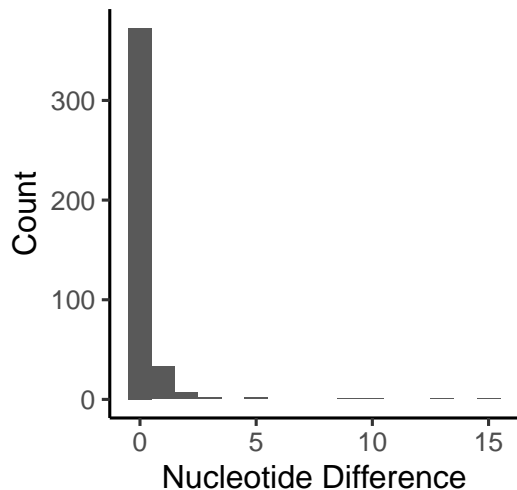


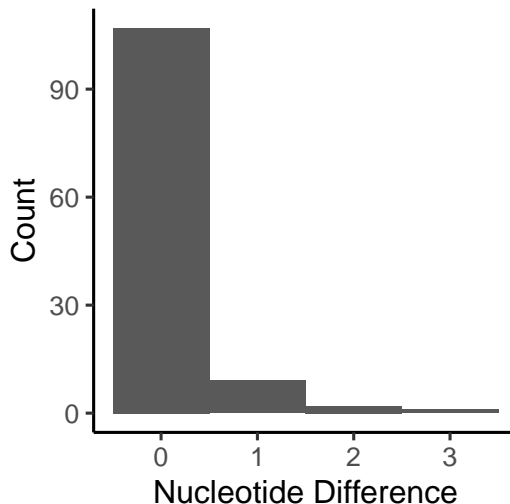
IGHV1-2*02

421 sequences assigned
373 (88.6%) exact matches, in which:
371 unique CDR3
7 unique J



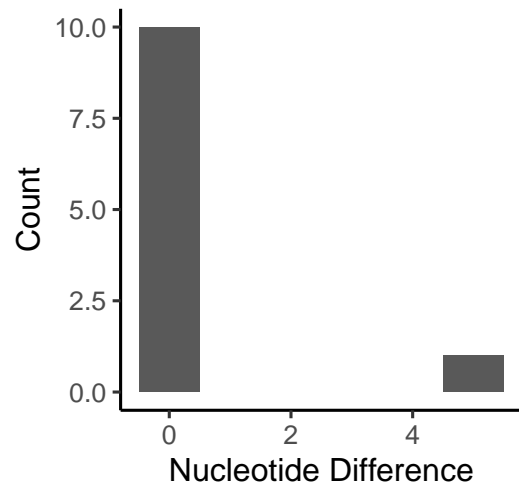
IGHV1-24*01

119 sequences assigned
107 (89.9%) exact matches, in which:
107 unique CDR3
7 unique J



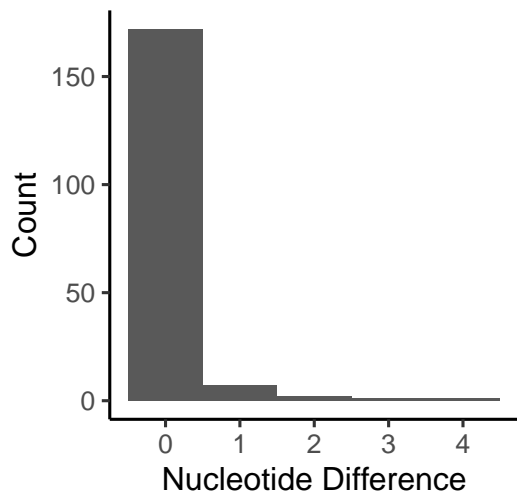
IGHV1-69-2*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
5 unique J



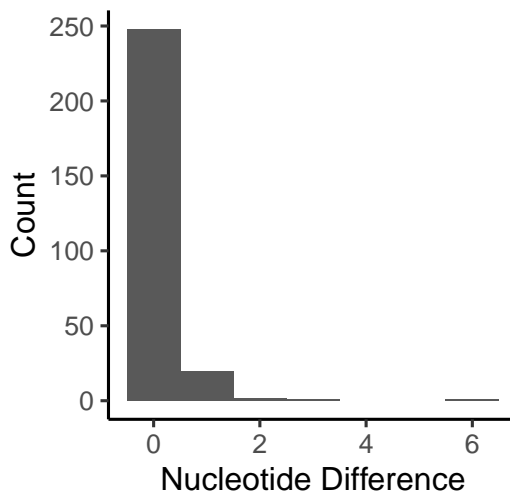
IGHV1-8*01

184 sequences assigned
172 (93.5%) exact matches, in which:
171 unique CDR3
5 unique J



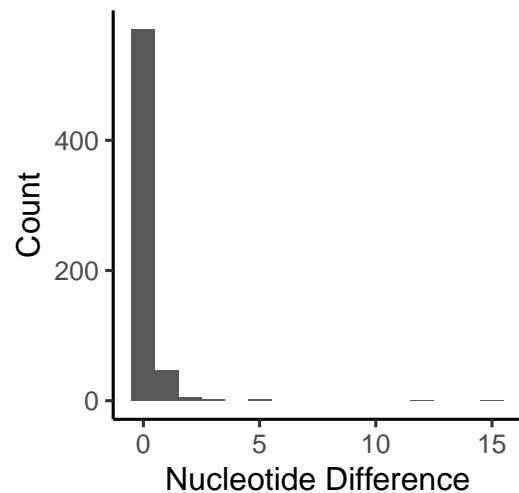
IGHV1-46*01

272 sequences assigned
248 (91.2%) exact matches, in which:
246 unique CDR3
7 unique J



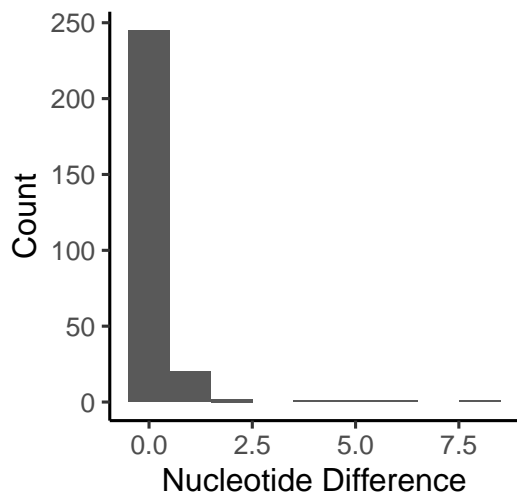
IGHV1-69*01

631 sequences assigned
571 (90.5%) exact matches, in which:
569 unique CDR3
7 unique J



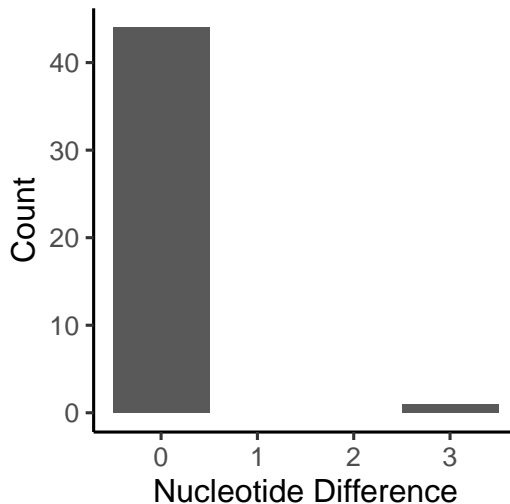
IGHV1-18*01

271 sequences assigned
245 (90.4%) exact matches, in which:
243 unique CDR3
7 unique J



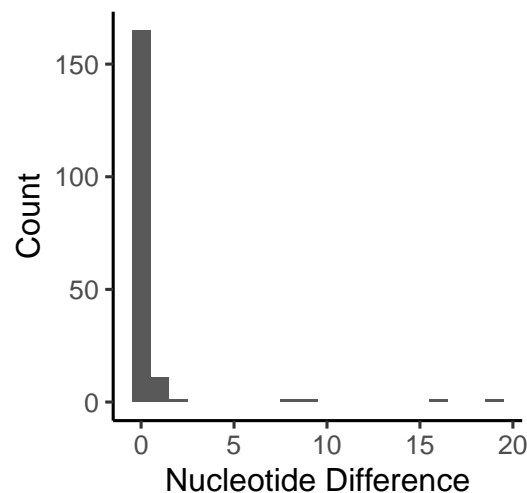
IGHV1-58*01

45 sequences assigned
44 (97.8%) exact matches, in which:
43 unique CDR3
6 unique J



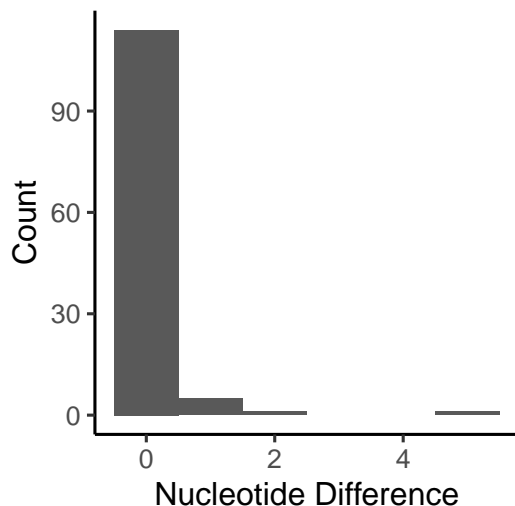
IGHV1-69*09

181 sequences assigned
165 (91.2%) exact matches, in which:
165 unique CDR3
6 unique J



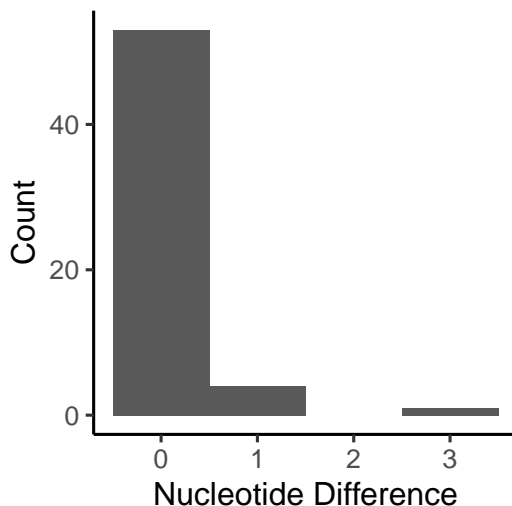
IGHV2-5*01

121 sequences assigned
114 (94.2%) exact matches, in which:
112 unique CDR3
6 unique J



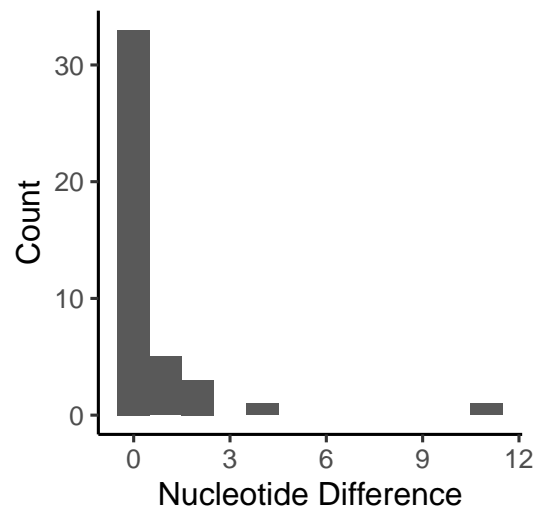
IGHV2-70*01

58 sequences assigned
53 (91.4%) exact matches, in which:
53 unique CDR3
7 unique J



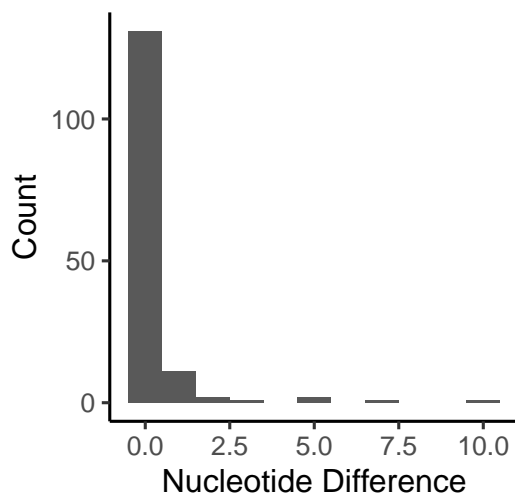
IGHV3-7*04

43 sequences assigned
33 (76.7%) exact matches, in which:
33 unique CDR3
5 unique J



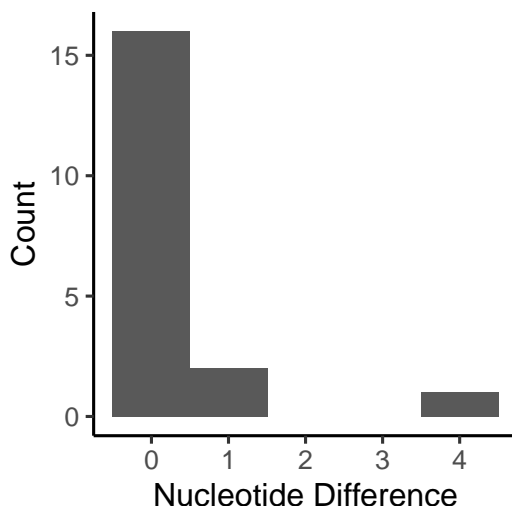
IGHV2-5*02

149 sequences assigned
131 (87.9%) exact matches, in which:
131 unique CDR3
6 unique J



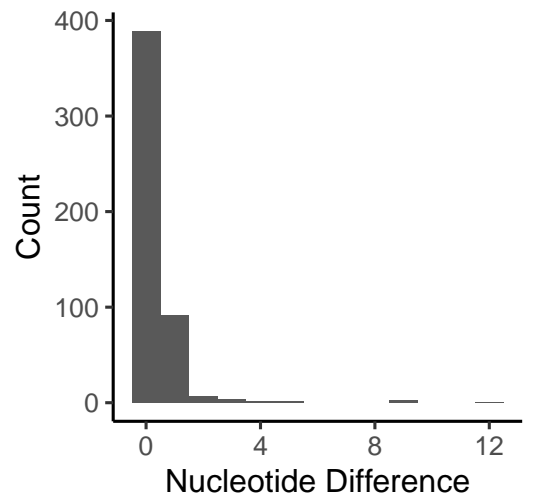
IGHV2-70*04

19 sequences assigned
16 (84.2%) exact matches, in which:
16 unique CDR3
3 unique J



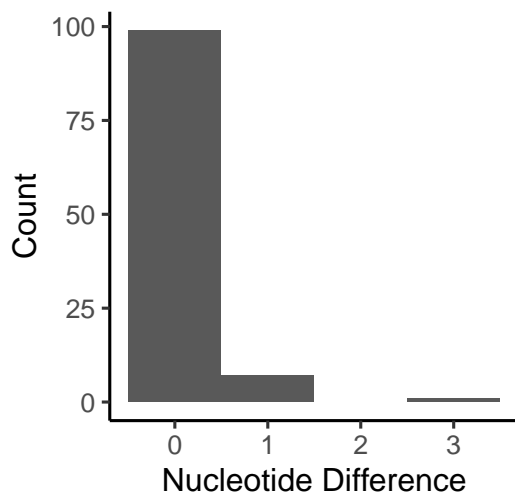
IGHV3-9*01

500 sequences assigned
389 (77.8%) exact matches, in which:
379 unique CDR3
6 unique J



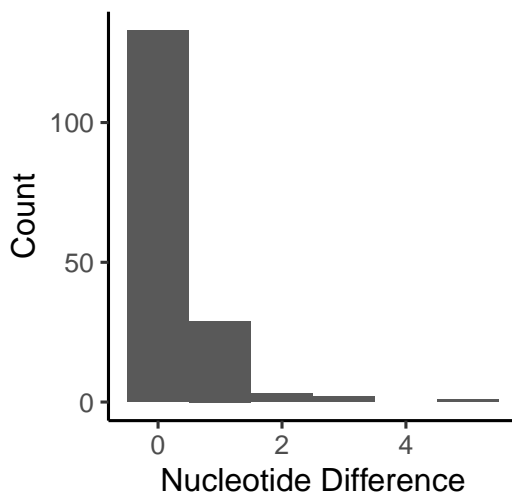
IGHV2-26*01

107 sequences assigned
99 (92.5%) exact matches, in which:
99 unique CDR3
6 unique J



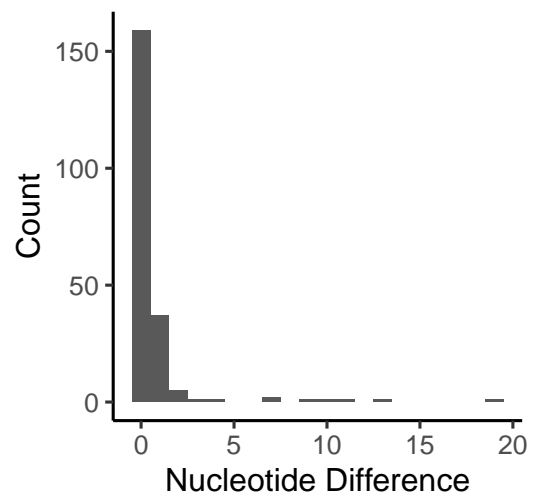
IGHV3-7*01

168 sequences assigned
133 (79.2%) exact matches, in which:
131 unique CDR3
6 unique J



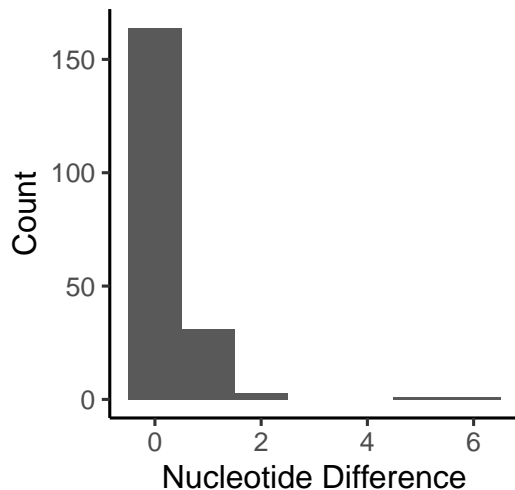
IGHV3-11*01

210 sequences assigned
159 (75.7%) exact matches, in which:
157 unique CDR3
6 unique J



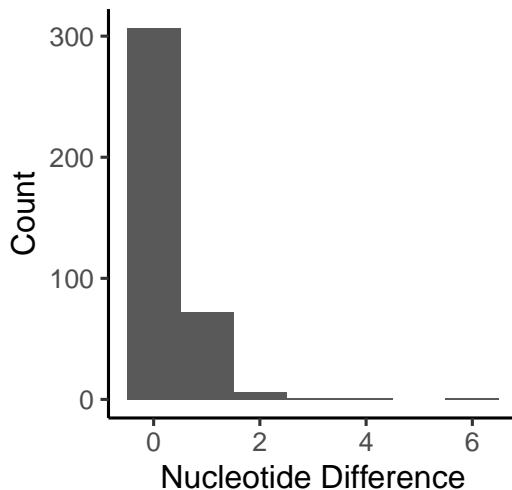
IGHV3-11*05

200 sequences assigned
164 (82%) exact matches, in which:
162 unique CDR3
6 unique J



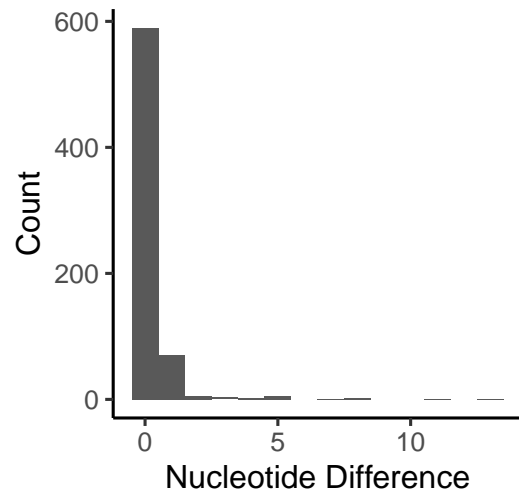
IGHV3-15*01

388 sequences assigned
307 (79.1%) exact matches, in which:
306 unique CDR3
7 unique J



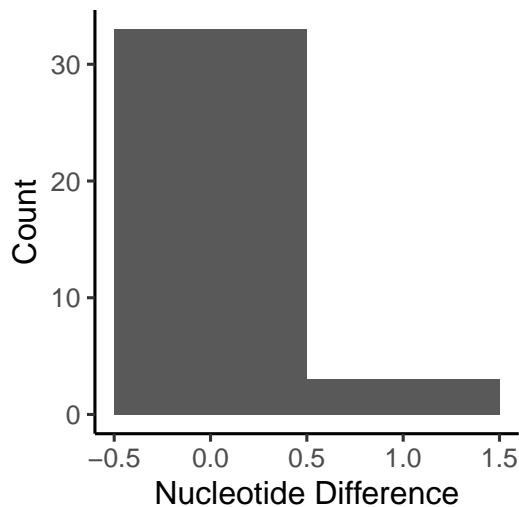
IGHV3-21*01

680 sequences assigned
590 (86.8%) exact matches, in which:
589 unique CDR3
7 unique J



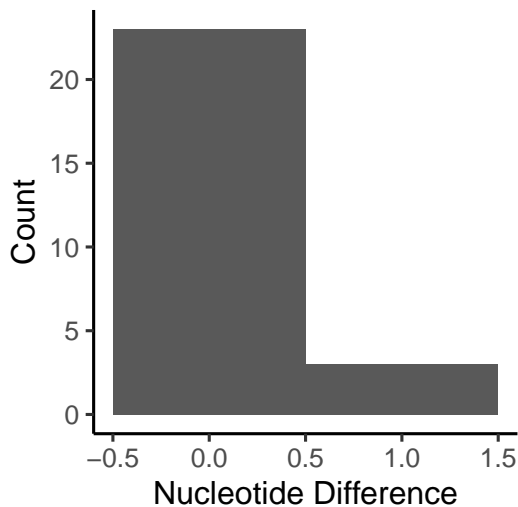
IGHV3-13*01

36 sequences assigned
33 (91.7%) exact matches, in which:
33 unique CDR3
6 unique J



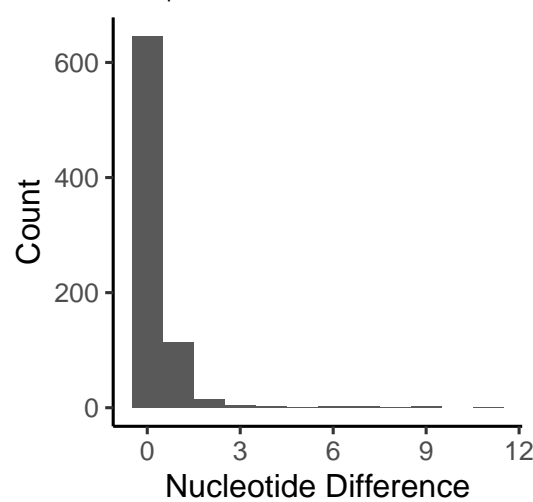
IGHV3-20*01

26 sequences assigned
23 (88.5%) exact matches, in which:
23 unique CDR3
6 unique J



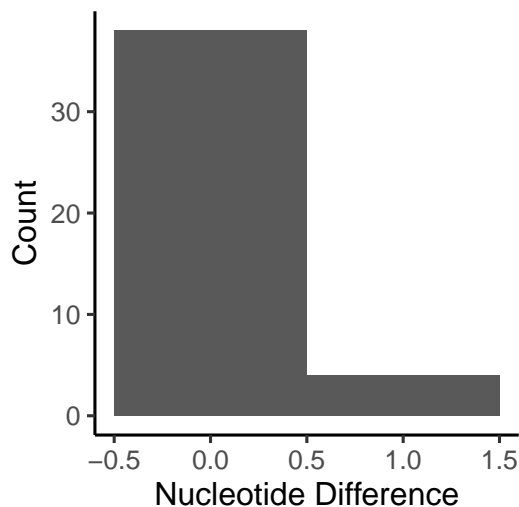
IGHV3-23*01

792 sequences assigned
646 (81.6%) exact matches, in which:
635 unique CDR3
7 unique J



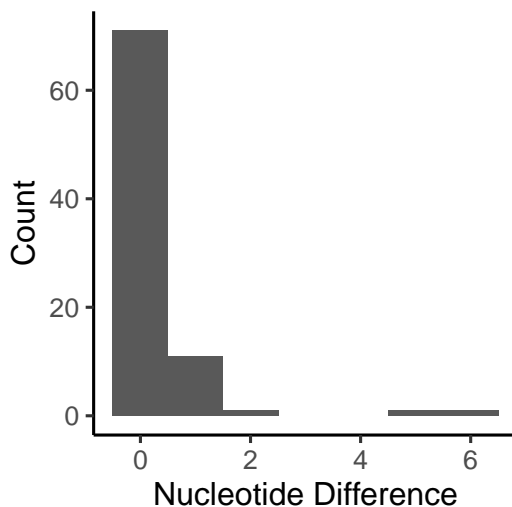
IGHV3-13*04

42 sequences assigned
38 (90.5%) exact matches, in which:
38 unique CDR3
5 unique J



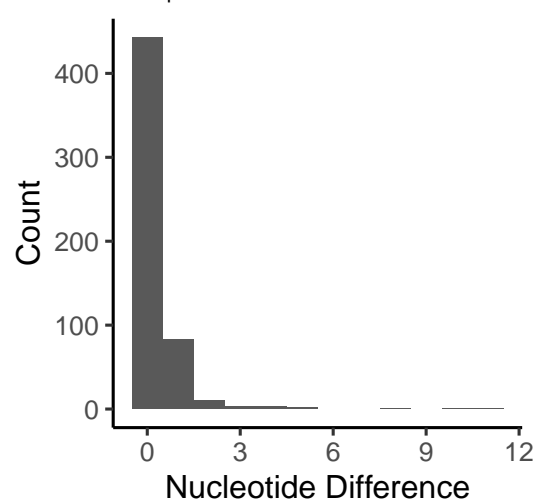
IGHV3-20*04

85 sequences assigned
71 (83.5%) exact matches, in which:
71 unique CDR3
6 unique J



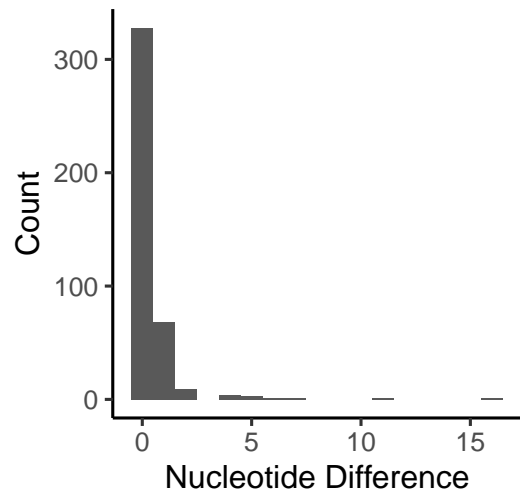
IGHV3-30-3*01

547 sequences assigned
443 (81%) exact matches, in which:
436 unique CDR3
6 unique J



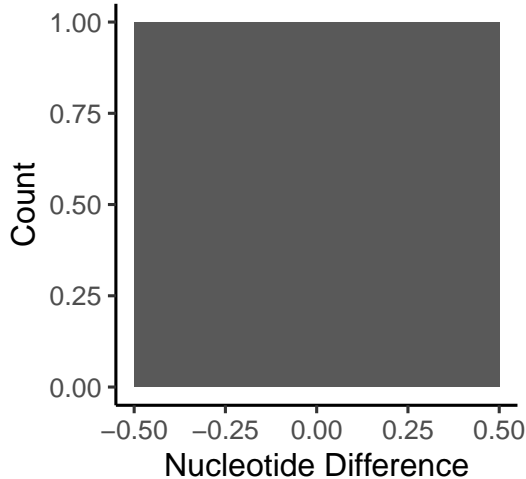
IGHV3–30*04

416 sequences assigned
328 (78.8%) exact matches, in which:
322 unique CDR3
6 unique J



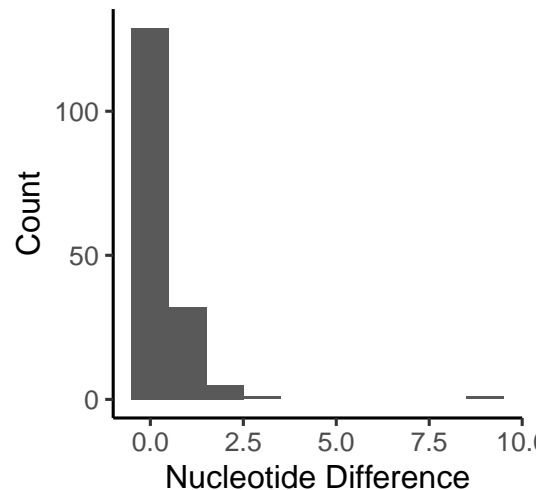
IGHV3–35*01

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



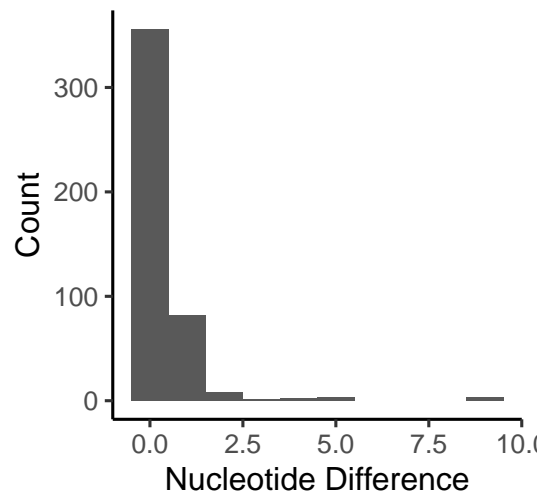
IGHV3–49*05

168 sequences assigned
129 (76.8%) exact matches, in which:
129 unique CDR3
7 unique J



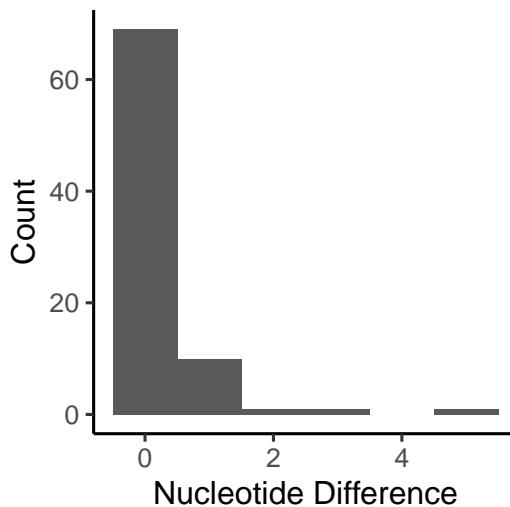
IGHV3–30*18

456 sequences assigned
356 (78.1%) exact matches, in which:
348 unique CDR3
6 unique J



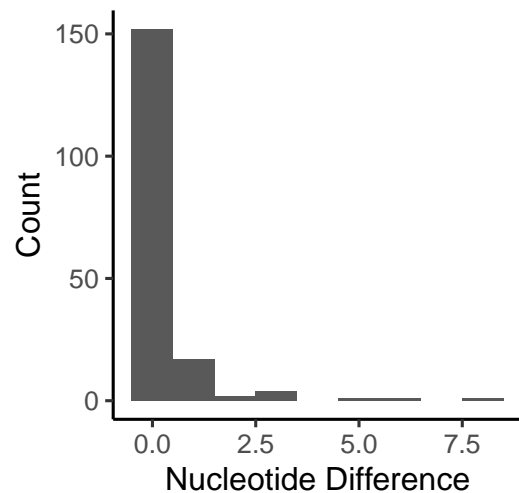
IGHV3–43*01

82 sequences assigned
69 (84.1%) exact matches, in which:
67 unique CDR3
6 unique J



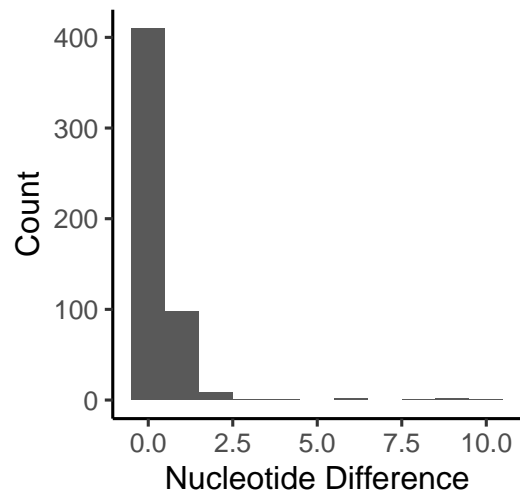
IGHV3–53*01

179 sequences assigned
152 (84.9%) exact matches, in which:
149 unique CDR3
7 unique J



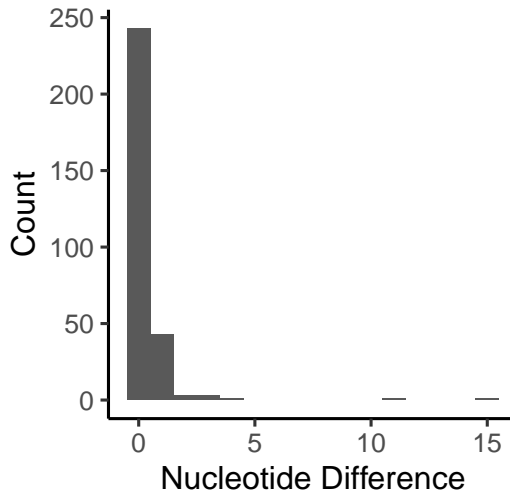
IGHV3–33*01

524 sequences assigned
410 (78.2%) exact matches, in which:
400 unique CDR3
7 unique J



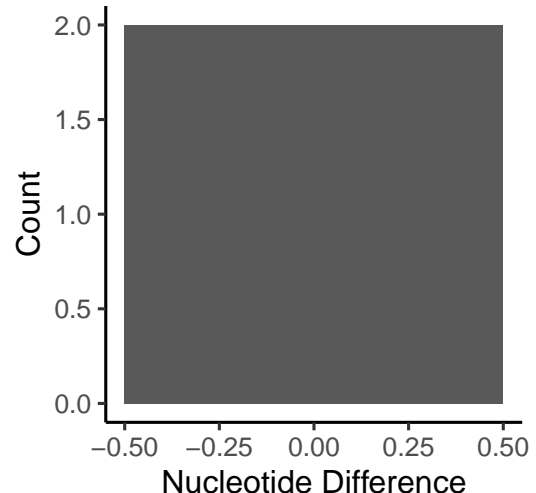
IGHV3–48*02

295 sequences assigned
243 (82.4%) exact matches, in which:
243 unique CDR3
7 unique J



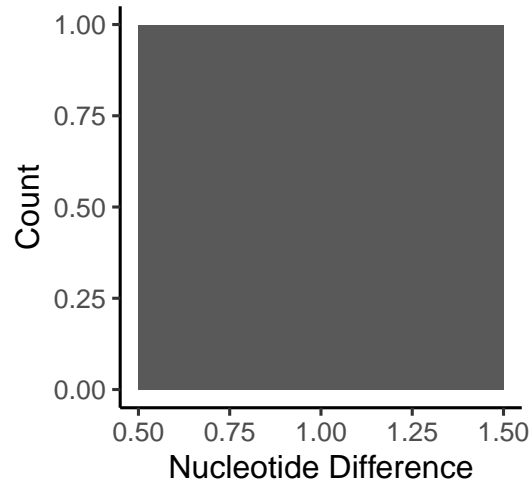
IGHV3–64*02

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



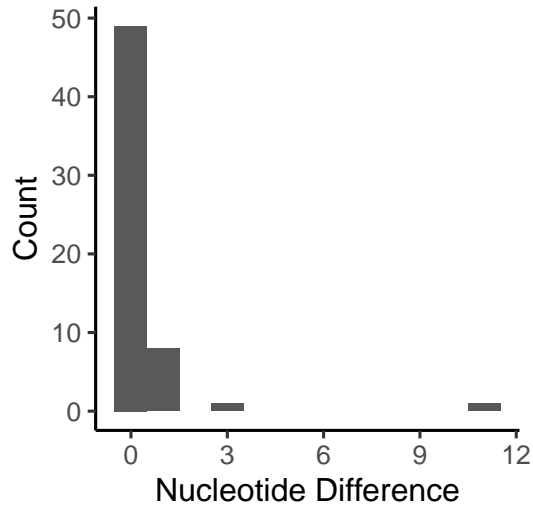
IGHV3-66*03

1 sequences assigned
No exact matches.



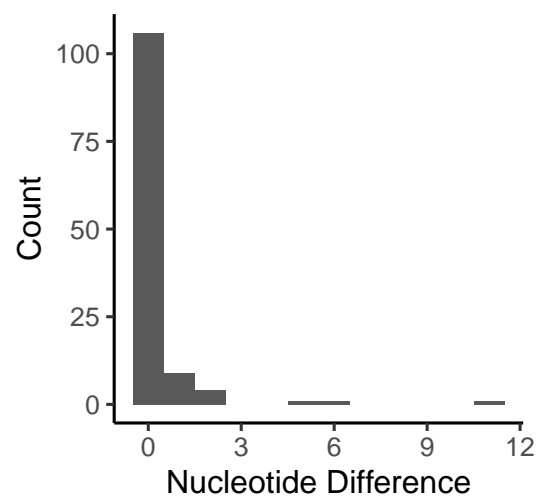
IGHV3-73*02

59 sequences assigned
49 (83.1%) exact matches, in which:
49 unique CDR3
5 unique J



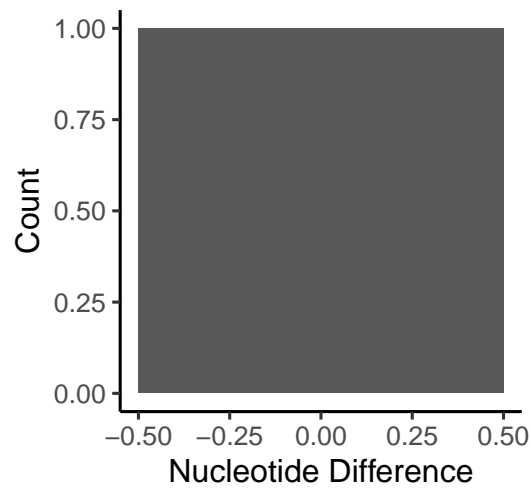
IGHV4-4*02

122 sequences assigned
106 (86.9%) exact matches, in which:
106 unique CDR3
6 unique J



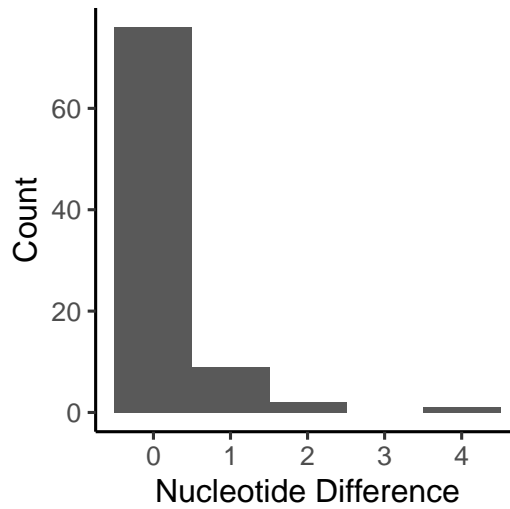
IGHV3-69-1*02

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



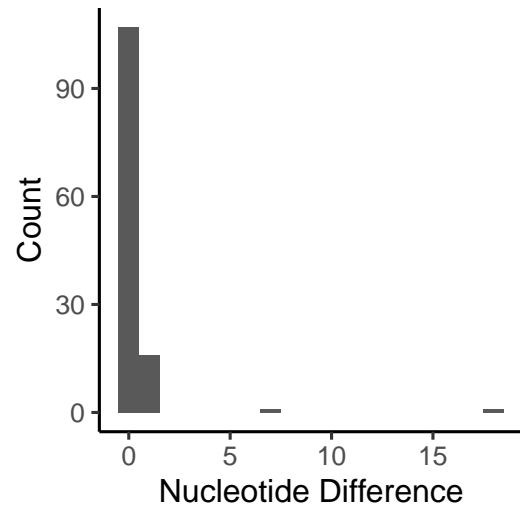
IGHV3-74*01

88 sequences assigned
76 (86.4%) exact matches, in which:
75 unique CDR3
6 unique J



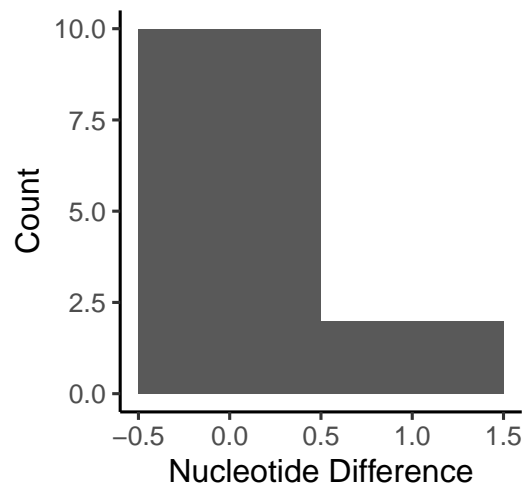
IGHV4-4*07

125 sequences assigned
107 (85.6%) exact matches, in which:
107 unique CDR3
5 unique J



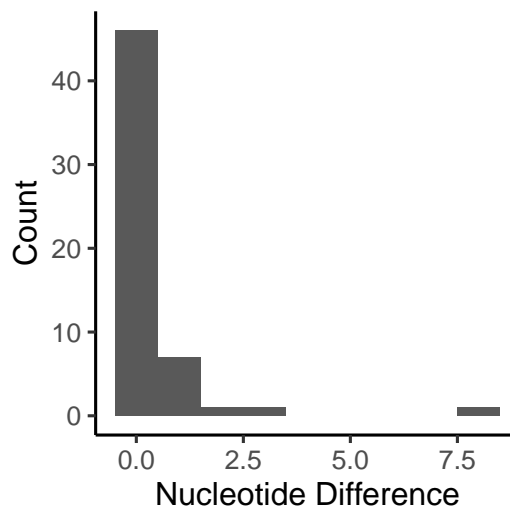
IGHV3-72*01

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



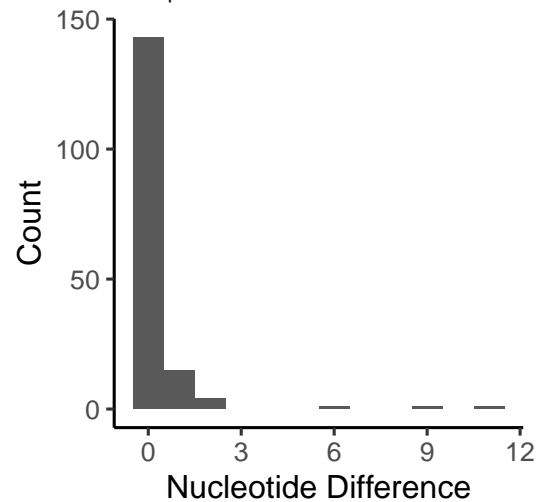
IGHV3-64D*06

56 sequences assigned
46 (82.1%) exact matches, in which:
46 unique CDR3
6 unique J



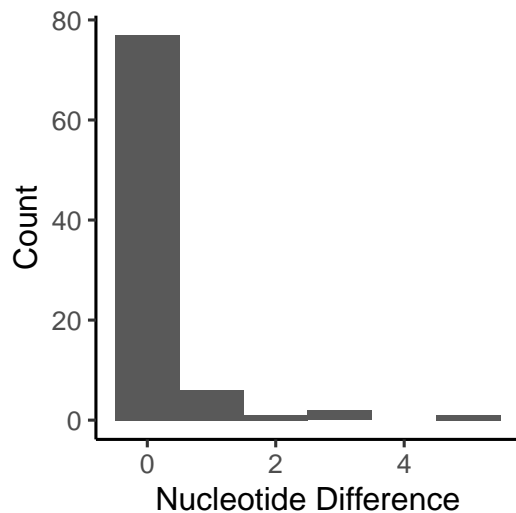
IGHV4-30-4*01

165 sequences assigned
143 (86.7%) exact matches, in which:
142 unique CDR3
6 unique J



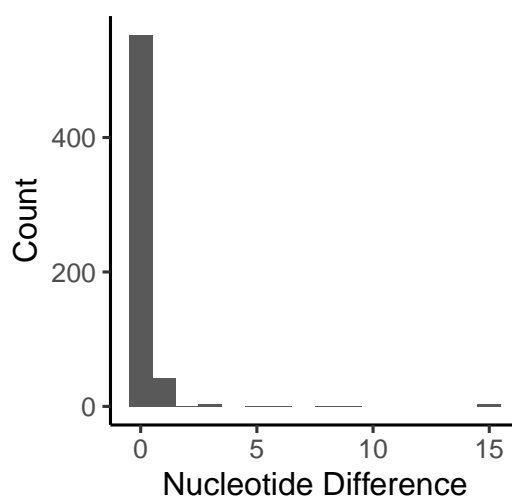
IGHV4-30-2*01

88 sequences assigned
77 (87.5%) exact matches, in which:
77 unique CDR3
6 unique J



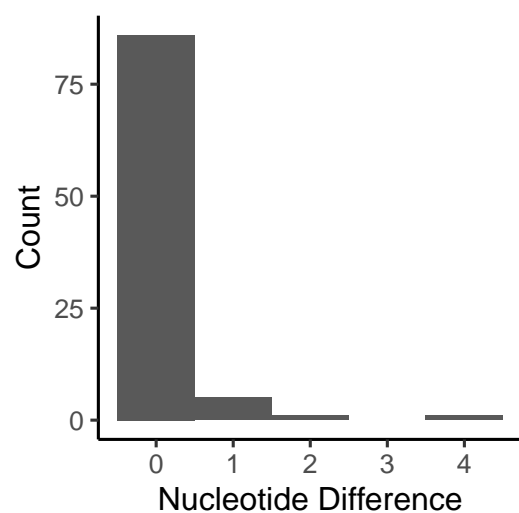
IGHV4-39*01

606 sequences assigned
553 (91.3%) exact matches, in which:
546 unique CDR3
7 unique J



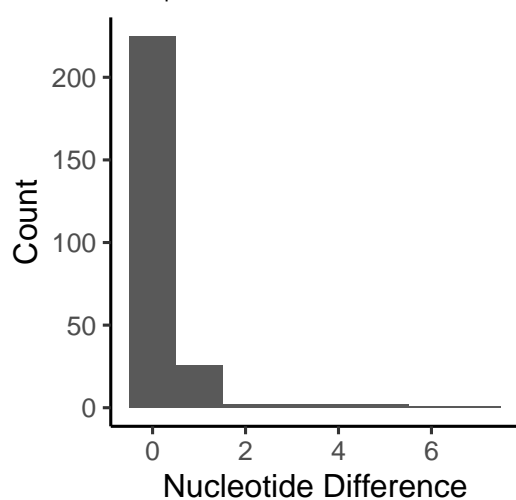
IGHV5-10-1*01

93 sequences assigned
86 (92.5%) exact matches, in which:
86 unique CDR3
6 unique J



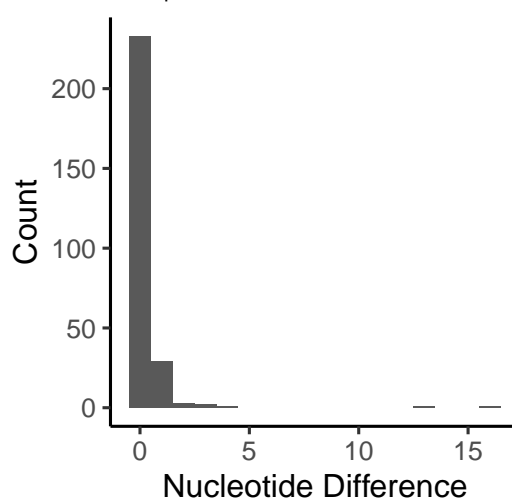
IGHV4-31*03

261 sequences assigned
225 (86.2%) exact matches, in which:
224 unique CDR3
7 unique J



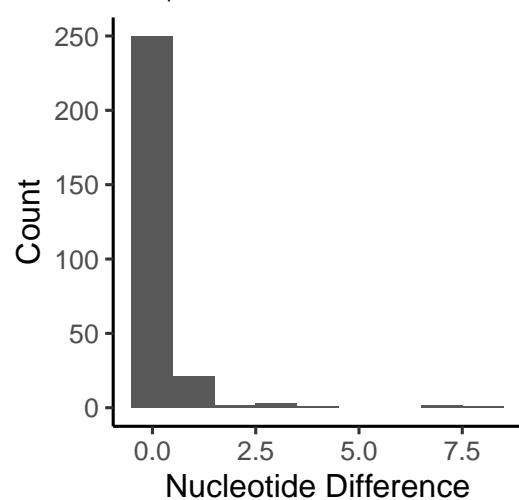
IGHV4-59*01

270 sequences assigned
233 (86.3%) exact matches, in which:
232 unique CDR3
7 unique J



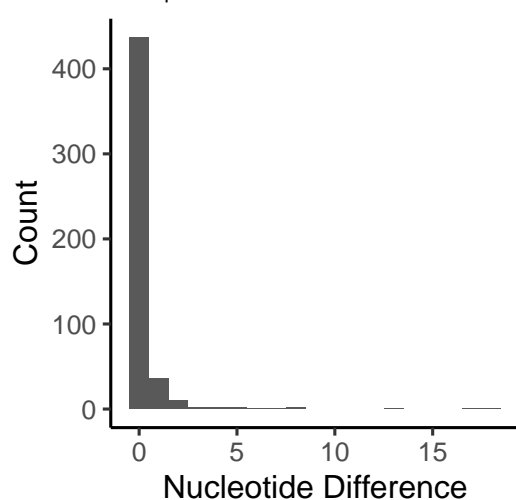
IGHV5-51*01

280 sequences assigned
250 (89.3%) exact matches, in which:
249 unique CDR3
7 unique J



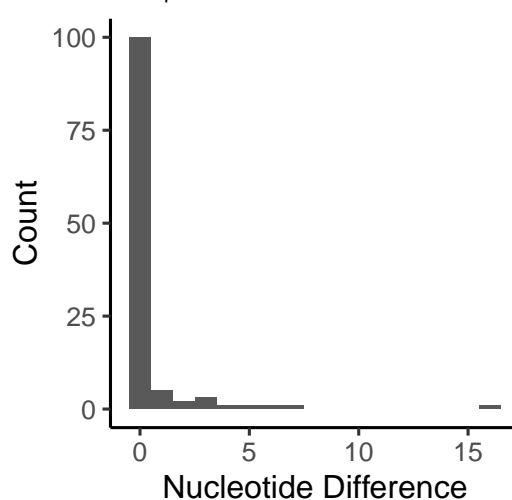
IGHV4-34*01

496 sequences assigned
437 (88.1%) exact matches, in which:
433 unique CDR3
7 unique J



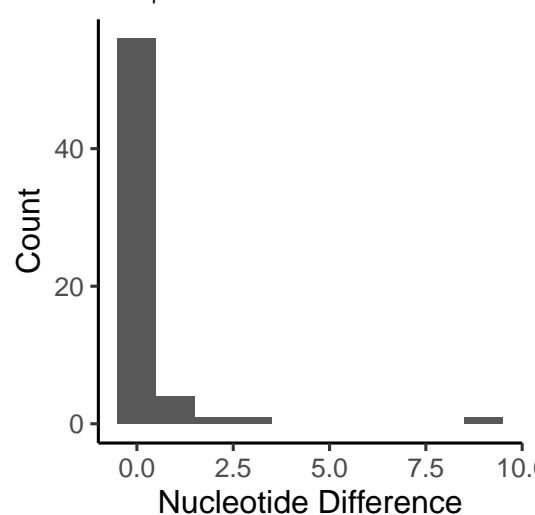
IGHV4-61*01

115 sequences assigned
100 (87%) exact matches, in which:
99 unique CDR3
7 unique J



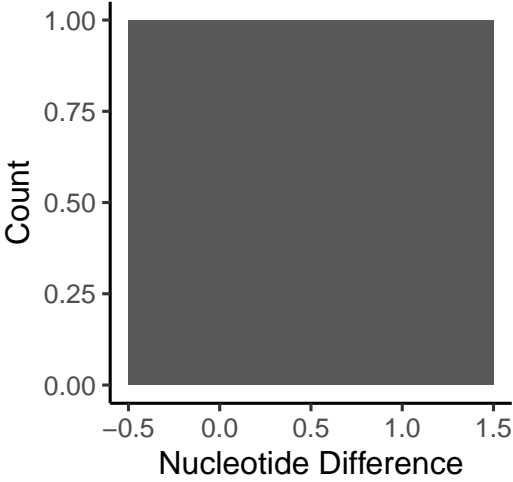
IGHV6-1*01

63 sequences assigned
56 (88.9%) exact matches, in which:
56 unique CDR3
5 unique J

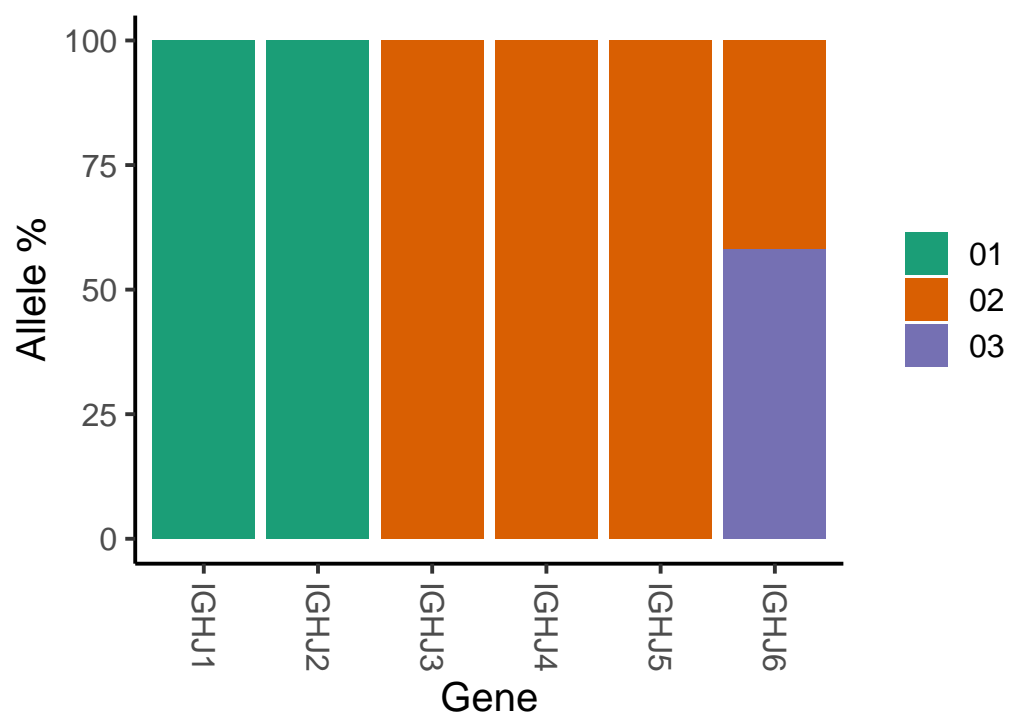


IGHV7-4-1*01

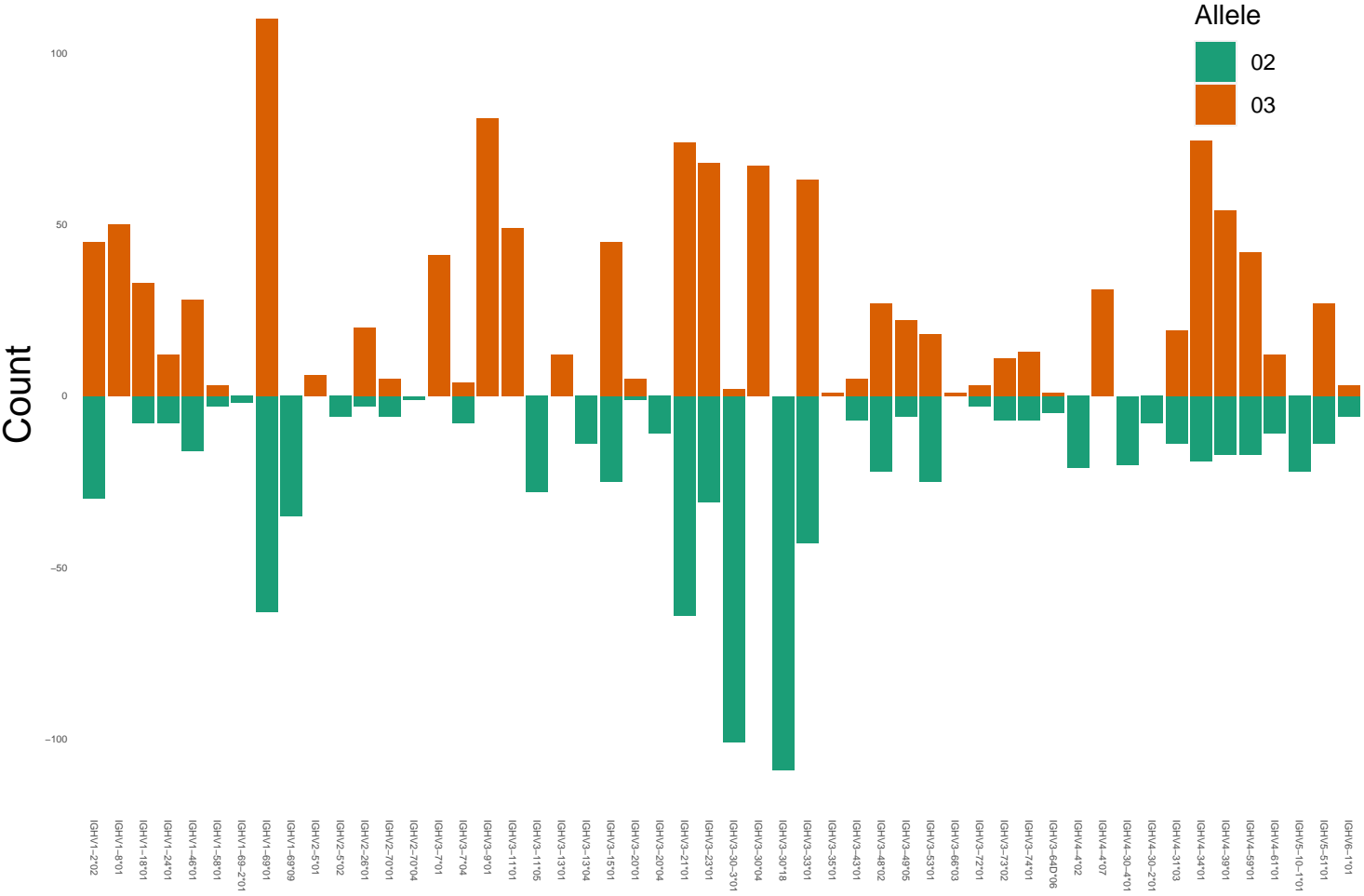
2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.