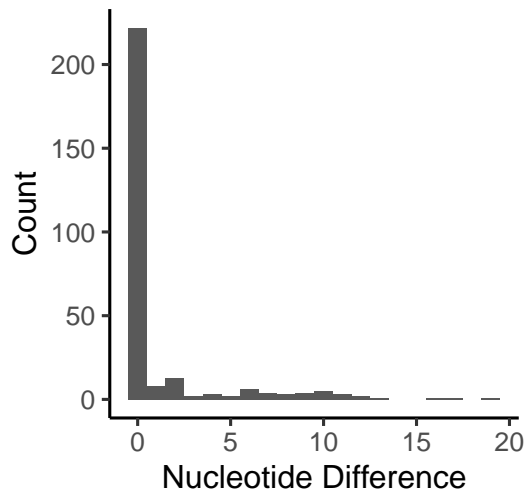


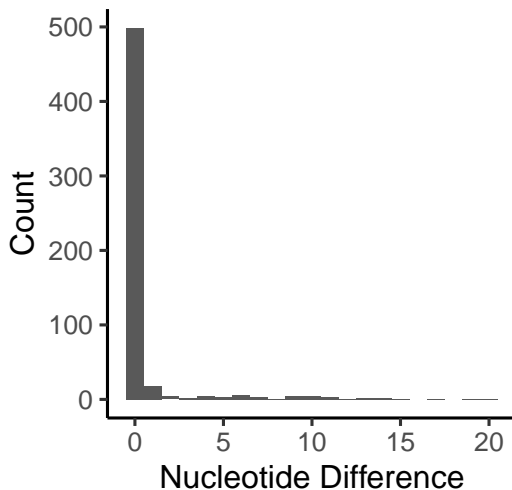
IGHV1-2*02

289 sequences assigned
222 (76.8%) exact matches, in which:
221 unique CDR3
6 unique J



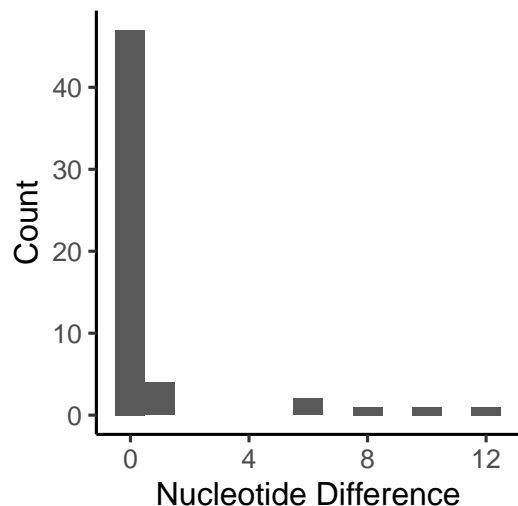
IGHV1-18*01

573 sequences assigned
499 (87.1%) exact matches, in which:
499 unique CDR3
6 unique J



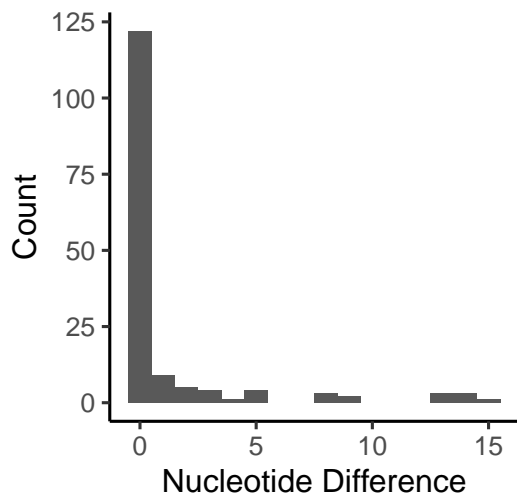
IGHV1-46*01

56 sequences assigned
47 (83.9%) exact matches, in which:
47 unique CDR3
5 unique J



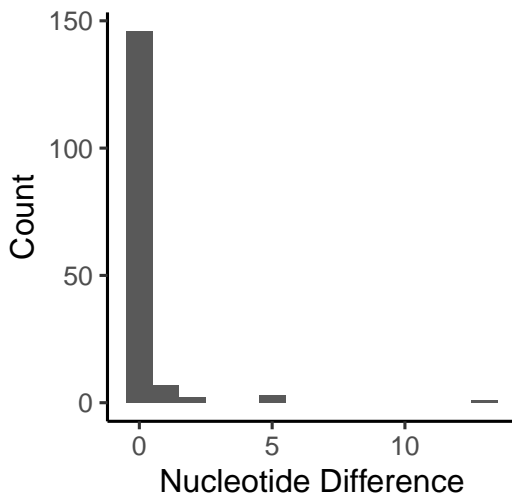
IGHV1-3*01

160 sequences assigned
122 (76.2%) exact matches, in which:
122 unique CDR3
6 unique J



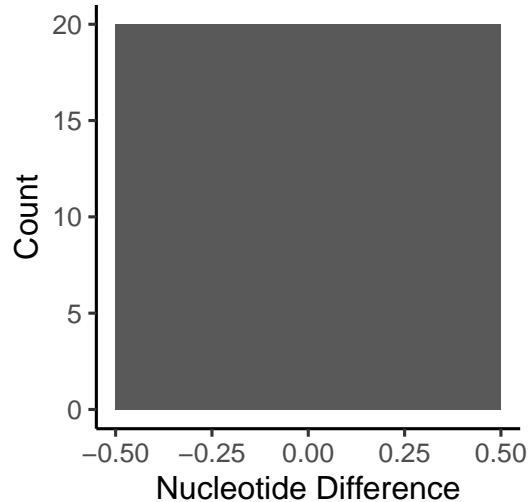
IGHV1-24*01

159 sequences assigned
146 (91.8%) exact matches, in which:
146 unique CDR3
6 unique J



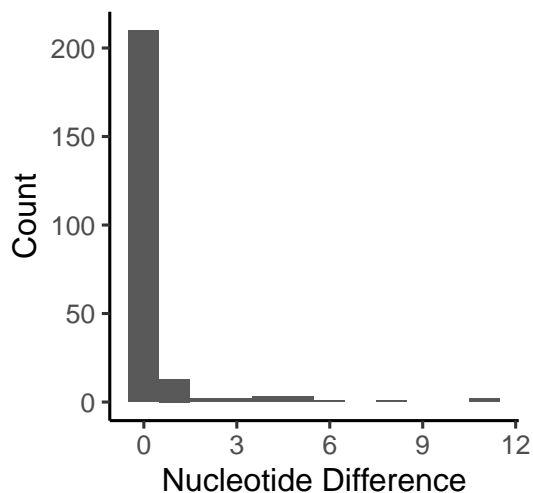
IGHV1-46*03

20 sequences assigned
20 (100%) exact matches, in which:
20 unique CDR3
5 unique J



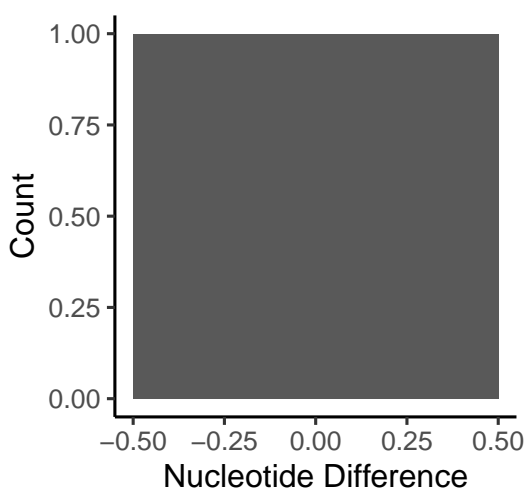
IGHV1-8*01

239 sequences assigned
210 (87.9%) exact matches, in which:
210 unique CDR3
6 unique J



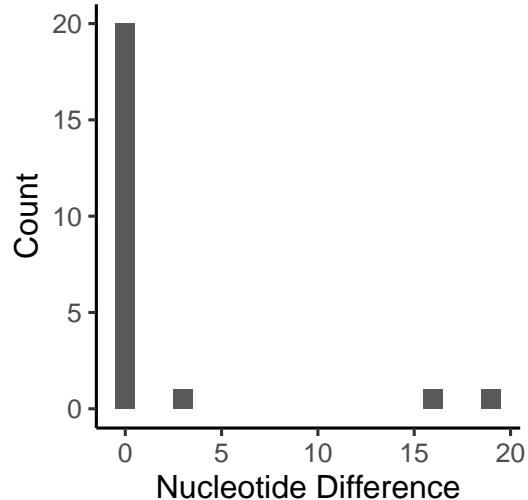
IGHV1-45*02

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



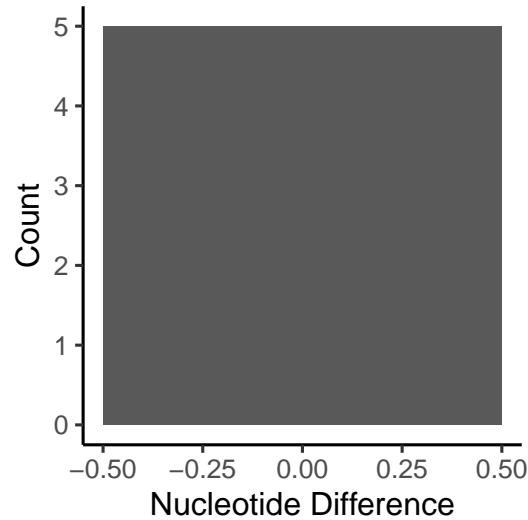
IGHV1-58*01

29 sequences assigned
20 (69%) exact matches, in which:
20 unique CDR3
5 unique J



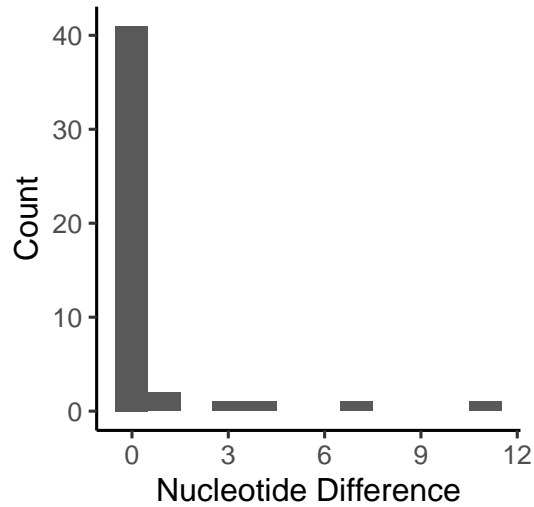
IGHV1-58*02

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



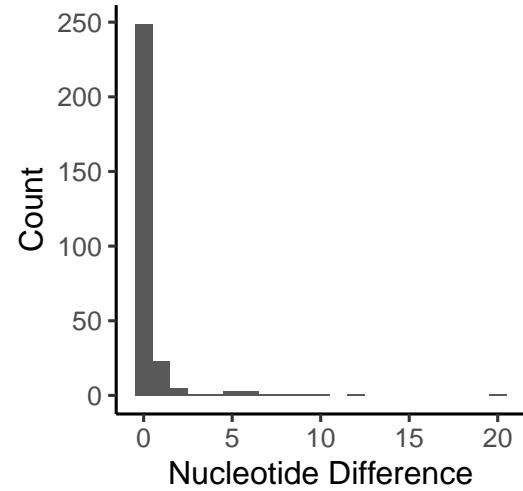
IGHV2-26*01

47 sequences assigned
41 (87.2%) exact matches, in which:
41 unique CDR3
5 unique J



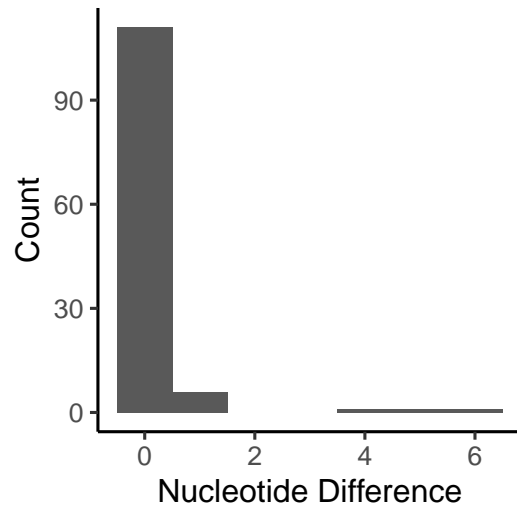
IGHV3-9*01

291 sequences assigned
249 (85.6%) exact matches, in which:
249 unique CDR3
6 unique J



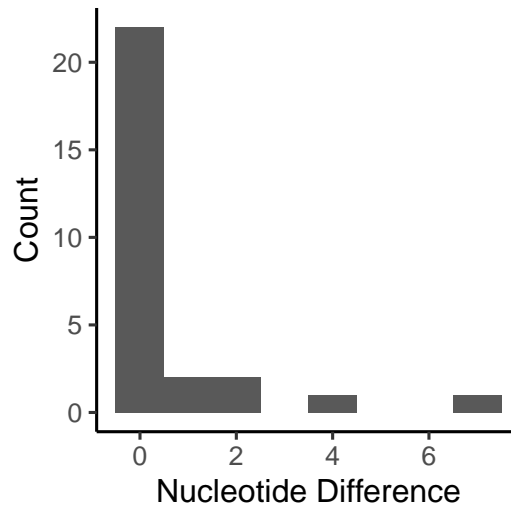
IGHV1-69*08_C191T

120 sequences assigned
111 (92.5%) exact matches, in which:
111 unique CDR3
6 unique J



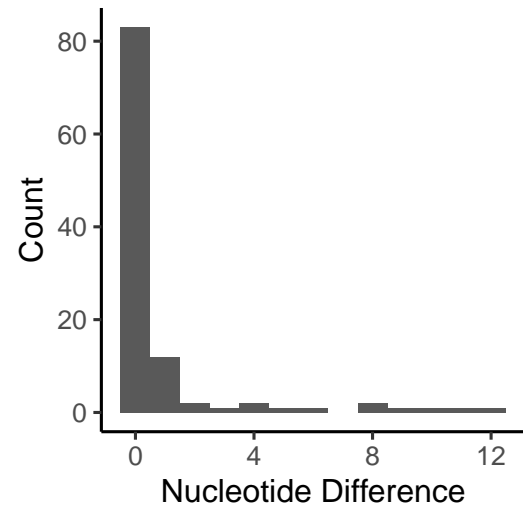
IGHV2-70*01

28 sequences assigned
22 (78.6%) exact matches, in which:
22 unique CDR3
5 unique J



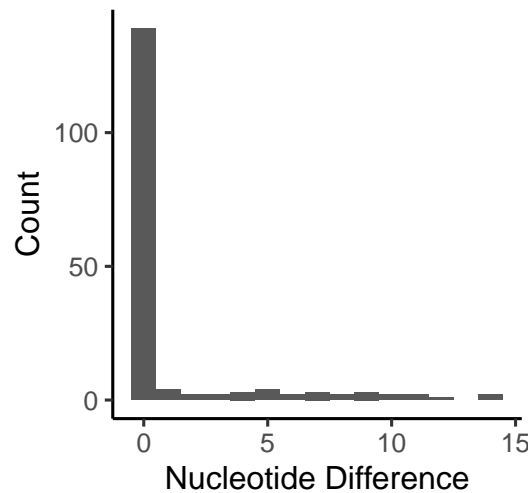
IGHV3-11*01

110 sequences assigned
83 (75.5%) exact matches, in which:
83 unique CDR3
6 unique J



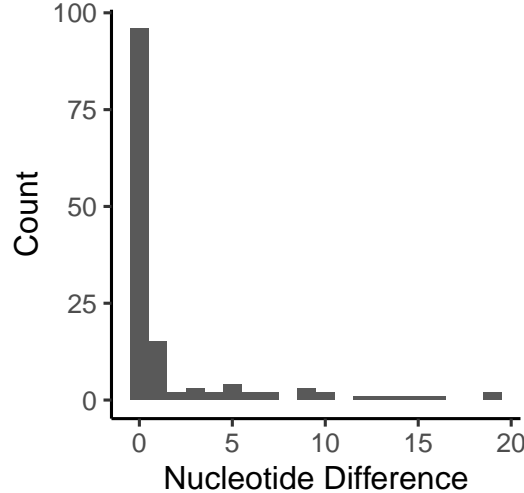
IGHV2-5*01

173 sequences assigned
139 (80.3%) exact matches, in which:
139 unique CDR3
6 unique J



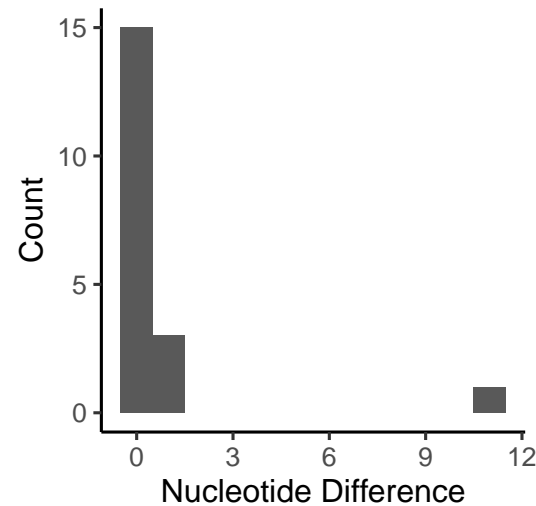
IGHV3-7*01

143 sequences assigned
96 (67.1%) exact matches, in which:
96 unique CDR3
6 unique J



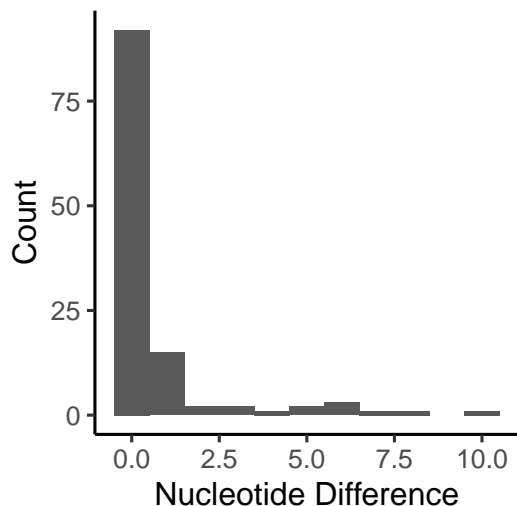
IGHV3-13*01

19 sequences assigned
15 (78.9%) exact matches, in which:
15 unique CDR3
5 unique J



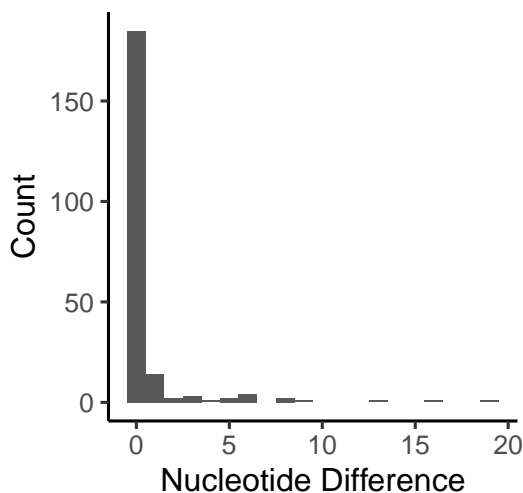
IGHV3-15*01

122 sequences assigned
92 (75.4%) exact matches, in which:
92 unique CDR3
4 unique J



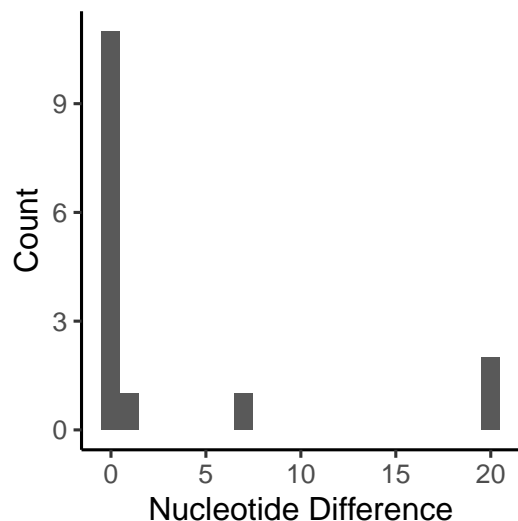
IGHV3-21*01

218 sequences assigned
185 (84.9%) exact matches, in which:
185 unique CDR3
6 unique J



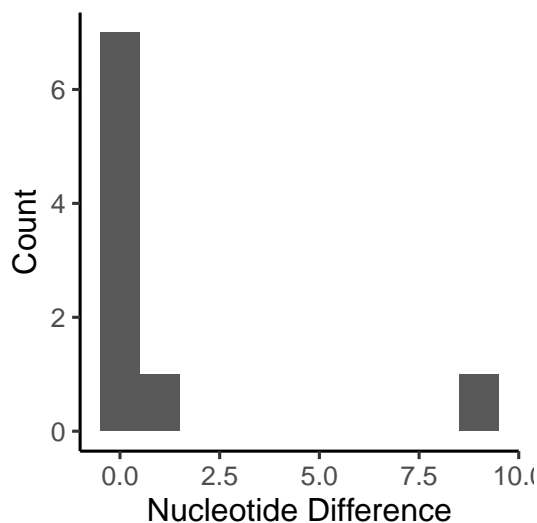
IGHV3-43*01

16 sequences assigned
11 (68.8%) exact matches, in which:
11 unique CDR3
4 unique J



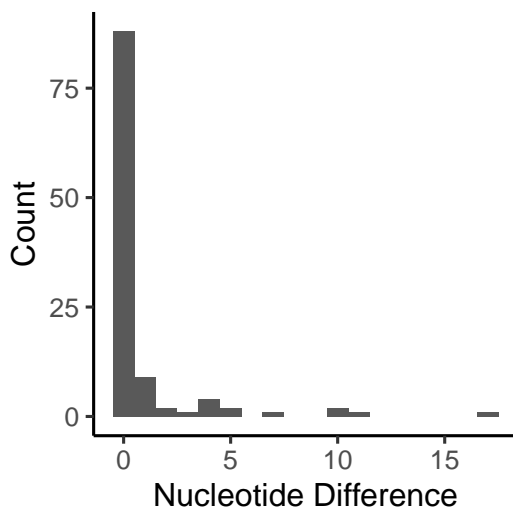
IGHV3-20*01

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
4 unique J



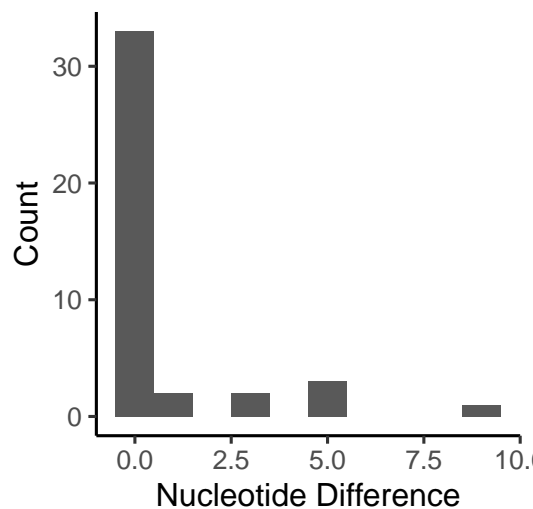
IGHV3-30-3*01

115 sequences assigned
88 (76.5%) exact matches, in which:
88 unique CDR3
6 unique J



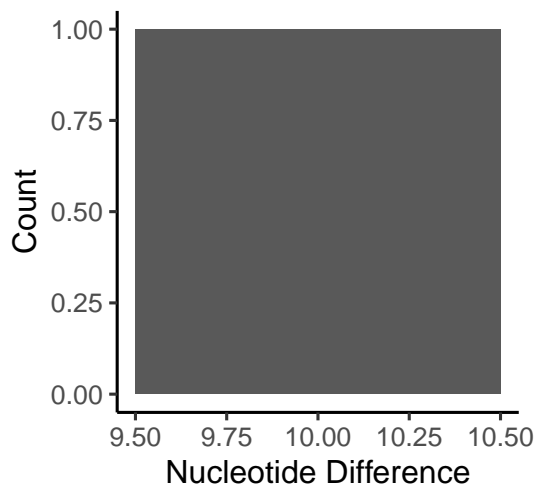
IGHV3-48*01

41 sequences assigned
33 (80.5%) exact matches, in which:
33 unique CDR3
5 unique J



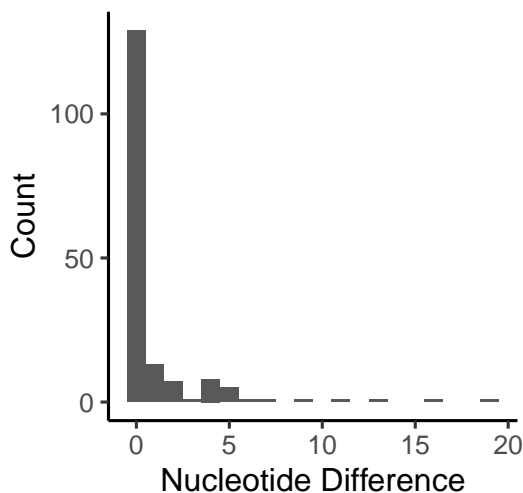
IGHV3-20*04

3 sequences assigned
No exact matches.



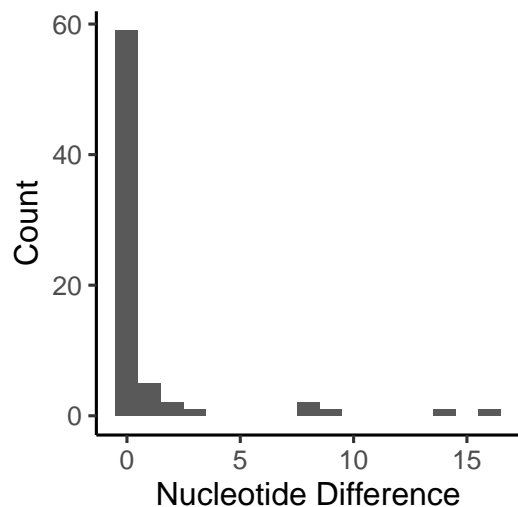
IGHV3-33*01

170 sequences assigned
129 (75.9%) exact matches, in which:
129 unique CDR3
5 unique J



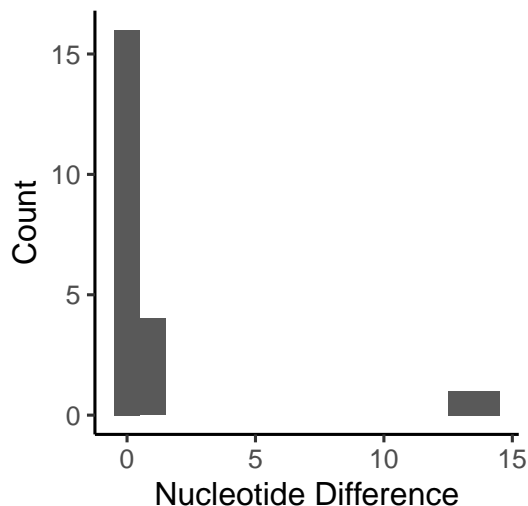
IGHV3-48*02

72 sequences assigned
59 (81.9%) exact matches, in which:
59 unique CDR3
5 unique J



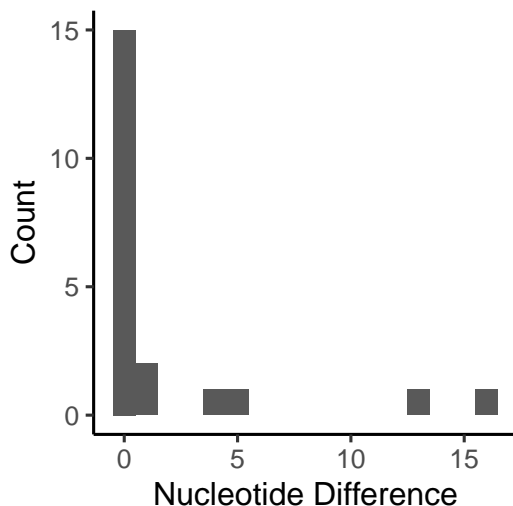
IGHV3-49*03

24 sequences assigned
16 (66.7%) exact matches, in which:
16 unique CDR3
4 unique J



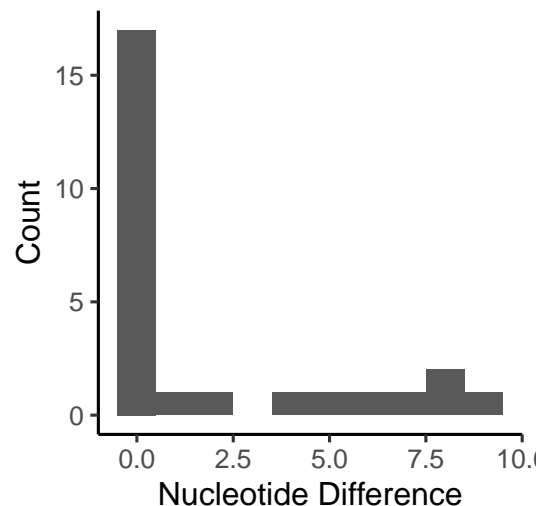
IGHV3-53*02

21 sequences assigned
15 (71.4%) exact matches, in which:
15 unique CDR3
4 unique J



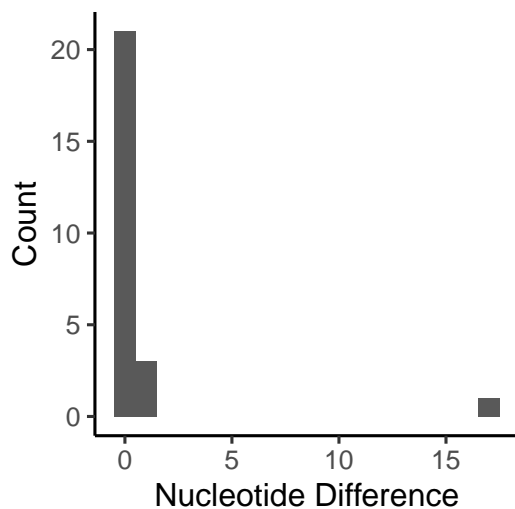
IGHV3-66*02

26 sequences assigned
17 (65.4%) exact matches, in which:
17 unique CDR3
4 unique J



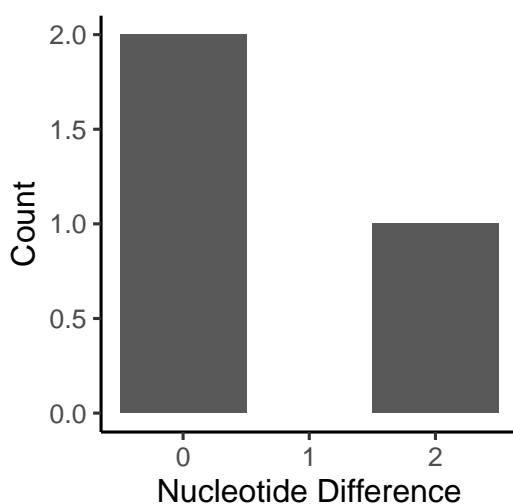
IGHV3-49*05

25 sequences assigned
21 (84%) exact matches, in which:
21 unique CDR3
4 unique J



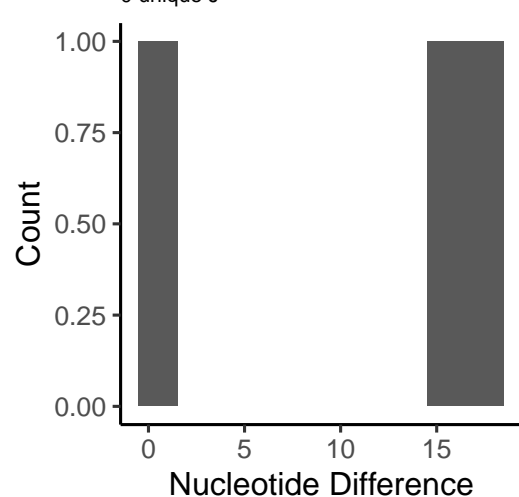
IGHV3-64*01

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



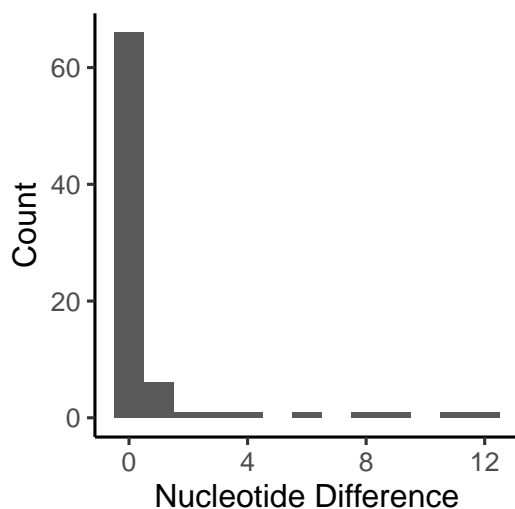
IGHV3-72*01

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



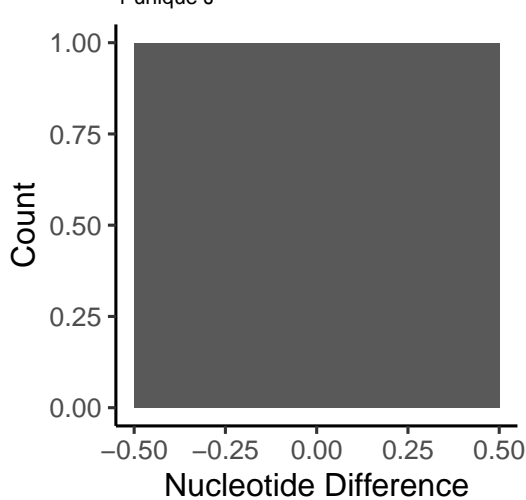
IGHV3-53*01

80 sequences assigned
66 (82.5%) exact matches, in which:
66 unique CDR3
6 unique J



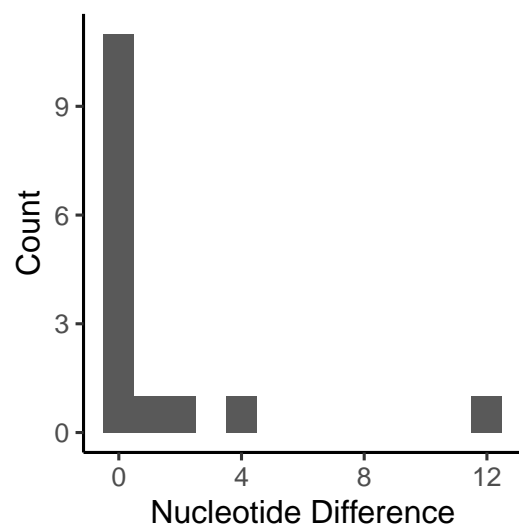
IGHV3-64*02

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



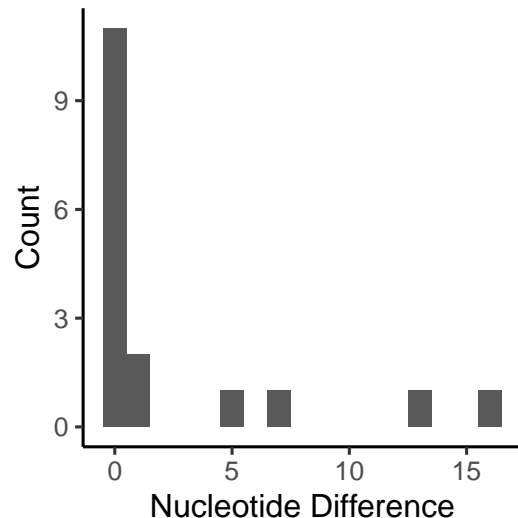
IGHV3-73*01

15 sequences assigned
11 (73.3%) exact matches, in which:
11 unique CDR3
4 unique J



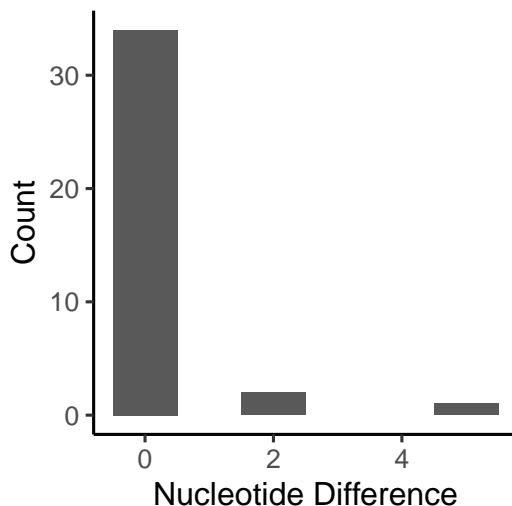
IGHV3-73*02

17 sequences assigned
11 (64.7%) exact matches, in which:
11 unique CDR3
4 unique J



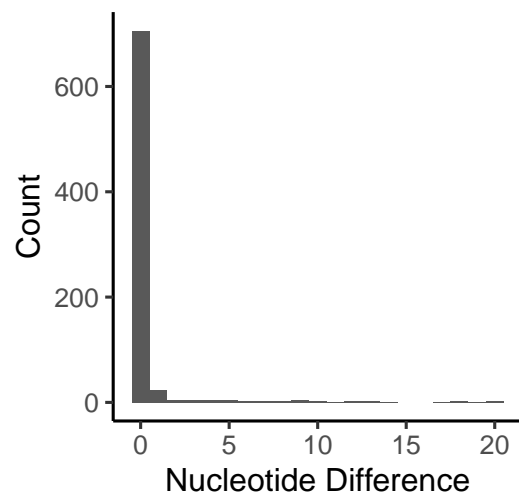
IGHV4-30-4*01

37 sequences assigned
34 (91.9%) exact matches, in which:
34 unique CDR3
6 unique J



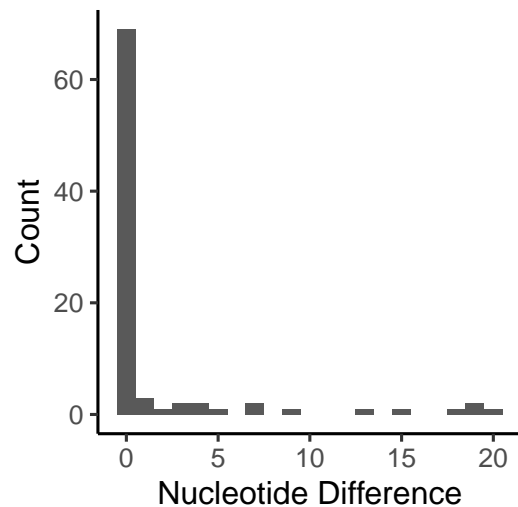
IGHV4-34*01

778 sequences assigned
706 (90.7%) exact matches, in which:
705 unique CDR3
6 unique J



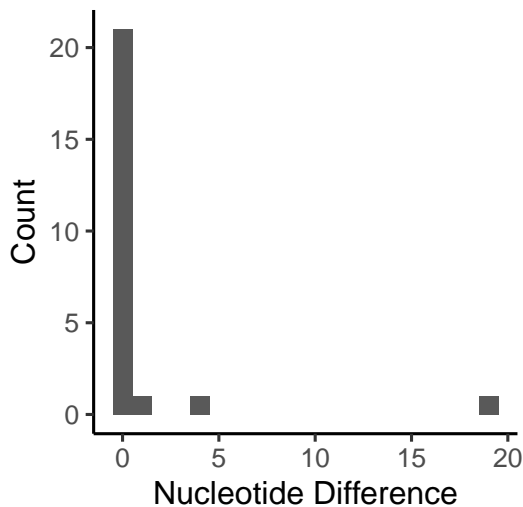
IGHV3-74*01

101 sequences assigned
69 (68.3%) exact matches, in which:
69 unique CDR3
5 unique J



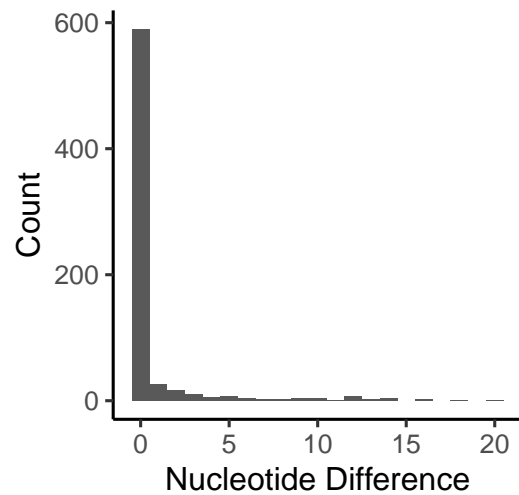
IGHV4-30-2*01

25 sequences assigned
21 (84%) exact matches, in which:
21 unique CDR3
5 unique J



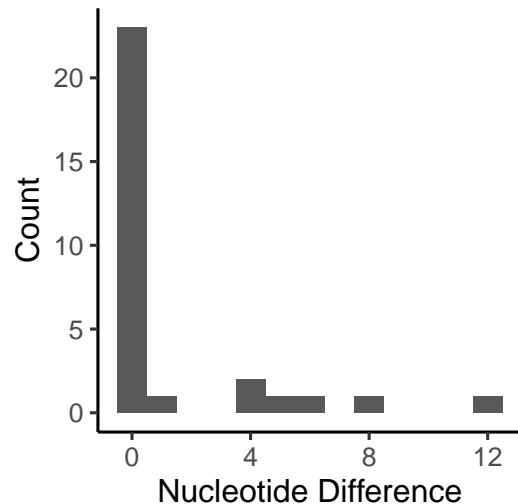
IGHV4-39*01

694 sequences assigned
590 (85%) exact matches, in which:
590 unique CDR3
6 unique J



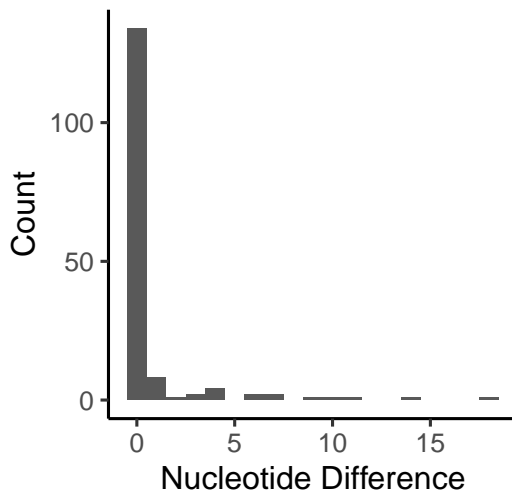
IGHV4-4*07

30 sequences assigned
23 (76.7%) exact matches, in which:
23 unique CDR3
5 unique J



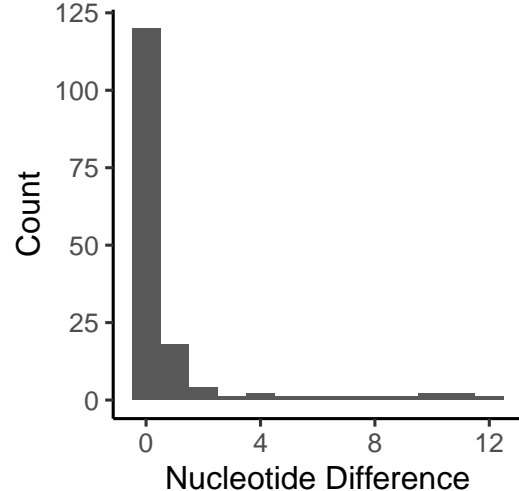
IGHV4-31*03

159 sequences assigned
134 (84.3%) exact matches, in which:
134 unique CDR3
6 unique J



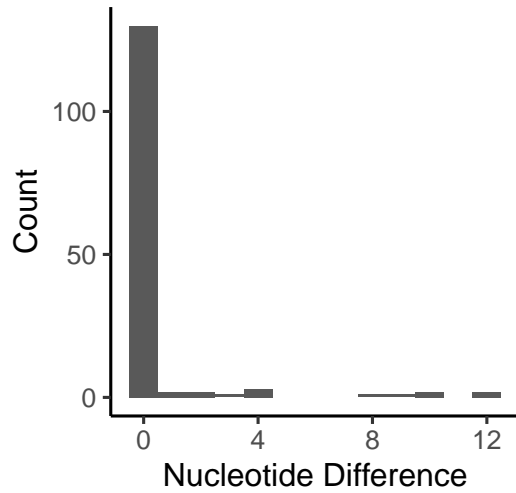
IGHV4-59*01

155 sequences assigned
120 (77.4%) exact matches, in which:
120 unique CDR3
5 unique J



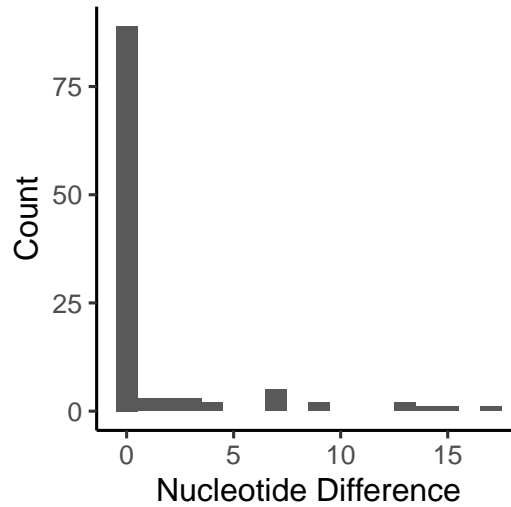
IGHV4-61*02

144 sequences assigned
130 (90.3%) exact matches, in which:
130 unique CDR3
6 unique J



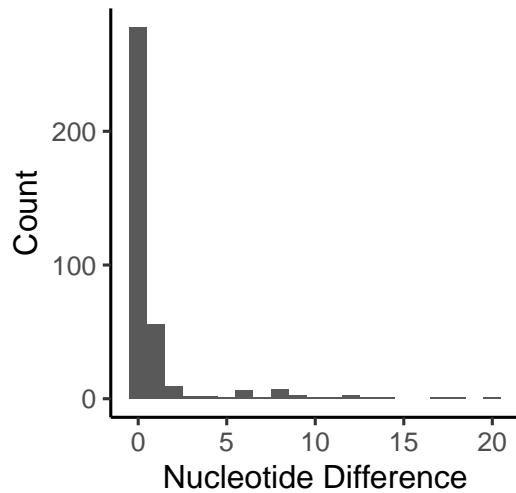
IGHV6-1*01

112 sequences assigned
89 (79.5%) exact matches, in which:
89 unique CDR3
5 unique J



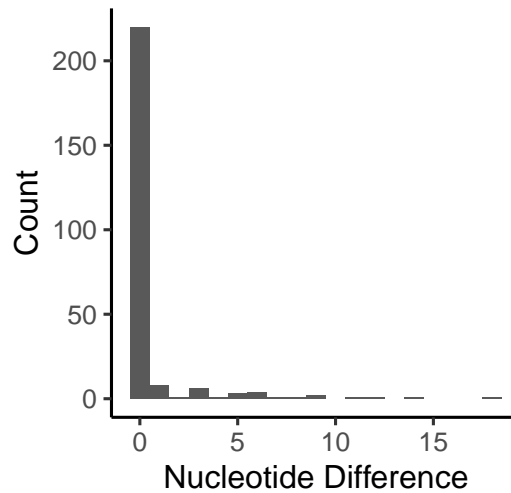
IGHV5-51*01

376 sequences assigned
278 (73.9%) exact matches, in which:
278 unique CDR3
6 unique J



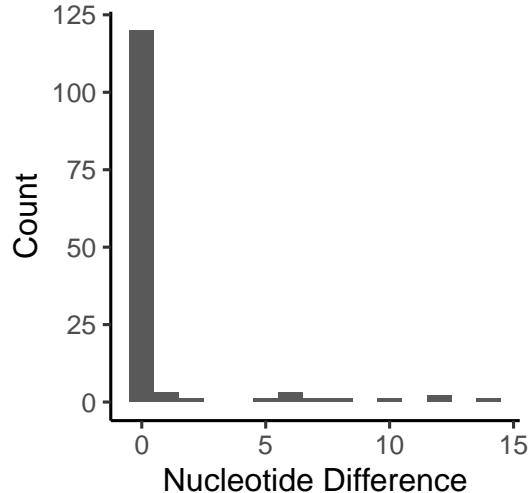
IGHV7-4-1*02

251 sequences assigned
220 (87.6%) exact matches, in which:
220 unique CDR3
6 unique J



IGHV5-51*03

134 sequences assigned
120 (89.6%) exact matches, in which:
120 unique CDR3
5 unique J





Warning – no inferred sequences found.