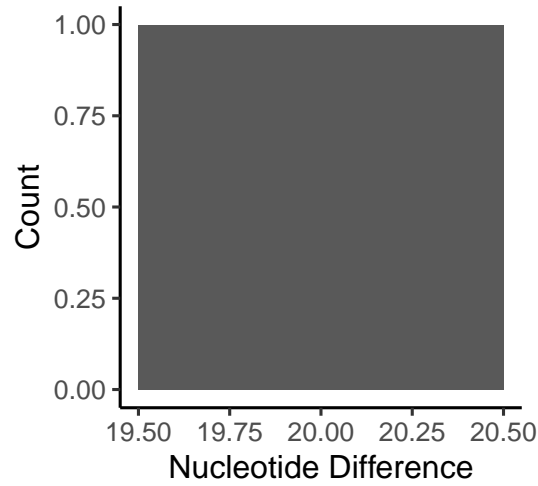


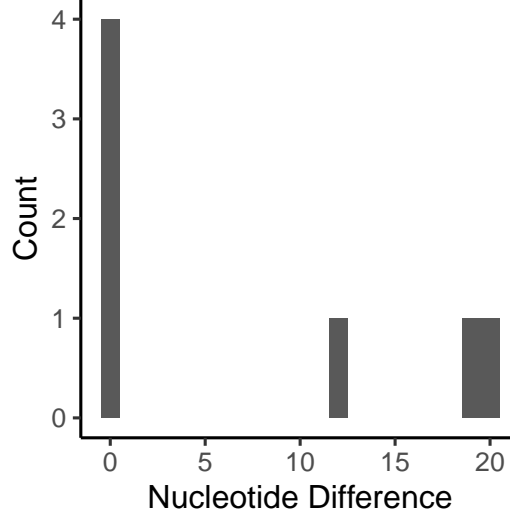
IGHV1-2*02

1 sequences assigned
No exact matches.



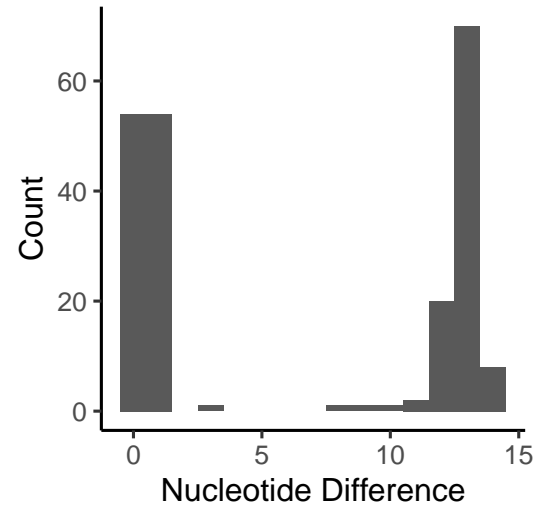
IGHV1-8*01

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
2 unique J



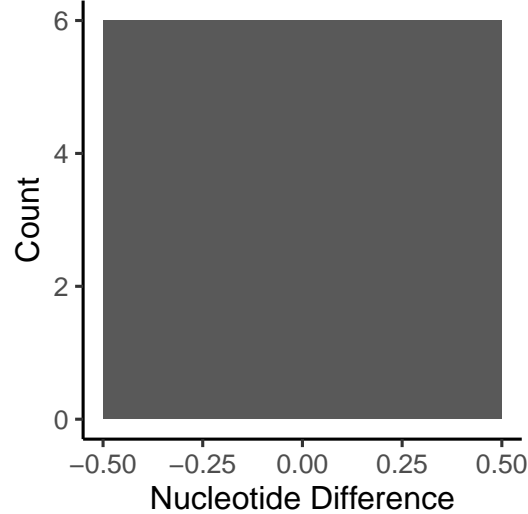
IGHV1-46*01

212 sequences assigned
54 (25.5%) exact matches, in which:
34 unique CDR3
4 unique J



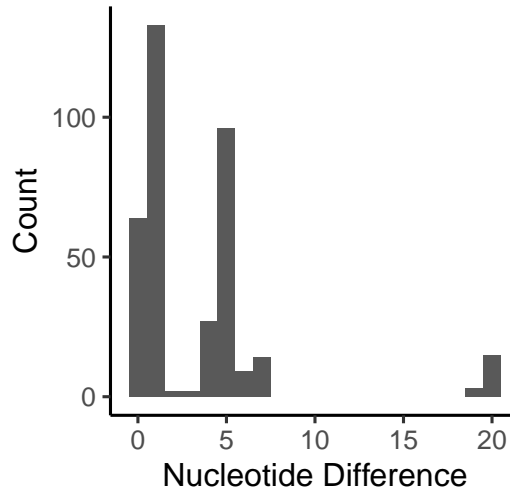
IGHV1-2*04

6 sequences assigned
6 (100%) exact matches, in which:
5 unique CDR3
3 unique J



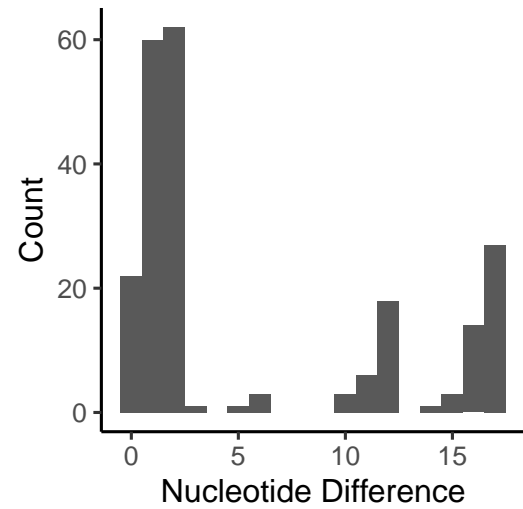
IGHV1-18*01

448 sequences assigned
64 (14.3%) exact matches, in which:
35 unique CDR3
2 unique J



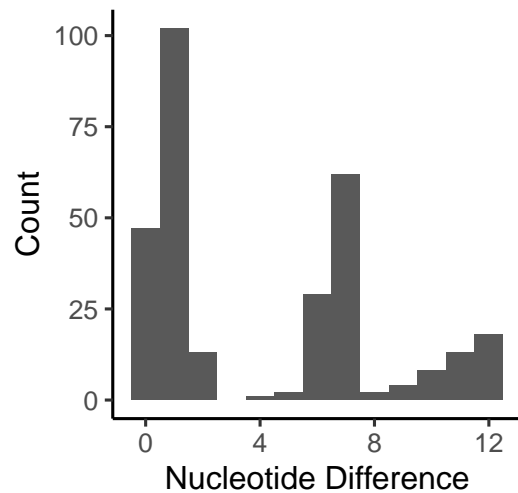
IGHV1-69*01_12_13

230 sequences assigned
22 (9.6%) exact matches, in which:
15 unique CDR3
5 unique J



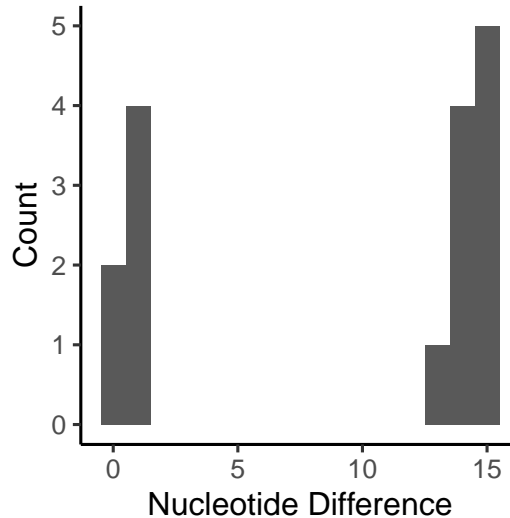
IGHV1-3*01_05

301 sequences assigned
47 (15.6%) exact matches, in which:
31 unique CDR3
3 unique J



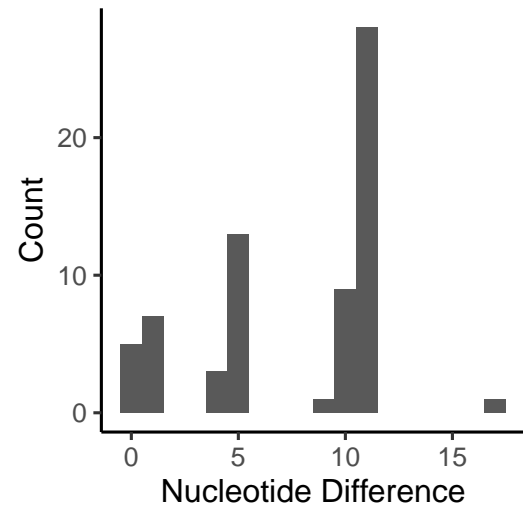
IGHV1-24*01

26 sequences assigned
2 (7.7%) exact matches, in which:
2 unique CDR3
2 unique J



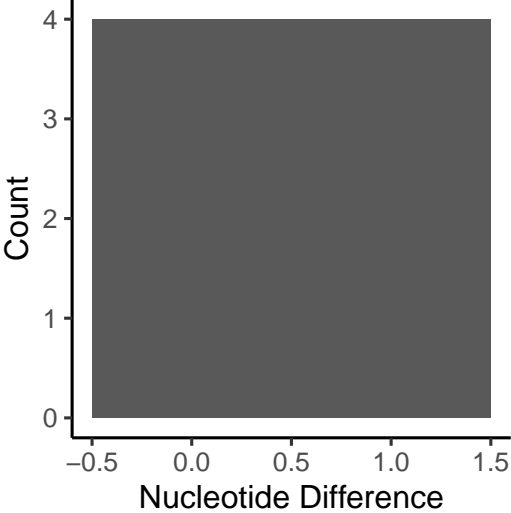
IGHV2-5*02

67 sequences assigned
5 (7.5%) exact matches, in which:
3 unique CDR3
1 unique J



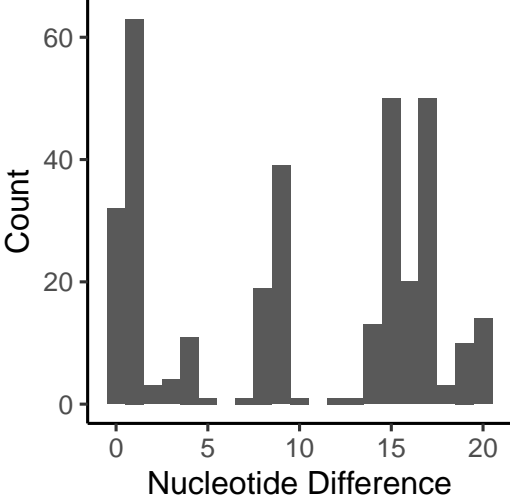
IGHV2-26*01

8 sequences assigned
4 (50%) exact matches, in which:
2 unique CDR3
1 unique J



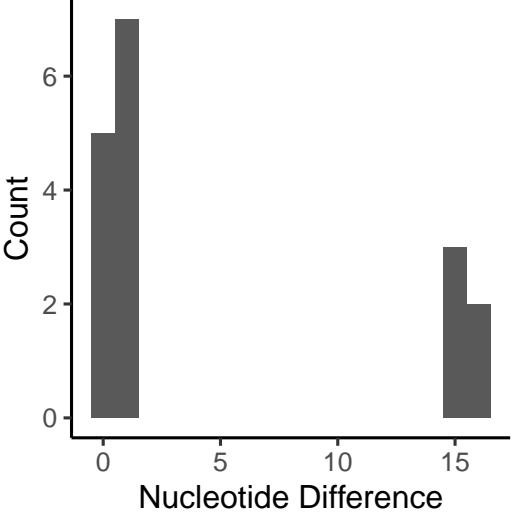
IGHV3-7*03

358 sequences assigned
32 (8.9%) exact matches, in which:
14 unique CDR3
2 unique J



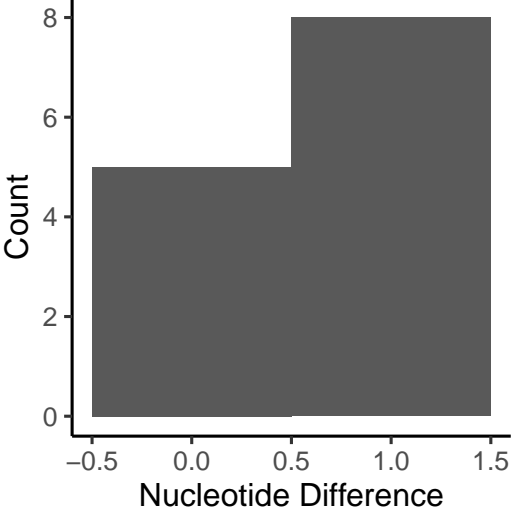
IGHV3-11*06

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



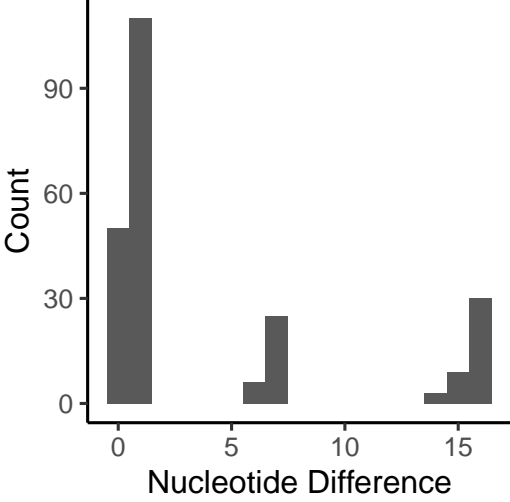
IGHV2-70*01

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



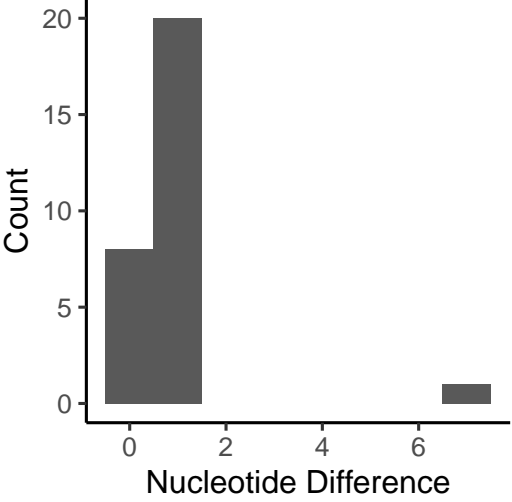
IGHV3-9*01

234 sequences assigned
50 (21.4%) exact matches, in which:
21 unique CDR3
3 unique J



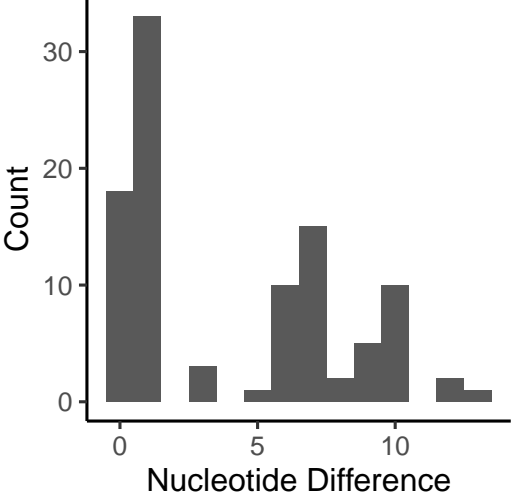
IGHV3-13*01

55 sequences assigned
8 (14.5%) exact matches, in which:
5 unique CDR3
2 unique J



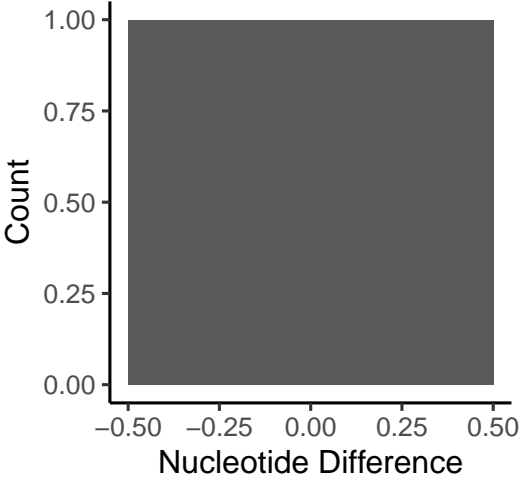
IGHV3-7*01

100 sequences assigned
18 (18%) exact matches, in which:
9 unique CDR3
1 unique J



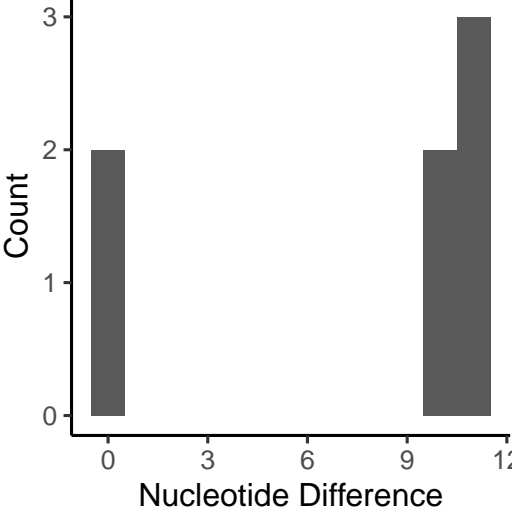
IGHV3-11*01

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



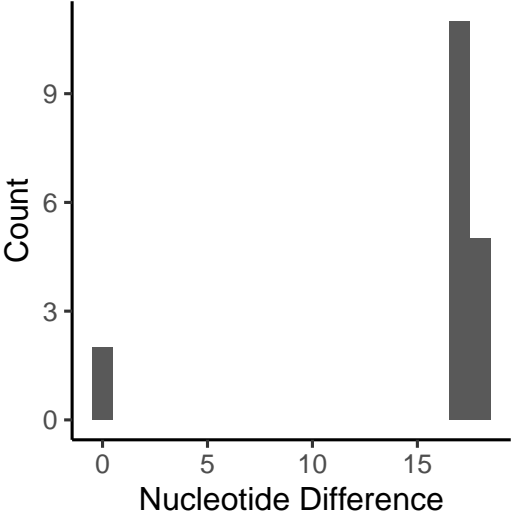
IGHV3-15*07

8 sequences assigned
2 (25%) exact matches, in which:
1 unique CDR3
1 unique J



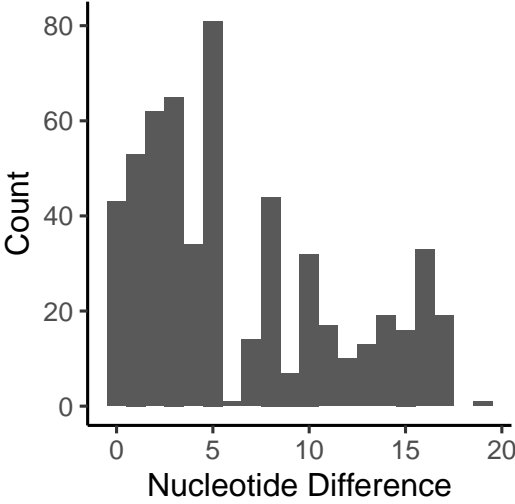
IGHV3-15*01_02

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



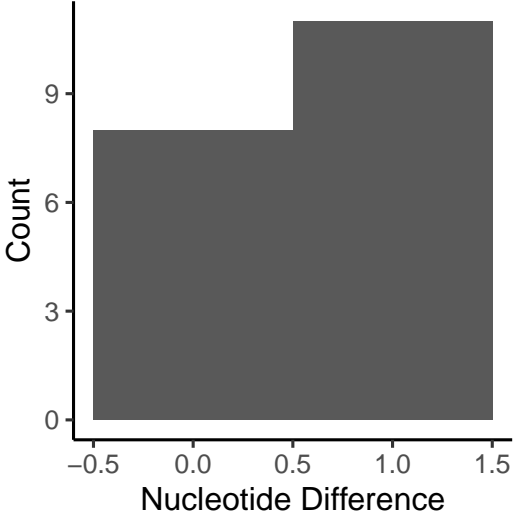
IGHV3-23*01_04

633 sequences assigned
43 (6.8%) exact matches, in which:
19 unique CDR3
4 unique J



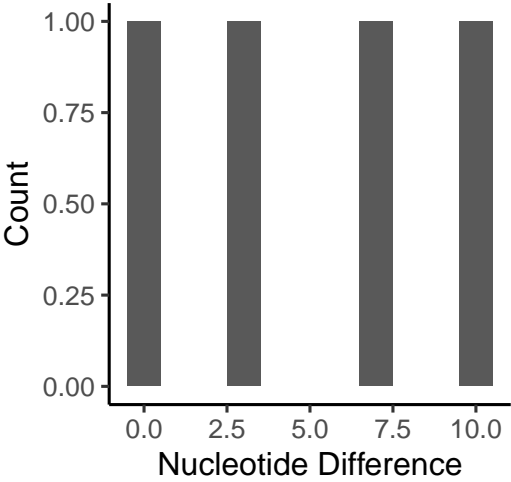
IGHV3-43*01

19 sequences assigned
8 (42.1%) exact matches, in which:
3 unique CDR3
2 unique J



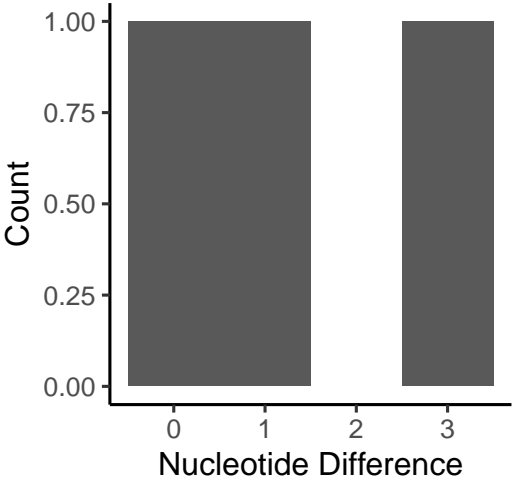
IGHV3-21*04

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



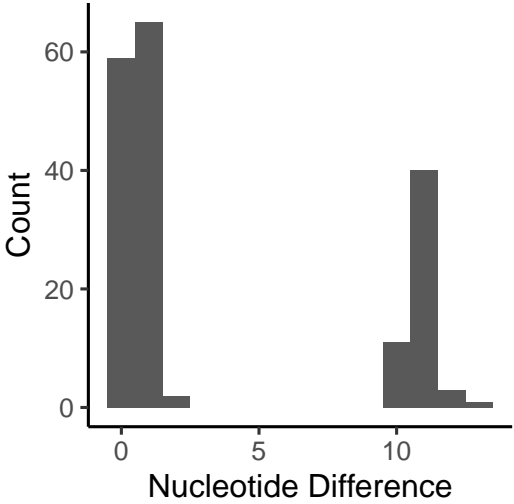
IGHV3-30*03

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



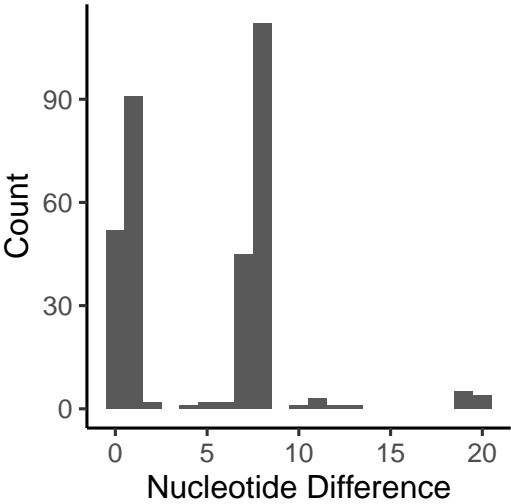
IGHV3-48*02

241 sequences assigned
59 (24.5%) exact matches, in which:
26 unique CDR3
2 unique J



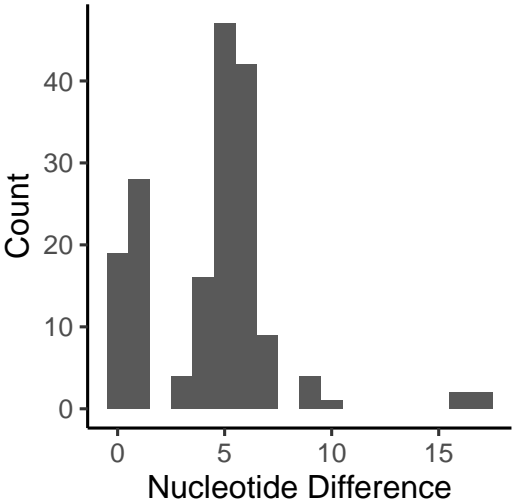
IGHV3-21*01_02

329 sequences assigned
52 (15.8%) exact matches, in which:
20 unique CDR3
3 unique J



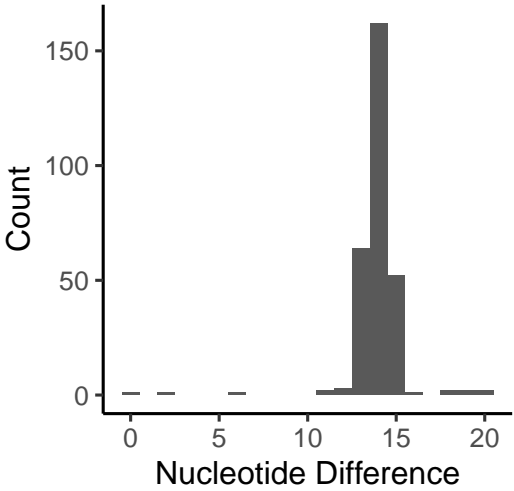
IGHV3-33*01

174 sequences assigned
19 (10.9%) exact matches, in which:
7 unique CDR3
3 unique J



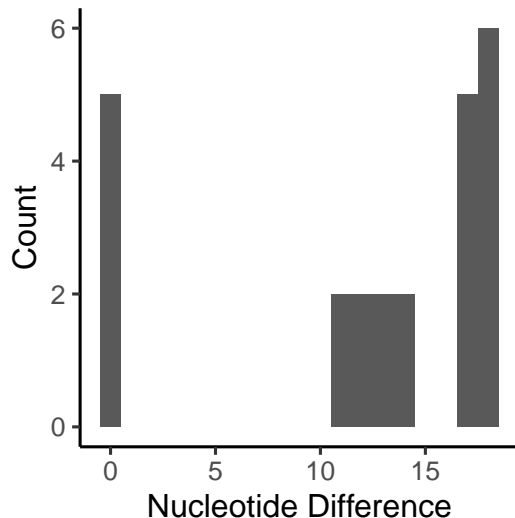
IGHV3-53*01_02

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



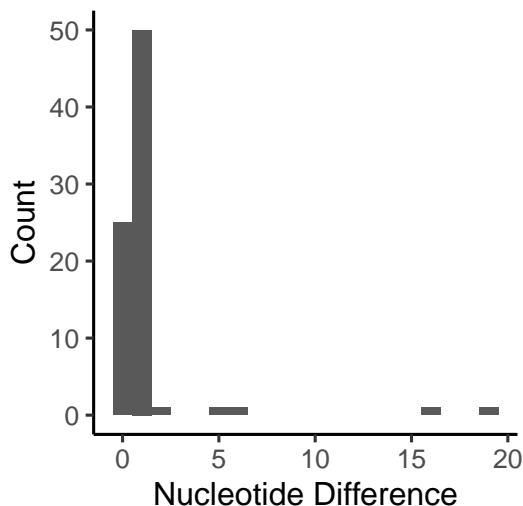
IGHV3-73*01_02

24 sequences assigned
5 (20.8%) exact matches, in which:
3 unique CDR3
2 unique J



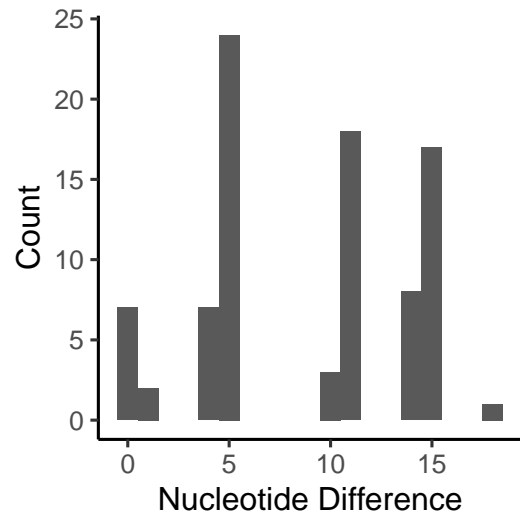
IGHV4-4*02_03

80 sequences assigned
25 (31.2%) exact matches, in which:
16 unique CDR3
3 unique J



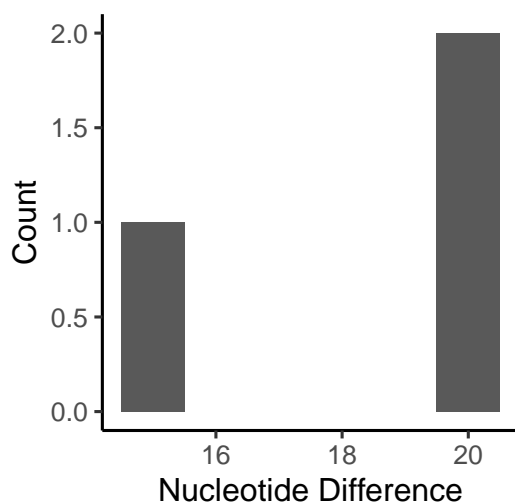
IGHV4-39*02_C258G

89 sequences assigned
7 (7.9%) exact matches, in which:
7 unique CDR3
3 unique J



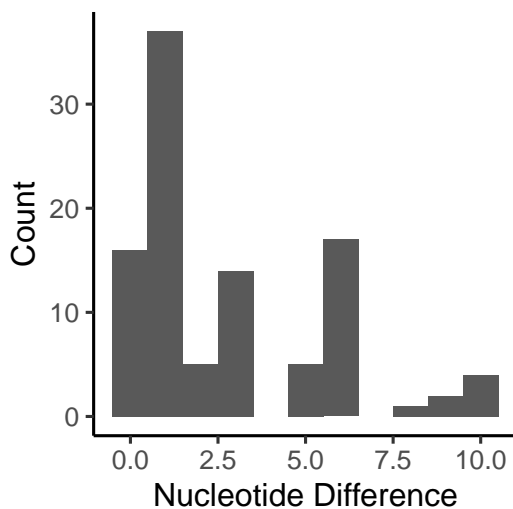
IGHV3-74*03

3 sequences assigned
No exact matches.



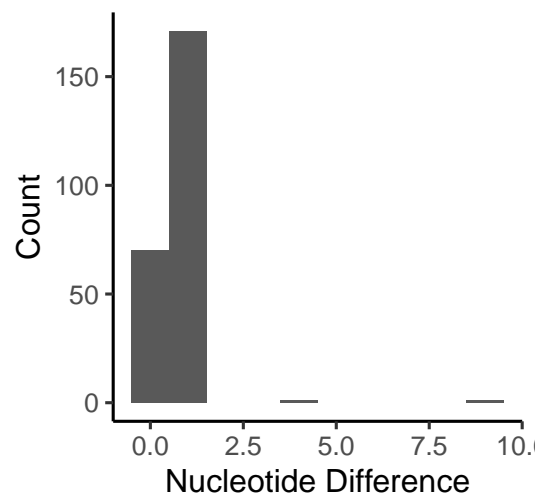
IGHV4-31*02

102 sequences assigned
16 (15.7%) exact matches, in which:
8 unique CDR3
3 unique J



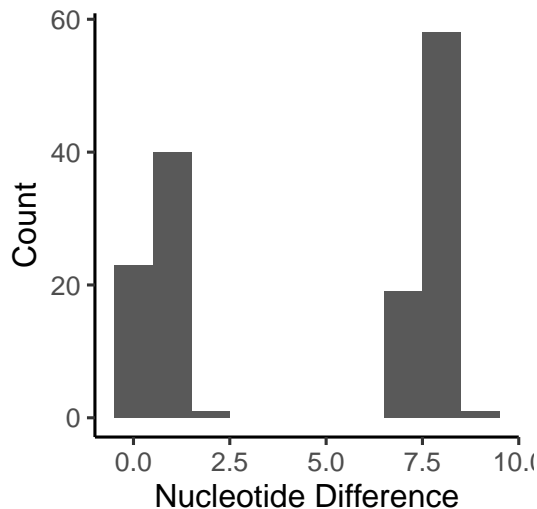
IGHV4-59*01_07

244 sequences assigned
70 (28.7%) exact matches, in which:
37 unique CDR3
4 unique J



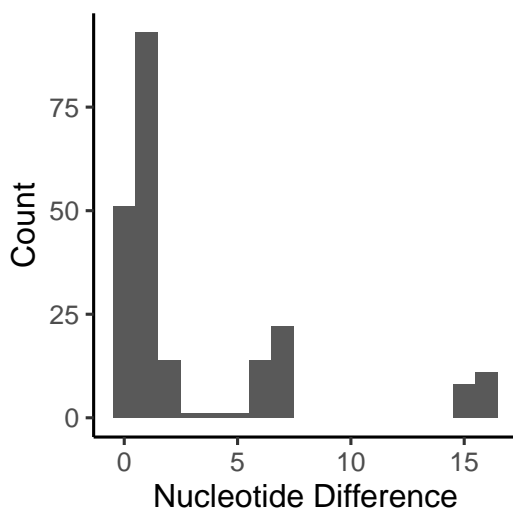
IGHV3-74*01_02

150 sequences assigned
23 (15.3%) exact matches, in which:
6 unique CDR3
2 unique J



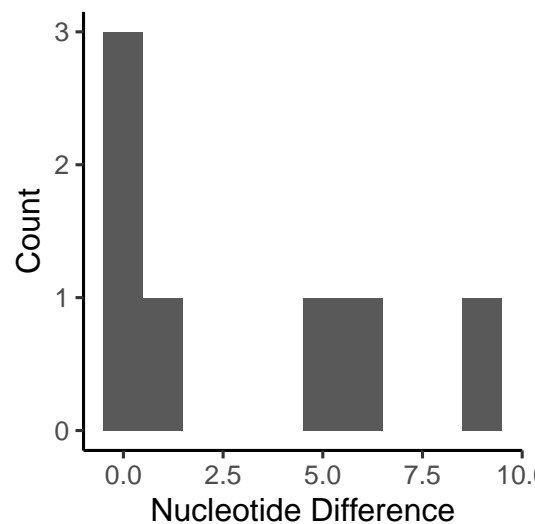
IGHV4-34*01_02

216 sequences assigned
51 (23.6%) exact matches, in which:
30 unique CDR3
5 unique J



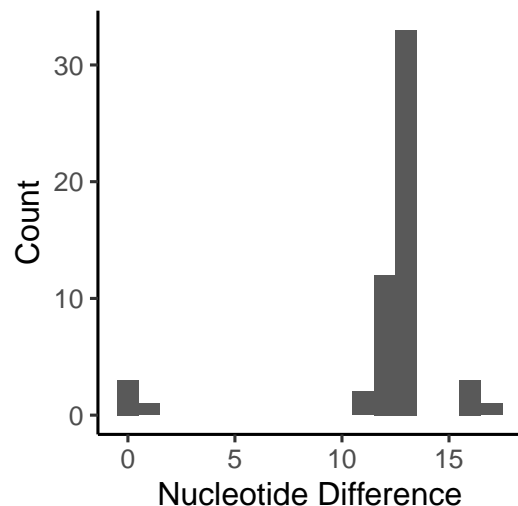
IGHV4-59*12

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
2 unique J



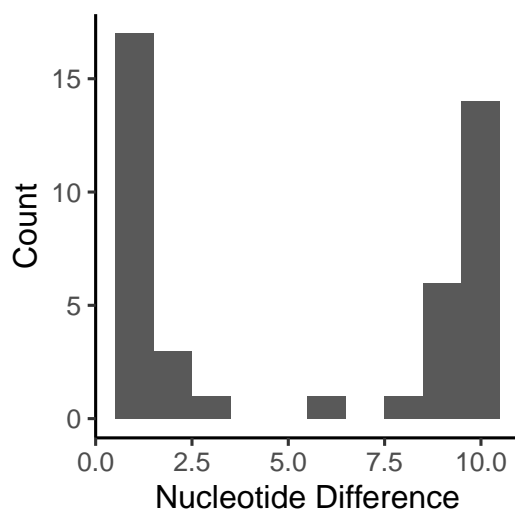
IGHV4-59*13

195 sequences assigned
3 (1.5%) exact matches, in which:
3 unique CDR3
1 unique J



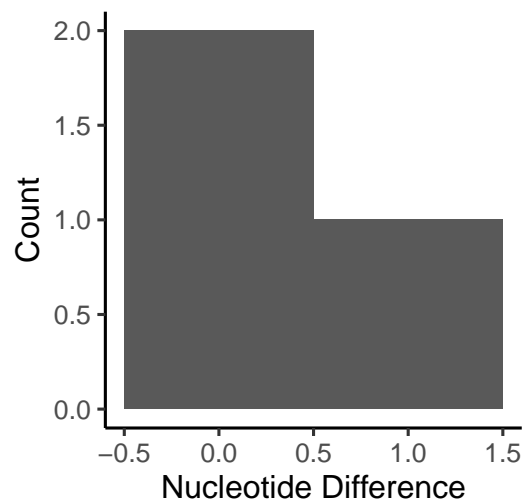
IGHV5-51*07

43 sequences assigned
No exact matches.



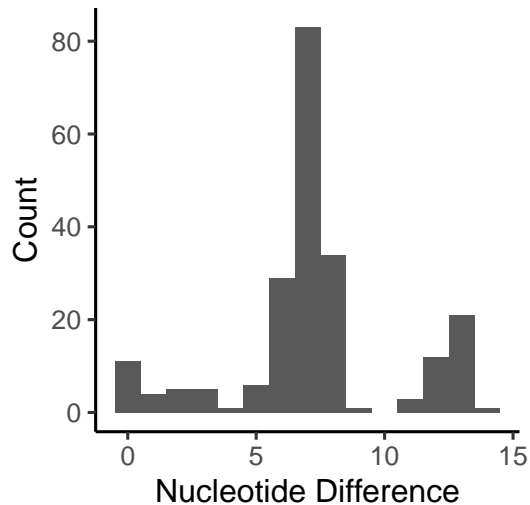
IGHV4-61*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



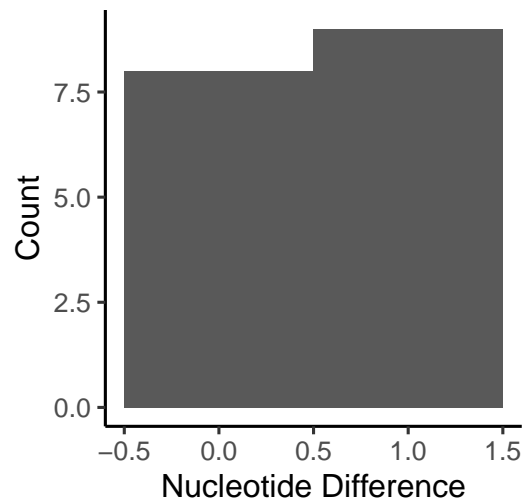
IGHV5-51*01_03

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



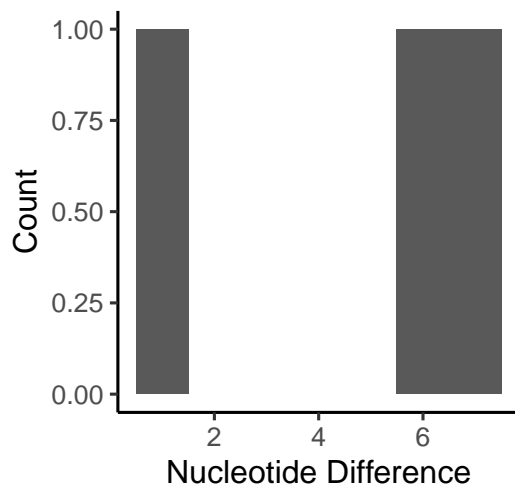
IGHV5-10-1*01_03

59 sequences assigned
8 (13.6%) exact matches, in which:
3 unique CDR3
2 unique J



IGHV6-1*01_02

3 sequences assigned
No exact matches.





Warning – no inferred sequences found.