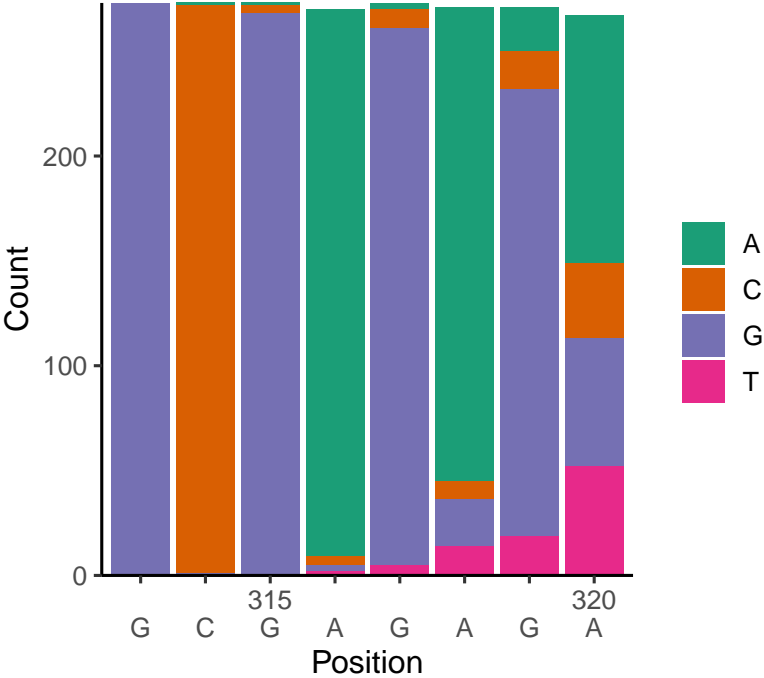


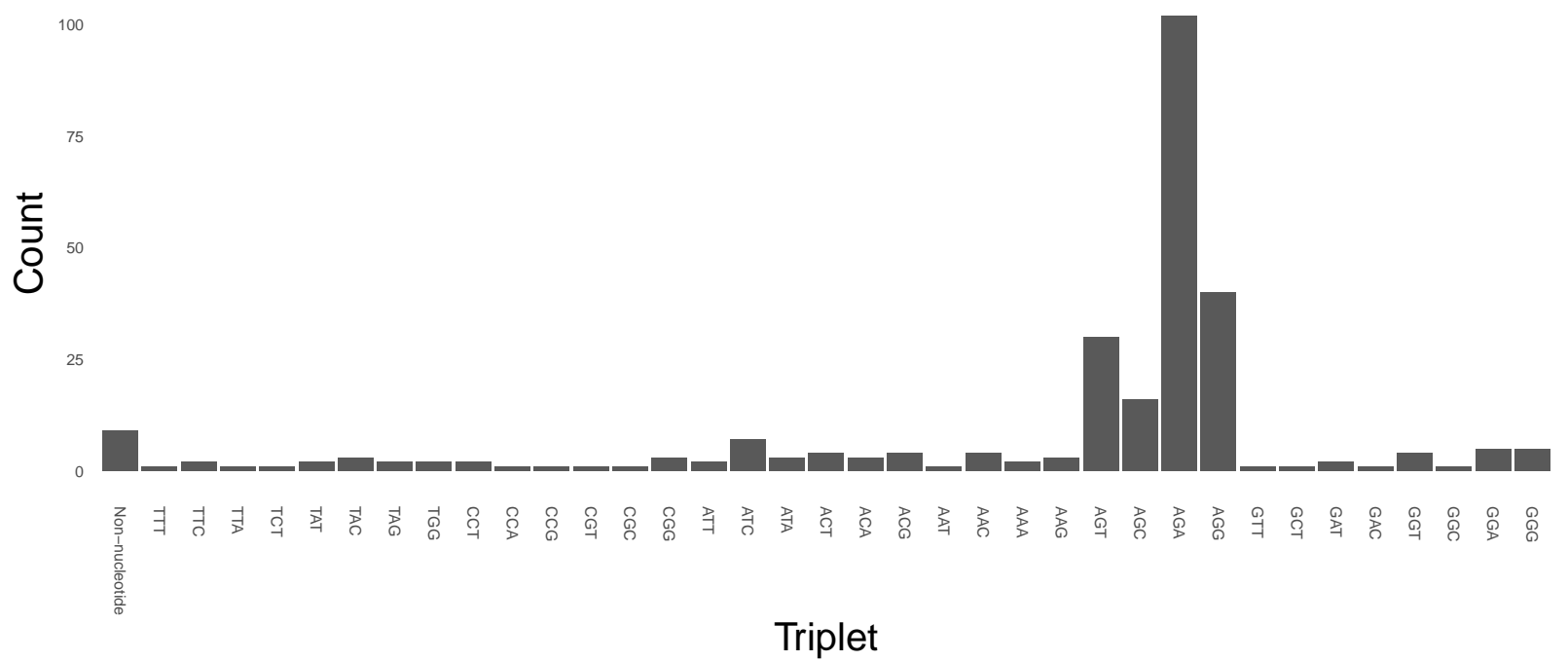
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

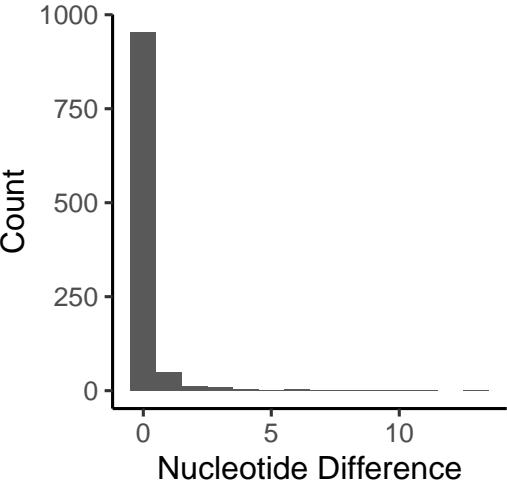


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



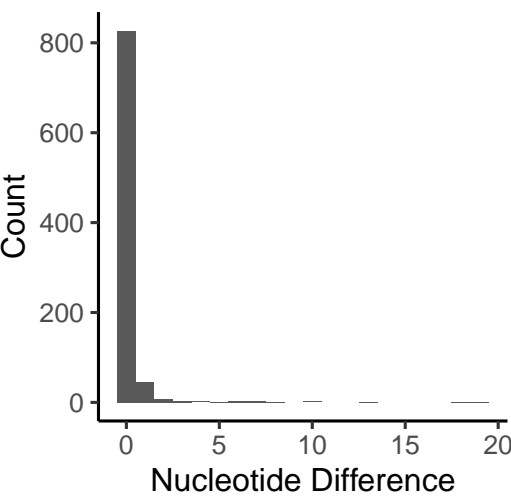
IGHV1-2*02

1039 sequences assigned
953 (91.7%) exact matches, in which:
950 unique CDR3
6 unique J



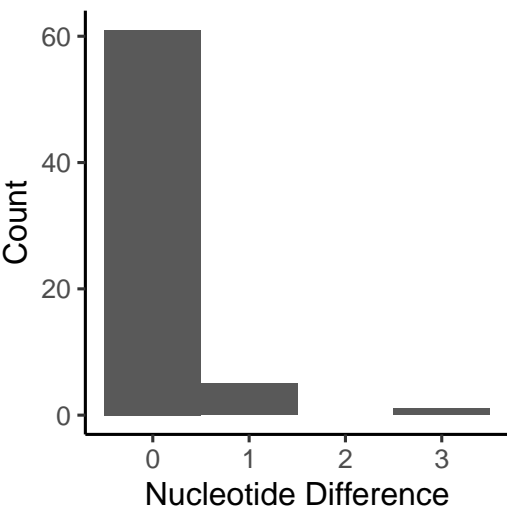
IGHV1-18*01

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



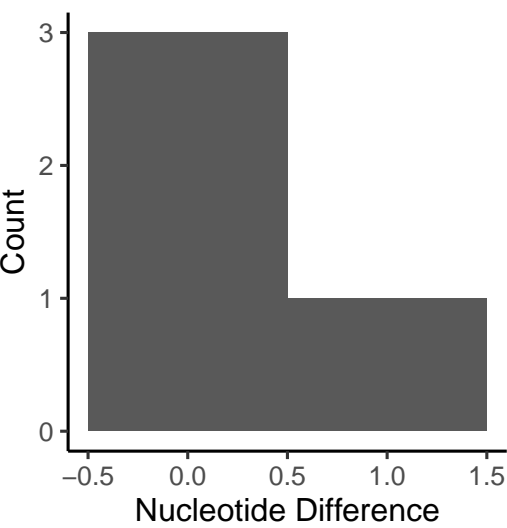
IGHV1-46*01

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



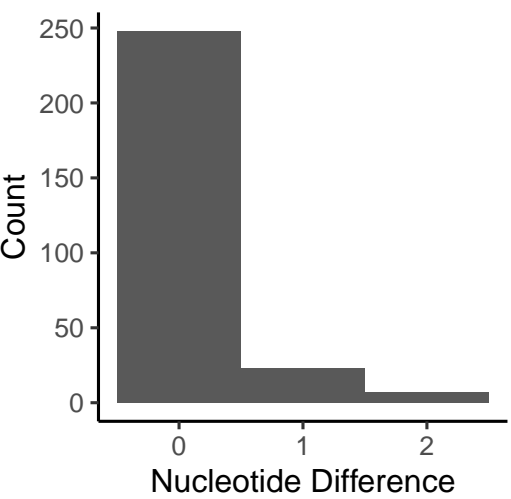
IGHV1-3*02

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



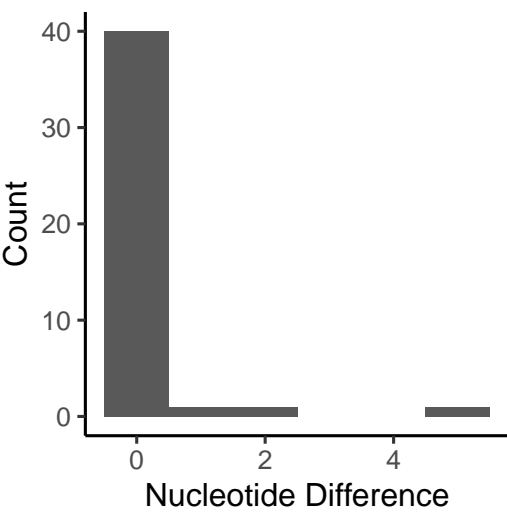
IGHV1-24*01

278 sequences assigned
248 (89.2%) exact matches, in which:
247 unique CDR3
6 unique J



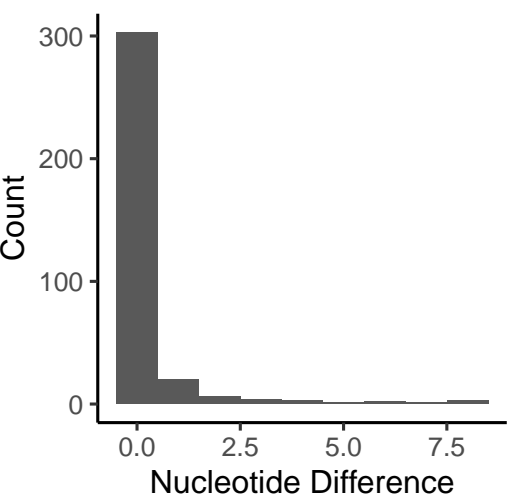
IGHV1-46*03

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



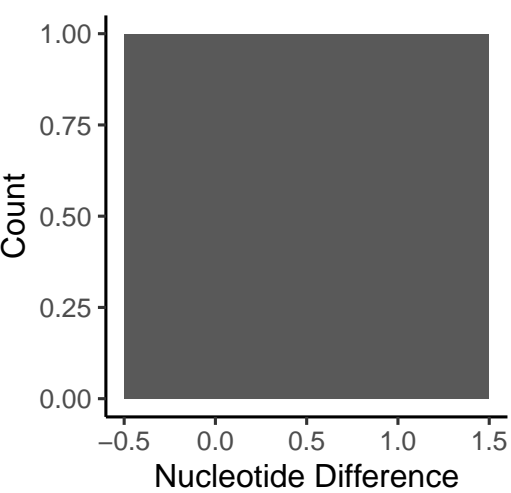
IGHV1-8*01

343 sequences assigned
303 (88.3%) exact matches, in which:
303 unique CDR3
6 unique J



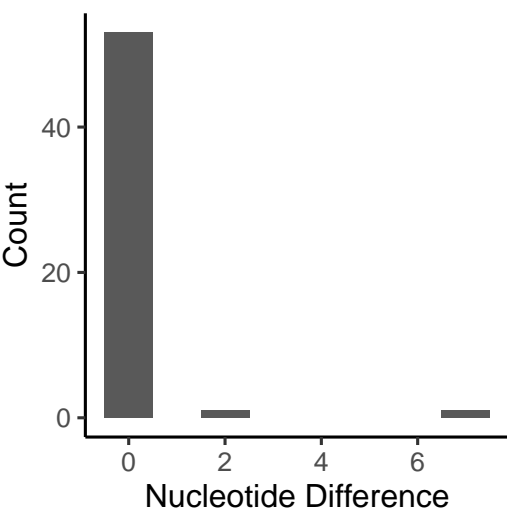
IGHV1-45*02

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



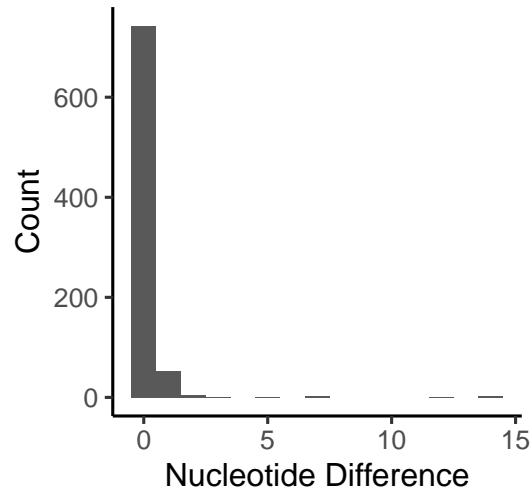
IGHV1-58*01

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



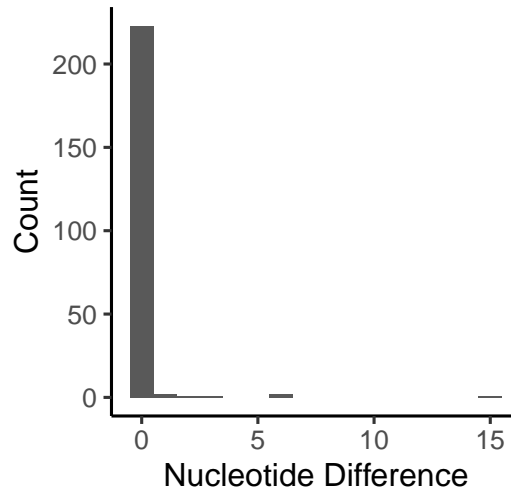
IGHV1–69*01

808 sequences assigned
743 (92%) exact matches, in which:
743 unique CDR3
6 unique J



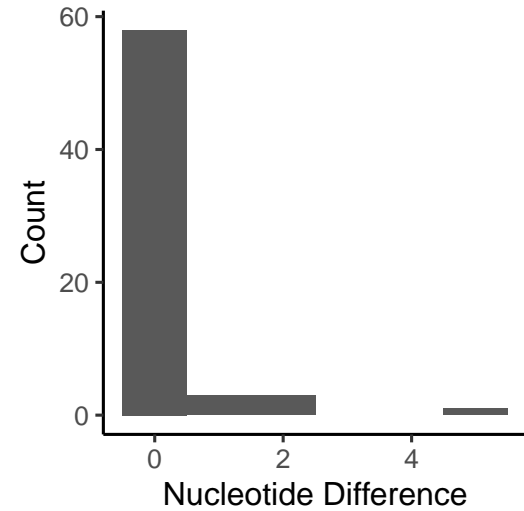
IGHV2–5*02

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



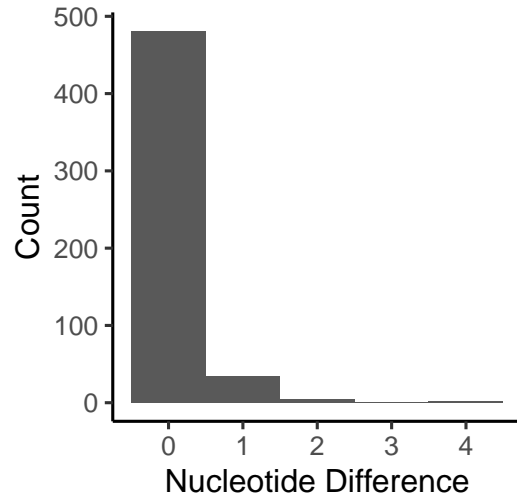
IGHV2–70*15

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



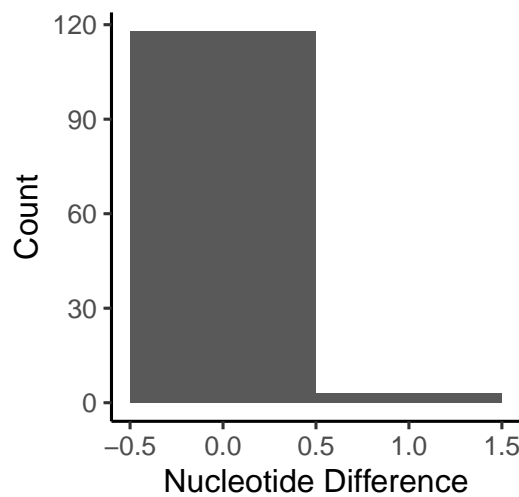
IGHV1–69*04

523 sequences assigned
481 (92%) exact matches, in which:
481 unique CDR3
6 unique J



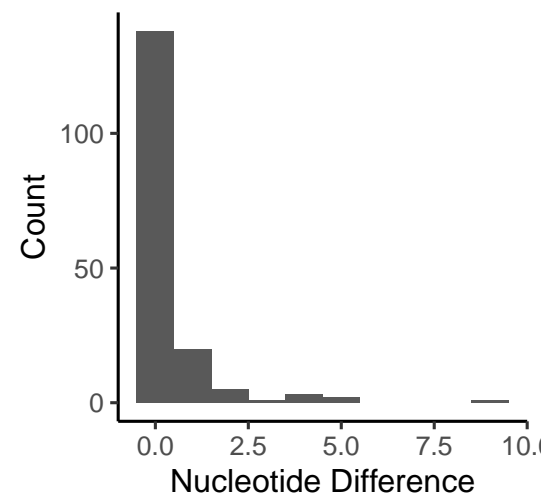
IGHV2–26*01

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



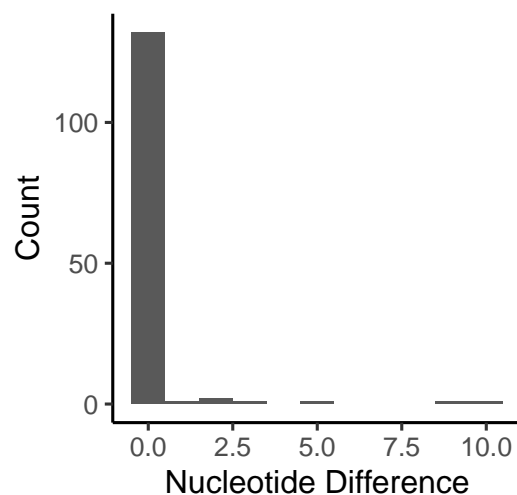
IGHV3–7*01

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



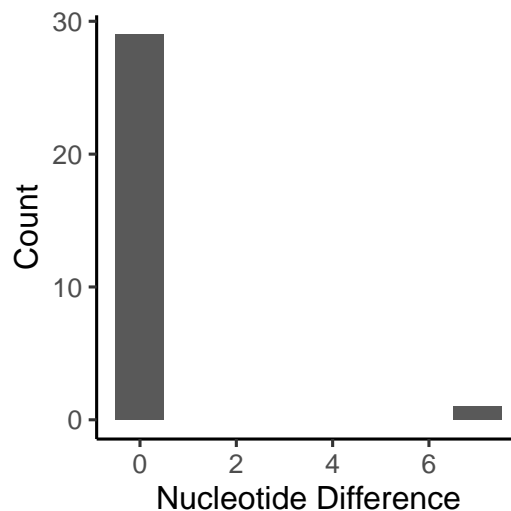
IGHV2–5*01

139 sequences assigned
132 (95%) exact matches, in which:
132 unique CDR3
6 unique J



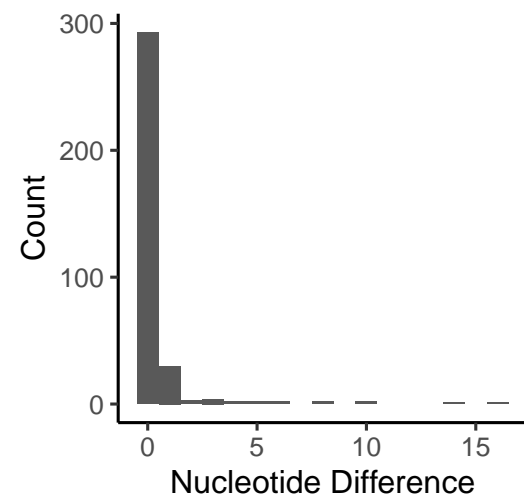
IGHV2–70*01

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



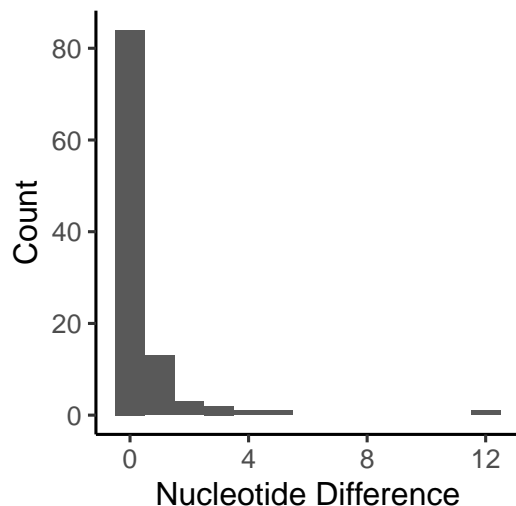
IGHV3–9*01

342 sequences assigned
293 (85.7%) exact matches, in which:
293 unique CDR3
6 unique J



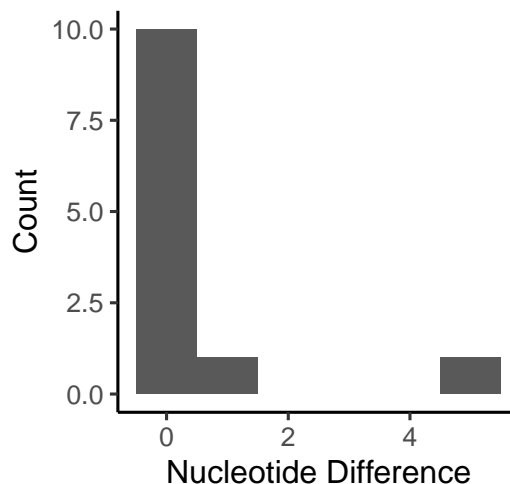
IGHV3-11*01

105 sequences assigned
84 (80%) exact matches, in which:
84 unique CDR3
5 unique J



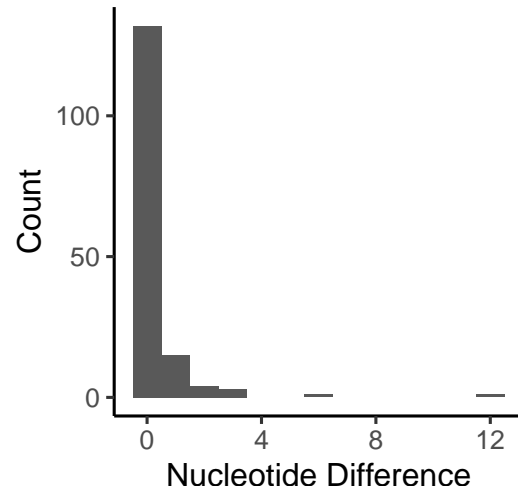
IGHV3-20*01

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



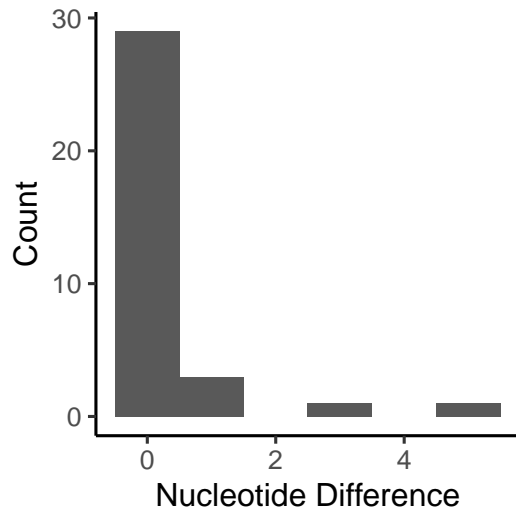
IGHV3-23*04

156 sequences assigned
132 (84.6%) exact matches, in which:
132 unique CDR3
5 unique J



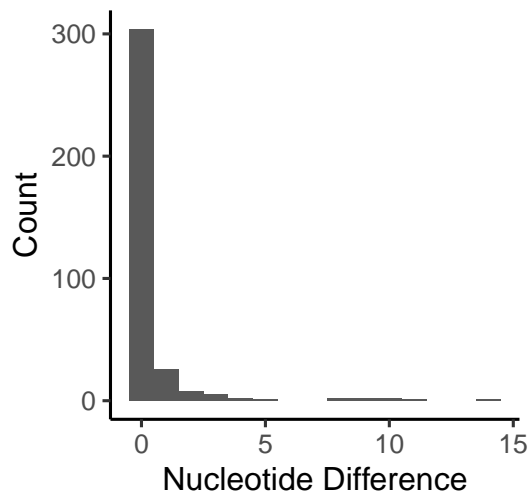
IGHV3-13*01

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



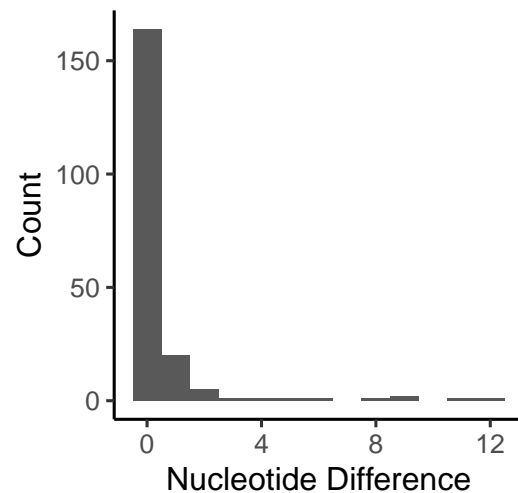
IGHV3-21*01

354 sequences assigned
304 (85.9%) exact matches, in which:
303 unique CDR3
6 unique J



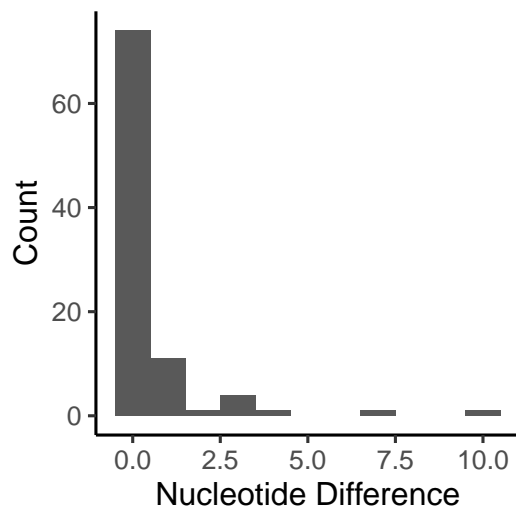
IGHV3-30*01

198 sequences assigned
164 (82.8%) exact matches, in which:
164 unique CDR3
6 unique J



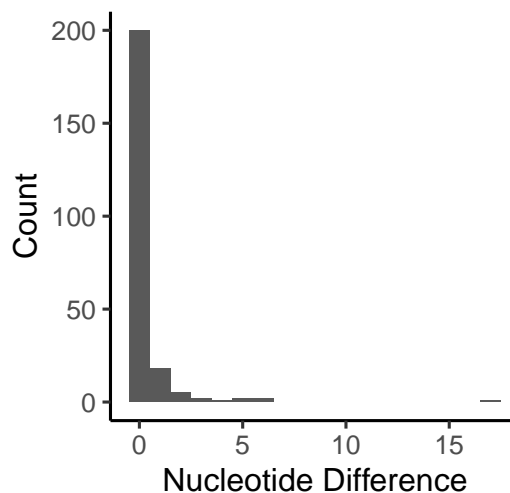
IGHV3-15*01

93 sequences assigned
74 (79.6%) exact matches, in which:
74 unique CDR3
6 unique J



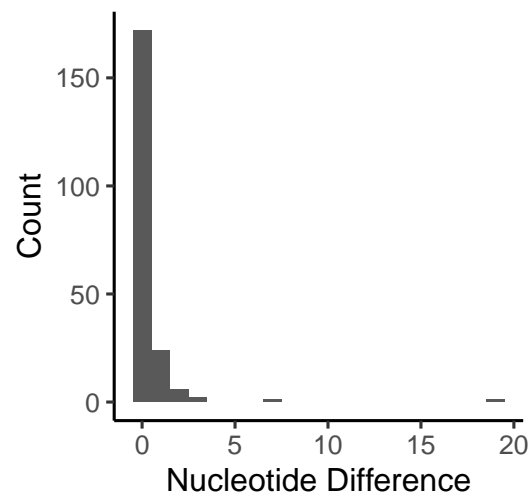
IGHV3-23*01

231 sequences assigned
200 (86.6%) exact matches, in which:
200 unique CDR3
6 unique J



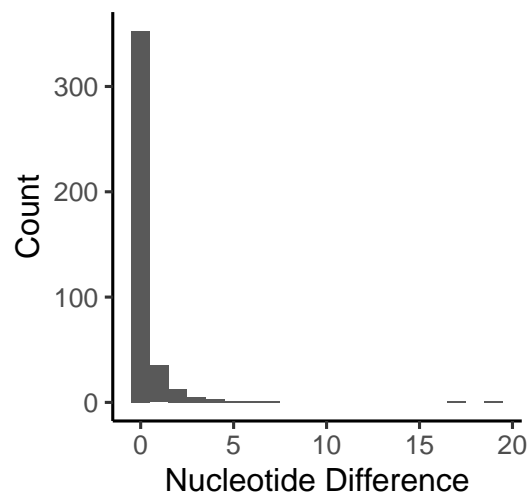
IGHV3-30*18

206 sequences assigned
172 (83.5%) exact matches, in which:
172 unique CDR3
6 unique J



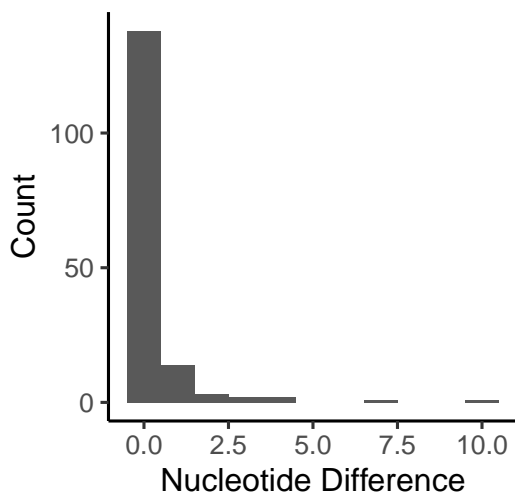
IGHV3–33*01

415 sequences assigned
353 (85.1%) exact matches, in which:
353 unique CDR3
6 unique J



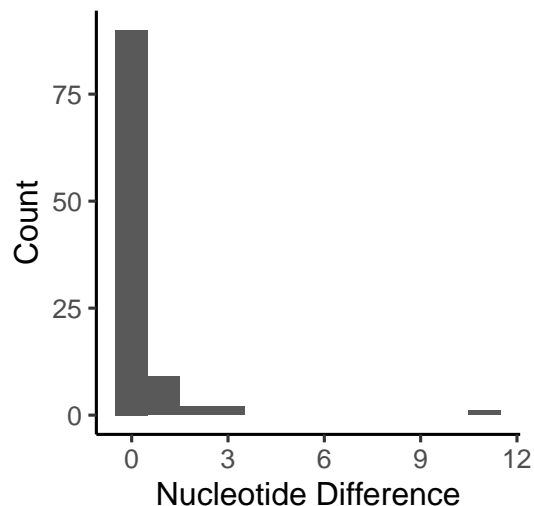
IGHV3–48*03

161 sequences assigned
138 (85.7%) exact matches, in which:
138 unique CDR3
5 unique J



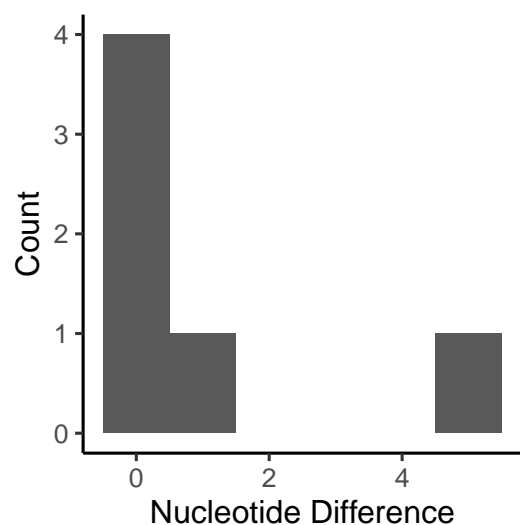
IGHV3–53*02

105 sequences assigned
90 (85.7%) exact matches, in which:
90 unique CDR3
5 unique J



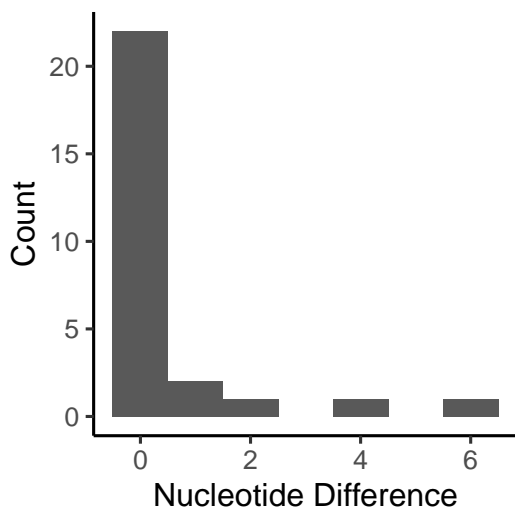
IGHV3–43*01

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



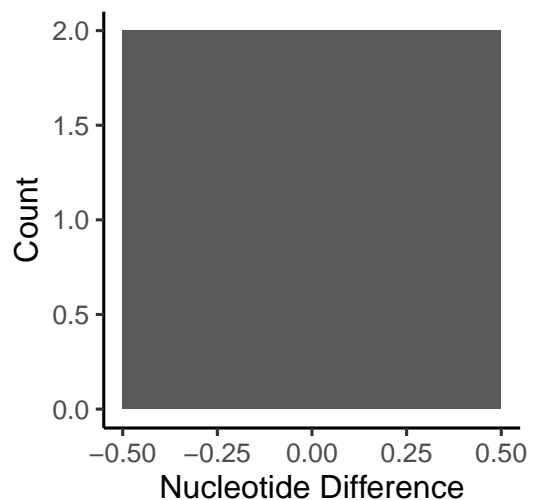
IGHV3–49*03

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



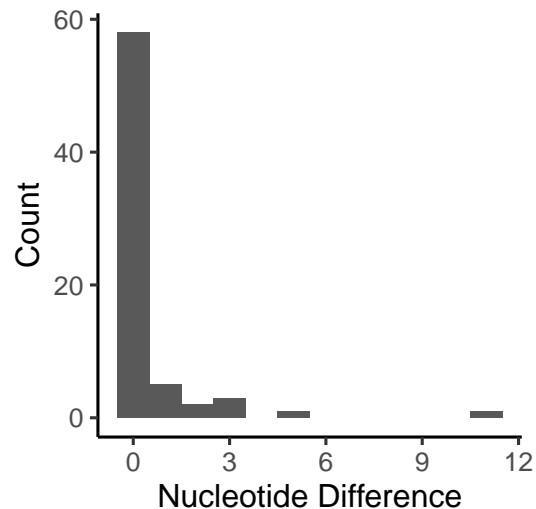
IGHV3–64*02

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



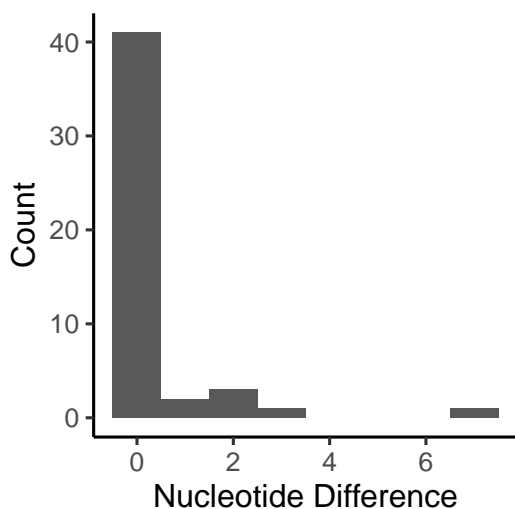
IGHV3–48*01

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



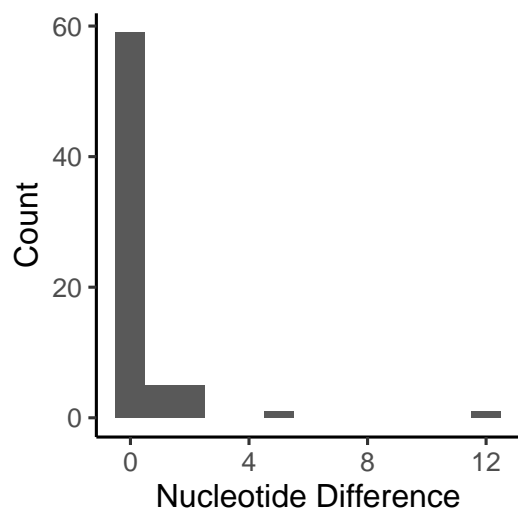
IGHV3–49*04

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



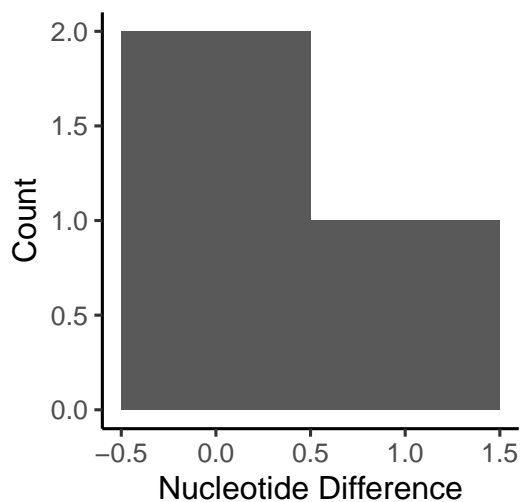
IGHV3–66*01

71 sequences assigned
59 (83.1%) exact matches, in which:
59 unique CDR3
5 unique J



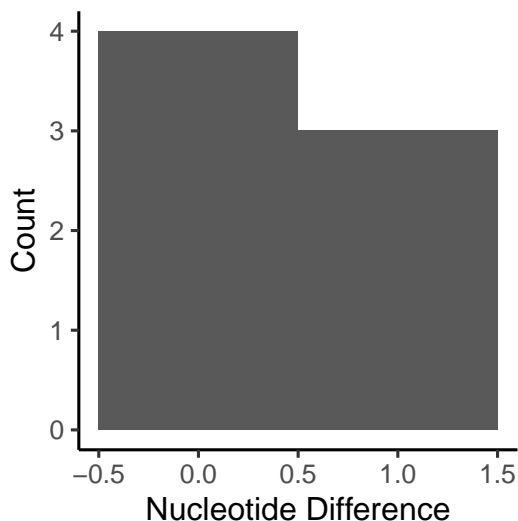
IGHV3-72*01

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



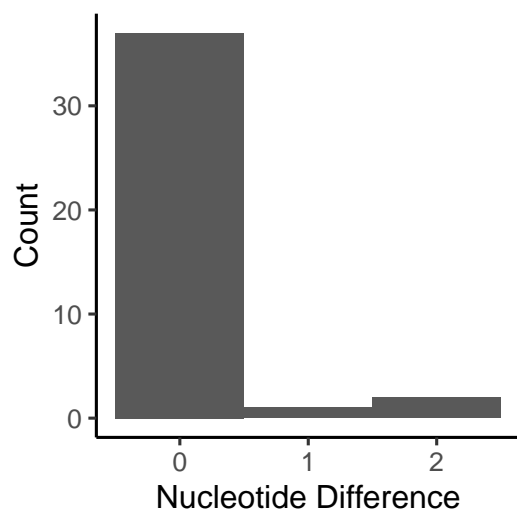
IGHV3-43D*04

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



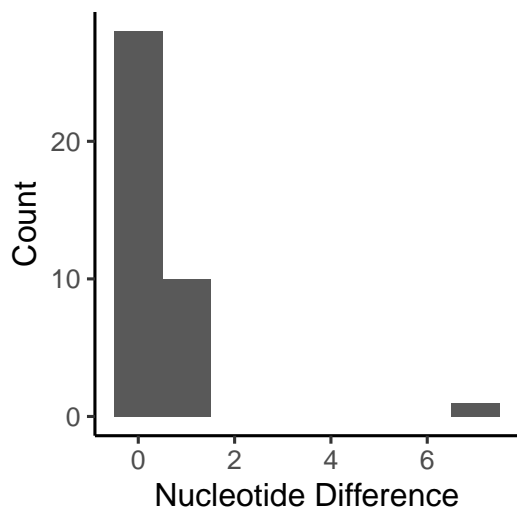
IGHV4-30-2*01

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



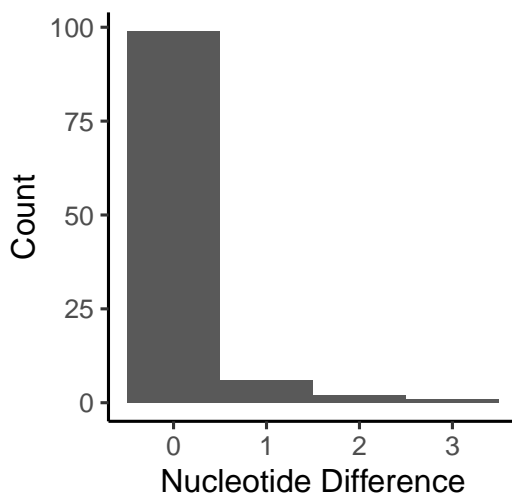
IGHV3-73*02

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



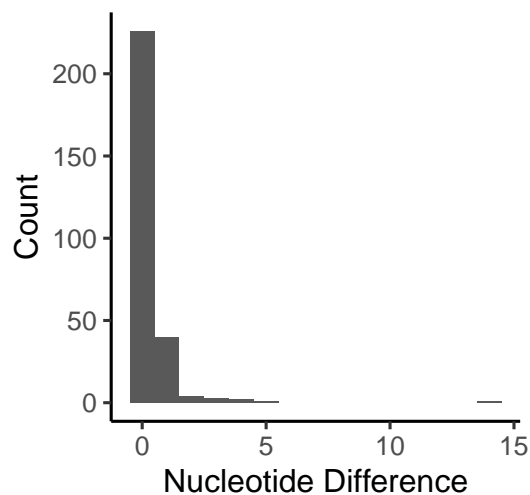
IGHV4-4*07

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



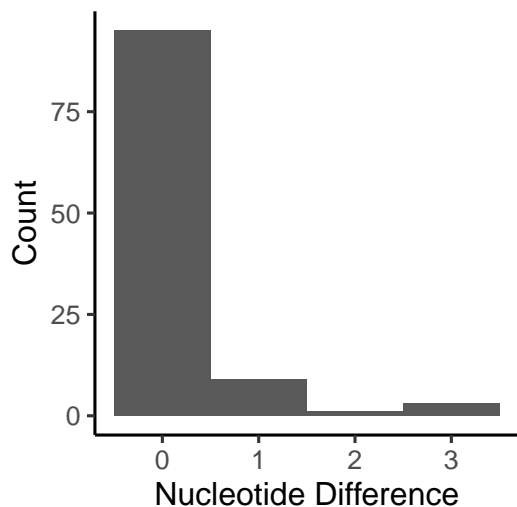
IGHV4-31*03

277 sequences assigned
226 (81.6%) exact matches, in which:
226 unique CDR3
6 unique J



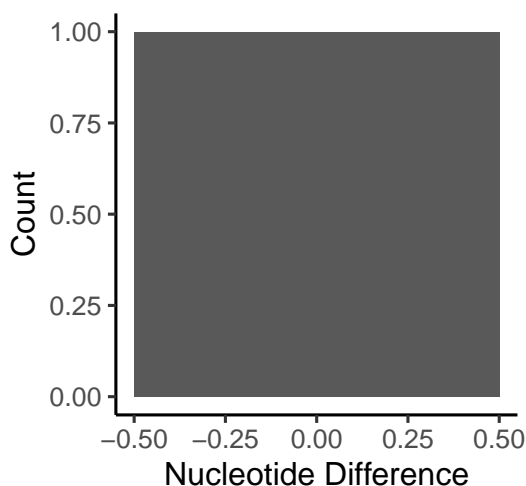
IGHV3-74*01

108 sequences assigned
95 (88%) exact matches, in which:
95 unique CDR3
5 unique J



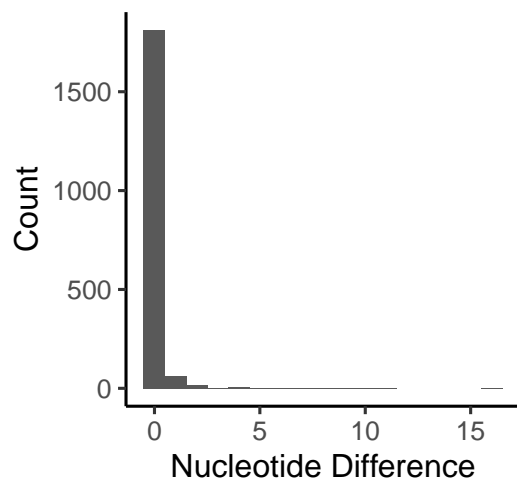
IGHV4-28*01

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



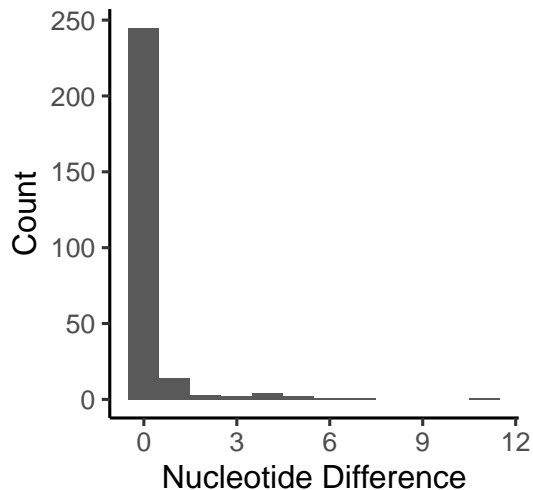
IGHV4-34*01

1915 sequences assigned
1812 (94.6%) exact matches, in which:
1812 unique CDR3
6 unique J



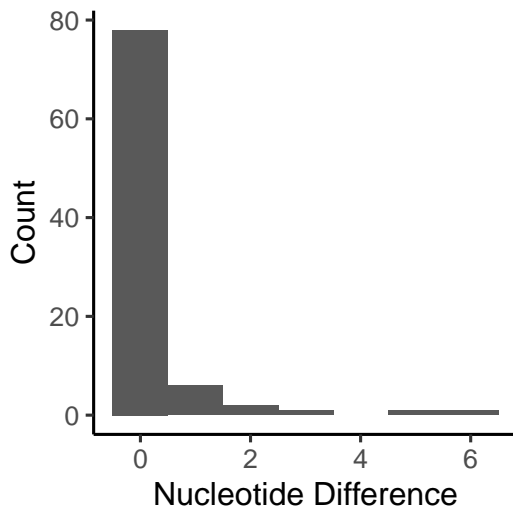
IGHV4-38-2*02_A70G

273 sequences assigned
245 (89.7%) exact matches, in which:
245 unique CDR3
6 unique J



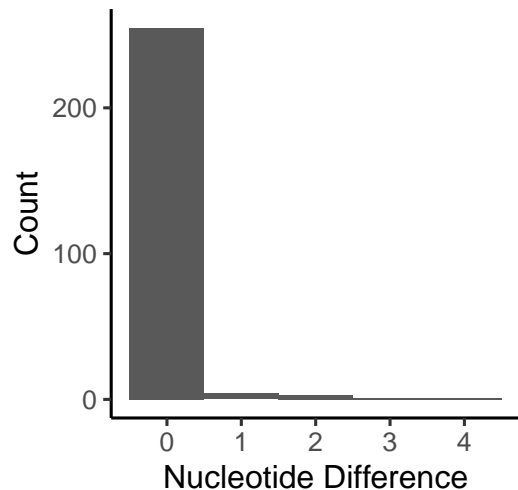
IGHV4-61*01

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



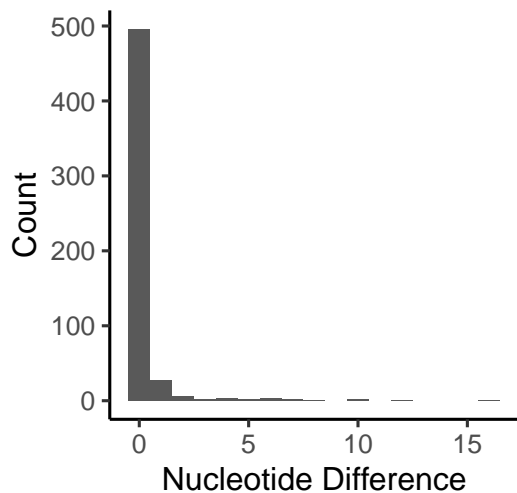
IGHV6-1*01

264 sequences assigned
255 (96.6%) exact matches, in which:
255 unique CDR3
6 unique J



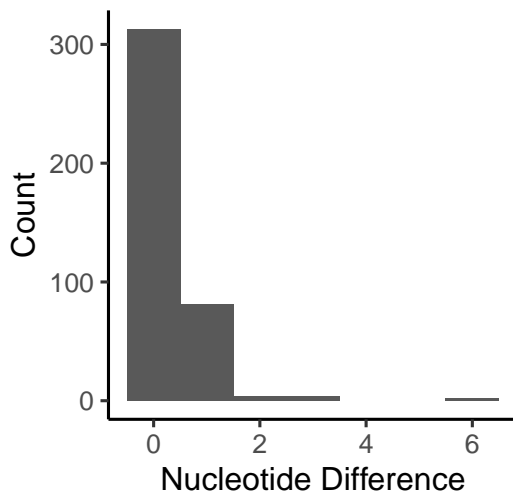
IGHV4-39*01

547 sequences assigned
496 (90.7%) exact matches, in which:
495 unique CDR3
6 unique J



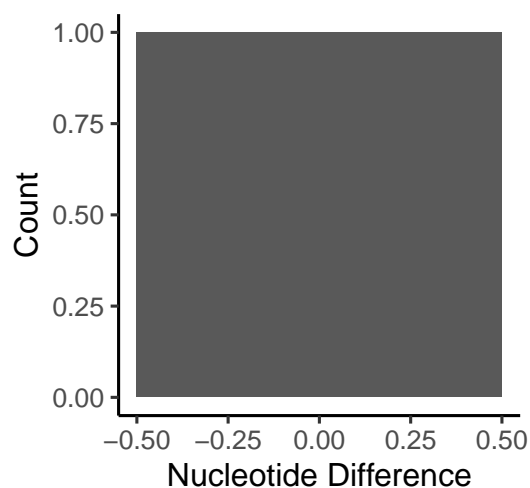
IGHV5-51*01

404 sequences assigned
313 (77.5%) exact matches, in which:
312 unique CDR3
6 unique J



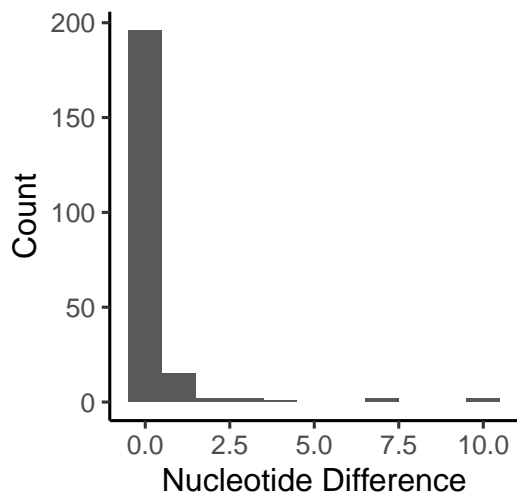
IGHV7-81*01

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



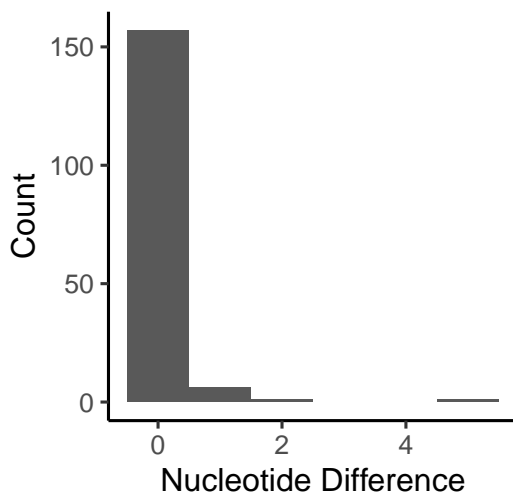
IGHV4-59*01

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



IGHV5-51*03

165 sequences assigned
157 (95.2%) exact matches, in which:
157 unique CDR3
6 unique J



IGHV4-38-2*02_A70G

