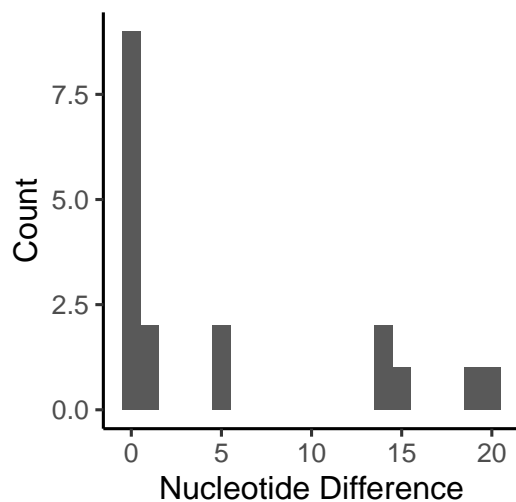


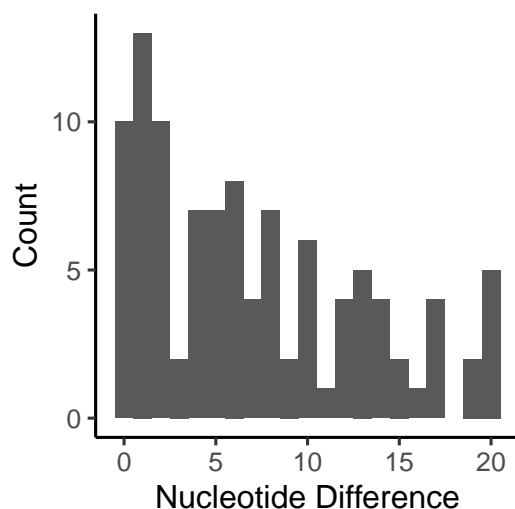
IGHV1-2*04

19 sequences assigned
9 (47.4%) exact matches, in which:
8 unique CDR3
3 unique J



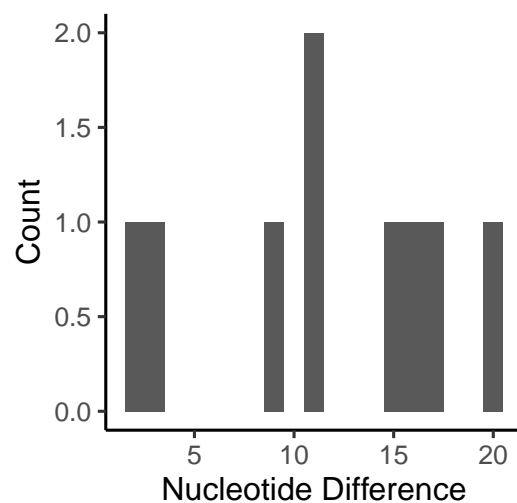
IGHV1-8*01

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



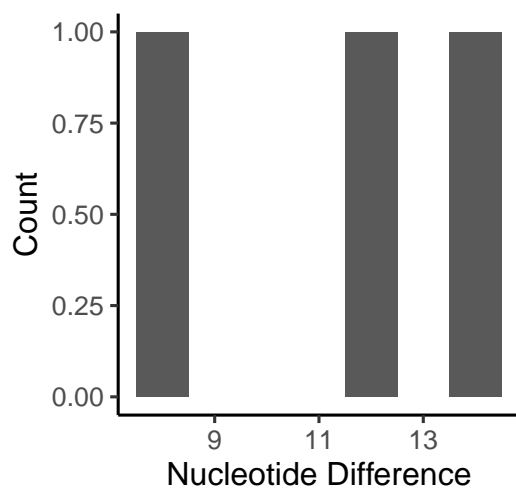
IGHV1-24*01

20 sequences assigned
No exact matches.



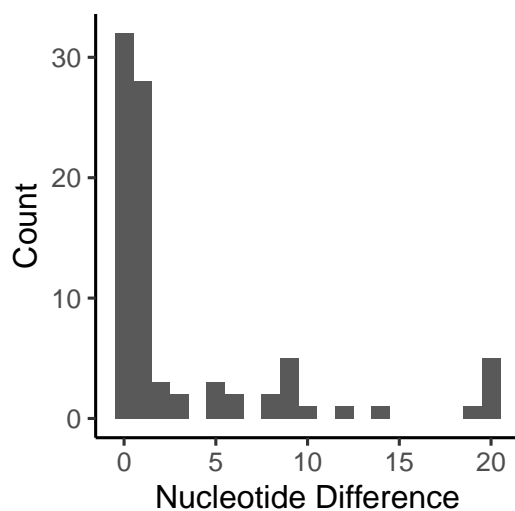
IGHV1-3*04

4 sequences assigned
No exact matches.



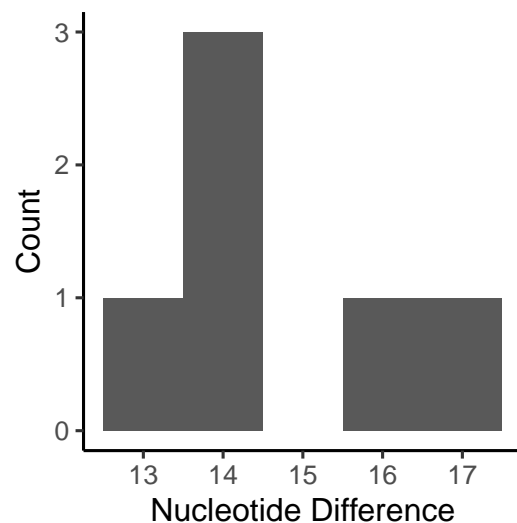
IGHV1-8*01_C90G_C177

106 sequences assigned
32 (30.2%) exact matches, in which:
21 unique CDR3
4 unique J



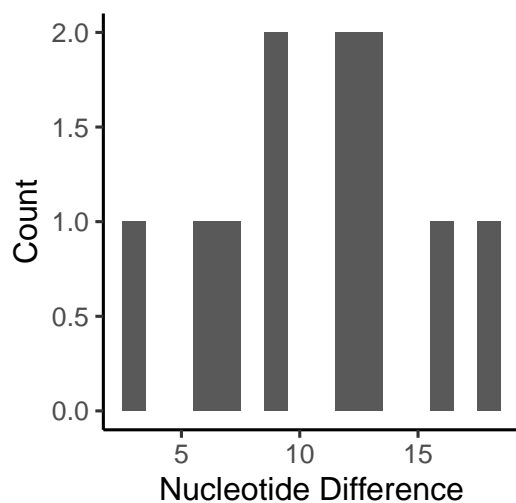
IGHV1-45*02

7 sequences assigned
No exact matches.



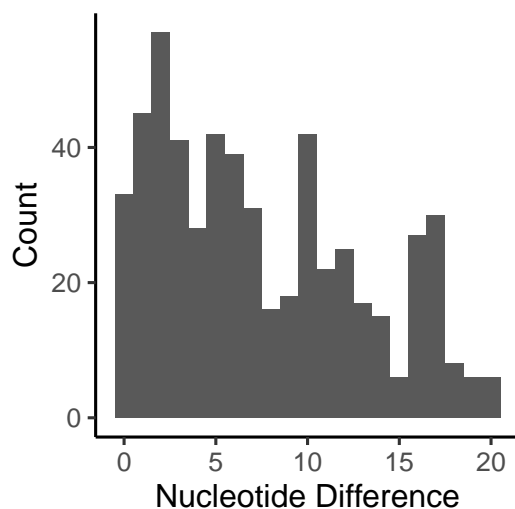
IGHV1-3*01_05

15 sequences assigned
No exact matches.



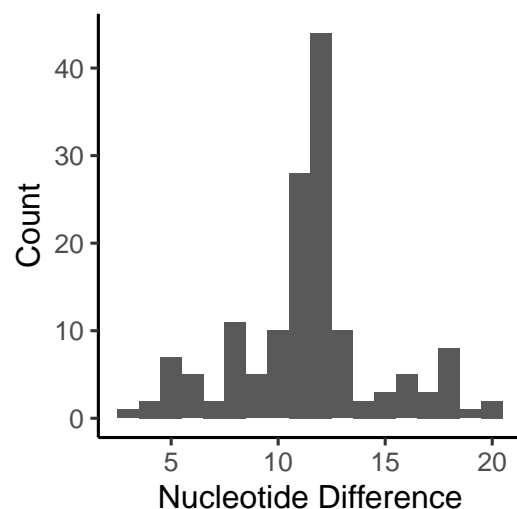
IGHV1-18*01

586 sequences assigned
33 (5.6%) exact matches, in which:
27 unique CDR3
4 unique J



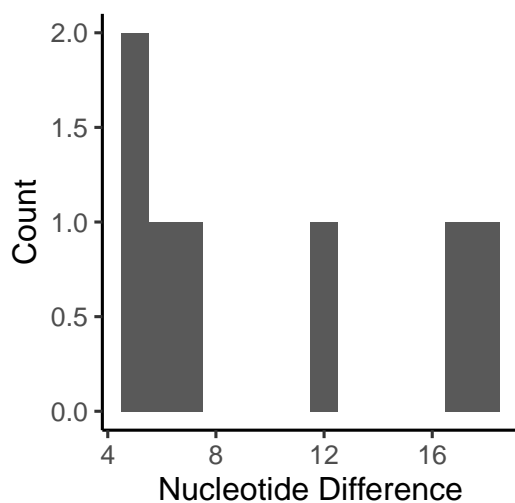
IGHV1-46*01

167 sequences assigned
No exact matches.



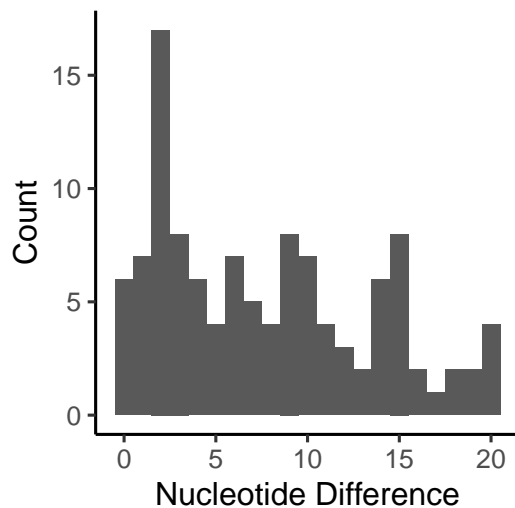
IGHV1-58*01_03

7 sequences assigned
No exact matches.



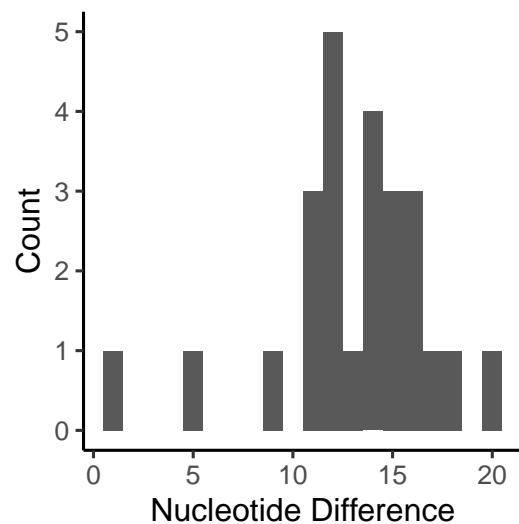
IGHV3-7*03

124 sequences assigned
6 (4.8%) exact matches, in which:
6 unique CDR3
4 unique J



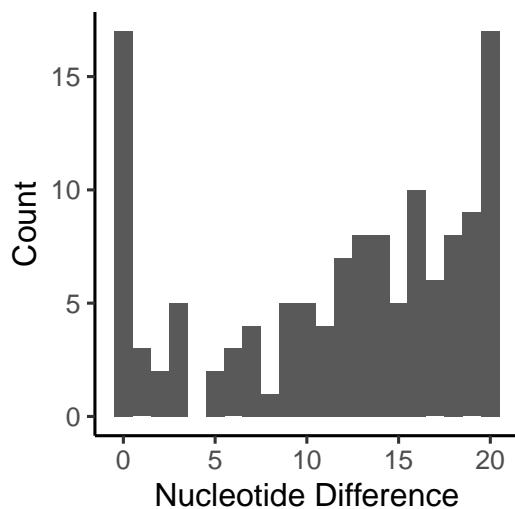
IGHV3-11*04

26 sequences assigned
No exact matches.



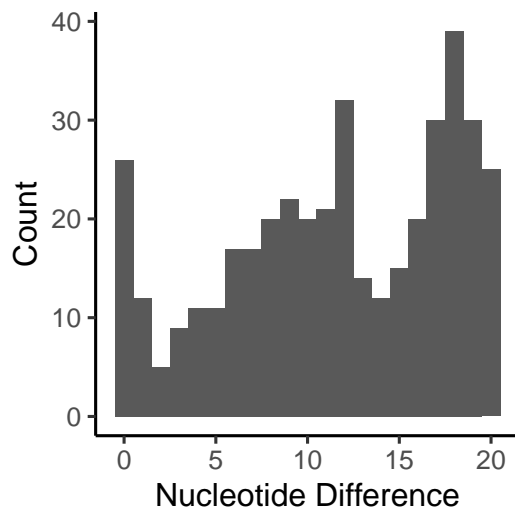
IGHV1-69*01_12_13

226 sequences assigned
17 (7.5%) exact matches, in which:
17 unique CDR3
4 unique J



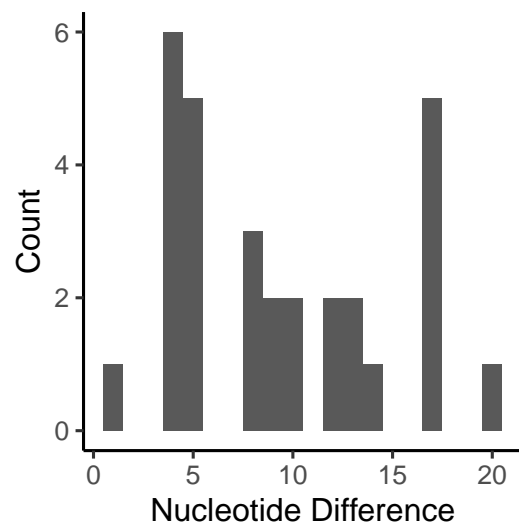
IGHV3-9*01

463 sequences assigned
26 (5.6%) exact matches, in which:
21 unique CDR3
4 unique J



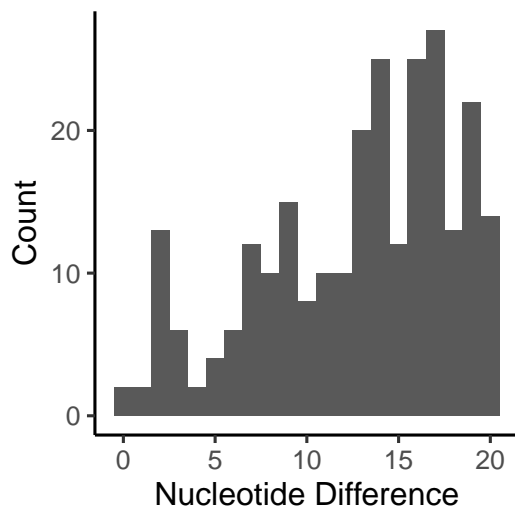
IGHV3-13*01

36 sequences assigned
No exact matches.



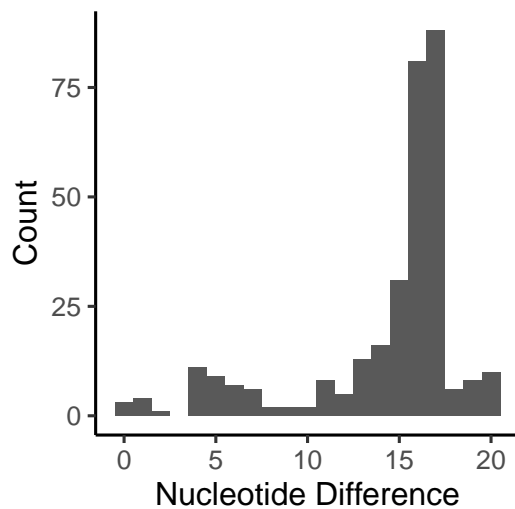
IGHV3-7*01

292 sequences assigned
2 (0.7%) exact matches, in which:
2 unique CDR3
2 unique J



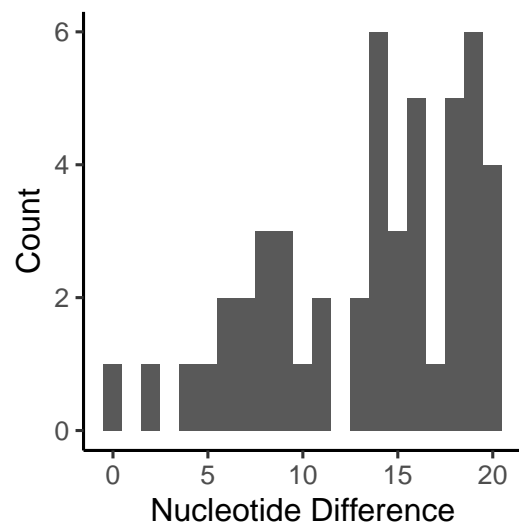
IGHV3-11*01

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



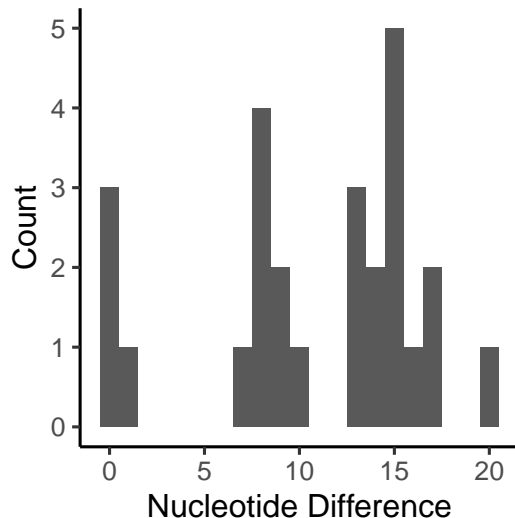
IGHV3-15*07

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



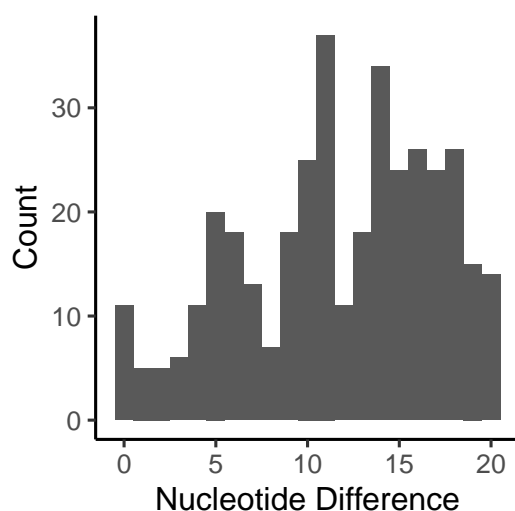
IGHV3-15*01_02

29 sequences assigned
3 (10.3%) exact matches, in which:
2 unique CDR3
1 unique J



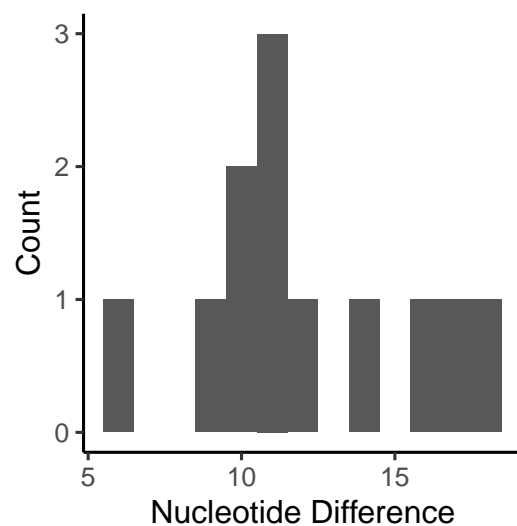
IGHV3-23*01_04

428 sequences assigned
11 (2.6%) exact matches, in which:
9 unique CDR3
4 unique J



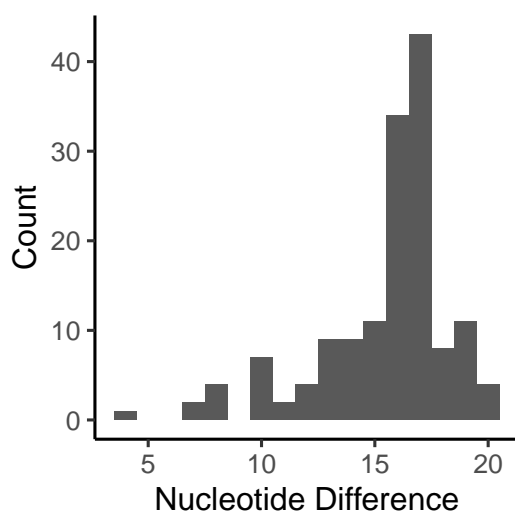
IGHV3-30*07

12 sequences assigned
No exact matches.



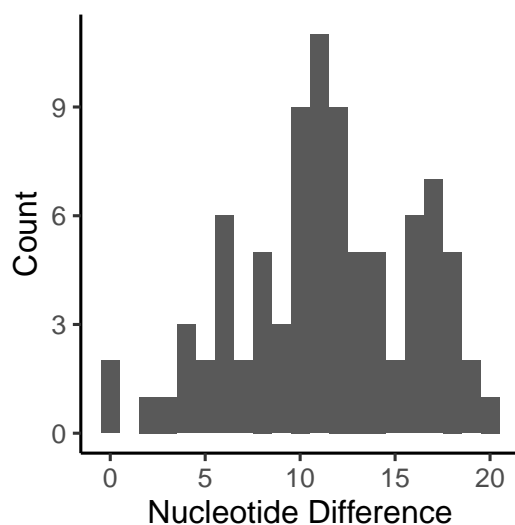
IGHV3-20*03_04

158 sequences assigned
No exact matches.



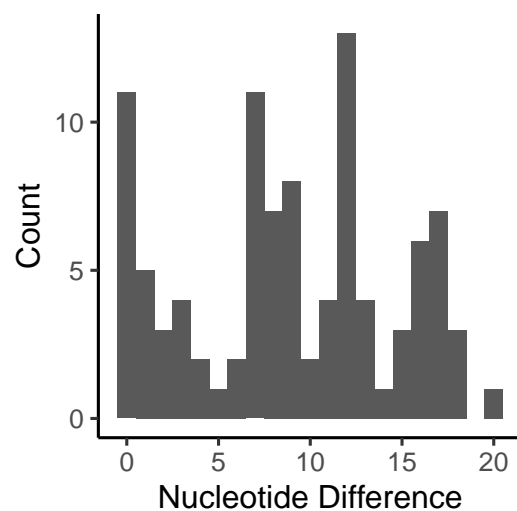
IGHV3-30*01

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



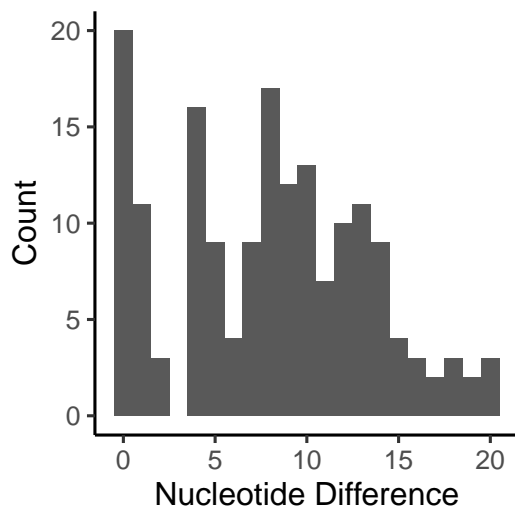
IGHV3-33*01

119 sequences assigned
11 (9.2%) exact matches, in which:
5 unique CDR3
2 unique J



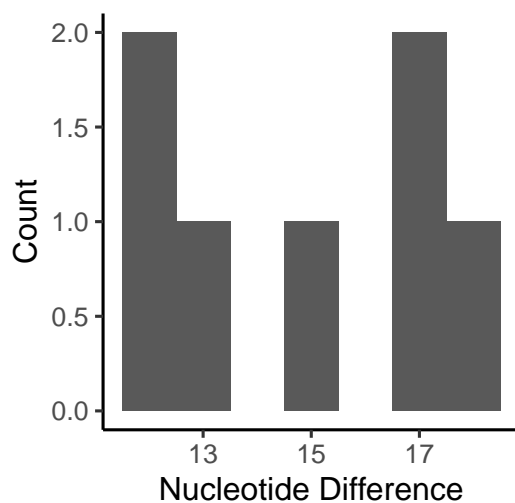
IGHV3-21*01_02

199 sequences assigned
20 (10.1%) exact matches, in which:
15 unique CDR3
3 unique J



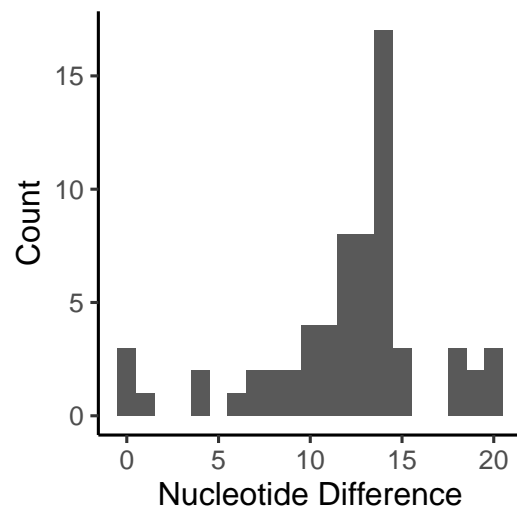
IGHV3-30-3*03

12 sequences assigned
No exact matches.



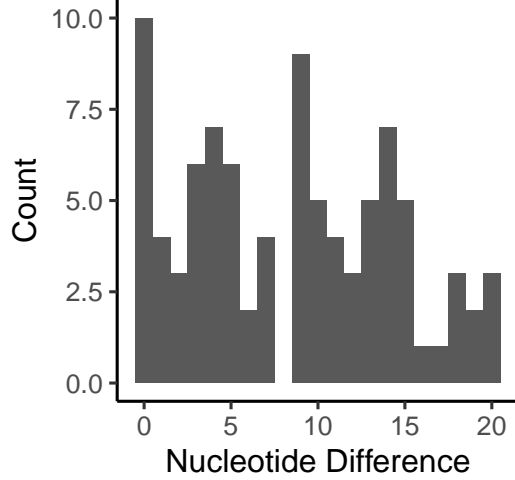
IGHV3-33*08

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



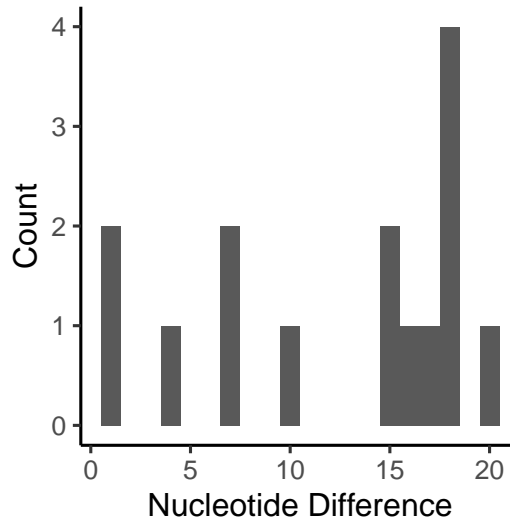
IGHV3-48*02

96 sequences assigned
10 (10.4%) exact matches, in which:
5 unique CDR3
3 unique J



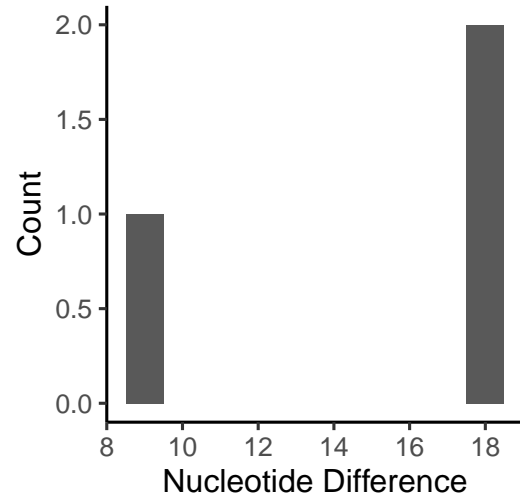
IGHV3-49*03_05

17 sequences assigned
No exact matches.



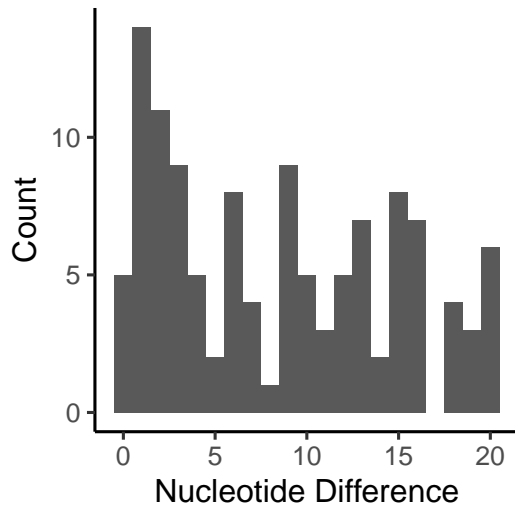
IGHV3-66*04

3 sequences assigned
No exact matches.



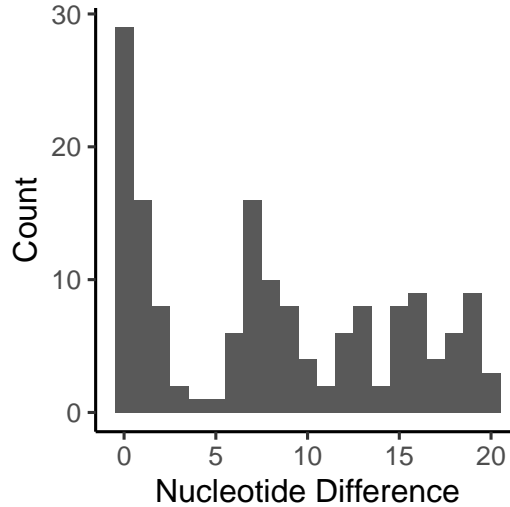
IGHV3-48*03

181 sequences assigned
5 (2.8%) exact matches, in which:
5 unique CDR3
2 unique J



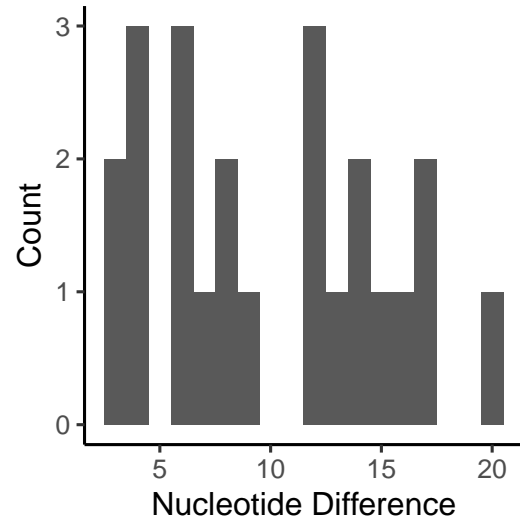
IGHV3-53*01_02

178 sequences assigned
29 (16.3%) exact matches, in which:
13 unique CDR3
3 unique J



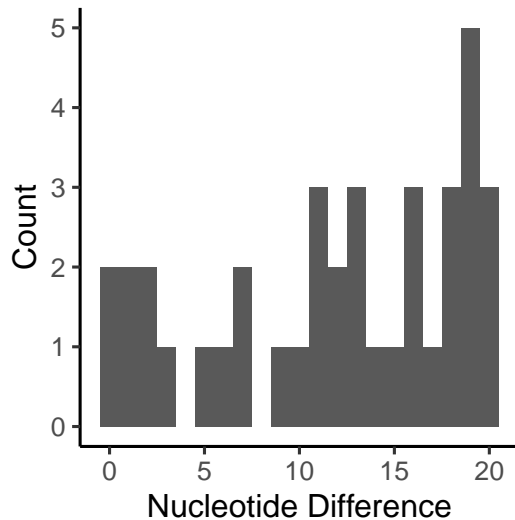
IGHV3-72*01

23 sequences assigned
No exact matches.



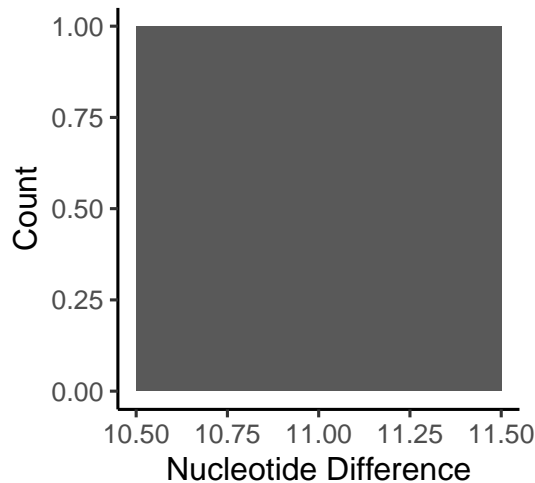
IGHV3-49*04

40 sequences assigned
2 (5%) exact matches, in which:
2 unique CDR3
1 unique J



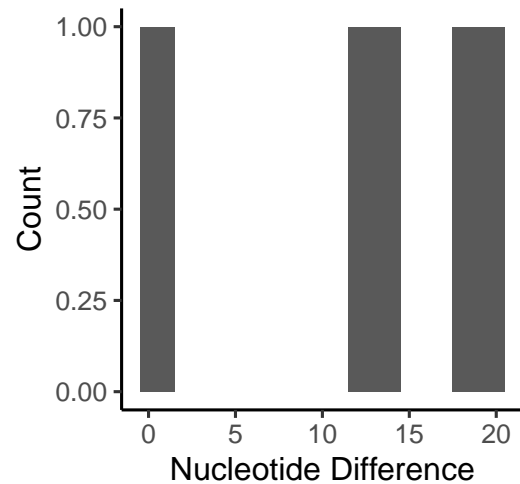
IGHV3-64*02_07

1 sequences assigned
No exact matches.



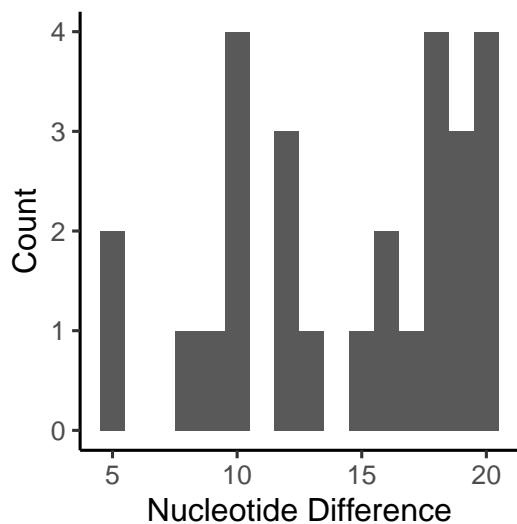
IGHV3-73*01_02

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J



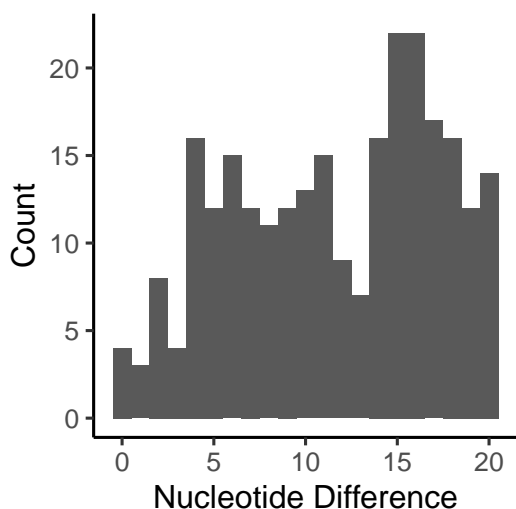
IGHV3-74*03

36 sequences assigned
No exact matches.



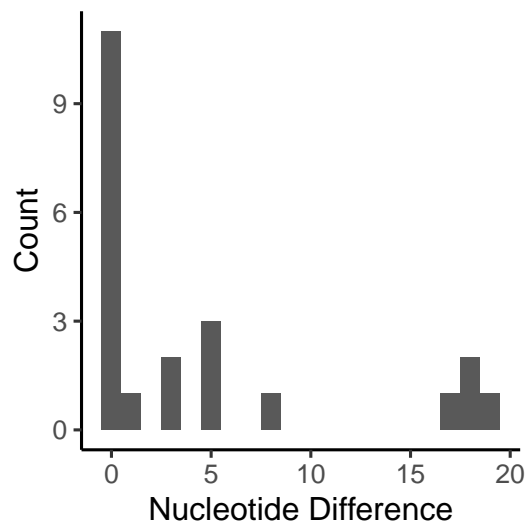
IGHV4-4*02_03

315 sequences assigned
4 (1.3%) exact matches, in which:
4 unique CDR3
2 unique J



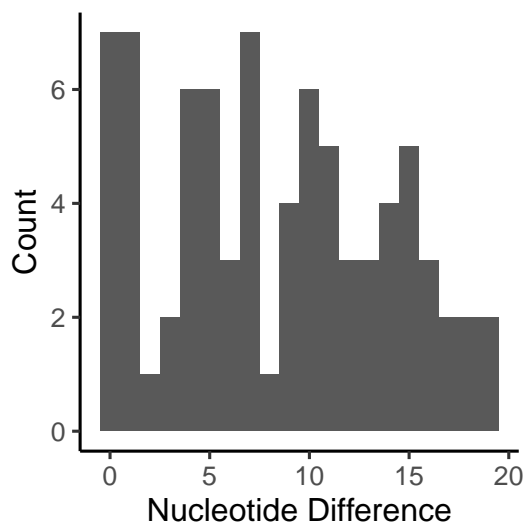
IGHV4-31*01

39 sequences assigned
11 (28.2%) exact matches, in which:
6 unique CDR3
4 unique J



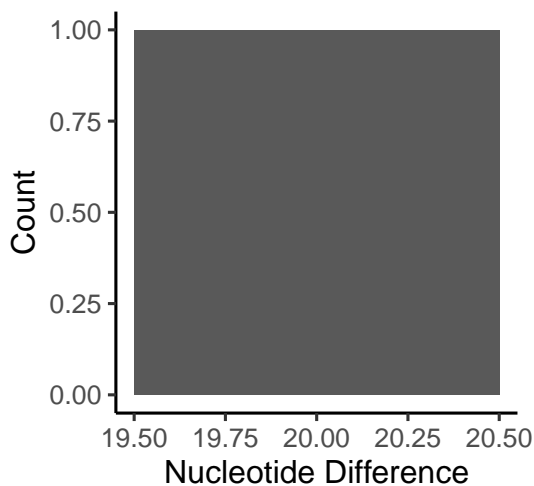
IGHV3-74*01_02

88 sequences assigned
7 (8%) exact matches, in which:
6 unique CDR3
2 unique J



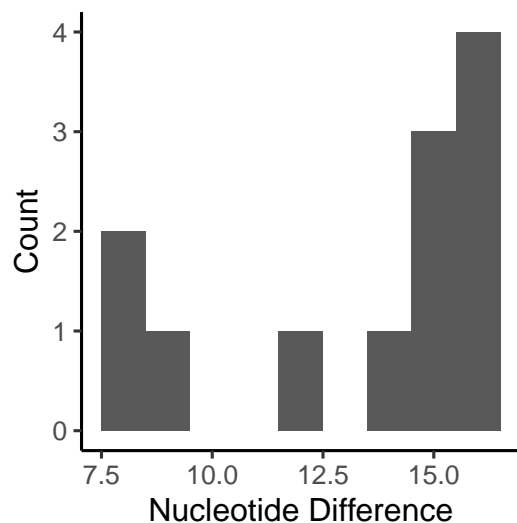
IGHV4-28*03

30 sequences assigned
No exact matches.



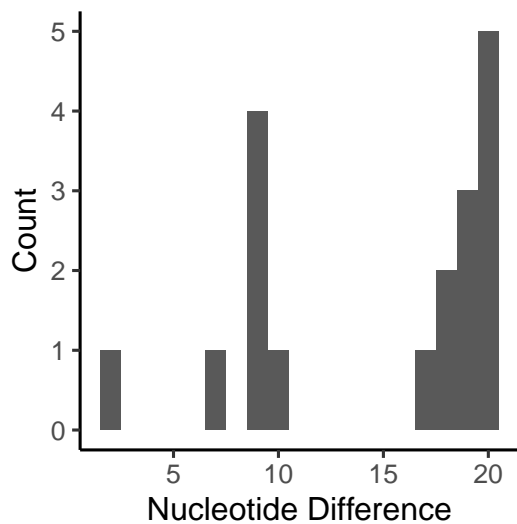
IGHV4-31*02

15 sequences assigned
No exact matches.



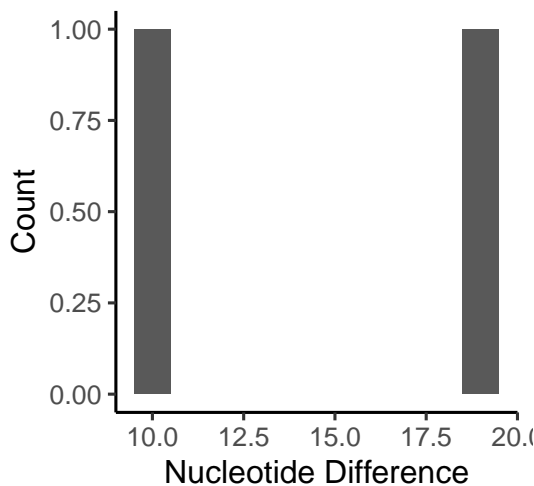
IGHV3-43D*04

33 sequences assigned
No exact matches.



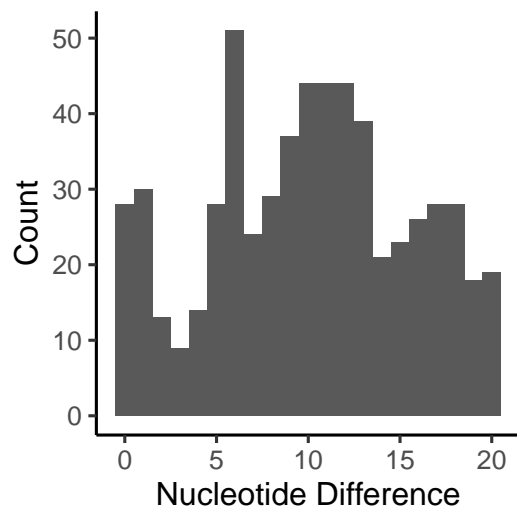
IGHV4-30-2*03

2 sequences assigned
No exact matches.



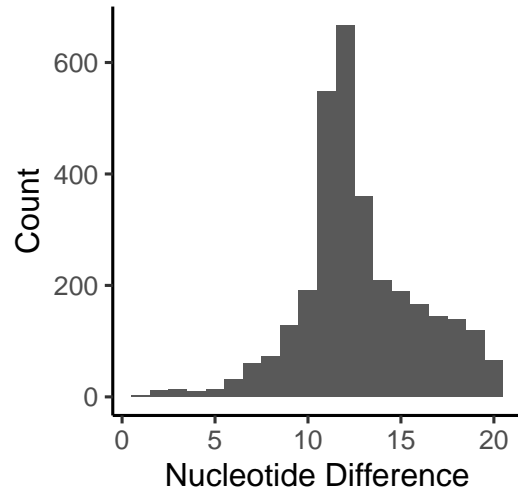
IGHV4-34*01_02

808 sequences assigned
28 (3.5%) exact matches, in which:
19 unique CDR3
4 unique J



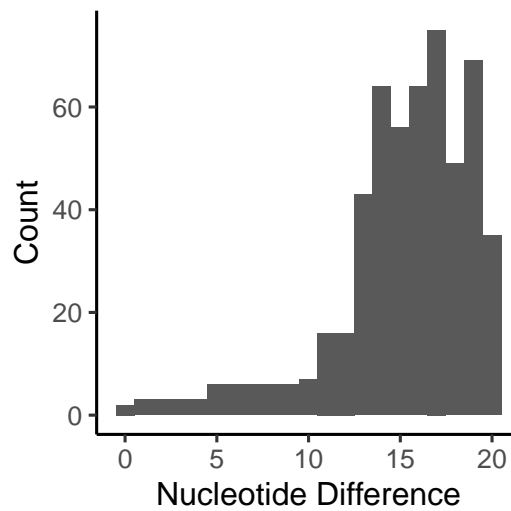
IGHV4-38-2*01

3614 sequences assigned
No exact matches.



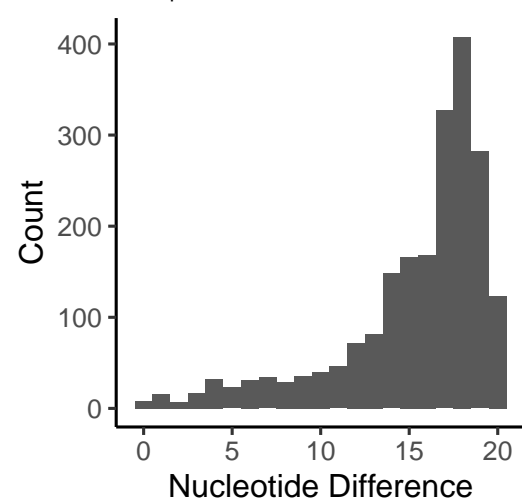
IGHV4-59*08

671 sequences assigned
2 (0.3%) exact matches, in which:
2 unique CDR3
2 unique J



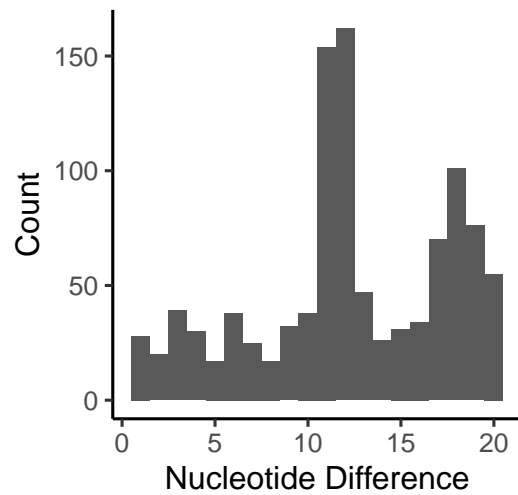
IGHV4-61*01

2323 sequences assigned
8 (0.3%) exact matches, in which:
6 unique CDR3
4 unique J



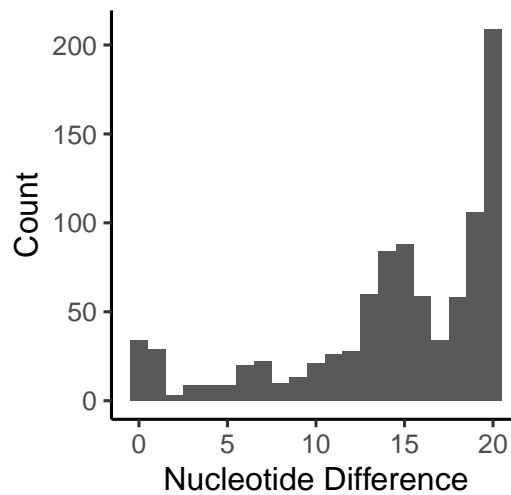
IGHV4-39*02

1158 sequences assigned
No exact matches.



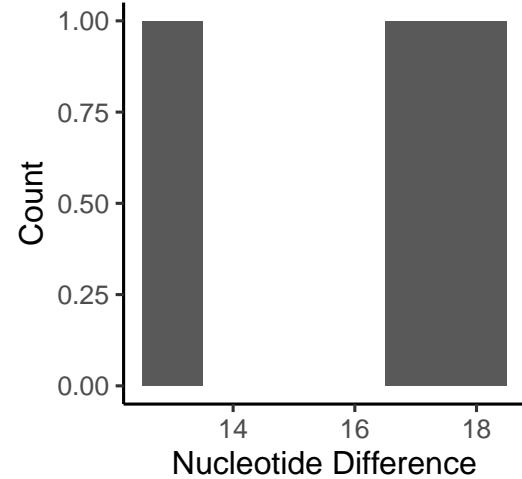
IGHV4-59*01_07

1392 sequences assigned
34 (2.4%) exact matches, in which:
13 unique CDR3
5 unique J



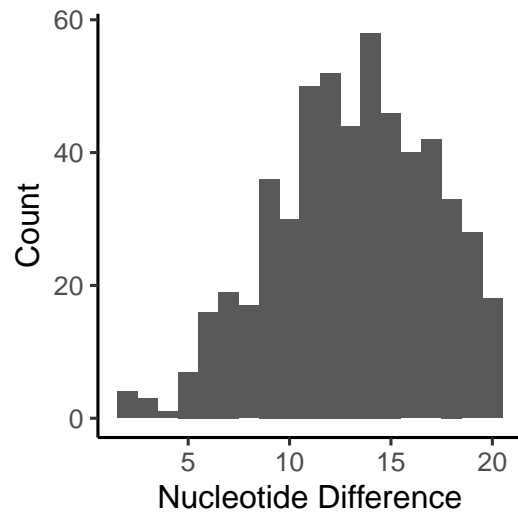
IGHV4/OR15-8*01

3 sequences assigned
No exact matches.



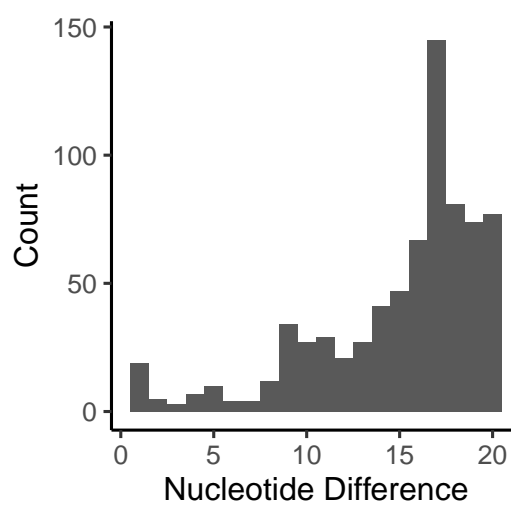
IGHV4-39*07

586 sequences assigned
No exact matches.



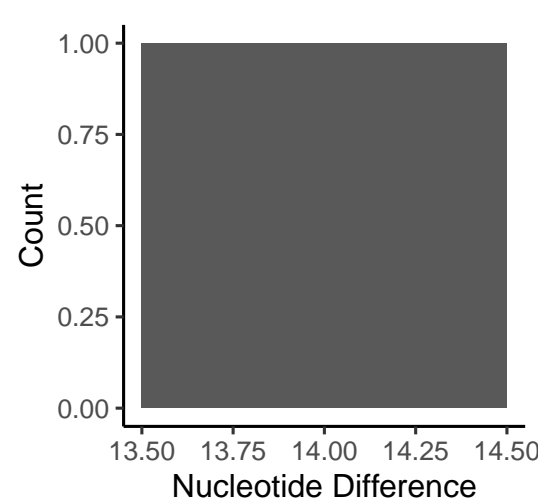
IGHV4-59*12

1031 sequences assigned
No exact matches.



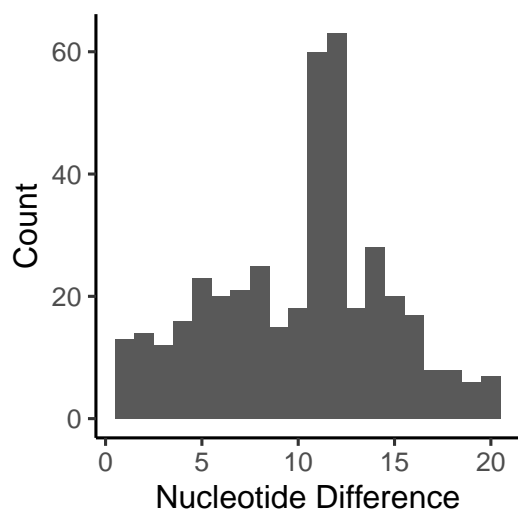
IGHV4/OR15-8*02

1 sequences assigned
No exact matches.



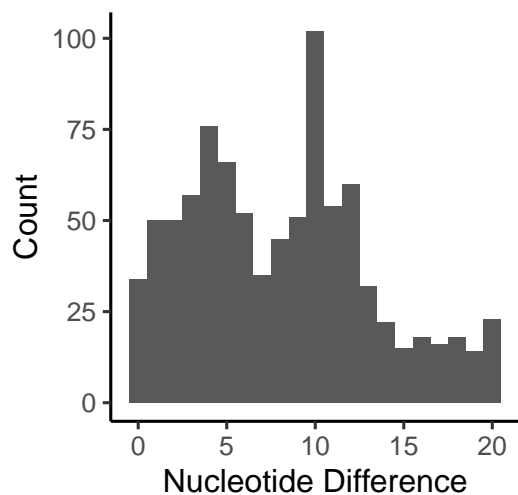
IGHV5-51*07

442 sequences assigned
No exact matches.



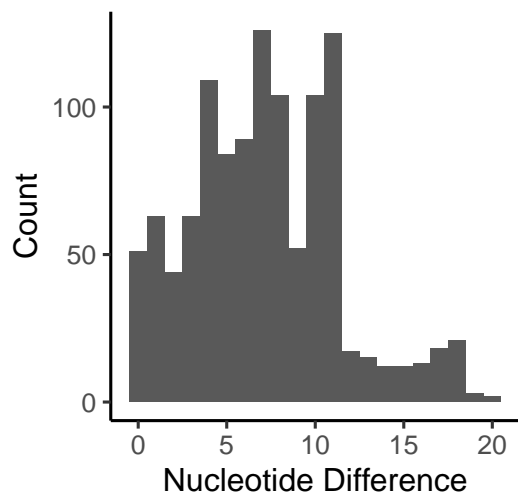
IGHV5-51*01_03

1058 sequences assigned
34 (3.2%) exact matches, in which:
29 unique CDR3
4 unique J



IGHV6-1*01_02

1129 sequences assigned
51 (4.5%) exact matches, in which:
29 unique CDR3
6 unique J





Warning – no inferred sequences found.