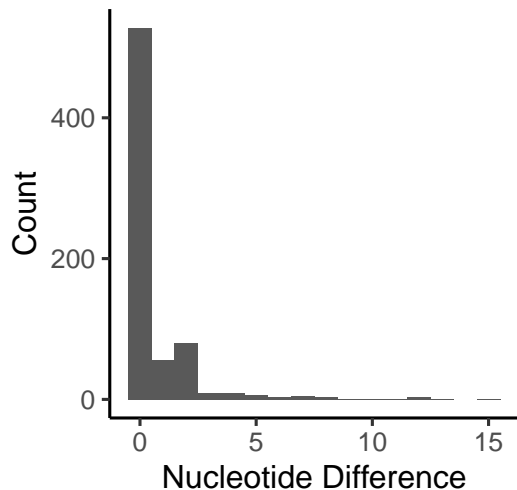


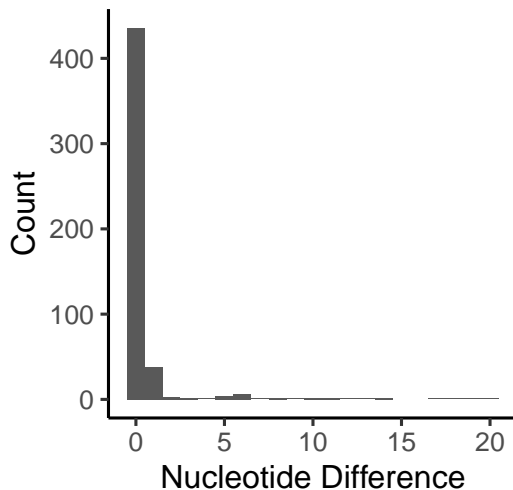
IGHV1-2*06

708 sequences assigned
528 (74.6%) exact matches, in which:
504 unique CDR3
7 unique J



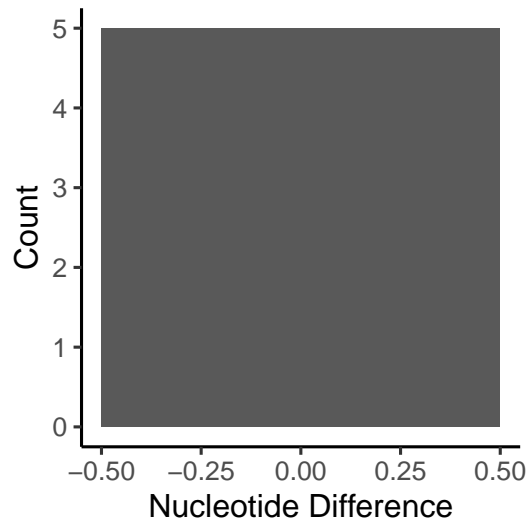
IGHV1-18*01

509 sequences assigned
436 (85.7%) exact matches, in which:
423 unique CDR3
6 unique J



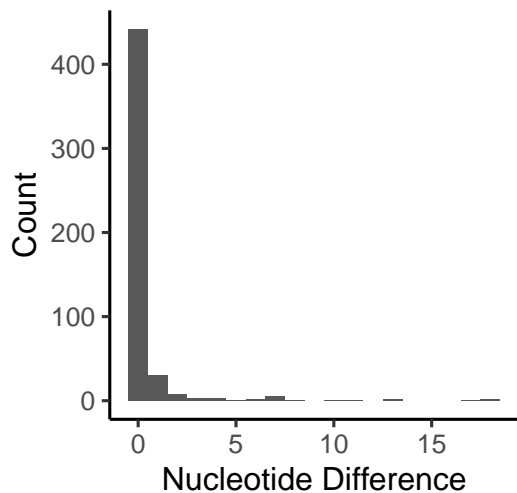
IGHV1-45*02

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



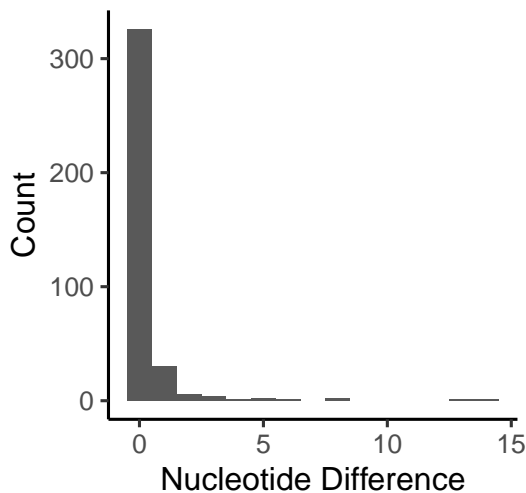
IGHV1-3*01

504 sequences assigned
442 (87.7%) exact matches, in which:
431 unique CDR3
7 unique J



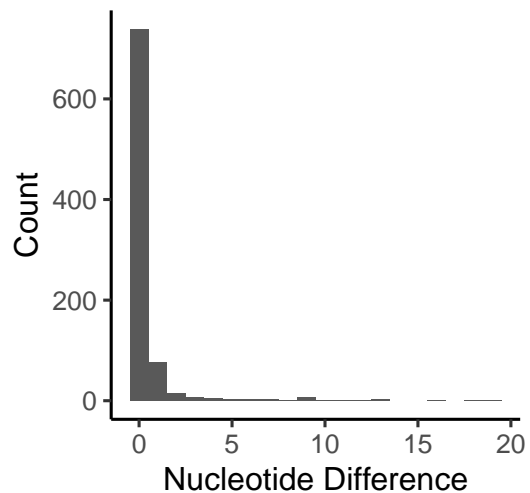
IGHV1-18*04

374 sequences assigned
326 (87.2%) exact matches, in which:
314 unique CDR3
6 unique J



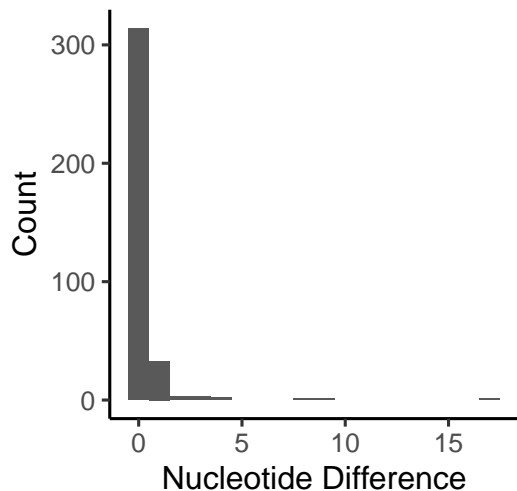
IGHV1-46*01

865 sequences assigned
739 (85.4%) exact matches, in which:
711 unique CDR3
7 unique J



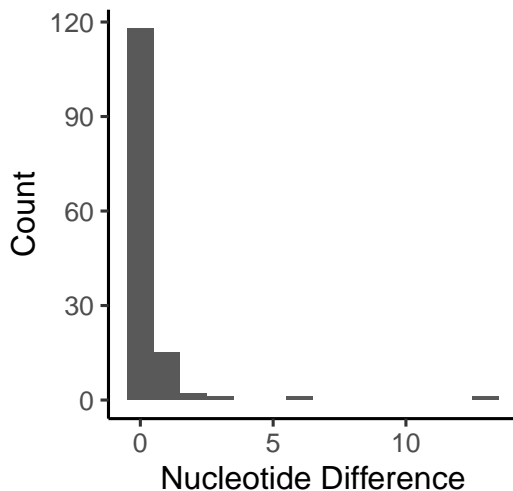
IGHV1-8*01

358 sequences assigned
314 (87.7%) exact matches, in which:
302 unique CDR3
7 unique J



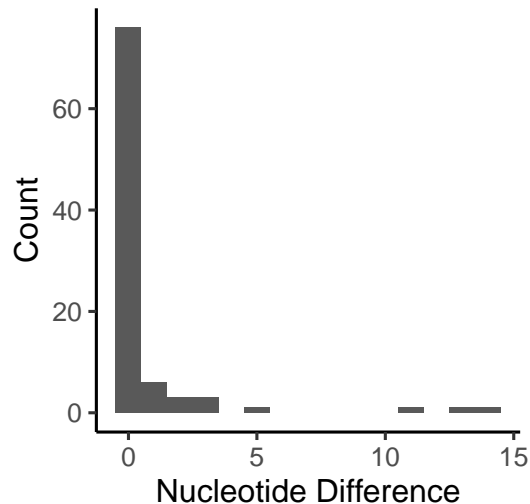
IGHV1-24*01

139 sequences assigned
118 (84.9%) exact matches, in which:
111 unique CDR3
7 unique J



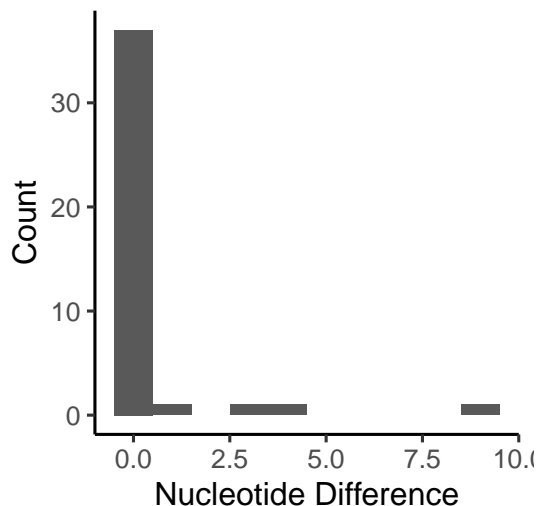
IGHV1-58*01

92 sequences assigned
76 (82.6%) exact matches, in which:
74 unique CDR3
6 unique J



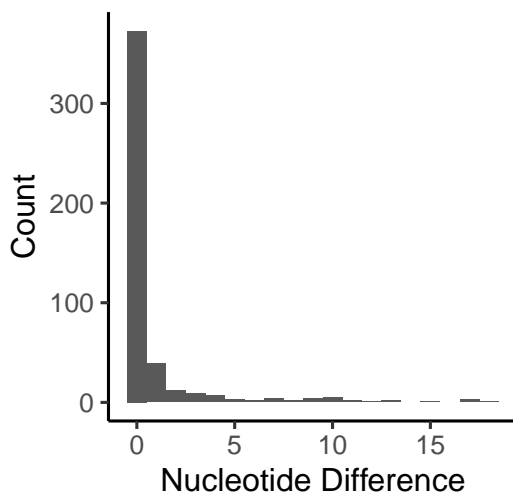
IGHV1-69-2*01

41 sequences assigned
37 (90.2%) exact matches, in which:
34 unique CDR3
5 unique J



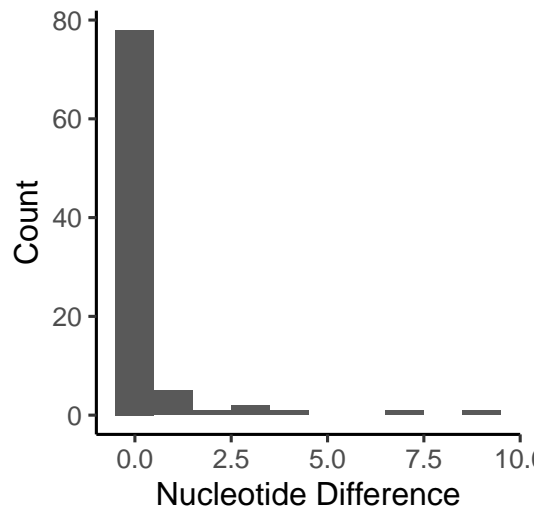
IGHV2-5*02

471 sequences assigned
373 (79.2%) exact matches, in which:
361 unique CDR3
7 unique J



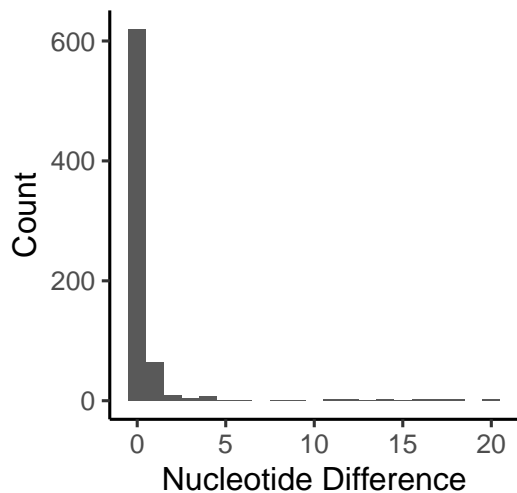
IGHV2-70*15

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



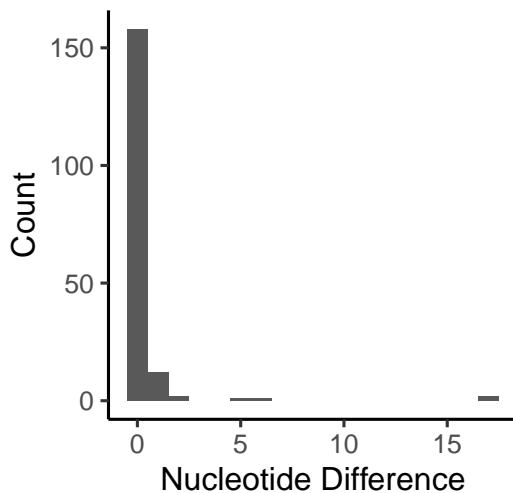
IGHV1-69*06

786 sequences assigned
620 (78.9%) exact matches, in which:
589 unique CDR3
7 unique J



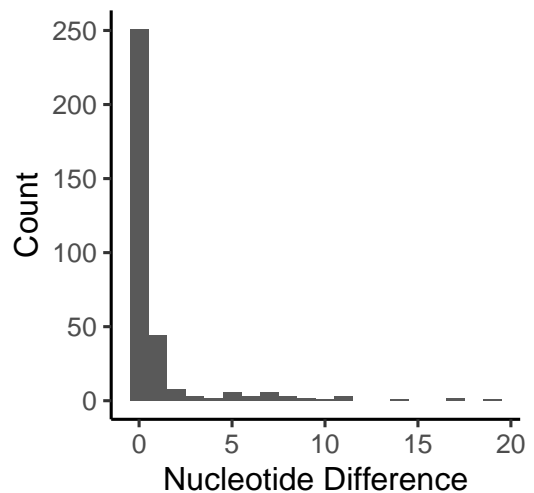
IGHV2-26*01

176 sequences assigned
158 (89.8%) exact matches, in which:
154 unique CDR3
7 unique J



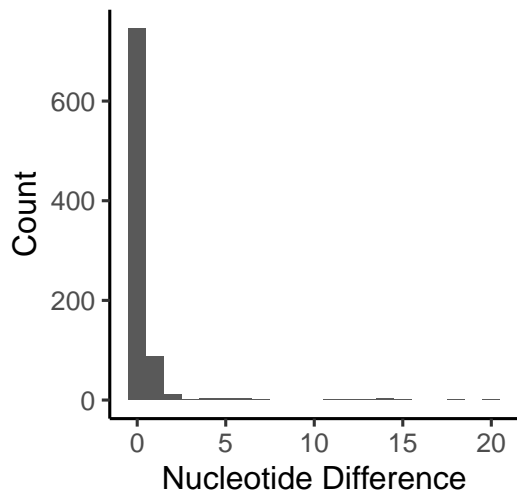
IGHV3-7*01

337 sequences assigned
251 (74.5%) exact matches, in which:
243 unique CDR3
6 unique J



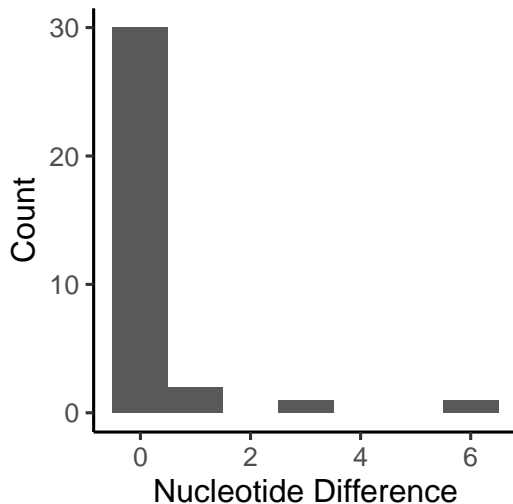
IGHV1-69*12

874 sequences assigned
746 (85.4%) exact matches, in which:
732 unique CDR3
6 unique J



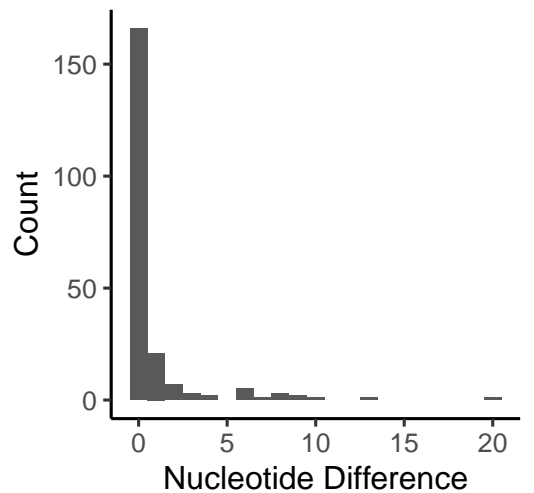
IGHV2-70*01

34 sequences assigned
30 (88.2%) exact matches, in which:
30 unique CDR3
5 unique J



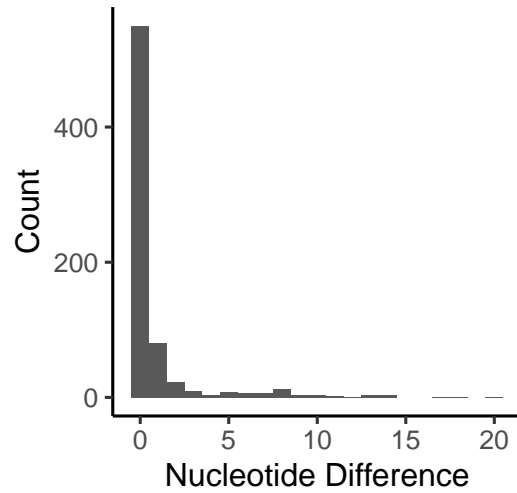
IGHV3-7*03

213 sequences assigned
166 (77.9%) exact matches, in which:
161 unique CDR3
6 unique J



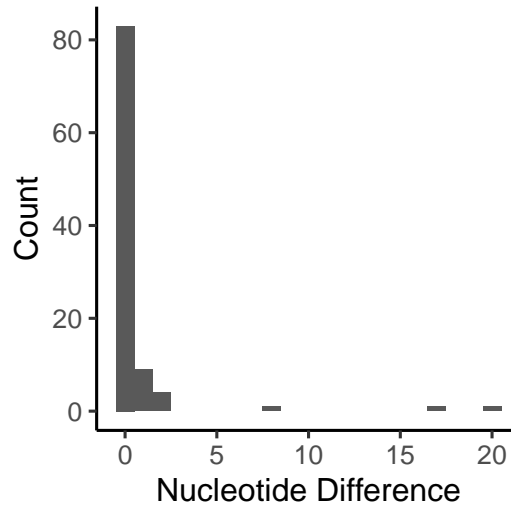
IGHV3-9*01

720 sequences assigned
550 (76.4%) exact matches, in which:
509 unique CDR3
7 unique J



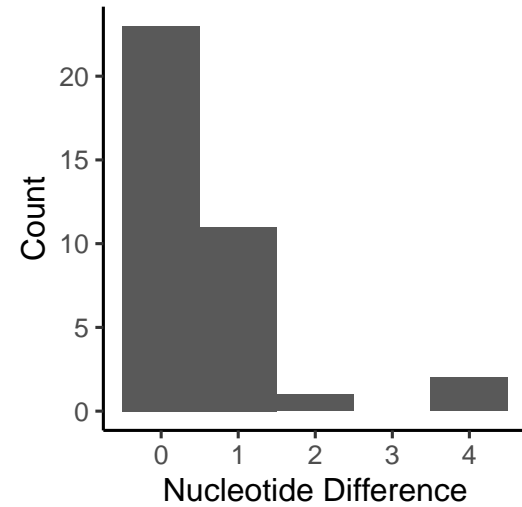
IGHV3-13*01

99 sequences assigned
83 (83.8%) exact matches, in which:
78 unique CDR3
5 unique J



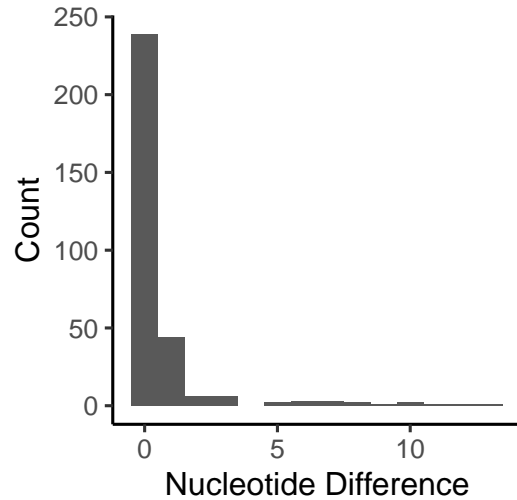
IGHV3-20*01

37 sequences assigned
23 (62.2%) exact matches, in which:
22 unique CDR3
5 unique J



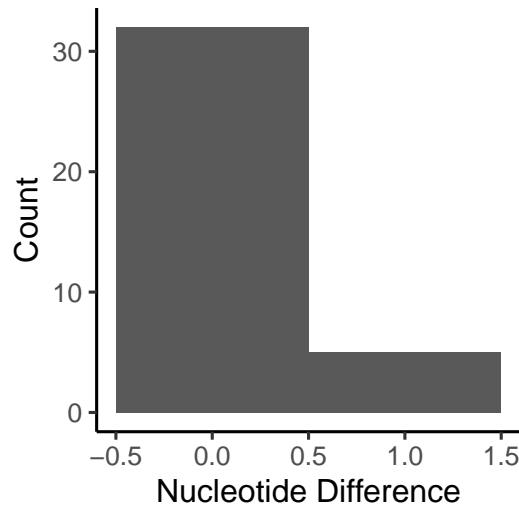
IGHV3-11*01

314 sequences assigned
239 (76.1%) exact matches, in which:
229 unique CDR3
6 unique J



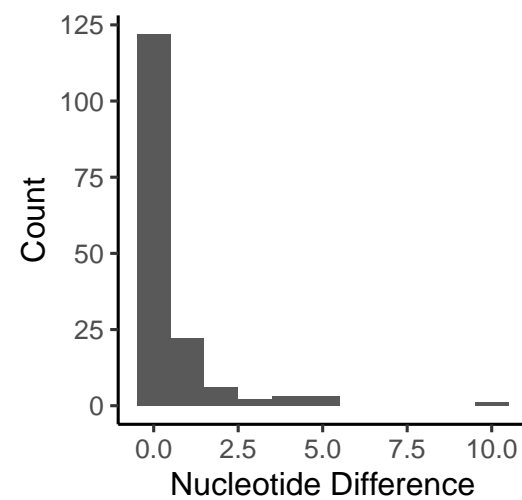
IGHV3-13*05

37 sequences assigned
32 (86.5%) exact matches, in which:
30 unique CDR3
4 unique J



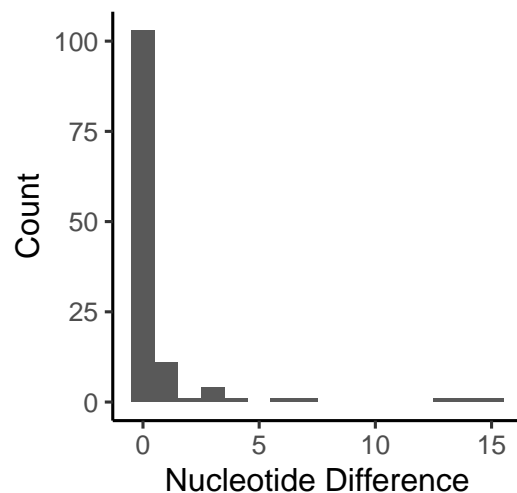
IGHV3-20*04

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



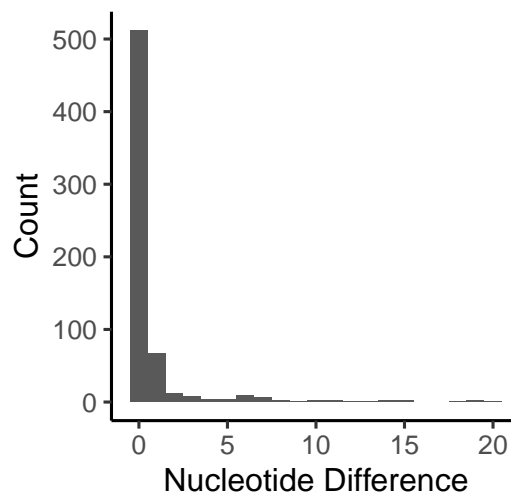
IGHV3-11*06

125 sequences assigned
103 (82.4%) exact matches, in which:
97 unique CDR3
6 unique J



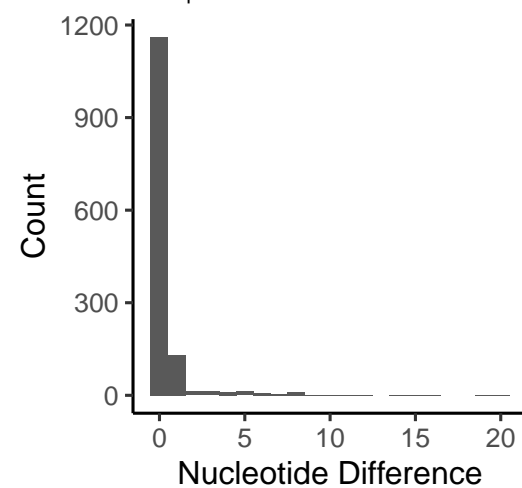
IGHV3-15*01

642 sequences assigned
512 (79.8%) exact matches, in which:
489 unique CDR3
7 unique J



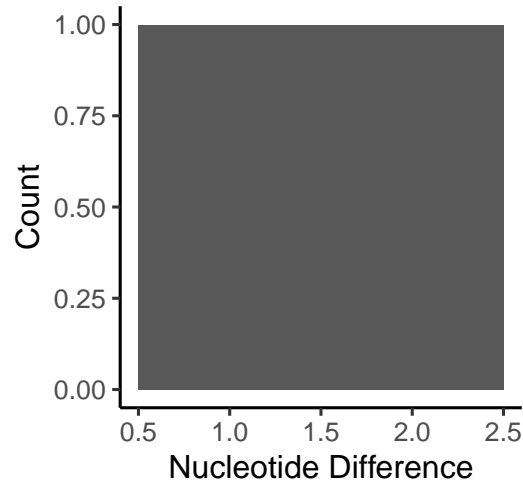
IGHV3-21*01

1372 sequences assigned
1161 (84.6%) exact matches, in which:
1100 unique CDR3
7 unique J



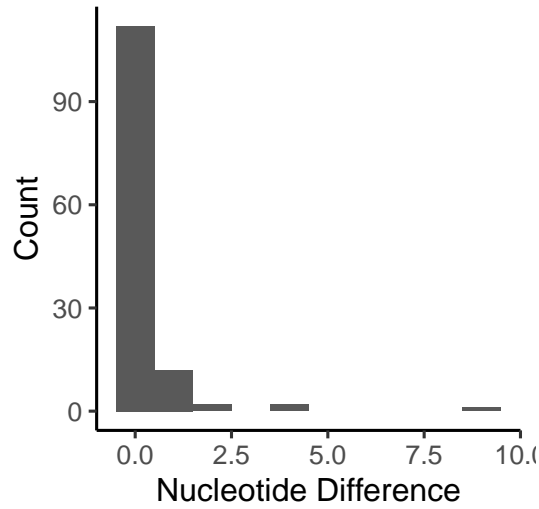
IGHV3-30*05

2 sequences assigned
No exact matches.



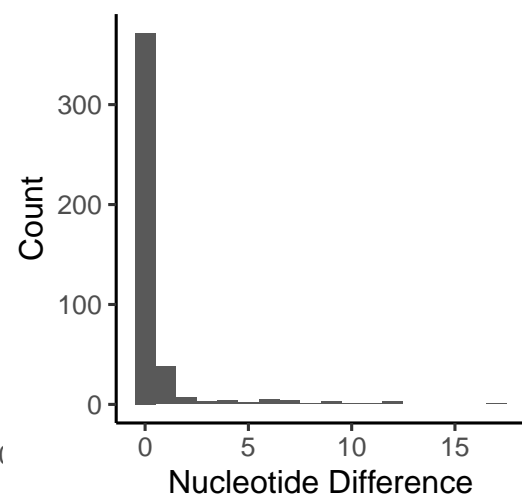
IGHV3-43*01

130 sequences assigned
112 (86.2%) exact matches, in which:
109 unique CDR3
7 unique J



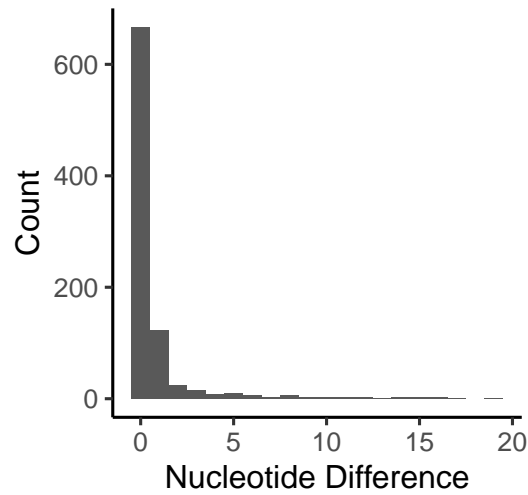
IGHV3-53*01

446 sequences assigned
372 (83.4%) exact matches, in which:
359 unique CDR3
7 unique J



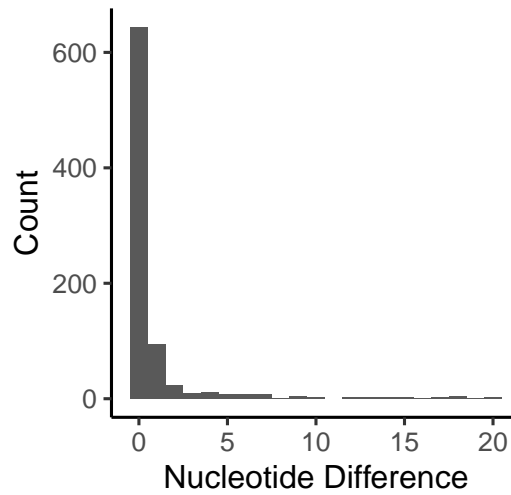
IGHV3-33*01

886 sequences assigned
667 (75.3%) exact matches, in which:
639 unique CDR3
7 unique J



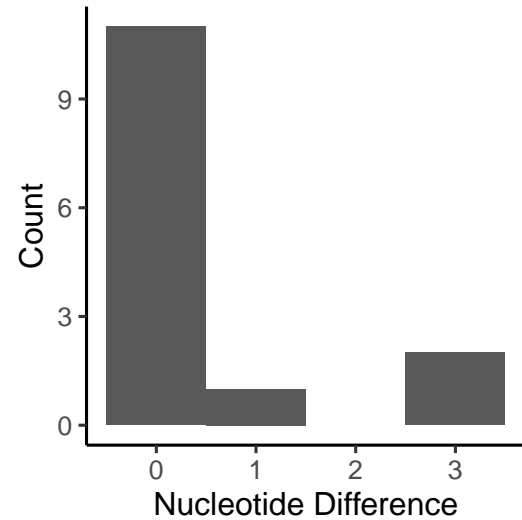
IGHV3-48*02

839 sequences assigned
644 (76.8%) exact matches, in which:
630 unique CDR3
7 unique J



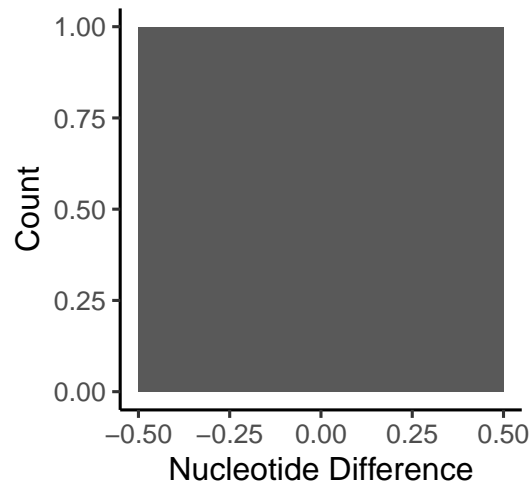
IGHV3-64*02

14 sequences assigned
11 (78.6%) exact matches, in which:
10 unique CDR3
4 unique J



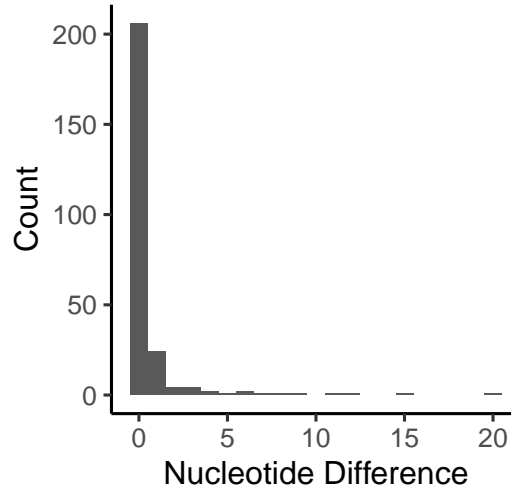
IGHV3-35*01

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



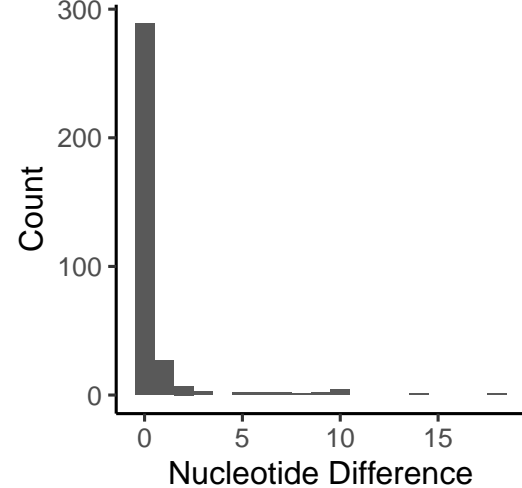
IGHV3-49*05

251 sequences assigned
206 (82.1%) exact matches, in which:
198 unique CDR3
7 unique J



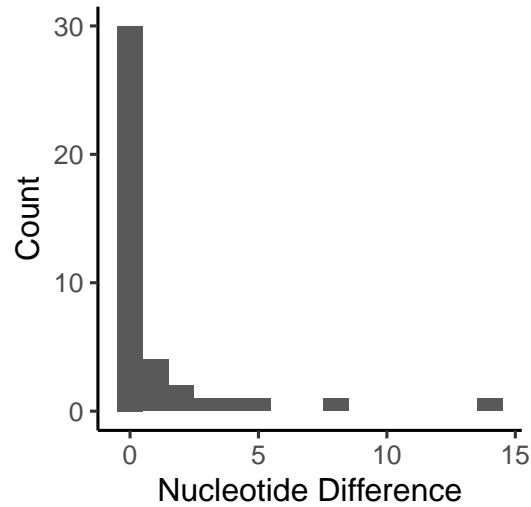
IGHV3-66*01

341 sequences assigned
289 (84.8%) exact matches, in which:
277 unique CDR3
6 unique J



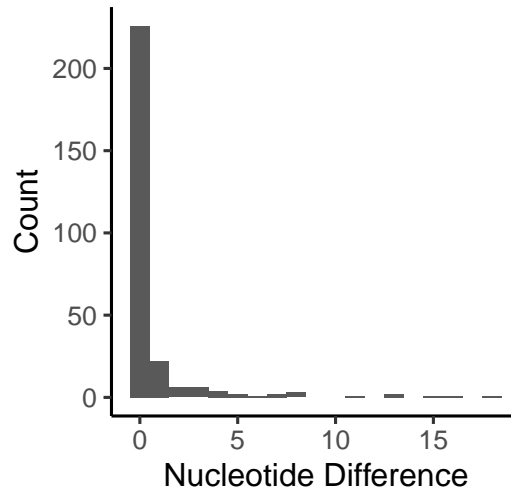
IGHV3-72*01

41 sequences assigned
30 (73.2%) exact matches, in which:
30 unique CDR3
4 unique J



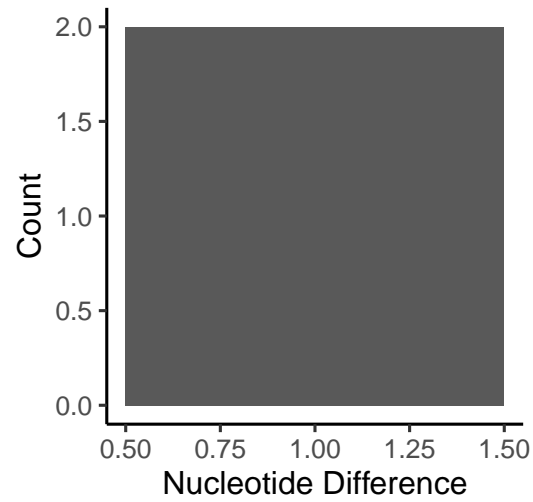
IGHV3-74*01

280 sequences assigned
226 (80.7%) exact matches, in which:
214 unique CDR3
7 unique J



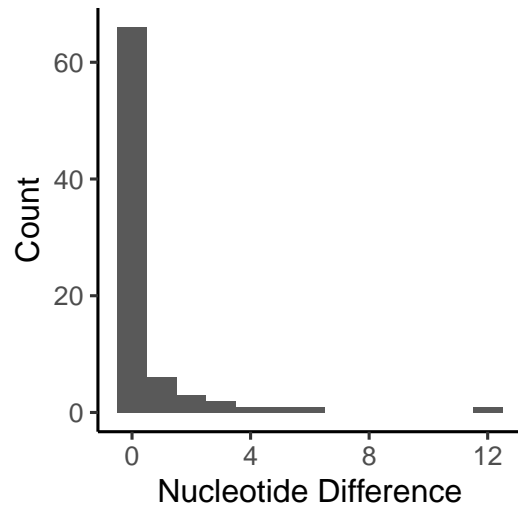
IGHV4-28*04

2 sequences assigned
No exact matches.



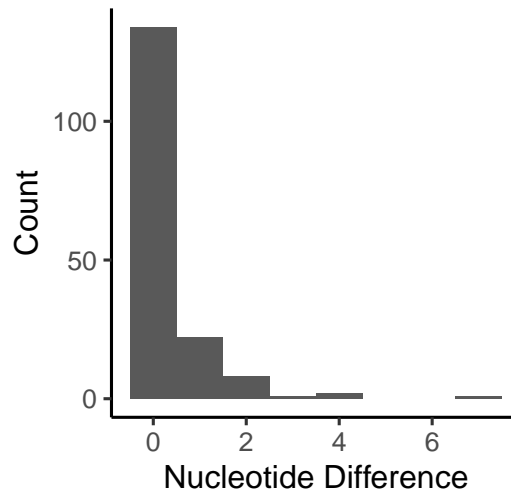
IGHV3-73*01

81 sequences assigned
66 (81.5%) exact matches, in which:
61 unique CDR3
6 unique J



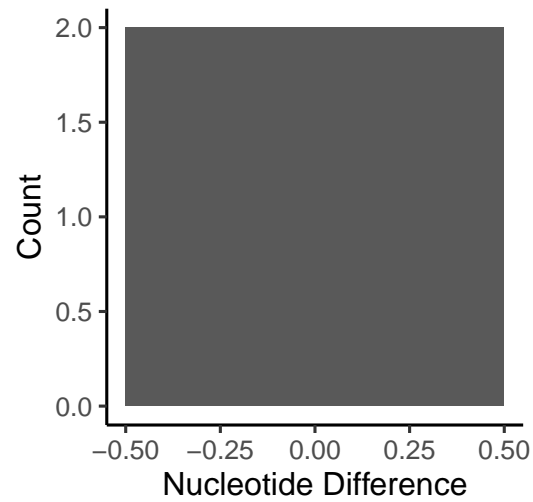
IGHV3-64D*09

168 sequences assigned
134 (79.8%) exact matches, in which:
122 unique CDR3
6 unique J



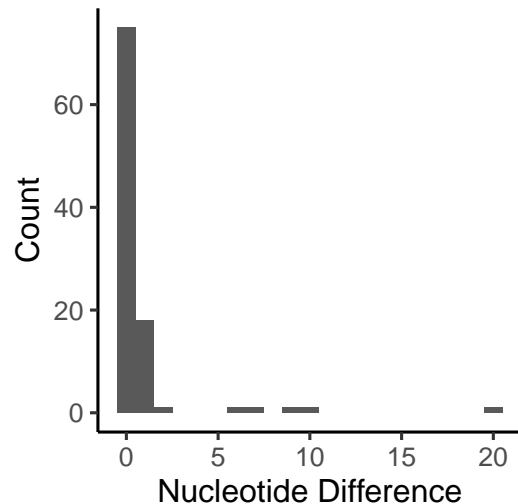
IGHV4-31*10

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



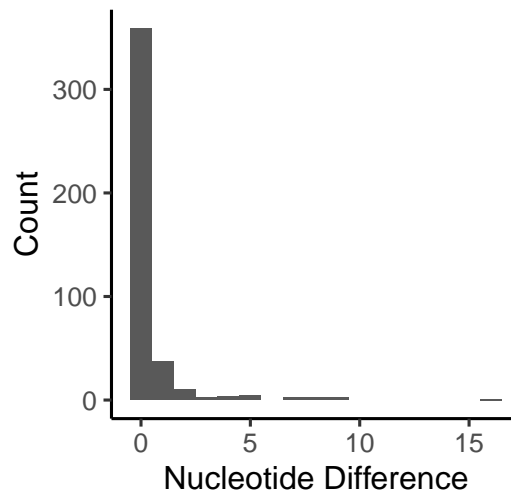
IGHV3-73*02

99 sequences assigned
75 (75.8%) exact matches, in which:
71 unique CDR3
6 unique J



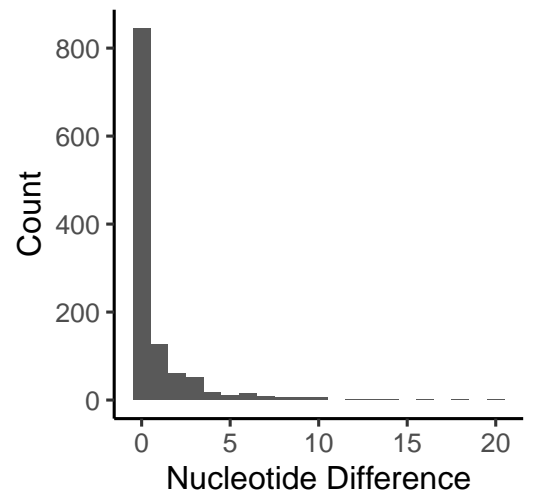
IGHV4-4*02

426 sequences assigned
359 (84.3%) exact matches, in which:
355 unique CDR3
7 unique J



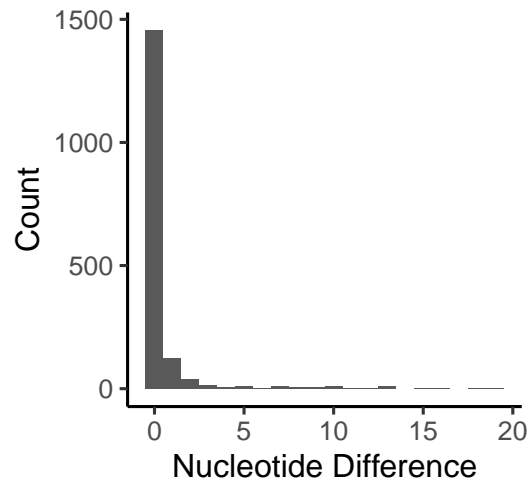
IGHV4-34*01

1171 sequences assigned
845 (72.2%) exact matches, in which:
804 unique CDR3
7 unique J



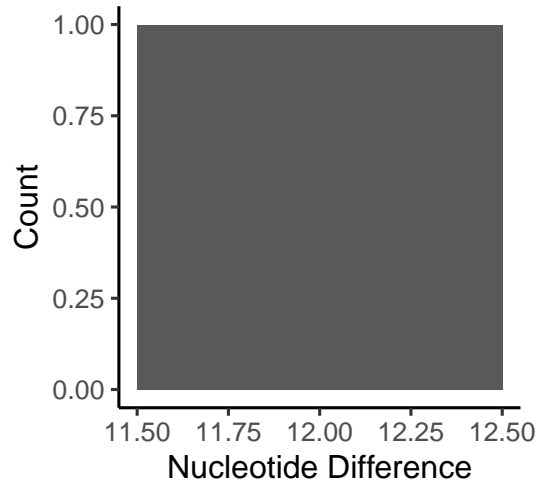
IGHV4–39*01

1710 sequences assigned
1455 (85.1%) exact matches, in which:
1379 unique CDR3
7 unique J



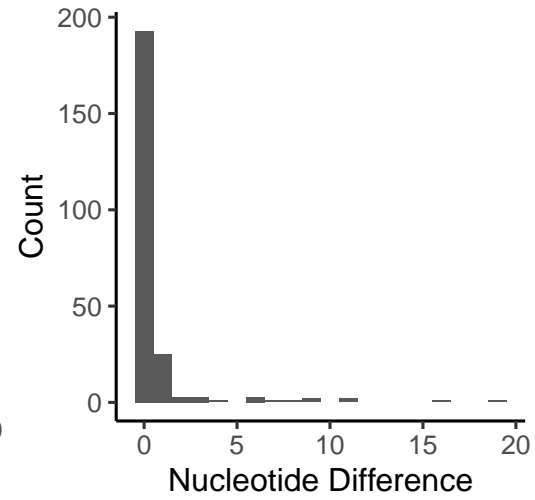
IGHV1/OR15–9*01

1 sequences assigned
No exact matches.



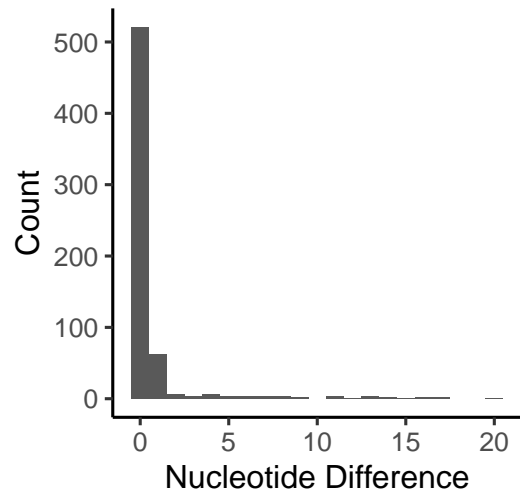
IGHV6–1*01

236 sequences assigned
193 (81.8%) exact matches, in which:
180 unique CDR3
7 unique J



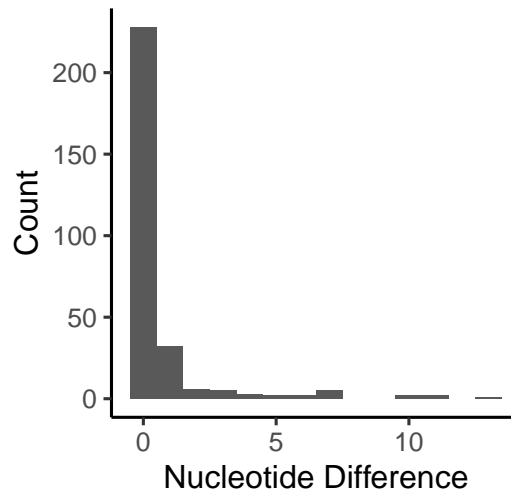
IGHV4–59*01

635 sequences assigned
521 (82%) exact matches, in which:
513 unique CDR3
7 unique J



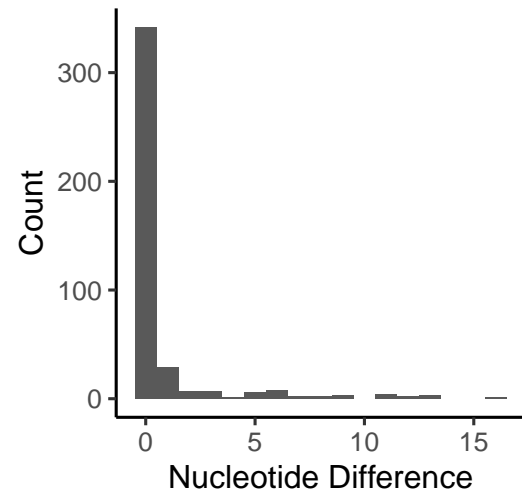
IGHV5–10–1*03

288 sequences assigned
228 (79.2%) exact matches, in which:
219 unique CDR3
6 unique J



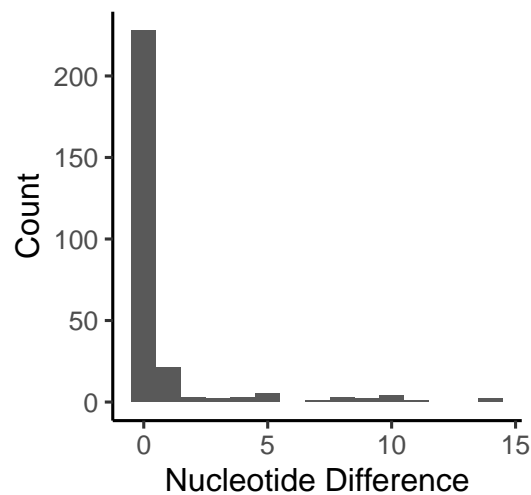
IGHV7–4–1*02

417 sequences assigned
342 (82%) exact matches, in which:
336 unique CDR3
6 unique J



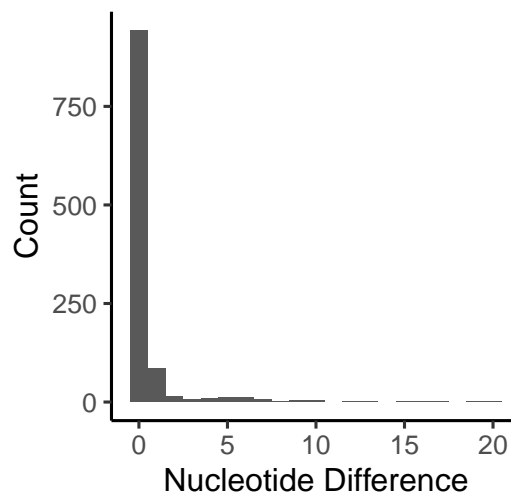
IGHV4–61*01

278 sequences assigned
228 (82%) exact matches, in which:
225 unique CDR3
7 unique J

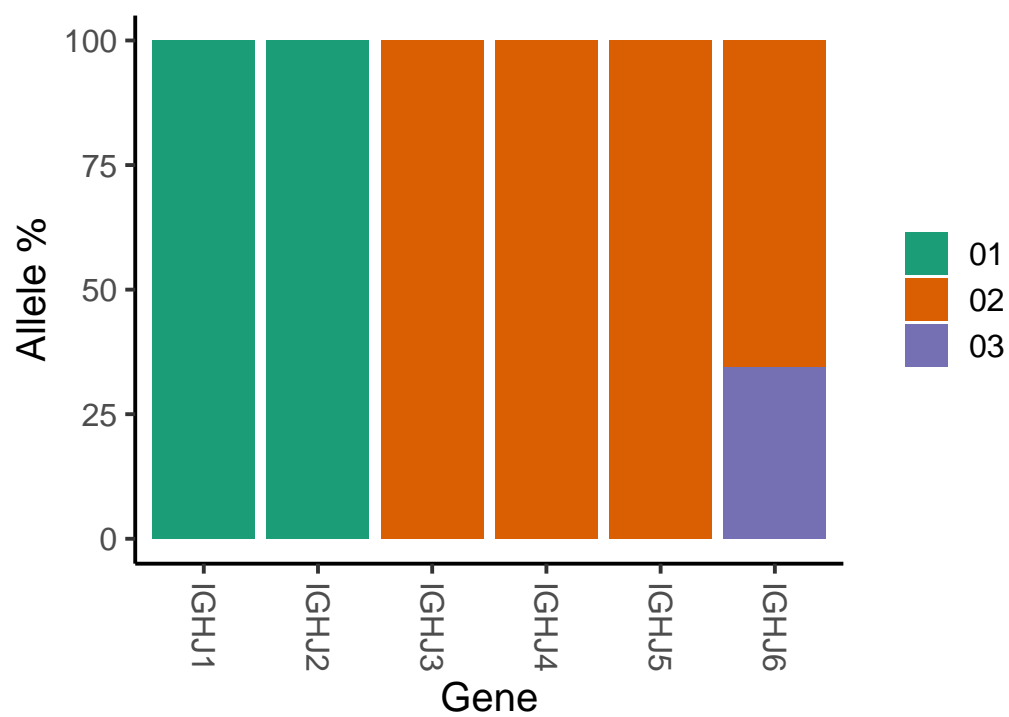


IGHV5–51*01

1109 sequences assigned
943 (85%) exact matches, in which:
903 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage

