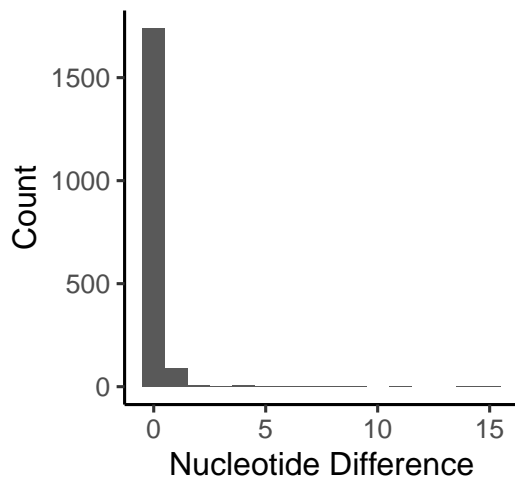


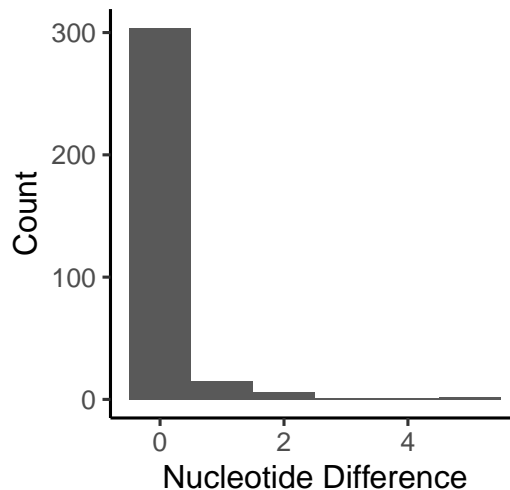
IGHV1-2*02

1859 sequences assigned
1739 (93.5%) exact matches, in which:
1739 unique CDR3
7 unique J



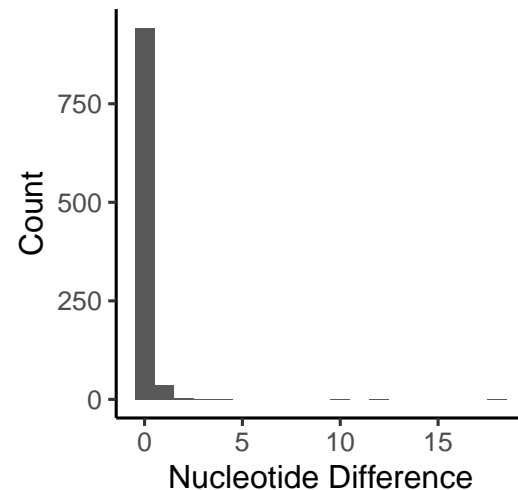
IGHV1-8*03

329 sequences assigned
304 (92.4%) exact matches, in which:
304 unique CDR3
6 unique J



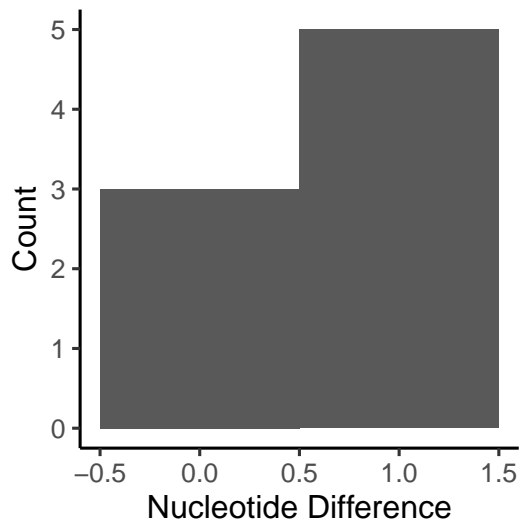
IGHV1-24*01

988 sequences assigned
943 (95.4%) exact matches, in which:
942 unique CDR3
7 unique J



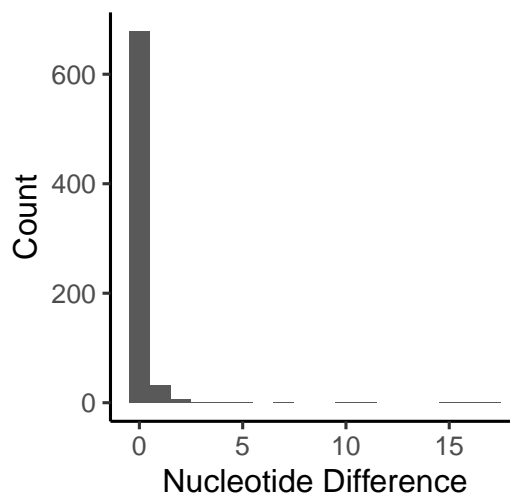
IGHV1-3*02

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
2 unique J



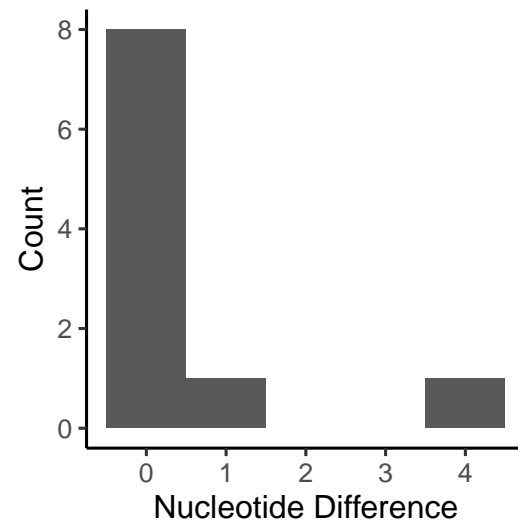
IGHV1-18*01

726 sequences assigned
679 (93.5%) exact matches, in which:
678 unique CDR3
7 unique J



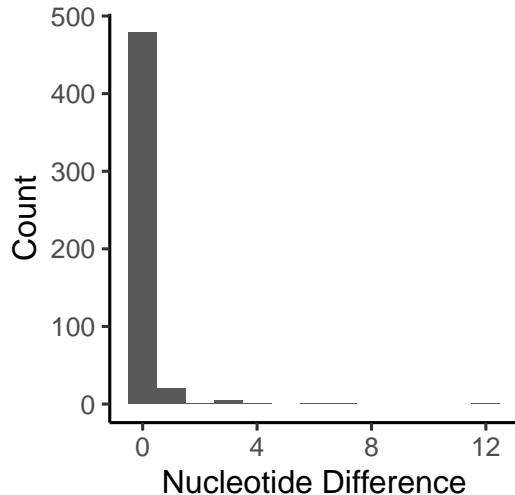
IGHV1-45*02

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
5 unique J



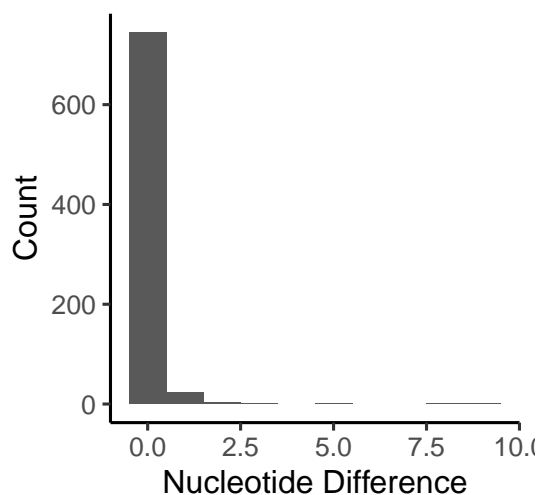
IGHV1-8*01

510 sequences assigned
479 (93.9%) exact matches, in which:
479 unique CDR3
7 unique J



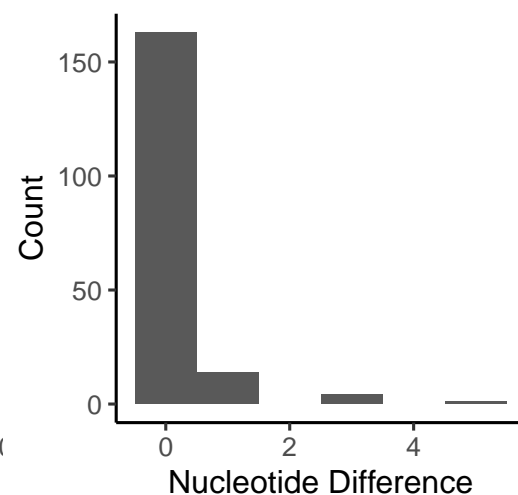
IGHV1-18*04

779 sequences assigned
745 (95.6%) exact matches, in which:
743 unique CDR3
7 unique J



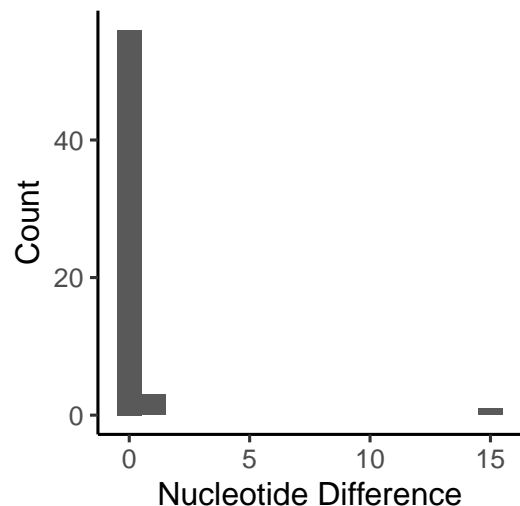
IGHV1-46*01

182 sequences assigned
163 (89.6%) exact matches, in which:
163 unique CDR3
6 unique J



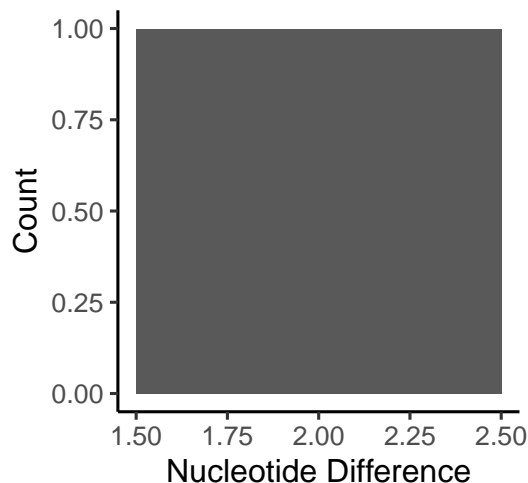
IGHV1-46*03

60 sequences assigned
56 (93.3%) exact matches, in which:
56 unique CDR3
6 unique J



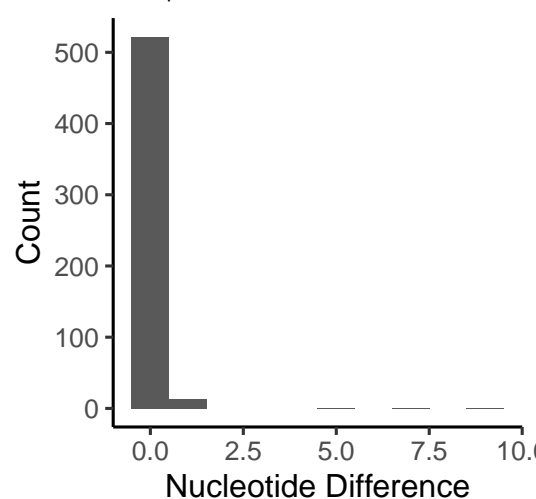
IGHV1-68*02

1 sequences assigned
No exact matches.



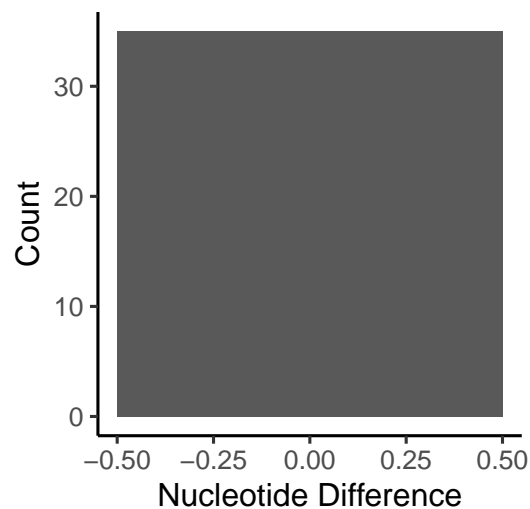
IGHV2-5*02

538 sequences assigned
522 (97%) exact matches, in which:
522 unique CDR3
7 unique J



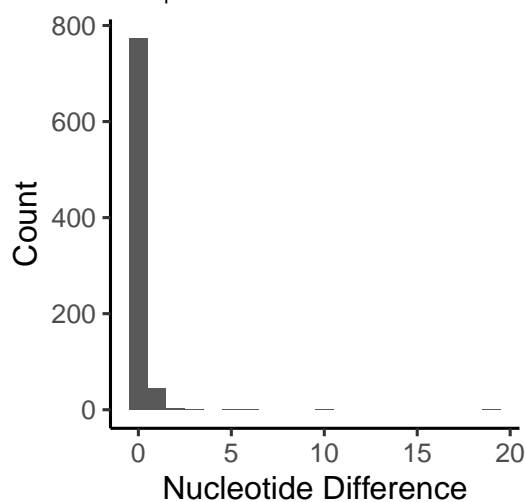
IGHV1-58*01

35 sequences assigned
35 (100%) exact matches, in which:
35 unique CDR3
5 unique J



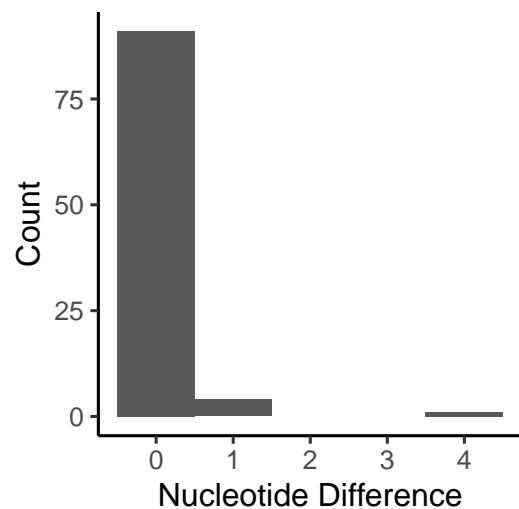
IGHV1-69*04

828 sequences assigned
774 (93.5%) exact matches, in which:
774 unique CDR3
7 unique J



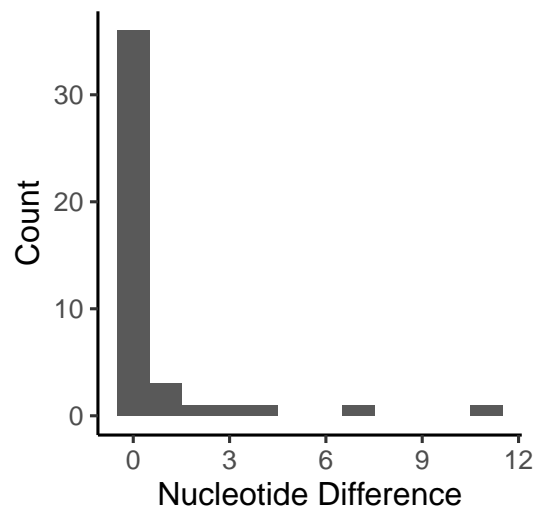
IGHV2-26*01

96 sequences assigned
91 (94.8%) exact matches, in which:
91 unique CDR3
5 unique J



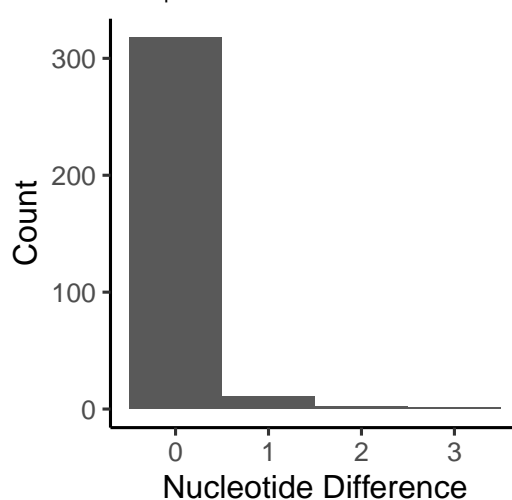
IGHV1-58*02

44 sequences assigned
36 (81.8%) exact matches, in which:
36 unique CDR3
5 unique J



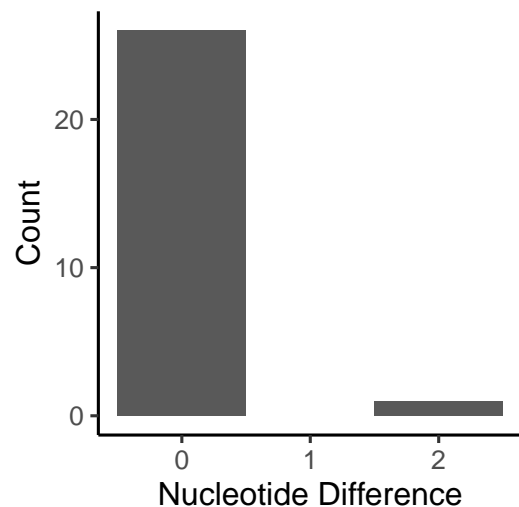
IGHV2-5*01

332 sequences assigned
318 (95.8%) exact matches, in which:
318 unique CDR3
6 unique J



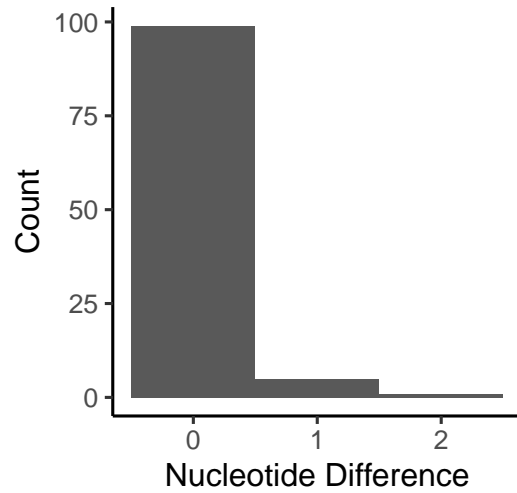
IGHV2-26*02

27 sequences assigned
26 (96.3%) exact matches, in which:
26 unique CDR3
5 unique J



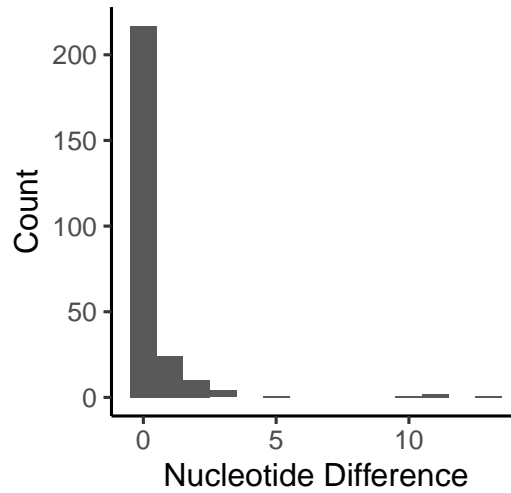
IGHV2-70*01

105 sequences assigned
99 (94.3%) exact matches, in which:
99 unique CDR3
6 unique J



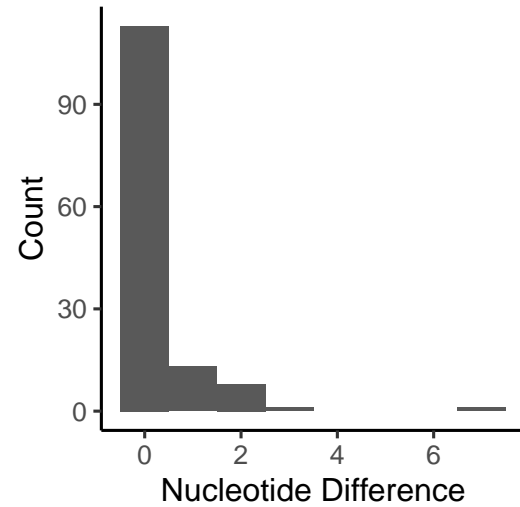
IGHV3-7*03

260 sequences assigned
217 (83.5%) exact matches, in which:
217 unique CDR3
7 unique J



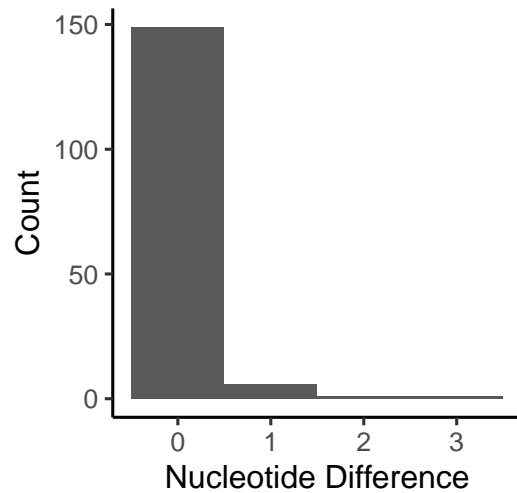
IGHV3-11*04

136 sequences assigned
113 (83.1%) exact matches, in which:
113 unique CDR3
5 unique J



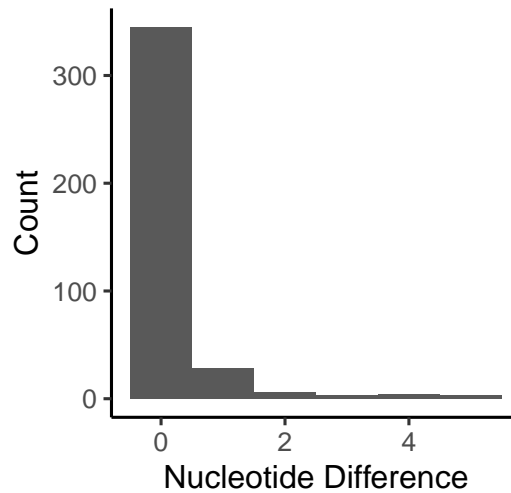
IGHV2-70*15

157 sequences assigned
149 (94.9%) exact matches, in which:
149 unique CDR3
6 unique J



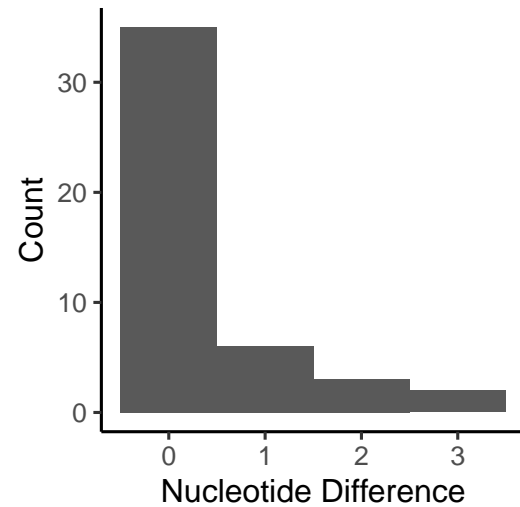
IGHV3-9*01

390 sequences assigned
345 (88.5%) exact matches, in which:
345 unique CDR3
7 unique J



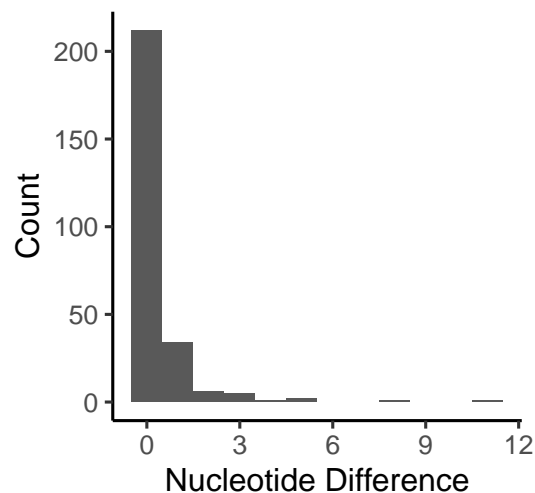
IGHV3-13*01

46 sequences assigned
35 (76.1%) exact matches, in which:
35 unique CDR3
5 unique J



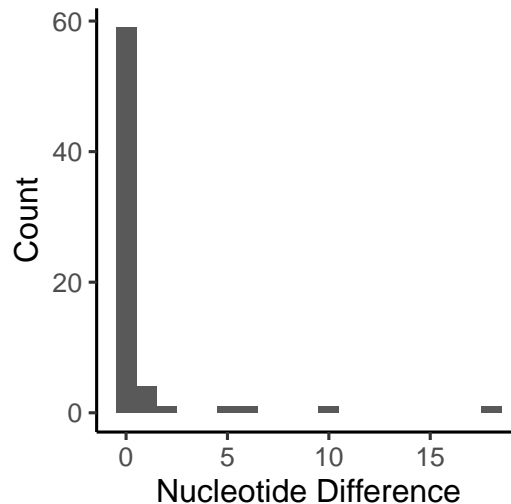
IGHV3-7*01

262 sequences assigned
212 (80.9%) exact matches, in which:
212 unique CDR3
7 unique J



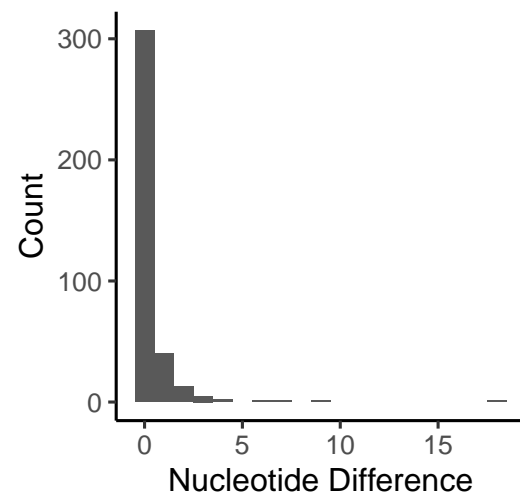
IGHV3-9*03

68 sequences assigned
59 (86.8%) exact matches, in which:
59 unique CDR3
6 unique J



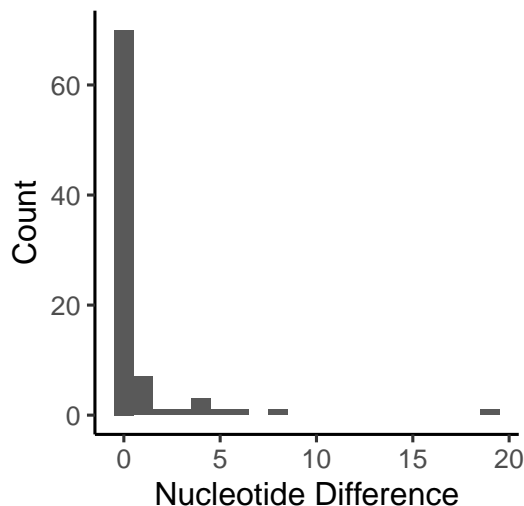
IGHV3-15*01

372 sequences assigned
307 (82.5%) exact matches, in which:
307 unique CDR3
7 unique J



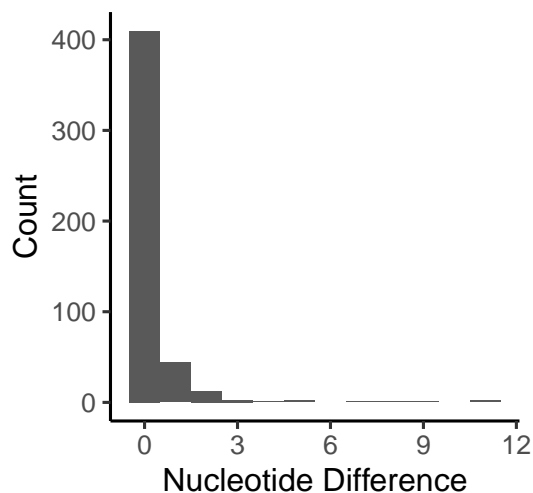
IGHV3-20*04

86 sequences assigned
70 (81.4%) exact matches, in which:
70 unique CDR3
6 unique J



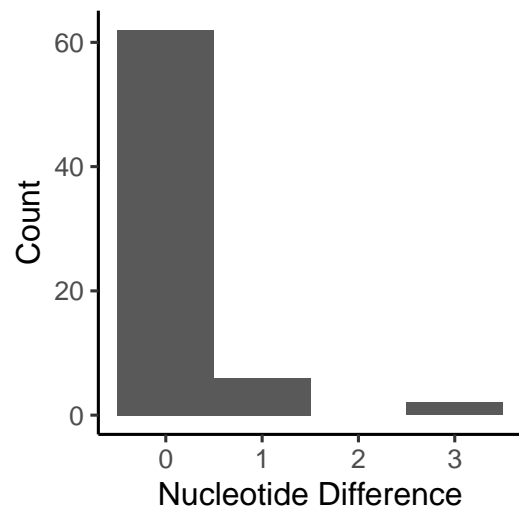
IGHV3-48*01

478 sequences assigned
410 (85.8%) exact matches, in which:
409 unique CDR3
7 unique J



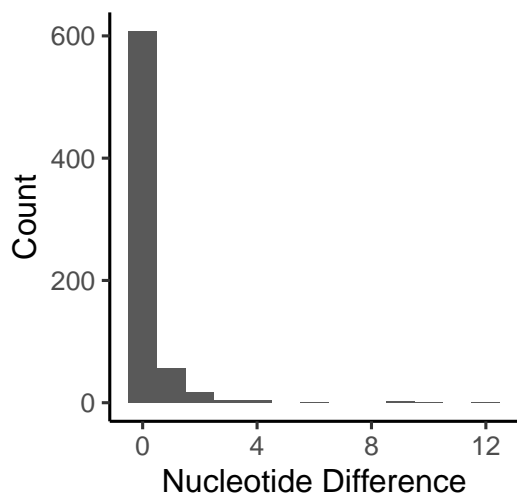
IGHV3-53*04_G37A

70 sequences assigned
62 (88.6%) exact matches, in which:
62 unique CDR3
5 unique J



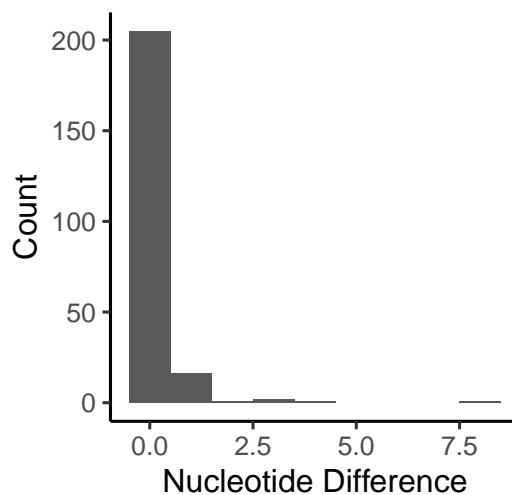
IGHV3-21*01

695 sequences assigned
608 (87.5%) exact matches, in which:
608 unique CDR3
7 unique J



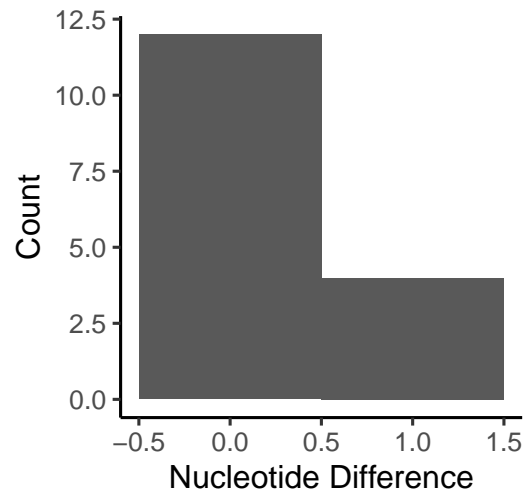
IGHV3-49*03

227 sequences assigned
205 (90.3%) exact matches, in which:
204 unique CDR3
7 unique J



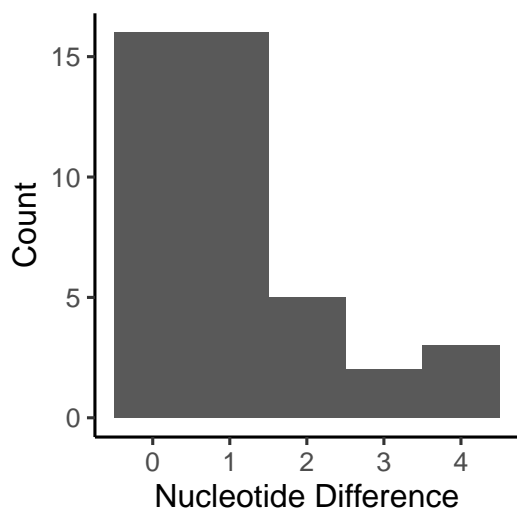
IGHV3-64*01

16 sequences assigned
12 (75%) exact matches, in which:
12 unique CDR3
3 unique J



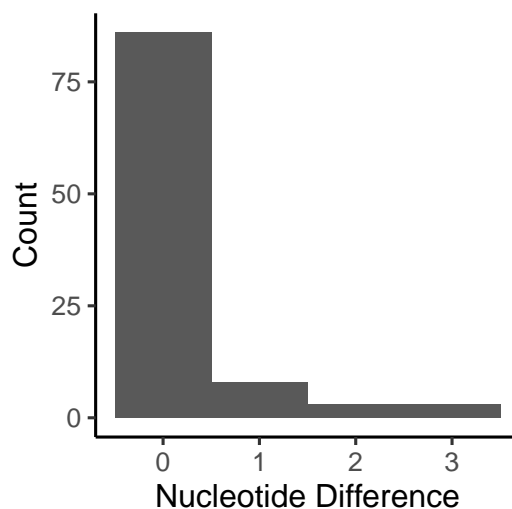
IGHV3-43*01

42 sequences assigned
16 (38.1%) exact matches, in which:
16 unique CDR3
4 unique J



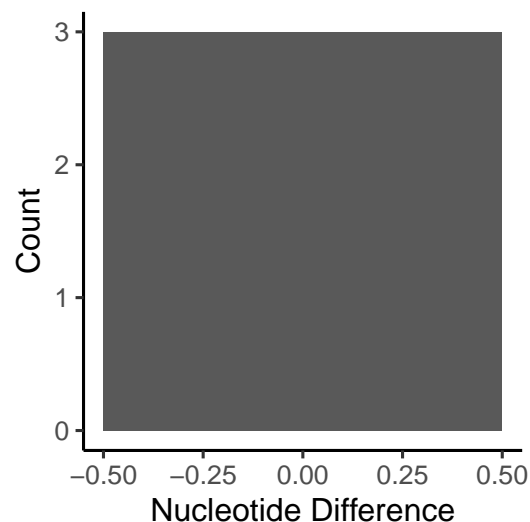
IGHV3-53*02

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



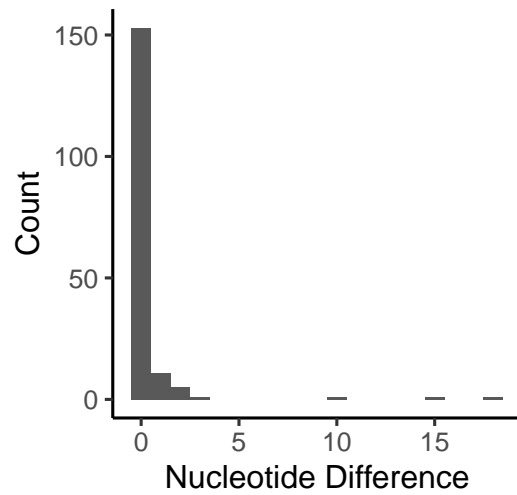
IGHV3-64*02

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



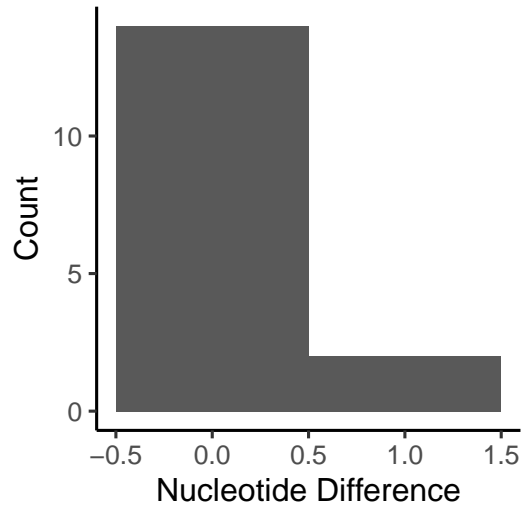
IGHV3–66*01

174 sequences assigned
153 (87.9%) exact matches, in which:
153 unique CDR3
6 unique J



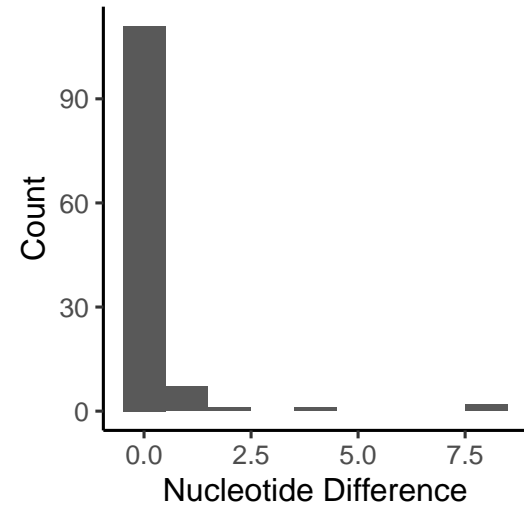
IGHV3–73*02

16 sequences assigned
14 (87.5%) exact matches, in which:
14 unique CDR3
3 unique J



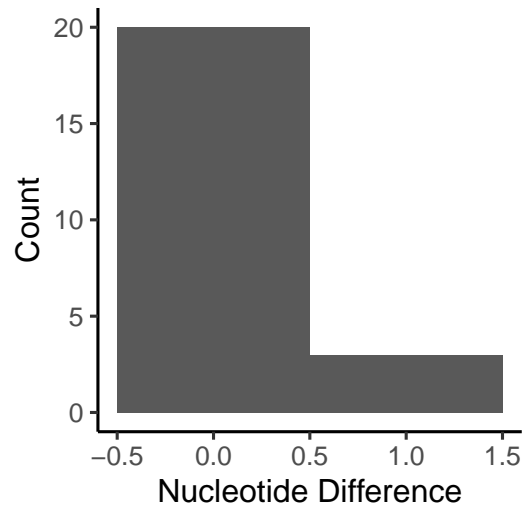
IGHV4–4*07_A70G

122 sequences assigned
111 (91%) exact matches, in which:
111 unique CDR3
5 unique J



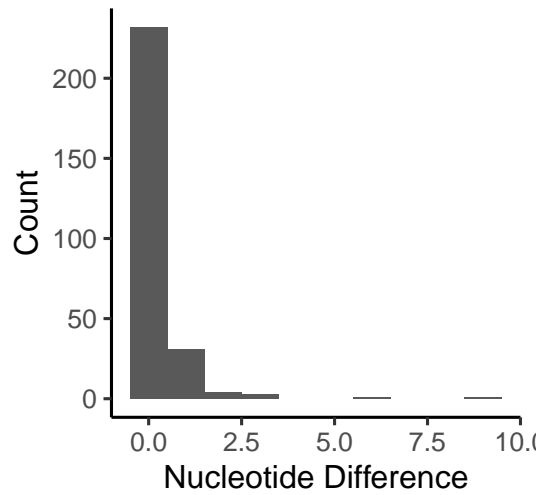
IGHV3–72*01

23 sequences assigned
20 (87%) exact matches, in which:
19 unique CDR3
5 unique J



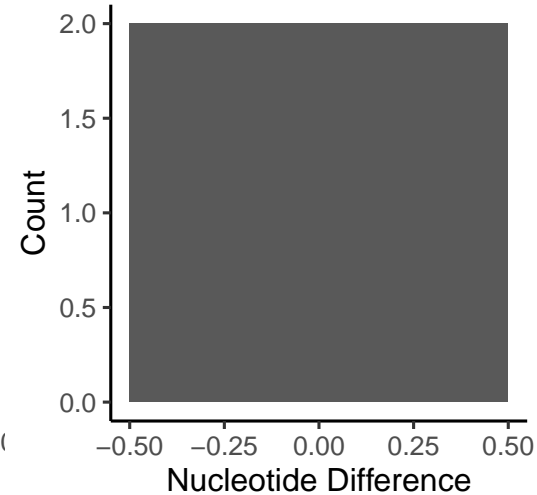
IGHV3–74*01

272 sequences assigned
232 (85.3%) exact matches, in which:
232 unique CDR3
7 unique J



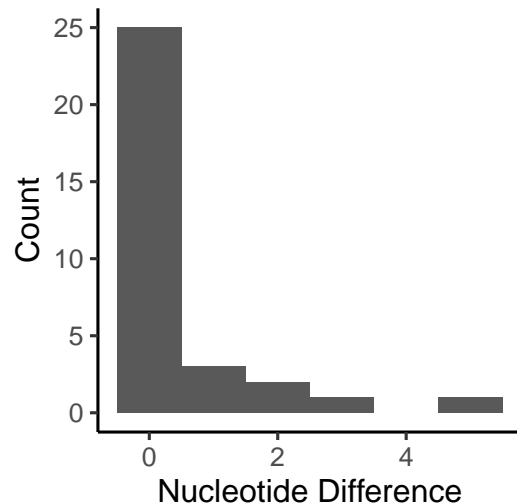
IGHV4–28*01

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



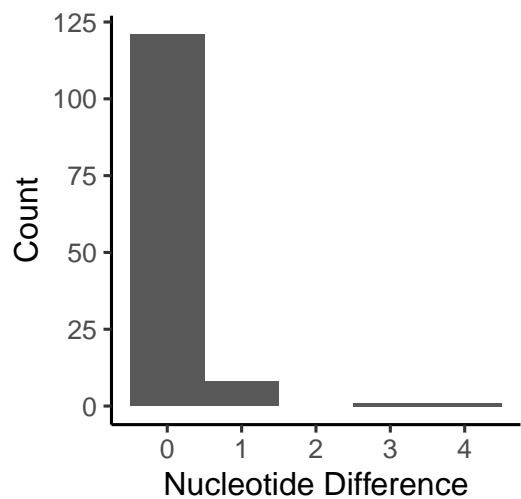
IGHV3–73*01

32 sequences assigned
25 (78.1%) exact matches, in which:
25 unique CDR3
5 unique J



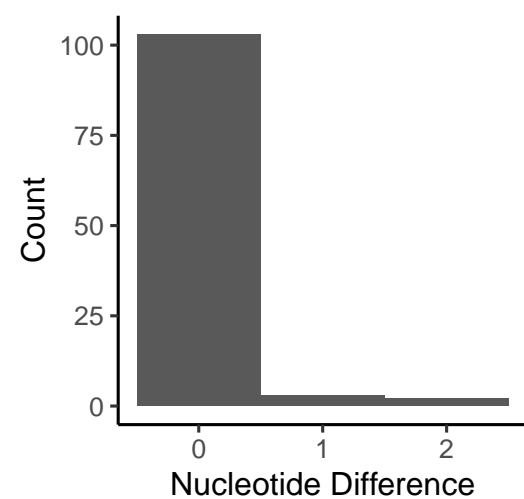
IGHV4–4*07

131 sequences assigned
121 (92.4%) exact matches, in which:
121 unique CDR3
5 unique J



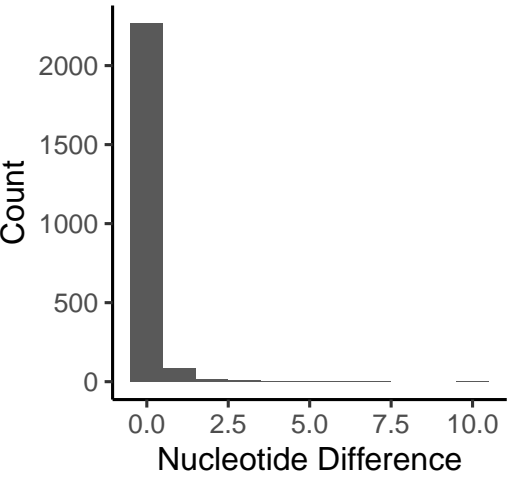
IGHV4–30–2*01

108 sequences assigned
103 (95.4%) exact matches, in which:
103 unique CDR3
7 unique J



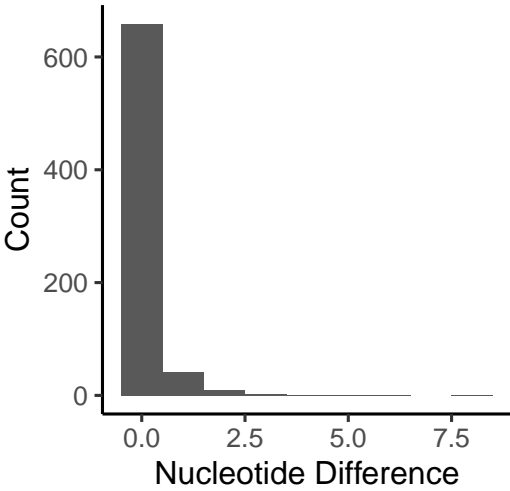
IGHV4–34*01

2382 sequences assigned
2267 (95.2%) exact matches, in which:
2263 unique CDR3
7 unique J



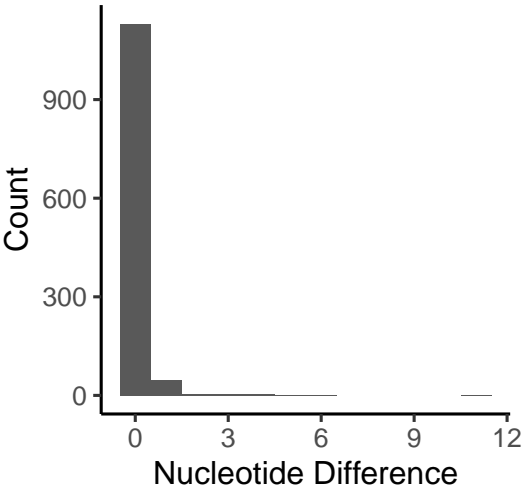
IGHV4–59*01

716 sequences assigned
659 (92%) exact matches, in which:
659 unique CDR3
7 unique J



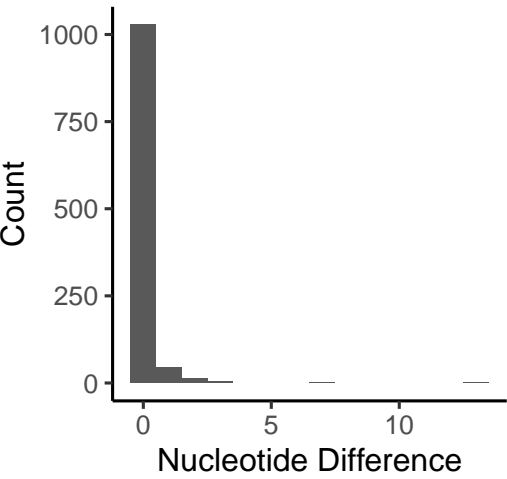
IGHV5–51*01_C45G

1196 sequences assigned
1131 (94.6%) exact matches, in which:
1130 unique CDR3
7 unique J



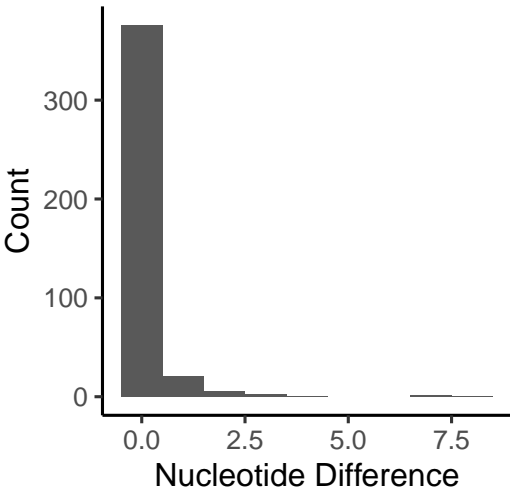
IGHV4–39*01

1090 sequences assigned
1028 (94.3%) exact matches, in which:
1027 unique CDR3
7 unique J



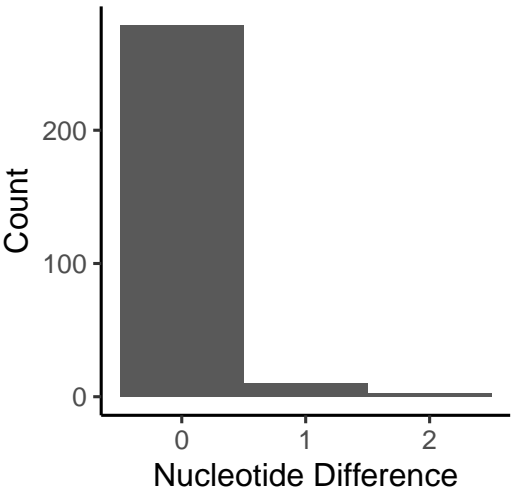
IGHV4–59*08

410 sequences assigned
376 (91.7%) exact matches, in which:
376 unique CDR3
7 unique J



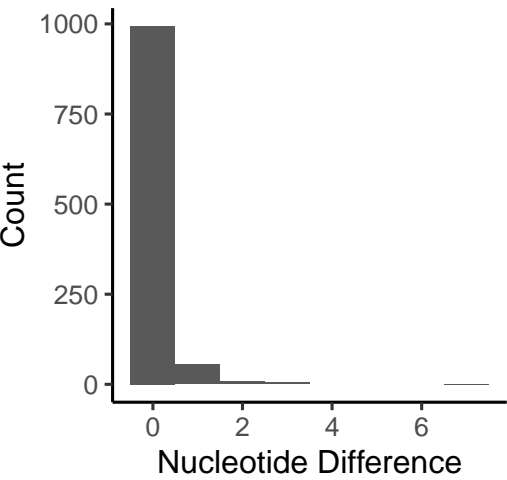
IGHV6–1*01

292 sequences assigned
279 (95.5%) exact matches, in which:
279 unique CDR3
7 unique J



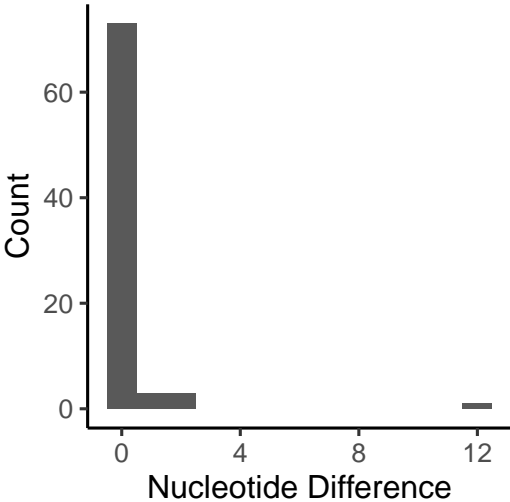
IGHV4–39*07

1063 sequences assigned
994 (93.5%) exact matches, in which:
994 unique CDR3
7 unique J



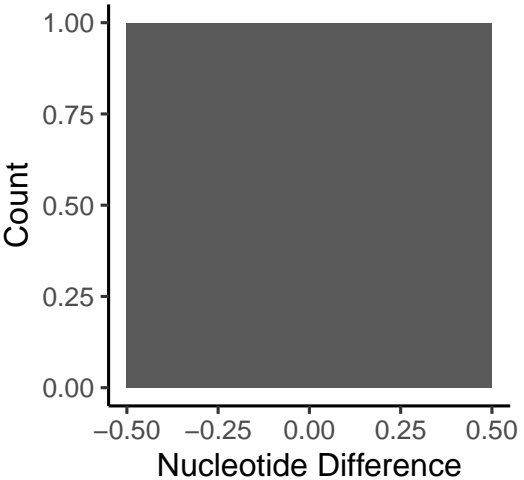
IGHV4–61*01

80 sequences assigned
73 (91.2%) exact matches, in which:
73 unique CDR3
6 unique J

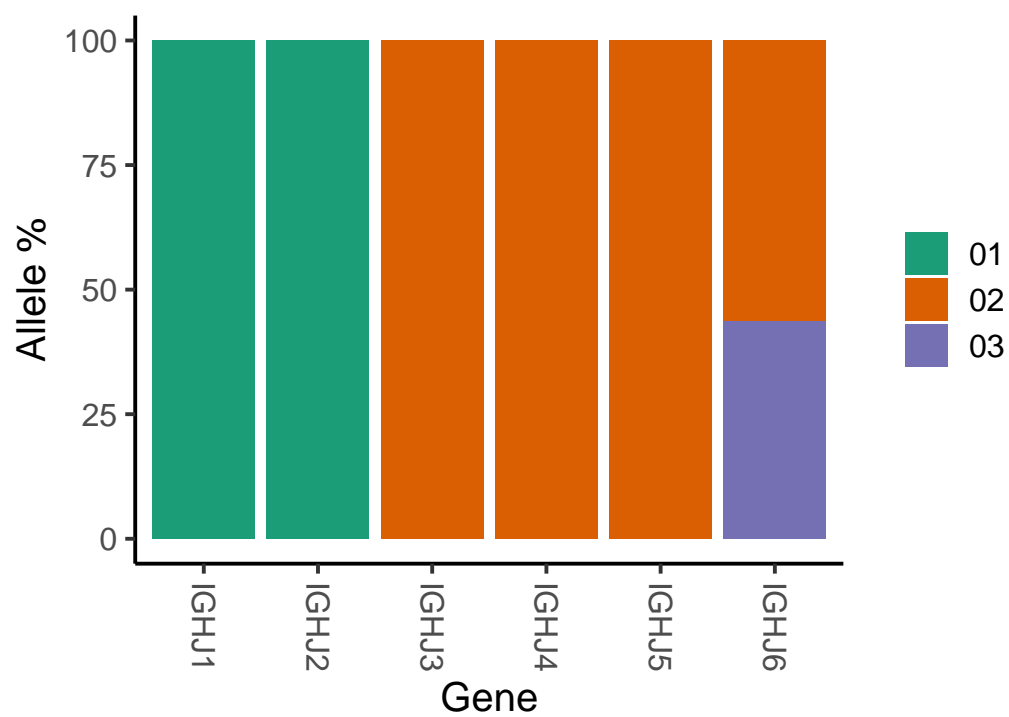


IGHV7–81*01

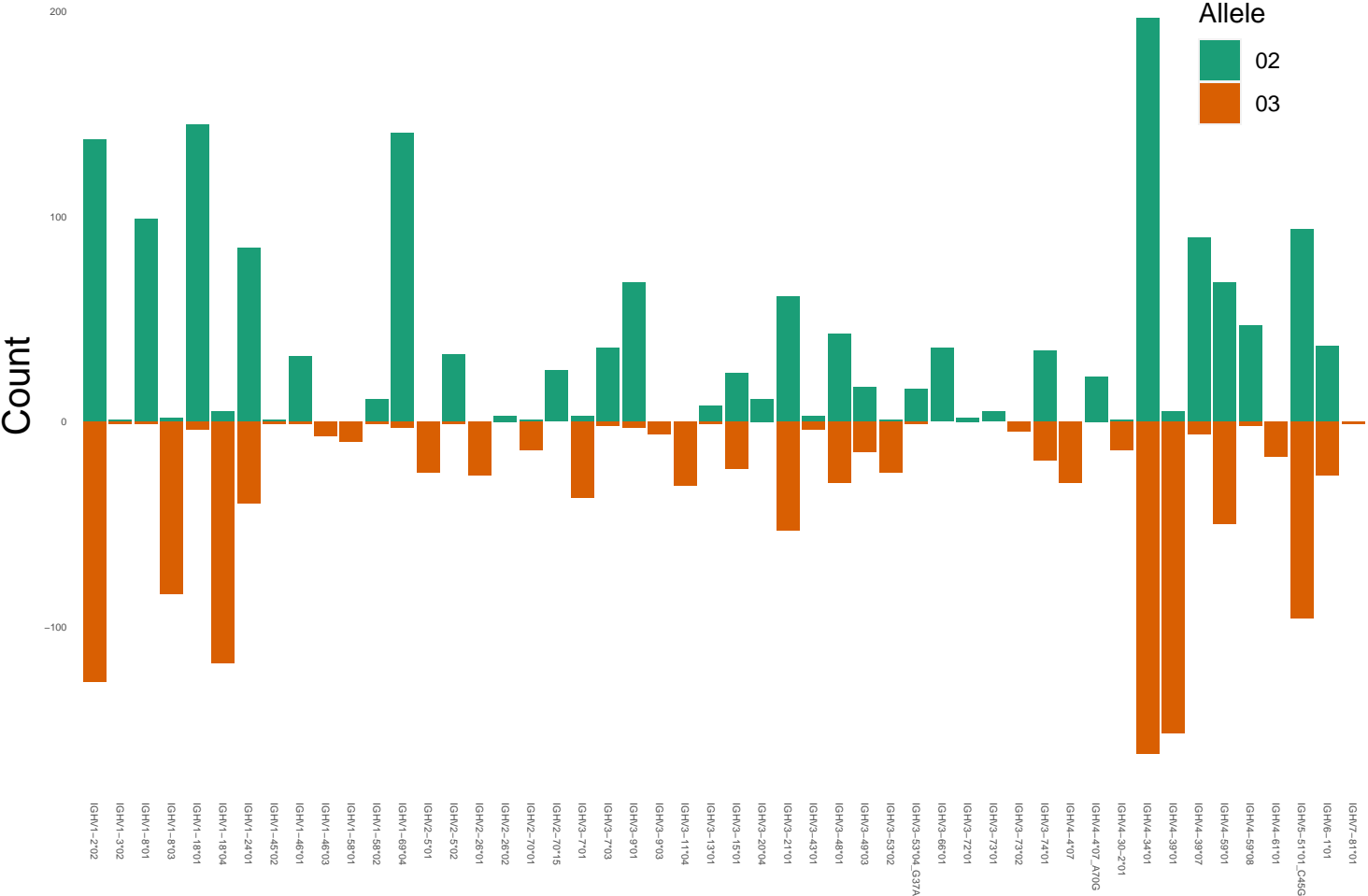
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.