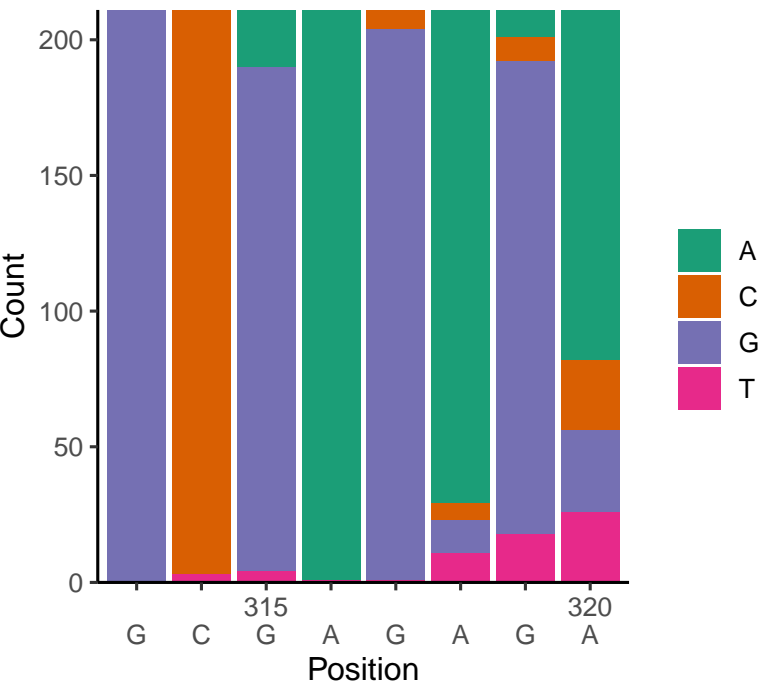
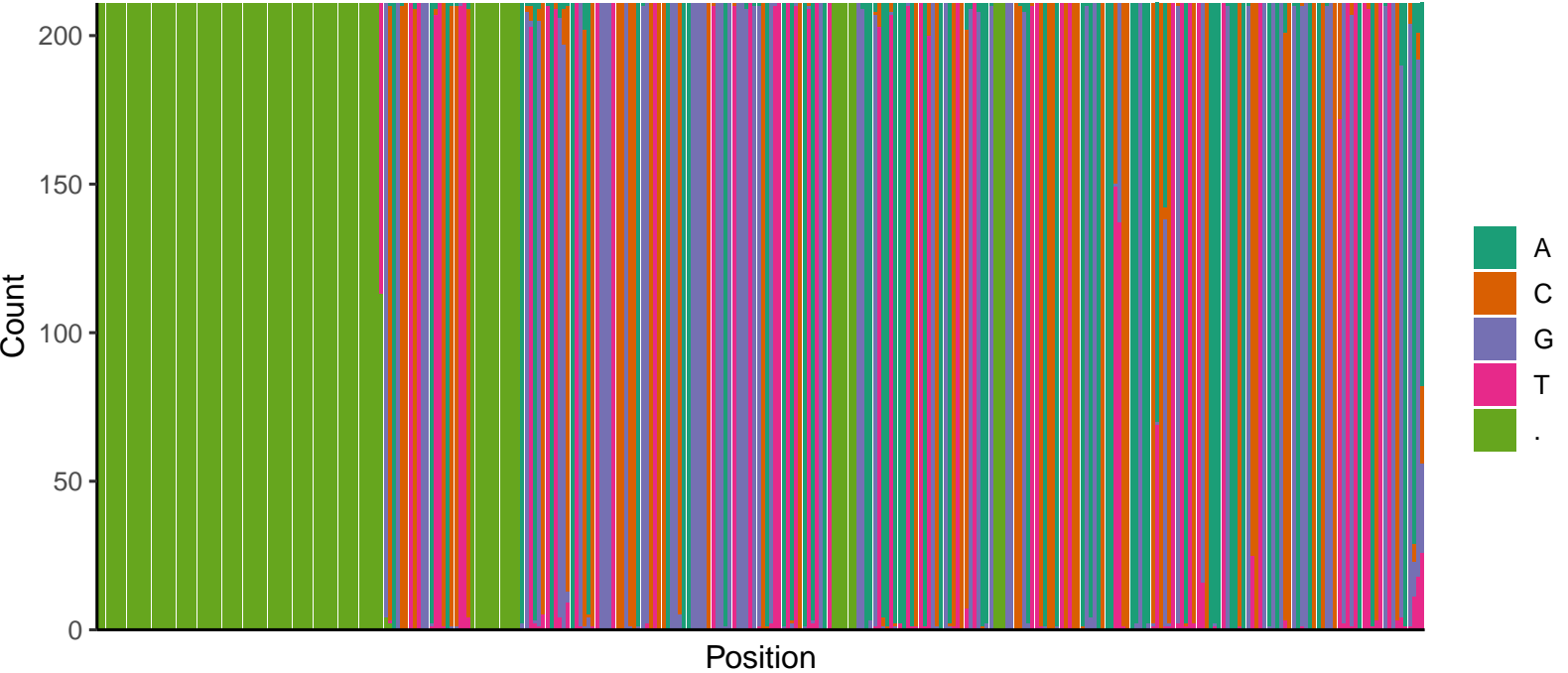


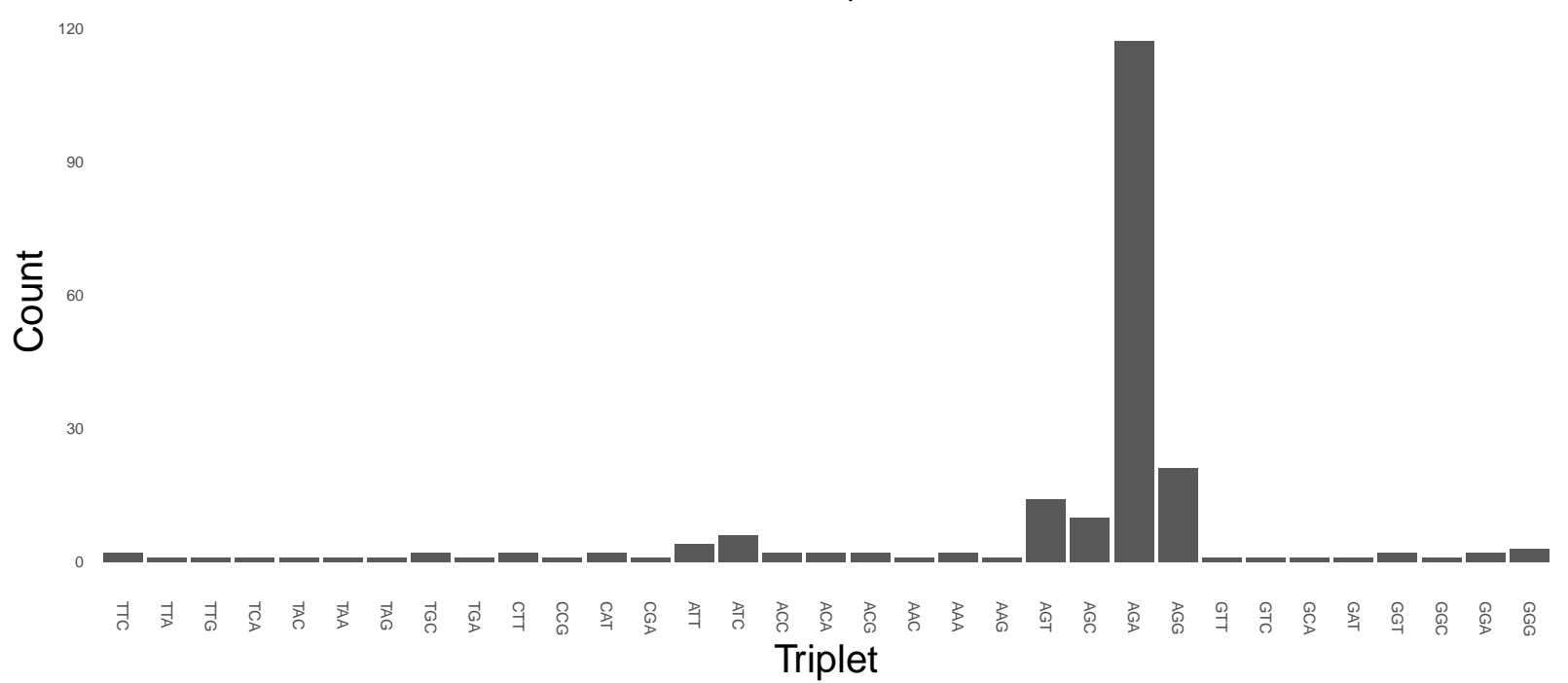
Gene IGHV3-30*03_T288C



Gene IGHV3-30*03_T288C

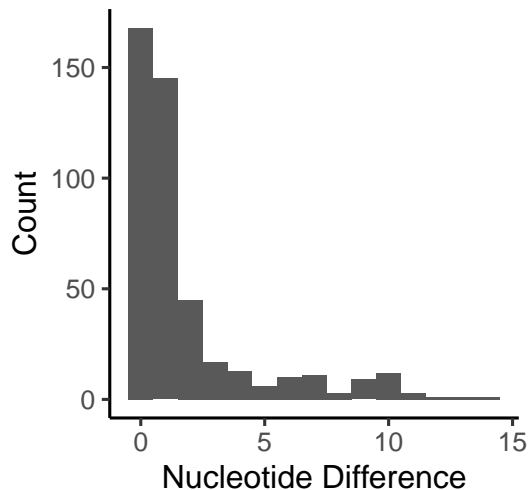


IGHV3-30*03_T288C- Final 3 nucleotides as a triplet



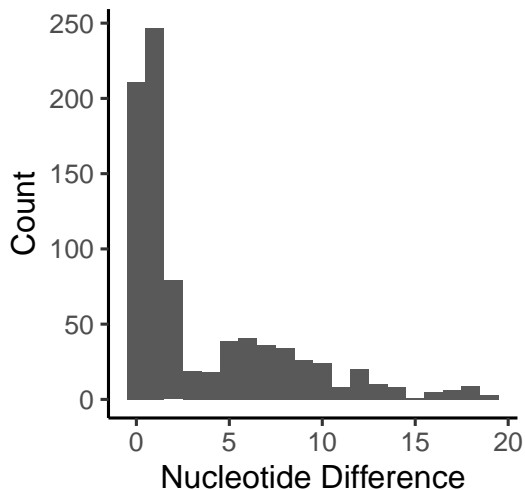
IGHV1-2*04

446 sequences assigned
168 (37.7%) exact matches, in which:
153 unique CDR3
5 unique J



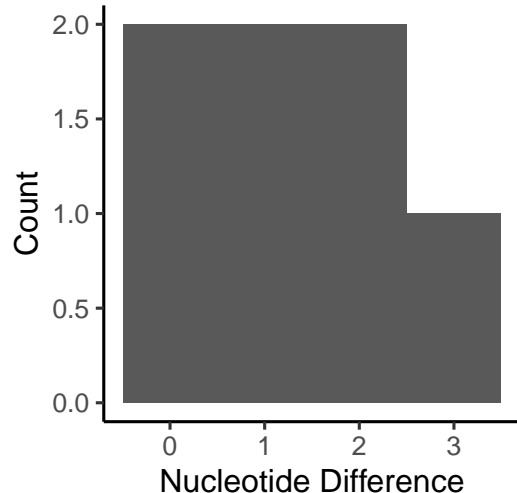
IGHV1-8*01

848 sequences assigned
211 (24.9%) exact matches, in which:
203 unique CDR3
6 unique J



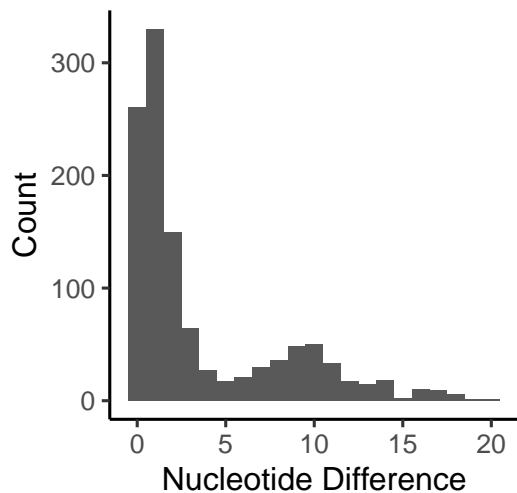
IGHV1-38-4*01

7 sequences assigned
2 (28.6%) exact matches, in which:
1 unique CDR3
1 unique J



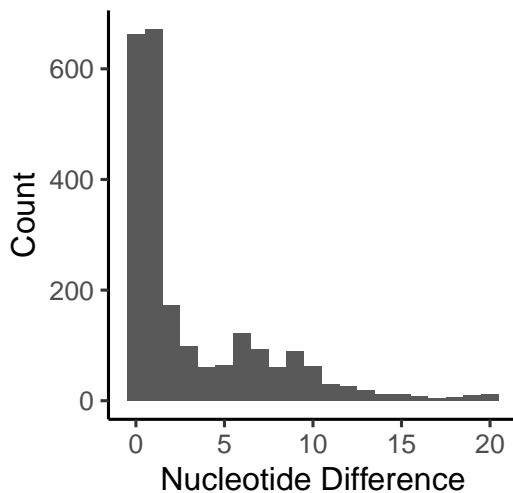
IGHV1-2*06

1169 sequences assigned
261 (22.3%) exact matches, in which:
240 unique CDR3
6 unique J



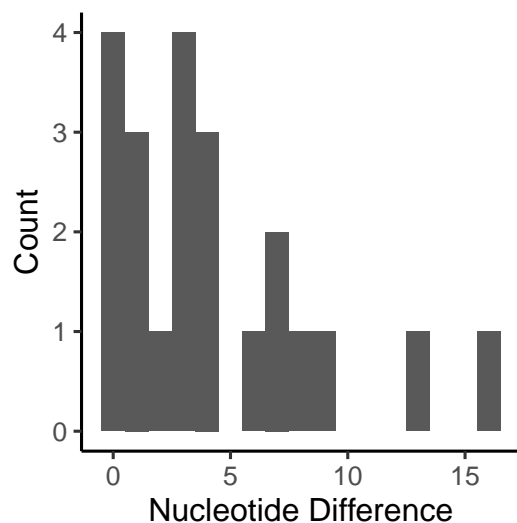
IGHV1-18*01

2347 sequences assigned
663 (28.2%) exact matches, in which:
595 unique CDR3
6 unique J



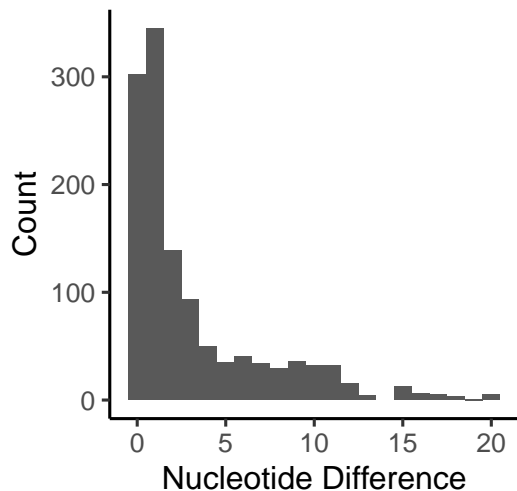
IGHV1-45*02

22 sequences assigned
4 (18.2%) exact matches, in which:
3 unique CDR3
1 unique J



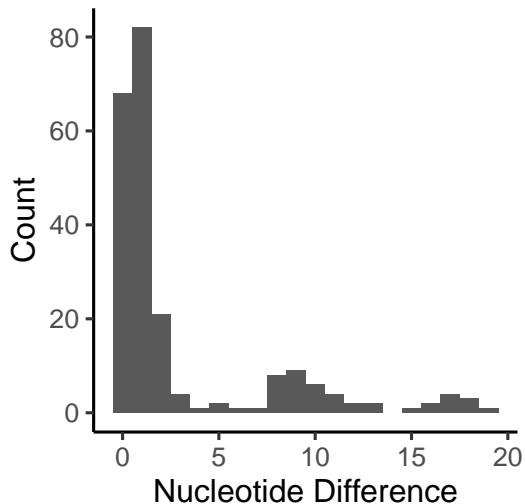
IGHV1-3*01_05

1233 sequences assigned
302 (24.5%) exact matches, in which:
268 unique CDR3
6 unique J



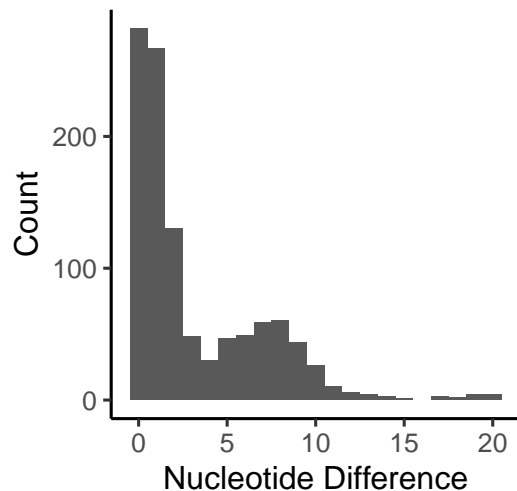
IGHV1-24*01

223 sequences assigned
68 (30.5%) exact matches, in which:
67 unique CDR3
4 unique J



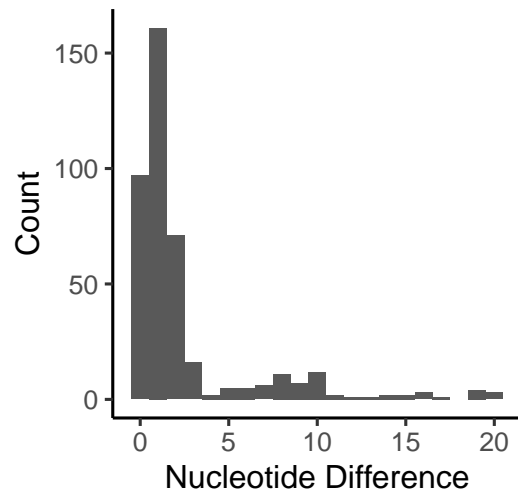
IGHV1-46*01

1086 sequences assigned
282 (26%) exact matches, in which:
260 unique CDR3
6 unique J



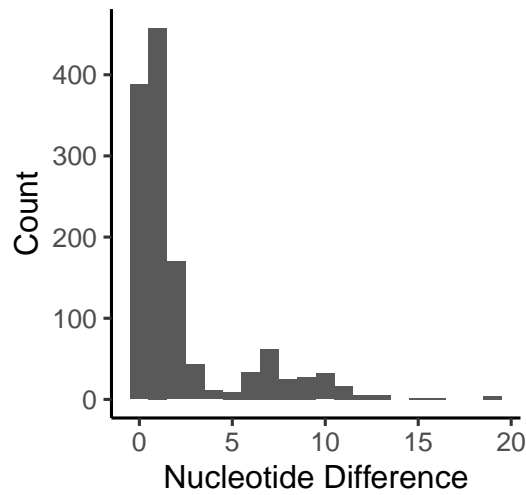
IGHV1-46*03

413 sequences assigned
97 (23.5%) exact matches, in which:
85 unique CDR3
4 unique J



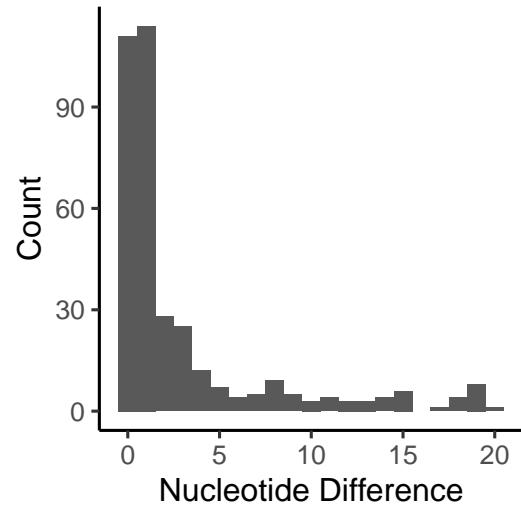
IGHV1-69*10

1301 sequences assigned
388 (29.8%) exact matches, in which:
368 unique CDR3
6 unique J



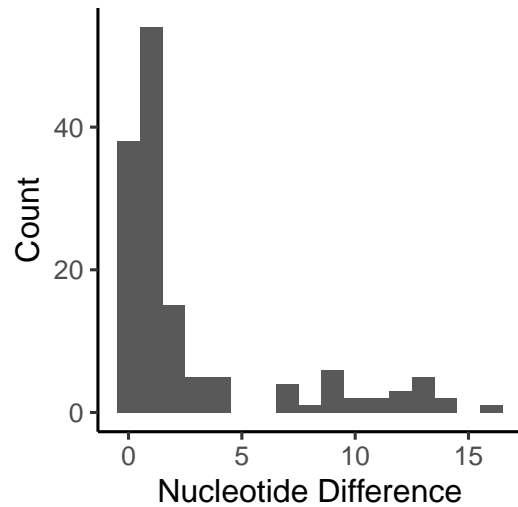
IGHV2-5*02

362 sequences assigned
111 (30.7%) exact matches, in which:
92 unique CDR3
6 unique J



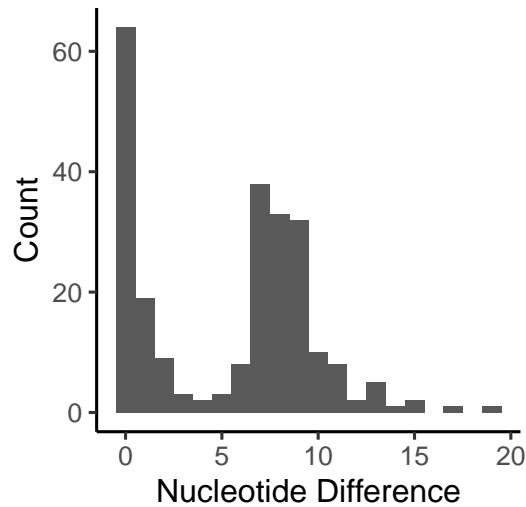
IGHV1-58*02

144 sequences assigned
38 (26.4%) exact matches, in which:
36 unique CDR3
4 unique J



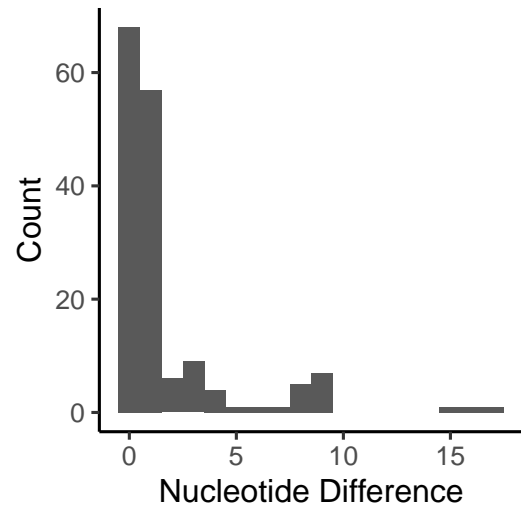
IGHV1-69*06_14

245 sequences assigned
64 (26.1%) exact matches, in which:
63 unique CDR3
5 unique J



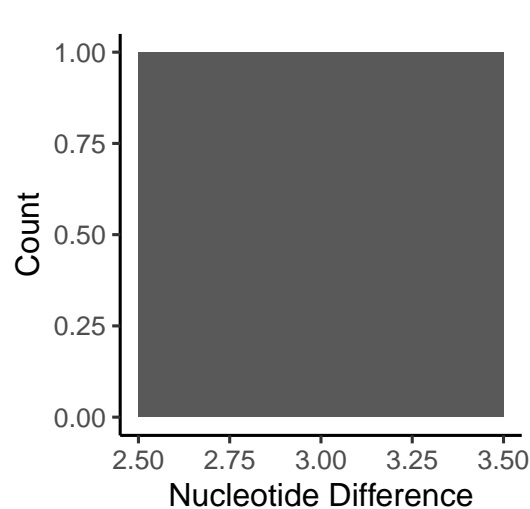
IGHV2-26*01

164 sequences assigned
68 (41.5%) exact matches, in which:
54 unique CDR3
4 unique J



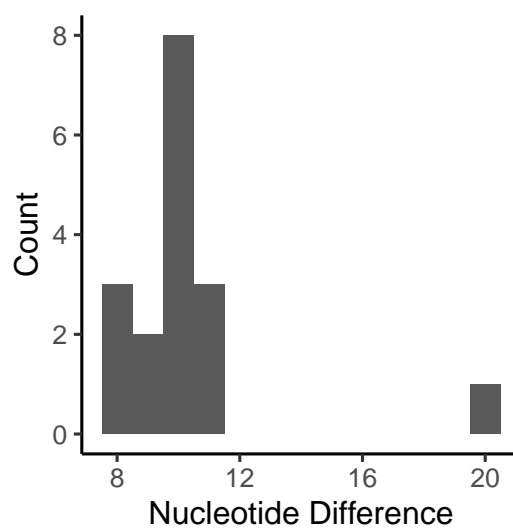
IGHV1-68*01

1 sequences assigned
No exact matches.



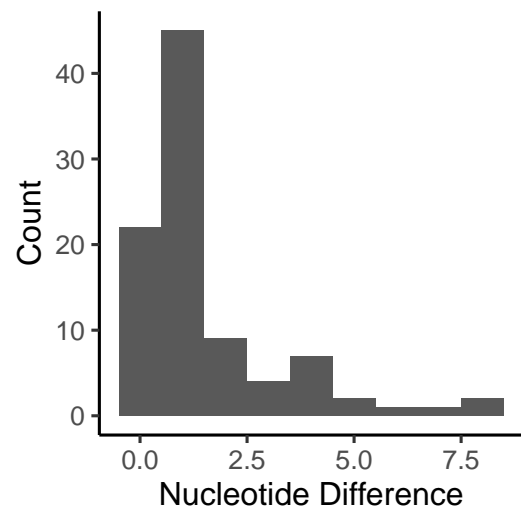
IGHV1-NL1*01

17 sequences assigned
No exact matches.



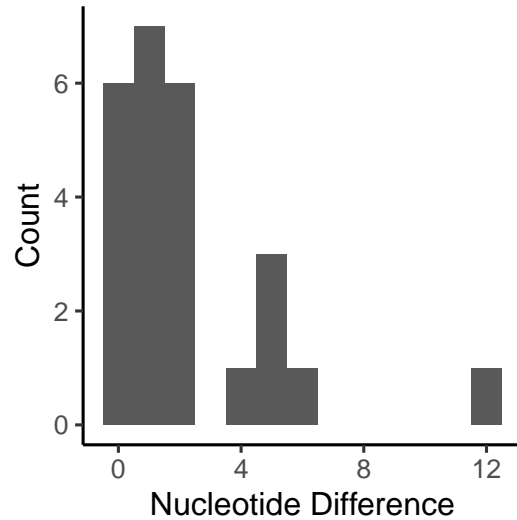
IGHV2-70*01

93 sequences assigned
22 (23.7%) exact matches, in which:
19 unique CDR3
3 unique J



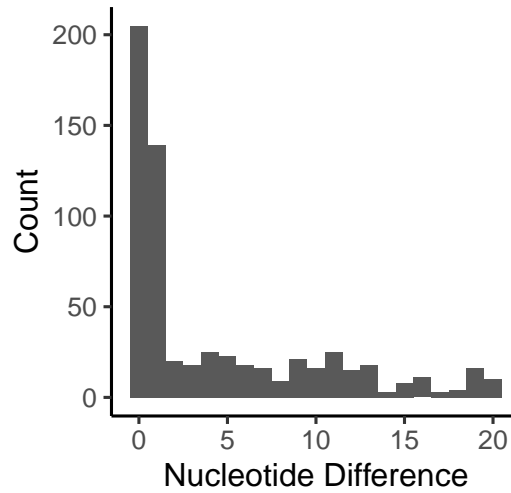
IGHV2-70*12

25 sequences assigned
6 (24%) exact matches, in which:
6 unique CDR3
3 unique J



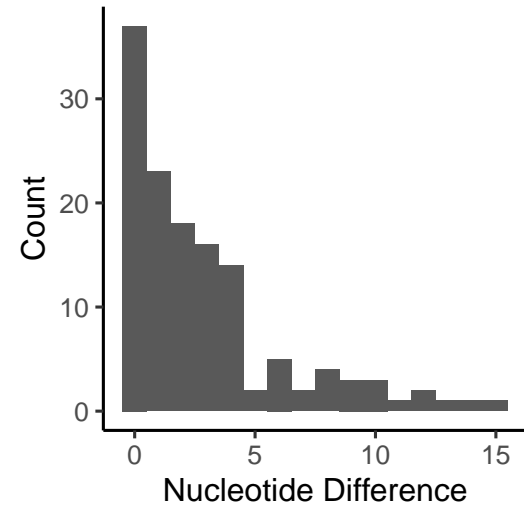
IGHV3-7*03

697 sequences assigned
205 (29.4%) exact matches, in which:
148 unique CDR3
5 unique J



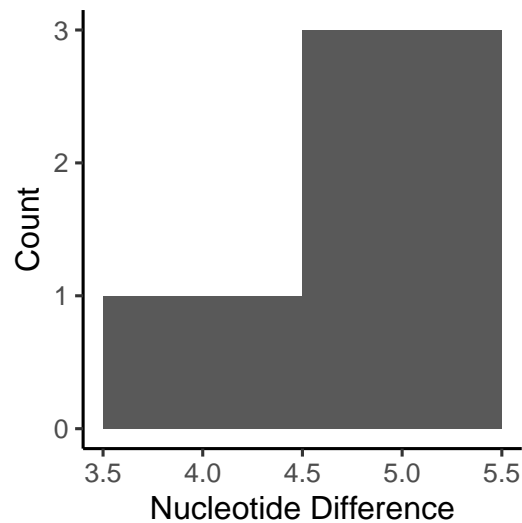
IGHV3-11*04

134 sequences assigned
37 (27.6%) exact matches, in which:
36 unique CDR3
5 unique J



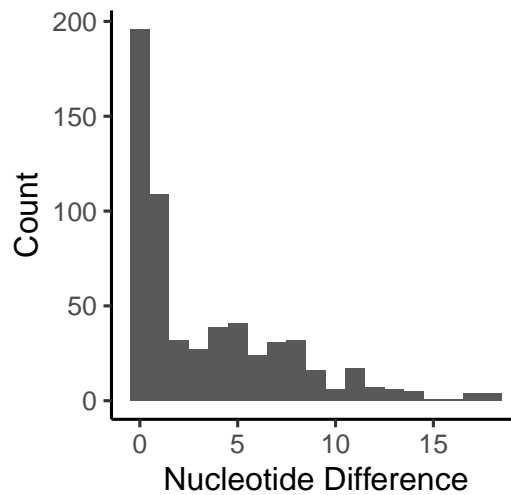
IGHV2-70D*04

4 sequences assigned
No exact matches.



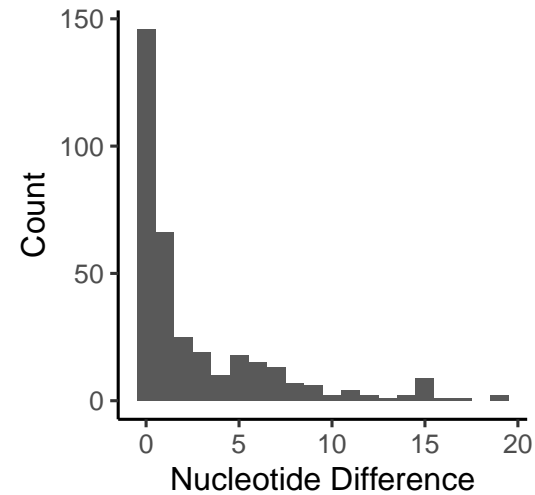
IGHV3-9*01

607 sequences assigned
196 (32.3%) exact matches, in which:
129 unique CDR3
4 unique J



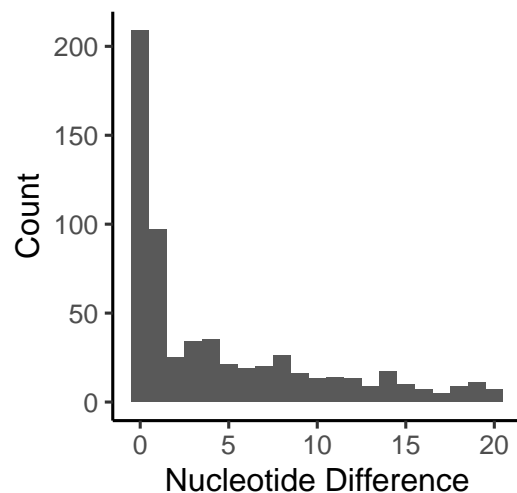
IGHV3-11*06

353 sequences assigned
146 (41.4%) exact matches, in which:
104 unique CDR3
5 unique J



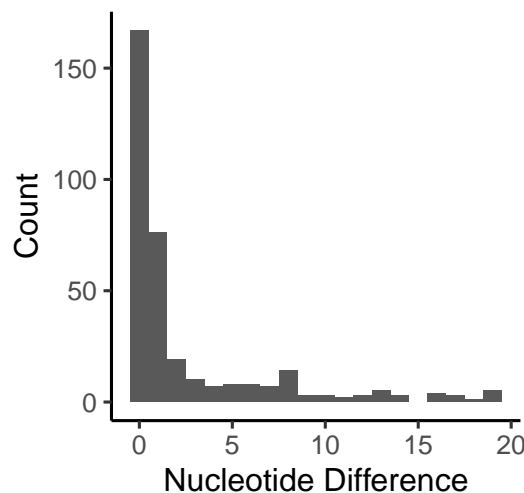
IGHV3-7*01

657 sequences assigned
209 (31.8%) exact matches, in which:
167 unique CDR3
5 unique J



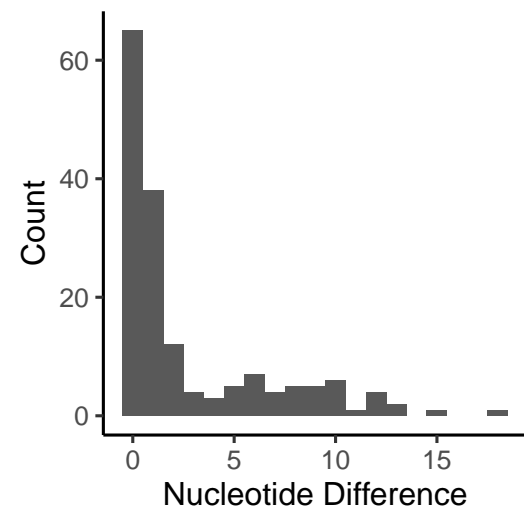
IGHV3-11*01

355 sequences assigned
167 (47%) exact matches, in which:
125 unique CDR3
6 unique J



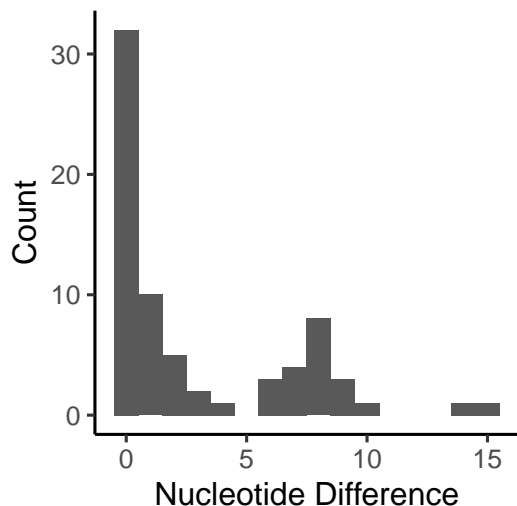
IGHV3-13*01

163 sequences assigned
65 (39.9%) exact matches, in which:
50 unique CDR3
5 unique J



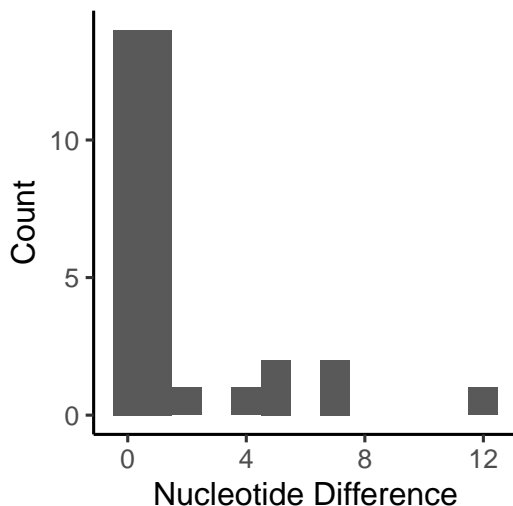
IGHV3-13*05

71 sequences assigned
32 (45.1%) exact matches, in which:
30 unique CDR3
6 unique J



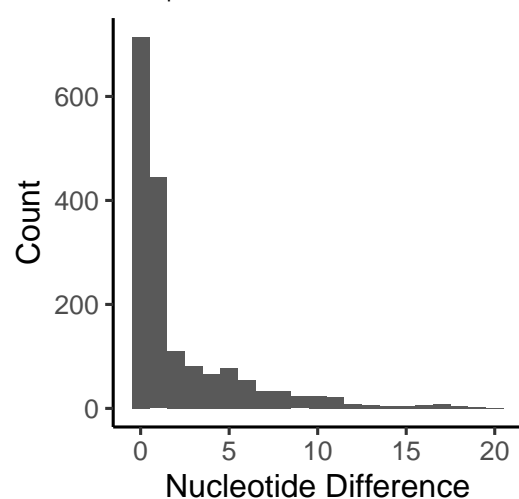
IGHV3-20*01_02

35 sequences assigned
14 (40%) exact matches, in which:
11 unique CDR3
4 unique J



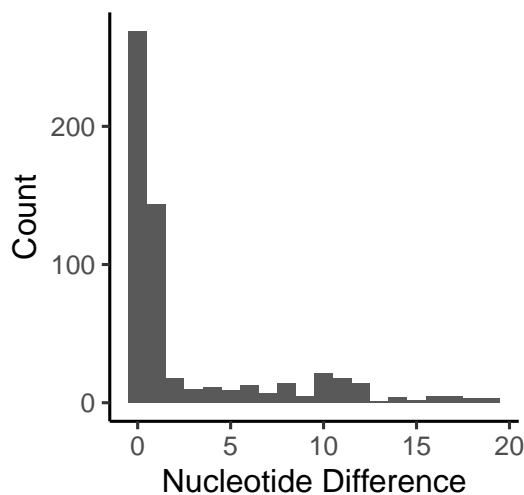
IGHV3-21*01_02

1743 sequences assigned
715 (41%) exact matches, in which:
468 unique CDR3
6 unique J



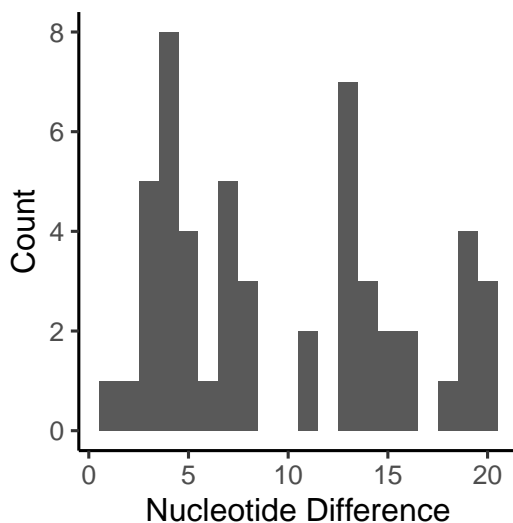
IGHV3-15*01_02

616 sequences assigned
269 (43.7%) exact matches, in which:
168 unique CDR3
6 unique J



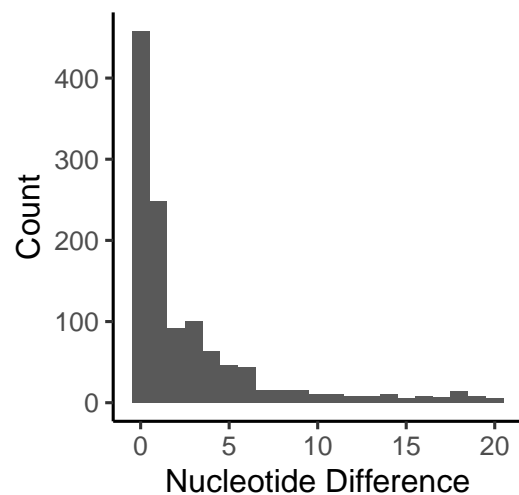
IGHV3-20*03_04

55 sequences assigned
No exact matches.



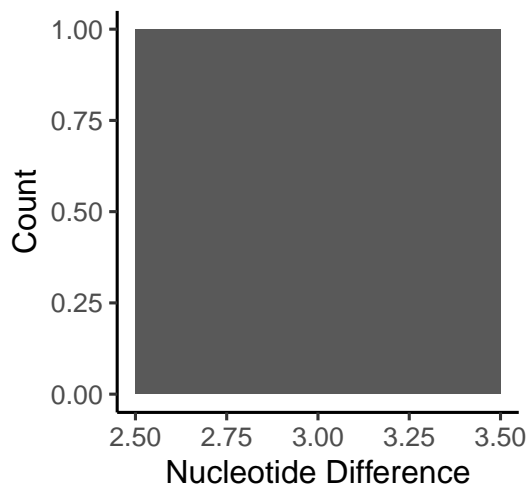
IGHV3-30-3*01

1220 sequences assigned
458 (37.5%) exact matches, in which:
318 unique CDR3
6 unique J



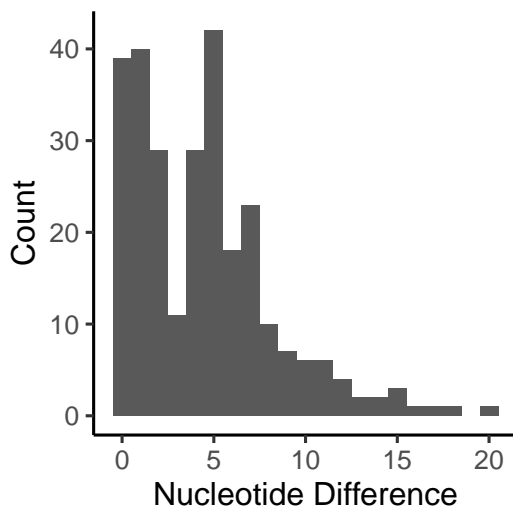
IGHV3-19*01

1 sequences assigned
No exact matches.



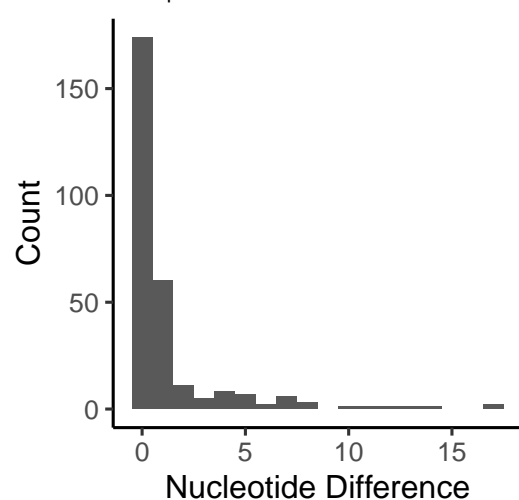
IGHV3-21*04

275 sequences assigned
39 (14.2%) exact matches, in which:
39 unique CDR3
5 unique J



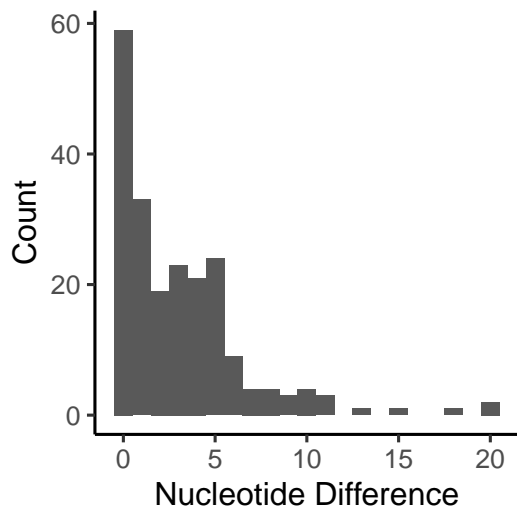
IGHV3-30*03

288 sequences assigned
174 (60.4%) exact matches, in which:
165 unique CDR3
6 unique J



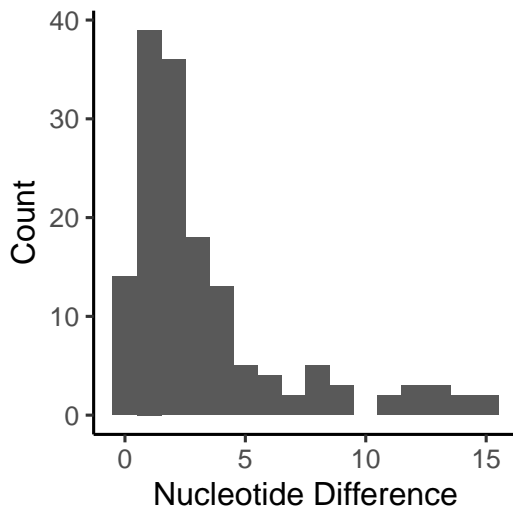
IGHV3-30*03_T288C

211 sequences assigned
59 (28%) exact matches, in which:
57 unique CDR3
6 unique J



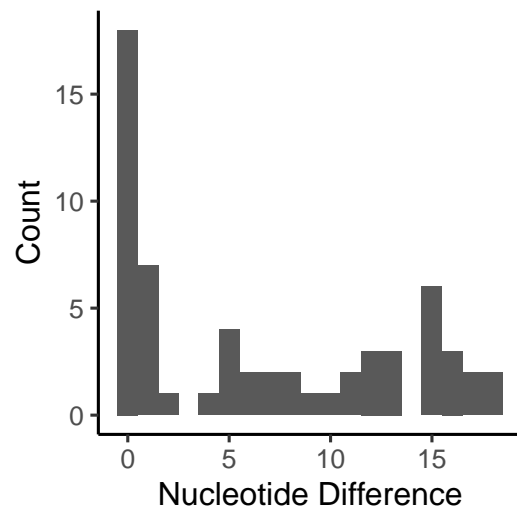
IGHV3-33*06

151 sequences assigned
14 (9.3%) exact matches, in which:
13 unique CDR3
3 unique J



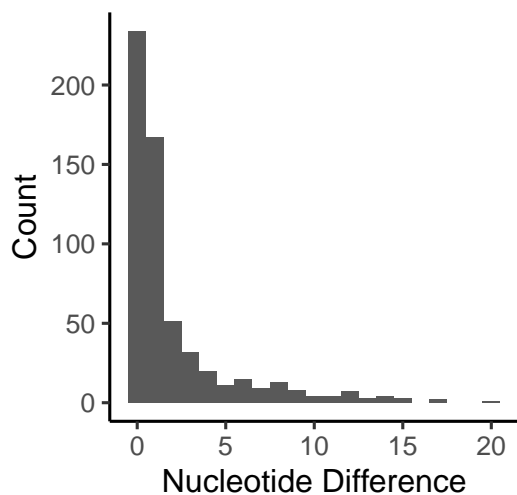
IGHV3-43*01

63 sequences assigned
18 (28.6%) exact matches, in which:
12 unique CDR3
3 unique J



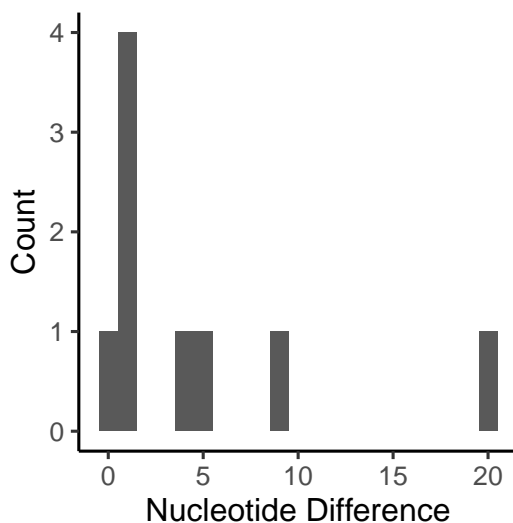
IGHV3-33*01

589 sequences assigned
234 (39.7%) exact matches, in which:
172 unique CDR3
6 unique J



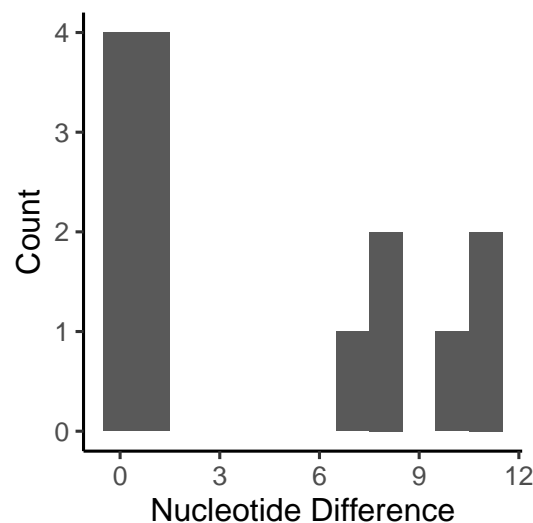
IGHV3-35*01

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
0 unique J



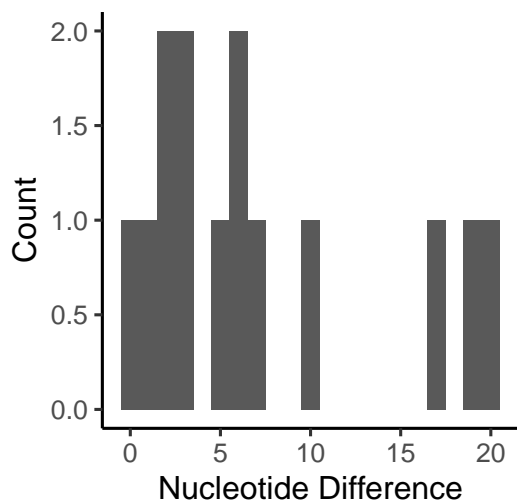
IGHV3-47*02

14 sequences assigned
4 (28.6%) exact matches, in which:
3 unique CDR3
2 unique J



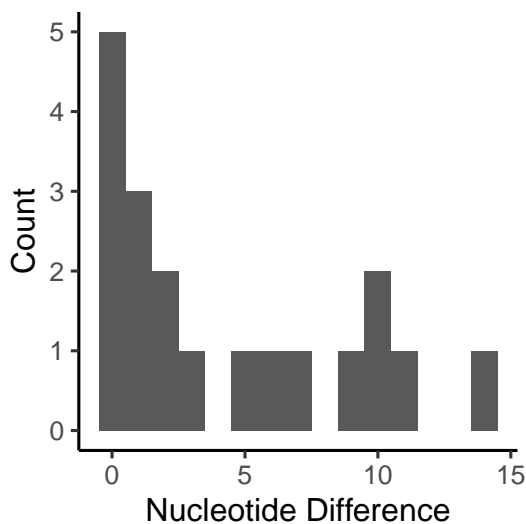
IGHV3-33*05

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J



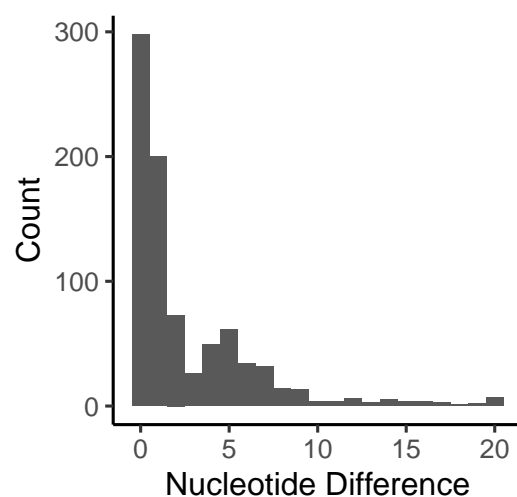
IGHV3-38-3*01

19 sequences assigned
5 (26.3%) exact matches, in which:
5 unique CDR3
3 unique J



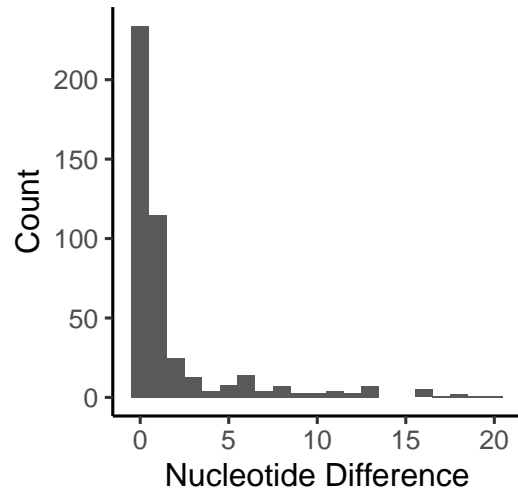
IGHV3-48*01

863 sequences assigned
298 (34.5%) exact matches, in which:
219 unique CDR3
5 unique J



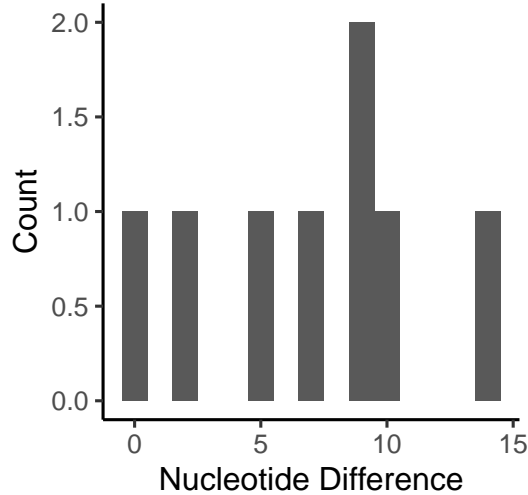
IGHV3-48*02

455 sequences assigned
234 (51.4%) exact matches, in which:
157 unique CDR3
5 unique J



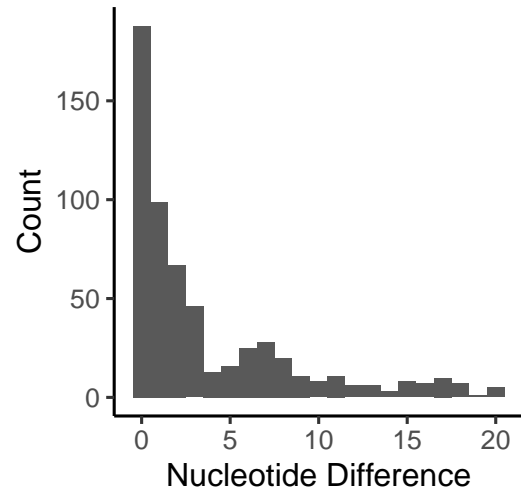
IGHV3-52*02

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



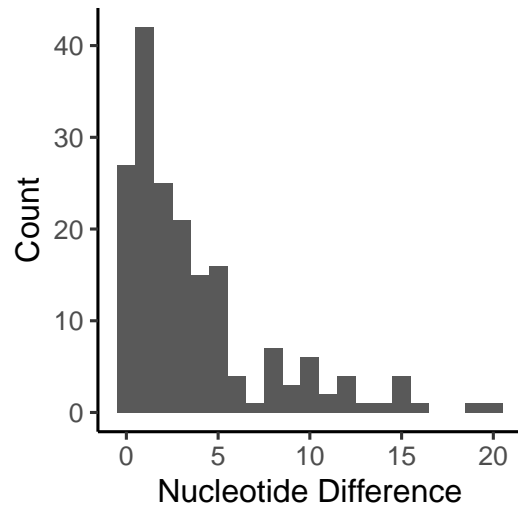
IGHV3-53*01_02

620 sequences assigned
188 (30.3%) exact matches, in which:
140 unique CDR3
6 unique J



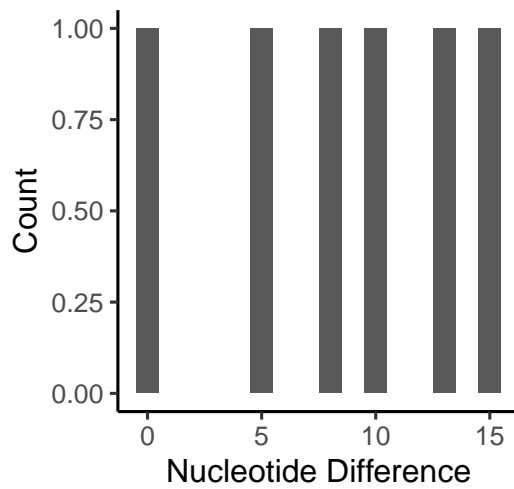
IGHV3-48*04

186 sequences assigned
27 (14.5%) exact matches, in which:
26 unique CDR3
3 unique J



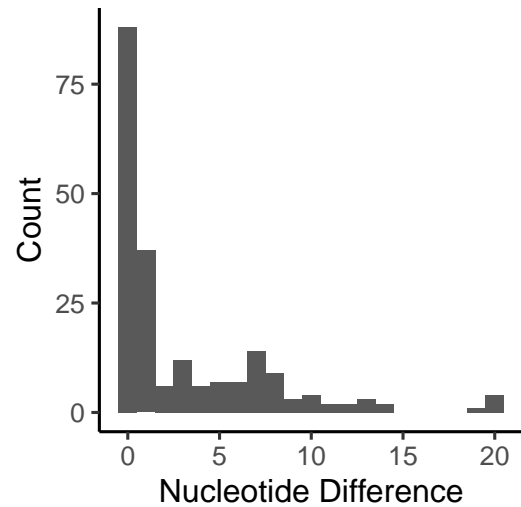
IGHV3-52*01_03

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



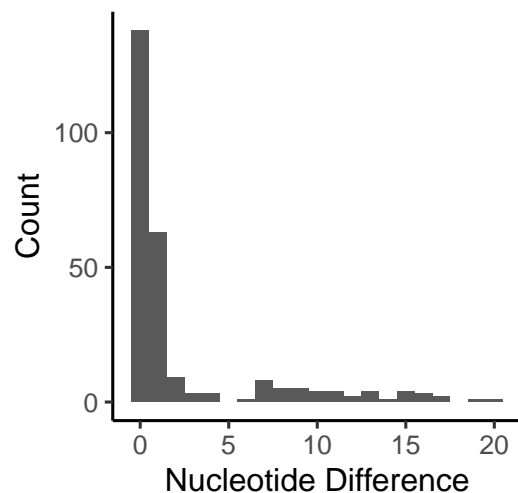
IGHV3-64*01

213 sequences assigned
88 (41.3%) exact matches, in which:
56 unique CDR3
4 unique J



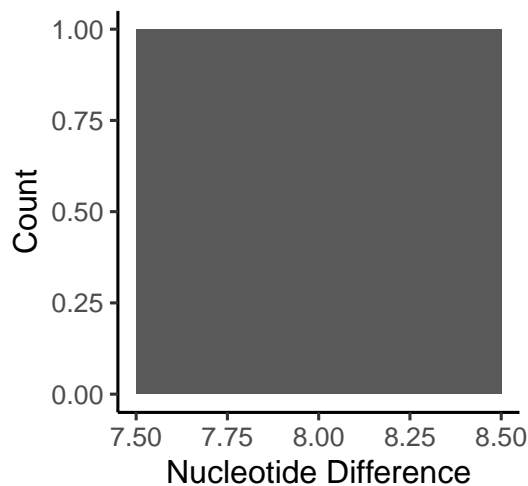
IGHV3-49*03_05

270 sequences assigned
138 (51.1%) exact matches, in which:
94 unique CDR3
6 unique J



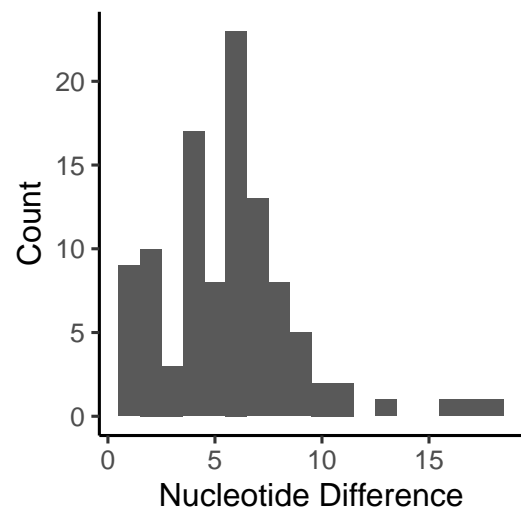
IGHV3-53*05

1 sequences assigned
No exact matches.



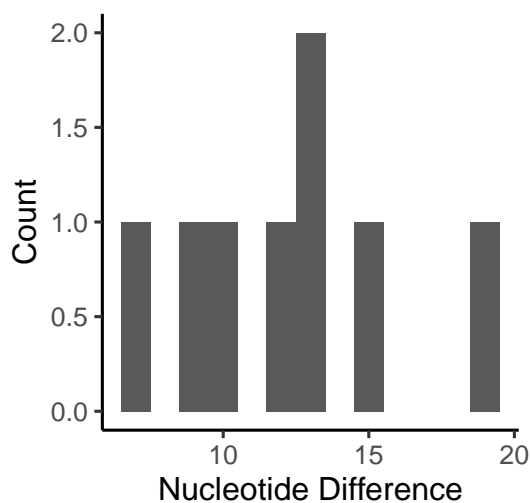
IGHV3-64*04

107 sequences assigned
No exact matches.



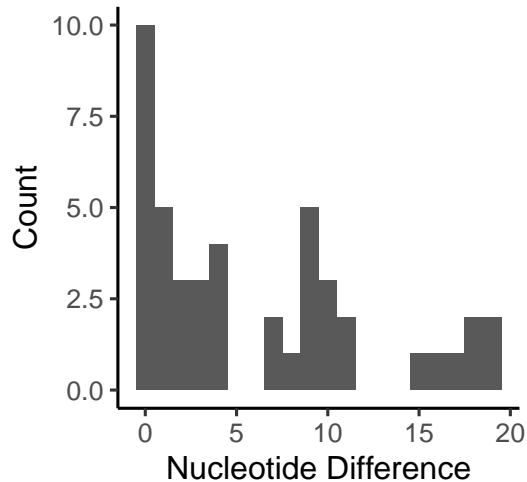
IGHV3-66*01

8 sequences assigned
No exact matches.



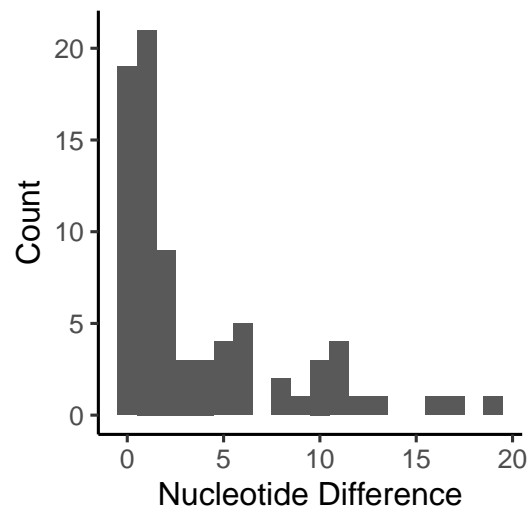
IGHV3-72*01

56 sequences assigned
10 (17.9%) exact matches, in which:
7 unique CDR3
2 unique J



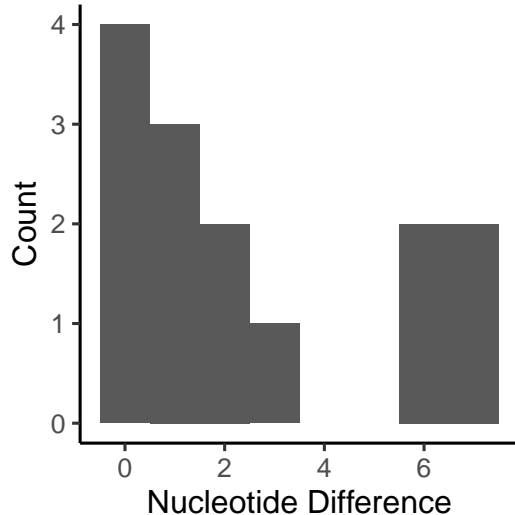
IGHV3-43D*03

90 sequences assigned
19 (21.1%) exact matches, in which:
13 unique CDR3
3 unique J



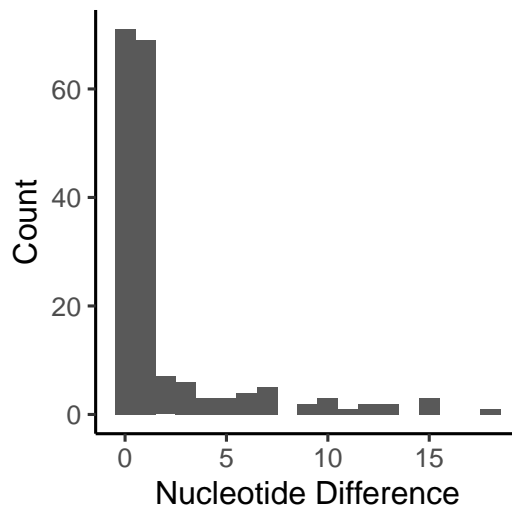
IGHV3-66*03

14 sequences assigned
4 (28.6%) exact matches, in which:
4 unique CDR3
3 unique J



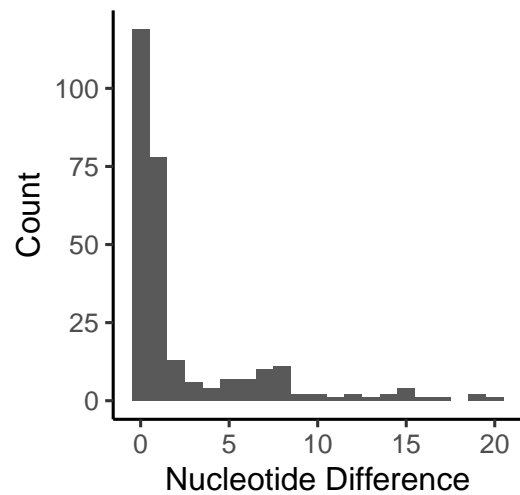
IGHV3-73*01_02

183 sequences assigned
71 (38.8%) exact matches, in which:
46 unique CDR3
5 unique J



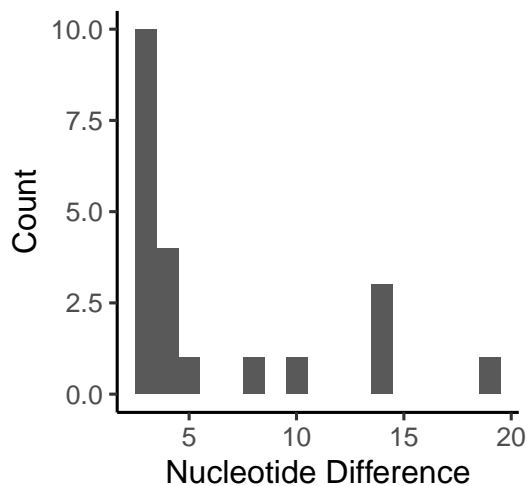
IGHV3-64D*06

303 sequences assigned
119 (39.3%) exact matches, in which:
68 unique CDR3
5 unique J



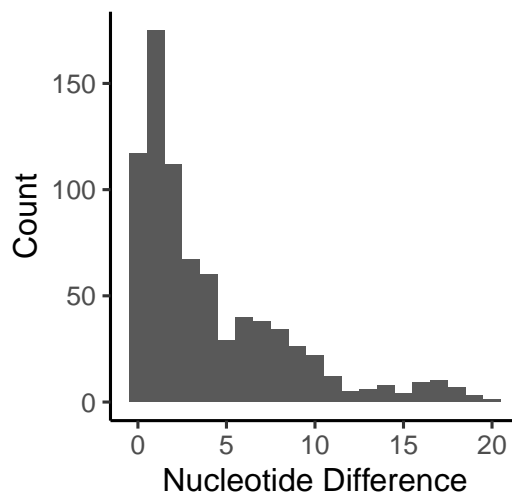
IGHV3-69-1*01

21 sequences assigned
No exact matches.



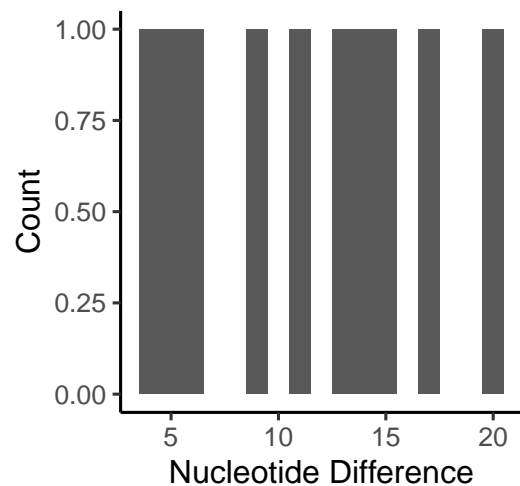
IGHV3-74*01_02

871 sequences assigned
117 (13.4%) exact matches, in which:
81 unique CDR3
5 unique J



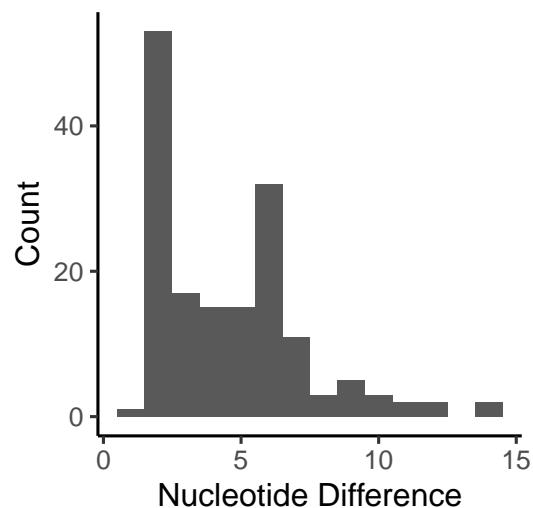
IGHV3-NL1*01

11 sequences assigned
No exact matches.



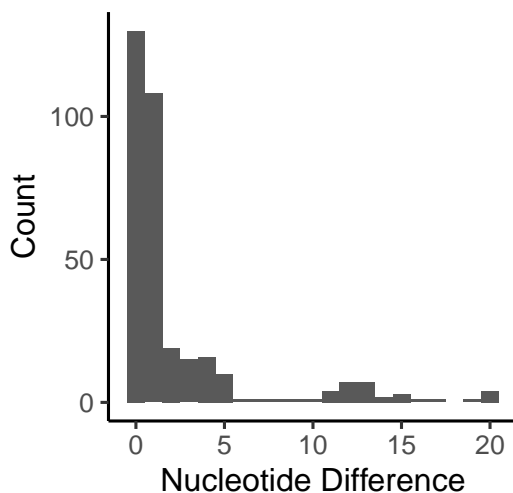
IGHV4-4*07

168 sequences assigned
No exact matches.



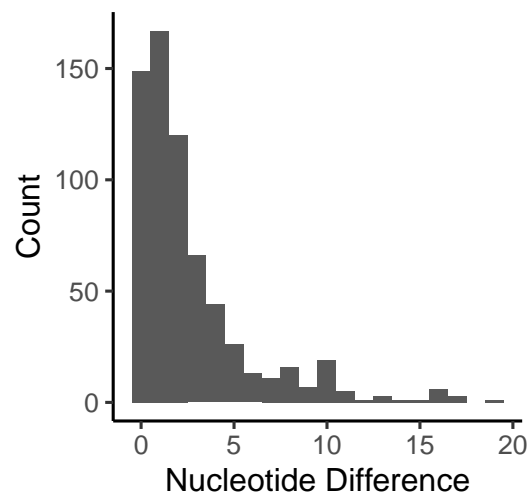
IGHV4-30-4*01

337 sequences assigned
130 (38.6%) exact matches, in which:
106 unique CDR3
5 unique J



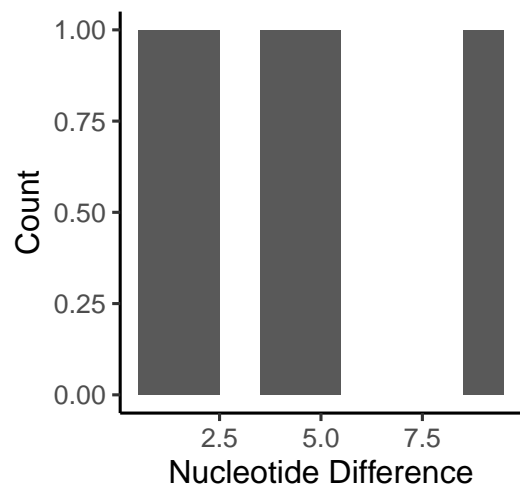
IGHV4-38-2*02

676 sequences assigned
149 (22%) exact matches, in which:
135 unique CDR3
6 unique J



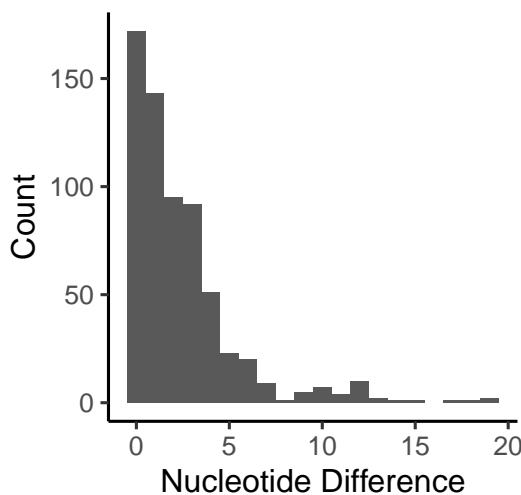
IGHV4-28*03

5 sequences assigned
No exact matches.



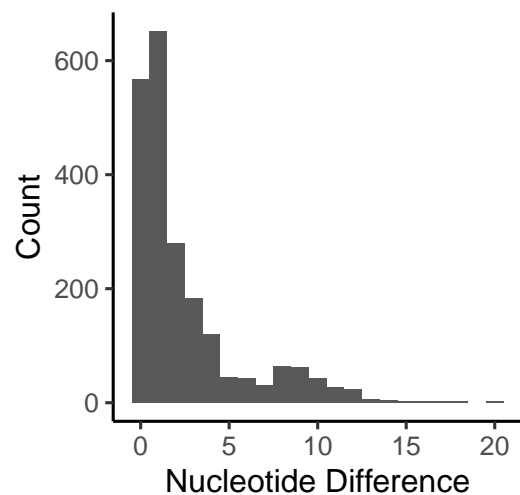
IGHV4-31*03_04

642 sequences assigned
172 (26.8%) exact matches, in which:
140 unique CDR3
6 unique J



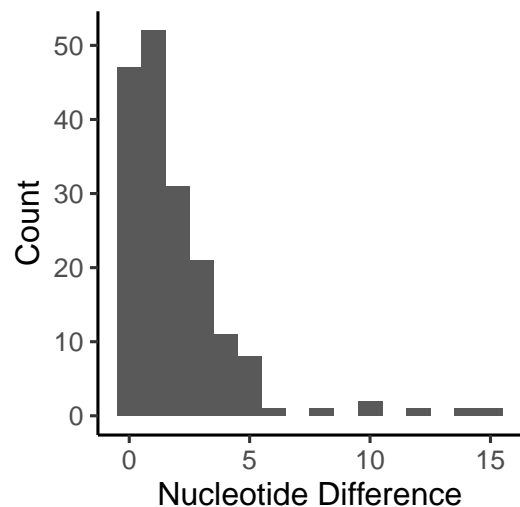
IGHV4-39*07

2193 sequences assigned
567 (25.9%) exact matches, in which:
477 unique CDR3
6 unique J



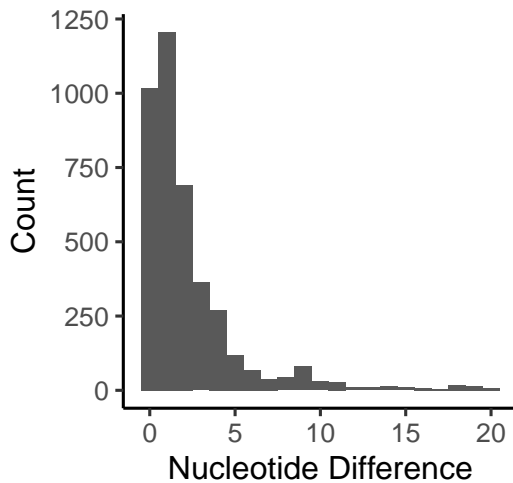
IGHV4-30-2*01

179 sequences assigned
47 (26.3%) exact matches, in which:
35 unique CDR3
4 unique J



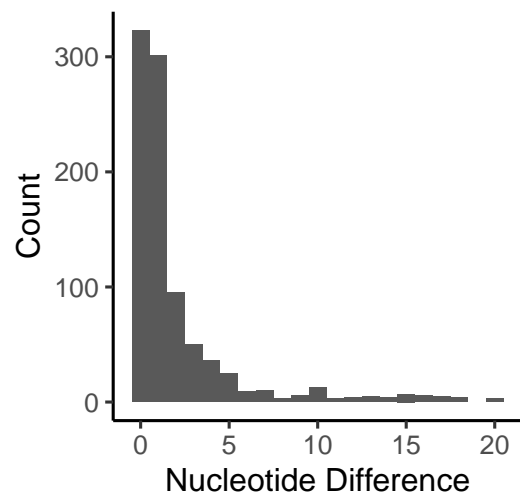
IGHV4-34*01_02

4061 sequences assigned
1018 (25.1%) exact matches, in which:
750 unique CDR3
6 unique J



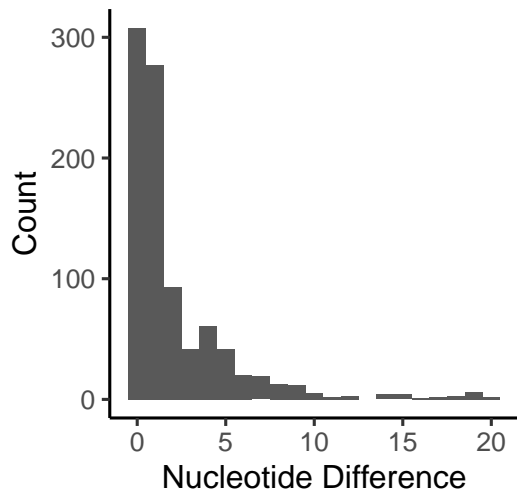
IGHV4-39*01_05

916 sequences assigned
323 (35.3%) exact matches, in which:
267 unique CDR3
6 unique J



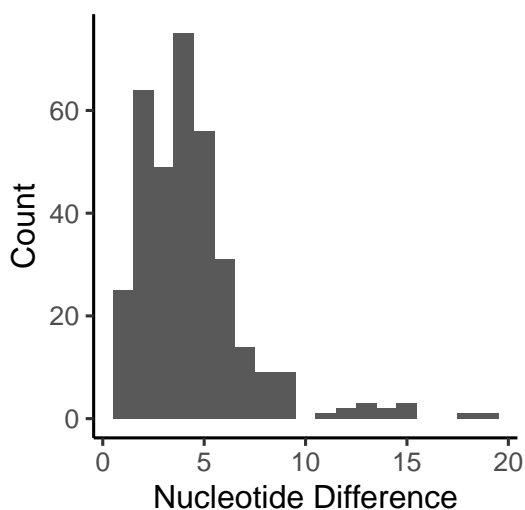
IGHV4–59*08

938 sequences assigned
308 (32.8%) exact matches, in which:
269 unique CDR3
6 unique J



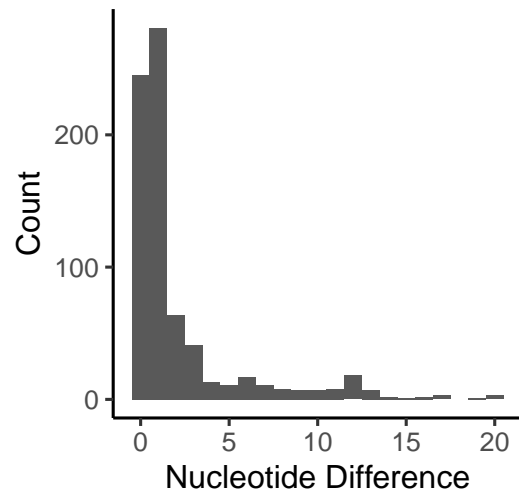
IGHV4–61*01

347 sequences assigned
No exact matches.



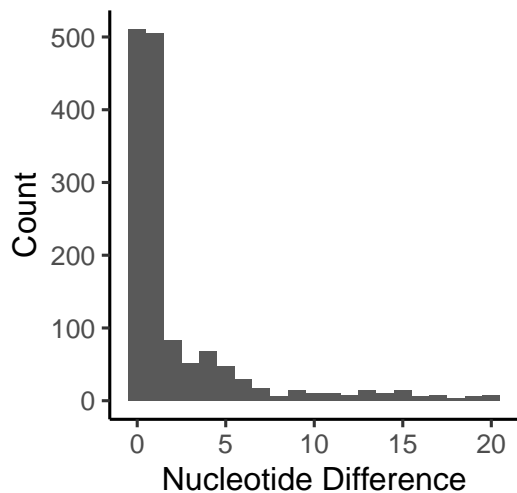
IGHV5–51*01_03

755 sequences assigned
245 (32.5%) exact matches, in which:
173 unique CDR3
5 unique J



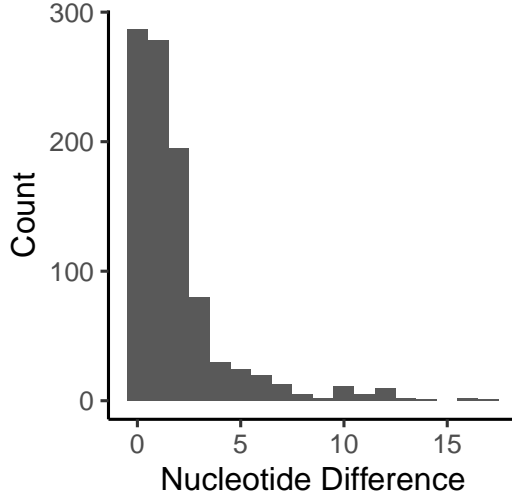
IGHV4–59*01_07

1487 sequences assigned
511 (34.4%) exact matches, in which:
457 unique CDR3
6 unique J



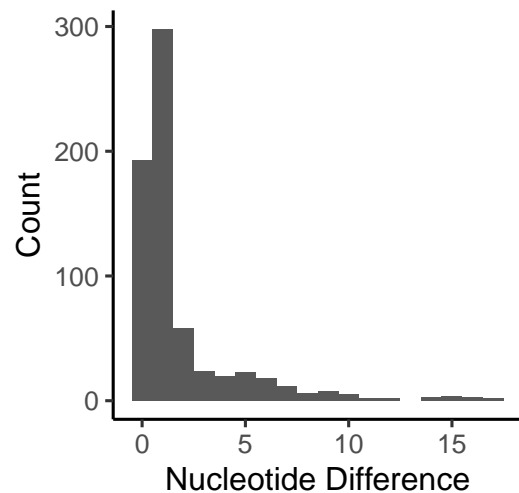
IGHV4–61*02

984 sequences assigned
287 (29.2%) exact matches, in which:
264 unique CDR3
6 unique J



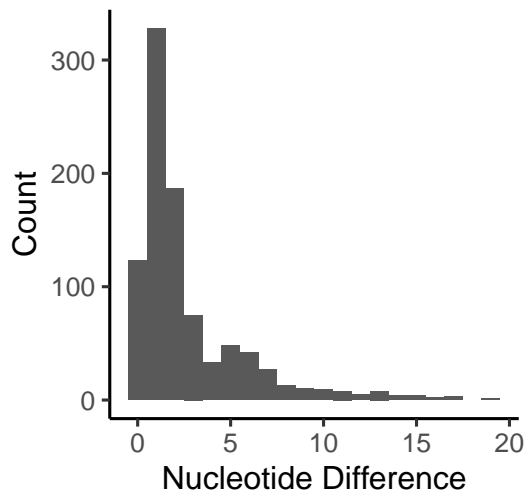
IGHV6–1*01_02

681 sequences assigned
193 (28.3%) exact matches, in which:
175 unique CDR3
5 unique J



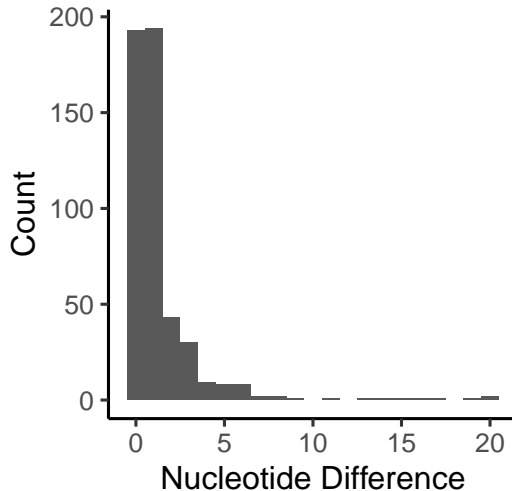
IGHV4–59*12

943 sequences assigned
123 (13%) exact matches, in which:
121 unique CDR3
6 unique J



IGHV5–10–1*01_03

500 sequences assigned
193 (38.6%) exact matches, in which:
133 unique CDR3
5 unique J



IGHV7–4–1*02

424 sequences assigned
105 (24.8%) exact matches, in which:
95 unique CDR3
6 unique J

