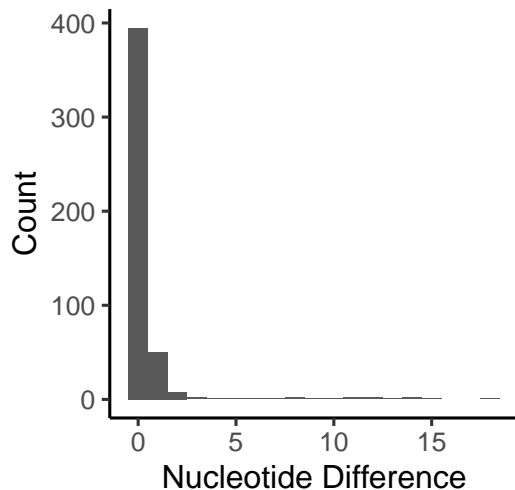


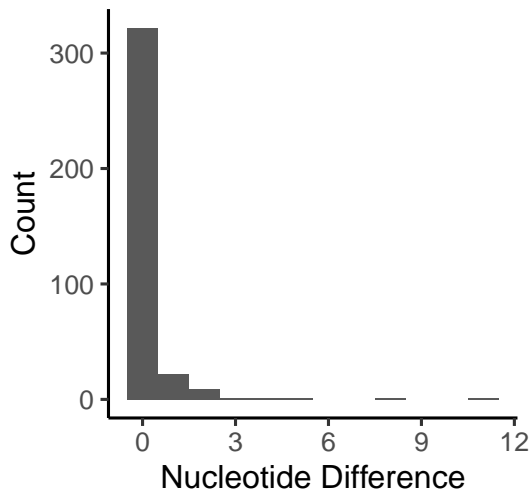
IGHV1-2*02

474 sequences assigned
395 (83.3%) exact matches, in which:
392 unique CDR3
6 unique J



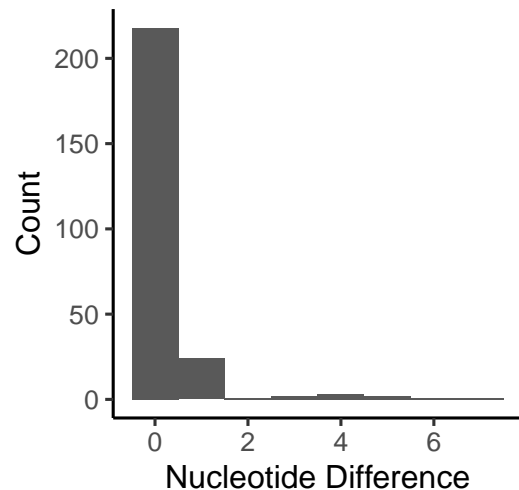
IGHV1-8*01

358 sequences assigned
322 (89.9%) exact matches, in which:
313 unique CDR3
6 unique J



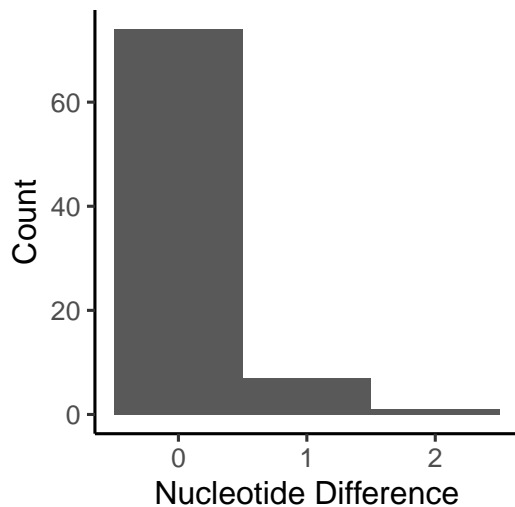
IGHV1-46*01

252 sequences assigned
218 (86.5%) exact matches, in which:
210 unique CDR3
6 unique J



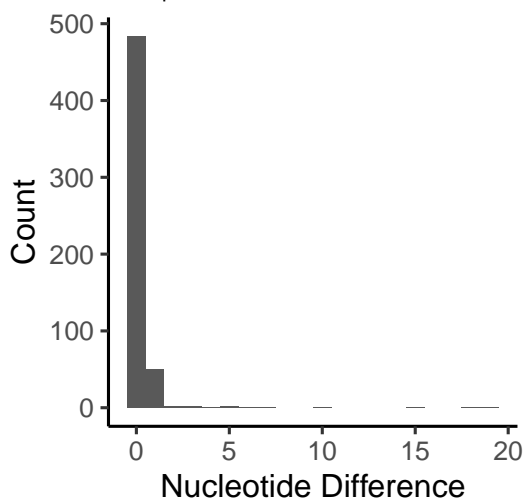
IGHV1-2*04

83 sequences assigned
74 (89.2%) exact matches, in which:
74 unique CDR3
5 unique J



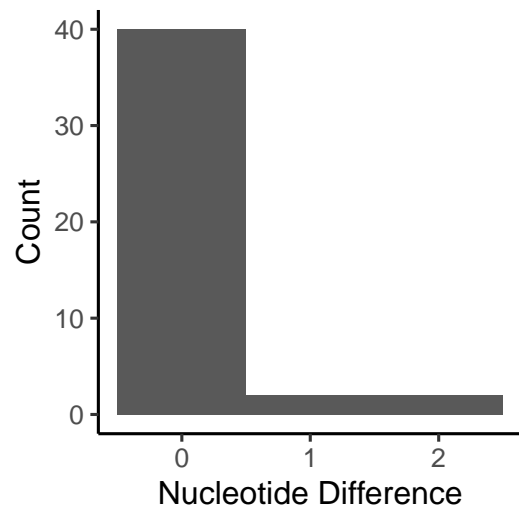
IGHV1-18*01

547 sequences assigned
484 (88.5%) exact matches, in which:
476 unique CDR3
6 unique J



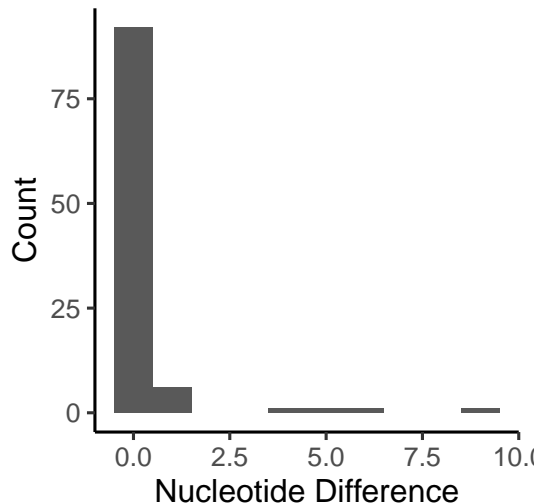
IGHV1-58*01

44 sequences assigned
40 (90.9%) exact matches, in which:
40 unique CDR3
4 unique J



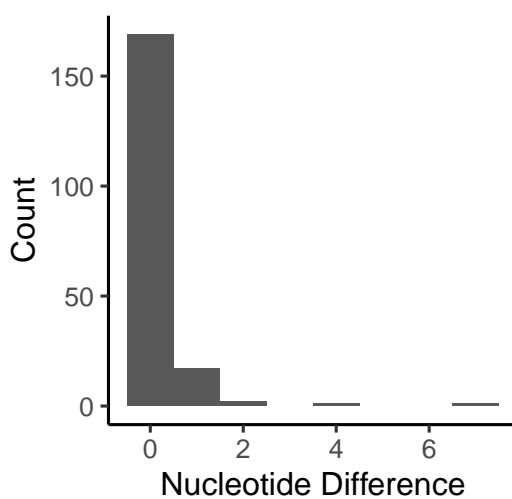
IGHV1-3*01

104 sequences assigned
92 (88.5%) exact matches, in which:
90 unique CDR3
5 unique J



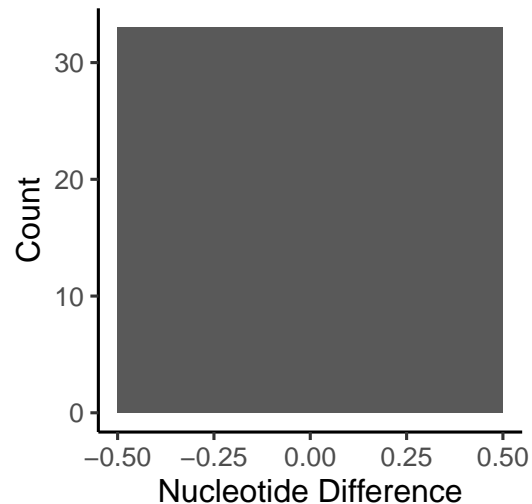
IGHV1-24*01

190 sequences assigned
169 (88.9%) exact matches, in which:
165 unique CDR3
6 unique J



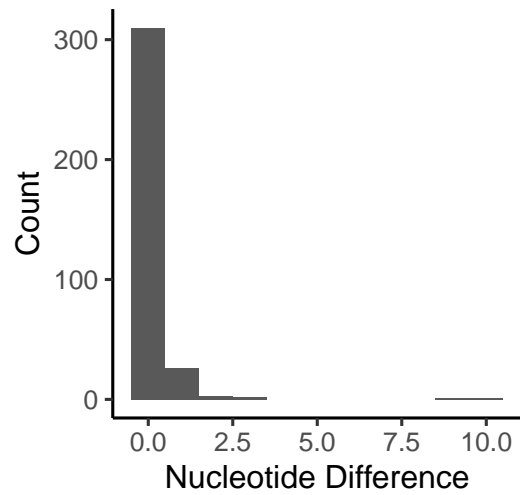
IGHV1-69-2*01

33 sequences assigned
33 (100%) exact matches, in which:
32 unique CDR3
5 unique J



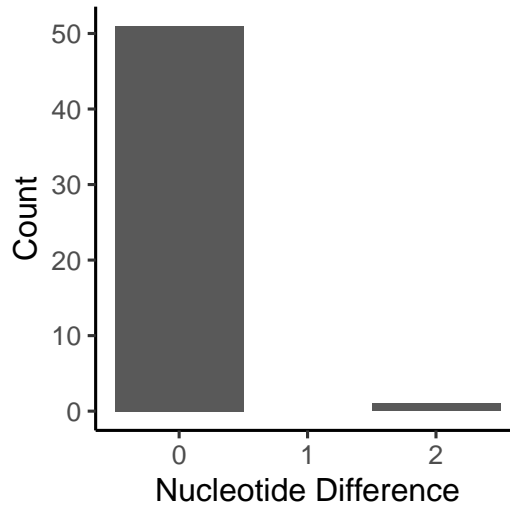
IGHV1–69*06

343 sequences assigned
310 (90.4%) exact matches, in which:
301 unique CDR3
6 unique J



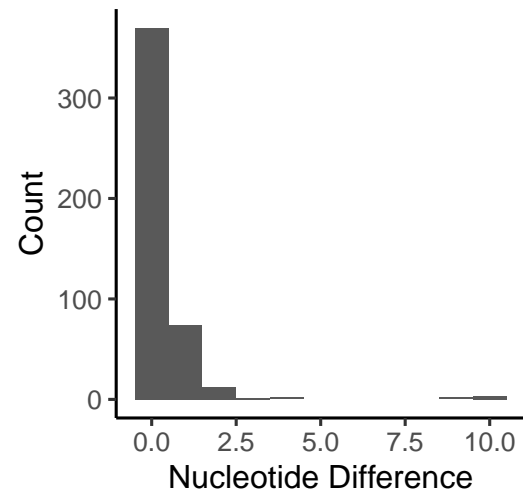
IGHV2–70*01

52 sequences assigned
51 (98.1%) exact matches, in which:
51 unique CDR3
4 unique J



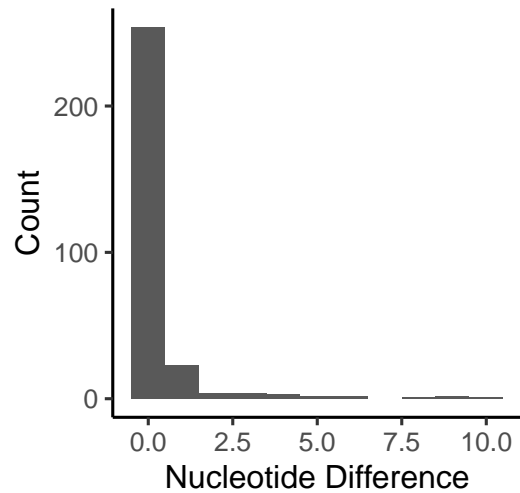
IGHV3–11*01

464 sequences assigned
370 (79.7%) exact matches, in which:
364 unique CDR3
6 unique J



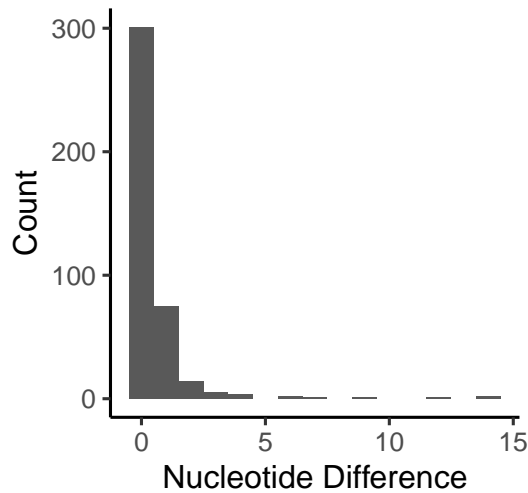
IGHV2–5*02

296 sequences assigned
254 (85.8%) exact matches, in which:
251 unique CDR3
6 unique J



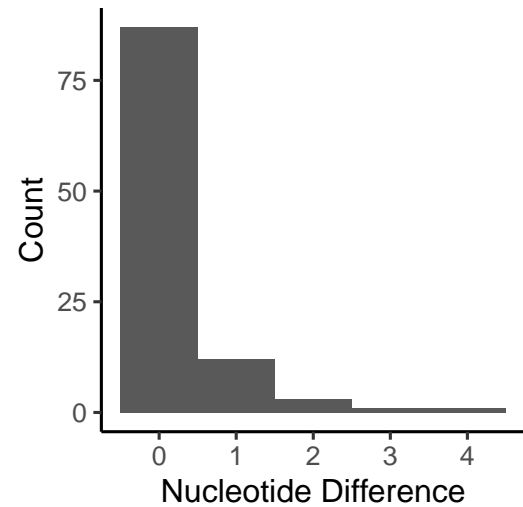
IGHV3–7*01

407 sequences assigned
301 (74%) exact matches, in which:
291 unique CDR3
6 unique J



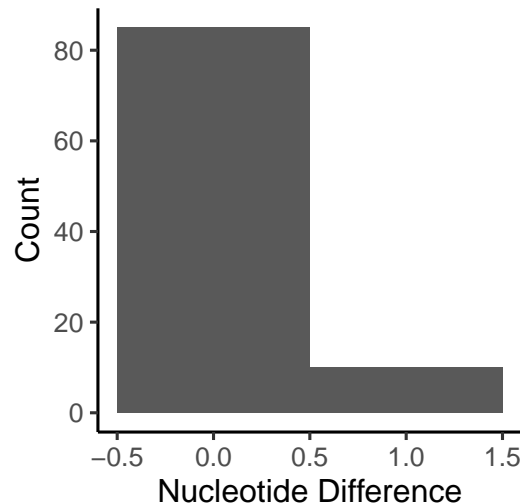
IGHV3–13*01

104 sequences assigned
87 (83.7%) exact matches, in which:
84 unique CDR3
4 unique J



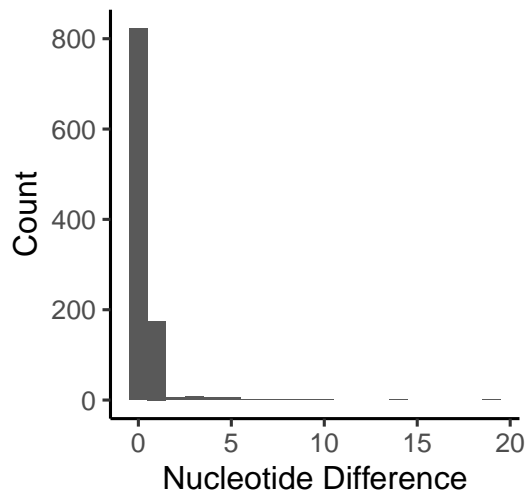
IGHV2–26*01

95 sequences assigned
85 (89.5%) exact matches, in which:
83 unique CDR3
5 unique J



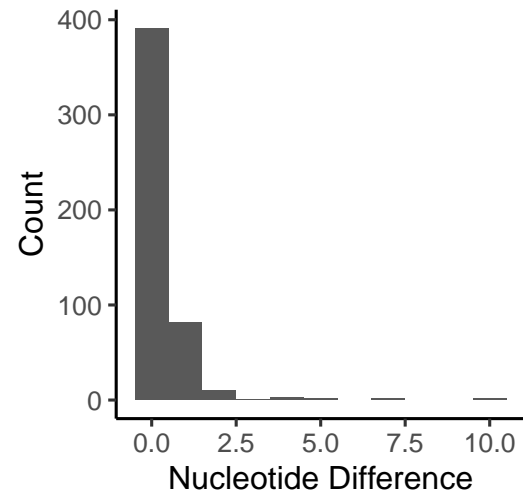
IGHV3–9*01

1031 sequences assigned
823 (79.8%) exact matches, in which:
792 unique CDR3
6 unique J



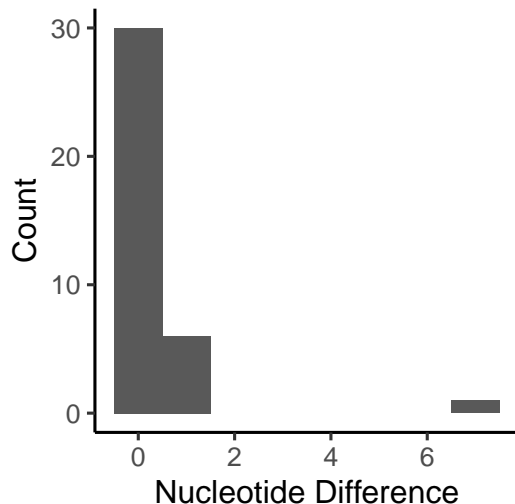
IGHV3–15*01

494 sequences assigned
391 (79.1%) exact matches, in which:
381 unique CDR3
6 unique J



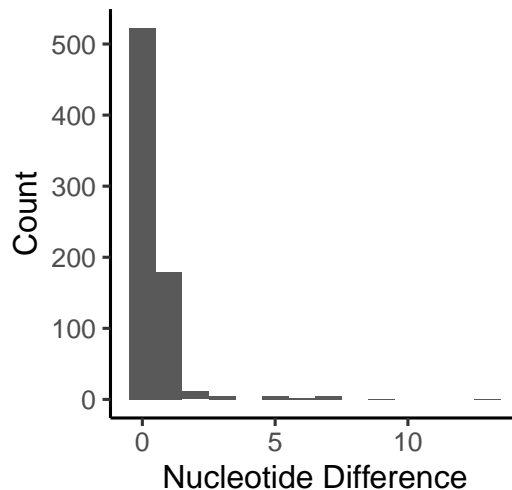
IGHV3–20*01

37 sequences assigned
30 (81.1%) exact matches, in which:
29 unique CDR3
5 unique J



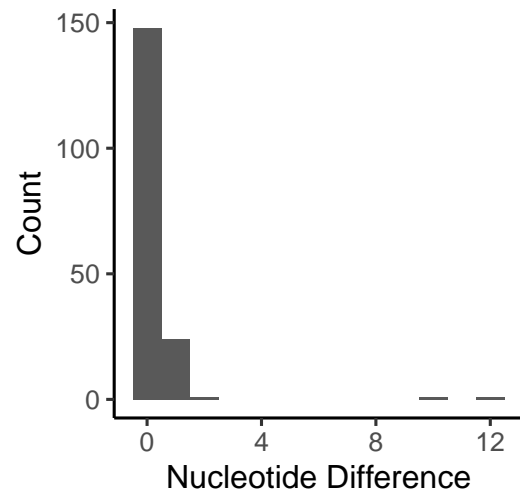
IGHV3–33*01

732 sequences assigned
523 (71.4%) exact matches, in which:
510 unique CDR3
6 unique J



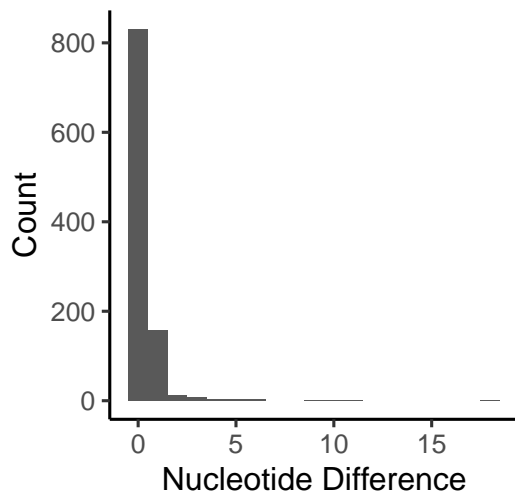
IGHV3–53*01

176 sequences assigned
148 (84.1%) exact matches, in which:
147 unique CDR3
5 unique J



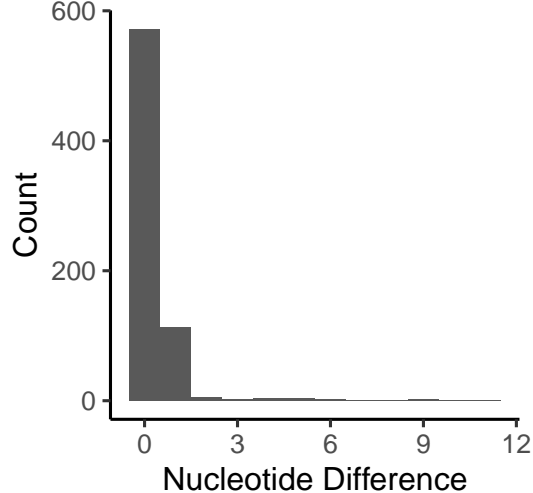
IGHV3–21*01

1022 sequences assigned
831 (81.3%) exact matches, in which:
804 unique CDR3
6 unique J



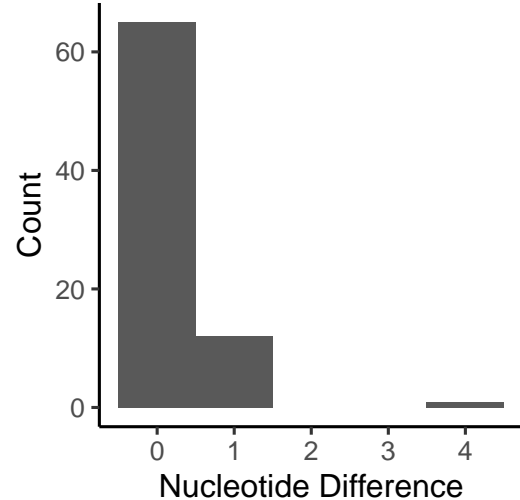
IGHV3–48*03

711 sequences assigned
572 (80.5%) exact matches, in which:
561 unique CDR3
6 unique J



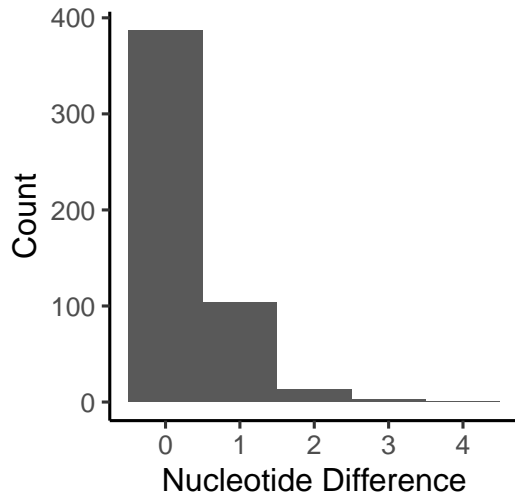
IGHV3–53*02

78 sequences assigned
65 (83.3%) exact matches, in which:
65 unique CDR3
5 unique J



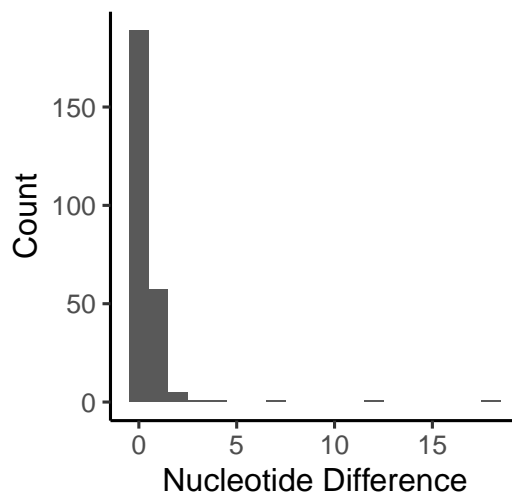
IGHV3–30–3*01

513 sequences assigned
387 (75.4%) exact matches, in which:
374 unique CDR3
6 unique J



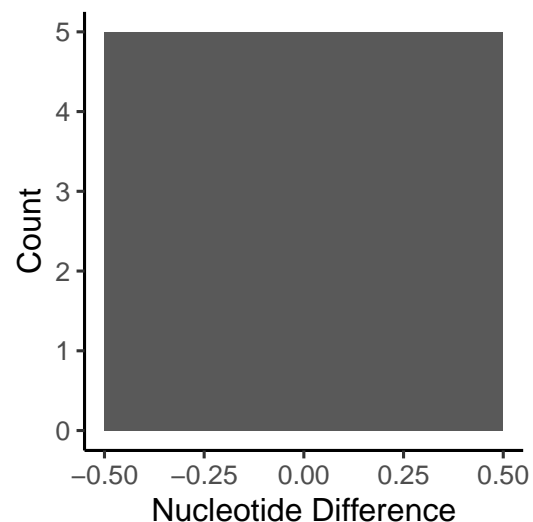
IGHV3–49*04

256 sequences assigned
189 (73.8%) exact matches, in which:
186 unique CDR3
6 unique J



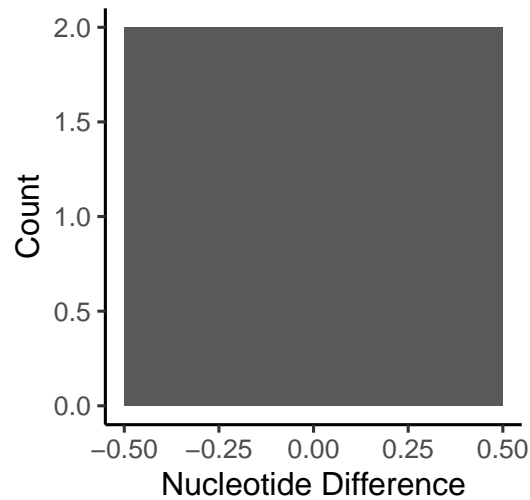
IGHV3–64*02

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



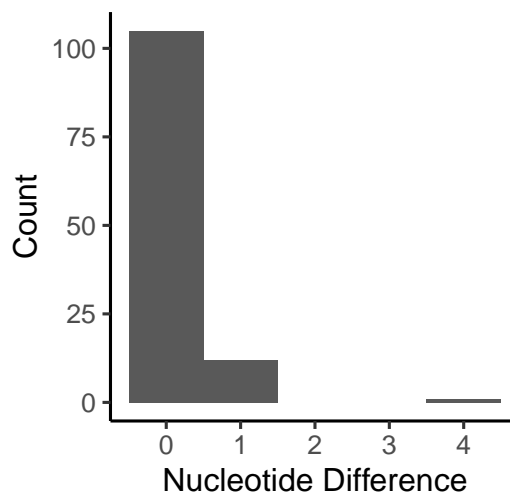
IGHV3–66*03

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



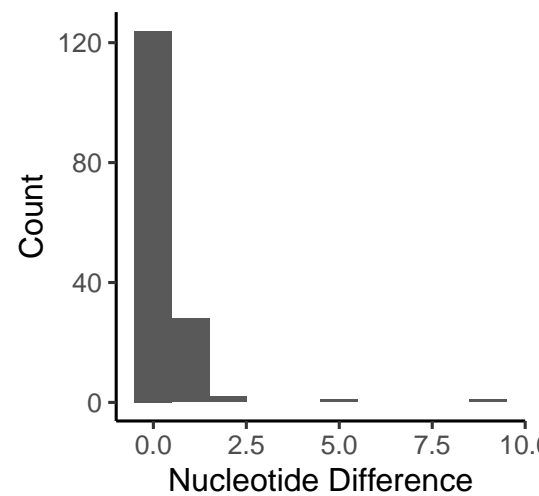
IGHV3–74*01

119 sequences assigned
105 (88.2%) exact matches, in which:
103 unique CDR3
5 unique J



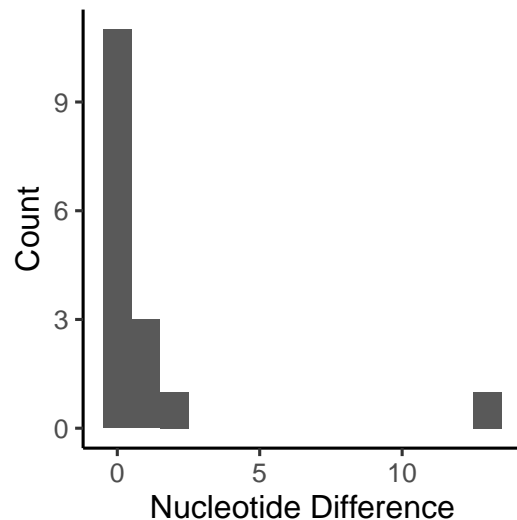
IGHV4–4*07

156 sequences assigned
124 (79.5%) exact matches, in which:
122 unique CDR3
5 unique J



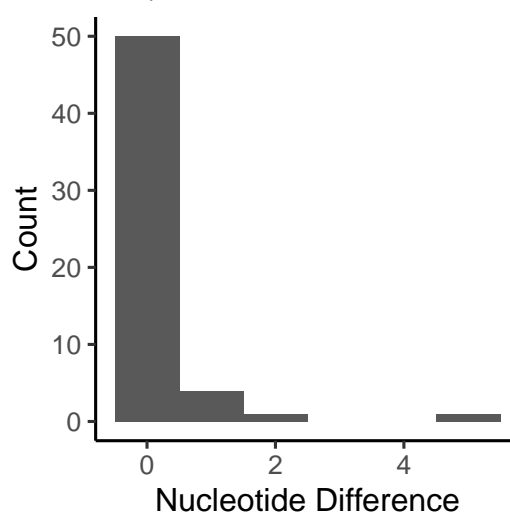
IGHV3–72*01

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



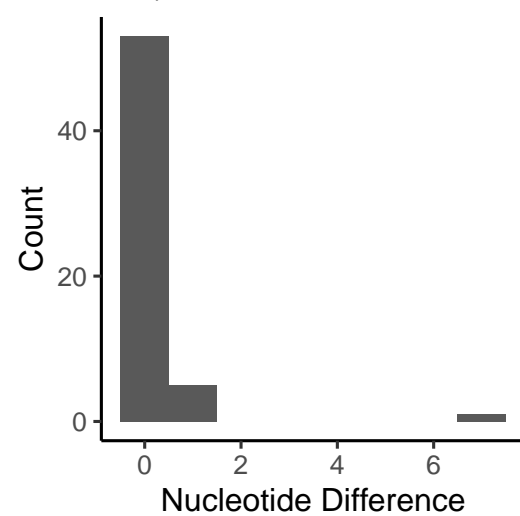
IGHV3–43D*04

56 sequences assigned
50 (89.3%) exact matches, in which:
50 unique CDR3
5 unique J



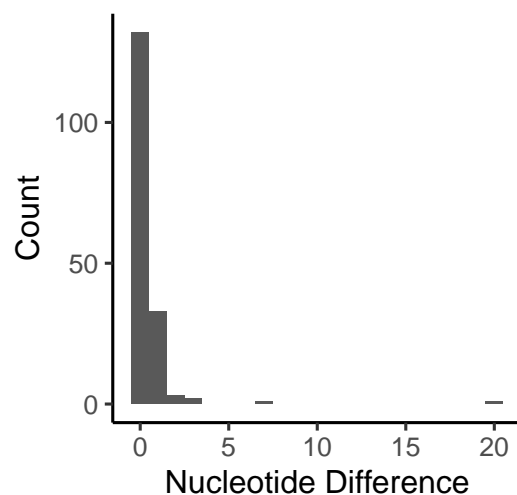
IGHV4–30–2*01

59 sequences assigned
53 (89.8%) exact matches, in which:
51 unique CDR3
6 unique J



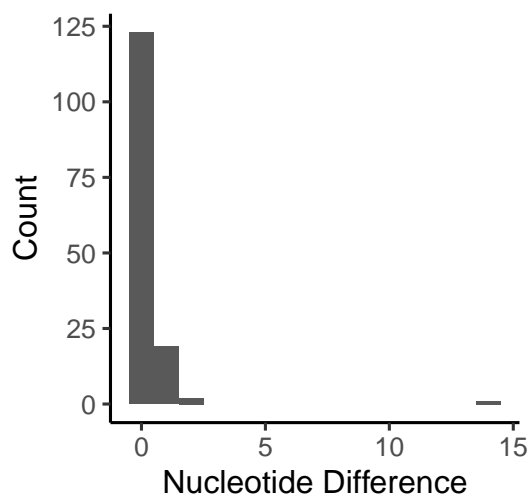
IGHV3–73*02

172 sequences assigned
132 (76.7%) exact matches, in which:
122 unique CDR3
6 unique J



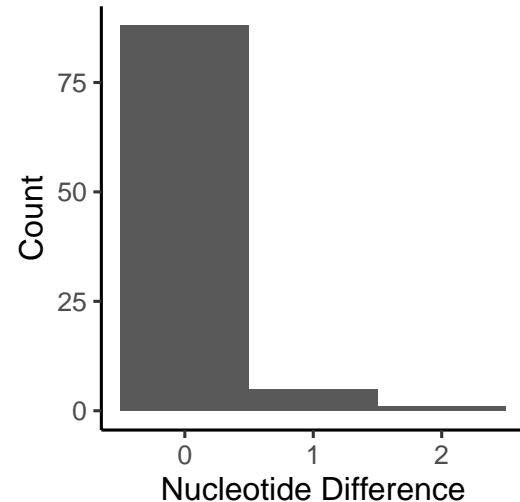
IGHV4–4*02

145 sequences assigned
123 (84.8%) exact matches, in which:
121 unique CDR3
6 unique J



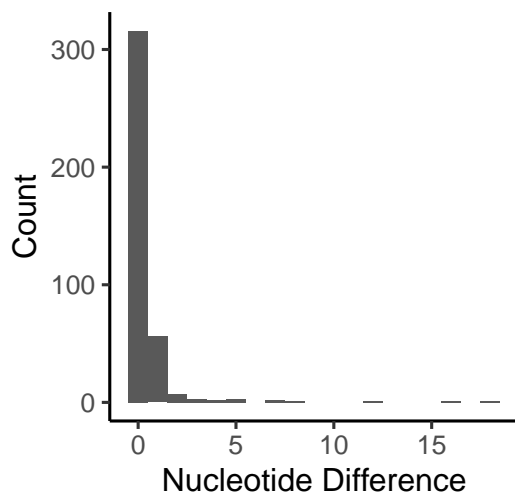
IGHV4–30–4*01

94 sequences assigned
88 (93.6%) exact matches, in which:
86 unique CDR3
6 unique J



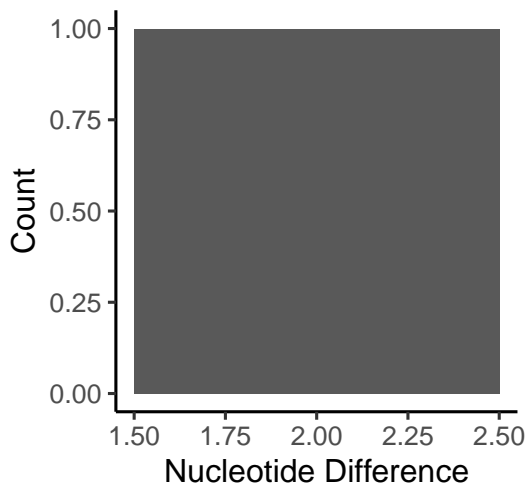
IGHV4-31*03

394 sequences assigned
316 (80.2%) exact matches, in which:
312 unique CDR3
6 unique J



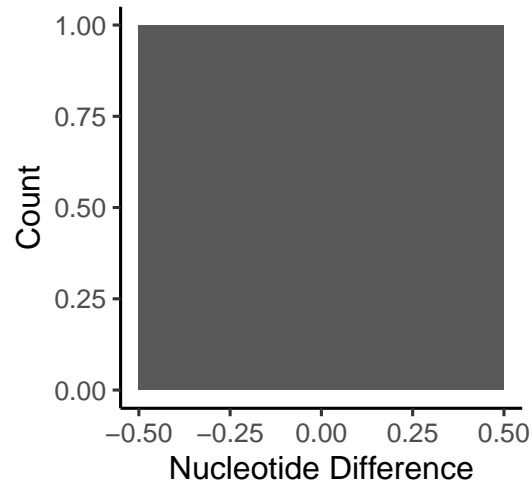
IGHV4-39*07

1 sequences assigned
No exact matches.



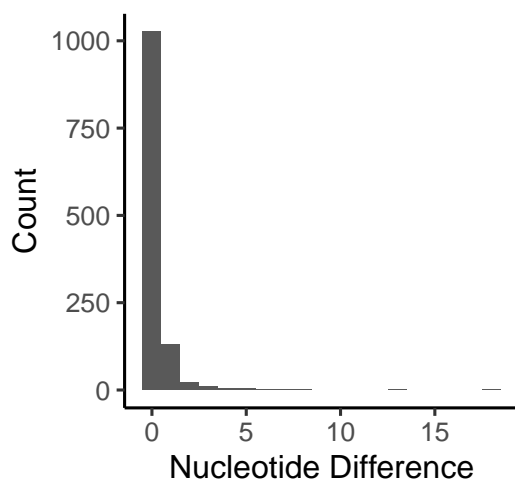
IGHV1/OR15-2*01

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



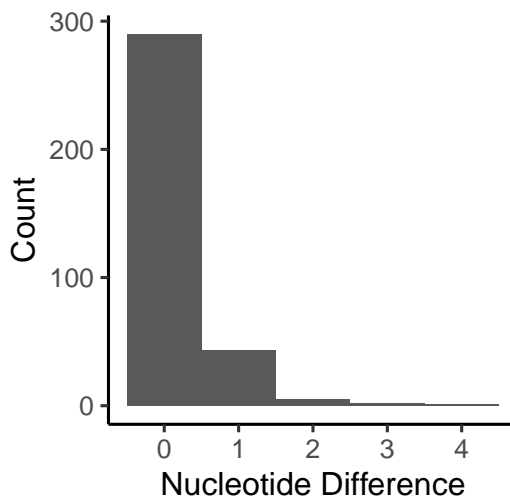
IGHV4-34*01

1205 sequences assigned
1026 (85.1%) exact matches, in which:
1003 unique CDR3
6 unique J



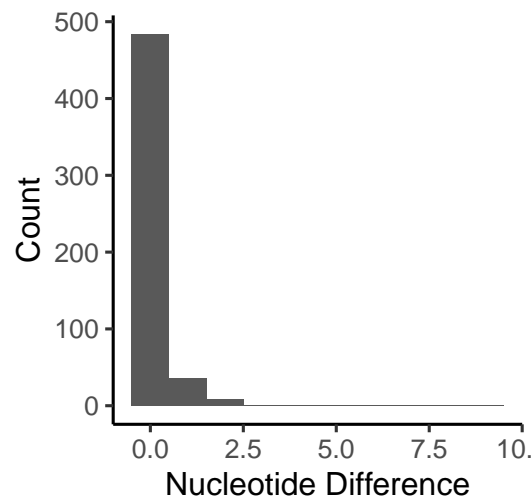
IGHV4-59*01

341 sequences assigned
290 (85%) exact matches, in which:
289 unique CDR3
6 unique J



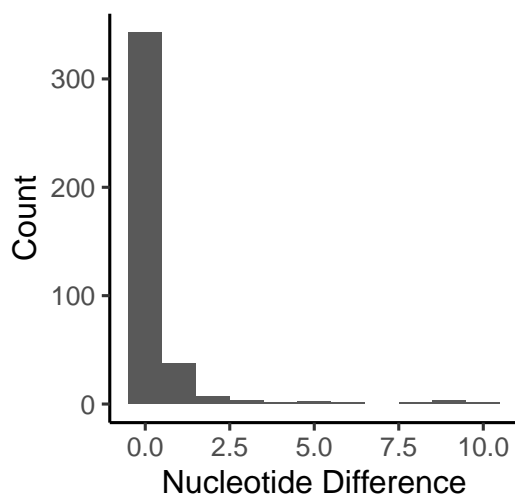
IGHV5-51*01

536 sequences assigned
484 (90.3%) exact matches, in which:
471 unique CDR3
6 unique J



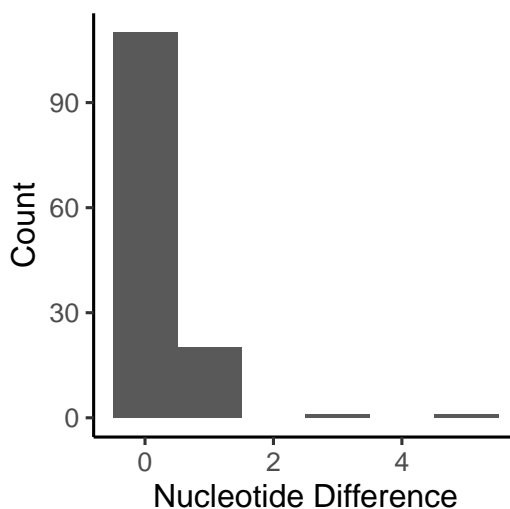
IGHV4-38-2*02_A70G

401 sequences assigned
343 (85.5%) exact matches, in which:
338 unique CDR3
6 unique J



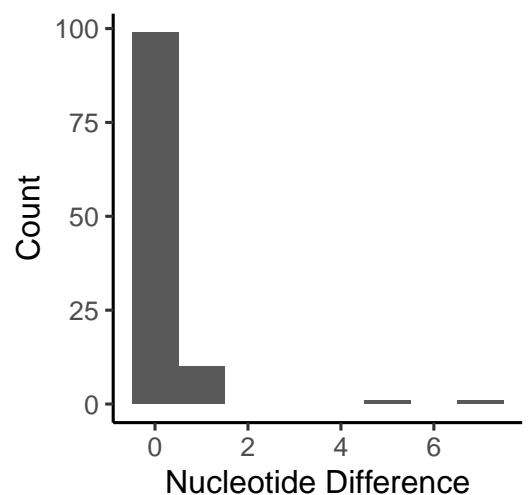
IGHV4-61*01

136 sequences assigned
110 (80.9%) exact matches, in which:
110 unique CDR3
6 unique J



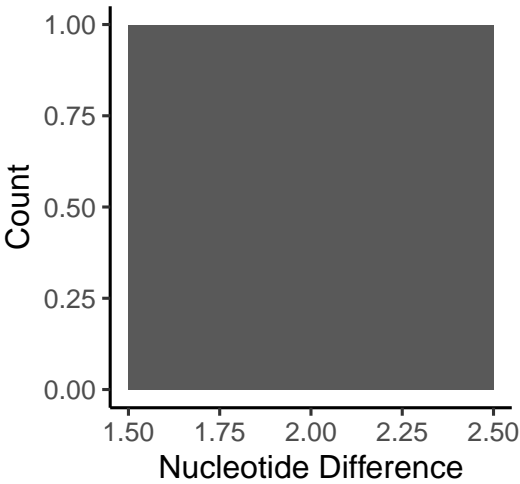
IGHV6-1*01

111 sequences assigned
99 (89.2%) exact matches, in which:
96 unique CDR3
5 unique J



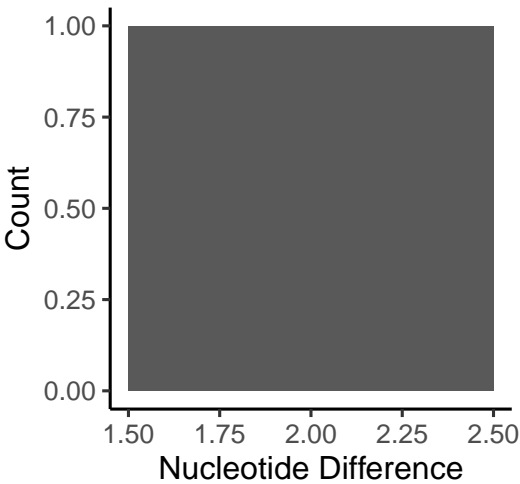
IGHV3/OR16-8*01

1 sequences assigned
No exact matches.



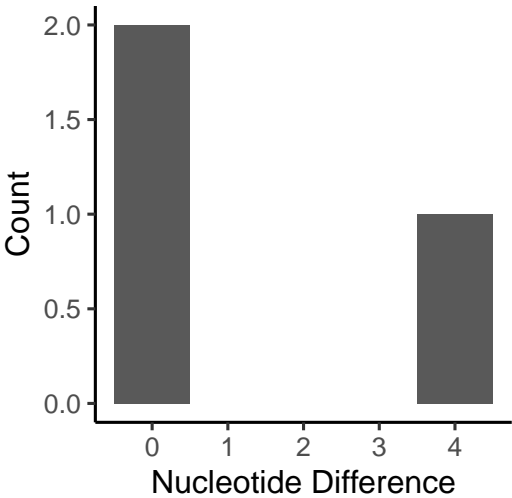
IGHV3/OR16-12*01

1 sequences assigned
No exact matches.



IGHV7-4-1*01

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





Warning – no inferred sequences found.