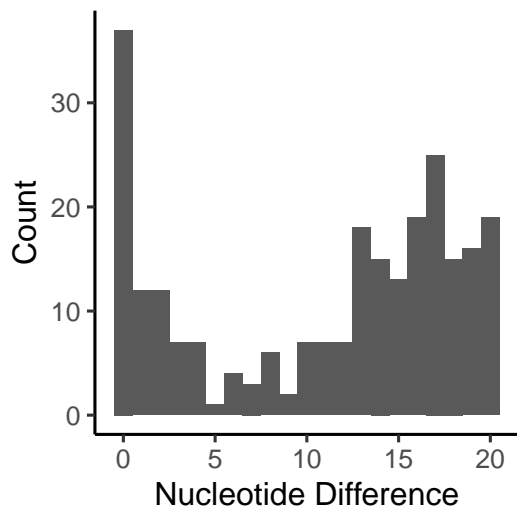


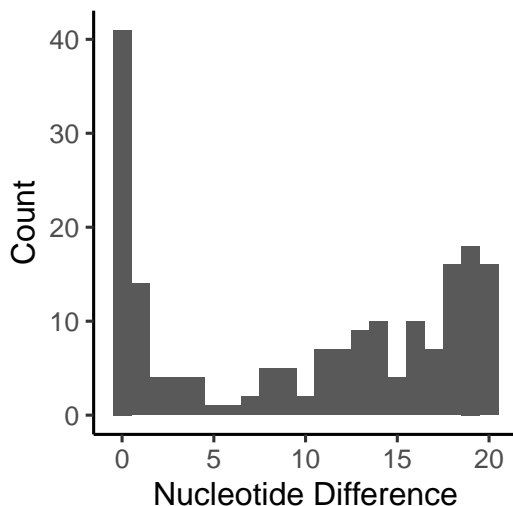
IGHV1-2*06

577 sequences assigned
37 (6.4%) exact matches, in which:
37 unique CDR3
4 unique J



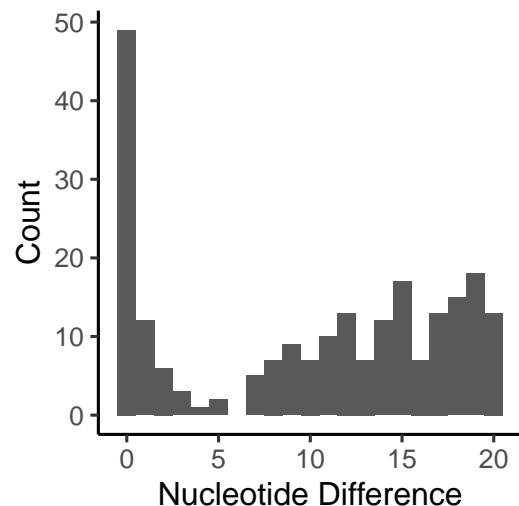
IGHV1-18*01

467 sequences assigned
41 (8.8%) exact matches, in which:
41 unique CDR3
7 unique J



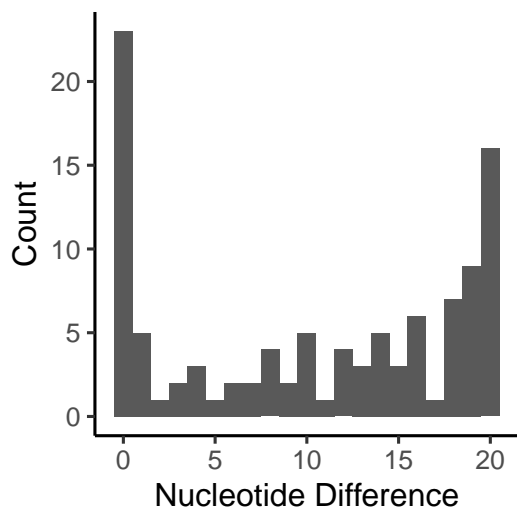
IGHV1-46*01

562 sequences assigned
49 (8.7%) exact matches, in which:
49 unique CDR3
6 unique J



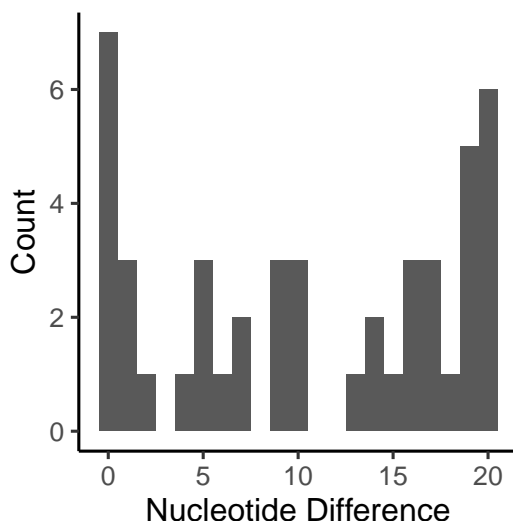
IGHV1-3*01

265 sequences assigned
23 (8.7%) exact matches, in which:
23 unique CDR3
5 unique J



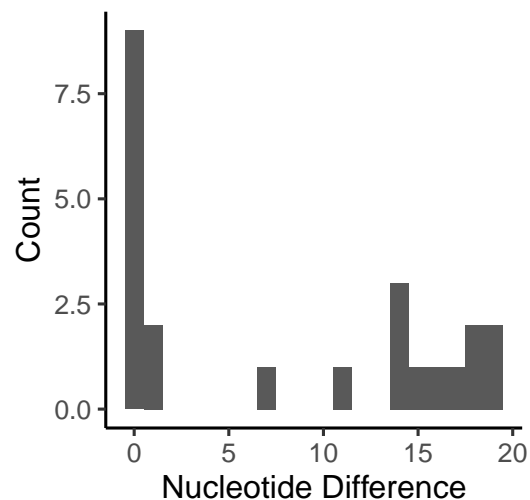
IGHV1-24*01

72 sequences assigned
7 (9.7%) exact matches, in which:
7 unique CDR3
4 unique J



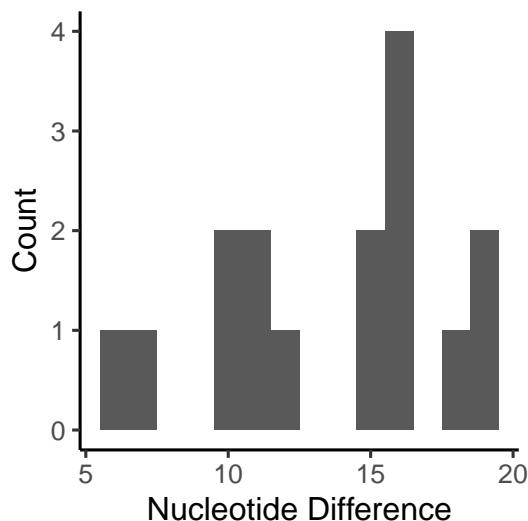
IGHV1-58*01

46 sequences assigned
9 (19.6%) exact matches, in which:
9 unique CDR3
3 unique J



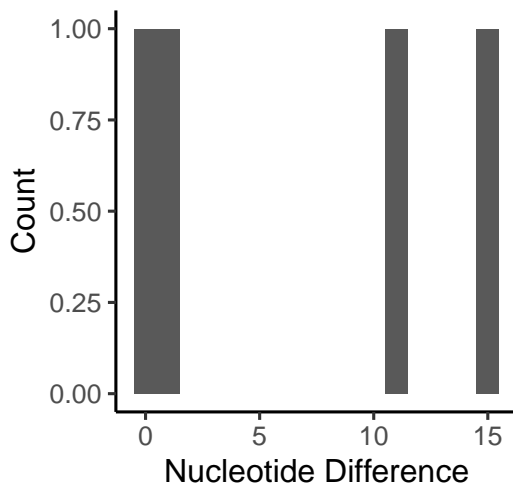
IGHV1-3*04

55 sequences assigned
No exact matches.



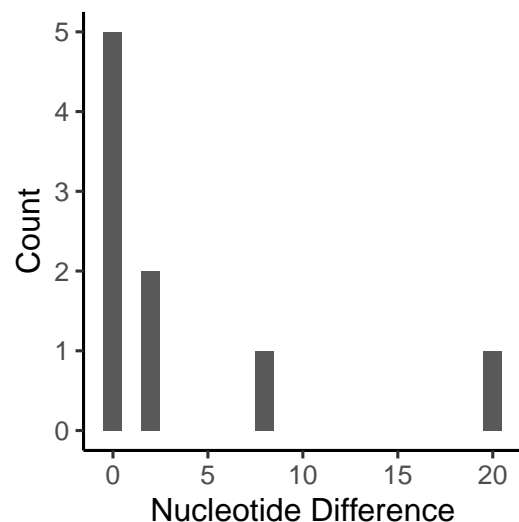
IGHV1-45*02

7 sequences assigned
1 (14.3%) exact matches, in which:
1 unique CDR3
1 unique J



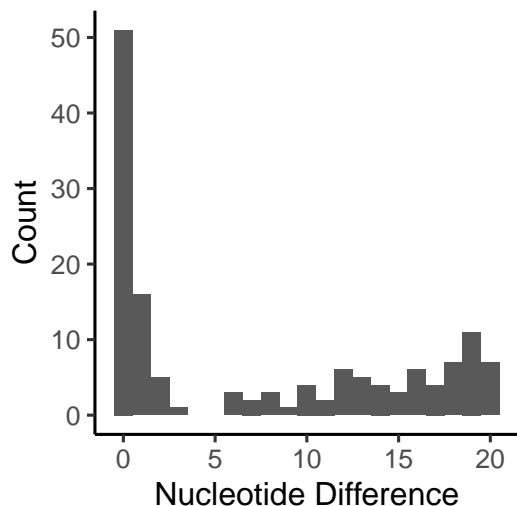
IGHV1-69-2*01

17 sequences assigned
5 (29.4%) exact matches, in which:
5 unique CDR3
3 unique J



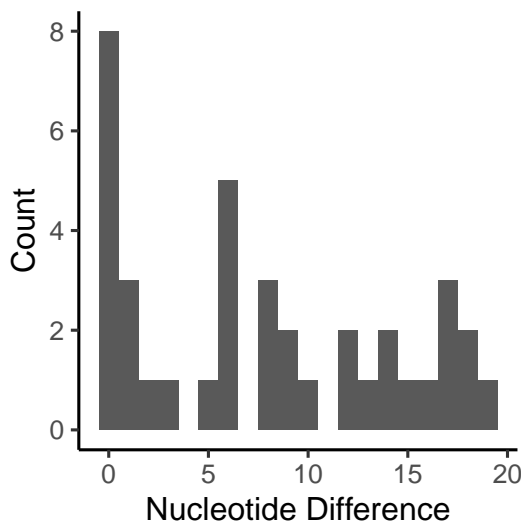
IGHV1-69*06

297 sequences assigned
51 (17.2%) exact matches, in which:
51 unique CDR3
5 unique J



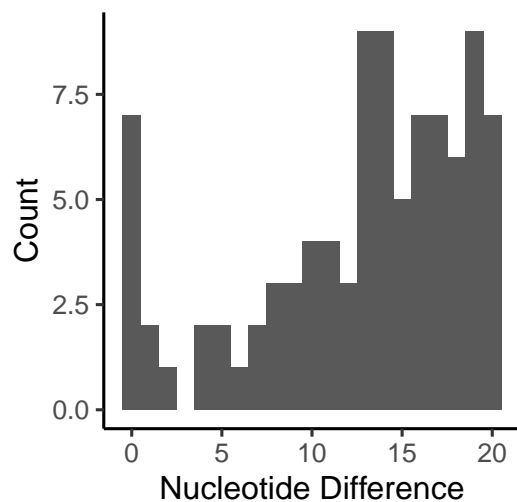
IGHV2-70*01

69 sequences assigned
8 (11.6%) exact matches, in which:
8 unique CDR3
5 unique J



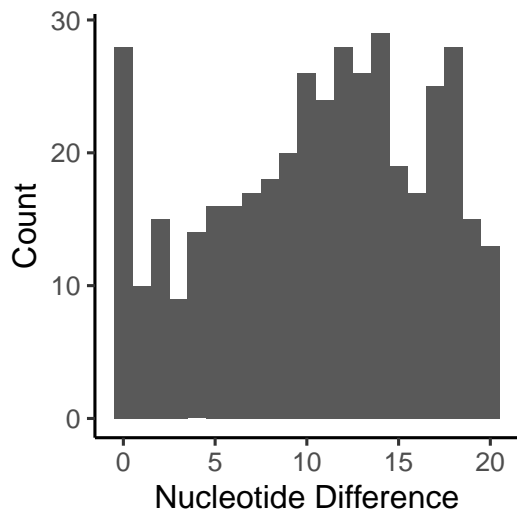
IGHV3-7*04

166 sequences assigned
7 (4.2%) exact matches, in which:
7 unique CDR3
4 unique J



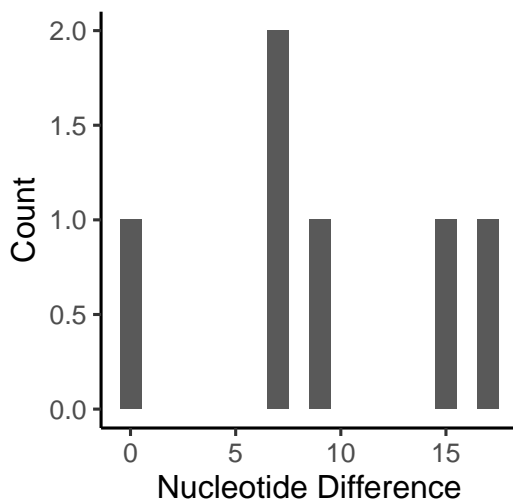
IGHV2-5*02

706 sequences assigned
28 (4%) exact matches, in which:
28 unique CDR3
5 unique J



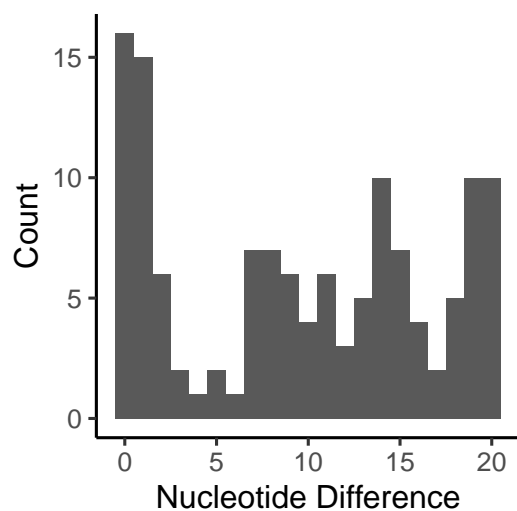
IGHV2-70*13

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



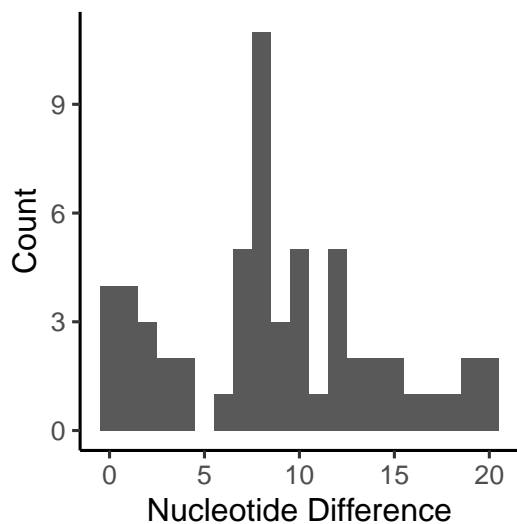
IGHV3-11*05

274 sequences assigned
16 (5.8%) exact matches, in which:
16 unique CDR3
3 unique J



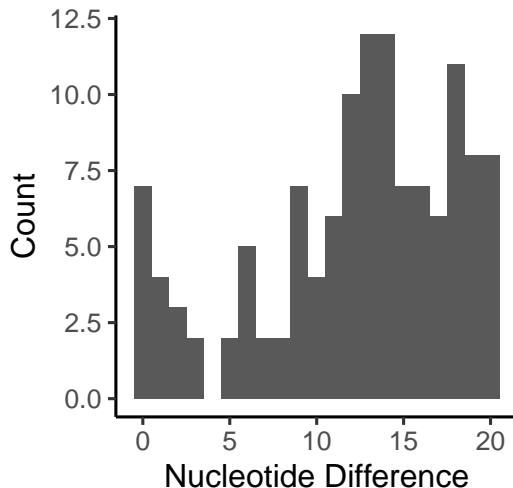
IGHV2-26*01

73 sequences assigned
4 (5.5%) exact matches, in which:
4 unique CDR3
3 unique J



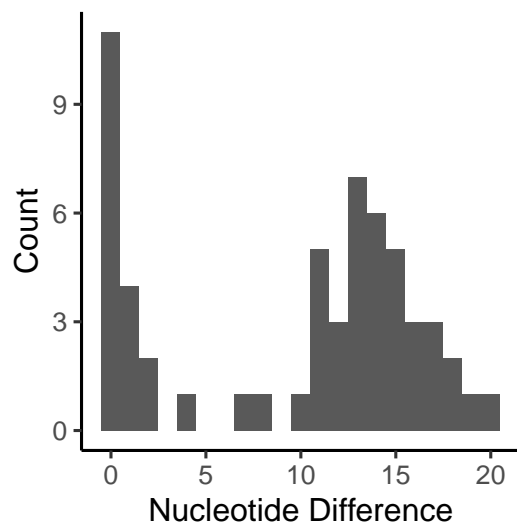
IGHV3-7*01

206 sequences assigned
7 (3.4%) exact matches, in which:
7 unique CDR3
4 unique J



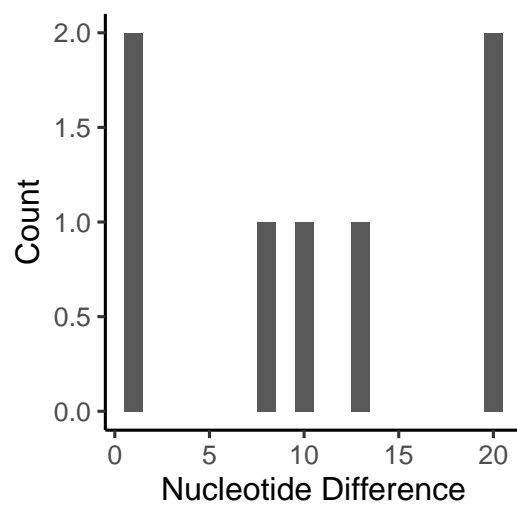
IGHV3-11*06

148 sequences assigned
11 (7.4%) exact matches, in which:
11 unique CDR3
2 unique J



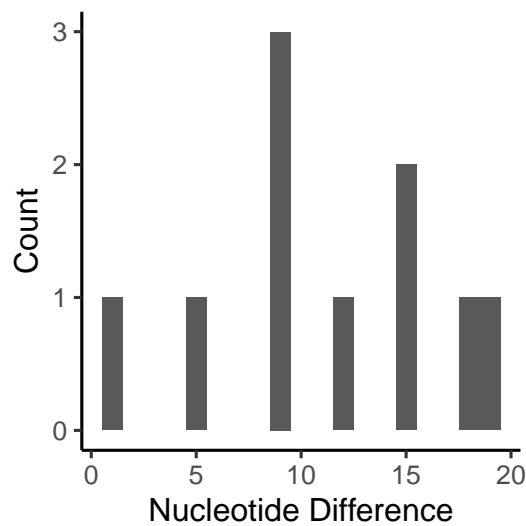
IGHV3-13*01

23 sequences assigned
No exact matches.



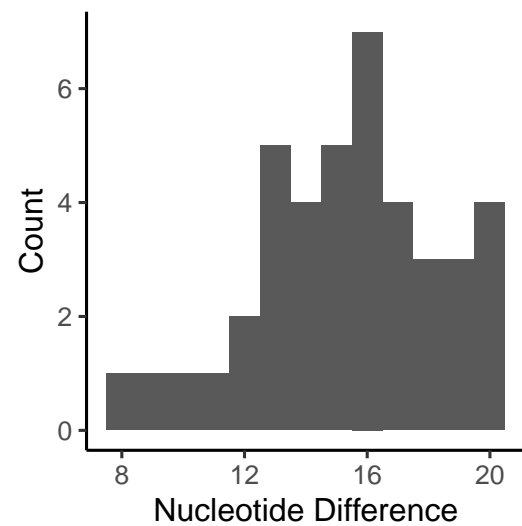
IGHV3-20*01

12 sequences assigned
No exact matches.



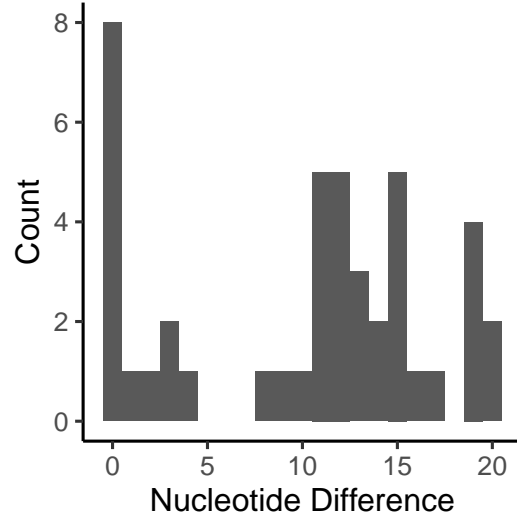
IGHV3-21*02

126 sequences assigned
No exact matches.



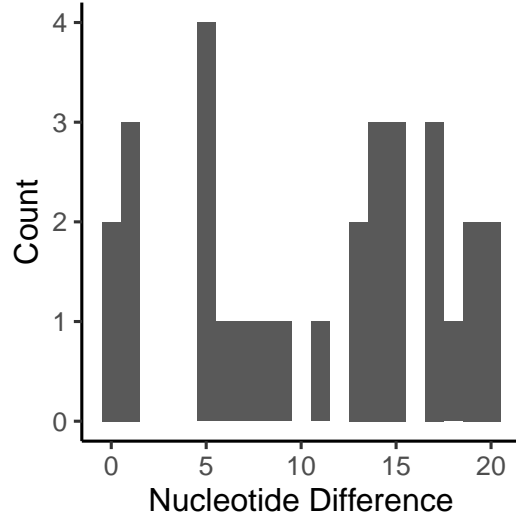
IGHV3-13*04

58 sequences assigned
8 (13.8%) exact matches, in which:
8 unique CDR3
4 unique J



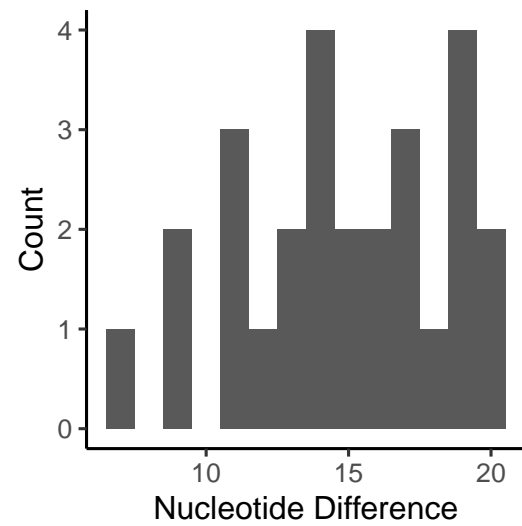
IGHV3-20*04

96 sequences assigned
2 (2.1%) exact matches, in which:
2 unique CDR3
2 unique J



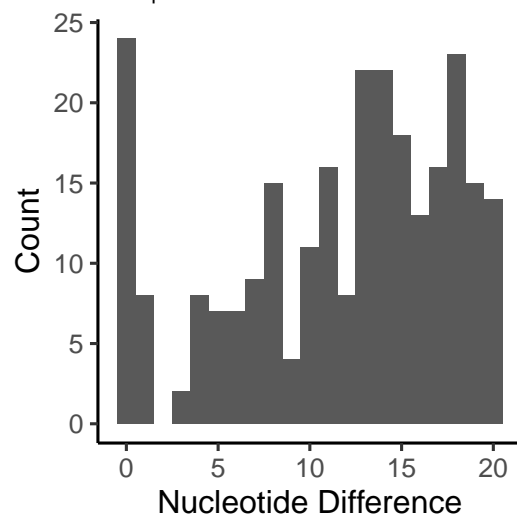
IGHV3-21*06

60 sequences assigned
No exact matches.



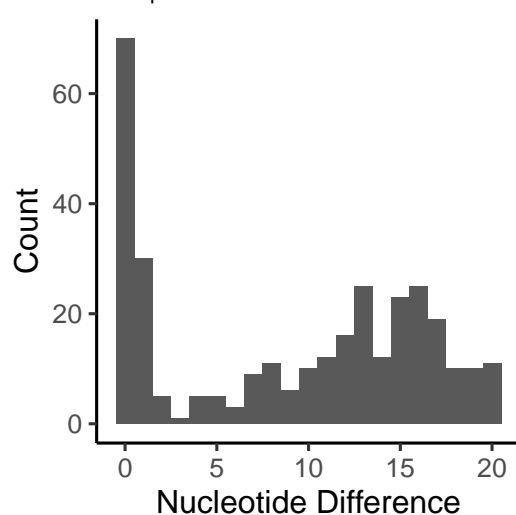
IGHV3-15*01

471 sequences assigned
24 (5.1%) exact matches, in which:
24 unique CDR3
6 unique J



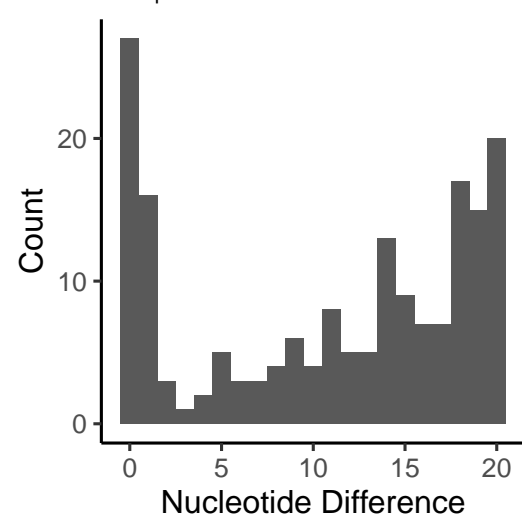
IGHV3-21*01

448 sequences assigned
70 (15.6%) exact matches, in which:
70 unique CDR3
6 unique J



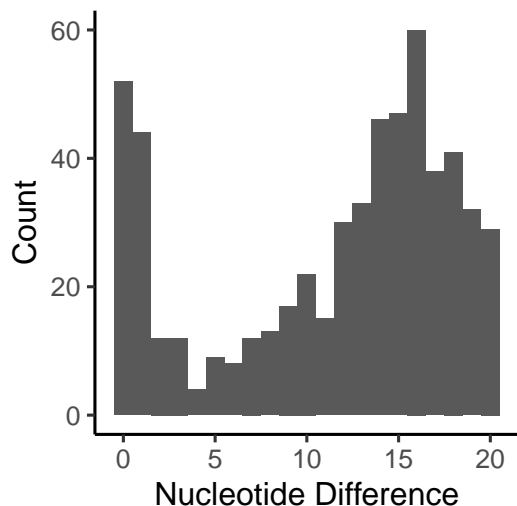
IGHV3-30-3*01

388 sequences assigned
27 (7%) exact matches, in which:
27 unique CDR3
4 unique J



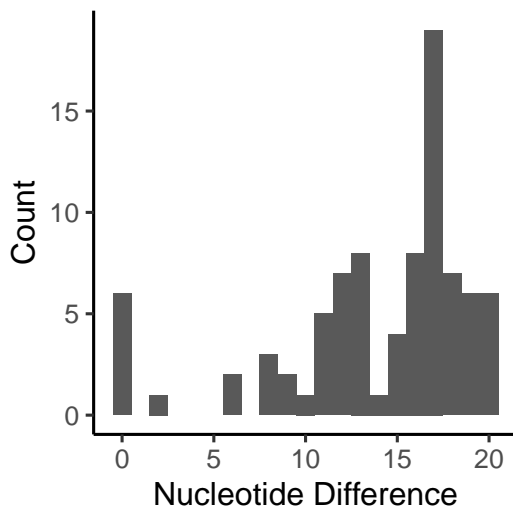
IGHV3-33*01

1143 sequences assigned
52 (4.5%) exact matches, in which:
50 unique CDR3
6 unique J



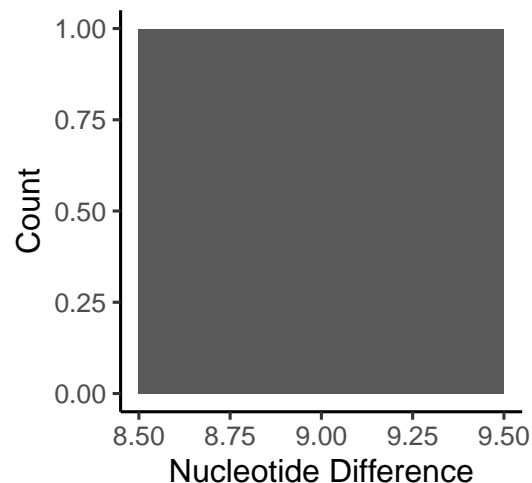
IGHV3-49*05

226 sequences assigned
6 (2.7%) exact matches, in which:
6 unique CDR3
2 unique J



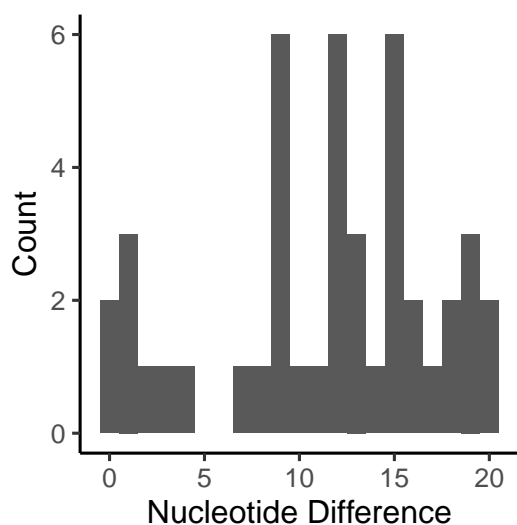
IGHV3-66*03

1 sequences assigned
No exact matches.



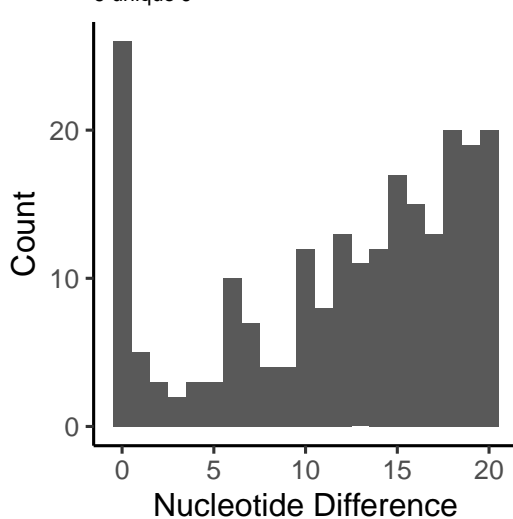
IGHV3-43*01

95 sequences assigned
2 (2.1%) exact matches, in which:
2 unique CDR3
2 unique J



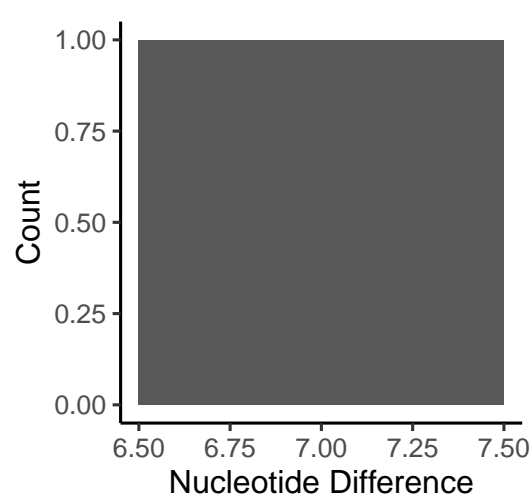
IGHV3-53*01

453 sequences assigned
26 (5.7%) exact matches, in which:
26 unique CDR3
6 unique J



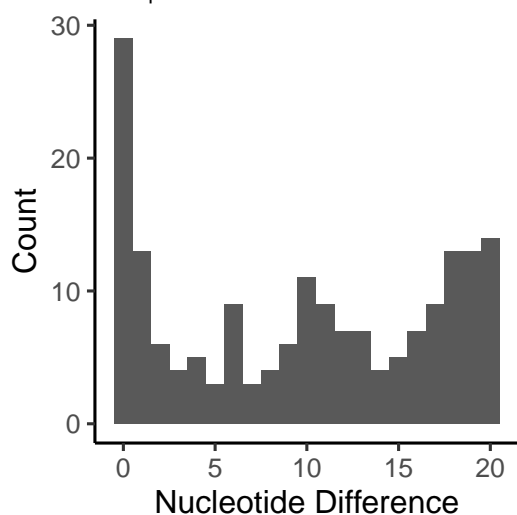
IGHV3-69-1*01

1 sequences assigned
No exact matches.



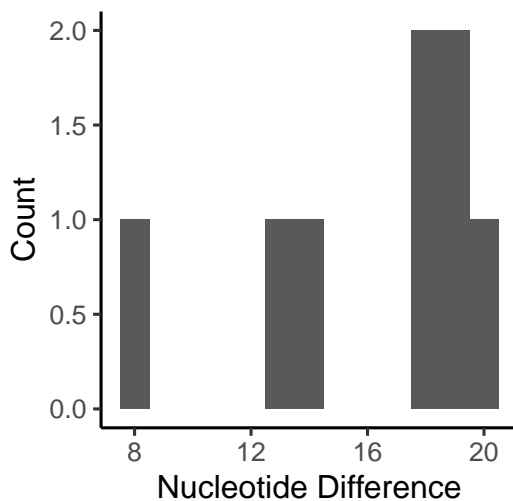
IGHV3-48*02

331 sequences assigned
29 (8.8%) exact matches, in which:
29 unique CDR3
5 unique J



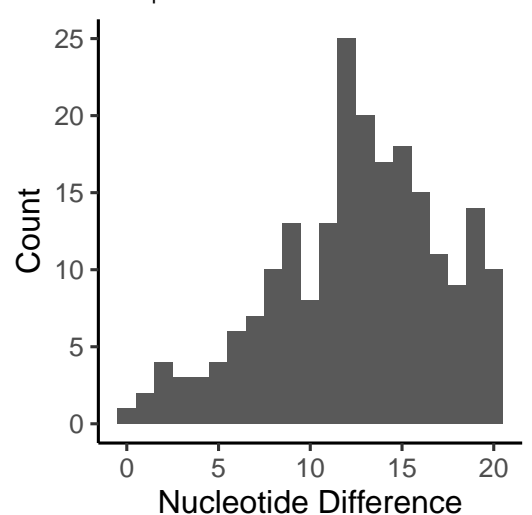
IGHV3-64*02

10 sequences assigned
No exact matches.



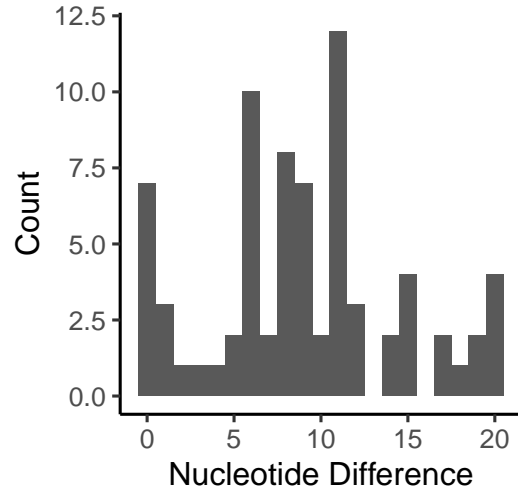
IGHV3-72*01

286 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



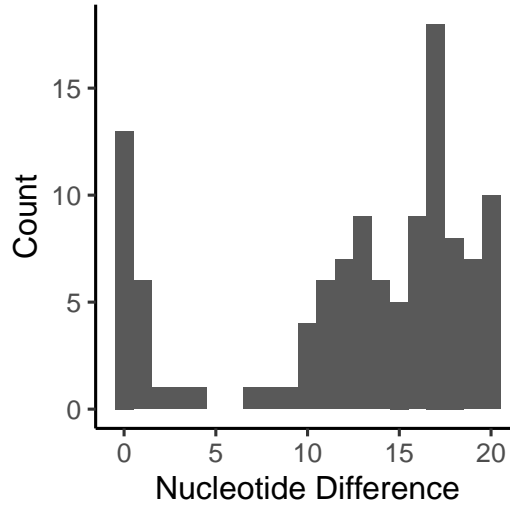
IGHV3-73*02

129 sequences assigned
7 (5.4%) exact matches, in which:
7 unique CDR3
3 unique J



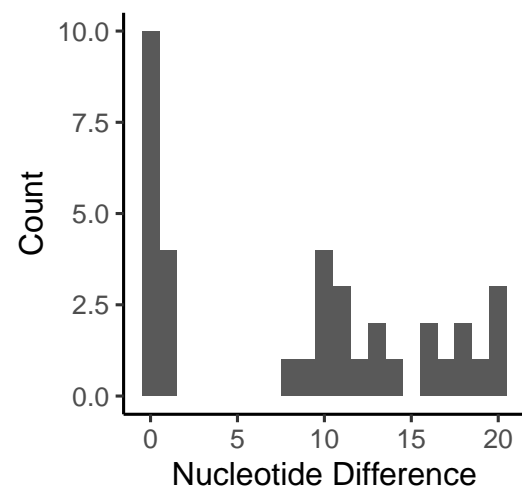
IGHV3-64D*06

225 sequences assigned
13 (5.8%) exact matches, in which:
13 unique CDR3
6 unique J



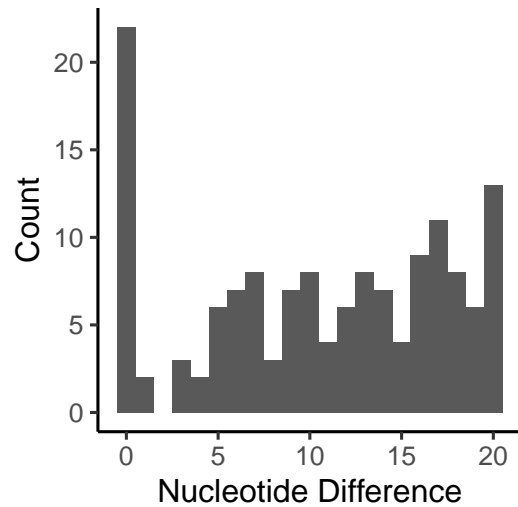
IGHV4-30-2*01

84 sequences assigned
10 (11.9%) exact matches, in which:
10 unique CDR3
5 unique J



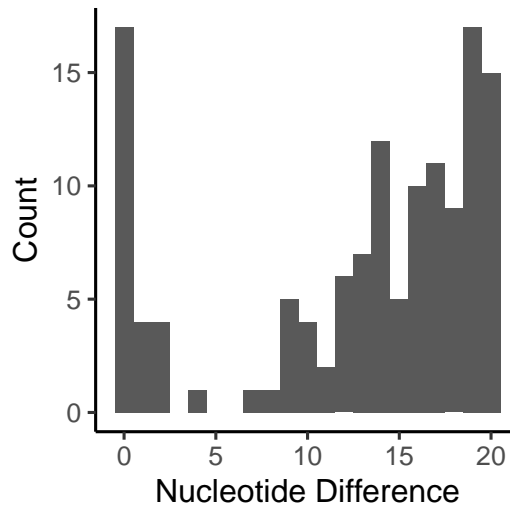
IGHV3-74*01

288 sequences assigned
22 (7.6%) exact matches, in which:
22 unique CDR3
5 unique J



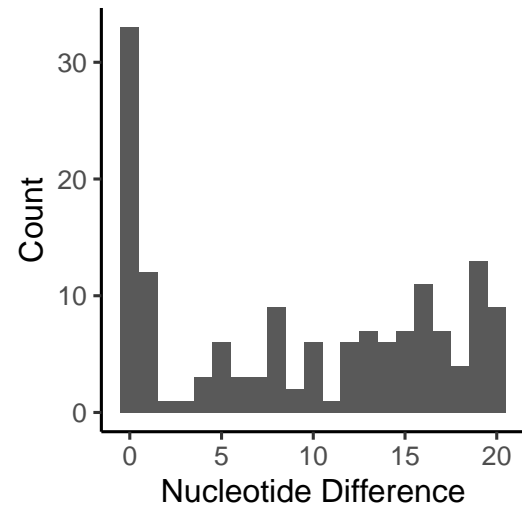
IGHV4-4*02

309 sequences assigned
17 (5.5%) exact matches, in which:
17 unique CDR3
5 unique J



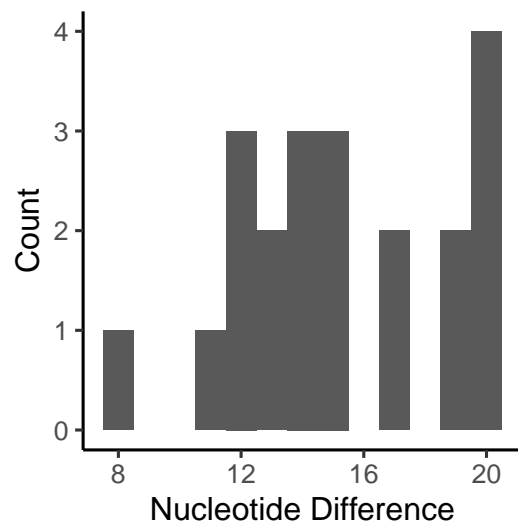
IGHV4-31*03

371 sequences assigned
33 (8.9%) exact matches, in which:
33 unique CDR3
7 unique J



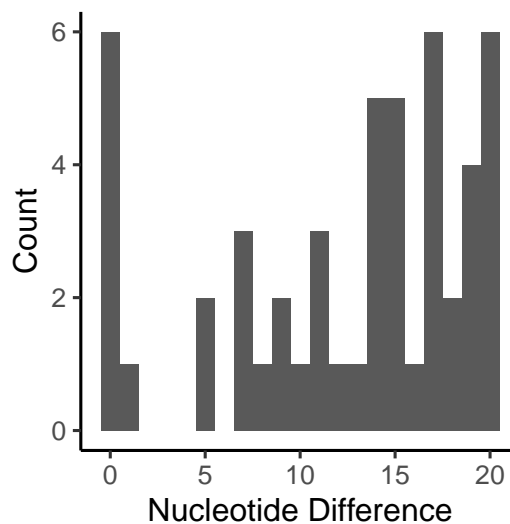
IGHV3-74*03

45 sequences assigned
No exact matches.



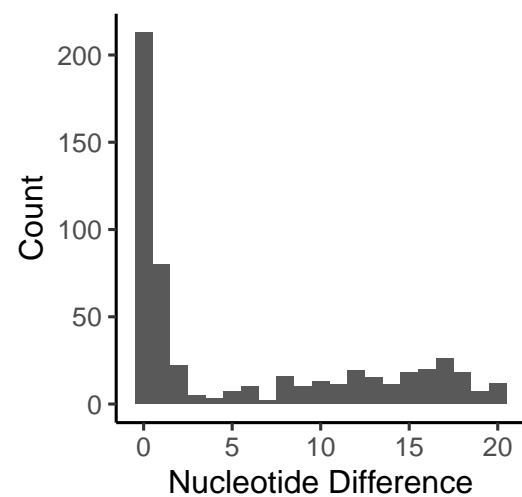
IGHV4-30-4*01

122 sequences assigned
6 (4.9%) exact matches, in which:
6 unique CDR3
3 unique J



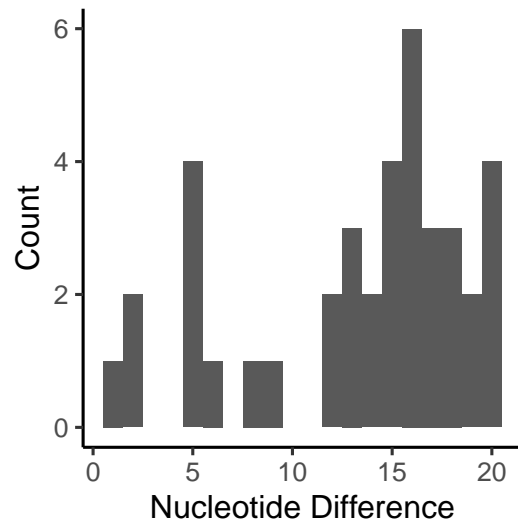
IGHV4-34*01

803 sequences assigned
213 (26.5%) exact matches, in which:
212 unique CDR3
7 unique J



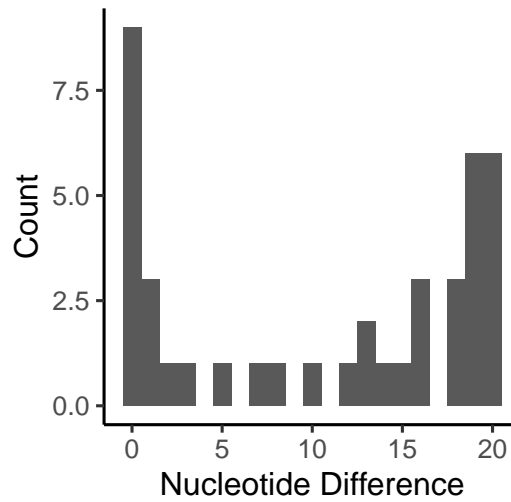
IGHV4-34*02

130 sequences assigned
No exact matches.



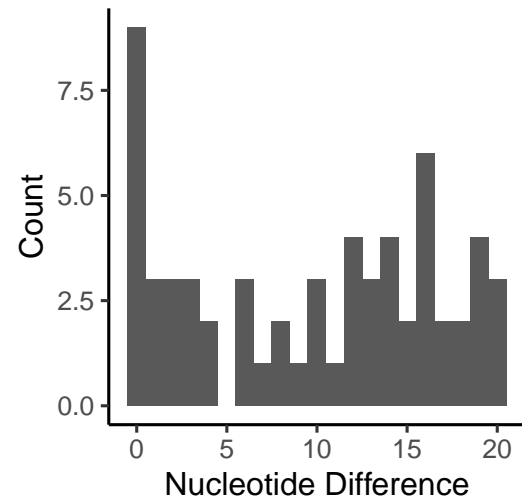
IGHV4-61*01

80 sequences assigned
9 (11.2%) exact matches, in which:
9 unique CDR3
6 unique J



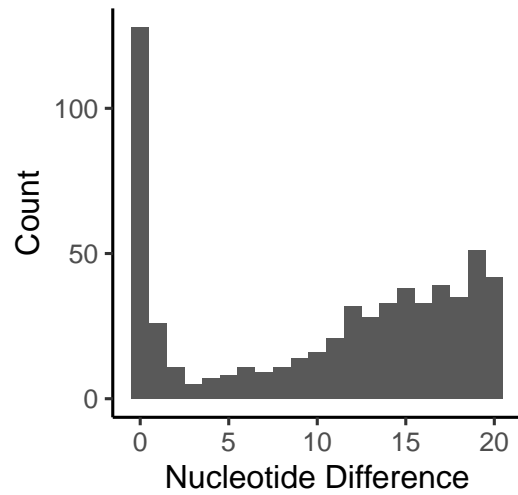
IGHV5-10-1*01

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



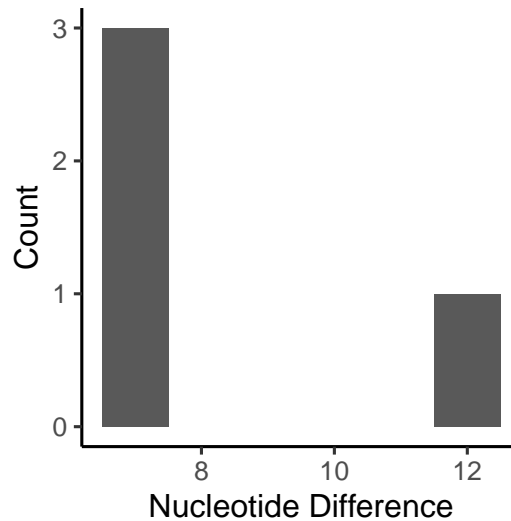
IGHV4-39*01

1460 sequences assigned
128 (8.8%) exact matches, in which:
127 unique CDR3
6 unique J



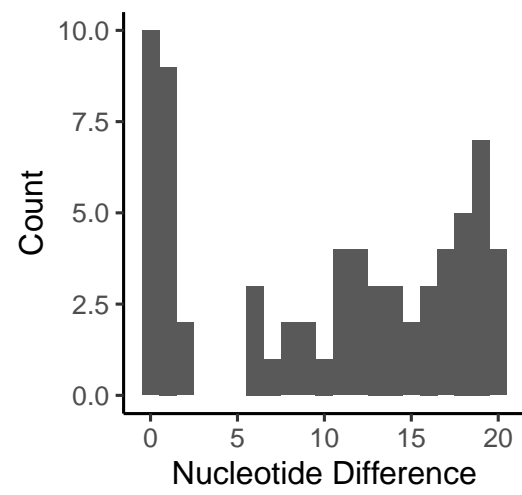
IGHV4-61*03

10 sequences assigned
No exact matches.



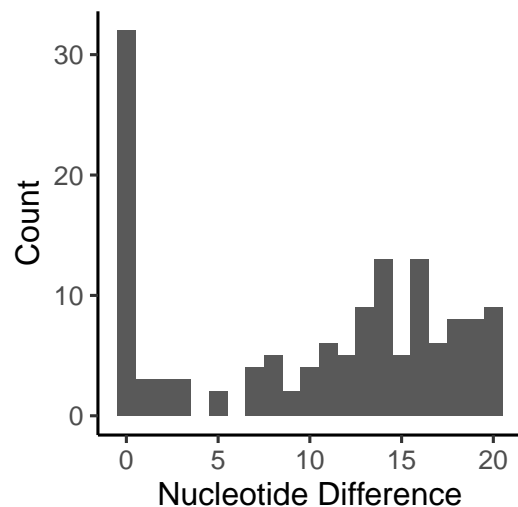
IGHV5-10-1*03

163 sequences assigned
10 (6.1%) exact matches, in which:
10 unique CDR3
4 unique J



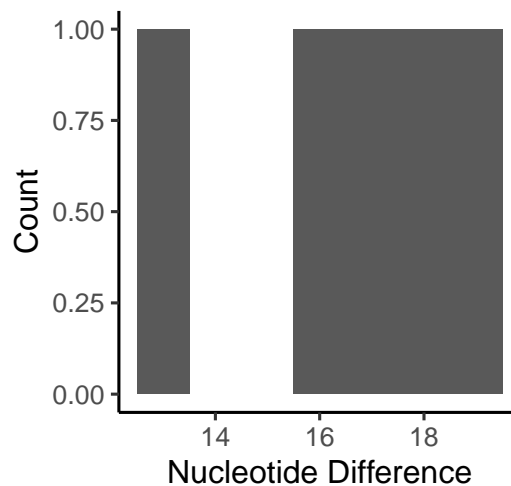
IGHV4-59*01

373 sequences assigned
32 (8.6%) exact matches, in which:
32 unique CDR3
5 unique J



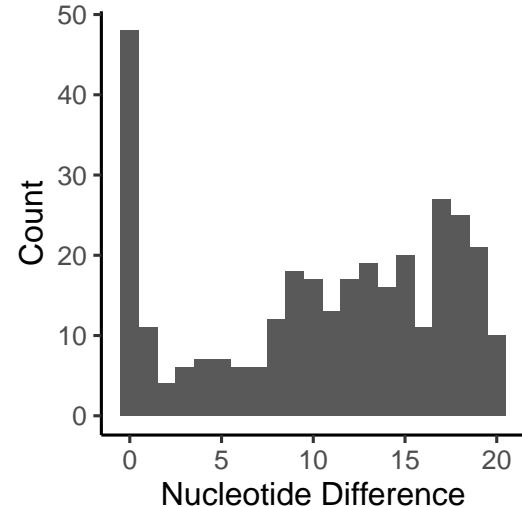
IGHV4-61*08

34 sequences assigned
No exact matches.



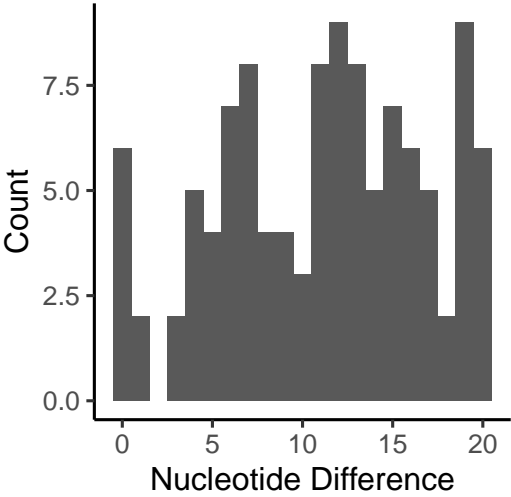
IGHV5-51*01

551 sequences assigned
48 (8.7%) exact matches, in which:
48 unique CDR3
7 unique J



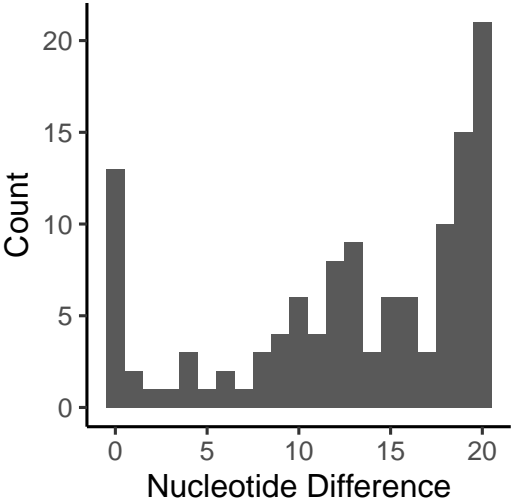
IGHV6-1*01

166 sequences assigned
6 (3.6%) exact matches, in which:
6 unique CDR3
3 unique J

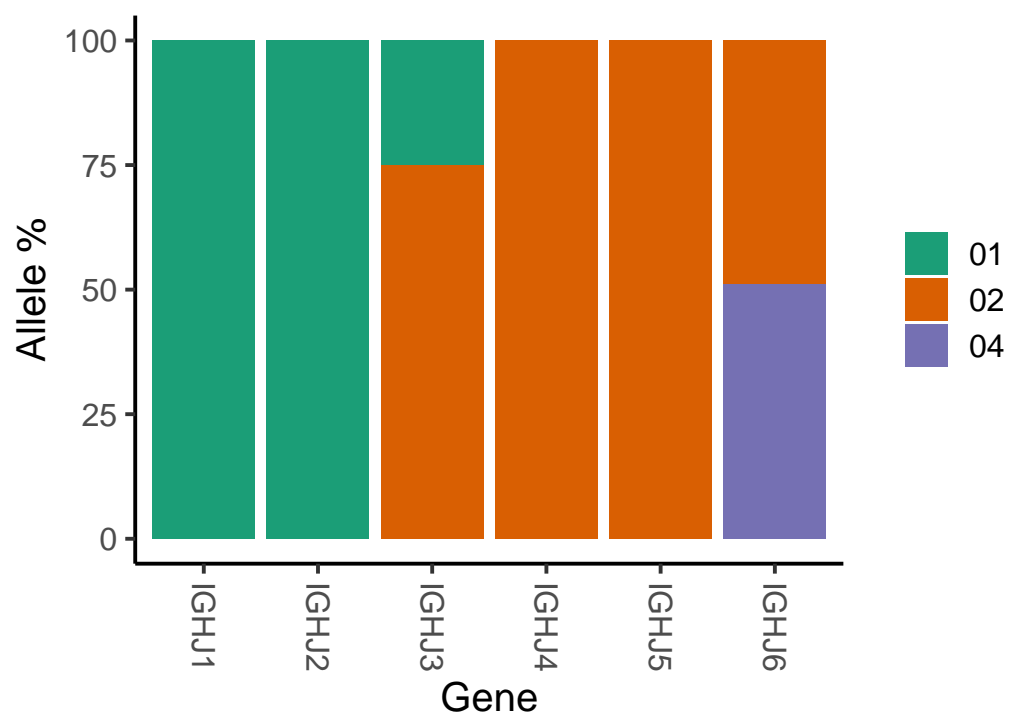


IGHV7-4-1*02

199 sequences assigned
13 (6.5%) exact matches, in which:
13 unique CDR3
5 unique J



Allele Usage



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.