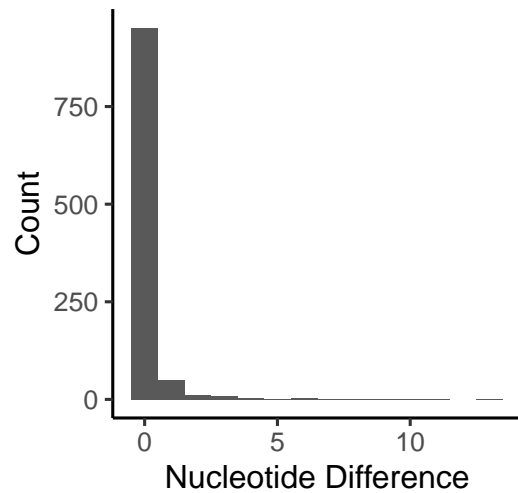


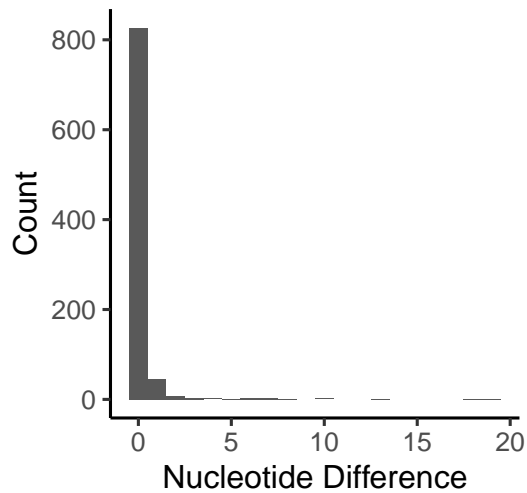
IGHV1-2*02

1038 sequences assigned
952 (91.7%) exact matches, in which:
950 unique CDR3
6 unique J



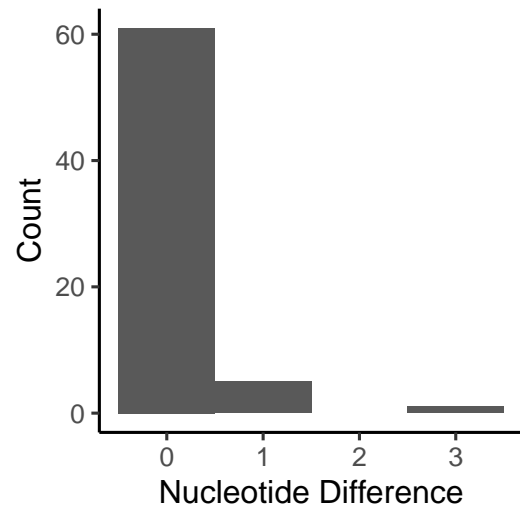
IGHV1-18*01

899 sequences assigned
827 (92%) exact matches, in which:
826 unique CDR3
6 unique J



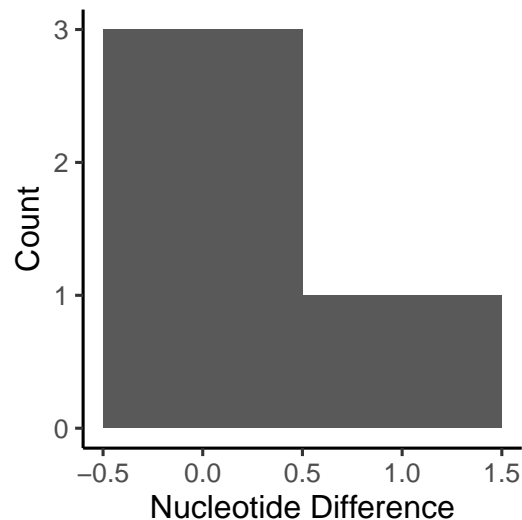
IGHV1-46*01

67 sequences assigned
61 (91%) exact matches, in which:
61 unique CDR3
5 unique J



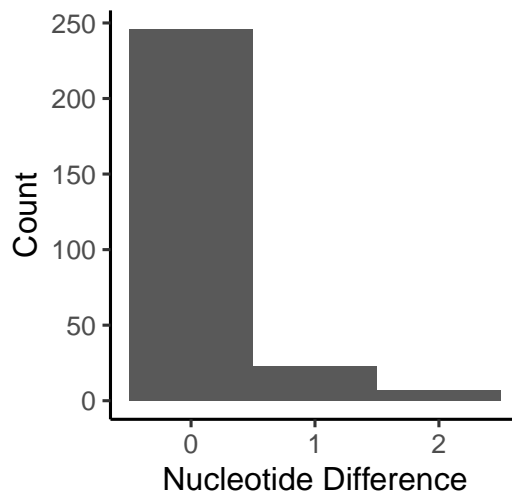
IGHV1-3*02

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
2 unique J



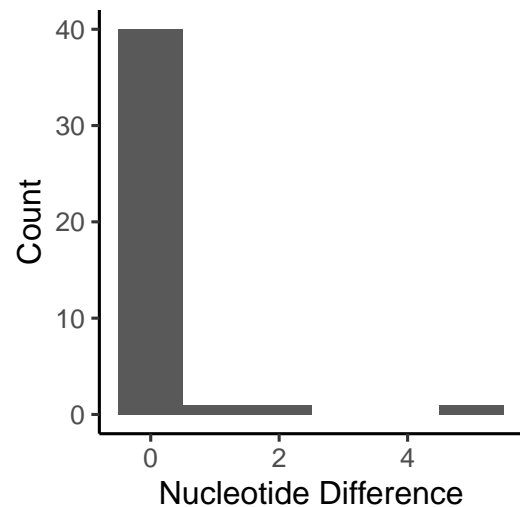
IGHV1-24*01

276 sequences assigned
246 (89.1%) exact matches, in which:
245 unique CDR3
6 unique J



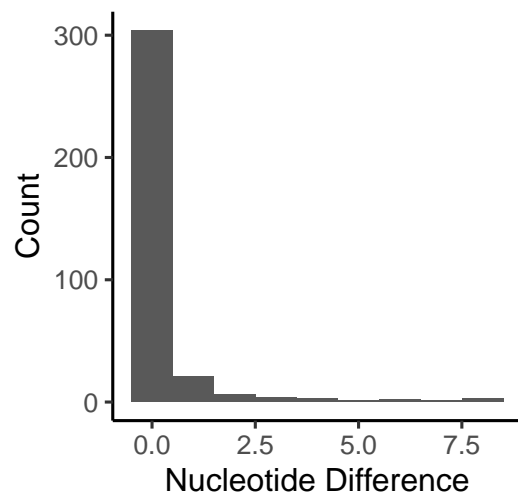
IGHV1-46*03

43 sequences assigned
40 (93%) exact matches, in which:
40 unique CDR3
6 unique J



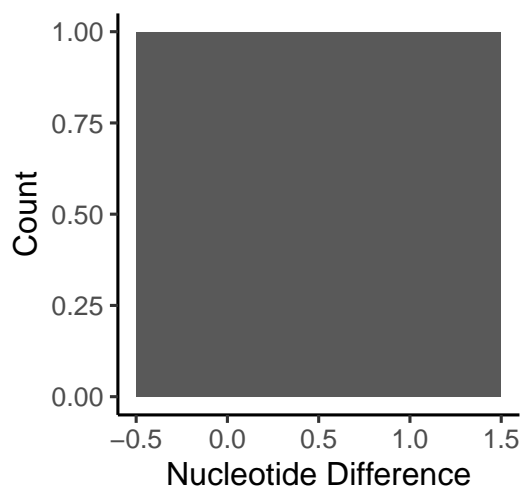
IGHV1-8*01

345 sequences assigned
304 (88.1%) exact matches, in which:
304 unique CDR3
6 unique J



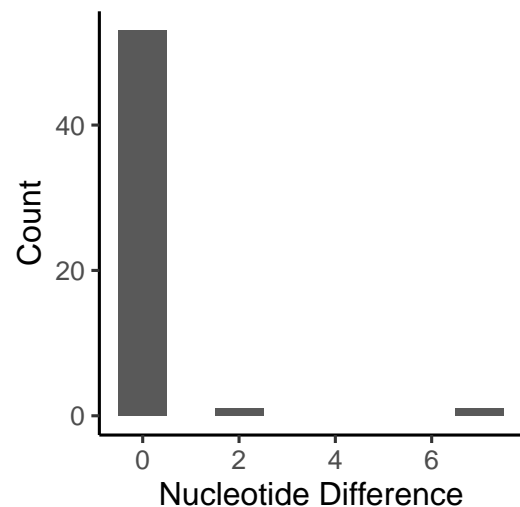
IGHV1-45*02

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



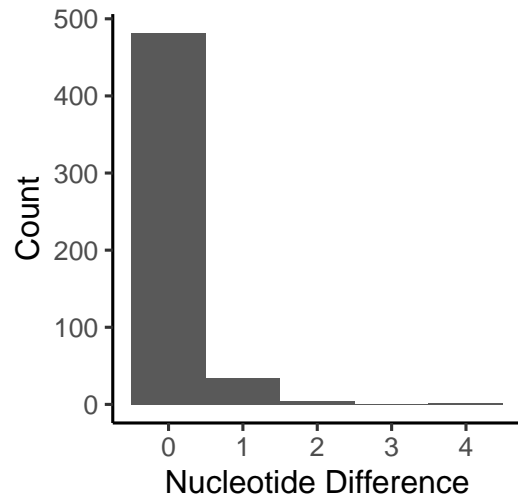
IGHV1-58*01

55 sequences assigned
53 (96.4%) exact matches, in which:
53 unique CDR3
5 unique J



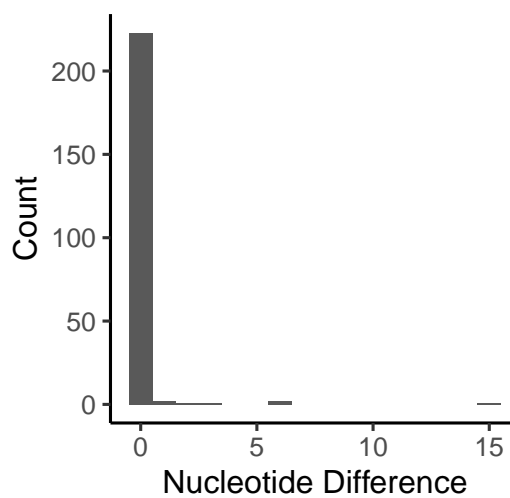
IGHV1–69*04

524 sequences assigned
482 (92%) exact matches, in which:
482 unique CDR3
6 unique J



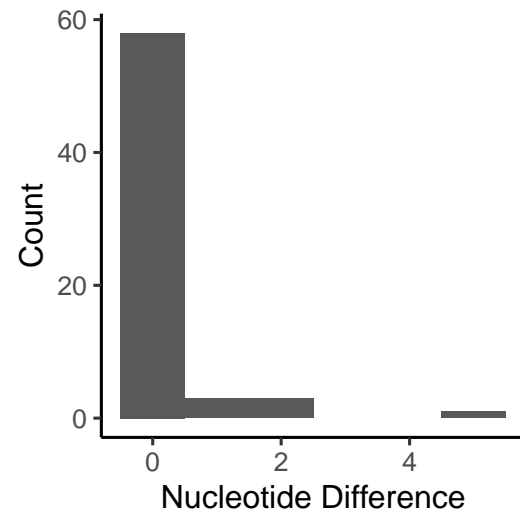
IGHV2–5*02

230 sequences assigned
223 (97%) exact matches, in which:
223 unique CDR3
6 unique J



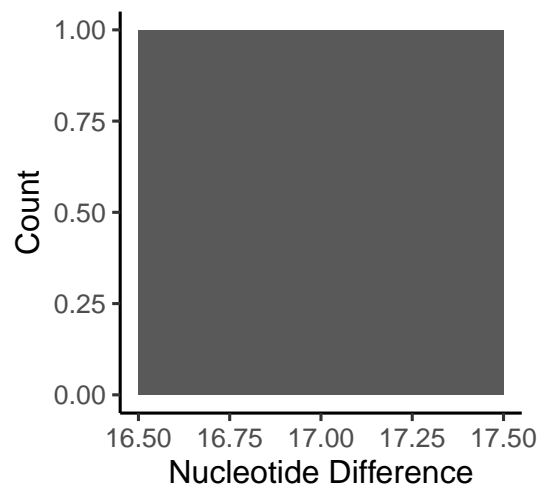
IGHV2–70*15

65 sequences assigned
58 (89.2%) exact matches, in which:
58 unique CDR3
6 unique J



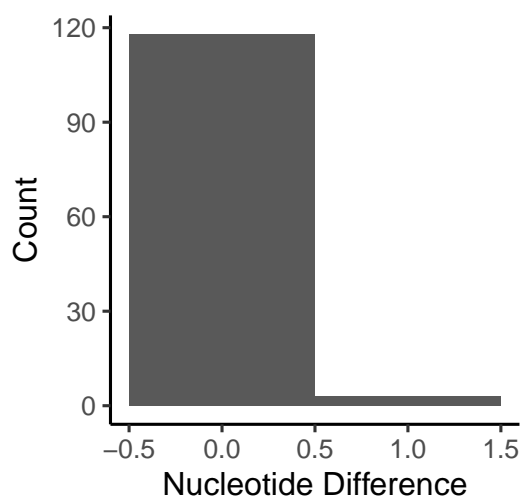
IGHV1–NL1*01

1 sequences assigned
No exact matches.



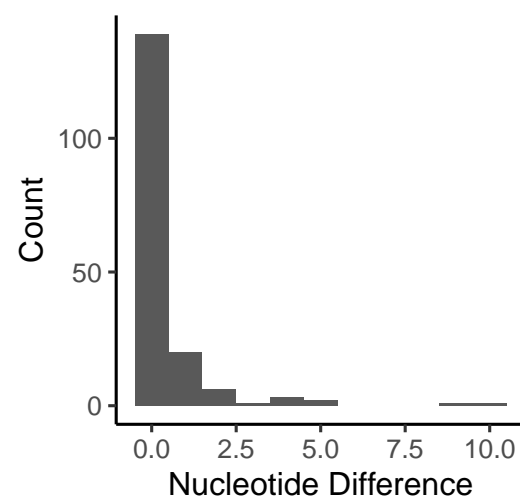
IGHV2–26*01

121 sequences assigned
118 (97.5%) exact matches, in which:
118 unique CDR3
5 unique J



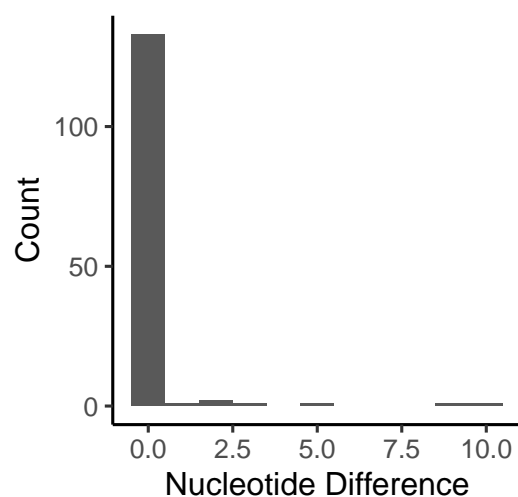
IGHV3–7*01

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



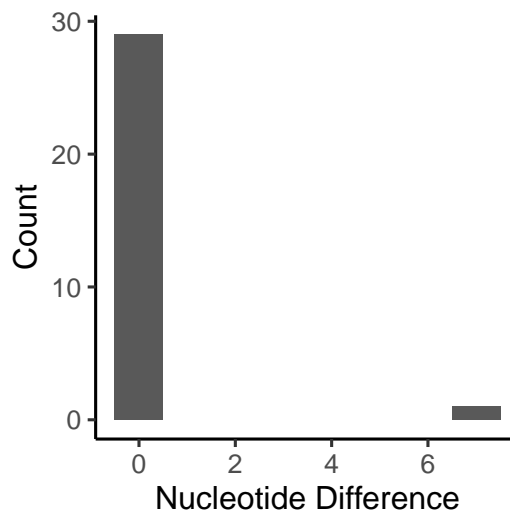
IGHV2–5*01

140 sequences assigned
133 (95%) exact matches, in which:
133 unique CDR3
6 unique J



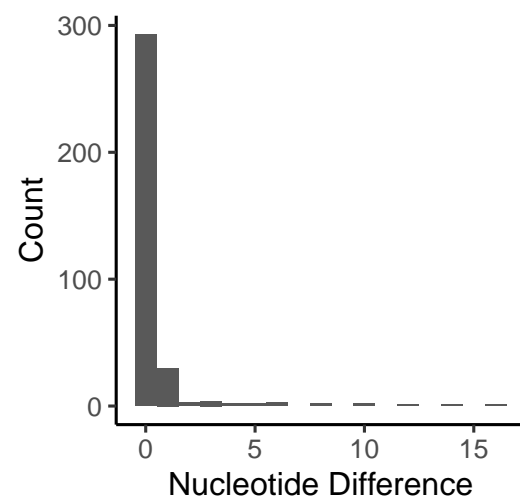
IGHV2–70*01

30 sequences assigned
29 (96.7%) exact matches, in which:
29 unique CDR3
5 unique J



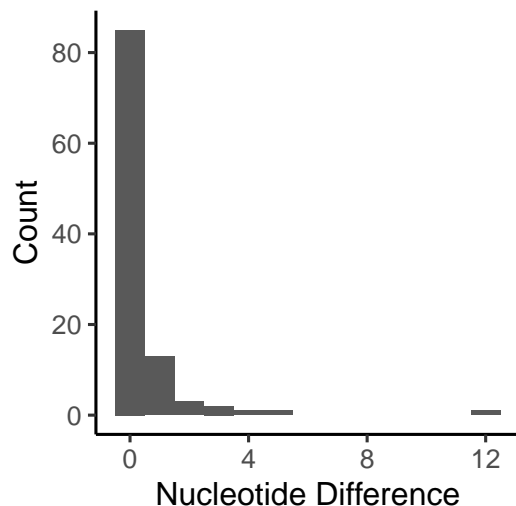
IGHV3–9*01

344 sequences assigned
293 (85.2%) exact matches, in which:
293 unique CDR3
6 unique J



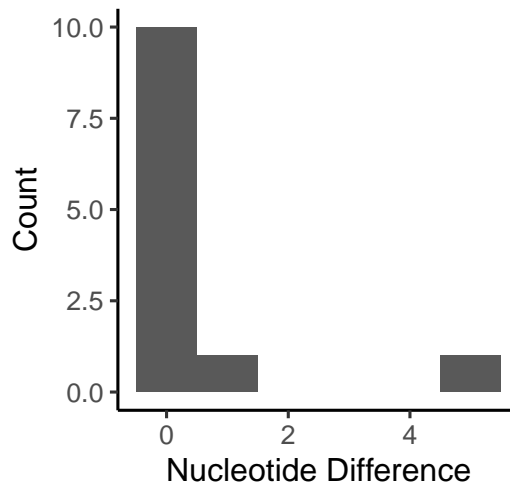
IGHV3-11*01

106 sequences assigned
85 (80.2%) exact matches, in which:
85 unique CDR3
5 unique J



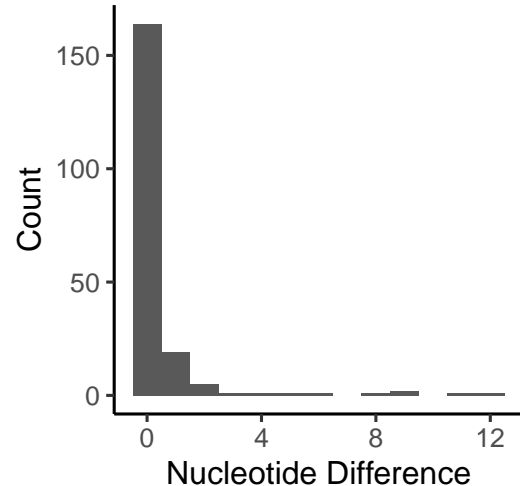
IGHV3-20*01

12 sequences assigned
10 (83.3%) exact matches, in which:
10 unique CDR3
4 unique J



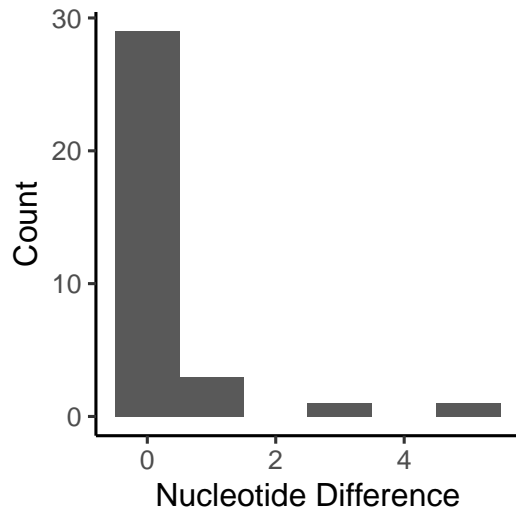
IGHV3-30*01

197 sequences assigned
164 (83.2%) exact matches, in which:
164 unique CDR3
6 unique J



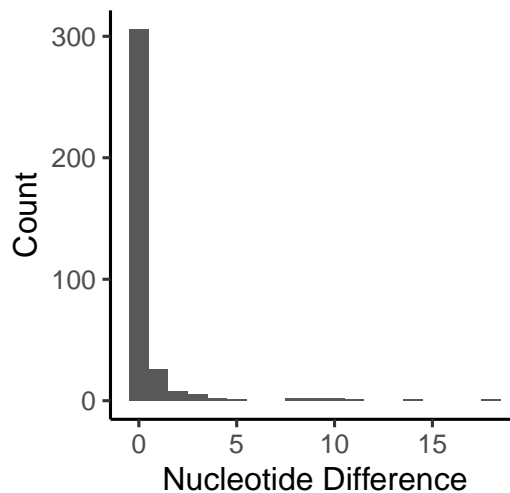
IGHV3-13*01

34 sequences assigned
29 (85.3%) exact matches, in which:
29 unique CDR3
5 unique J



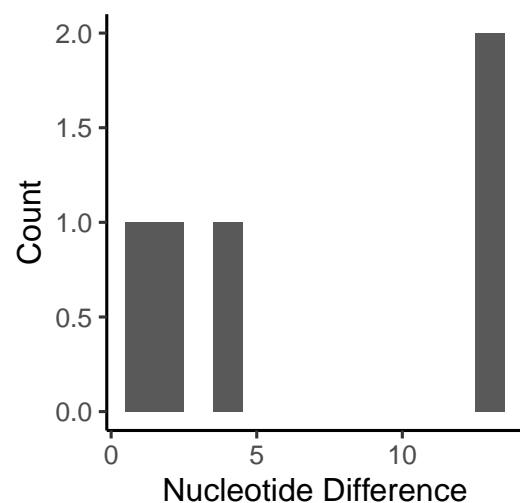
IGHV3-21*01

357 sequences assigned
306 (85.7%) exact matches, in which:
305 unique CDR3
6 unique J



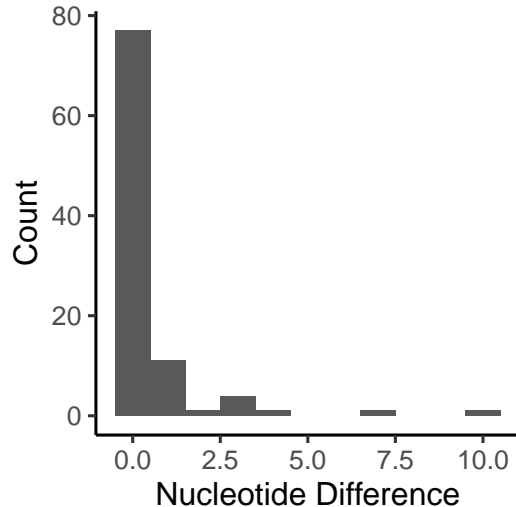
IGHV3-30-3*03

5 sequences assigned
No exact matches.



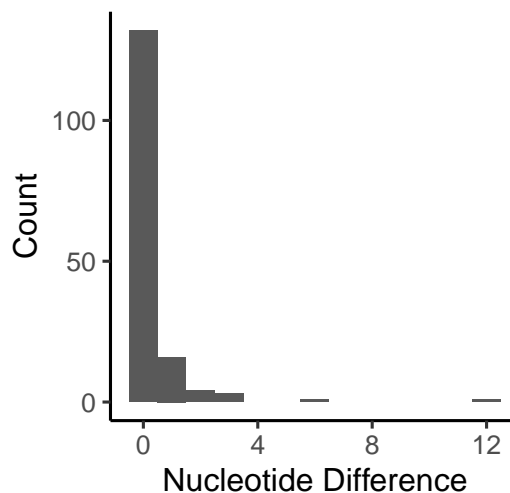
IGHV3-15*01

96 sequences assigned
77 (80.2%) exact matches, in which:
77 unique CDR3
6 unique J



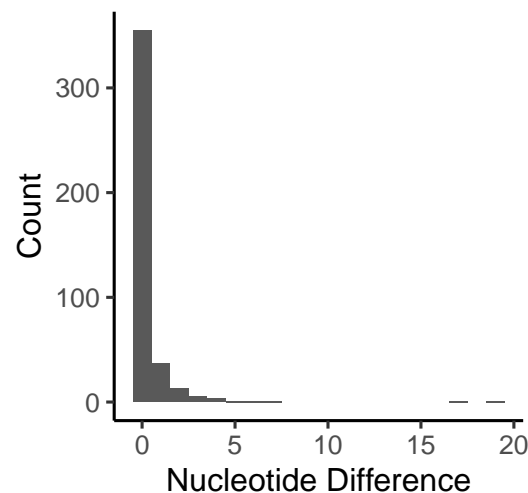
IGHV3-23*04

157 sequences assigned
132 (84.1%) exact matches, in which:
132 unique CDR3
5 unique J



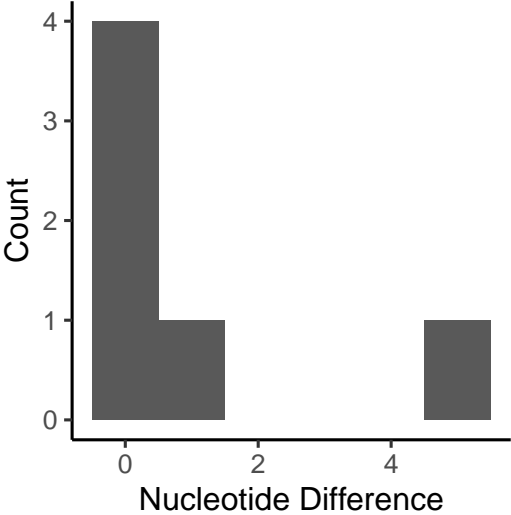
IGHV3-33*01

419 sequences assigned
355 (84.7%) exact matches, in which:
355 unique CDR3
6 unique J



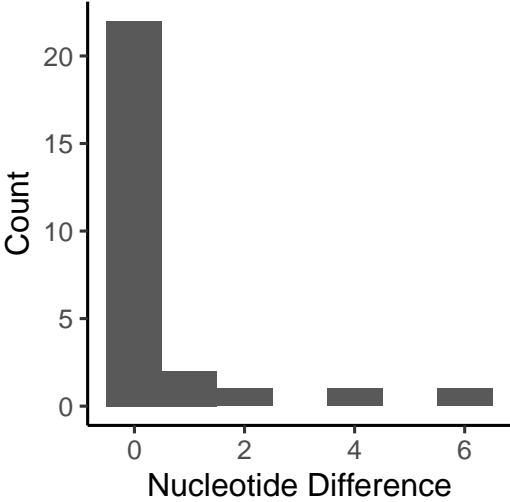
IGHV3-43*01

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



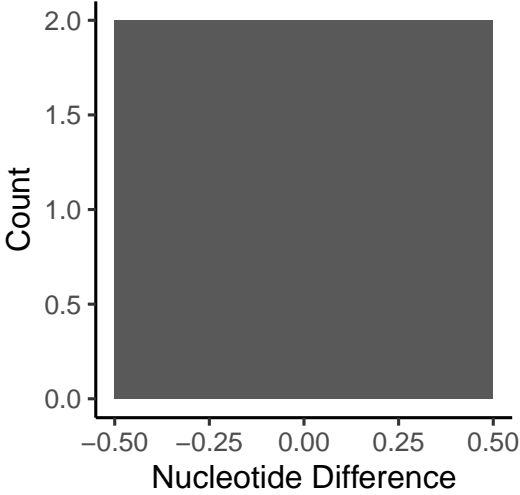
IGHV3-49*03

27 sequences assigned
22 (81.5%) exact matches, in which:
22 unique CDR3
4 unique J



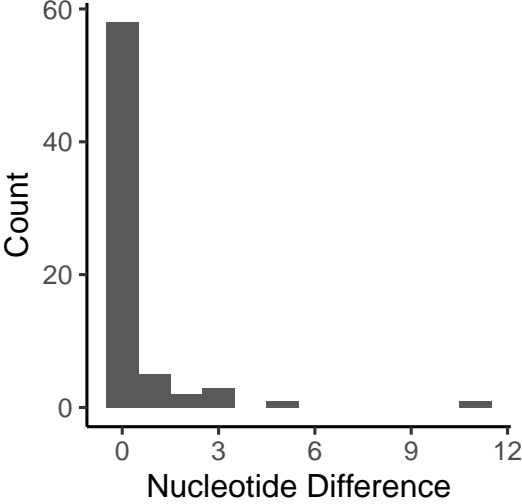
IGHV3-64*02

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



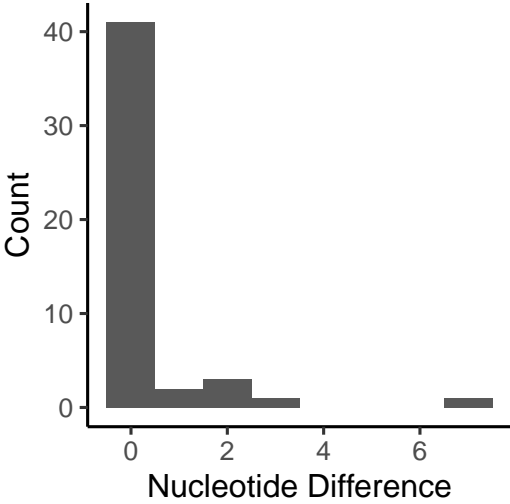
IGHV3-48*01

70 sequences assigned
58 (82.9%) exact matches, in which:
58 unique CDR3
5 unique J



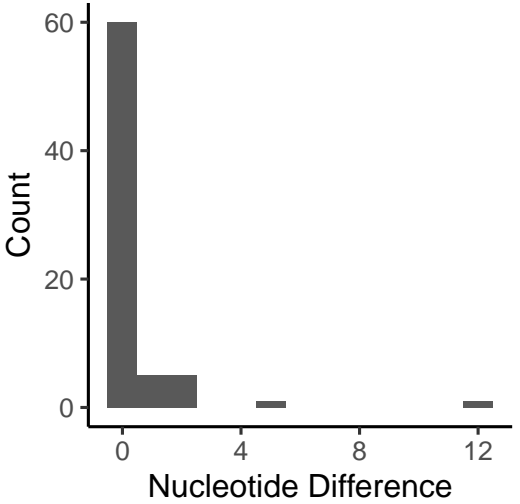
IGHV3-49*04

48 sequences assigned
41 (85.4%) exact matches, in which:
41 unique CDR3
5 unique J



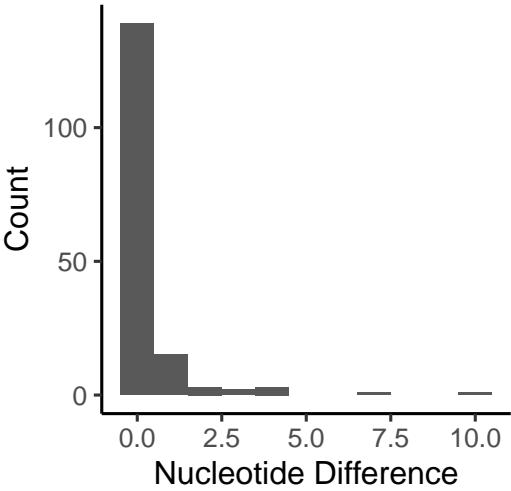
IGHV3-66*01

72 sequences assigned
60 (83.3%) exact matches, in which:
60 unique CDR3
5 unique J



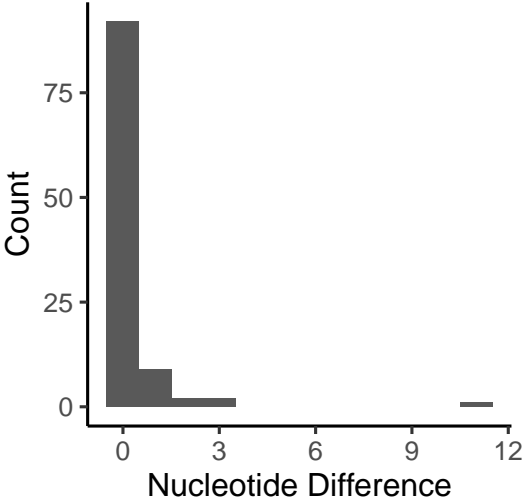
IGHV3-48*03

164 sequences assigned
139 (84.8%) exact matches, in which:
139 unique CDR3
5 unique J



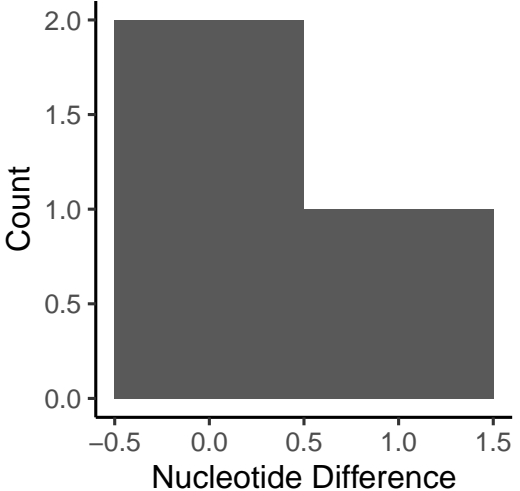
IGHV3-53*02

107 sequences assigned
92 (86%) exact matches, in which:
92 unique CDR3
5 unique J



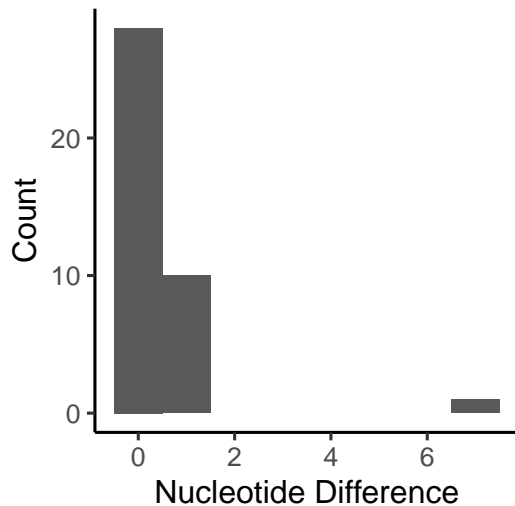
IGHV3-72*01

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



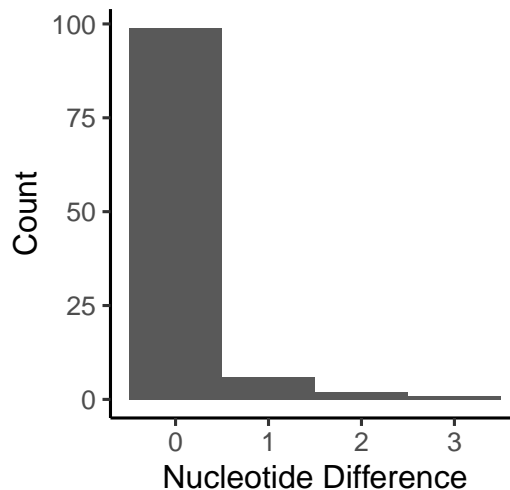
IGHV3-73*02

39 sequences assigned
28 (71.8%) exact matches, in which:
28 unique CDR3
5 unique J



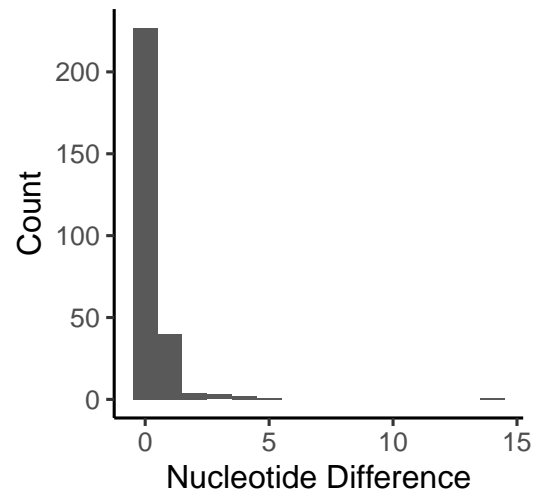
IGHV4-4*07

108 sequences assigned
99 (91.7%) exact matches, in which:
99 unique CDR3
6 unique J



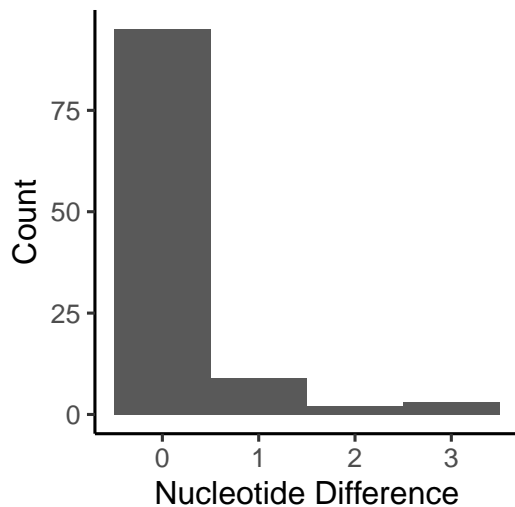
IGHV4-31*03

278 sequences assigned
227 (81.7%) exact matches, in which:
227 unique CDR3
6 unique J



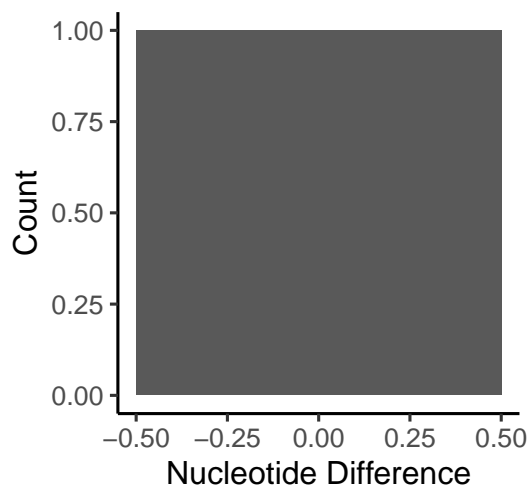
IGHV3-74*01

109 sequences assigned
95 (87.2%) exact matches, in which:
95 unique CDR3
5 unique J



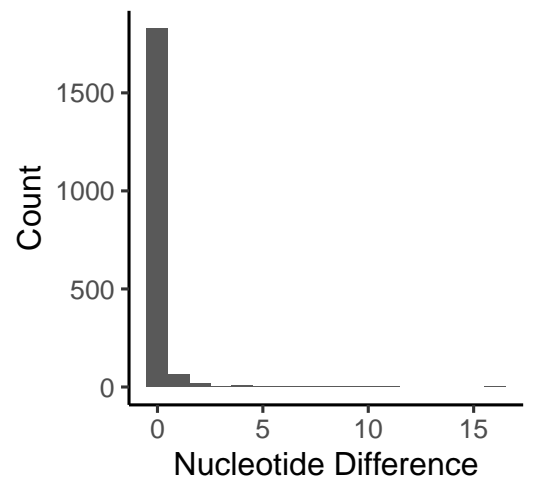
IGHV4-28*01

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



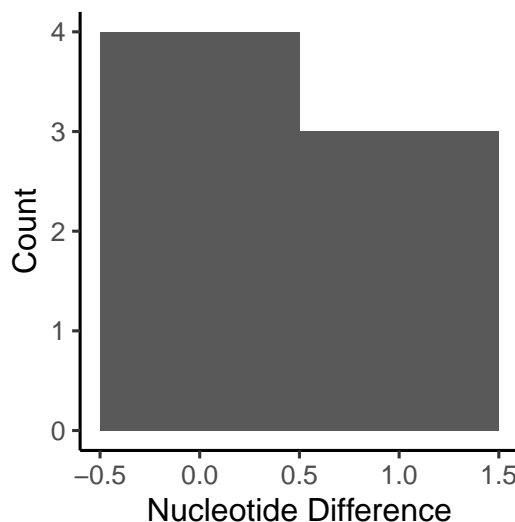
IGHV4-34*01

1931 sequences assigned
1827 (94.6%) exact matches, in which:
1827 unique CDR3
6 unique J



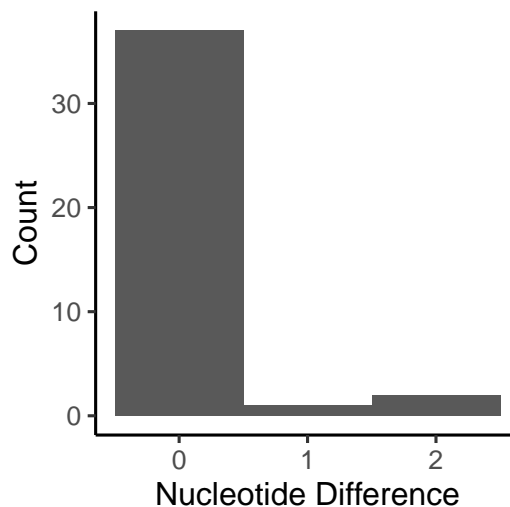
IGHV3-43D*04

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



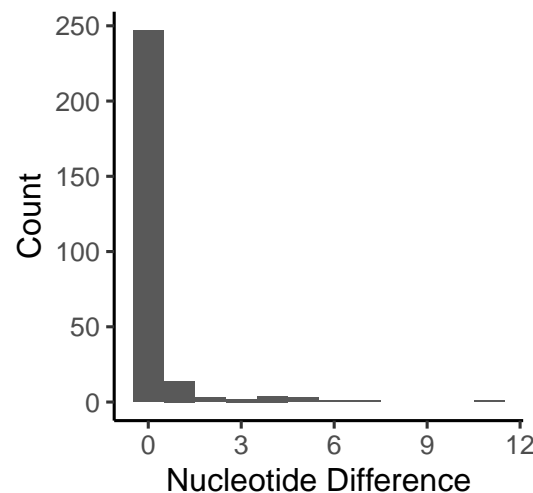
IGHV4-30-2*01

40 sequences assigned
37 (92.5%) exact matches, in which:
37 unique CDR3
5 unique J



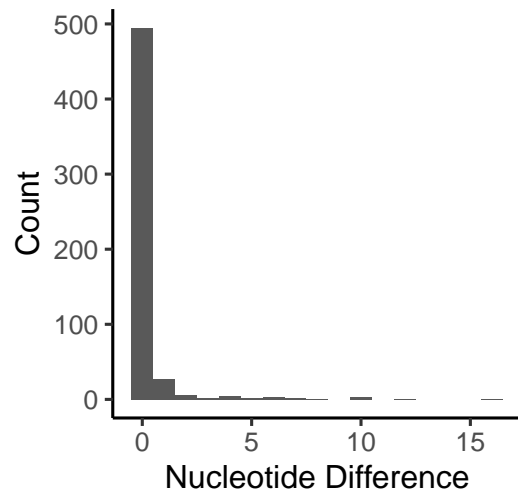
IGHV4-38-2*02_A70G

276 sequences assigned
247 (89.5%) exact matches, in which:
247 unique CDR3
6 unique J



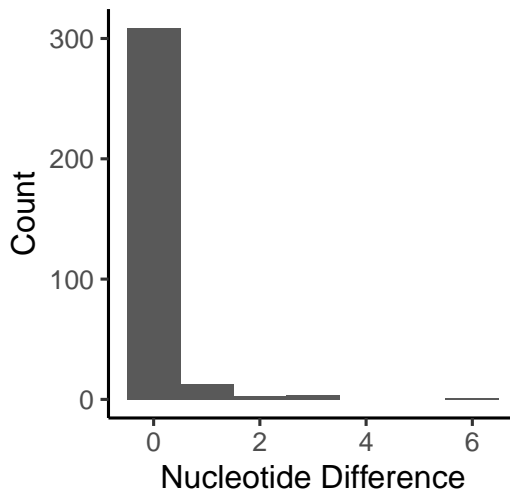
IGHV4–39*01

547 sequences assigned
495 (90.5%) exact matches, in which:
494 unique CDR3
6 unique J



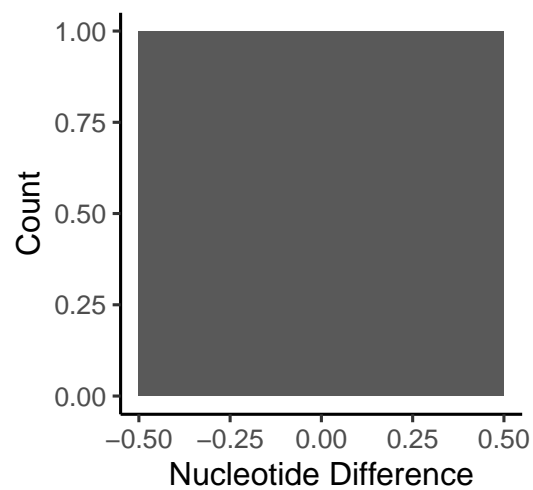
IGHV5–51*01

330 sequences assigned
309 (93.6%) exact matches, in which:
308 unique CDR3
6 unique J



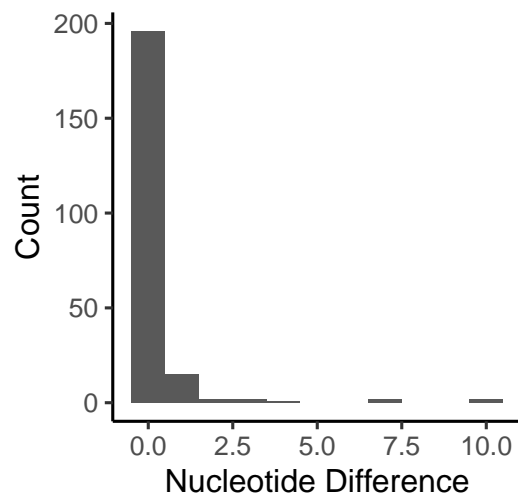
IGHV7–81*01

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



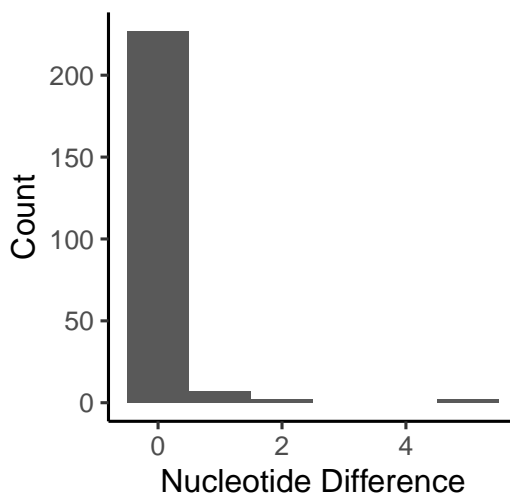
IGHV4–59*01

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



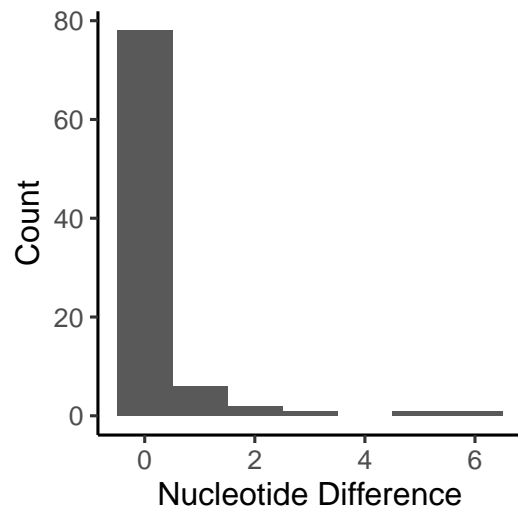
IGHV5–51*01_C45G

238 sequences assigned
227 (95.4%) exact matches, in which:
227 unique CDR3
6 unique J



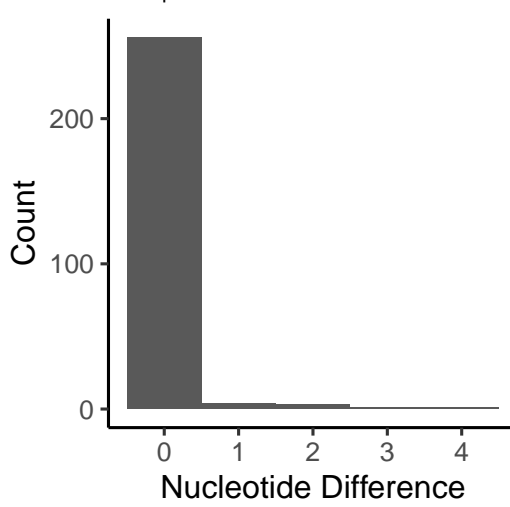
IGHV4–61*01

89 sequences assigned
78 (87.6%) exact matches, in which:
78 unique CDR3
5 unique J



IGHV6–1*01

265 sequences assigned
256 (96.6%) exact matches, in which:
256 unique CDR3
6 unique J





Warning – no inferred sequences found.