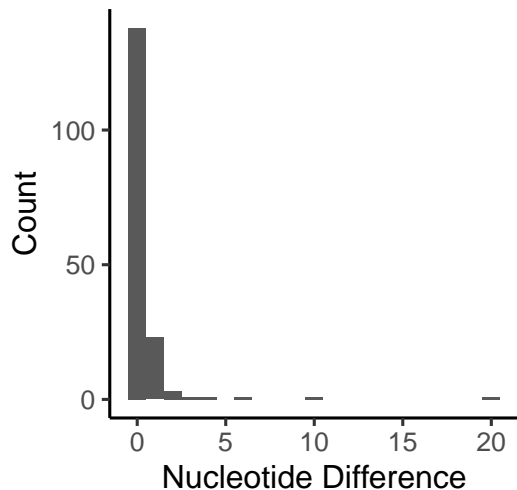


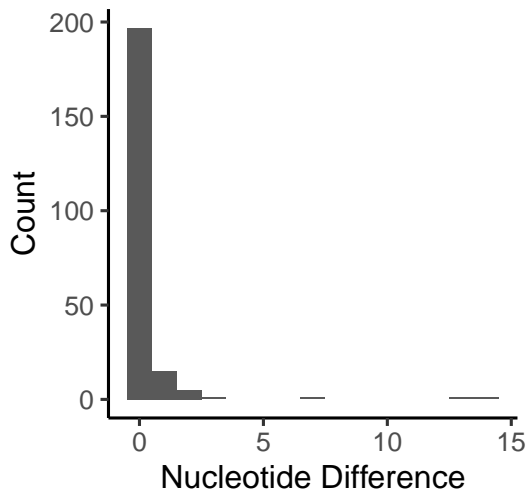
IGHV1-2*02

170 sequences assigned
138 (81.2%) exact matches, in which:
137 unique CDR3
6 unique J



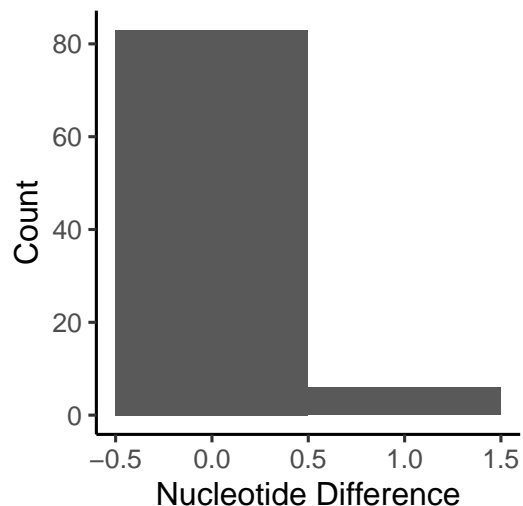
IGHV1-8*01

221 sequences assigned
197 (89.1%) exact matches, in which:
196 unique CDR3
6 unique J



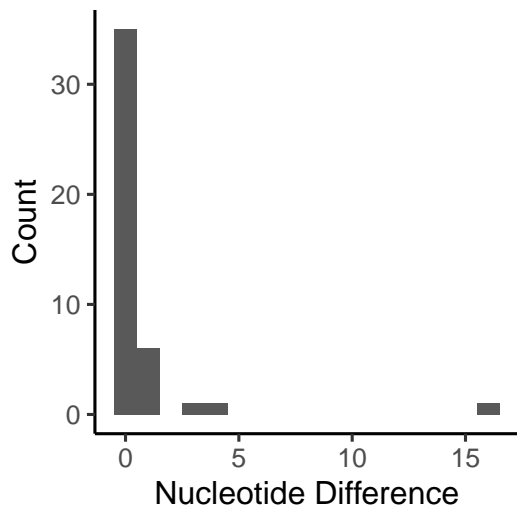
IGHV1-24*01

89 sequences assigned
83 (93.3%) exact matches, in which:
83 unique CDR3
5 unique J



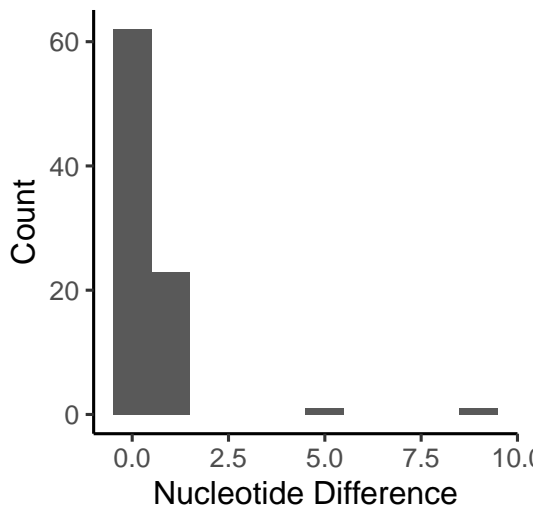
IGHV1-2*04

45 sequences assigned
35 (77.8%) exact matches, in which:
34 unique CDR3
5 unique J



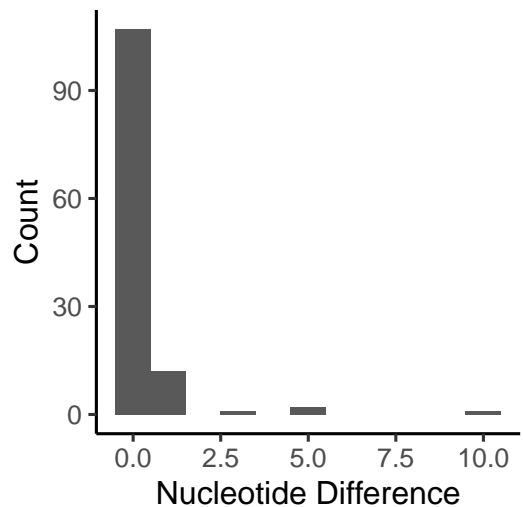
IGHV1-18*01

87 sequences assigned
62 (71.3%) exact matches, in which:
62 unique CDR3
5 unique J



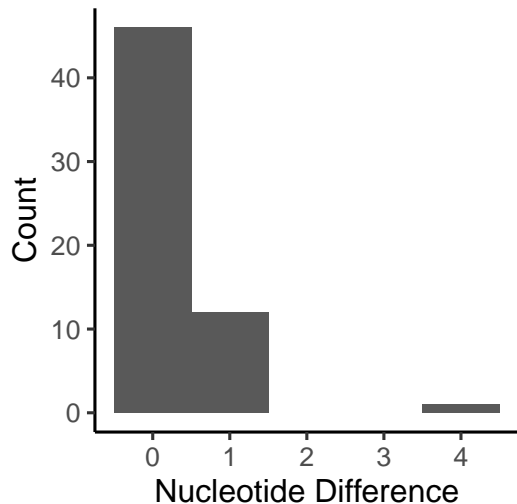
IGHV1-46*01

123 sequences assigned
107 (87%) exact matches, in which:
107 unique CDR3
6 unique J



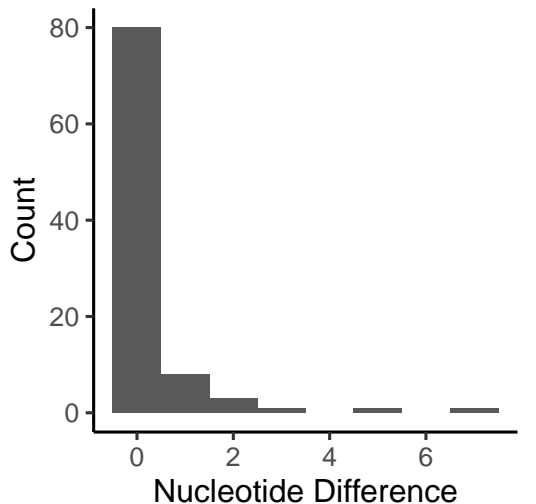
IGHV1-3*01

59 sequences assigned
46 (78%) exact matches, in which:
46 unique CDR3
5 unique J



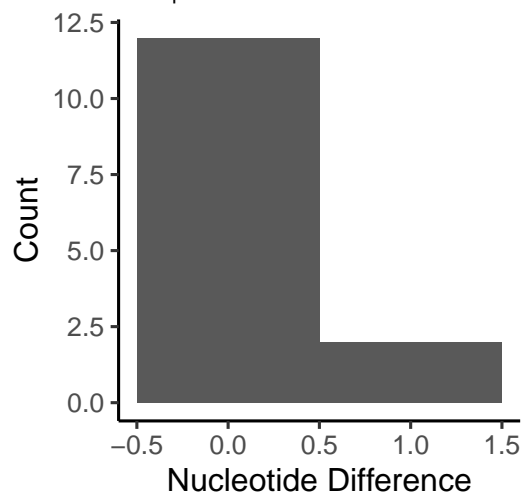
IGHV1-18*04

94 sequences assigned
80 (85.1%) exact matches, in which:
80 unique CDR3
5 unique J



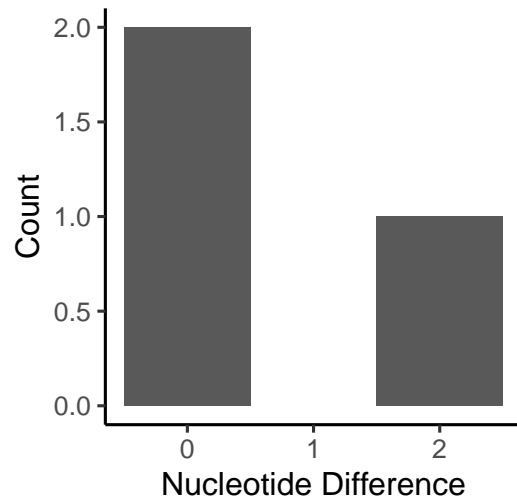
IGHV1-58*01

14 sequences assigned
12 (85.7%) exact matches, in which:
12 unique CDR3
5 unique J



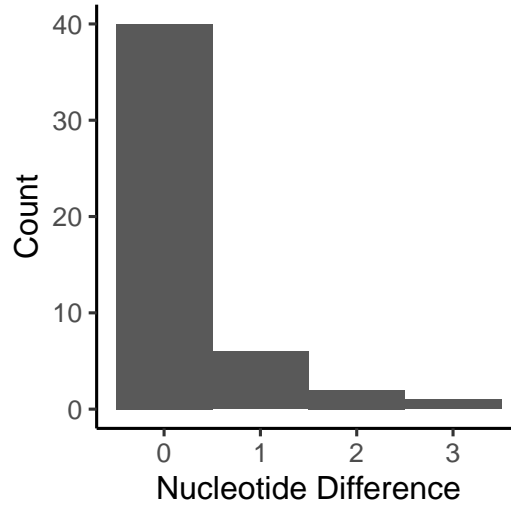
IGHV1-58*02

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



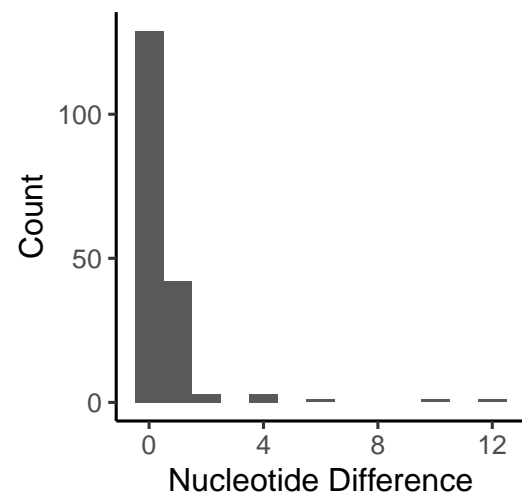
IGHV2-26*01

49 sequences assigned
40 (81.6%) exact matches, in which:
40 unique CDR3
5 unique J



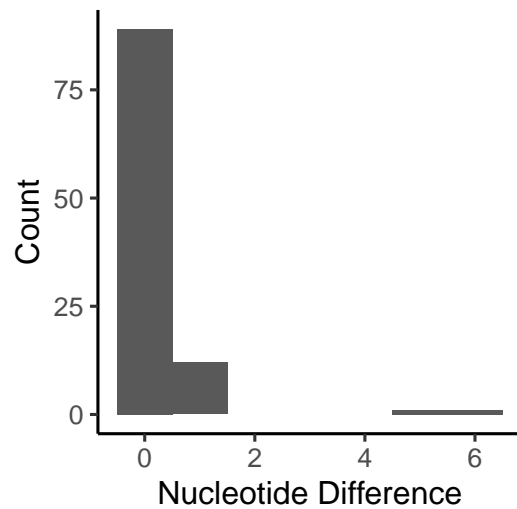
IGHV3-7*01

180 sequences assigned
129 (71.7%) exact matches, in which:
127 unique CDR3
6 unique J



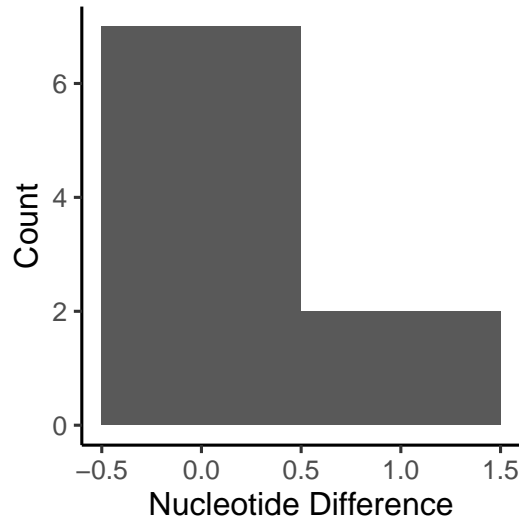
IGHV1-69*02

103 sequences assigned
89 (86.4%) exact matches, in which:
89 unique CDR3
6 unique J



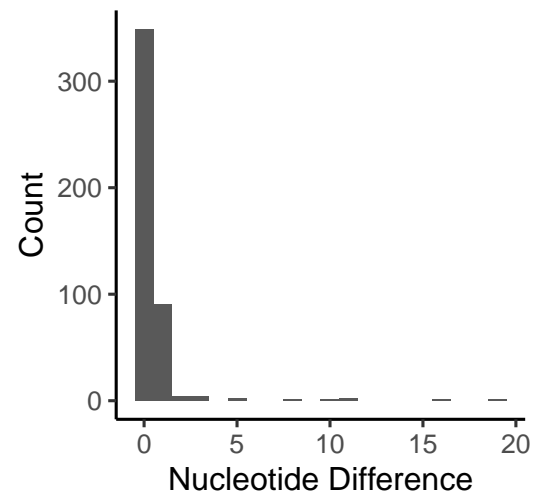
IGHV2-70*01

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



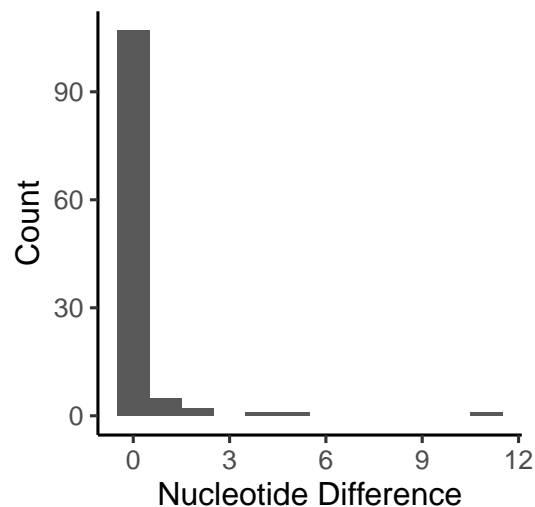
IGHV3-9*01

456 sequences assigned
349 (76.5%) exact matches, in which:
345 unique CDR3
6 unique J



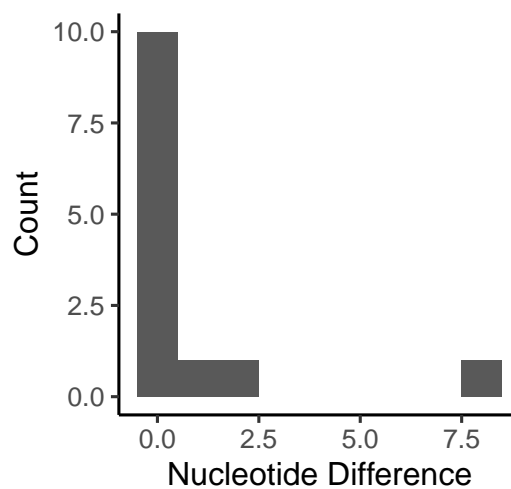
IGHV2-5*02

117 sequences assigned
107 (91.5%) exact matches, in which:
106 unique CDR3
5 unique J



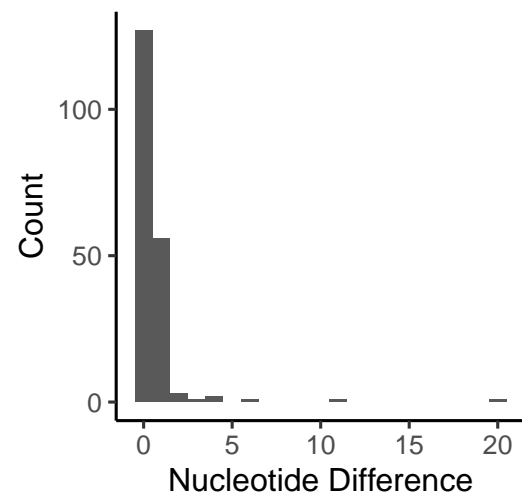
IGHV2-70*15

13 sequences assigned
10 (76.9%) exact matches, in which:
9 unique CDR3
3 unique J



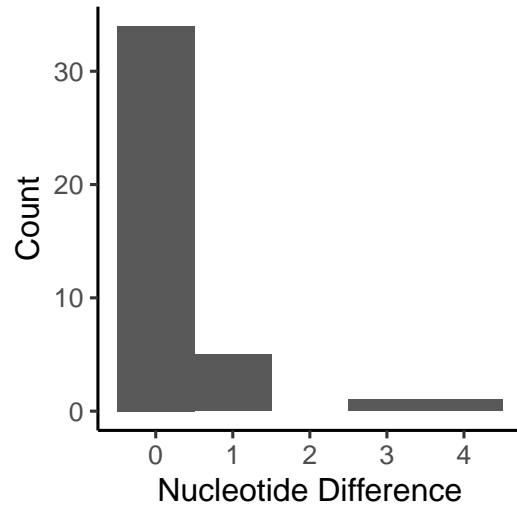
IGHV3-11*01

192 sequences assigned
127 (66.1%) exact matches, in which:
122 unique CDR3
6 unique J



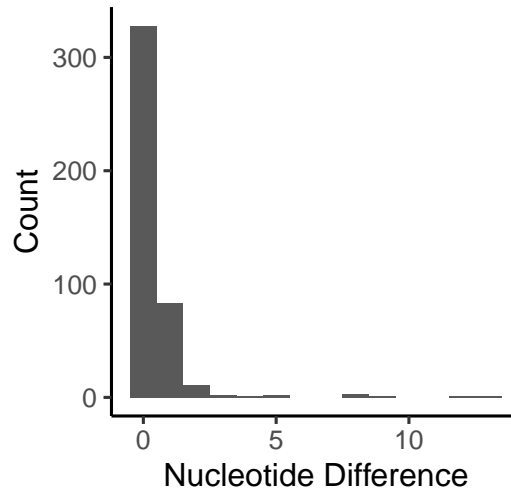
IGHV3-13*01

41 sequences assigned
34 (82.9%) exact matches, in which:
33 unique CDR3
5 unique J



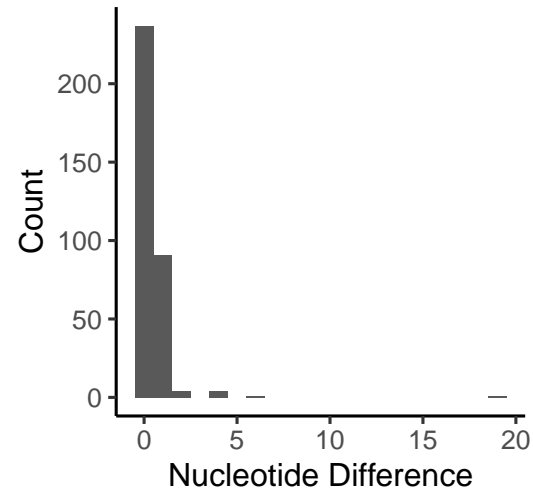
IGHV3-21*01

434 sequences assigned
328 (75.6%) exact matches, in which:
323 unique CDR3
6 unique J



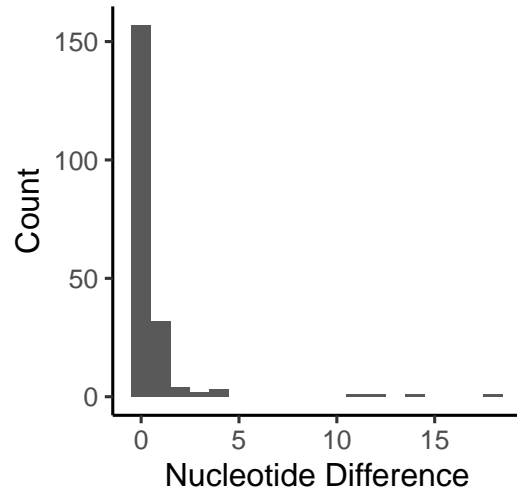
IGHV3-33*01

338 sequences assigned
237 (70.1%) exact matches, in which:
230 unique CDR3
6 unique J



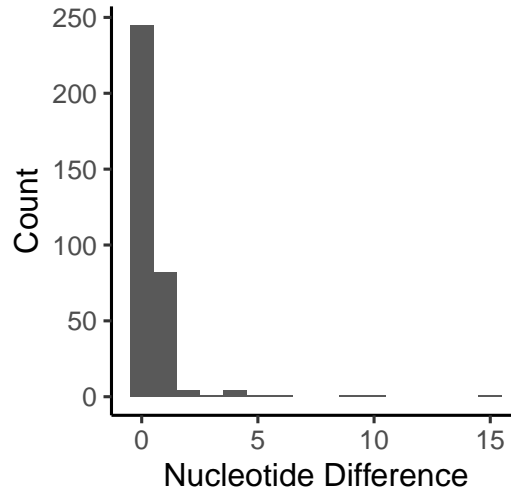
IGHV3-15*01

202 sequences assigned
157 (77.7%) exact matches, in which:
155 unique CDR3
6 unique J



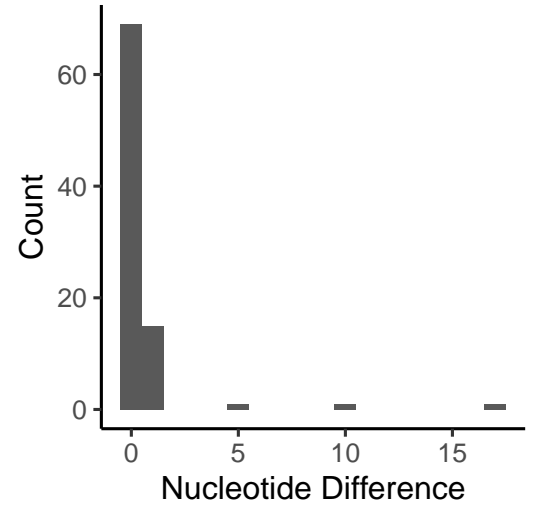
IGHV3-23*04

343 sequences assigned
245 (71.4%) exact matches, in which:
243 unique CDR3
6 unique J



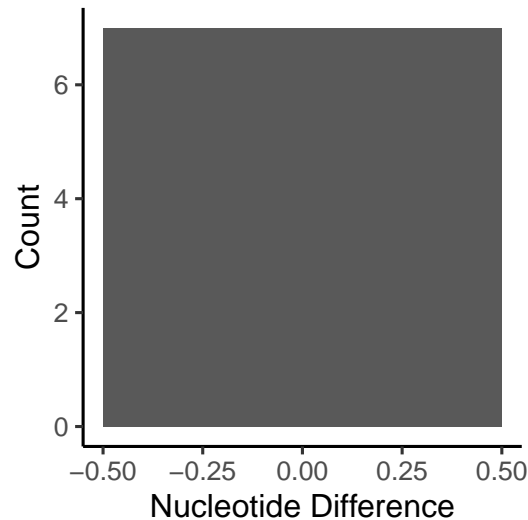
IGHV3-48*02

87 sequences assigned
69 (79.3%) exact matches, in which:
68 unique CDR3
4 unique J



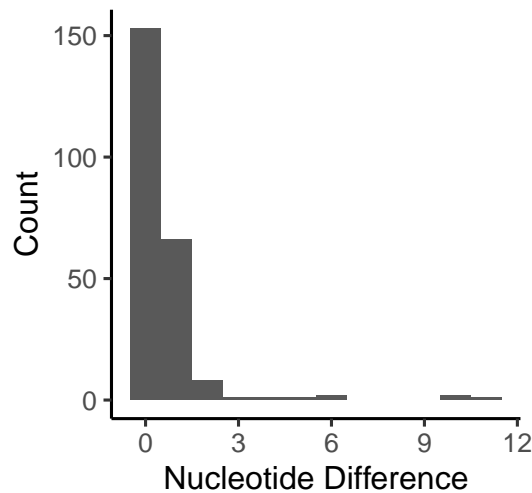
IGHV3-20*01

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
4 unique J



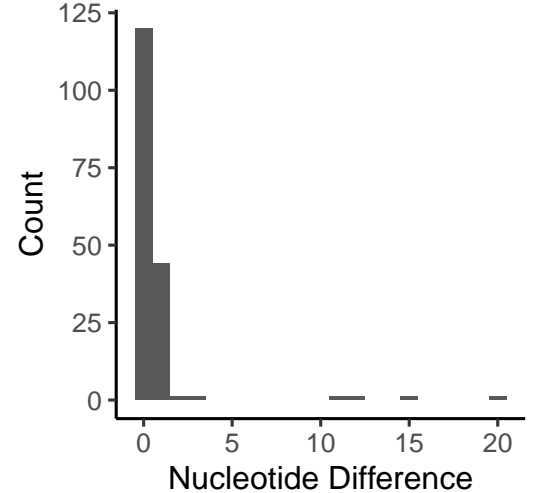
IGHV3-30-3*01

235 sequences assigned
153 (65.1%) exact matches, in which:
152 unique CDR3
6 unique J



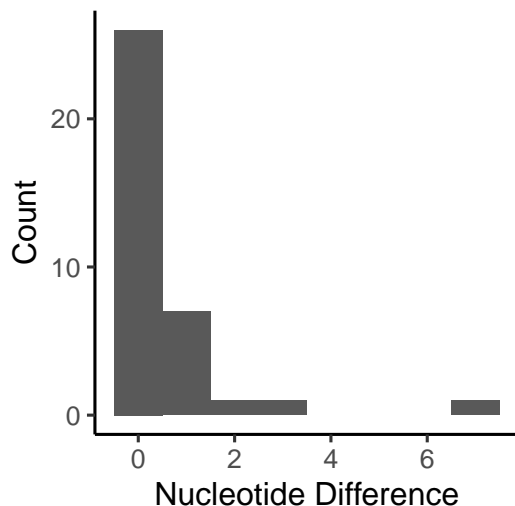
IGHV3-48*03

170 sequences assigned
120 (70.6%) exact matches, in which:
120 unique CDR3
6 unique J



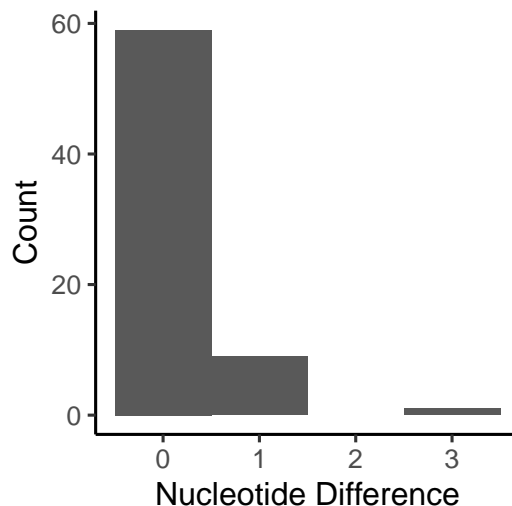
IGHV3-49*04

36 sequences assigned
26 (72.2%) exact matches, in which:
26 unique CDR3
4 unique J



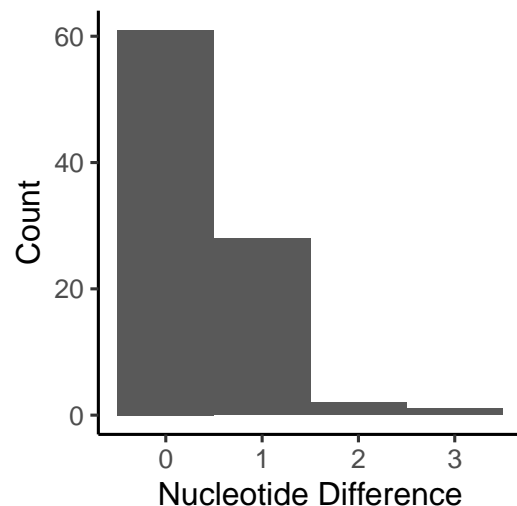
IGHV3-53*01

69 sequences assigned
59 (85.5%) exact matches, in which:
59 unique CDR3
5 unique J



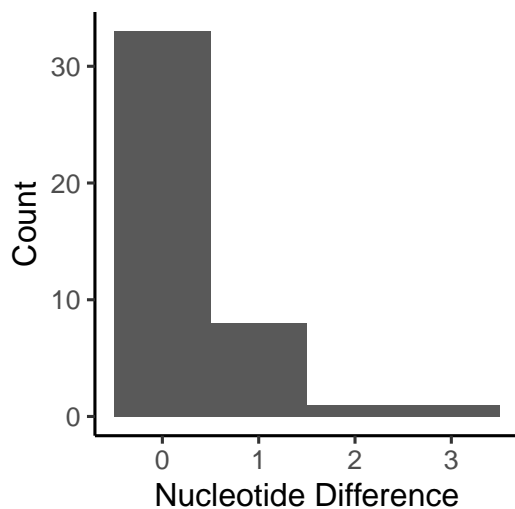
IGHV3-66*01

92 sequences assigned
61 (66.3%) exact matches, in which:
61 unique CDR3
5 unique J



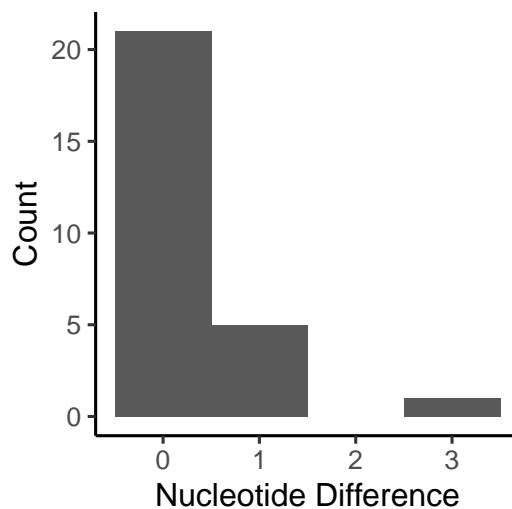
IGHV3-49*05

43 sequences assigned
33 (76.7%) exact matches, in which:
29 unique CDR3
4 unique J



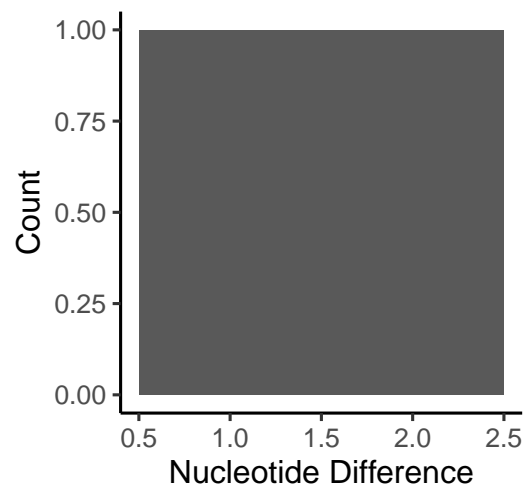
IGHV3-53*02

27 sequences assigned
21 (77.8%) exact matches, in which:
21 unique CDR3
5 unique J



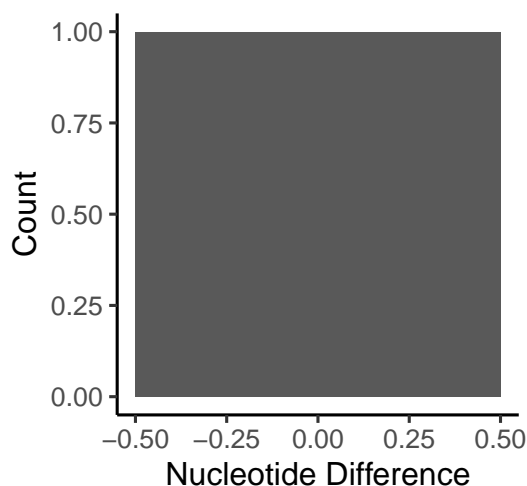
IGHV3-69-1*02

2 sequences assigned
No exact matches.



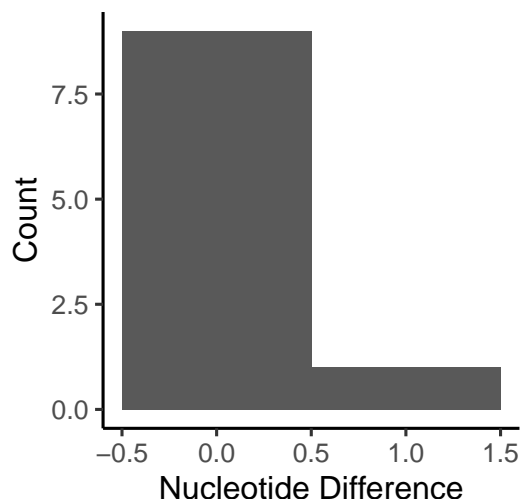
IGHV3-52*01

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



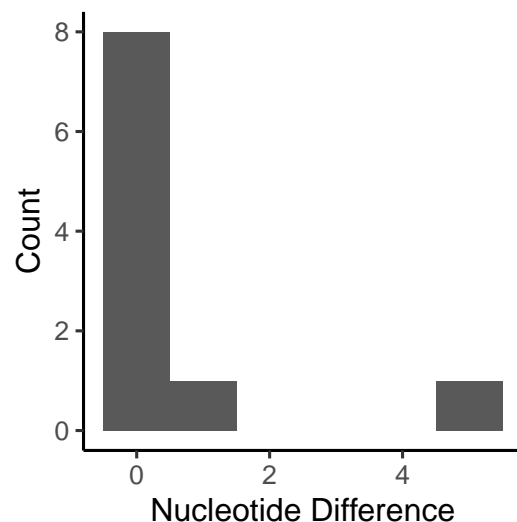
IGHV3-64*01

10 sequences assigned
9 (90%) exact matches, in which:
8 unique CDR3
4 unique J



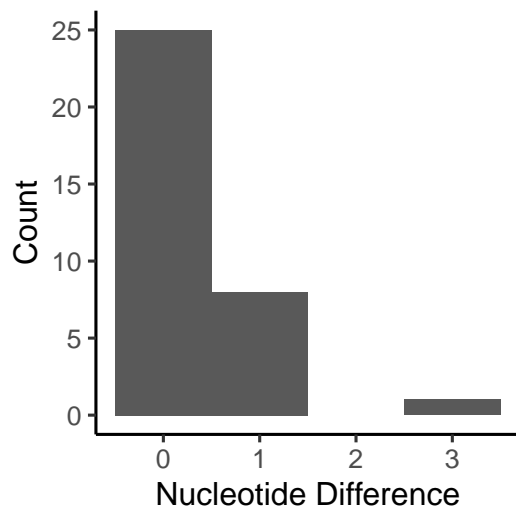
IGHV3-72*01

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
3 unique J



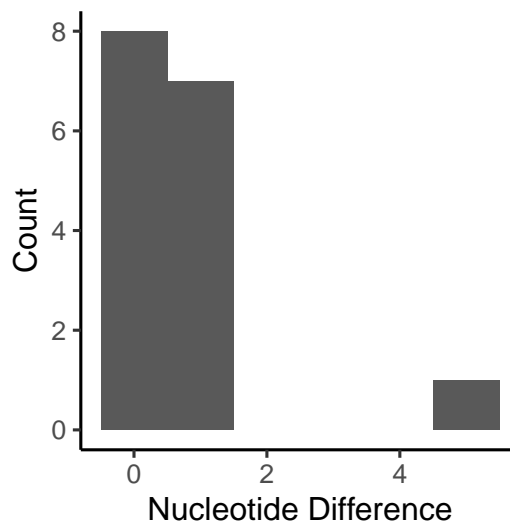
IGHV3-73*01

34 sequences assigned
25 (73.5%) exact matches, in which:
25 unique CDR3
4 unique J



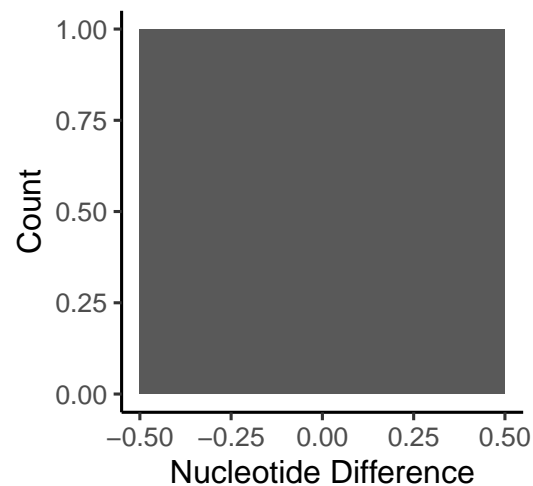
IGHV3-43D*04

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



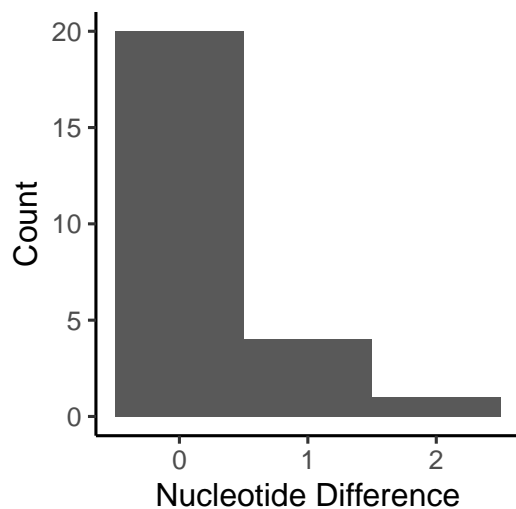
IGHV4-28*01

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



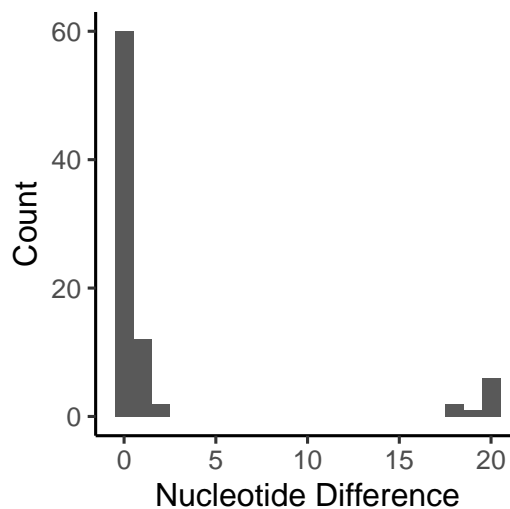
IGHV3-73*02

25 sequences assigned
20 (80%) exact matches, in which:
20 unique CDR3
5 unique J



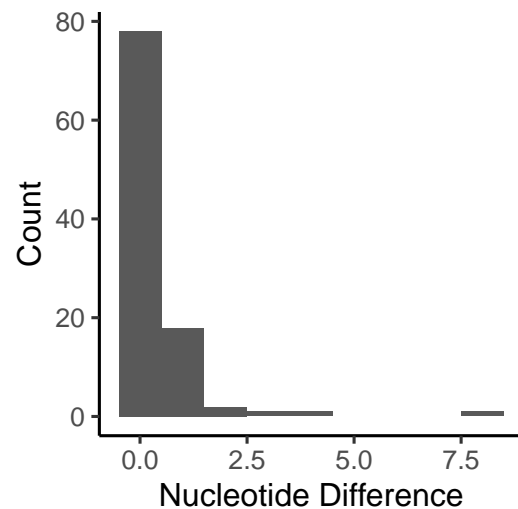
IGHV4-4*02

83 sequences assigned
60 (72.3%) exact matches, in which:
58 unique CDR3
5 unique J



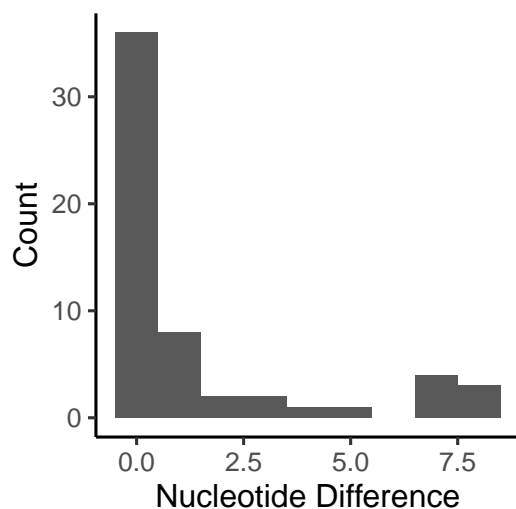
IGHV4-30-4*01

101 sequences assigned
78 (77.2%) exact matches, in which:
76 unique CDR3
4 unique J



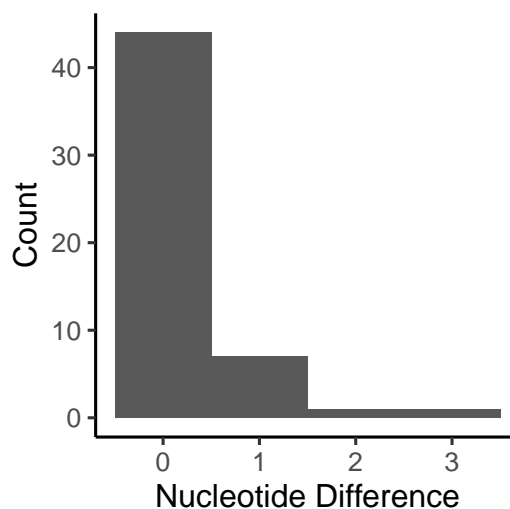
IGHV3-74*01

57 sequences assigned
36 (63.2%) exact matches, in which:
36 unique CDR3
5 unique J



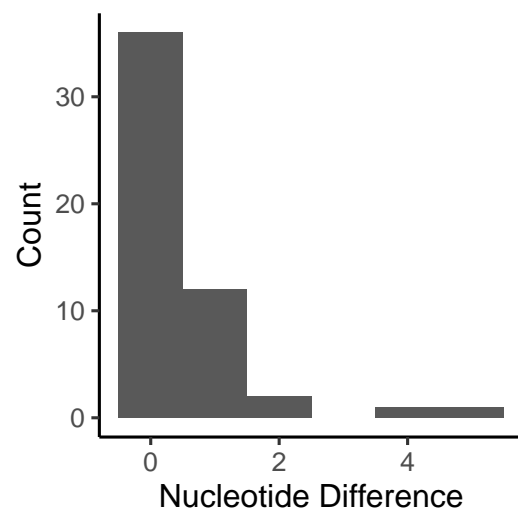
IGHV4-4*07

53 sequences assigned
44 (83%) exact matches, in which:
44 unique CDR3
6 unique J



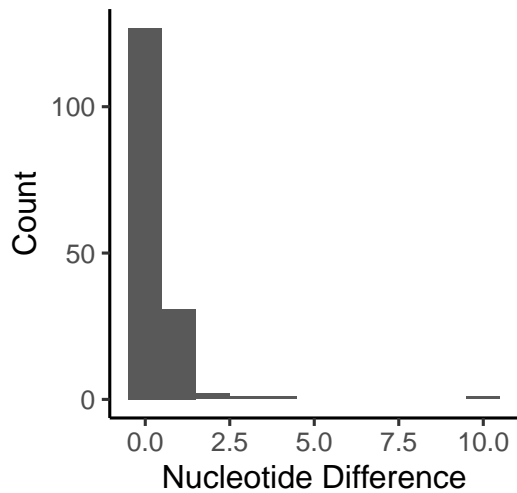
IGHV4-30-2*01

52 sequences assigned
36 (69.2%) exact matches, in which:
36 unique CDR3
5 unique J



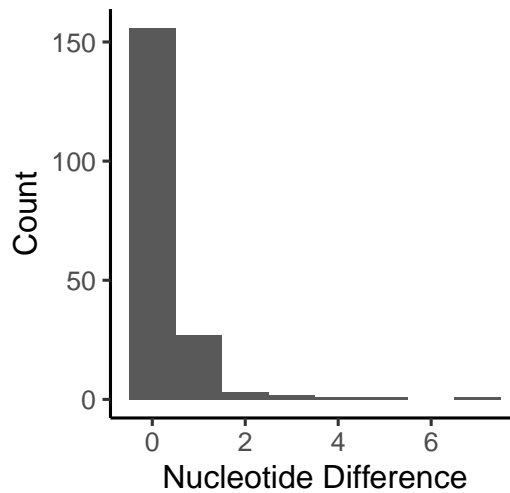
IGHV4–31*03

163 sequences assigned
127 (77.9%) exact matches, in which:
127 unique CDR3
5 unique J



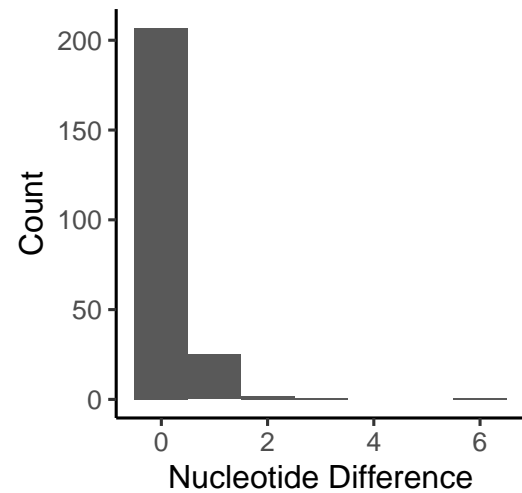
IGHV4–59*01

191 sequences assigned
156 (81.7%) exact matches, in which:
154 unique CDR3
6 unique J



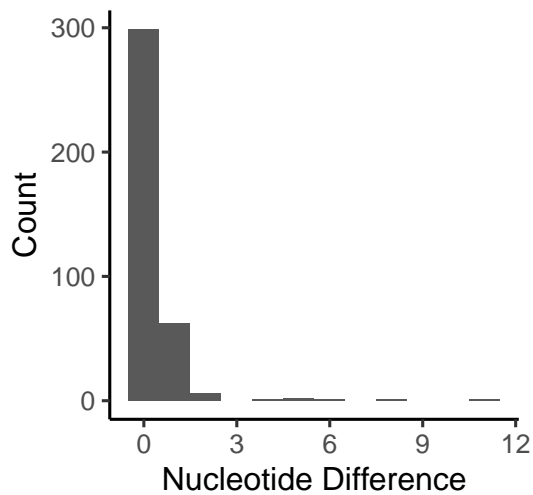
IGHV5–51*01

236 sequences assigned
207 (87.7%) exact matches, in which:
201 unique CDR3
6 unique J



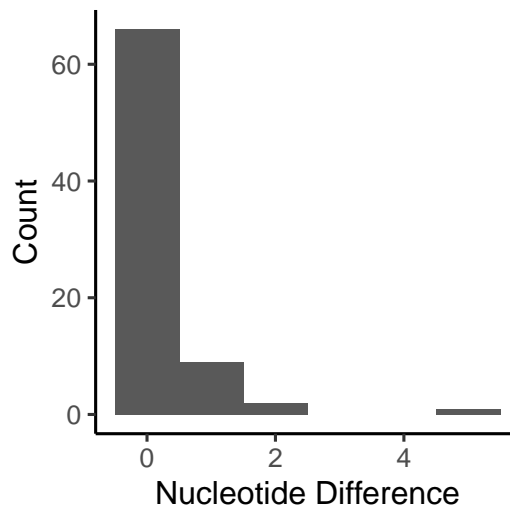
IGHV4–34*01

374 sequences assigned
299 (79.9%) exact matches, in which:
297 unique CDR3
6 unique J



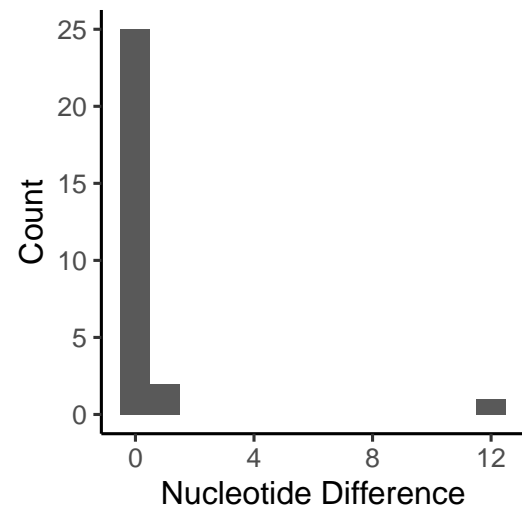
IGHV4–59*08

79 sequences assigned
66 (83.5%) exact matches, in which:
64 unique CDR3
6 unique J



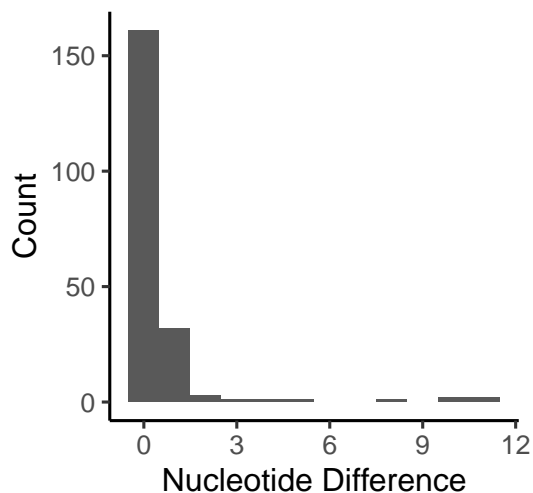
IGHV6–1*01

28 sequences assigned
25 (89.3%) exact matches, in which:
24 unique CDR3
4 unique J



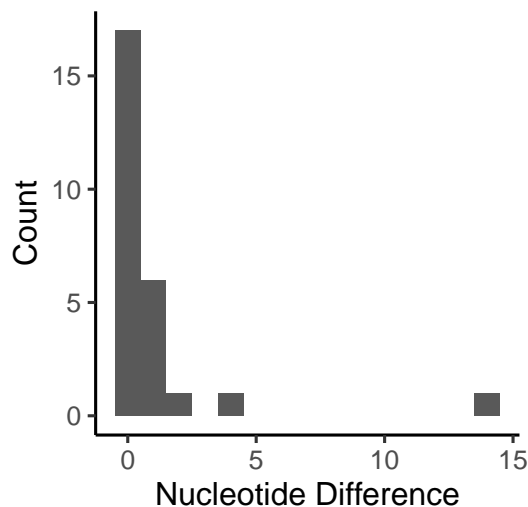
IGHV4–38–2*02_A70G

204 sequences assigned
161 (78.9%) exact matches, in which:
161 unique CDR3
6 unique J



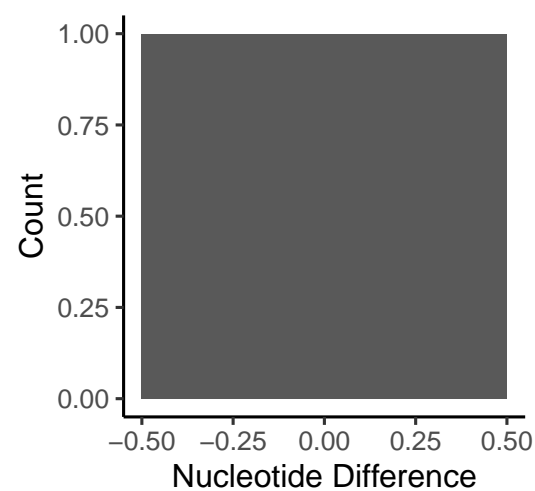
IGHV4–61*01

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



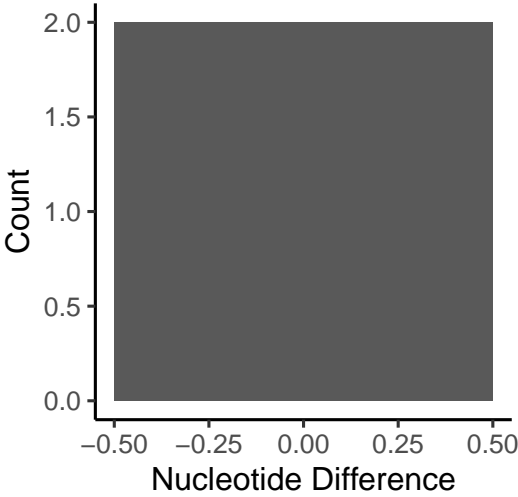
IGHV3/OR16–12*01

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



IGHV7-4-1*01

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





Warning – no inferred sequences found.