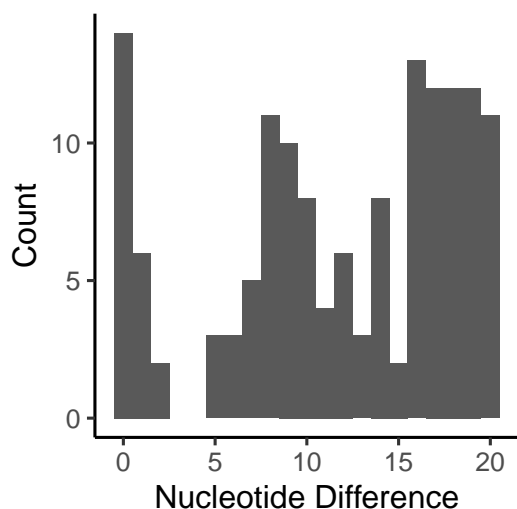
IGHV4-34*02

69 sequences assigned
No exact matches.



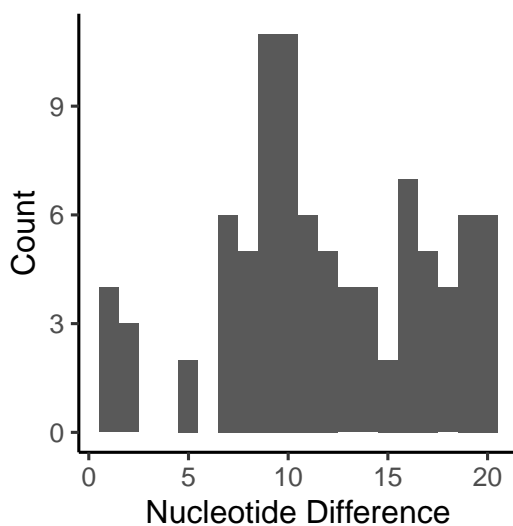
IGHV4-39*01

499 sequences assigned
14 (2.8%) exact matches, in which:
12 unique CDR3
4 unique J



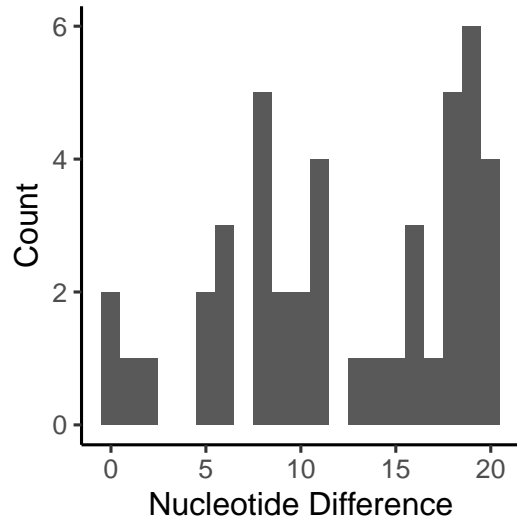
IGHV4-61*02

155 sequences assigned
No exact matches.



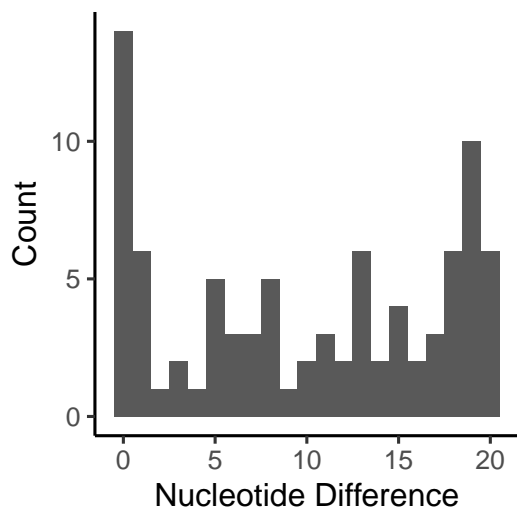
IGHV5-51*03

69 sequences assigned
2 (2.9%) exact matches, in which:
2 unique CDR3
1 unique J



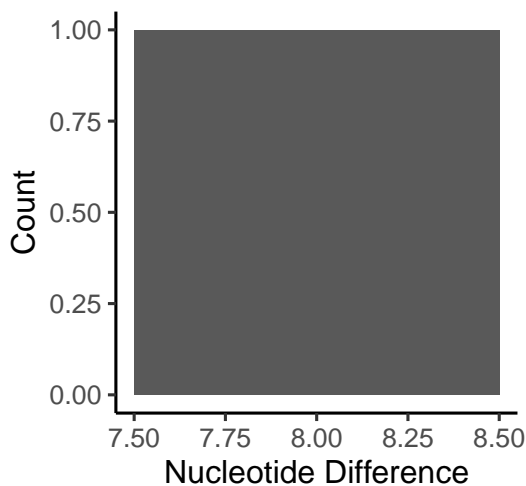
IGHV4-59*01

150 sequences assigned
14 (9.3%) exact matches, in which:
14 unique CDR3
5 unique J



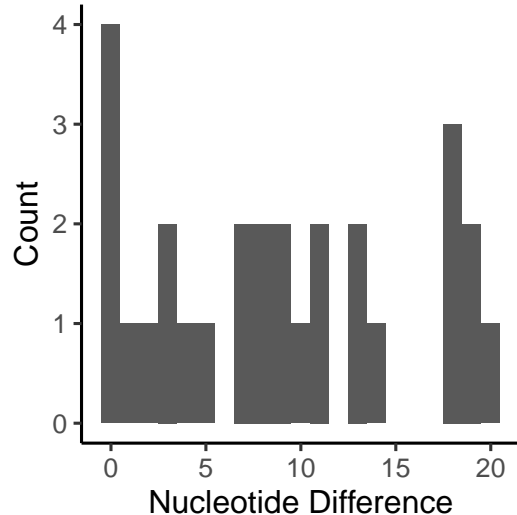
IGHV5-10-1*03

2 sequences assigned
No exact matches.



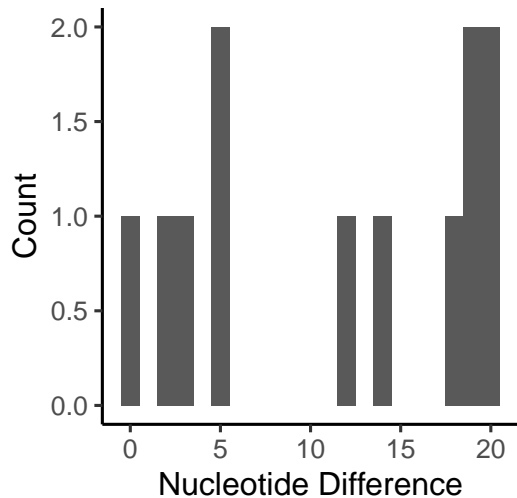
IGHV6-1*01

31 sequences assigned
4 (12.9%) exact matches, in which:
4 unique CDR3
3 unique J



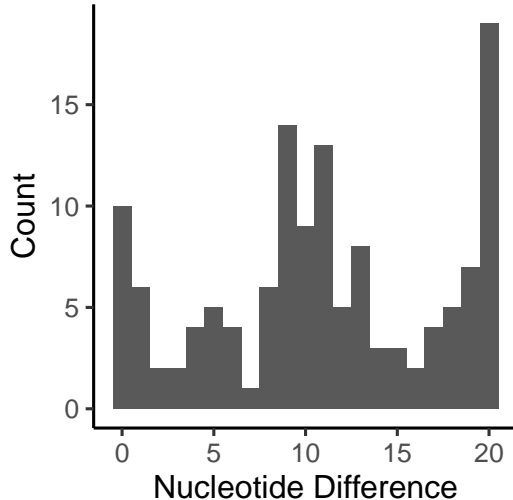
IGHV4-61*01

28 sequences assigned
1 (3.6%) exact matches, in which:
1 unique CDR3
1 unique J

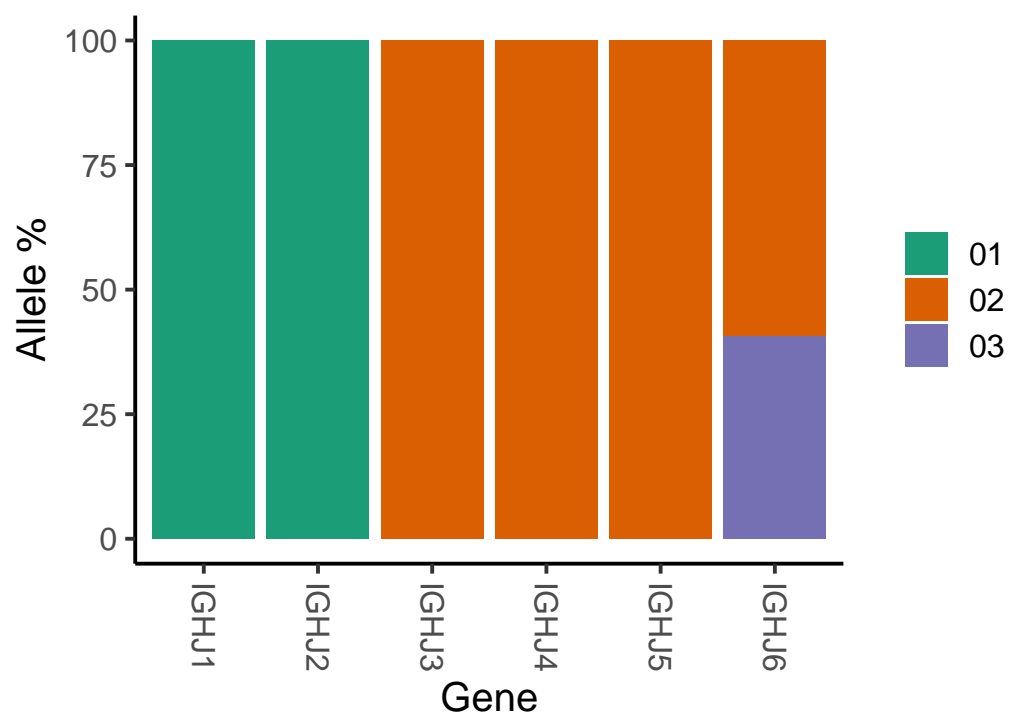


IGHV5-51*01

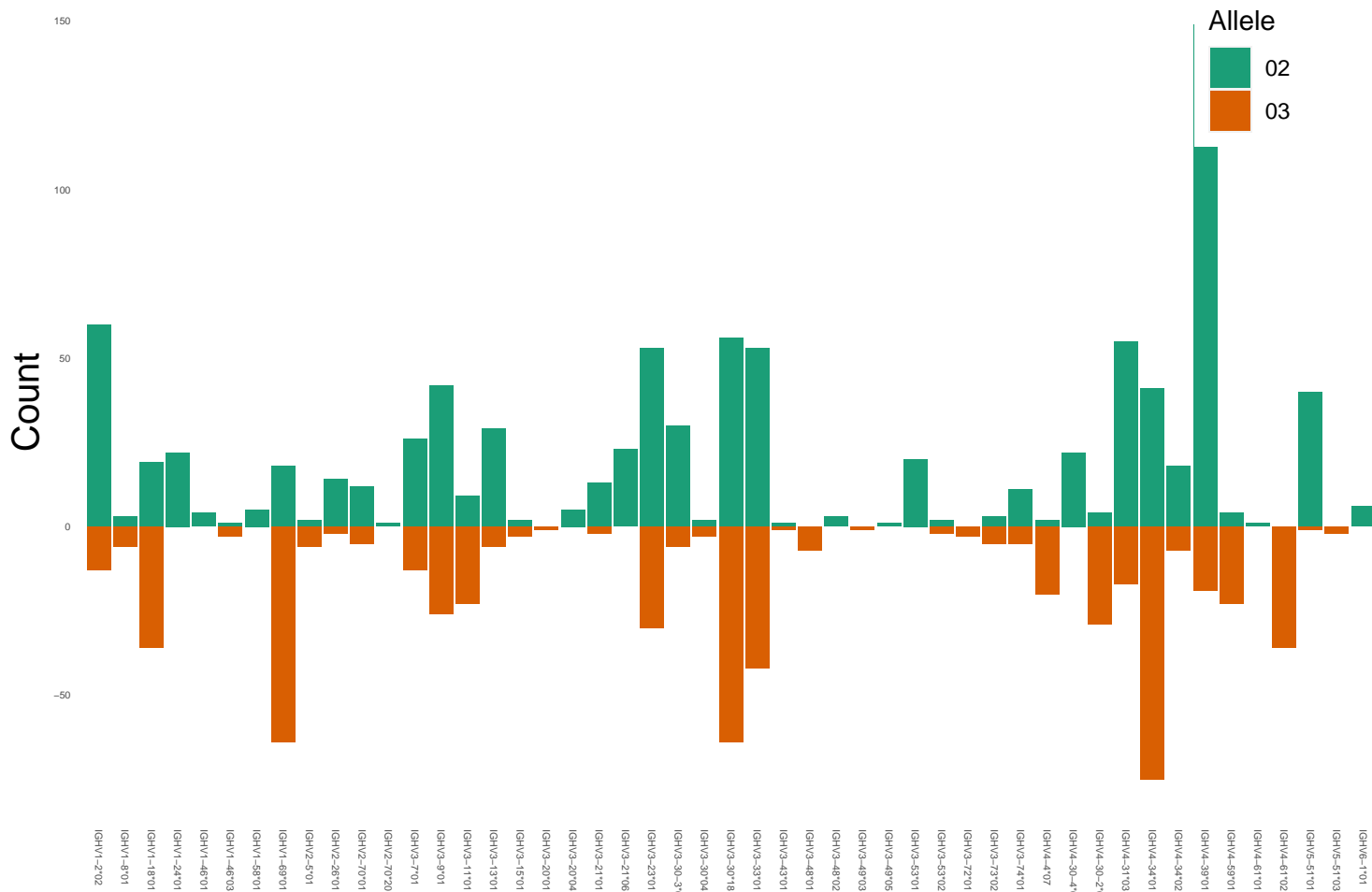
205 sequences assigned
10 (4.9%) exact matches, in which:
8 unique CDR3
3 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.