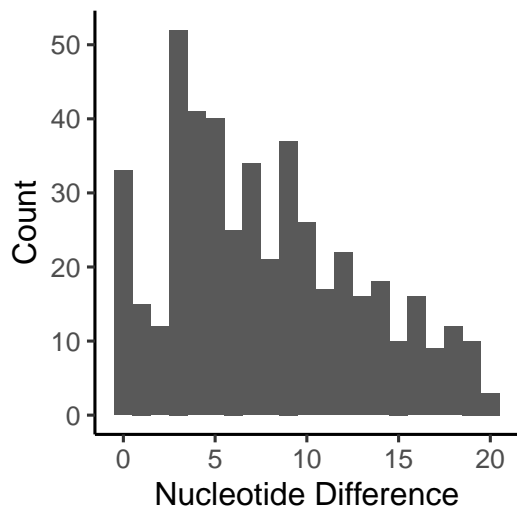


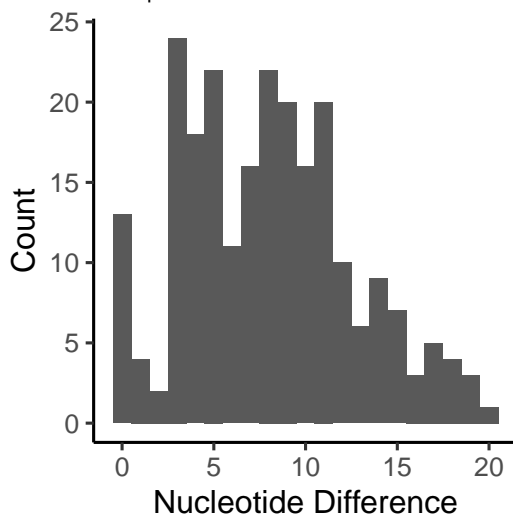
IGHV1-2*02

495 sequences assigned
33 (6.7%) exact matches, in which:
29 unique CDR3
5 unique J



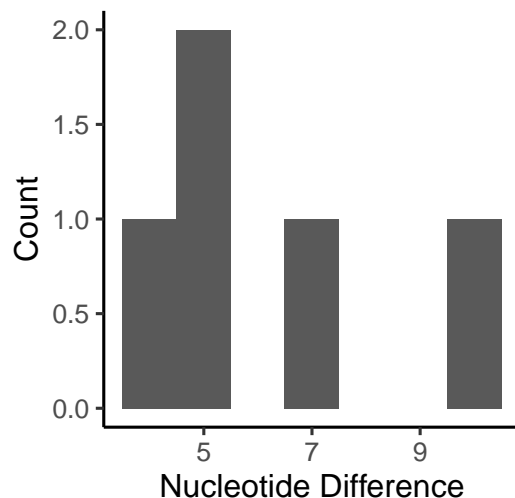
IGHV1-18*01

241 sequences assigned
13 (5.4%) exact matches, in which:
13 unique CDR3
4 unique J



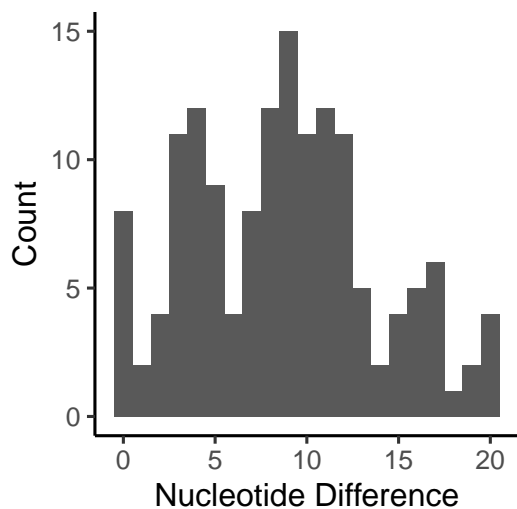
IGHV1-45*02

5 sequences assigned
No exact matches.



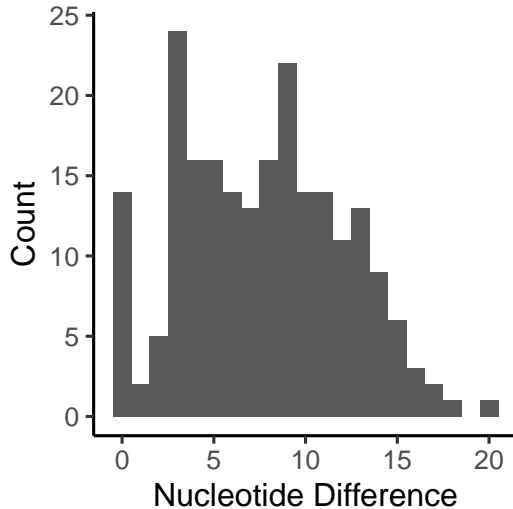
IGHV1-3*01_05

148 sequences assigned
8 (5.4%) exact matches, in which:
8 unique CDR3
4 unique J



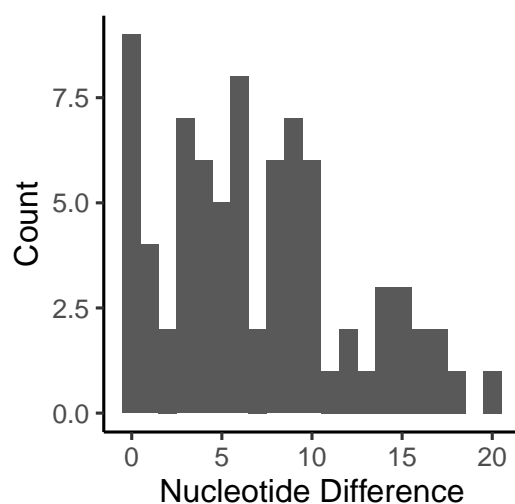
IGHV1-18*04

223 sequences assigned
14 (6.3%) exact matches, in which:
13 unique CDR3
4 unique J



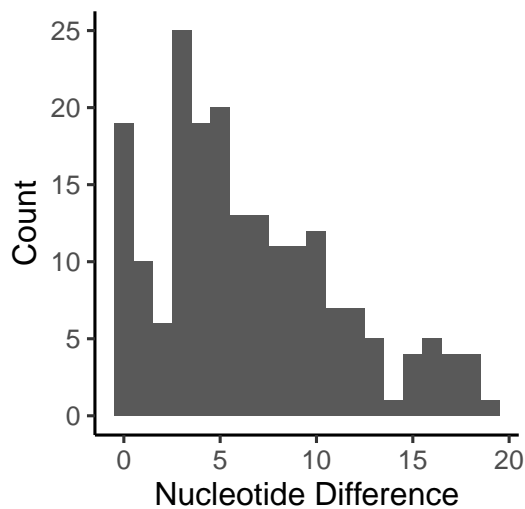
IGHV1-46*01

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



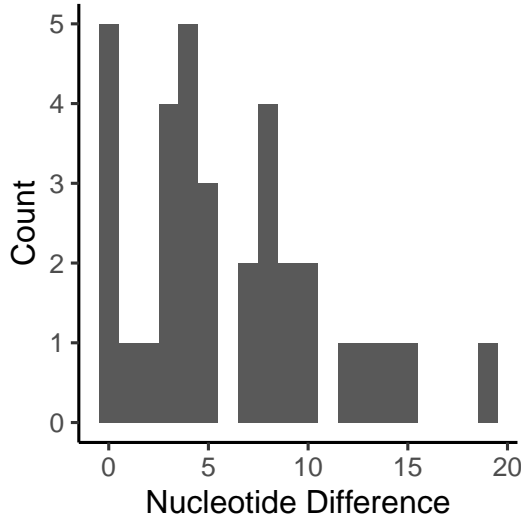
IGHV1-8*01

201 sequences assigned
19 (9.5%) exact matches, in which:
19 unique CDR3
4 unique J



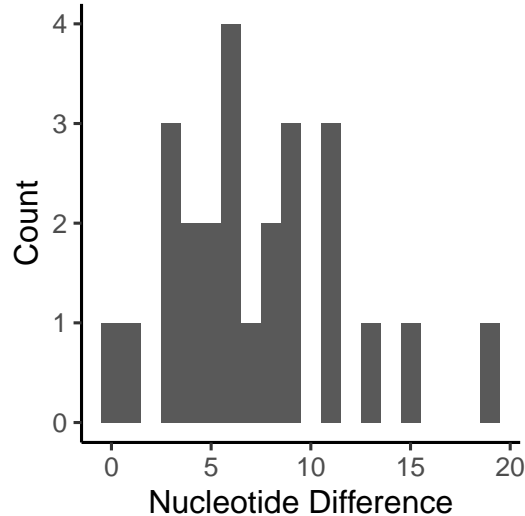
IGHV1-24*01

34 sequences assigned
5 (14.7%) exact matches, in which:
5 unique CDR3
2 unique J



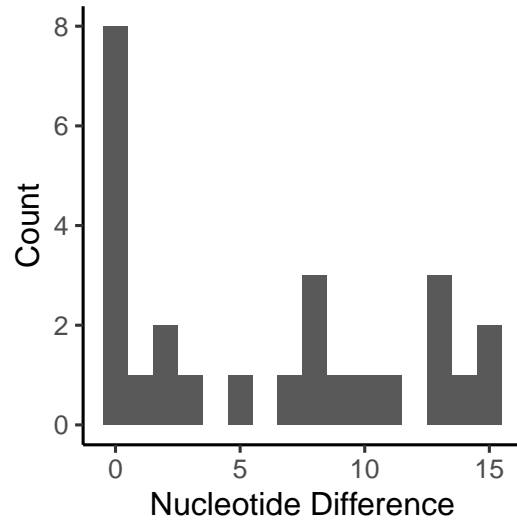
IGHV1-46*03

26 sequences assigned
1 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



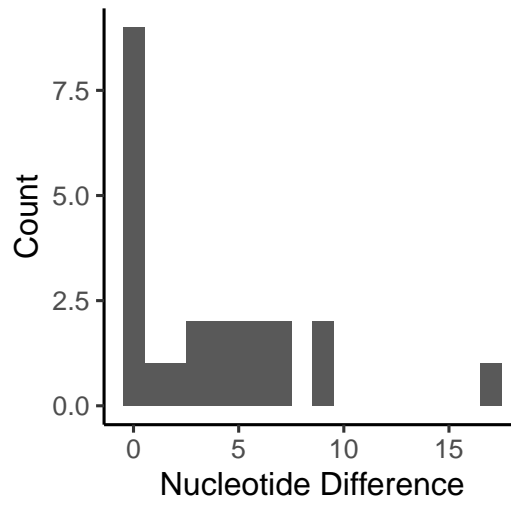
IGHV1-58*01_03

26 sequences assigned
8 (30.8%) exact matches, in which:
7 unique CDR3
3 unique J



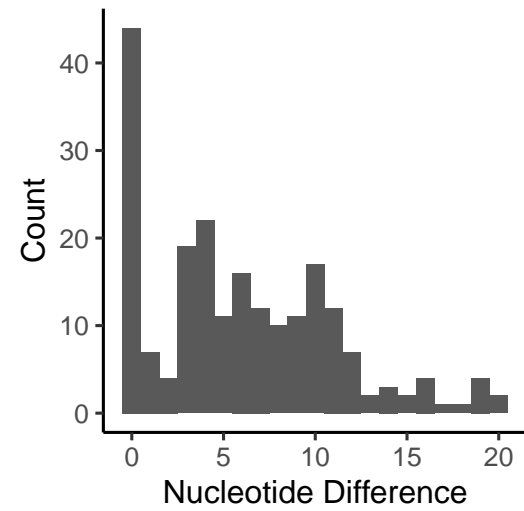
IGHV2-26*01

24 sequences assigned
9 (37.5%) exact matches, in which:
9 unique CDR3
4 unique J



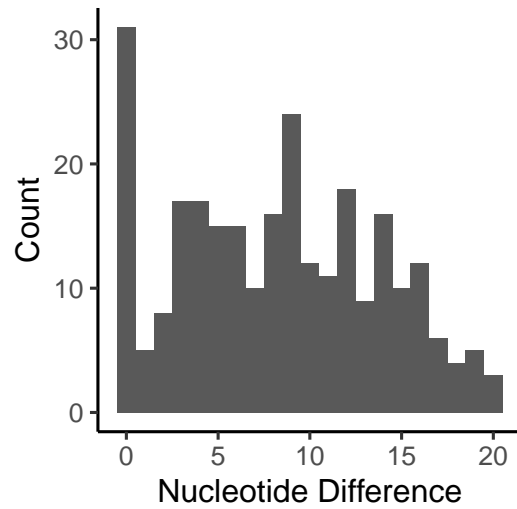
IGHV3-9*01

219 sequences assigned
44 (20.1%) exact matches, in which:
30 unique CDR3
4 unique J



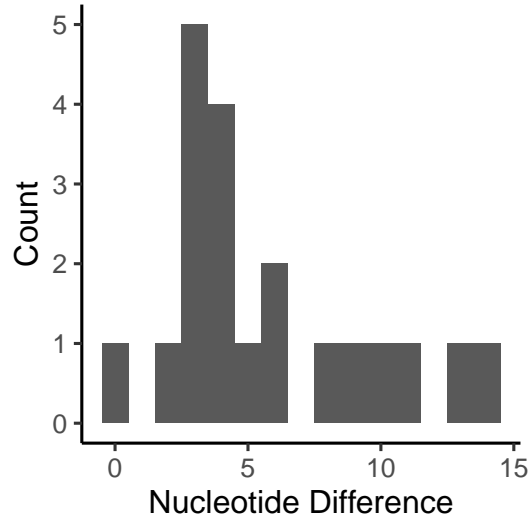
IGHV1-69*01_12_13

272 sequences assigned
31 (11.4%) exact matches, in which:
31 unique CDR3
6 unique J



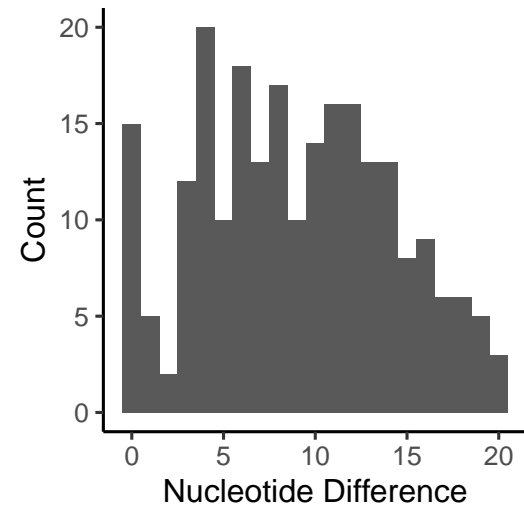
IGHV2-70*01

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



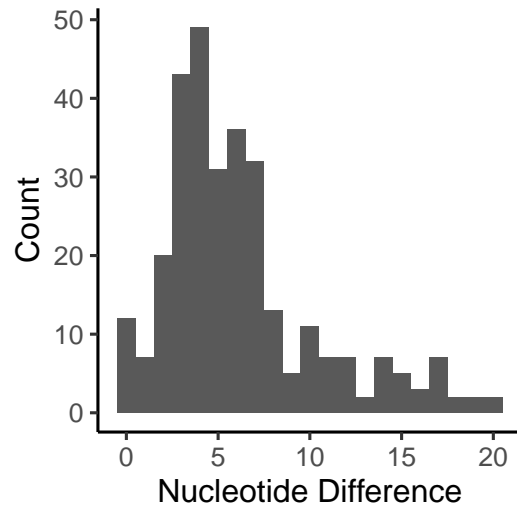
IGHV3-11*01

243 sequences assigned
15 (6.2%) exact matches, in which:
11 unique CDR3
4 unique J



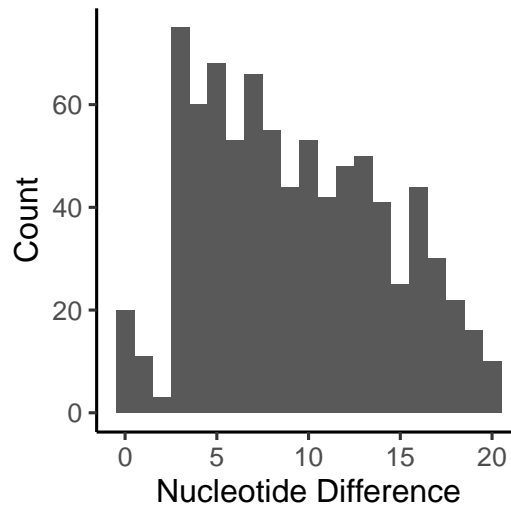
IGHV2-5*01

309 sequences assigned
12 (3.9%) exact matches, in which:
10 unique CDR3
4 unique J



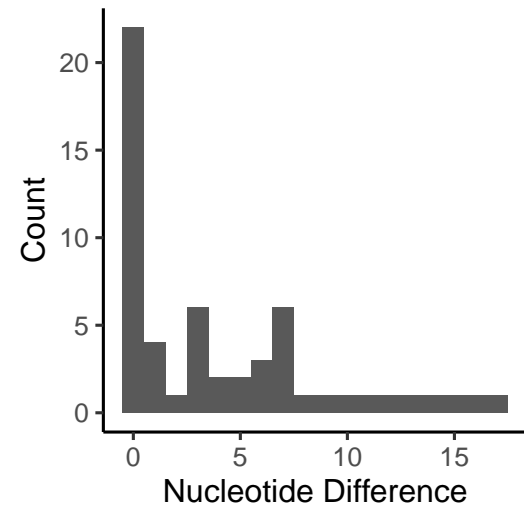
IGHV3-7*01

868 sequences assigned
20 (2.3%) exact matches, in which:
18 unique CDR3
4 unique J



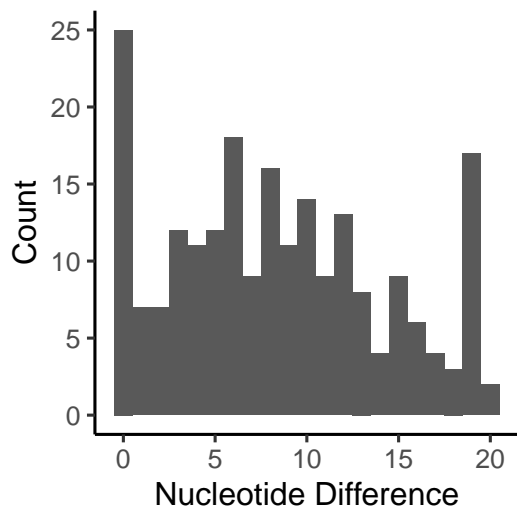
IGHV3-13*01

57 sequences assigned
22 (38.6%) exact matches, in which:
11 unique CDR3
2 unique J



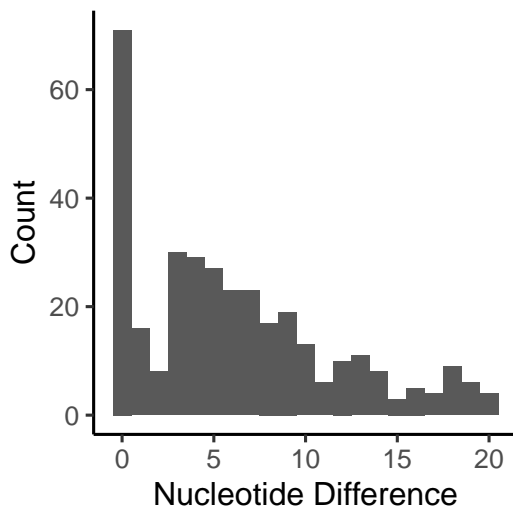
IGHV3-15*01_02

225 sequences assigned
25 (11.1%) exact matches, in which:
15 unique CDR3
3 unique J



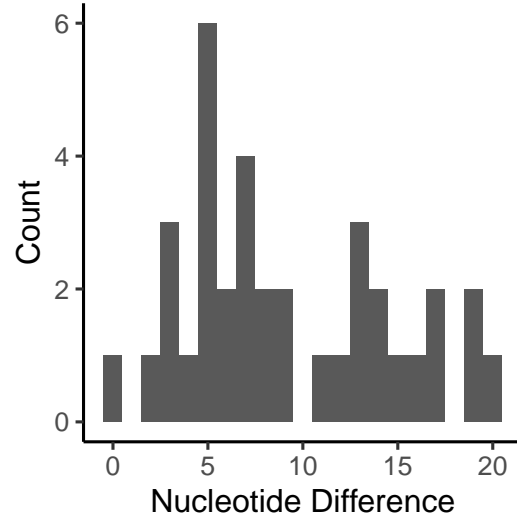
IGHV3-21*01_02

349 sequences assigned
71 (20.3%) exact matches, in which:
42 unique CDR3
4 unique J



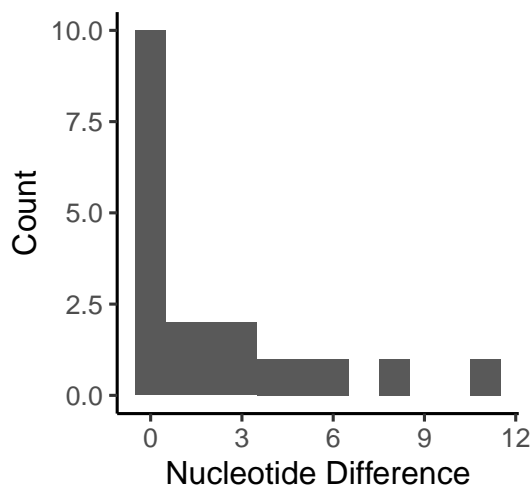
IGHV3-30*03

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



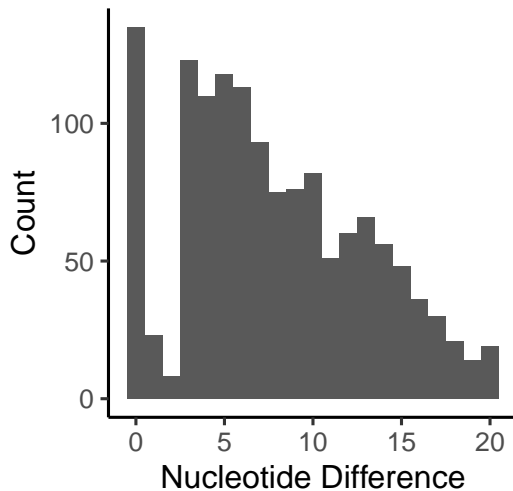
IGHV3-20*01_02

23 sequences assigned
10 (43.5%) exact matches, in which:
6 unique CDR3
3 unique J



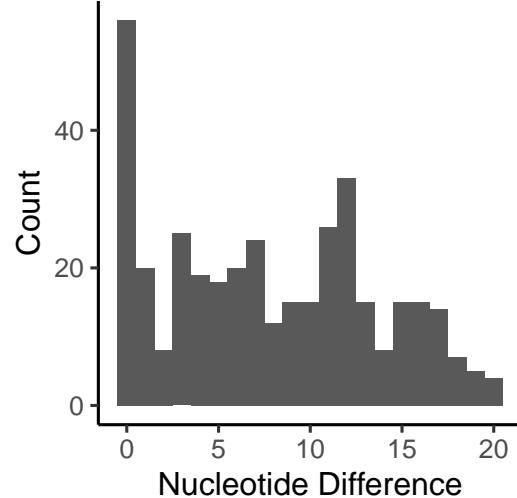
IGHV3-23*01_04

1412 sequences assigned
135 (9.6%) exact matches, in which:
76 unique CDR3
5 unique J



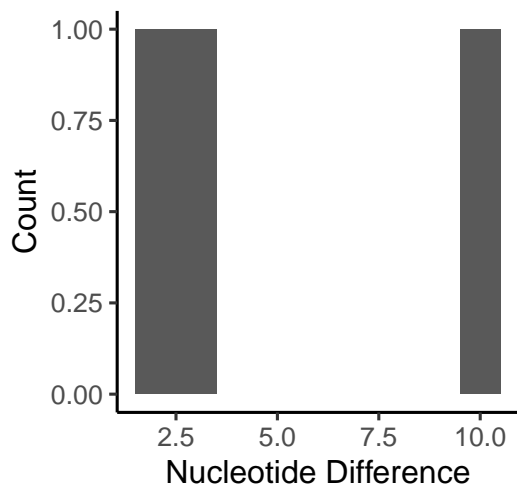
IGHV3-33*01

384 sequences assigned
56 (14.6%) exact matches, in which:
32 unique CDR3
5 unique J



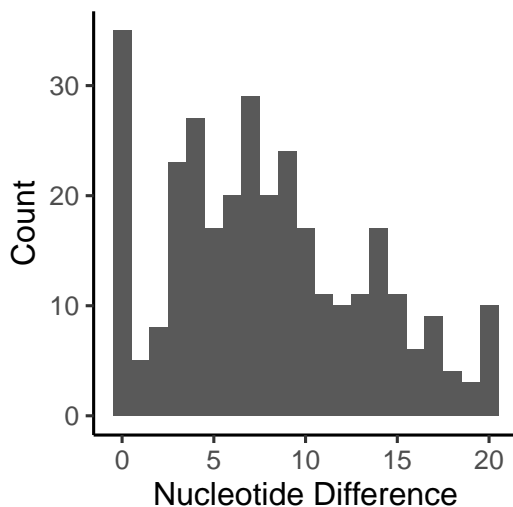
IGHV3-20*03_04

3 sequences assigned
No exact matches.



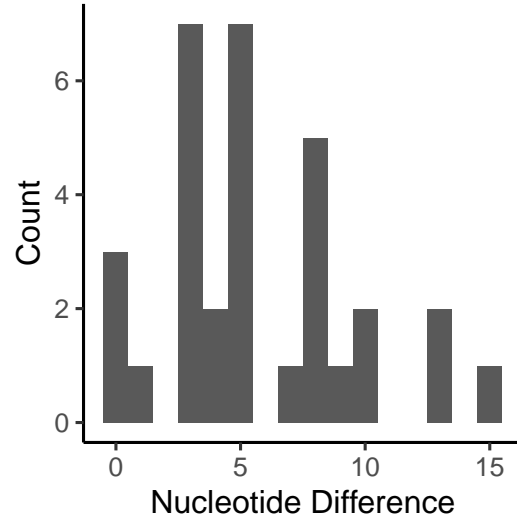
IGHV3-30-3*01

338 sequences assigned
35 (10.4%) exact matches, in which:
23 unique CDR3
4 unique J



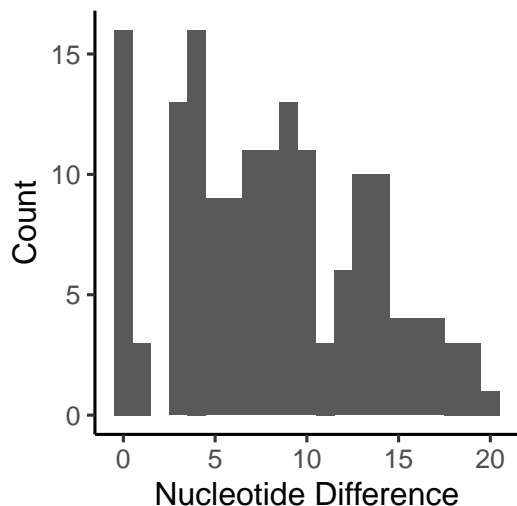
IGHV3-43*01

32 sequences assigned
3 (9.4%) exact matches, in which:
2 unique CDR3
2 unique J



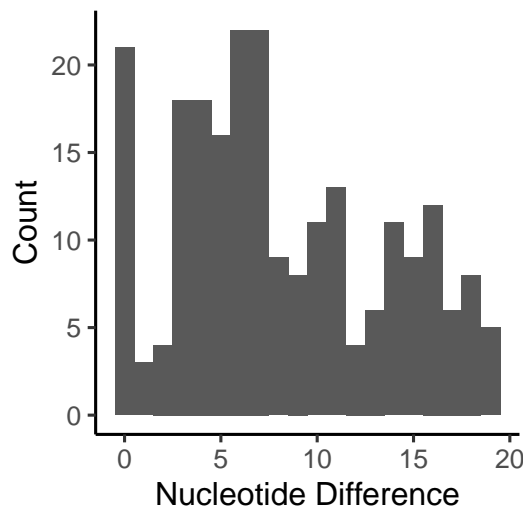
IGHV3-48*01

177 sequences assigned
16 (9%) exact matches, in which:
11 unique CDR3
2 unique J



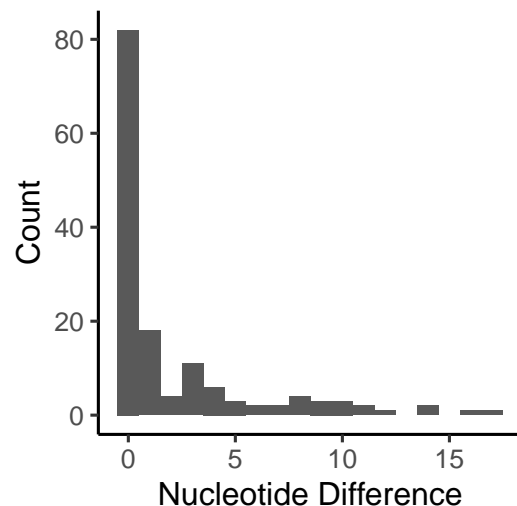
IGHV3-53*01_02

231 sequences assigned
21 (9.1%) exact matches, in which:
16 unique CDR3
5 unique J



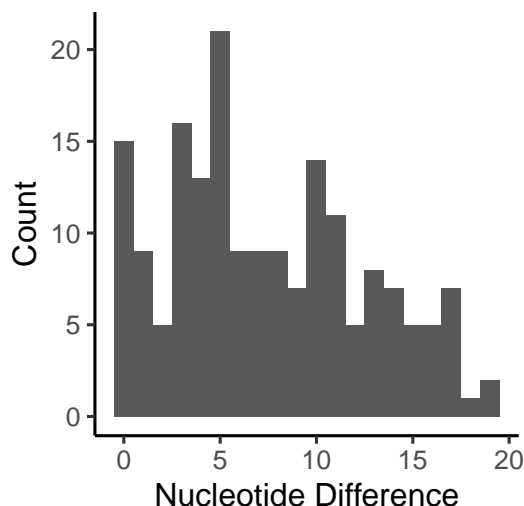
IGHV3-73*01_02

145 sequences assigned
82 (56.6%) exact matches, in which:
49 unique CDR3
4 unique J



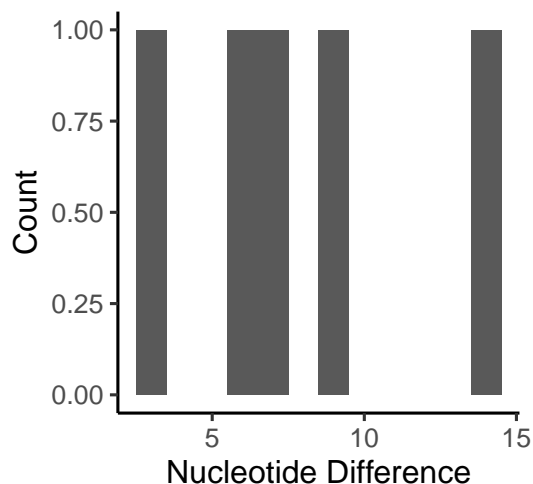
IGHV3-48*02

190 sequences assigned
15 (7.9%) exact matches, in which:
10 unique CDR3
4 unique J



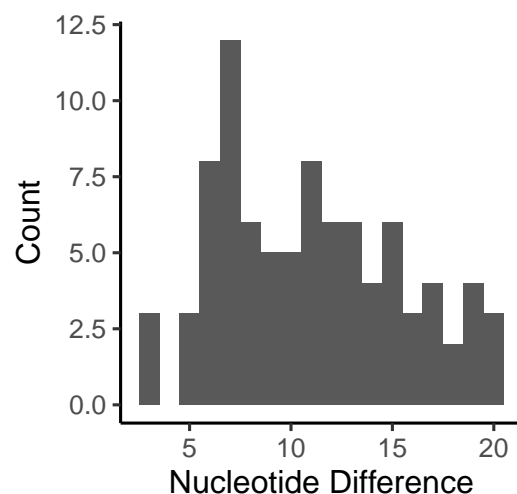
IGHV3-64*02_07

5 sequences assigned
No exact matches.



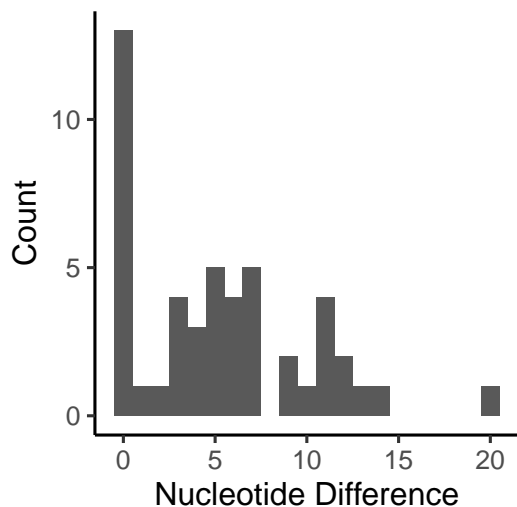
IGHV3-74*03

96 sequences assigned
No exact matches.



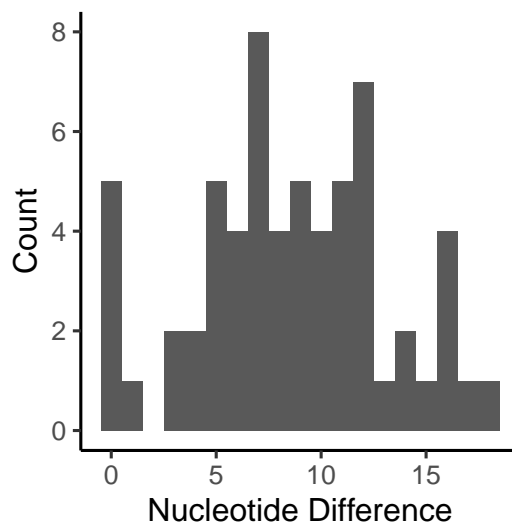
IGHV3-49*03_05

48 sequences assigned
13 (27.1%) exact matches, in which:
7 unique CDR3
2 unique J



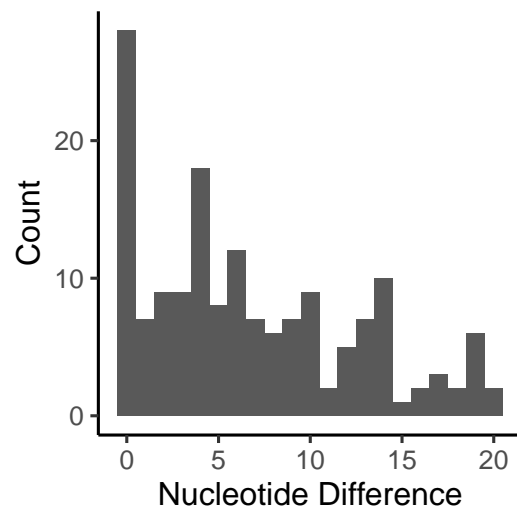
IGHV3-72*01

62 sequences assigned
5 (8.1%) exact matches, in which:
2 unique CDR3
2 unique J



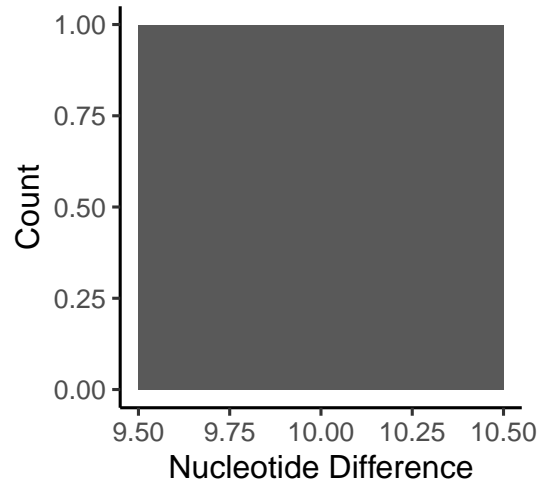
IGHV3-74*01_02

161 sequences assigned
28 (17.4%) exact matches, in which:
15 unique CDR3
4 unique J



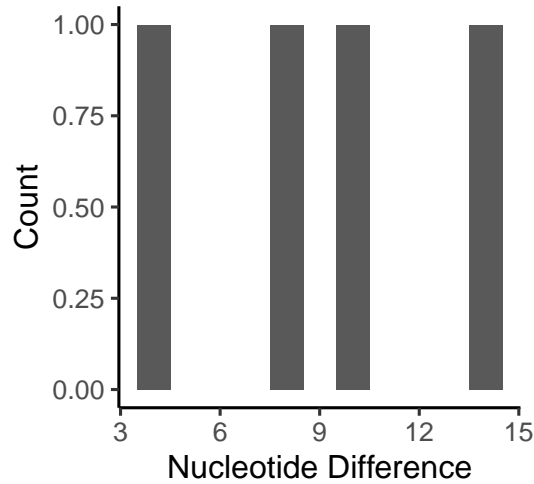
IGHV3–NL1*01

1 sequences assigned
No exact matches.



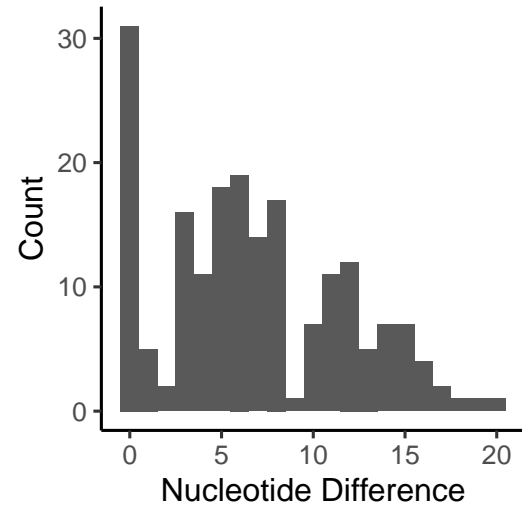
IGHV4–28*01_07

4 sequences assigned
No exact matches.



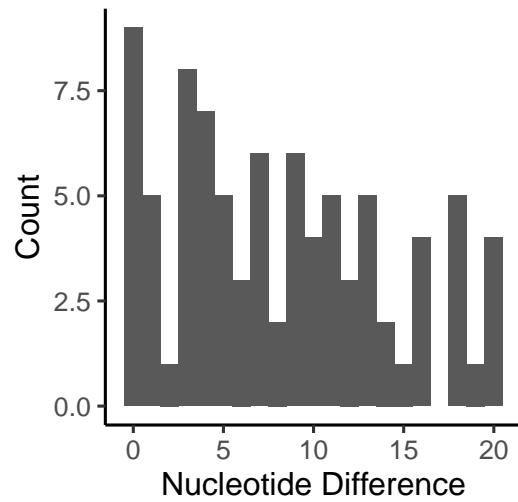
IGHV4–31*02

205 sequences assigned
31 (15.1%) exact matches, in which:
24 unique CDR3
5 unique J



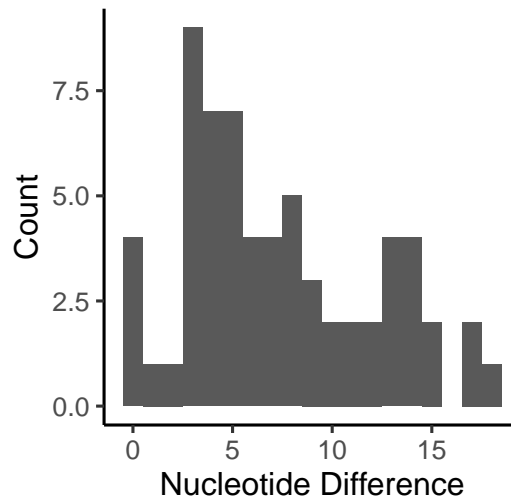
IGHV4–4*07

89 sequences assigned
9 (10.1%) exact matches, in which:
6 unique CDR3
3 unique J



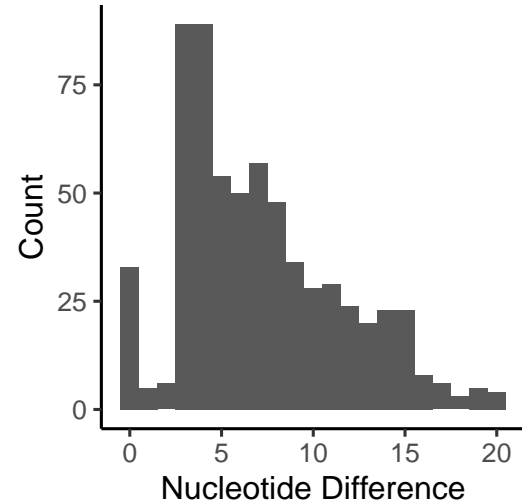
IGHV4–30–4*01

66 sequences assigned
4 (6.1%) exact matches, in which:
3 unique CDR3
2 unique J



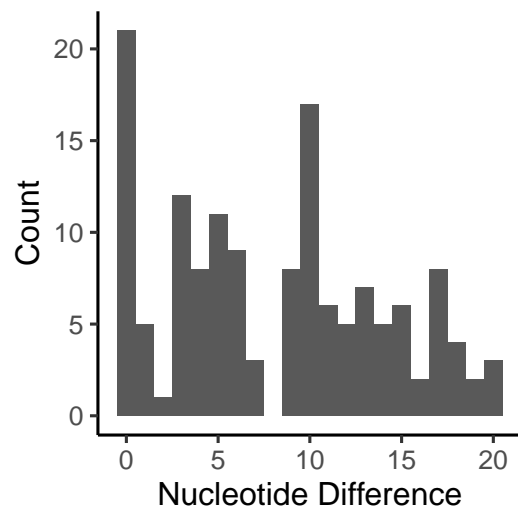
IGHV4–34*01_02

661 sequences assigned
33 (5%) exact matches, in which:
31 unique CDR3
5 unique J



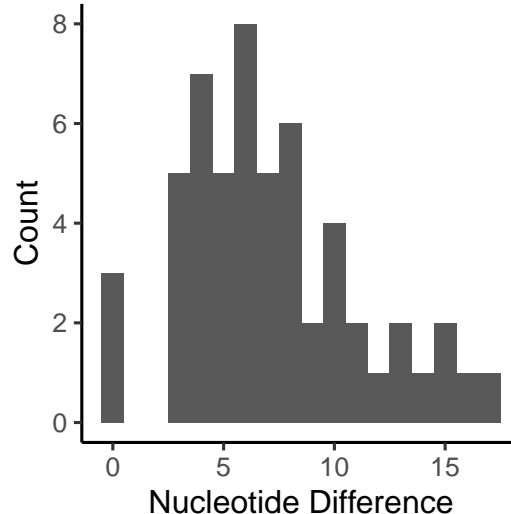
IGHV4–4*02_03

156 sequences assigned
21 (13.5%) exact matches, in which:
12 unique CDR3
3 unique J



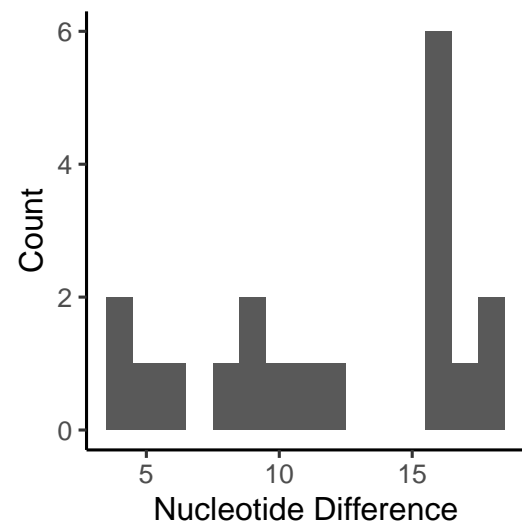
IGHV4–30–2*01

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



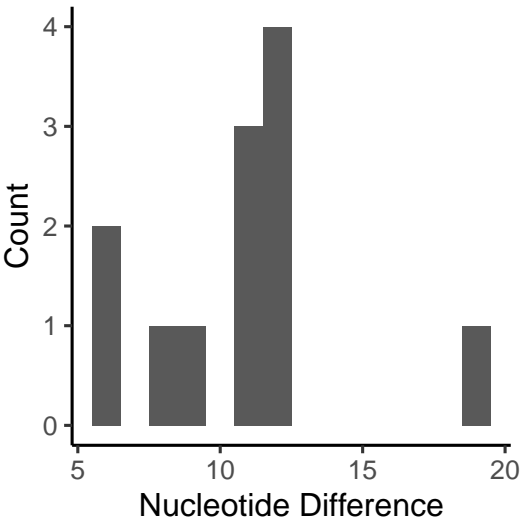
IGHV4–39*02

20 sequences assigned
No exact matches.



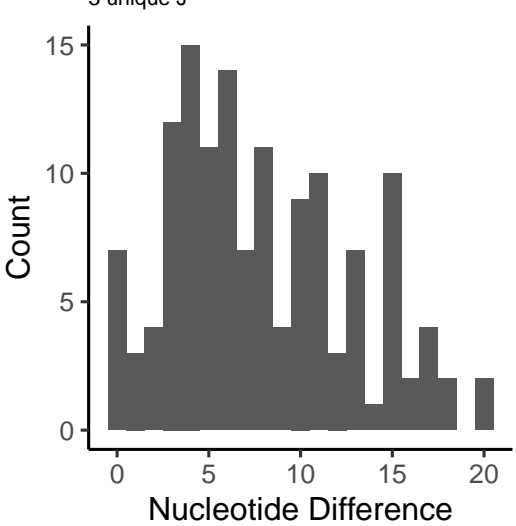
IGHV4-59*02

14 sequences assigned
No exact matches.



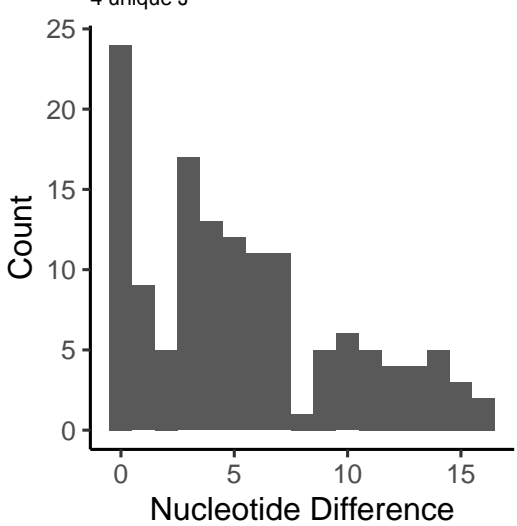
IGHV4-61*01

143 sequences assigned
7 (4.9%) exact matches, in which:
7 unique CDR3
3 unique J



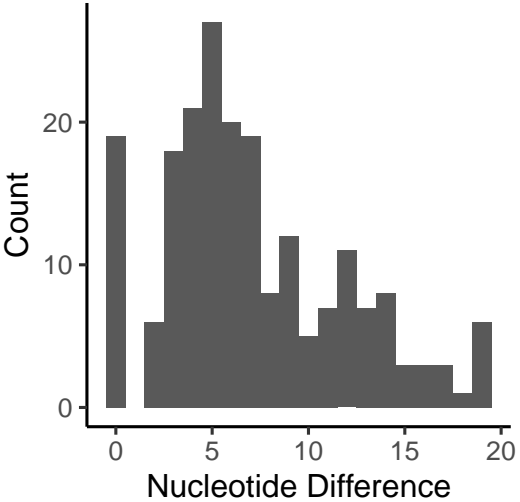
IGHV5-51*01_03

137 sequences assigned
24 (17.5%) exact matches, in which:
21 unique CDR3
4 unique J



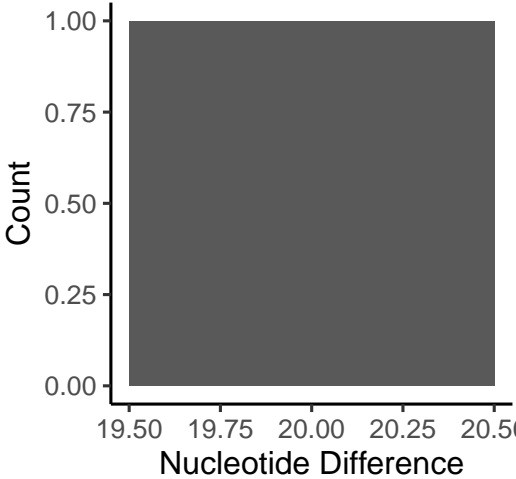
IGHV4-59*01_07

207 sequences assigned
19 (9.2%) exact matches, in which:
18 unique CDR3
4 unique J



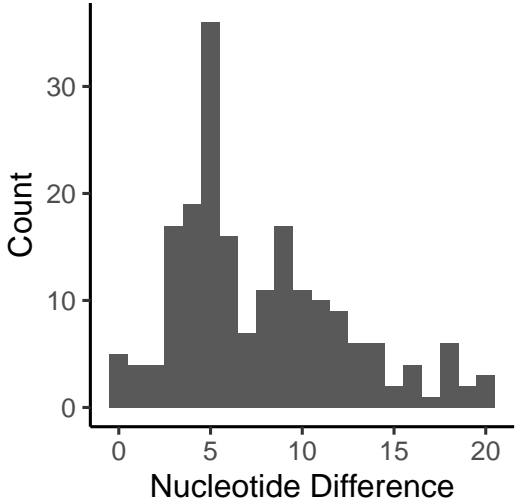
IGHV4/OR15-8*02

1 sequences assigned
No exact matches.



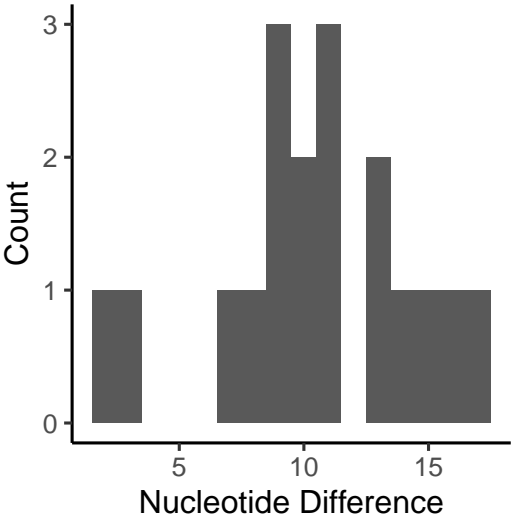
IGHV6-1*01_02

200 sequences assigned
5 (2.5%) exact matches, in which:
5 unique CDR3
2 unique J



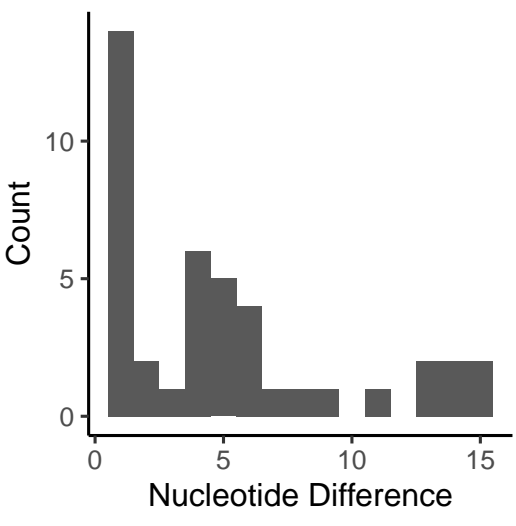
IGHV4-59*11

19 sequences assigned
No exact matches.



IGHV5-51*07

42 sequences assigned
No exact matches.





Warning – no inferred sequences found.