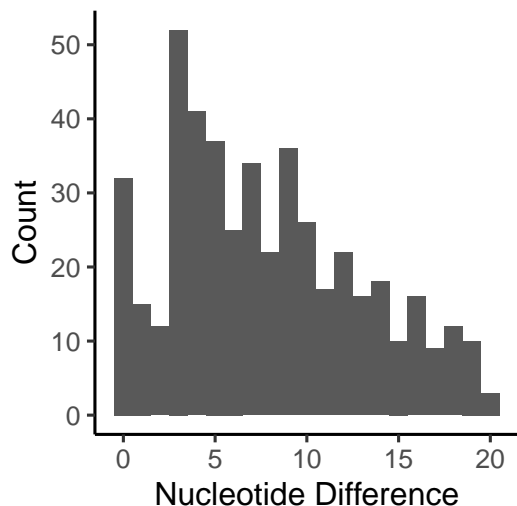


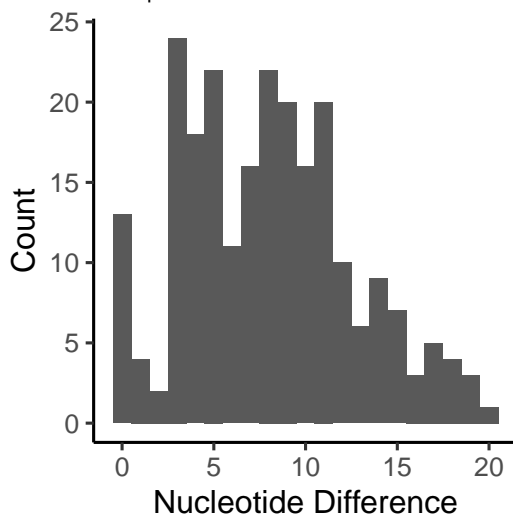
IGHV1-2*02

491 sequences assigned
32 (6.5%) exact matches, in which:
29 unique CDR3
5 unique J



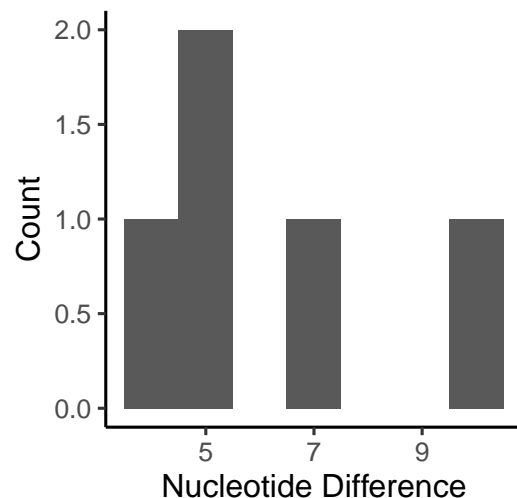
IGHV1-18*01

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



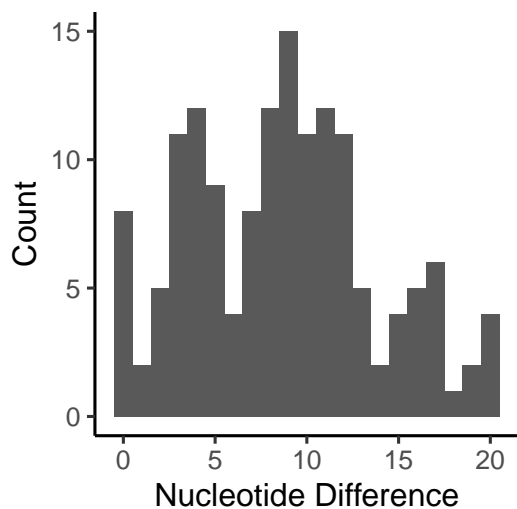
IGHV1-45*02

5 sequences assigned
No exact matches.



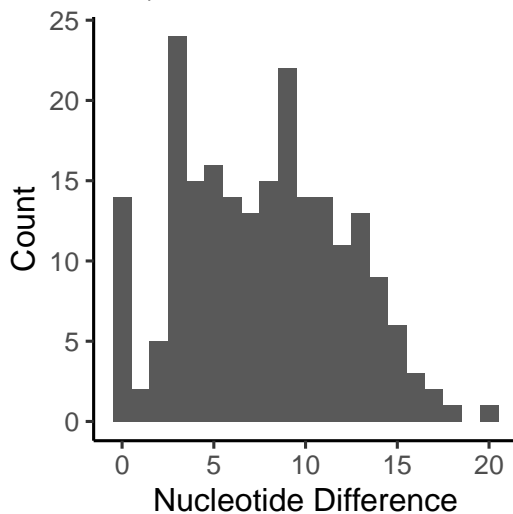
IGHV1-3*01_05

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



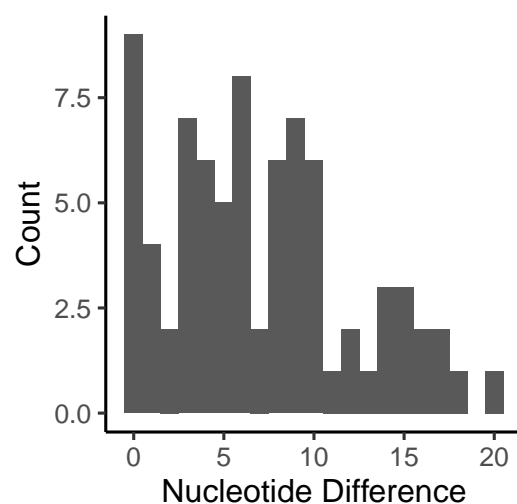
IGHV1-18*04

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



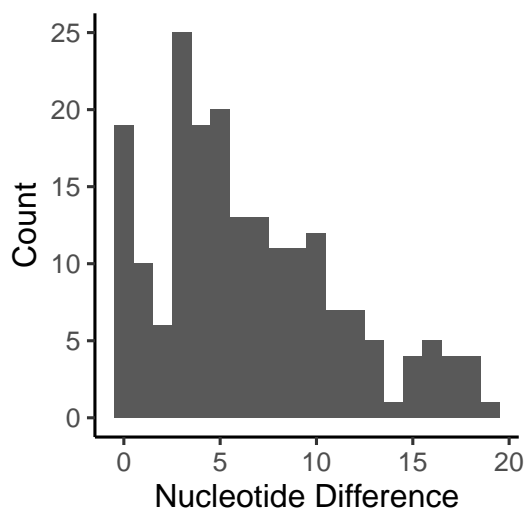
IGHV1-46*01

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



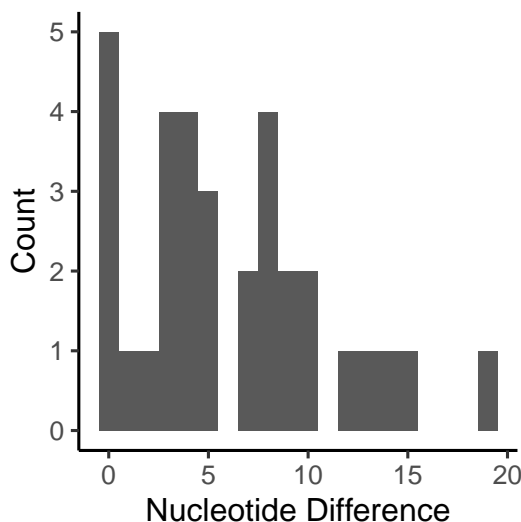
IGHV1-8*01

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



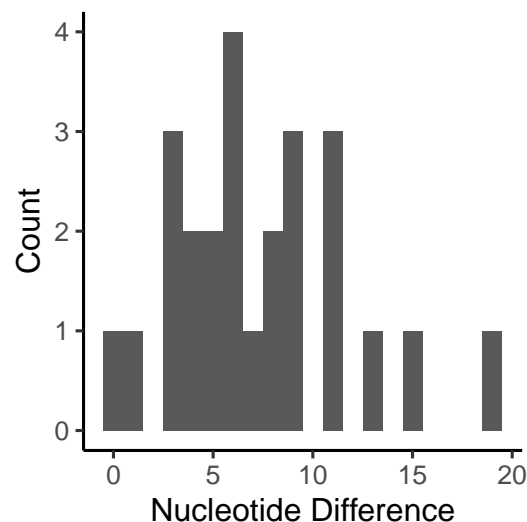
IGHV1-24*01

33 sequences assigned
5 (15.2%) exact matches, in which:
5 unique CDR3
2 unique J



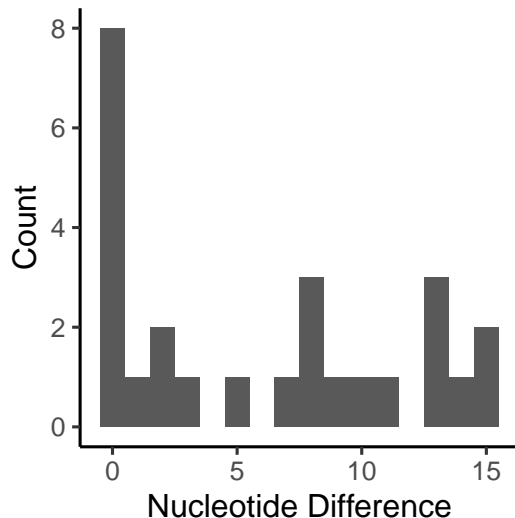
IGHV1-46*03

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



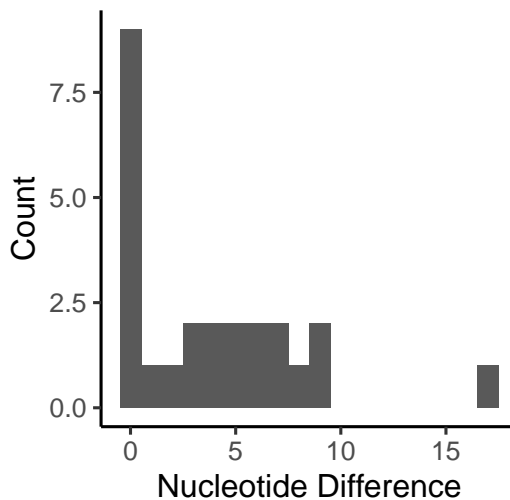
IGHV1-58*01_03

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



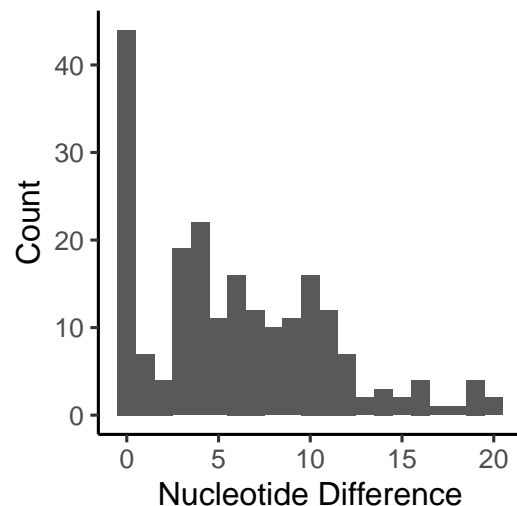
IGHV2-26*01

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



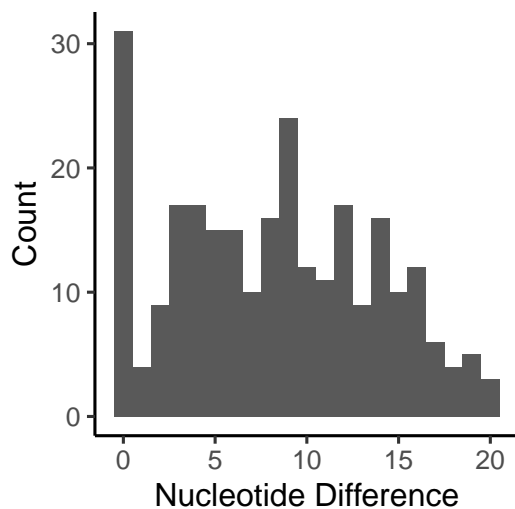
IGHV3-9*01

218 sequences assigned
44 (20.2%) exact matches, in which:
30 unique CDR3
4 unique J



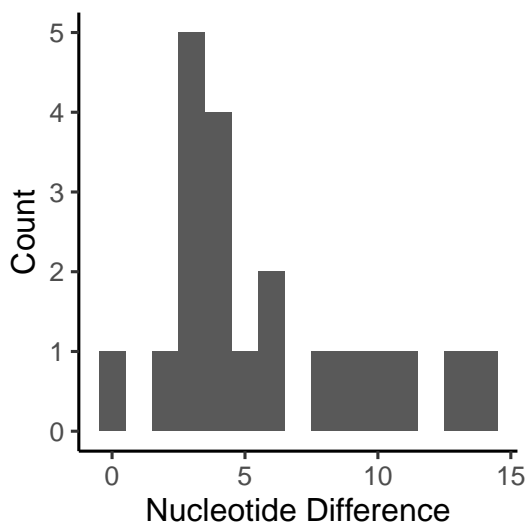
IGHV1-69*01_12_13

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



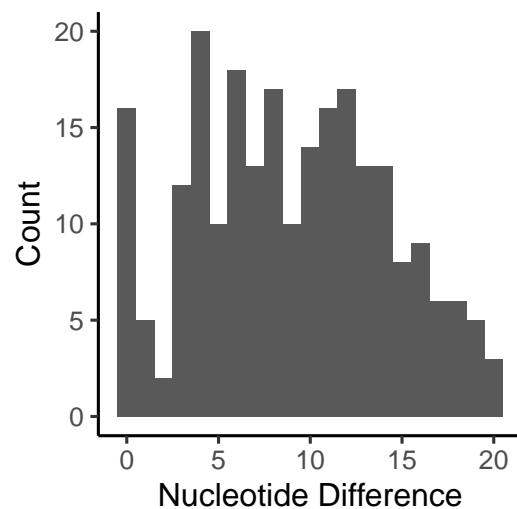
IGHV2-70*01

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



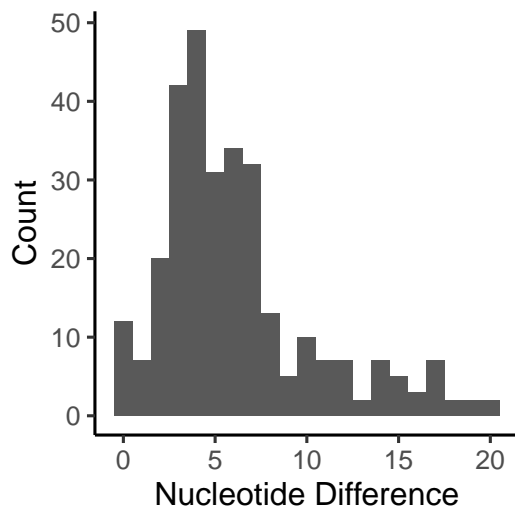
IGHV3-11*01

245 sequences assigned
16 (6.5%) exact matches, in which:
12 unique CDR3
4 unique J



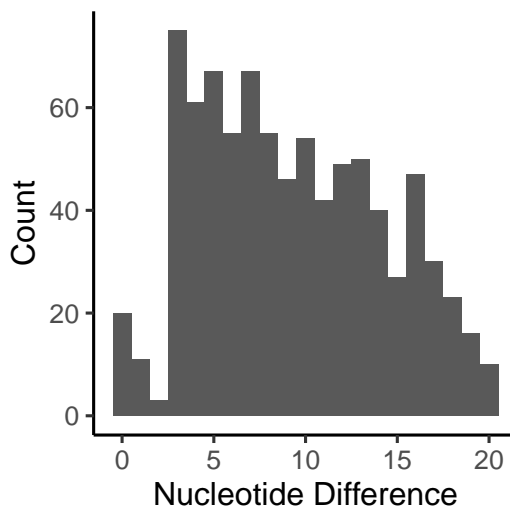
IGHV2-5*01

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



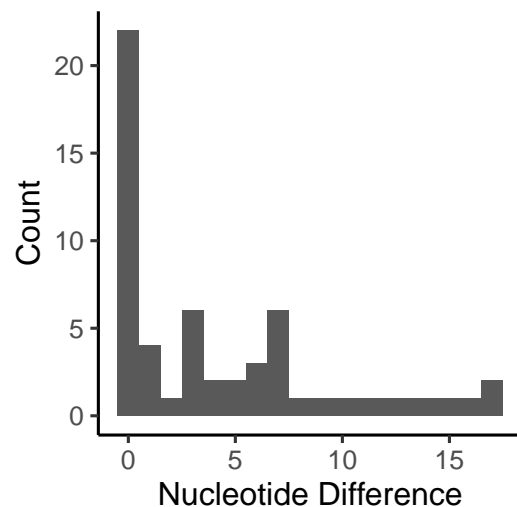
IGHV3-7*01

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



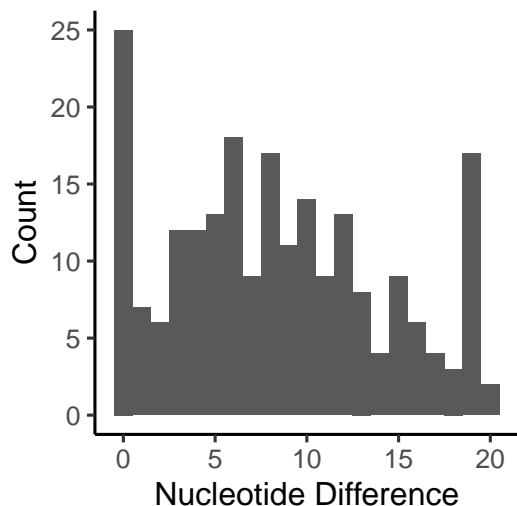
IGHV3-13*01

58 sequences assigned
22 (37.9%) exact matches, in which:
11 unique CDR3
2 unique J



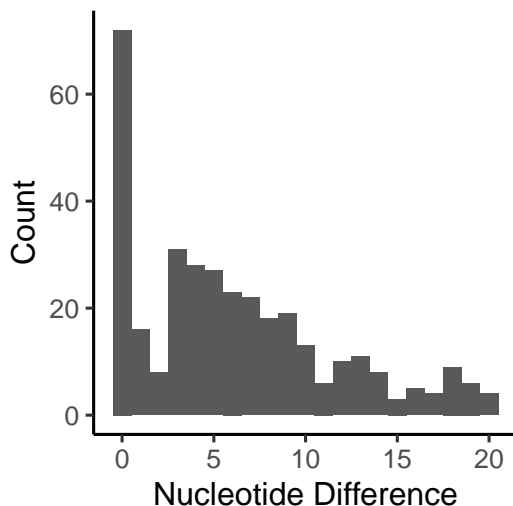
IGHV3-15*01_02

227 sequences assigned
25 (11%) exact matches, in which:
15 unique CDR3
3 unique J



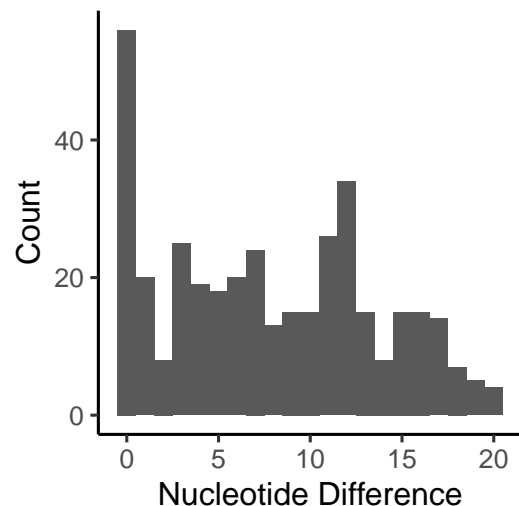
IGHV3-21*01_02

351 sequences assigned
72 (20.5%) exact matches, in which:
43 unique CDR3
4 unique J



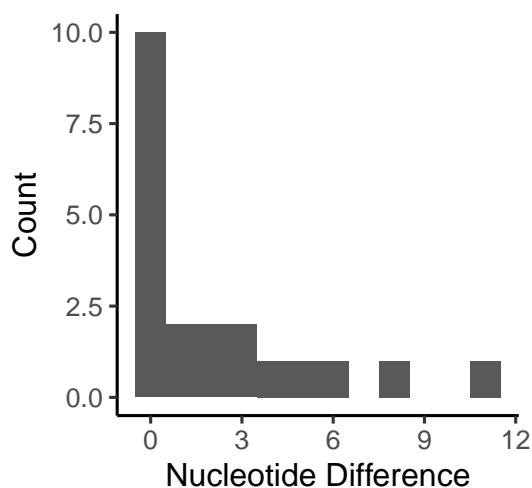
IGHV3-33*01

387 sequences assigned
56 (14.5%) exact matches, in which:
32 unique CDR3
5 unique J



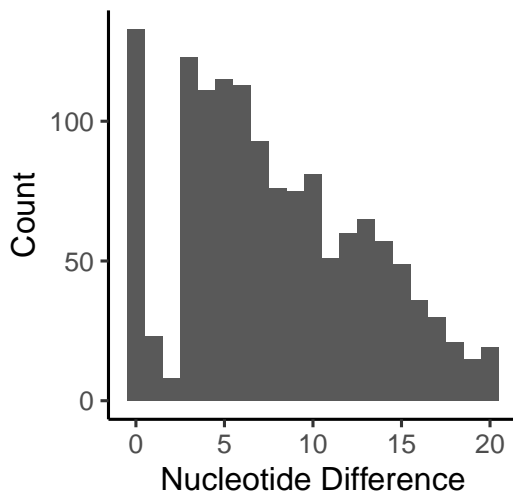
IGHV3-20*01_02

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



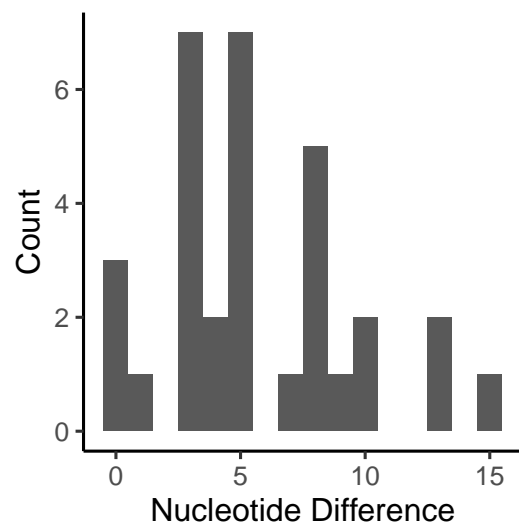
IGHV3-23*01_04

1409 sequences assigned
133 (9.4%) exact matches, in which:
76 unique CDR3
5 unique J



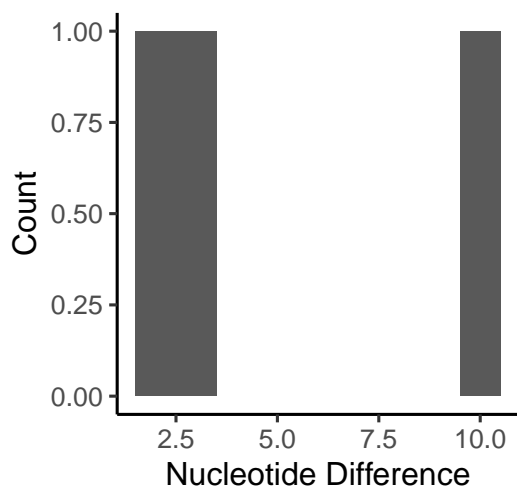
IGHV3-43*01

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



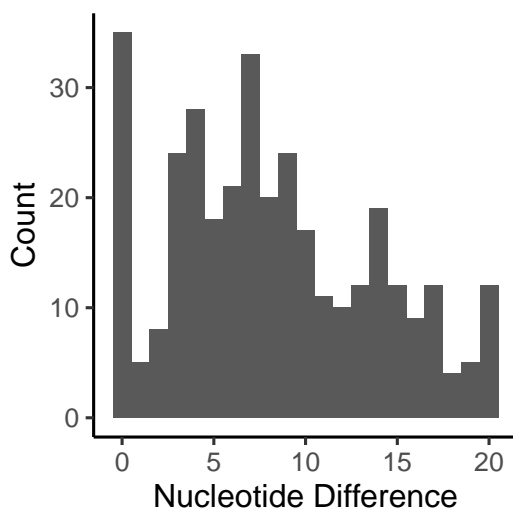
IGHV3-20*03_04

3 sequences assigned
No exact matches.



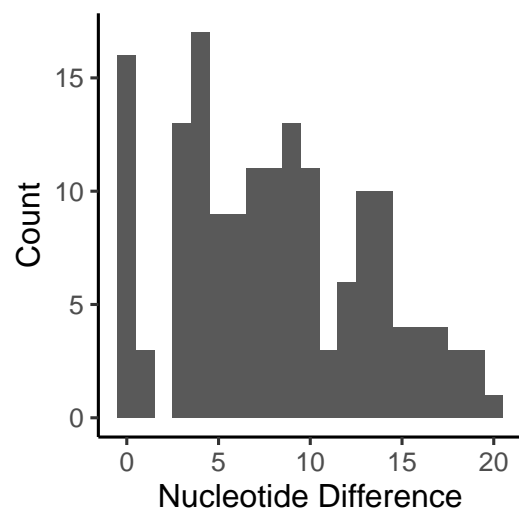
IGHV3-30-3*01

361 sequences assigned
35 (9.7%) exact matches, in which:
23 unique CDR3
4 unique J



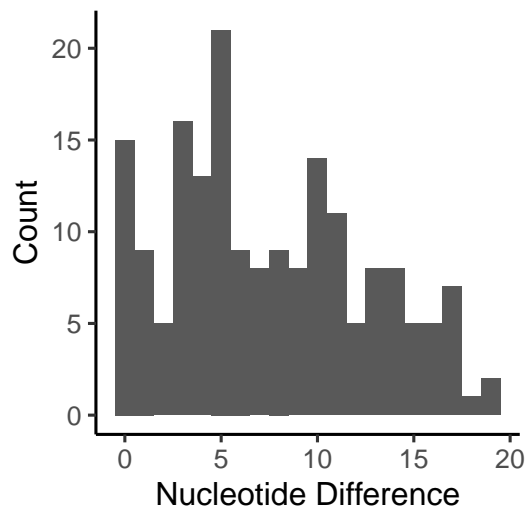
IGHV3-48*01

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



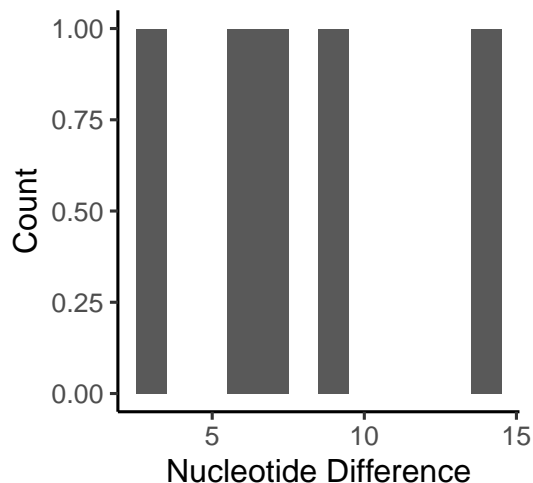
IGHV3-48*02

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



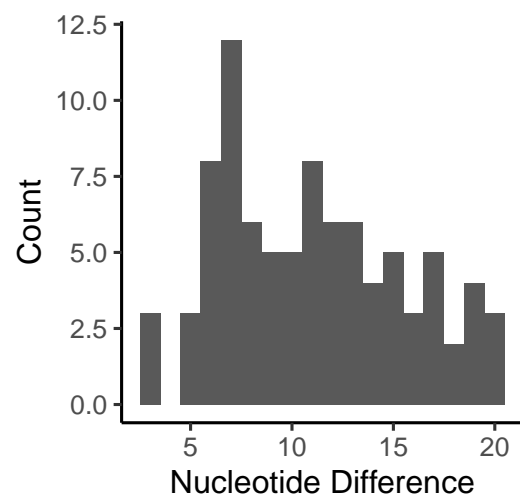
IGHV3-64*02_07

5 sequences assigned
No exact matches.



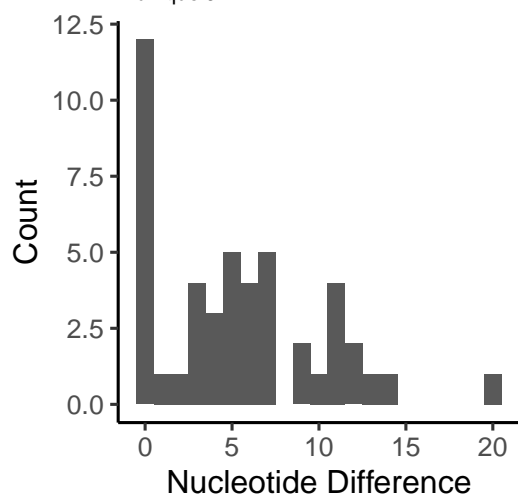
IGHV3-74*03

96 sequences assigned
No exact matches.



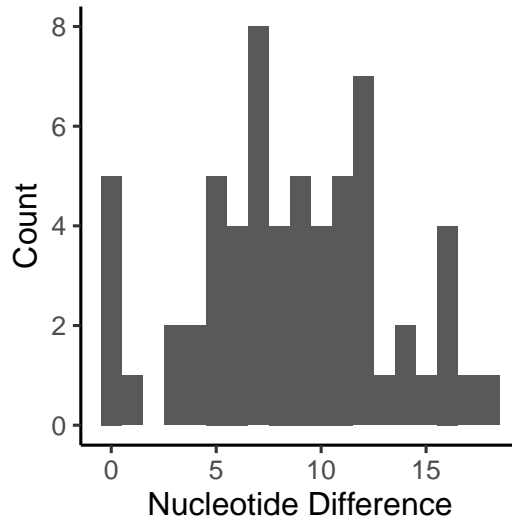
IGHV3-49*03_05

47 sequences assigned
12 (25.5%) exact matches, in which:
7 unique CDR3
2 unique J



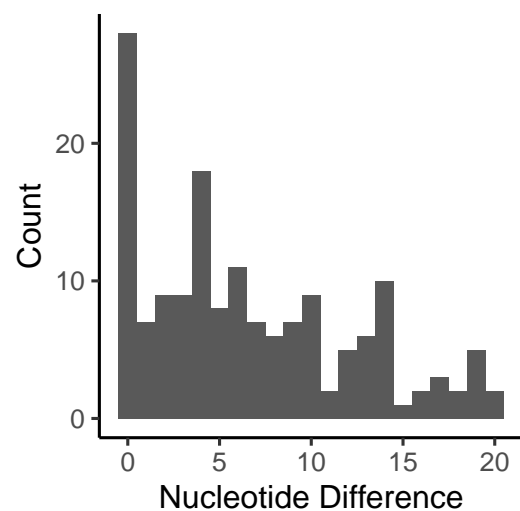
IGHV3-72*01

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



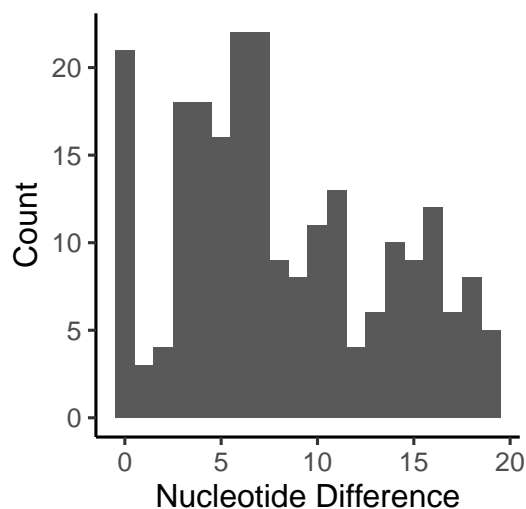
IGHV3-74*01_02

158 sequences assigned
28 (17.7%) exact matches, in which:
15 unique CDR3
4 unique J



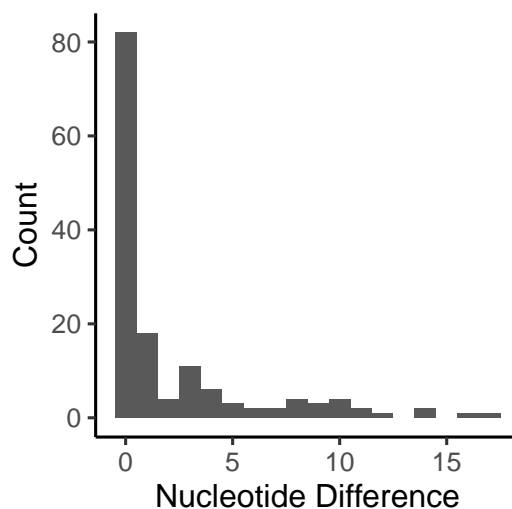
IGHV3-53*01_02

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



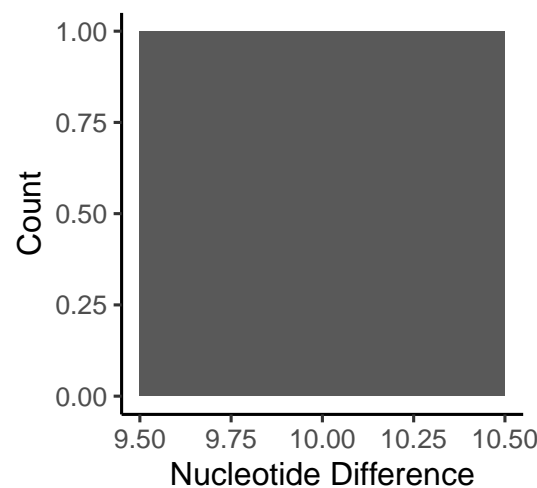
IGHV3-73*01_02

146 sequences assigned
82 (56.2%) exact matches, in which:
49 unique CDR3
4 unique J



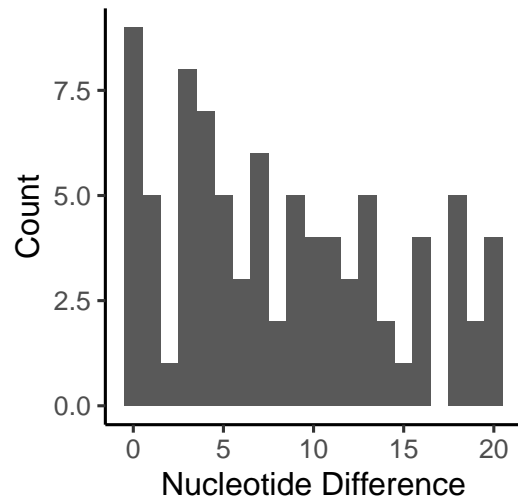
IGHV3-NL1*01

1 sequences assigned
No exact matches.



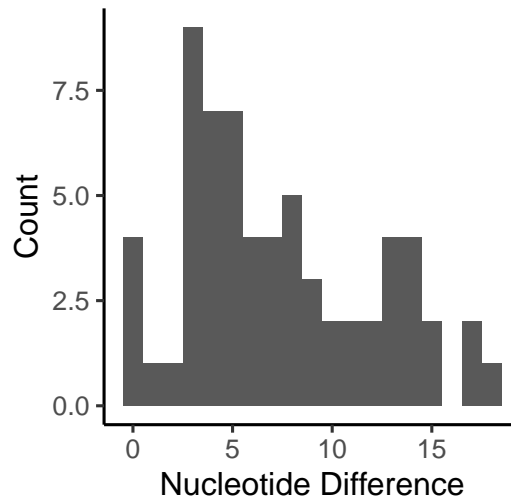
IGHV4-4*07

88 sequences assigned
9 (10.2%) exact matches, in which:
6 unique CDR3
3 unique J



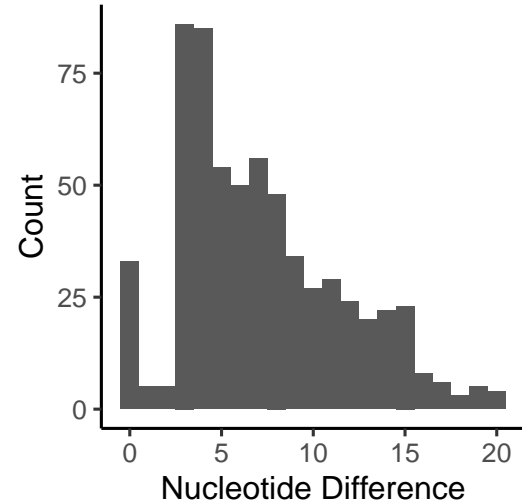
IGHV4-30-4*01

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



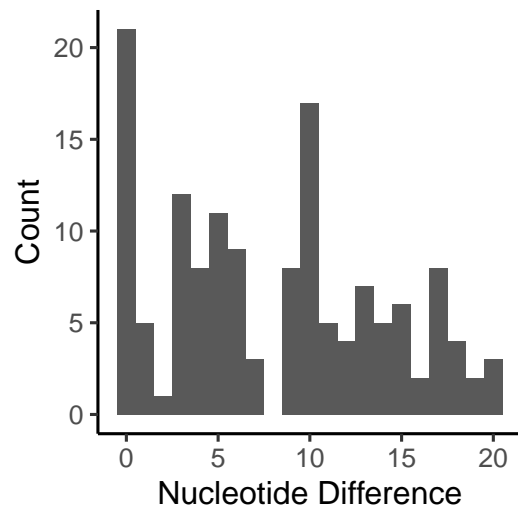
IGHV4-34*01_02

651 sequences assigned
33 (5.1%) exact matches, in which:
31 unique CDR3
5 unique J



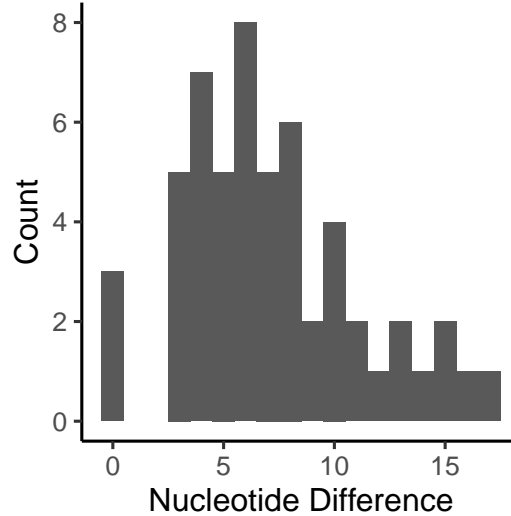
IGHV4-4*02_03

154 sequences assigned
21 (13.6%) exact matches, in which:
12 unique CDR3
3 unique J



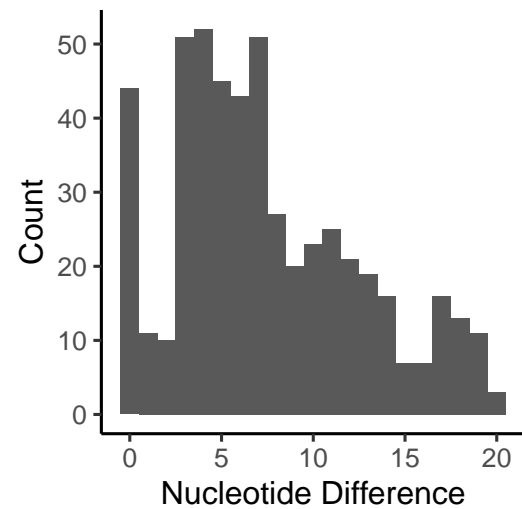
IGHV4-30-2*01

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



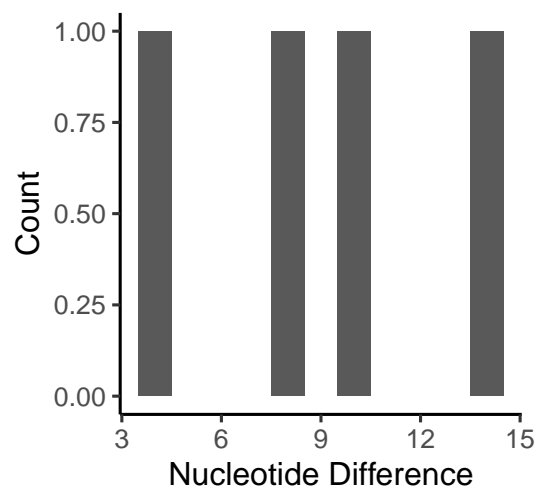
IGHV4-39*02_C258G

548 sequences assigned
44 (8%) exact matches, in which:
31 unique CDR3
4 unique J



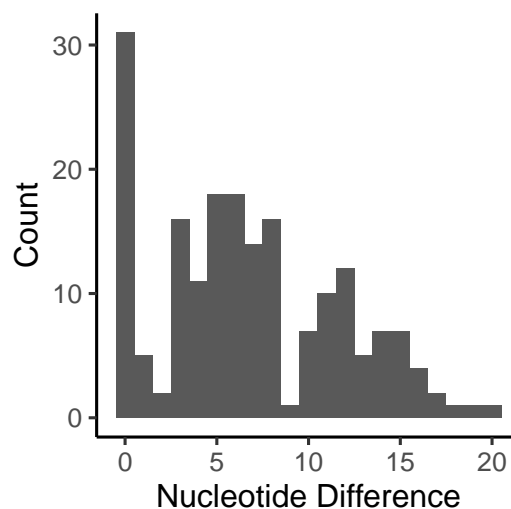
IGHV4-28*01_07

4 sequences assigned
No exact matches.



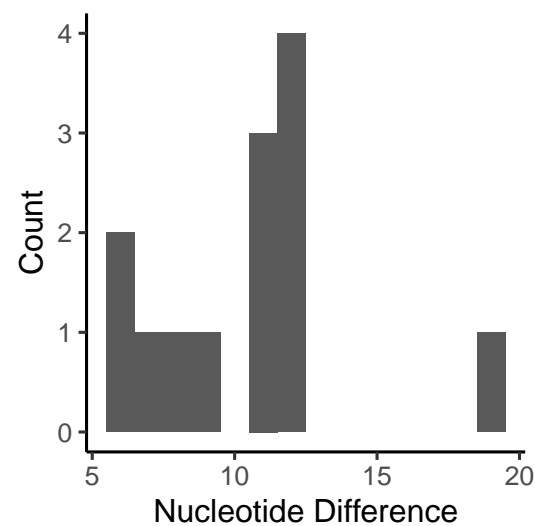
IGHV4-31*02

202 sequences assigned
31 (15.3%) exact matches, in which:
24 unique CDR3
5 unique J



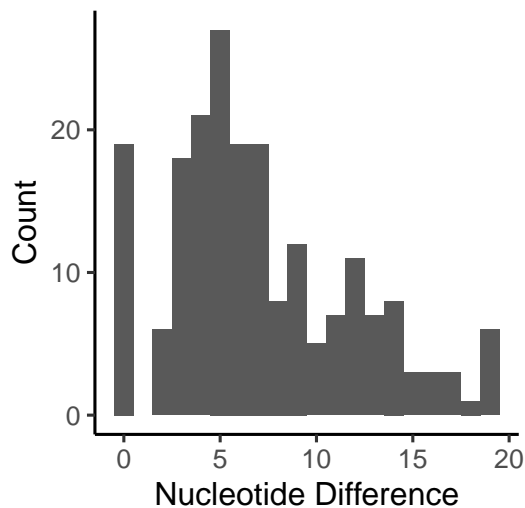
IGHV4-59*02

15 sequences assigned
No exact matches.



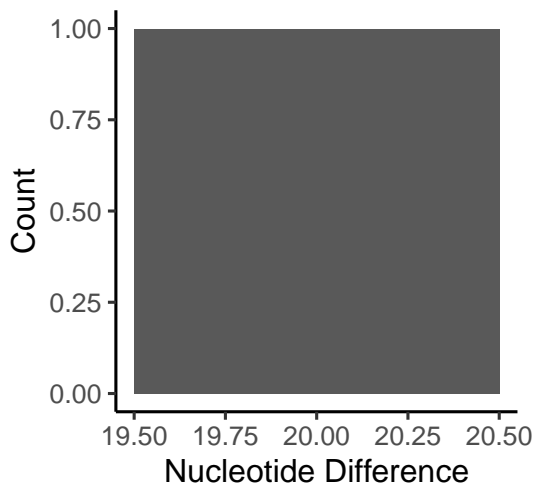
IGHV4-59*01_07

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



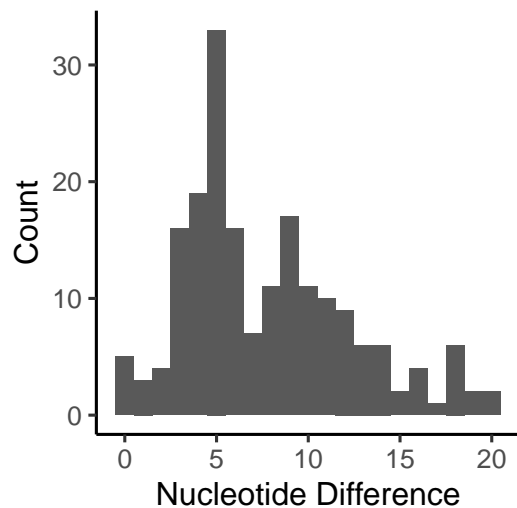
IGHV4/OR15-8*02

1 sequences assigned
No exact matches.



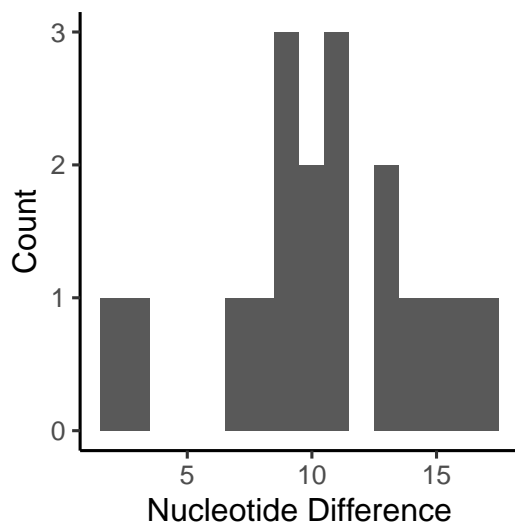
IGHV6-1*01_02

193 sequences assigned
5 (2.6%) exact matches, in which:
5 unique CDR3
2 unique J



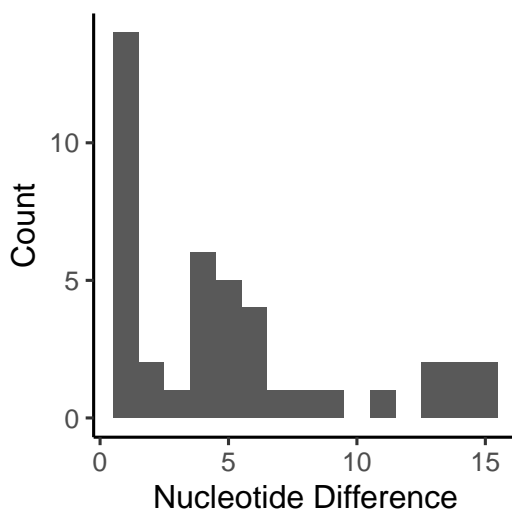
IGHV4-59*11

19 sequences assigned
No exact matches.



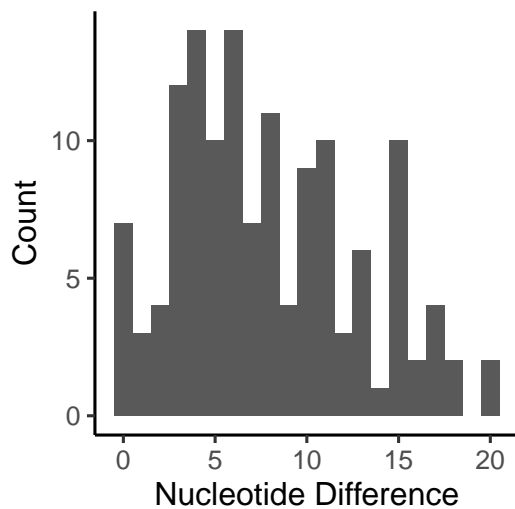
IGHV5-51*07

42 sequences assigned
No exact matches.



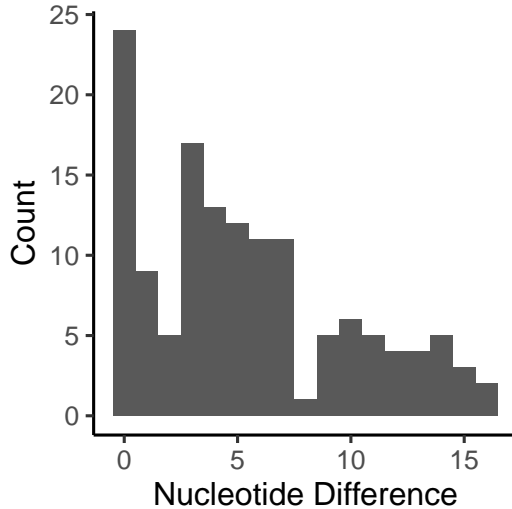
IGHV4-61*01

140 sequences assigned
7 (5%) 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





Warning – no inferred sequences found.