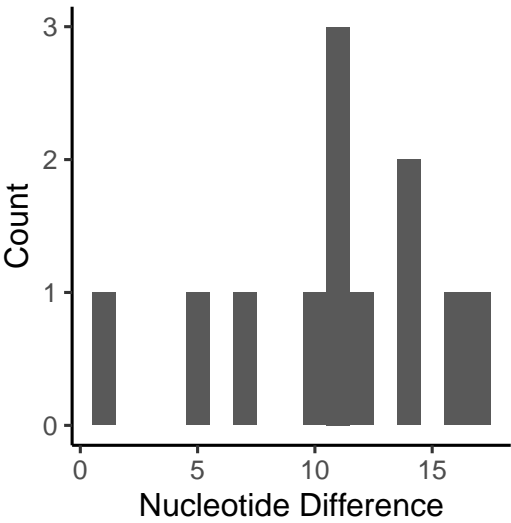


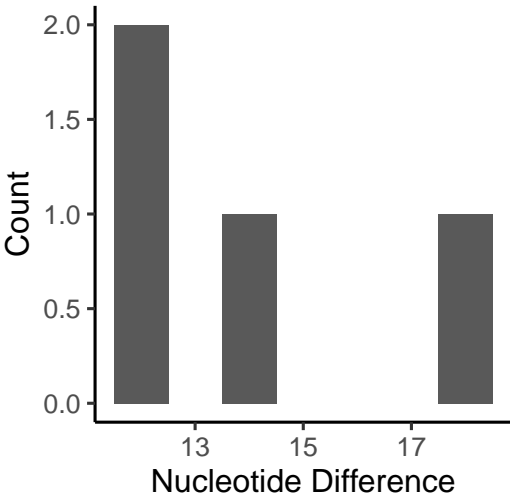
IGHV1-2*02

13 sequences assigned
No exact matches.



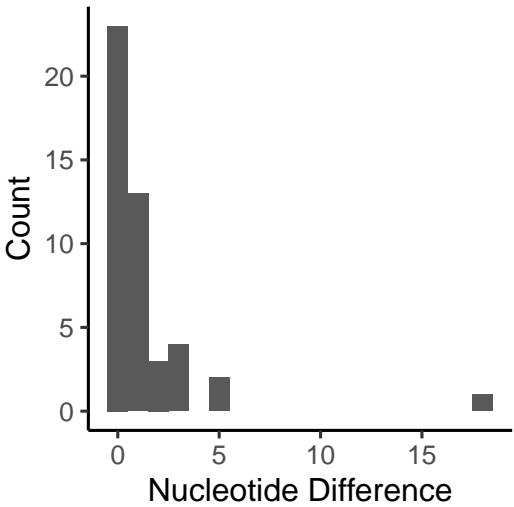
IGHV1-8*02

4 sequences assigned
No exact matches.



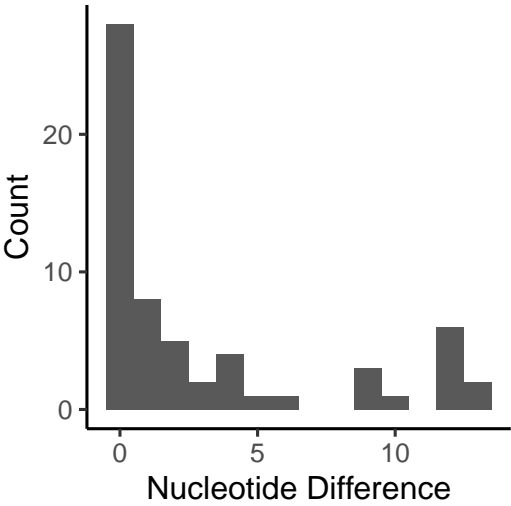
IGHV1-24*01

48 sequences assigned
23 (47.9%) exact matches, in which:
22 unique CDR3
3 unique J



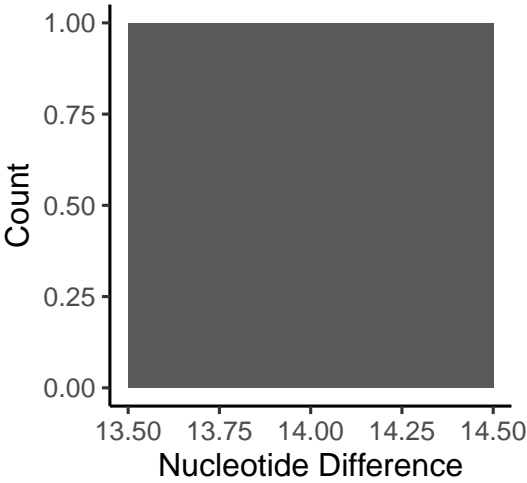
IGHV1-2*04

61 sequences assigned
28 (45.9%) exact matches, in which:
28 unique CDR3
4 unique J



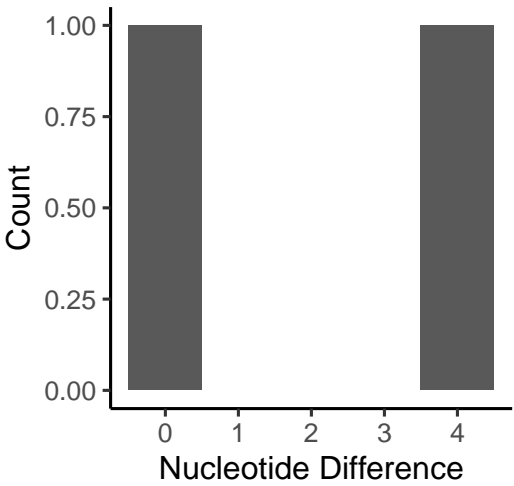
IGHV1-8*03

1 sequences assigned
No exact matches.



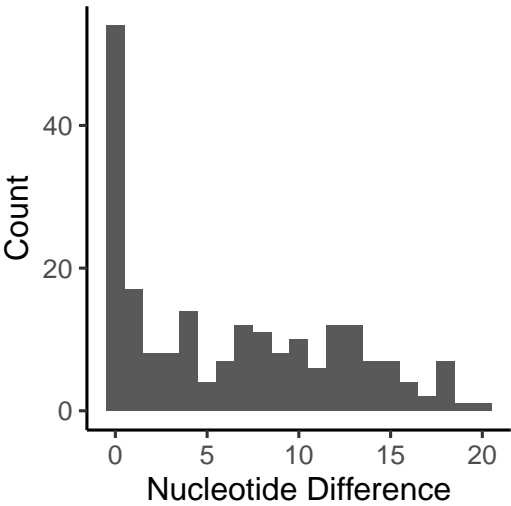
IGHV1-45*02

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



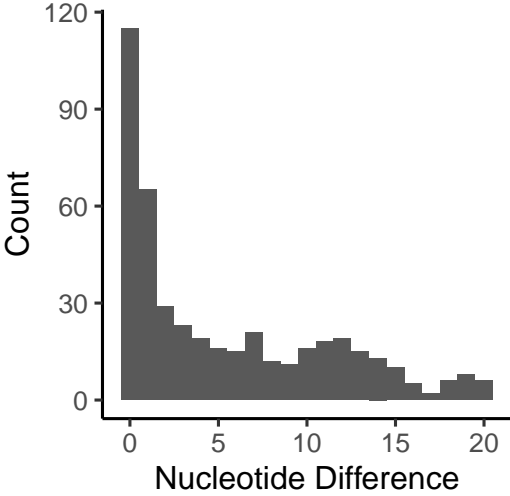
IGHV1-3*01

221 sequences assigned
54 (24.4%) exact matches, in which:
51 unique CDR3
5 unique J



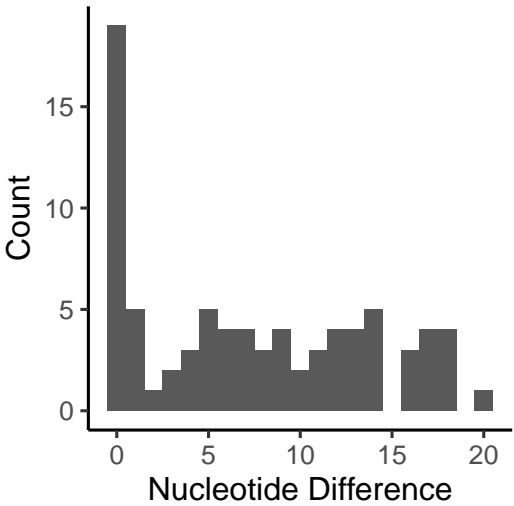
IGHV1-18*01

463 sequences assigned
115 (24.8%) exact matches, in which:
114 unique CDR3
5 unique J



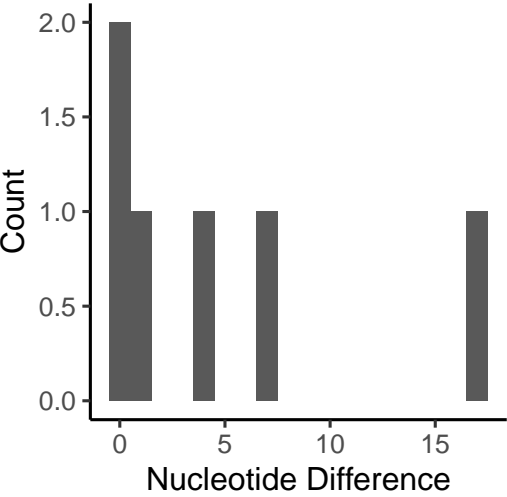
IGHV1-46*01

103 sequences assigned
19 (18.4%) exact matches, in which:
18 unique CDR3
5 unique J



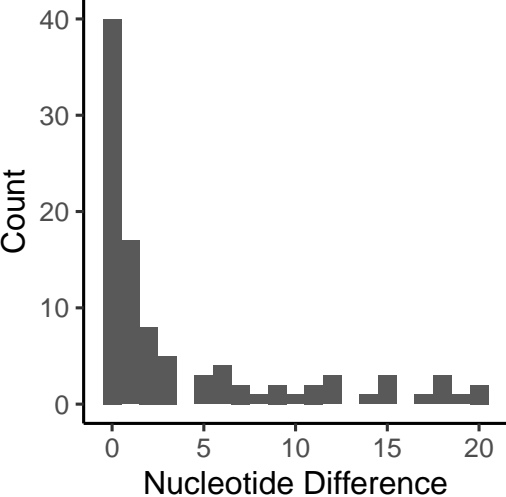
IGHV1-58*01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



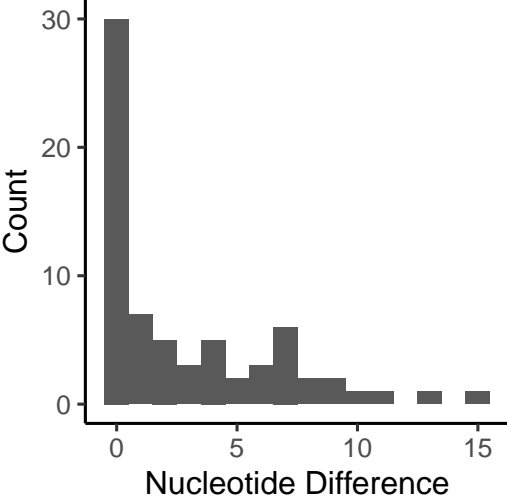
IGHV1-69*04

104 sequences assigned
40 (38.5%) exact matches, in which:
40 unique CDR3
5 unique J



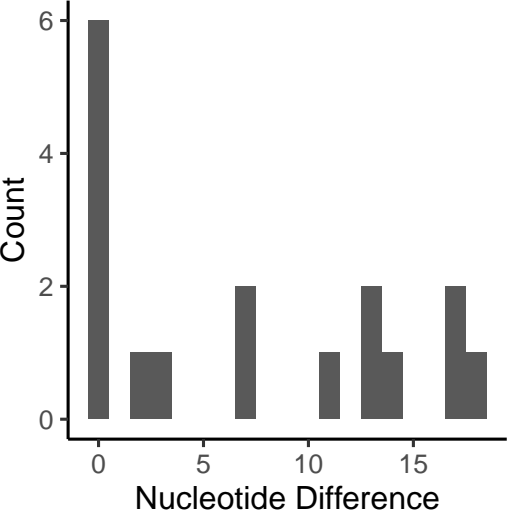
IGHV2-5*02

70 sequences assigned
30 (42.9%) exact matches, in which:
29 unique CDR3
5 unique J



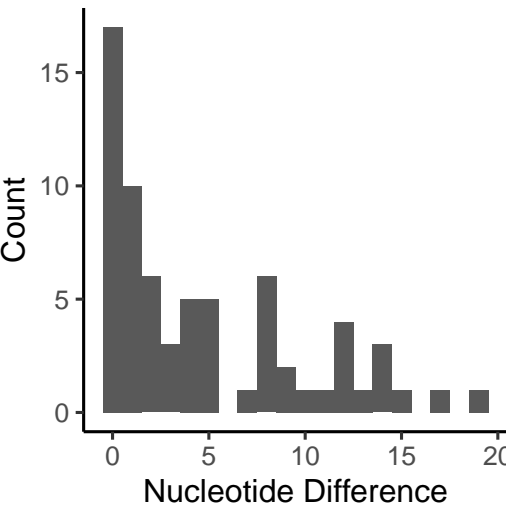
IGHV1-58*02

17 sequences assigned
6 (35.3%) exact matches, in which:
6 unique CDR3
2 unique J



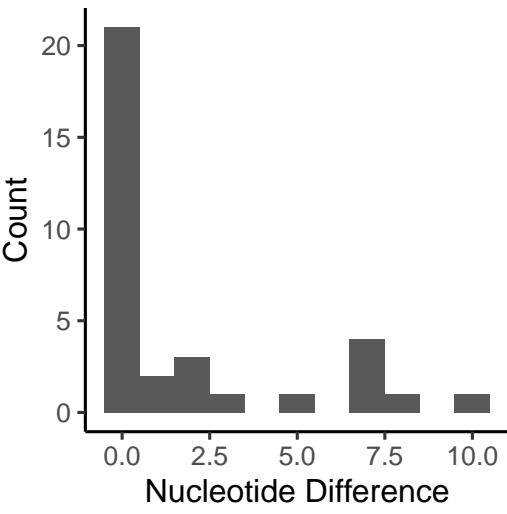
IGHV1-69*06

73 sequences assigned
17 (23.3%) exact matches, in which:
17 unique CDR3
3 unique J



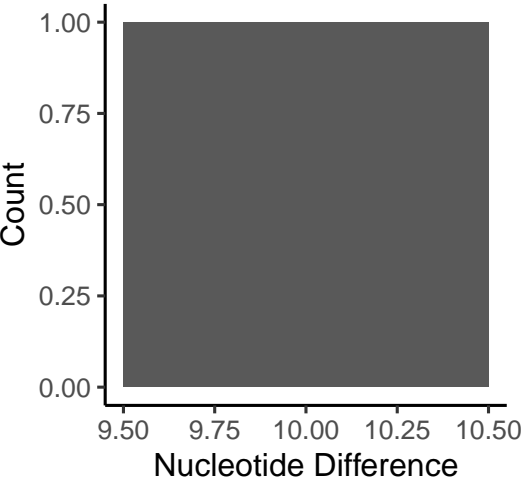
IGHV2-26*01

34 sequences assigned
21 (61.8%) exact matches, in which:
21 unique CDR3
5 unique J



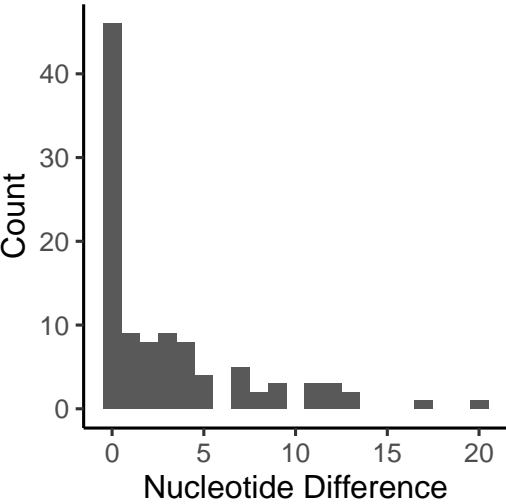
IGHV1-69-2*01

1 sequences assigned
No exact matches.



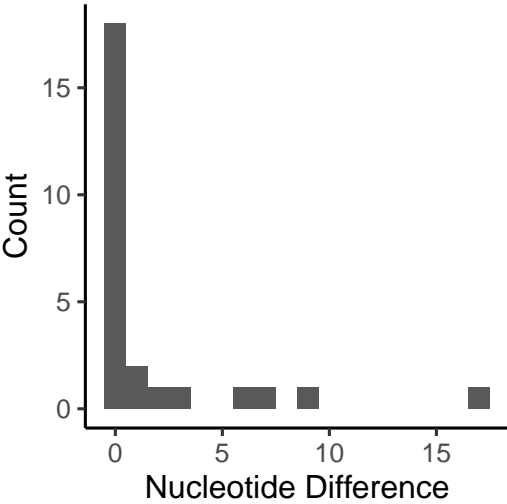
IGHV2-5*01

105 sequences assigned
46 (43.8%) exact matches, in which:
46 unique CDR3
4 unique J



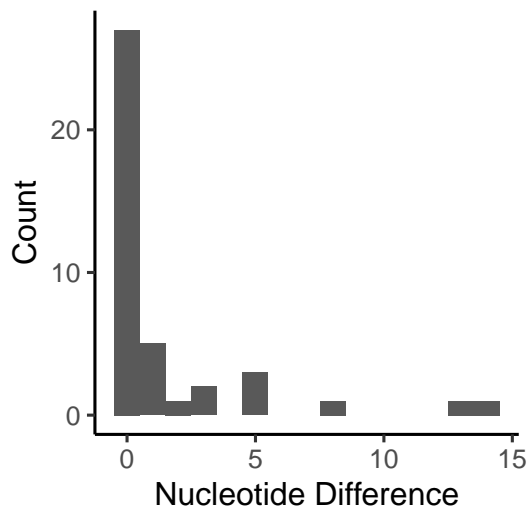
IGHV2-70*01

26 sequences assigned
18 (69.2%) exact matches, in which:
18 unique CDR3
5 unique J



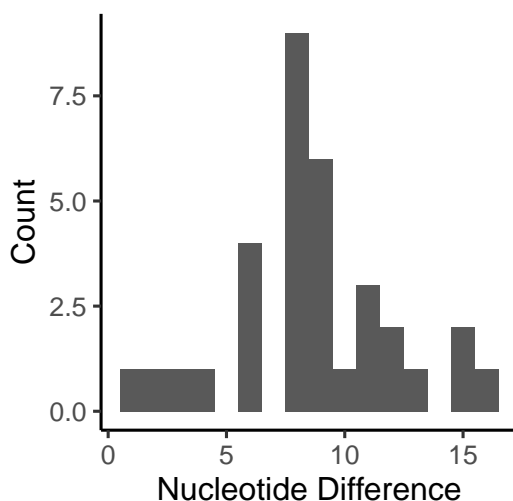
IGHV2-70*15

41 sequences assigned
27 (65.9%) exact matches, in which:
26 unique CDR3
5 unique J



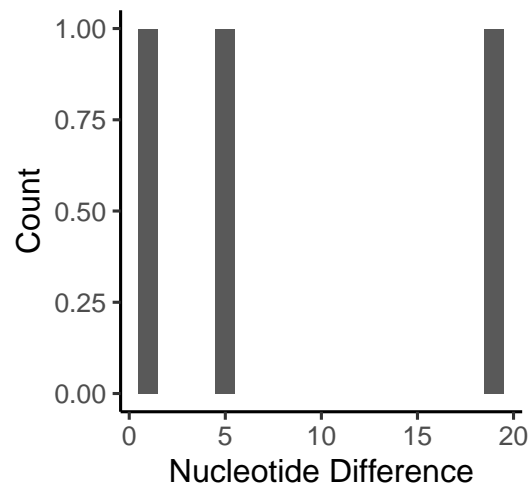
IGHV3-7*05

34 sequences assigned
No exact matches.



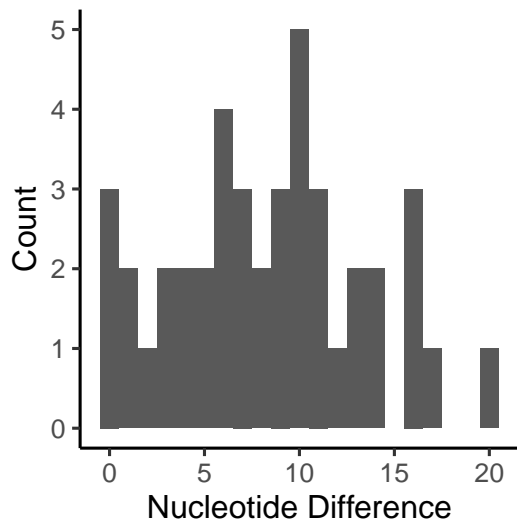
IGHV3-11*06

4 sequences assigned
No exact matches.



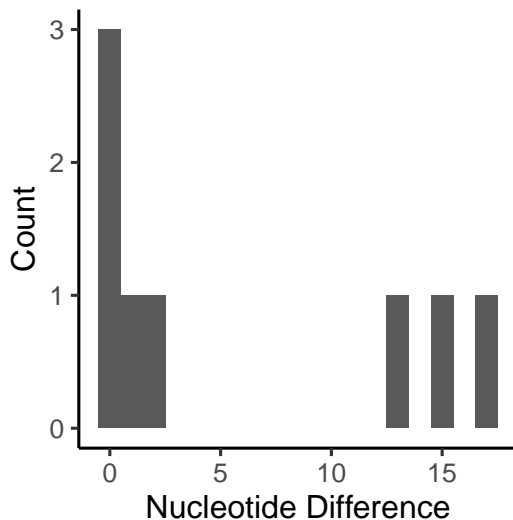
IGHV3-7*01

44 sequences assigned
3 (6.8%) exact matches, in which:
3 unique CDR3
2 unique J



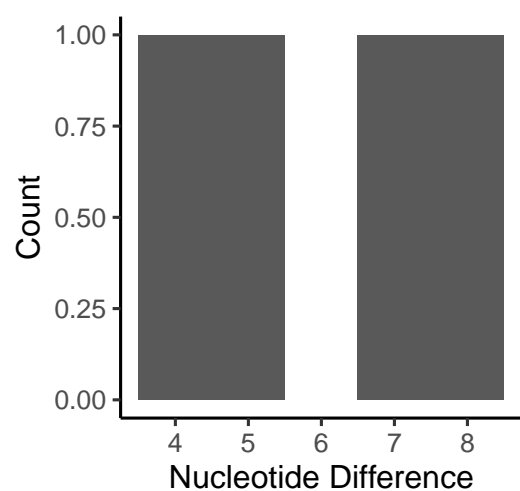
IGHV3-11*01

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
1 unique J



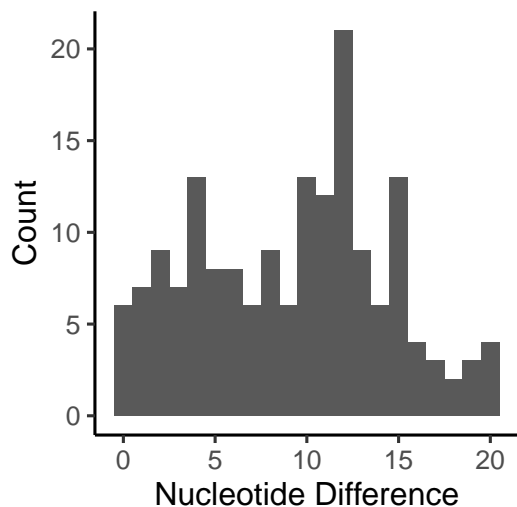
IGHV3-13*01

4 sequences assigned
No exact matches.



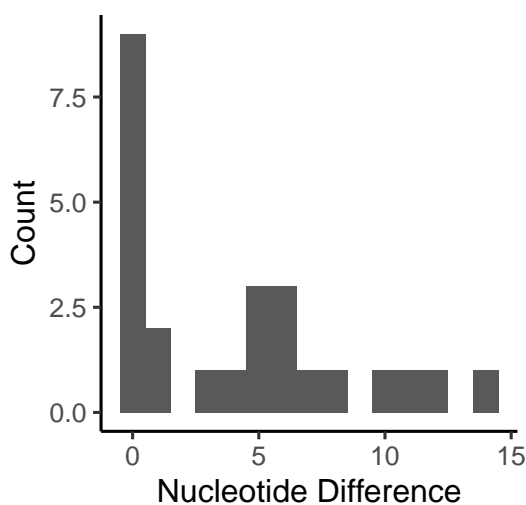
IGHV3-7*03

186 sequences assigned
6 (3.2%) exact matches, in which:
6 unique CDR3
4 unique J



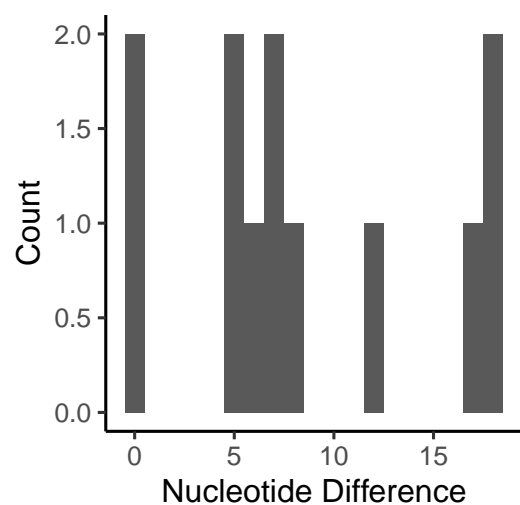
IGHV3-11*05

25 sequences assigned
9 (36%) exact matches, in which:
9 unique CDR3
4 unique J



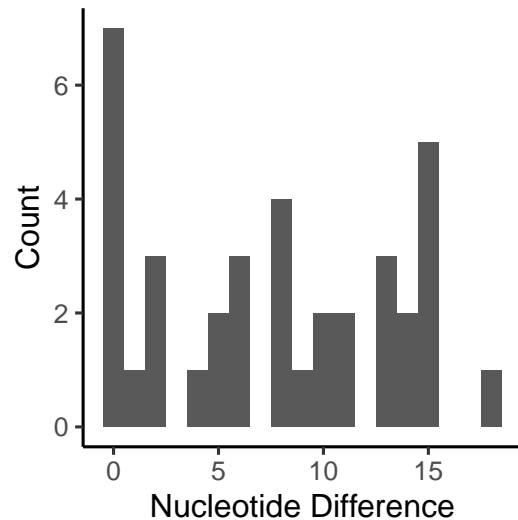
IGHV3-13*04

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



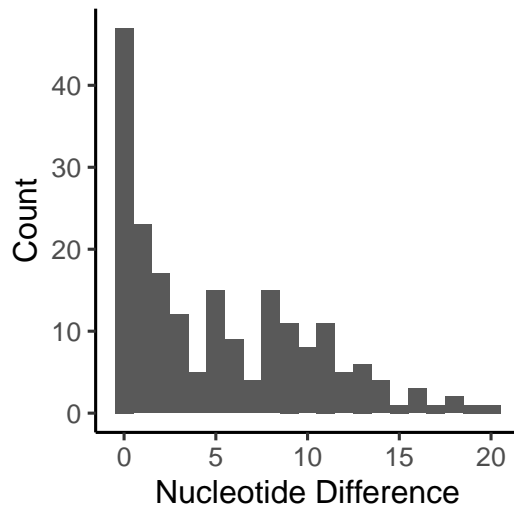
IGHV3-15*01

43 sequences assigned
7 (16.3%) exact matches, in which:
7 unique CDR3
4 unique J



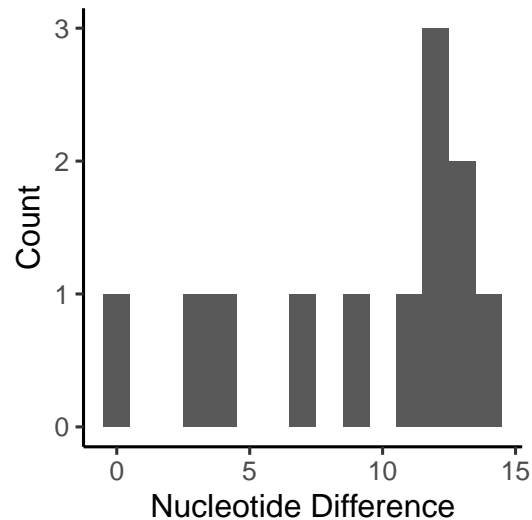
IGHV3-21*01

201 sequences assigned
47 (23.4%) exact matches, in which:
44 unique CDR3
4 unique J



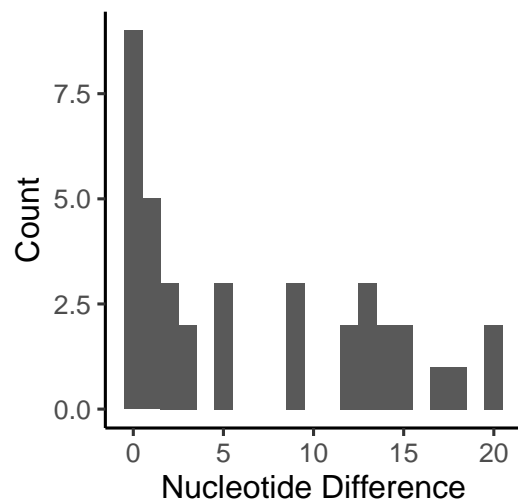
IGHV3-33*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



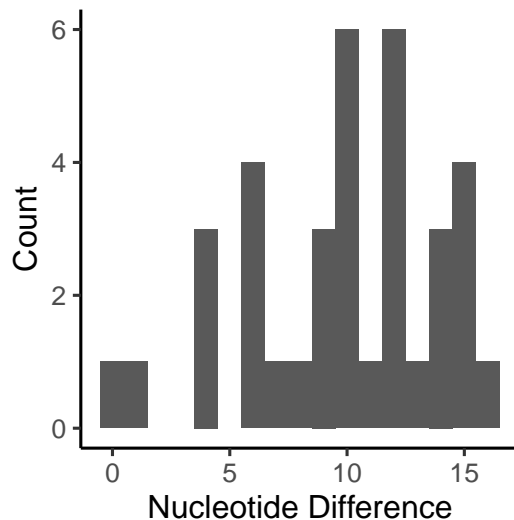
IGHV3-15*07

40 sequences assigned
9 (22.5%) exact matches, in which:
8 unique CDR3
3 unique J



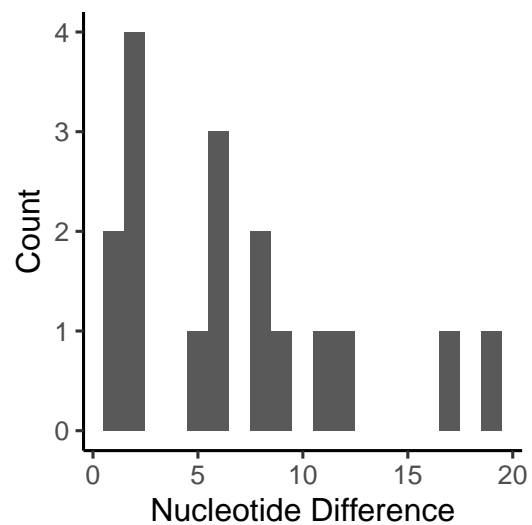
IGHV3-21*04

40 sequences assigned
1 (2.5%) exact matches, in which:
1 unique CDR3
1 unique J



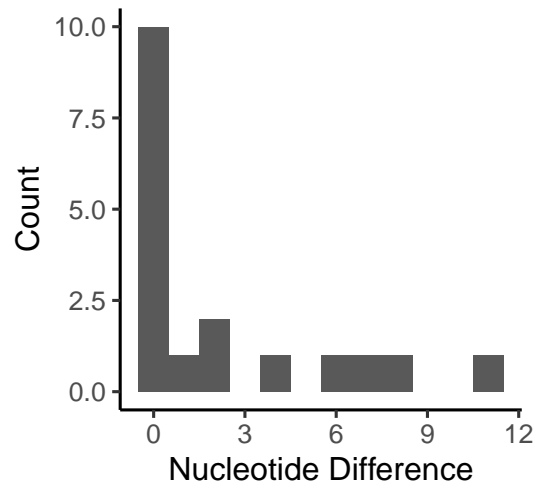
IGHV3-33*05

21 sequences assigned
No exact matches.



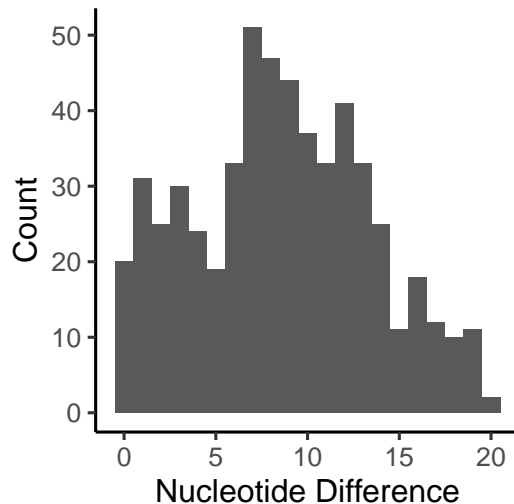
IGHV3-20*04

18 sequences assigned
10 (55.6%) exact matches, in which:
9 unique CDR3
2 unique J



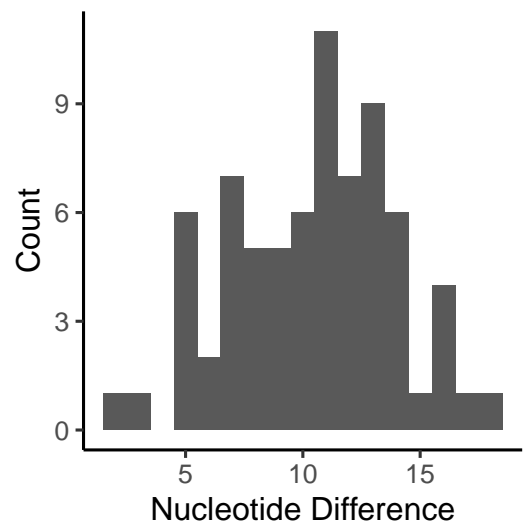
IGHV3-23*04

571 sequences assigned
20 (3.5%) exact matches, in which:
20 unique CDR3
3 unique J



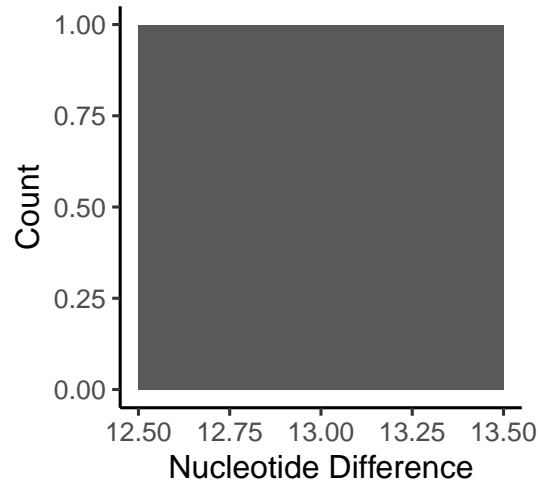
IGHV3-33*08

76 sequences assigned
No exact matches.



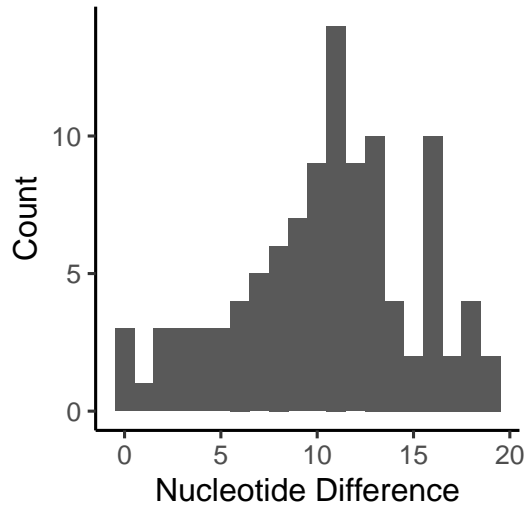
IGHV3-38-3*01

1 sequences assigned
No exact matches.



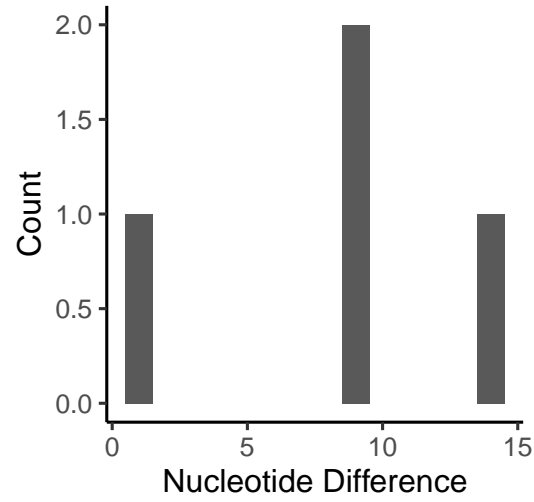
IGHV3-48*01

107 sequences assigned
3 (2.8%) exact matches, in which:
3 unique CDR3
1 unique J



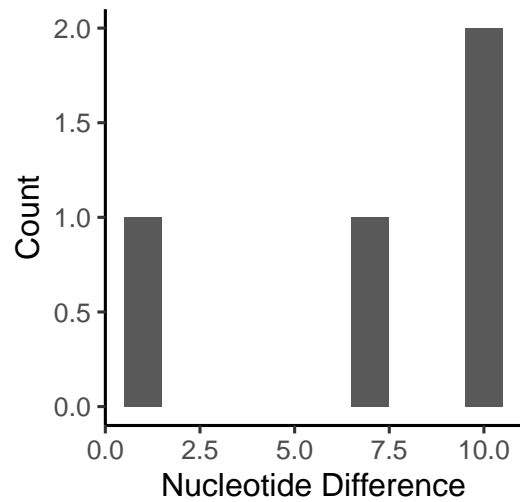
IGHV3-49*03

5 sequences assigned
No exact matches.



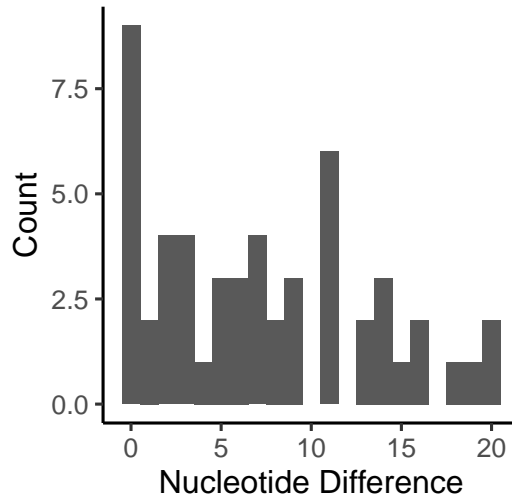
IGHV3-43*01

4 sequences assigned
No exact matches.



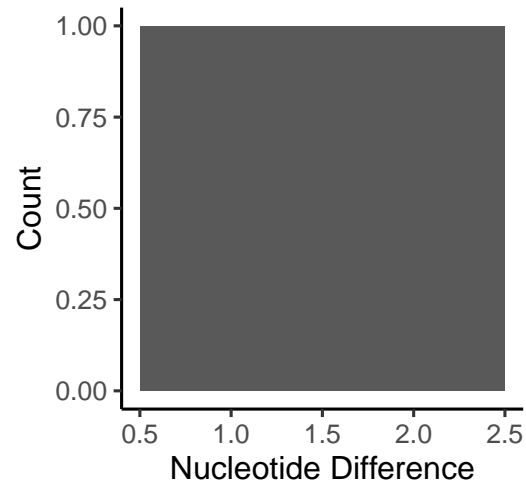
IGHV3-48*02

56 sequences assigned
9 (16.1%) exact matches, in which:
9 unique CDR3
3 unique J



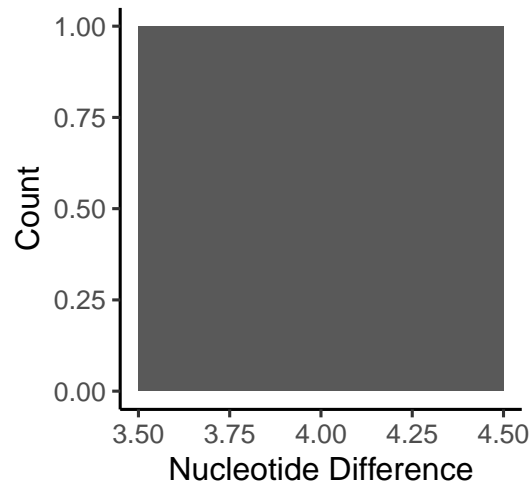
IGHV3-49*05

2 sequences assigned
No exact matches.



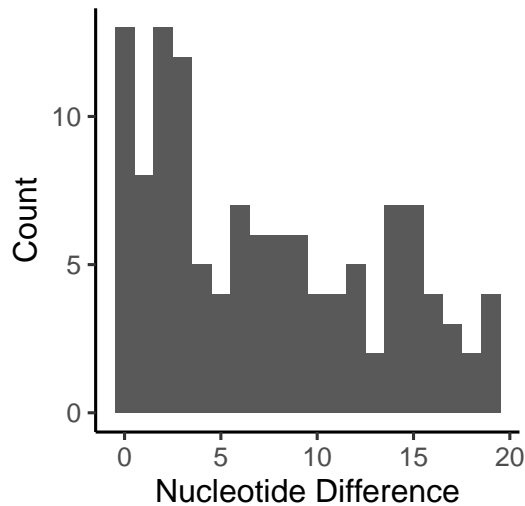
IGHV3-43*02

1 sequences assigned
No exact matches.



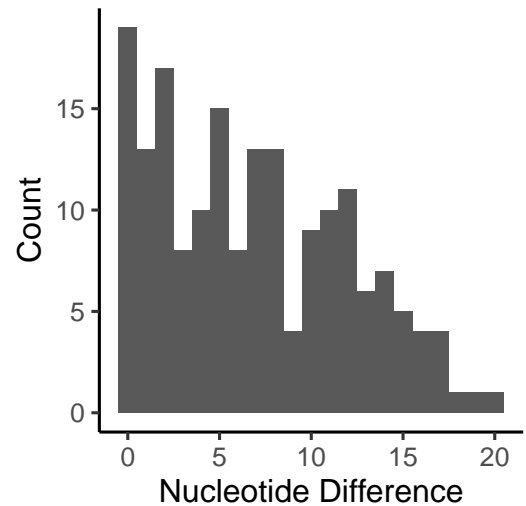
IGHV3-48*04

127 sequences assigned
13 (10.2%) exact matches, in which:
13 unique CDR3
4 unique J



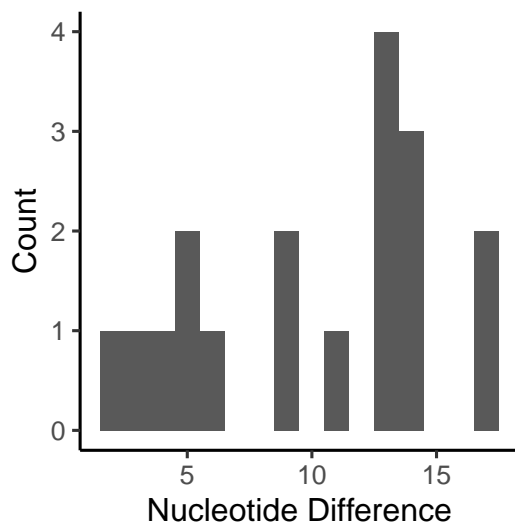
IGHV3-53*01

180 sequences assigned
19 (10.6%) exact matches, in which:
18 unique CDR3
3 unique J



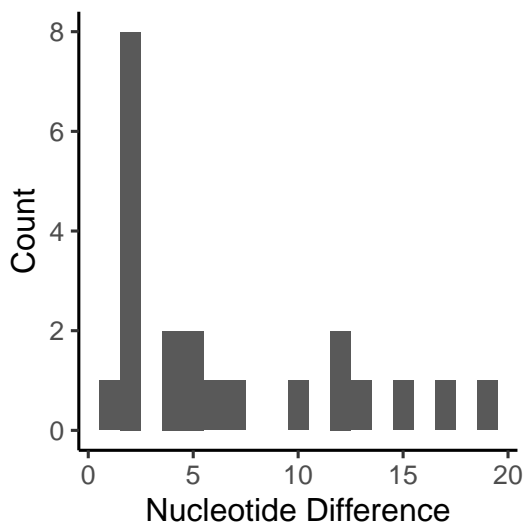
IGHV3-64*04

18 sequences assigned
No exact matches.



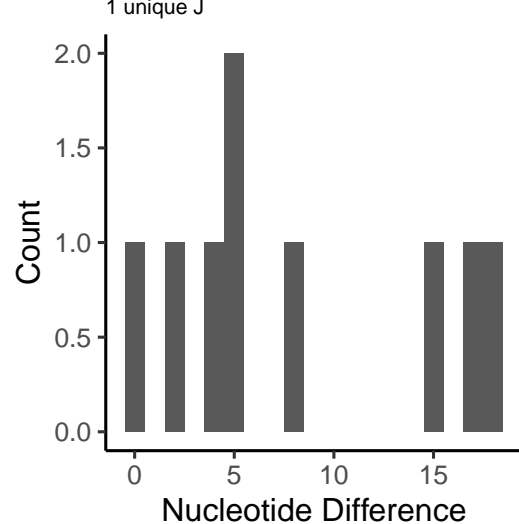
IGHV3-72*01

23 sequences assigned
No exact matches.



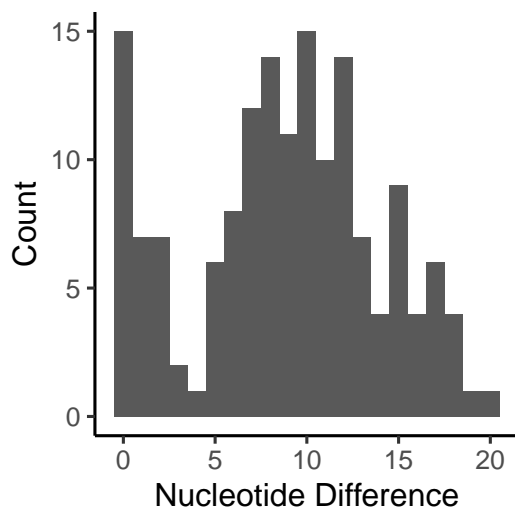
IGHV3-64D*06

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



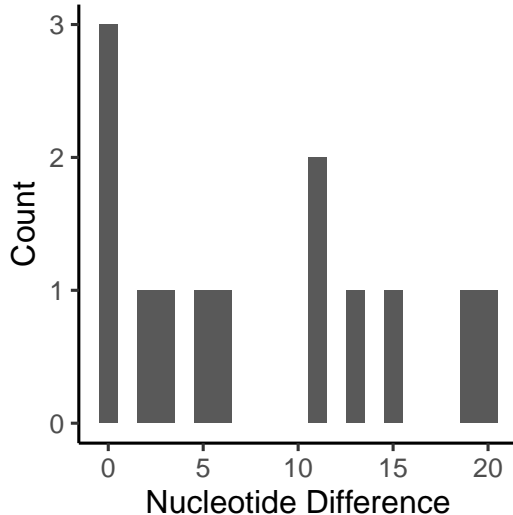
IGHV3-66*01

164 sequences assigned
15 (9.1%) exact matches, in which:
15 unique CDR3
4 unique J



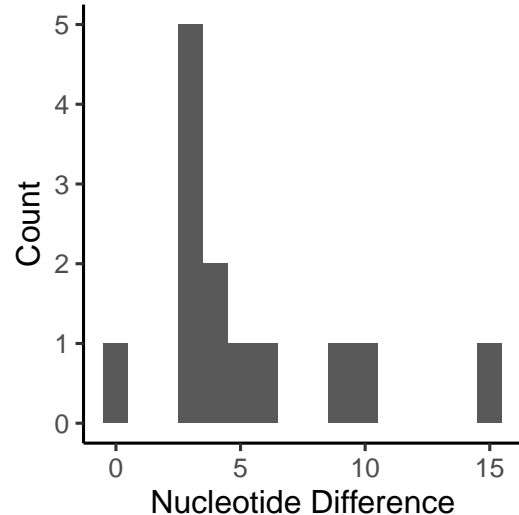
IGHV3-73*01

14 sequences assigned
3 (21.4%) exact matches, in which:
3 unique CDR3
2 unique J



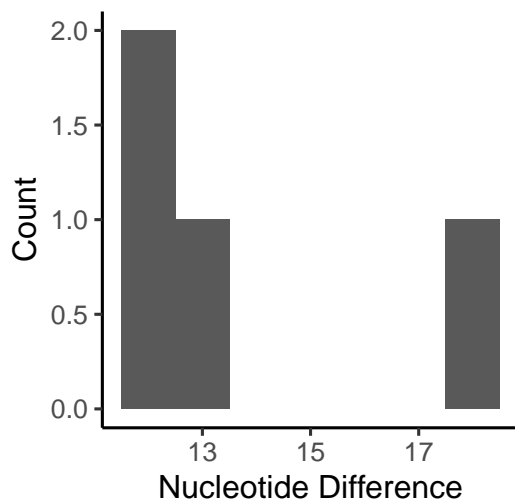
IGHV3-64D*09

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



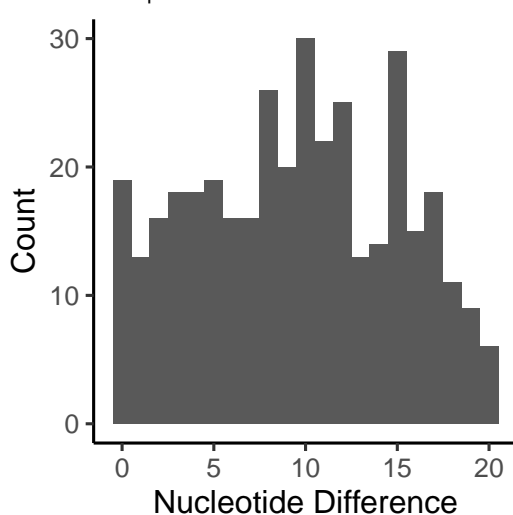
IGHV3-69-1*01

4 sequences assigned
No exact matches.



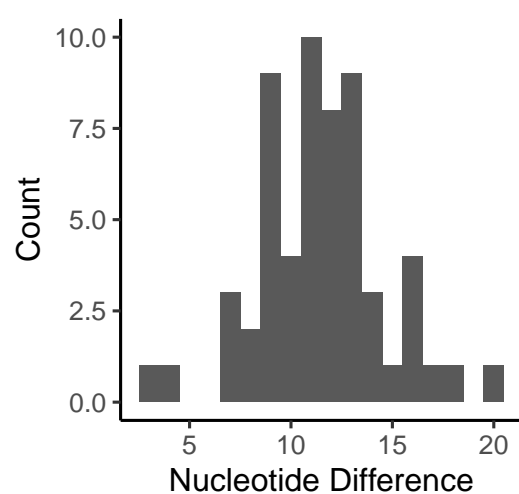
IGHV3-74*01

391 sequences assigned
19 (4.9%) exact matches, in which:
18 unique CDR3
3 unique J



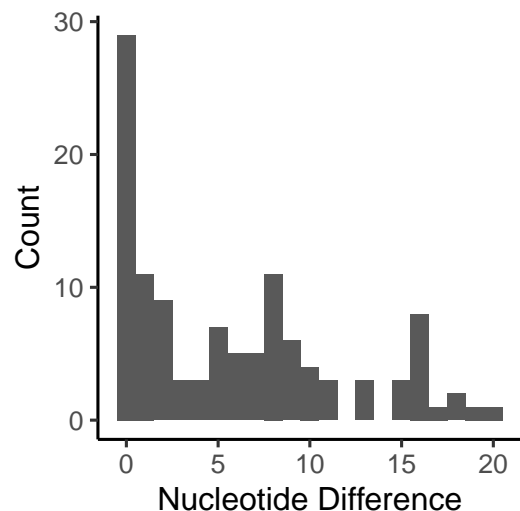
IGHV3-NL1*01

61 sequences assigned
No exact matches.



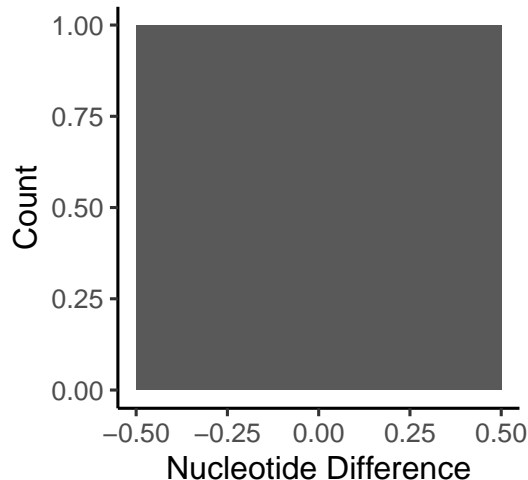
IGHV4-4*02

125 sequences assigned
29 (23.2%) exact matches, in which:
28 unique CDR3
4 unique J



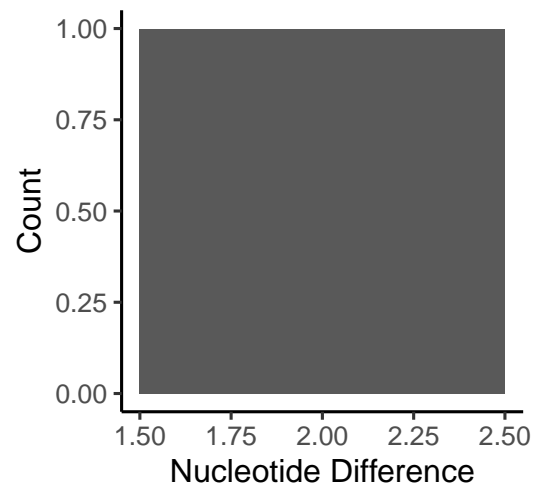
IGHV4-30-2*02

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



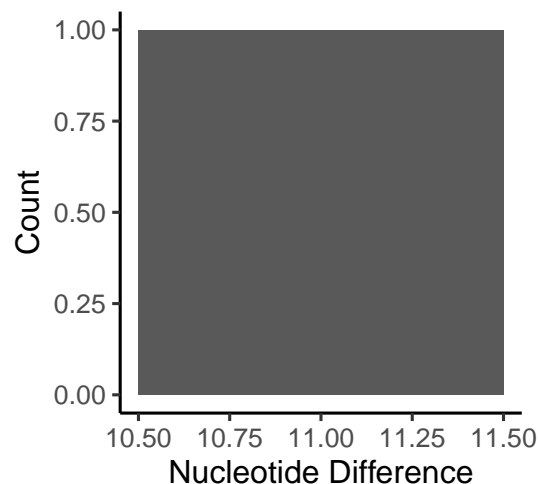
IGHV4-38-2*02

2 sequences assigned
No exact matches.



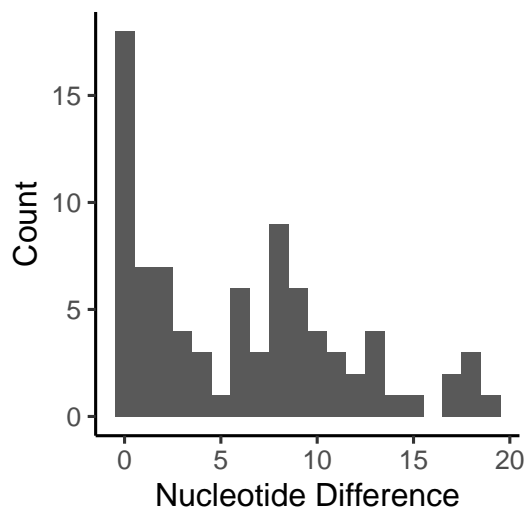
IGHV4-28*05

1 sequences assigned
No exact matches.



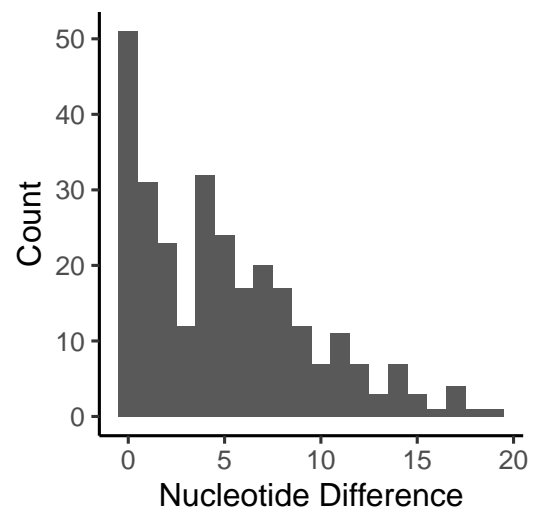
IGHV4-30-4*07

86 sequences assigned
18 (20.9%) exact matches, in which:
18 unique CDR3
4 unique J



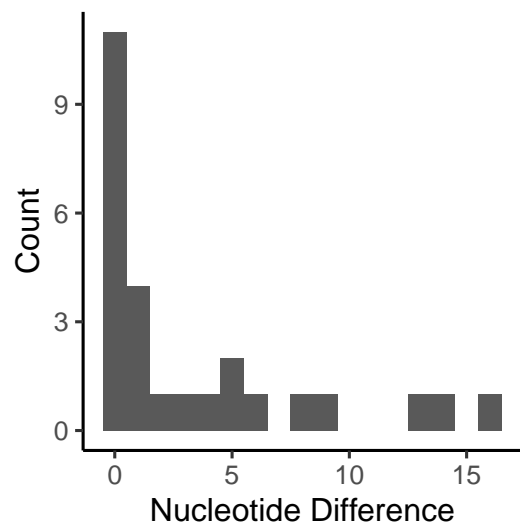
IGHV4-39*01

293 sequences assigned
51 (17.4%) exact matches, in which:
51 unique CDR3
5 unique J



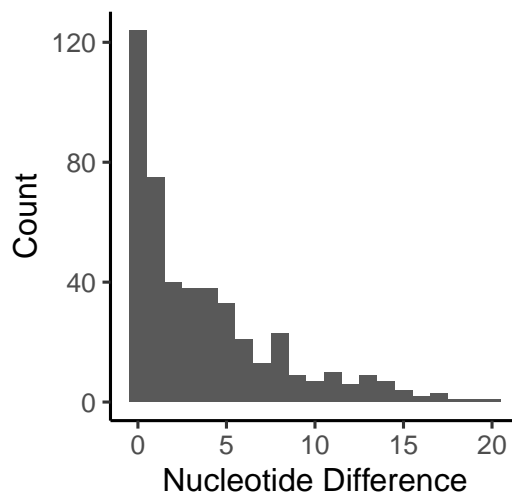
IGHV4-30-2*01

26 sequences assigned
11 (42.3%) exact matches, in which:
11 unique CDR3
3 unique J



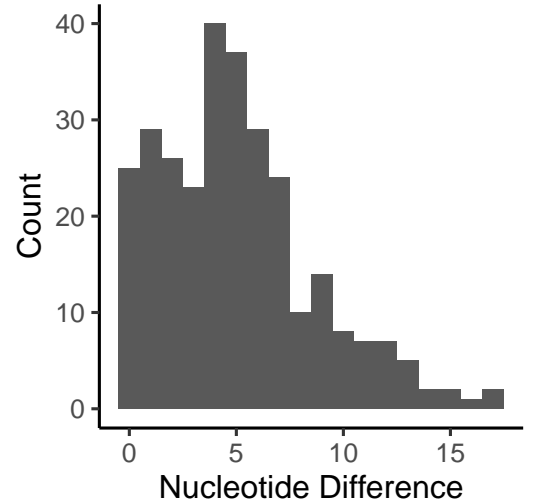
IGHV4-34*01

478 sequences assigned
124 (25.9%) exact matches, in which:
121 unique CDR3
5 unique J



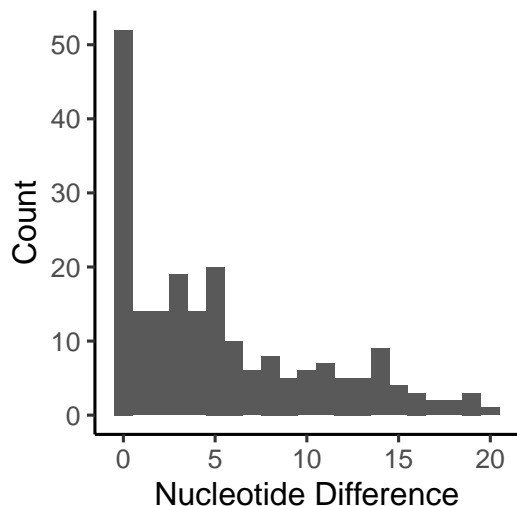
IGHV4-39*07

297 sequences assigned
25 (8.4%) exact matches, in which:
25 unique CDR3
3 unique J



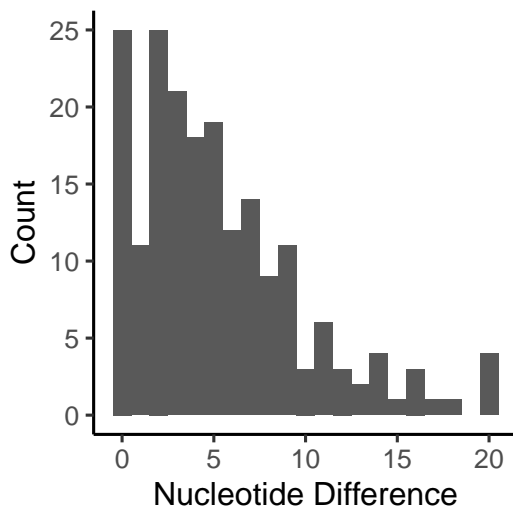
IGHV4-39*07_C288A

218 sequences assigned
52 (23.9%) exact matches, in which:
52 unique CDR3
5 unique J



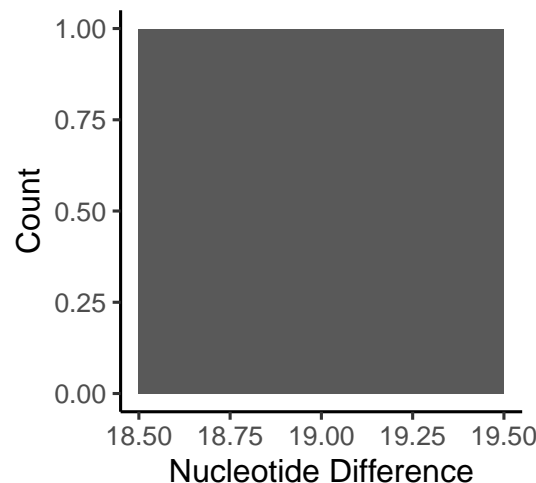
IGHV4-59*12

196 sequences assigned
25 (12.8%) exact matches, in which:
25 unique CDR3
4 unique J



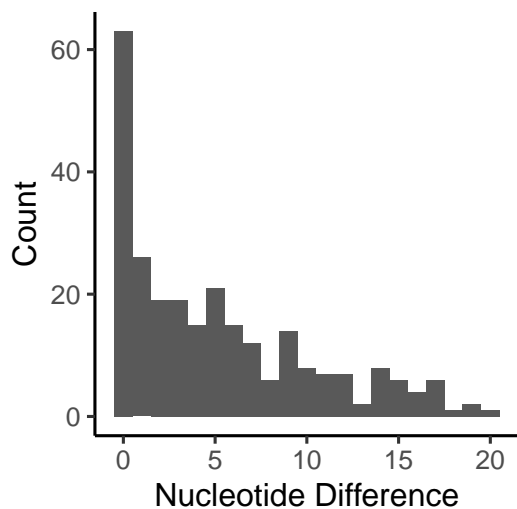
IGHV4/OR15-8*02

1 sequences assigned
No exact matches.



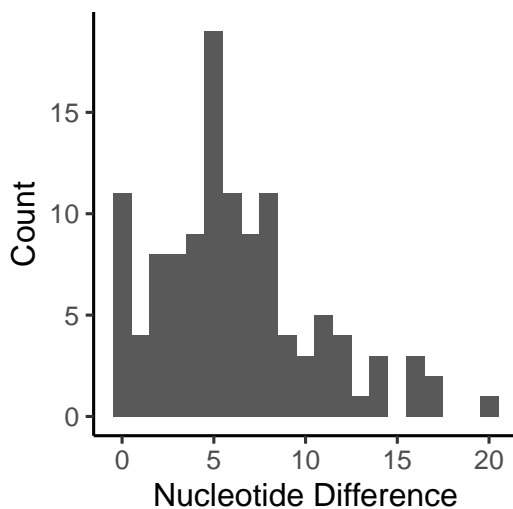
IGHV4-59*01

264 sequences assigned
63 (23.9%) exact matches, in which:
62 unique CDR3
6 unique J



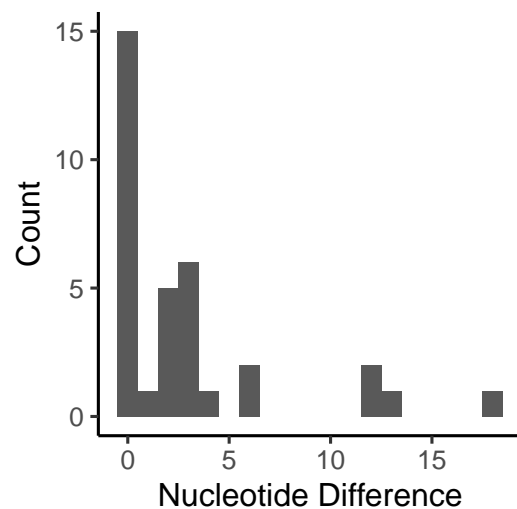
IGHV4-61*01

117 sequences assigned
11 (9.4%) exact matches, in which:
9 unique CDR3
3 unique J



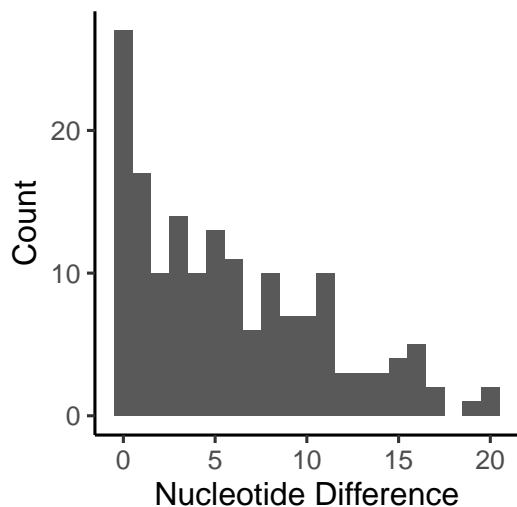
IGHV5-10-1*01

35 sequences assigned
15 (42.9%) exact matches, in which:
13 unique CDR3
5 unique J



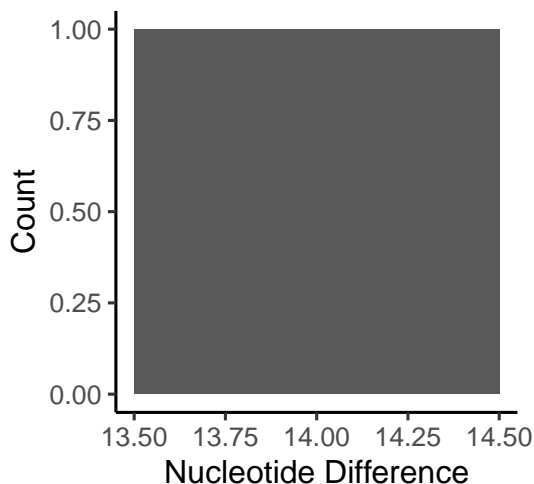
IGHV4-59*08

179 sequences assigned
27 (15.1%) exact matches, in which:
25 unique CDR3
4 unique J



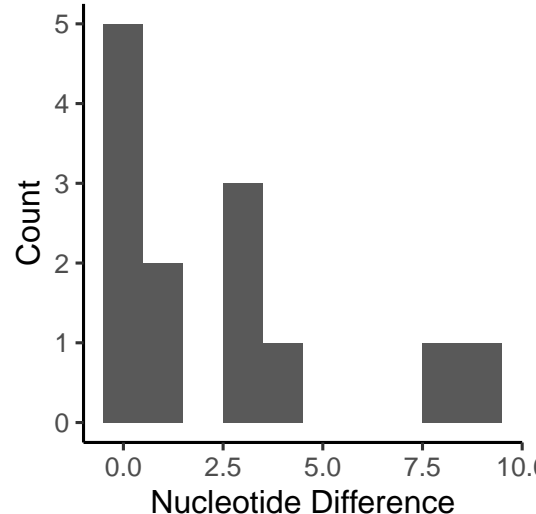
IGHV1/OR15-2*02

1 sequences assigned
No exact matches.



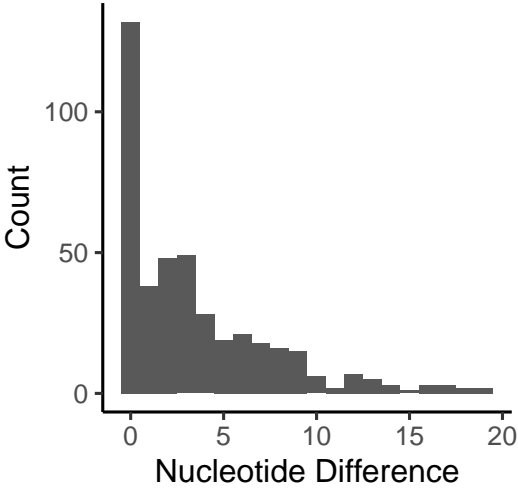
IGHV5-10-1*03

13 sequences assigned
5 (38.5%) exact matches, in which:
5 unique CDR3
3 unique J



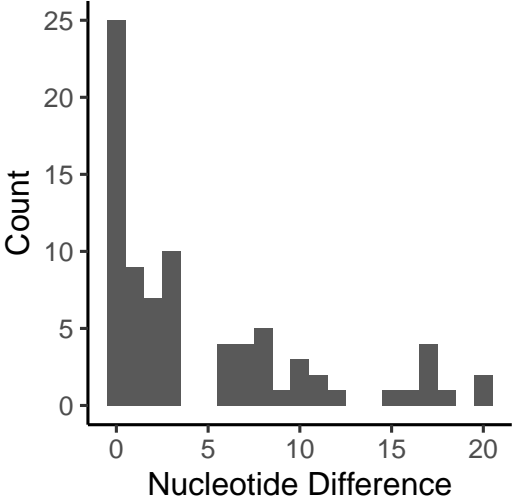
IGHV5–51*01

431 sequences assigned
132 (30.6%) exact matches, in which:
115 unique CDR3
5 unique J



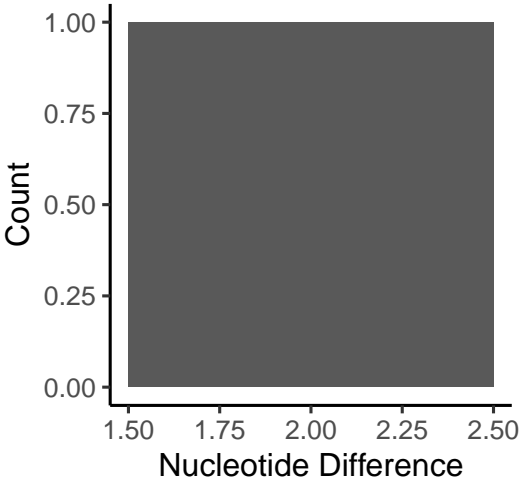
IGHV6–1*01

81 sequences assigned
25 (30.9%) exact matches, in which:
18 unique CDR3
6 unique J



IGHV3/OR16–6*02

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.