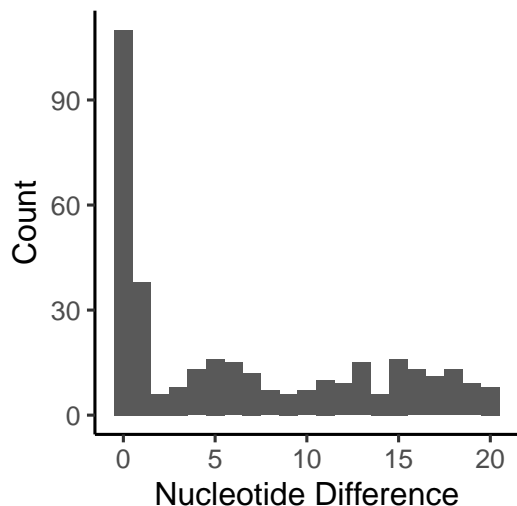


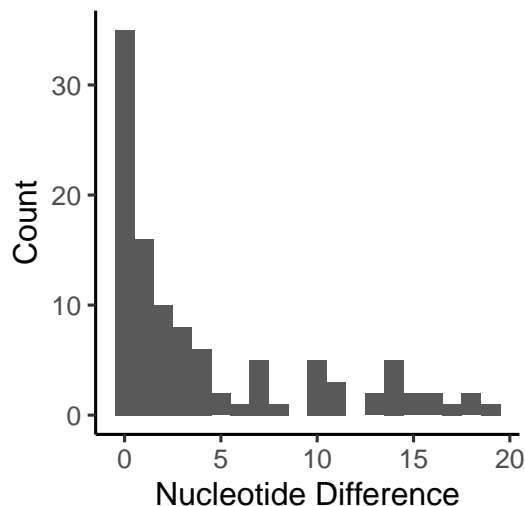
IGHV1-2*02

463 sequences assigned
110 (23.8%) exact matches, in which:
108 unique CDR3
6 unique J



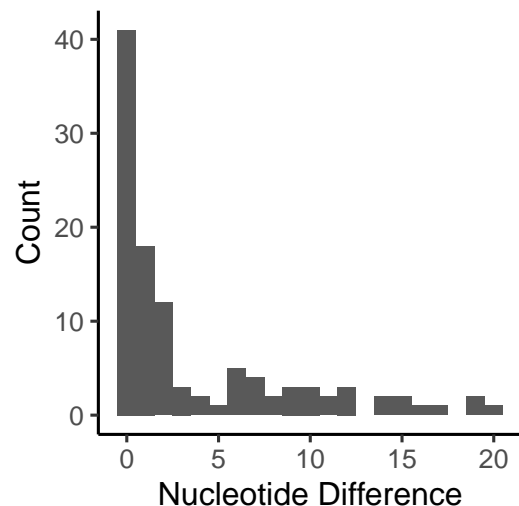
IGHV1-18*01

146 sequences assigned
35 (24%) exact matches, in which:
35 unique CDR3
5 unique J



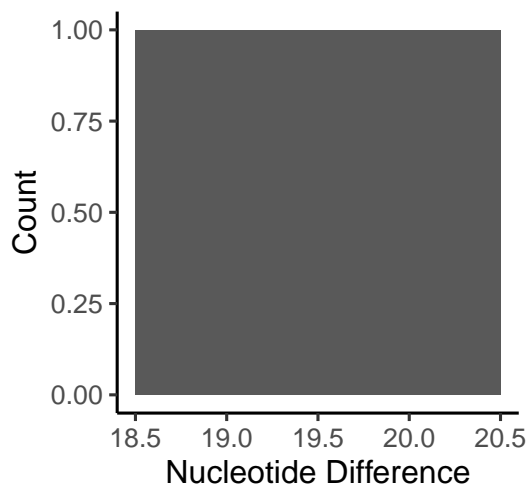
IGHV1-46*03

149 sequences assigned
41 (27.5%) exact matches, in which:
40 unique CDR3
6 unique J



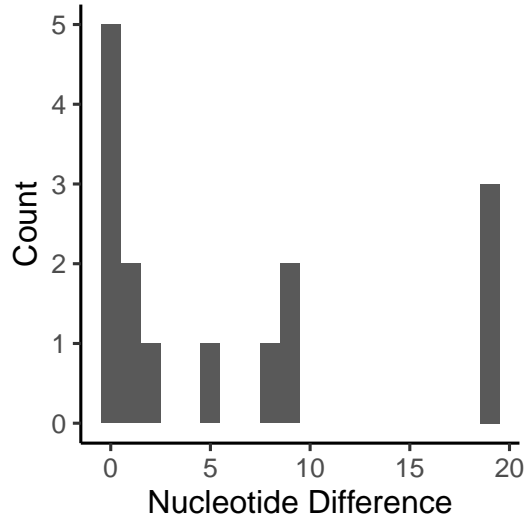
IGHV1-3*01

2 sequences assigned
No exact matches.



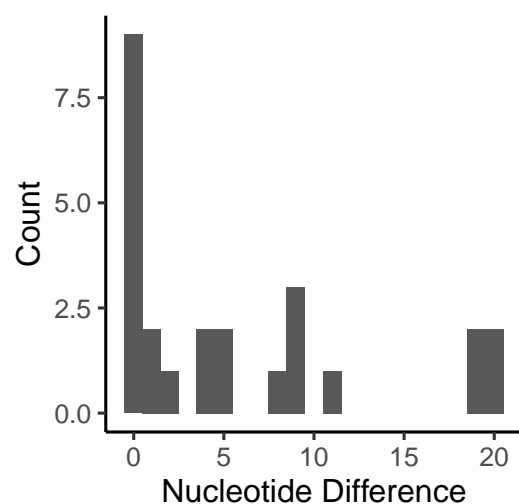
IGHV1-24*01

16 sequences assigned
5 (31.2%) exact matches, in which:
5 unique CDR3
3 unique J



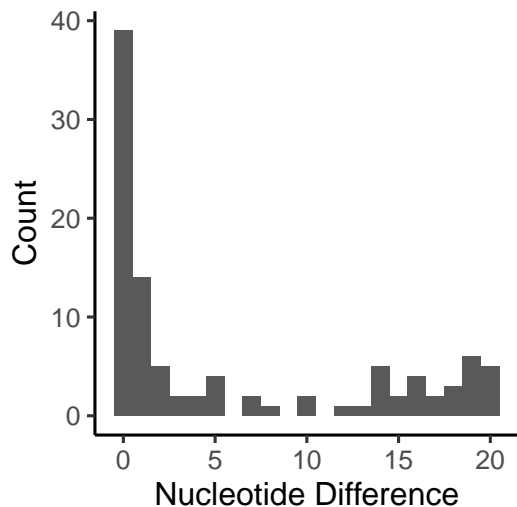
IGHV1-58*02

26 sequences assigned
9 (34.6%) exact matches, in which:
9 unique CDR3
4 unique J



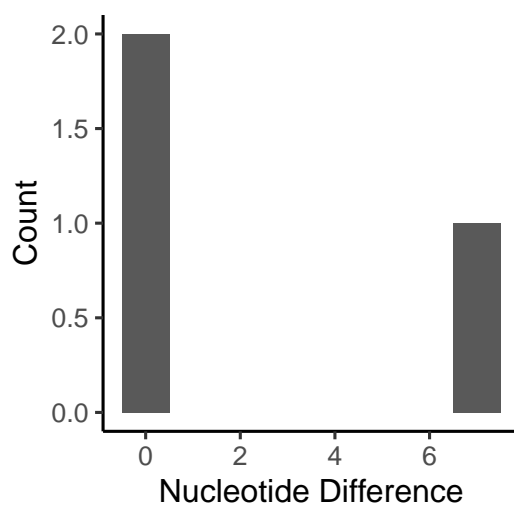
IGHV1-8*01

147 sequences assigned
39 (26.5%) exact matches, in which:
37 unique CDR3
5 unique J



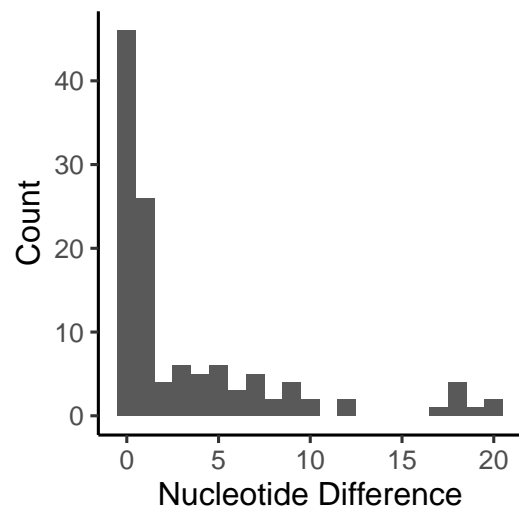
IGHV1-45*02

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



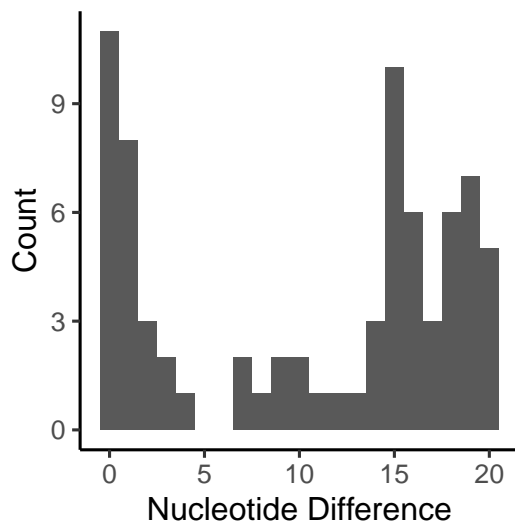
IGHV1-69*08_C191T

136 sequences assigned
46 (33.8%) exact matches, in which:
45 unique CDR3
6 unique J



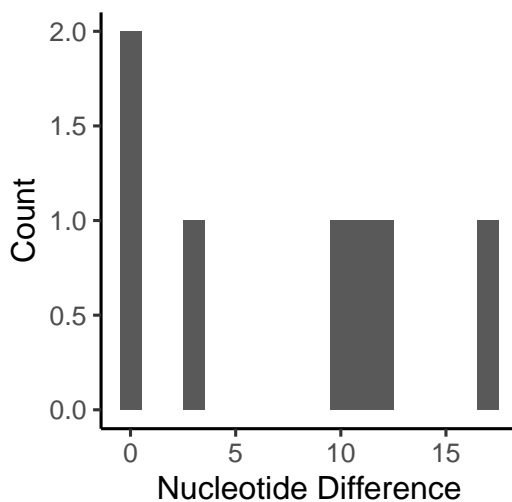
IGHV2-5*01

88 sequences assigned
11 (12.5%) exact matches, in which:
11 unique CDR3
4 unique J



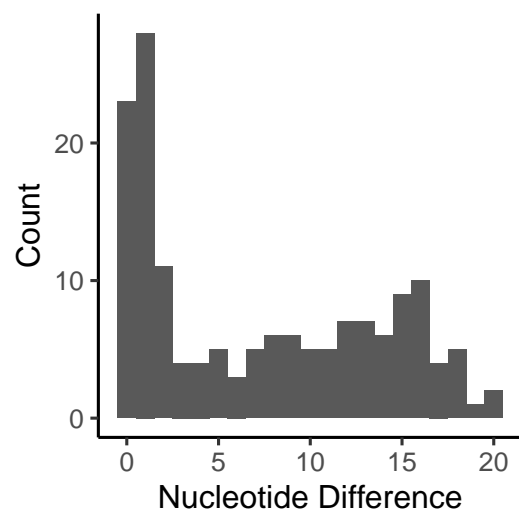
IGHV2-70*01

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



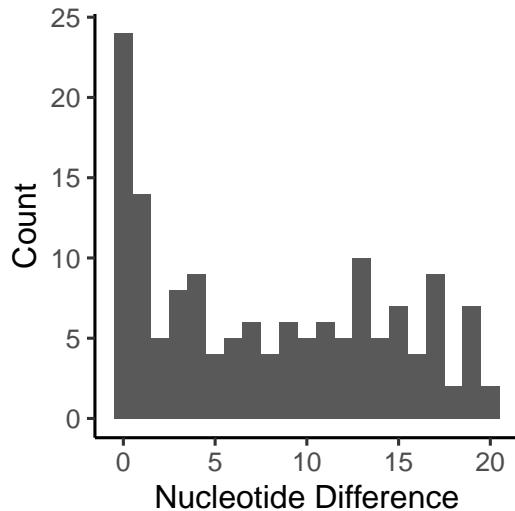
IGHV3-9*01

179 sequences assigned
23 (12.8%) exact matches, in which:
23 unique CDR3
5 unique J



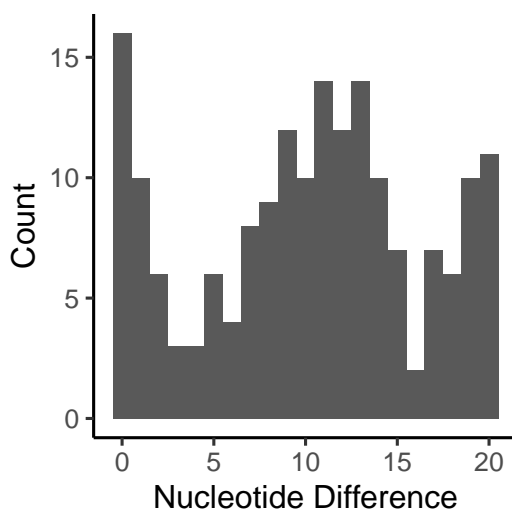
IGHV2-5*02

180 sequences assigned
24 (13.3%) exact matches, in which:
23 unique CDR3
4 unique J



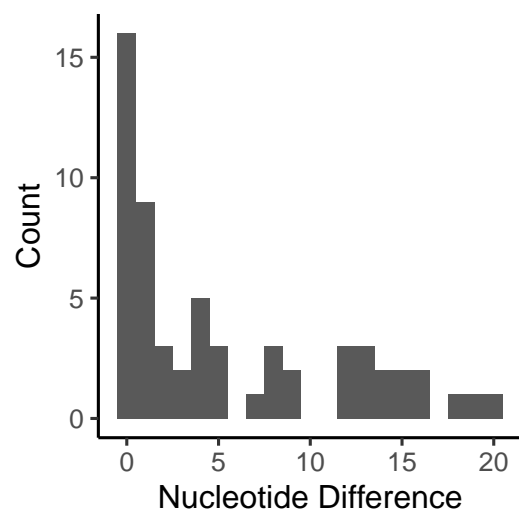
IGHV3-7*01

232 sequences assigned
16 (6.9%) exact matches, in which:
16 unique CDR3
4 unique J



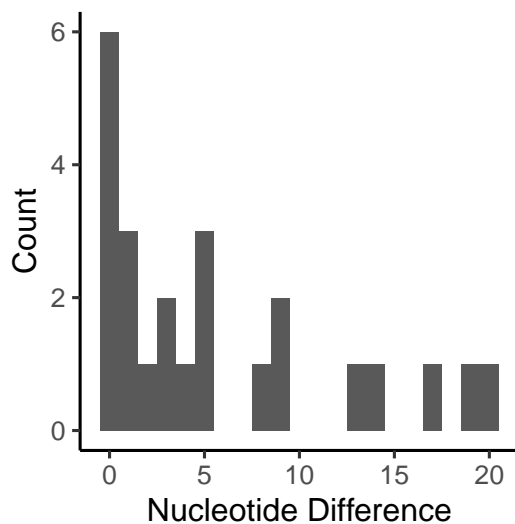
IGHV3-11*01

75 sequences assigned
16 (21.3%) exact matches, in which:
16 unique CDR3
4 unique J



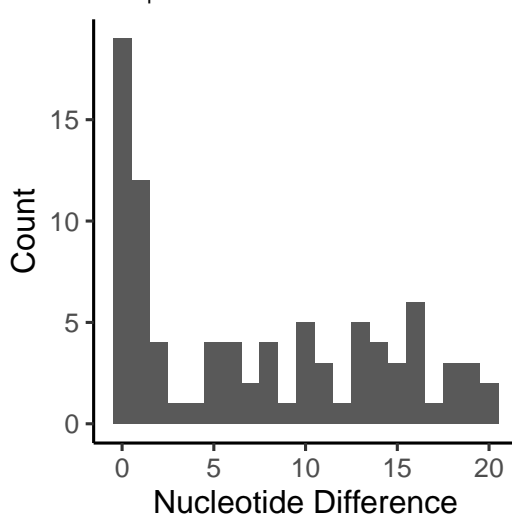
IGHV2-26*01

26 sequences assigned
6 (23.1%) exact matches, in which:
6 unique CDR3
4 unique J



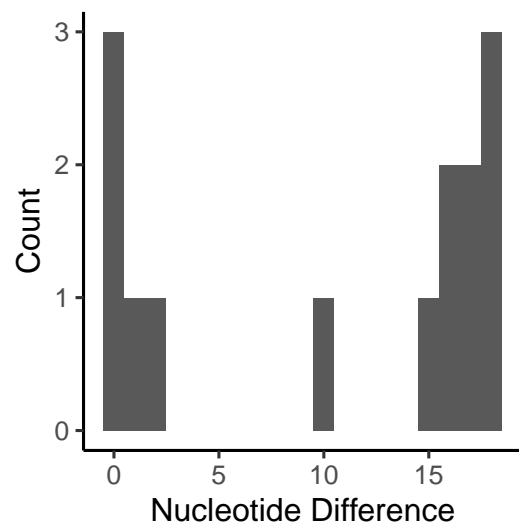
IGHV3-7*04

110 sequences assigned
19 (17.3%) exact matches, in which:
19 unique CDR3
4 unique J



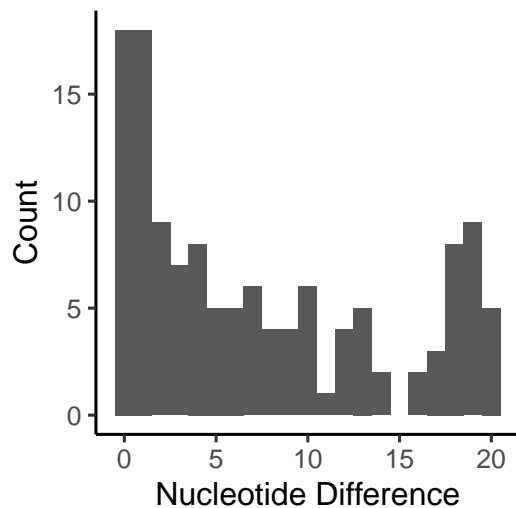
IGHV3-13*01

26 sequences assigned
3 (11.5%) exact matches, in which:
3 unique CDR3
2 unique J



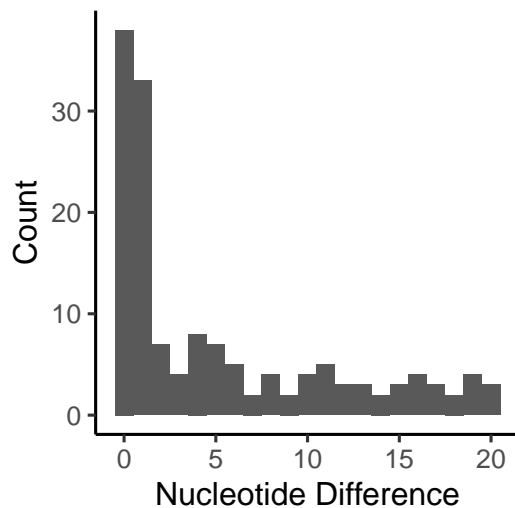
IGHV3-15*01

171 sequences assigned
18 (10.5%) exact matches, in which:
18 unique CDR3
4 unique J



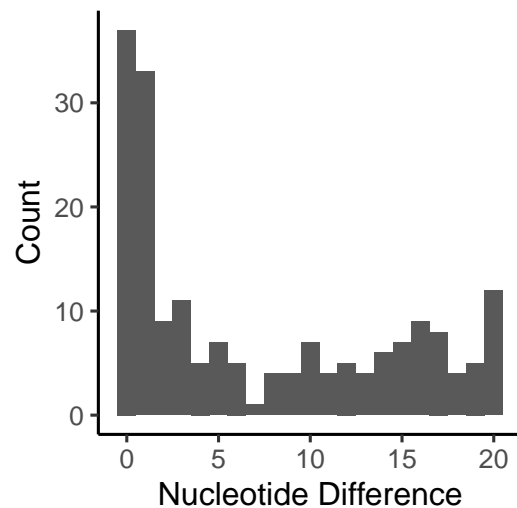
IGHV3-21*01

168 sequences assigned
38 (22.6%) exact matches, in which:
38 unique CDR3
6 unique J



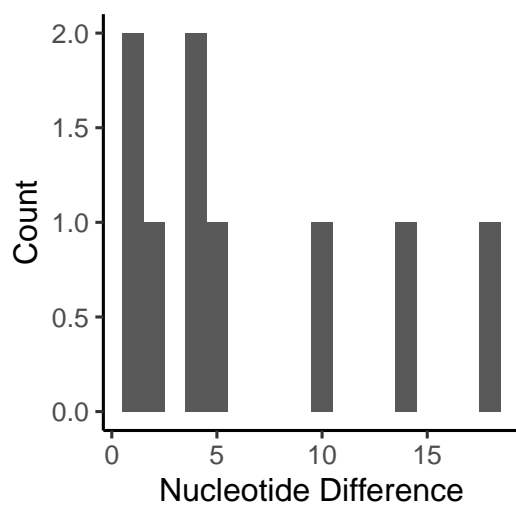
IGHV3-33*01

273 sequences assigned
37 (13.6%) exact matches, in which:
37 unique CDR3
7 unique J



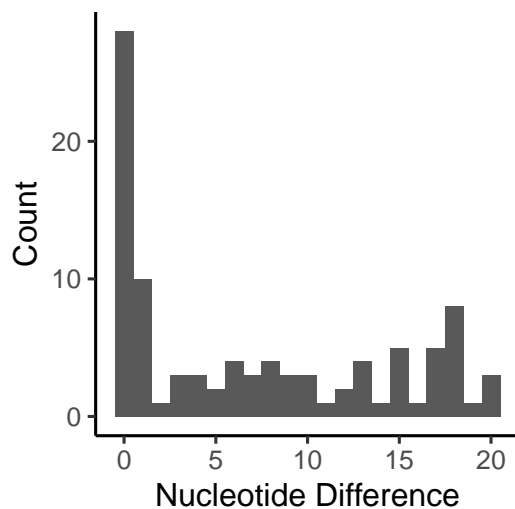
IGHV3-20*01

10 sequences assigned
No exact matches.



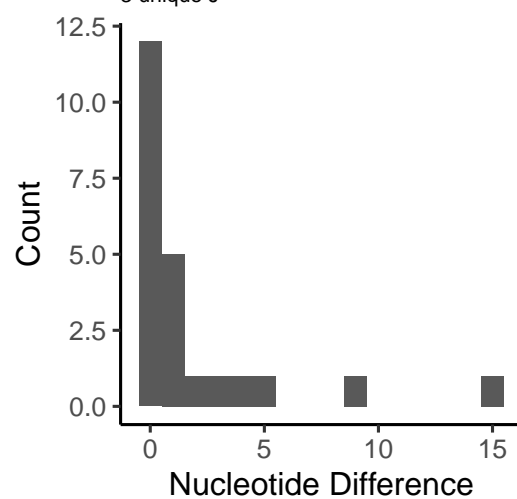
IGHV3-23*01_A152G

133 sequences assigned
28 (21.1%) exact matches, in which:
28 unique CDR3
5 unique J



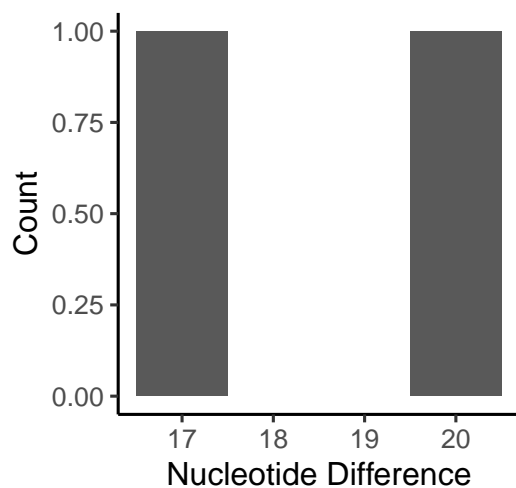
IGHV3-43*01

30 sequences assigned
12 (40%) exact matches, in which:
11 unique CDR3
3 unique J



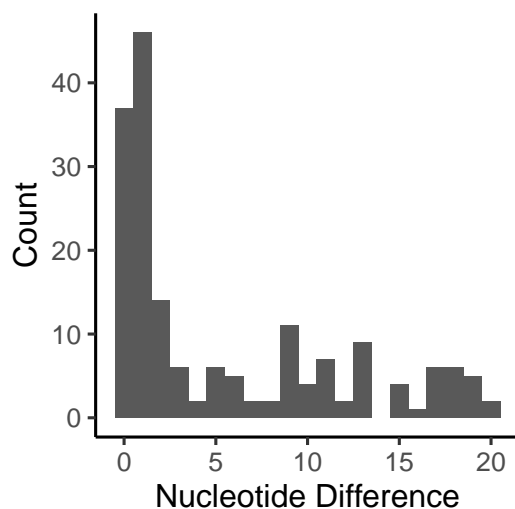
IGHV3-20*04

3 sequences assigned
No exact matches.



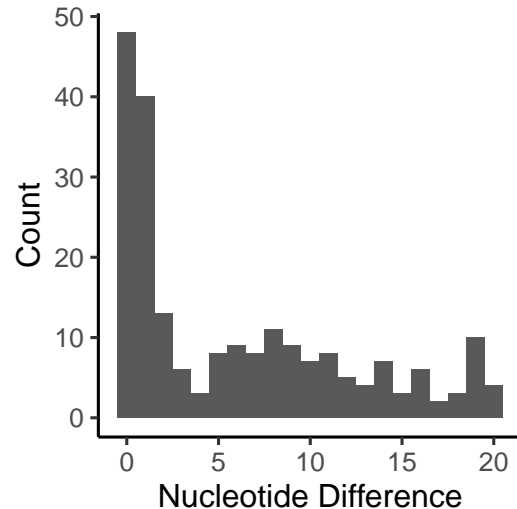
IGHV3-30-3*01

215 sequences assigned
37 (17.2%) exact matches, in which:
37 unique CDR3
5 unique J



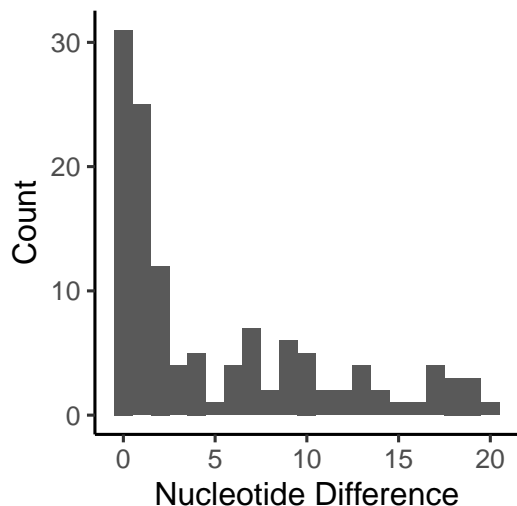
IGHV3-48*01

264 sequences assigned
48 (18.2%) exact matches, in which:
48 unique CDR3
7 unique J



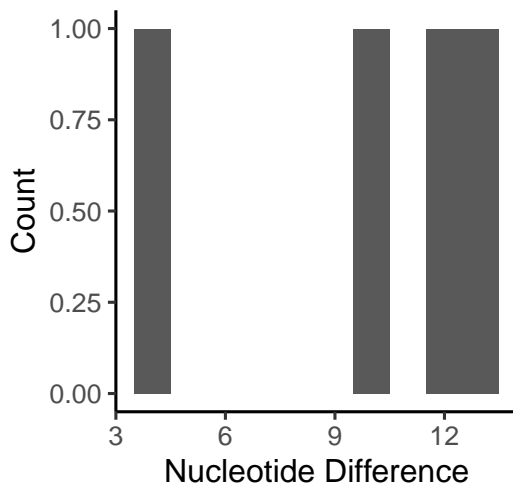
IGHV3-49*03

173 sequences assigned
31 (17.9%) exact matches, in which:
27 unique CDR3
6 unique J



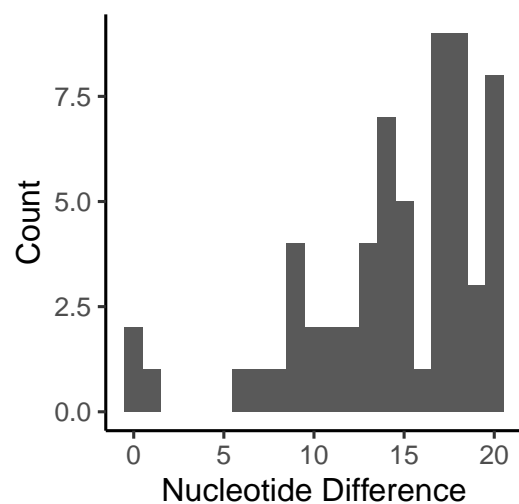
IGHV3-64*02

4 sequences assigned
No exact matches.



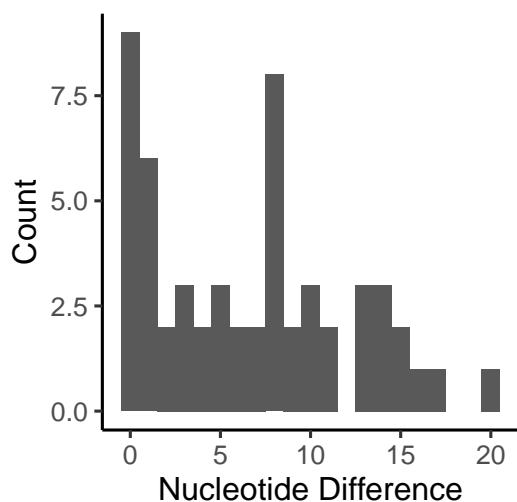
IGHV3-72*01

103 sequences assigned
2 (1.9%) exact matches, in which:
2 unique CDR3
2 unique J



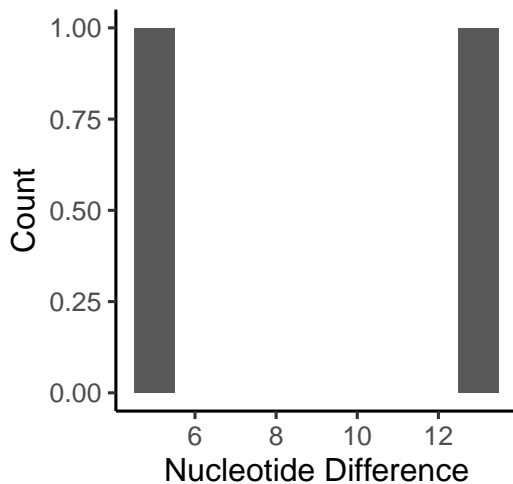
IGHV3-53*02

67 sequences assigned
9 (13.4%) exact matches, in which:
9 unique CDR3
5 unique J



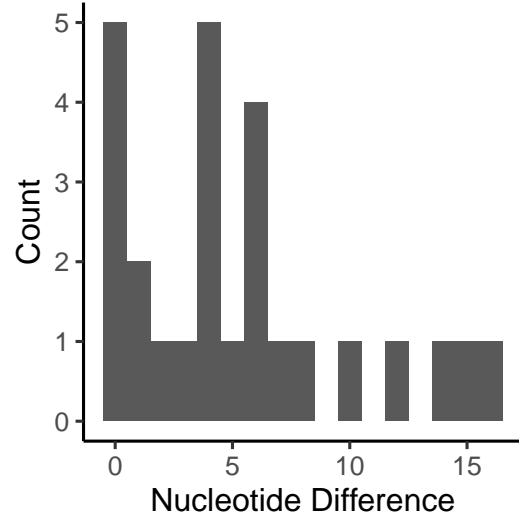
IGHV3-64*07

3 sequences assigned
No exact matches.



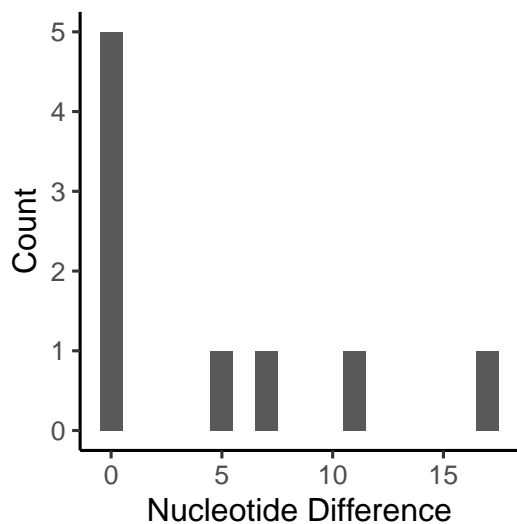
IGHV3-73*01

35 sequences assigned
5 (14.3%) exact matches, in which:
5 unique CDR3
4 unique J



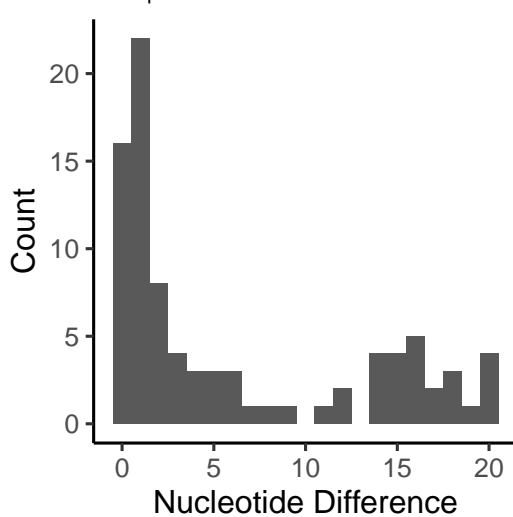
IGHV3-64*01

11 sequences assigned
5 (45.5%) exact matches, in which:
5 unique CDR3
3 unique J



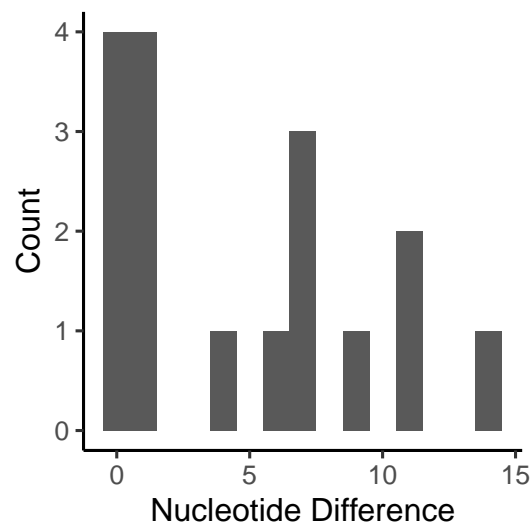
IGHV3-66*02_G51T

120 sequences assigned
16 (13.3%) exact matches, in which:
16 unique CDR3
5 unique J



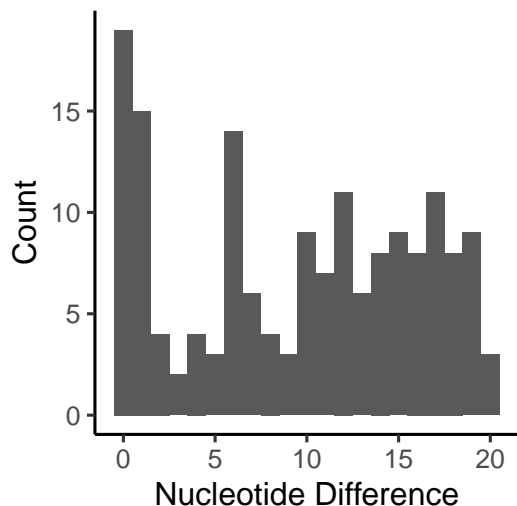
IGHV3-73*02

19 sequences assigned
4 (21.1%) exact matches, in which:
4 unique CDR3
3 unique J



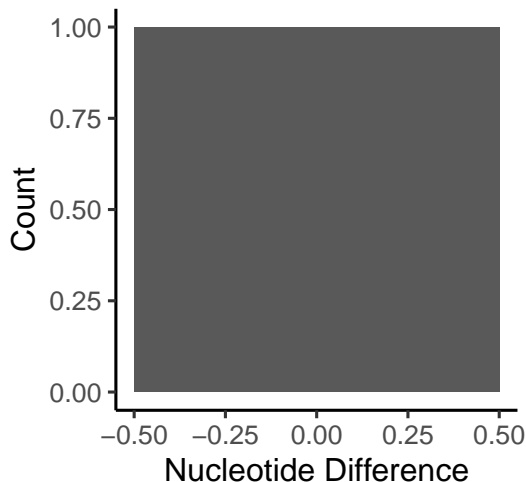
IGHV3-74*01

224 sequences assigned
19 (8.5%) exact matches, in which:
19 unique CDR3
4 unique J



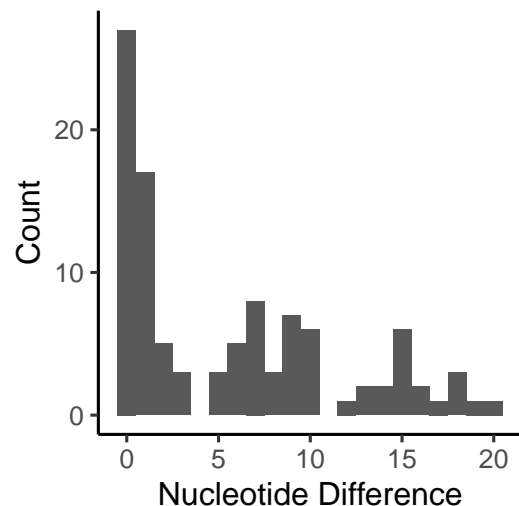
IGHV4-28*01

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



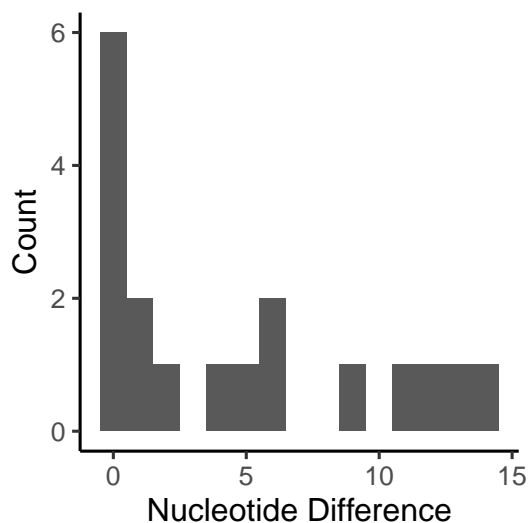
IGHV4-31*03

157 sequences assigned
27 (17.2%) exact matches, in which:
27 unique CDR3
5 unique J



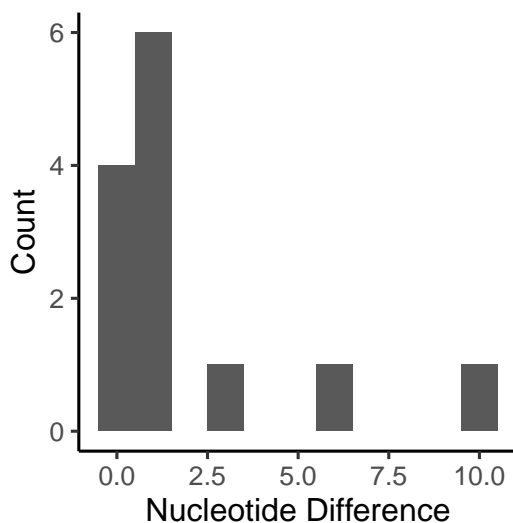
IGHV3-43D*04

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



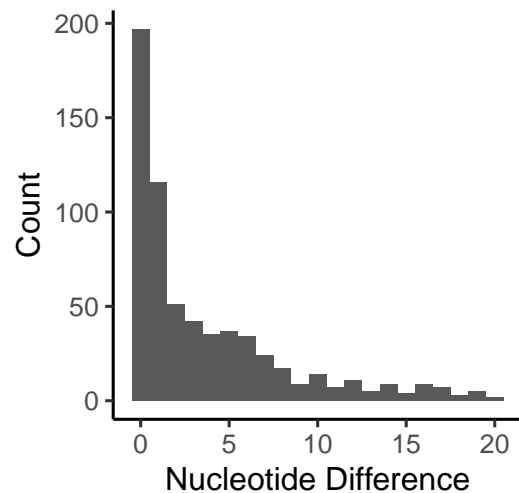
IGHV4-30-2*01

17 sequences assigned
4 (23.5%) exact matches, in which:
4 unique CDR3
3 unique J



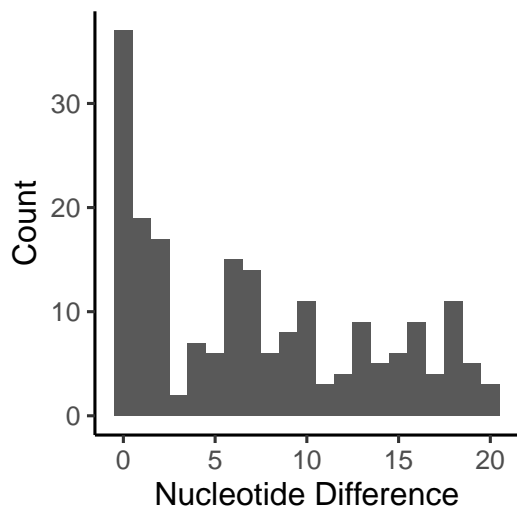
IGHV4-34*01

755 sequences assigned
197 (26.1%) exact matches, in which:
196 unique CDR3
7 unique J



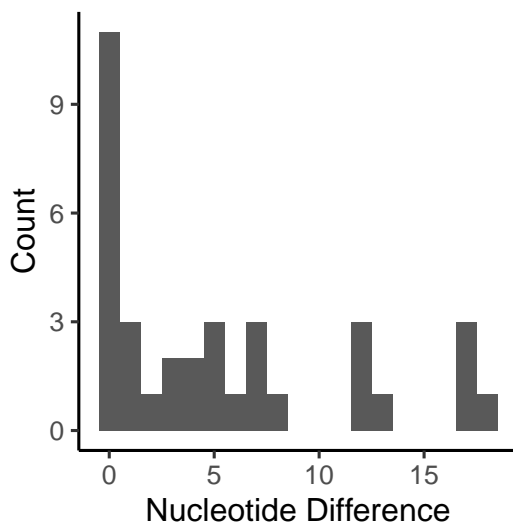
IGHV4-4*07

256 sequences assigned
37 (14.5%) exact matches, in which:
36 unique CDR3
6 unique J



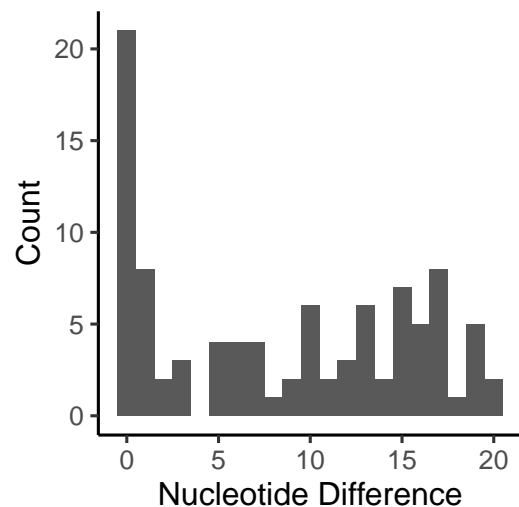
IGHV4-30-4*01

56 sequences assigned
11 (19.6%) exact matches, in which:
11 unique CDR3
4 unique J



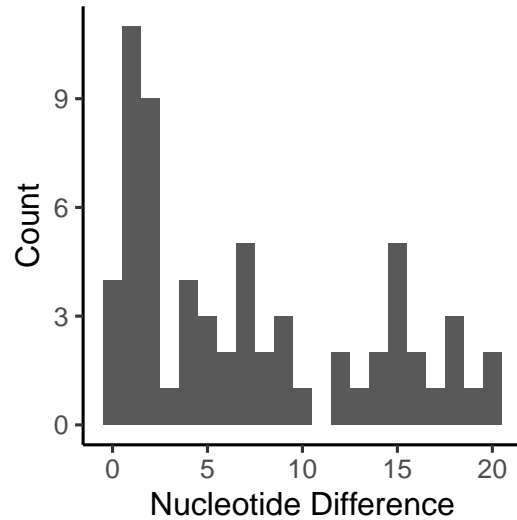
IGHV4-38-2*01

105 sequences assigned
21 (20%) exact matches, in which:
21 unique CDR3
4 unique J



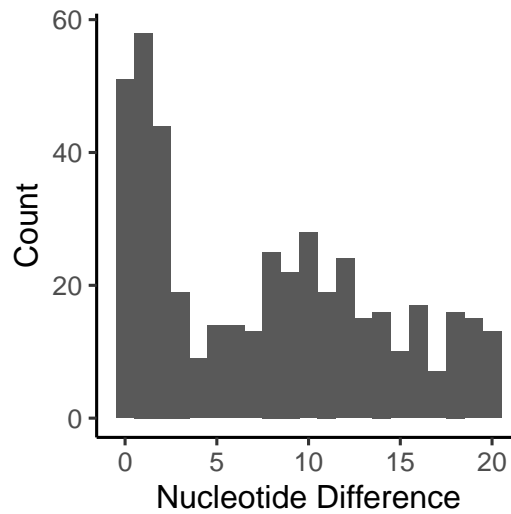
IGHV4-38-2*02

115 sequences assigned
4 (3.5%) exact matches, in which:
2 unique CDR3
1 unique J



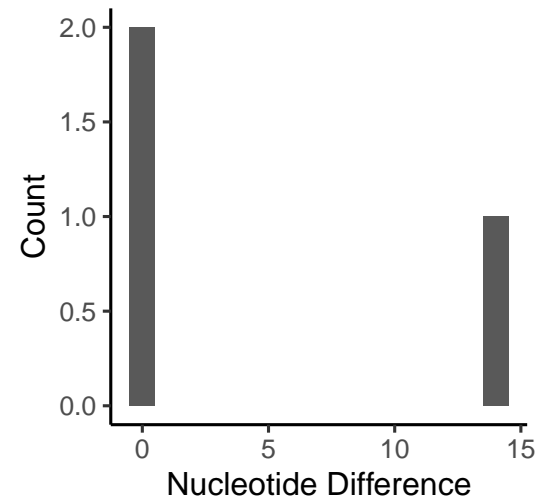
IGHV4-61*02

539 sequences assigned
51 (9.5%) exact matches, in which:
51 unique CDR3
6 unique J



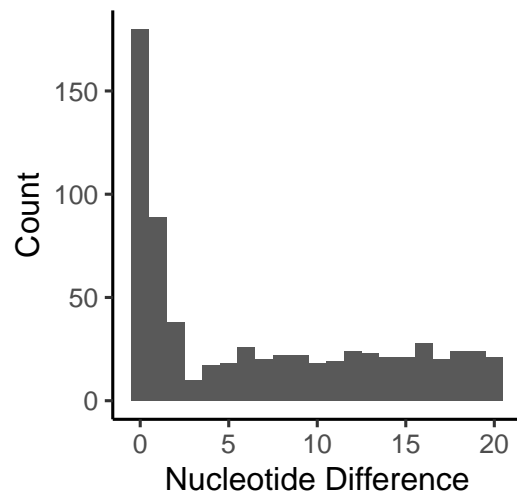
IGHV5-10-1*03

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



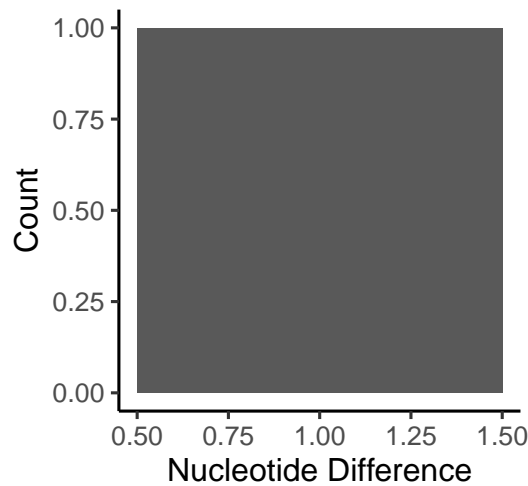
IGHV4-39*01

1005 sequences assigned
180 (17.9%) exact matches, in which:
175 unique CDR3
6 unique J



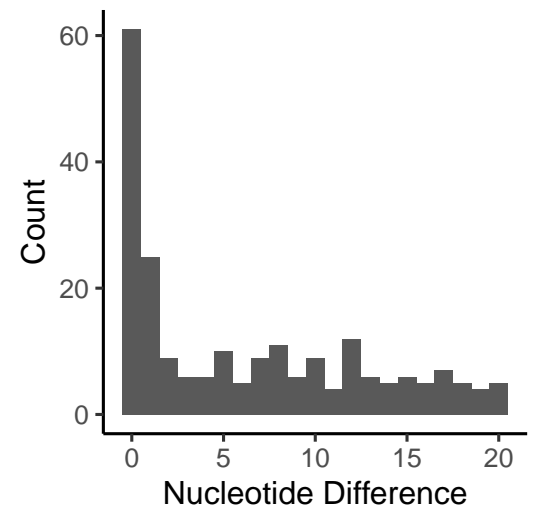
IGHV1/OR15-2*01

1 sequences assigned
No exact matches.



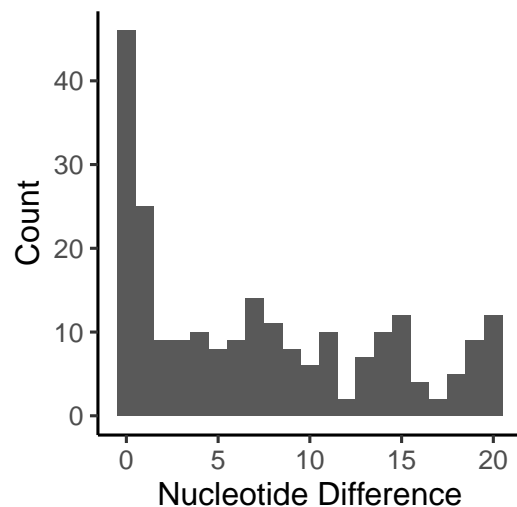
IGHV5-51*01_C45G

278 sequences assigned
61 (21.9%) exact matches, in which:
60 unique CDR3
7 unique J



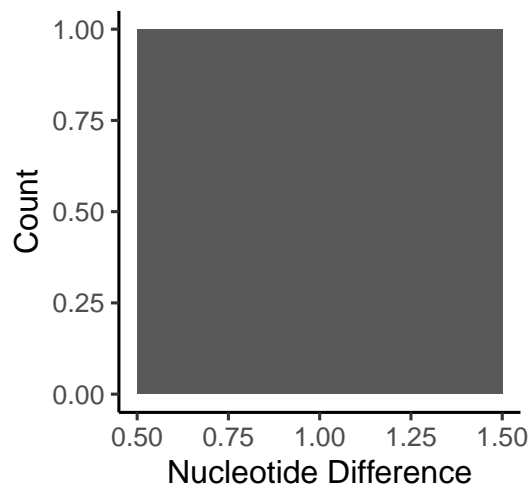
IGHV4-59*01

292 sequences assigned
46 (15.8%) exact matches, in which:
44 unique CDR3
6 unique J



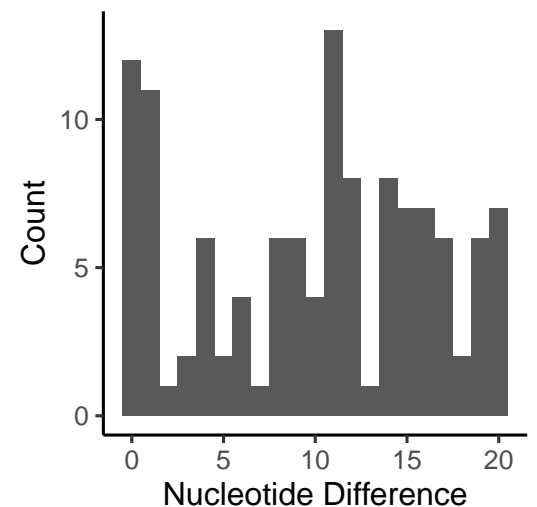
IGHV1/OR15-4*01

1 sequences assigned
No exact matches.



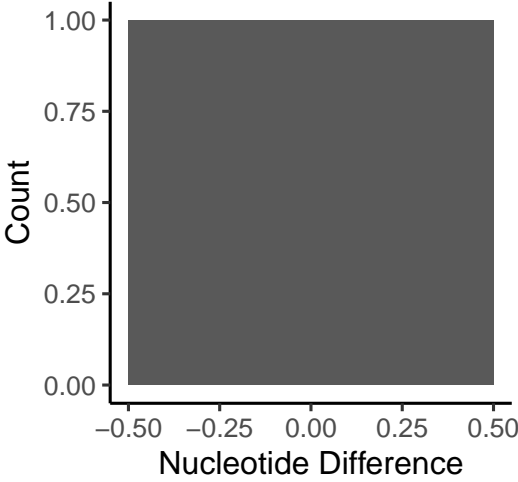
IGHV6-1*01

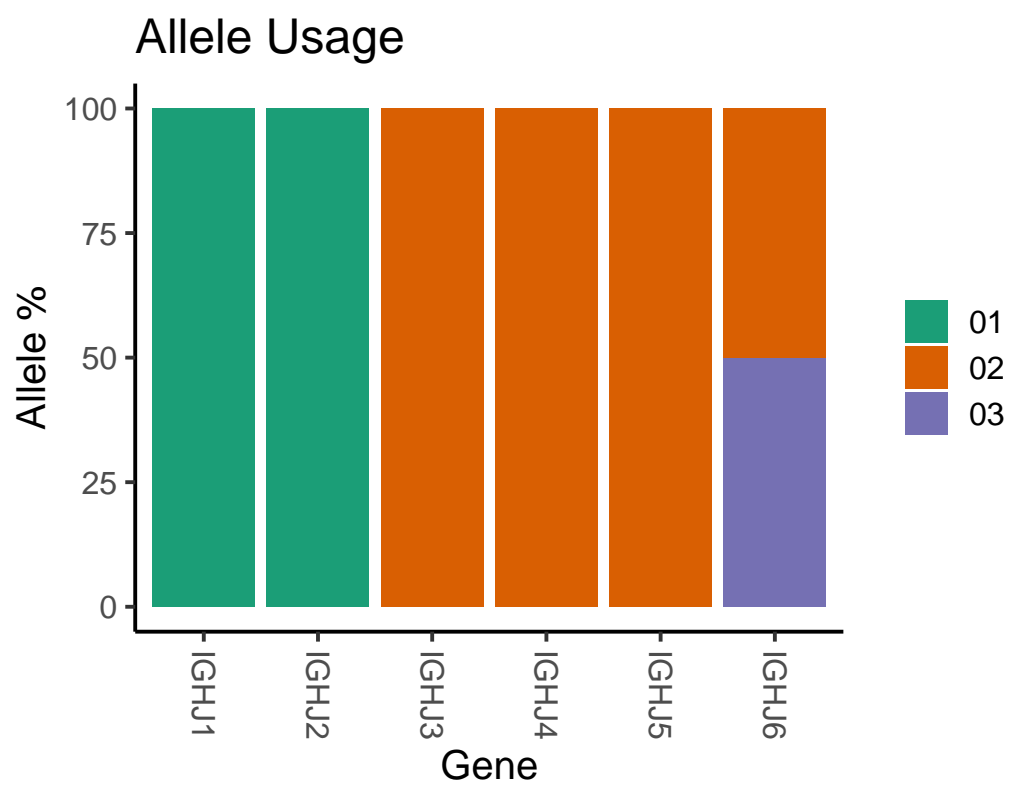
168 sequences assigned
12 (7.1%) exact matches, in which:
12 unique CDR3
6 unique J



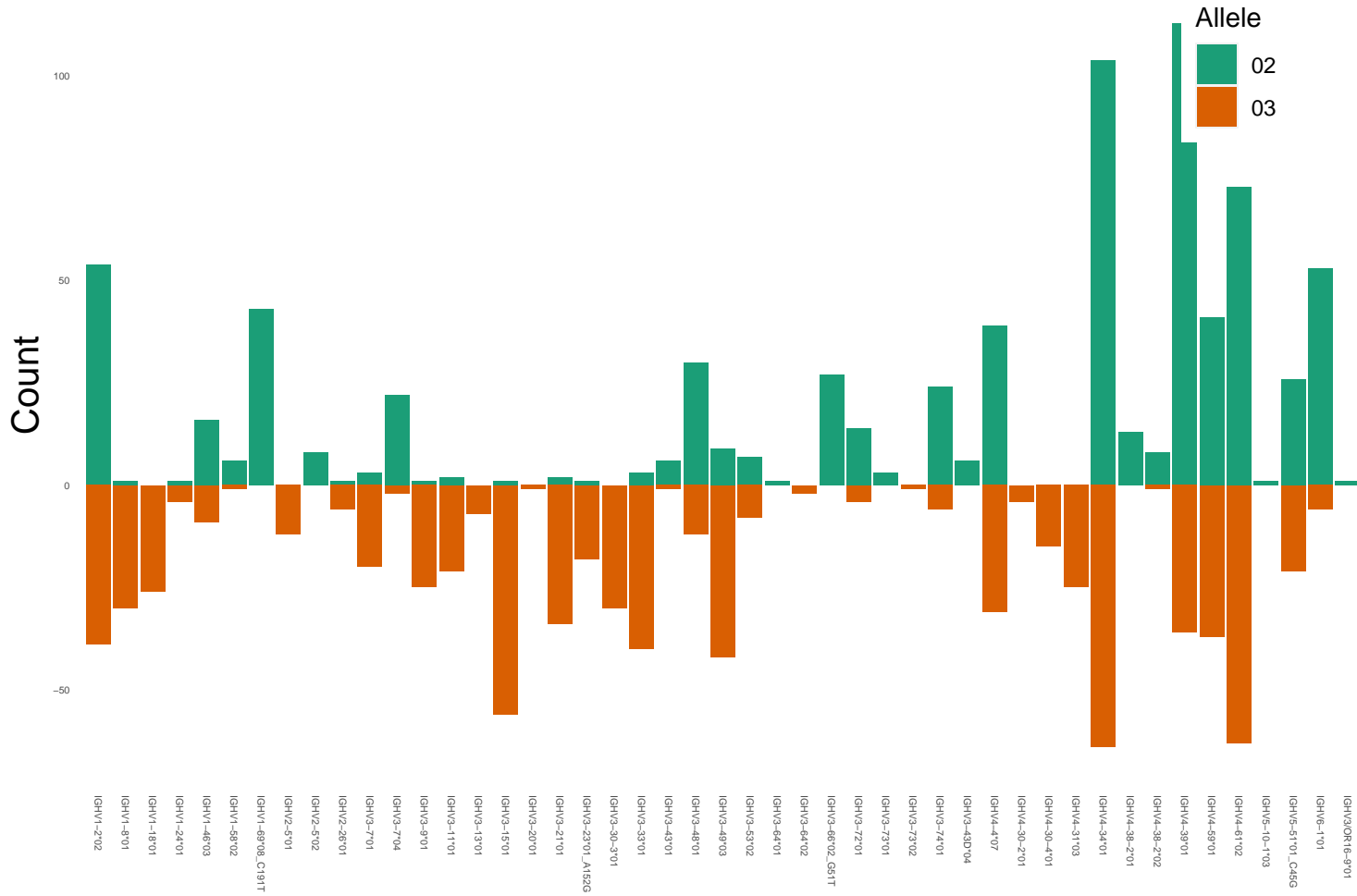
IGHV3/OR16-9*01

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





Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.