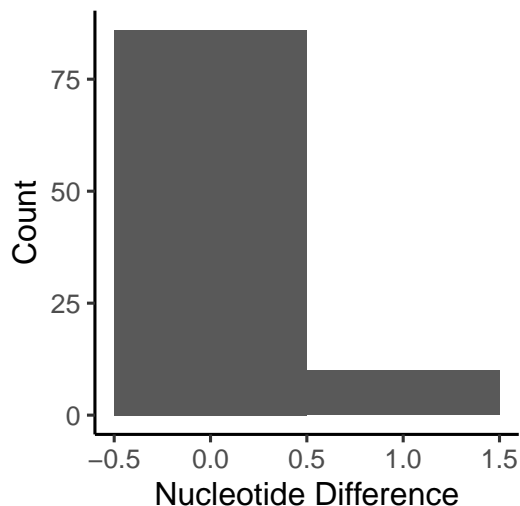


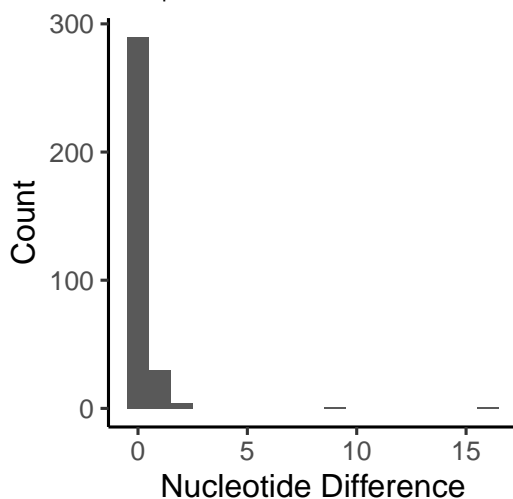
IGHV1-2*04

96 sequences assigned
86 (89.6%) exact matches, in which:
84 unique CDR3
6 unique J



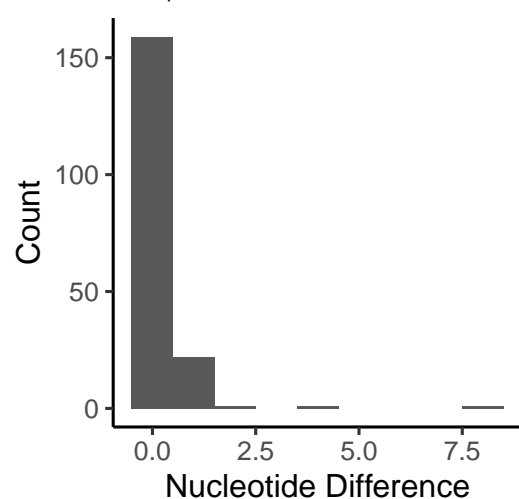
IGHV1-8*01

326 sequences assigned
290 (89%) exact matches, in which:
289 unique CDR3
6 unique J



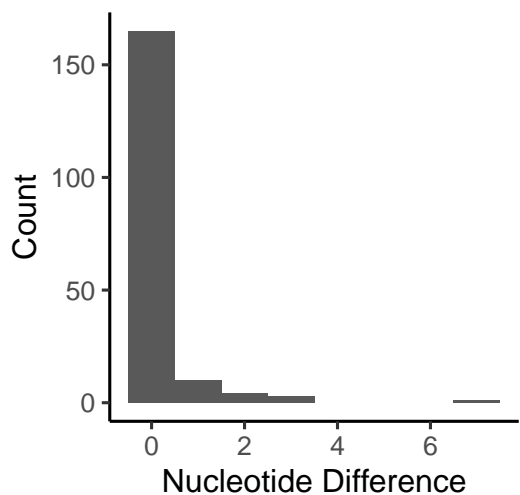
IGHV1-46*01

184 sequences assigned
159 (86.4%) exact matches, in which:
158 unique CDR3
7 unique J



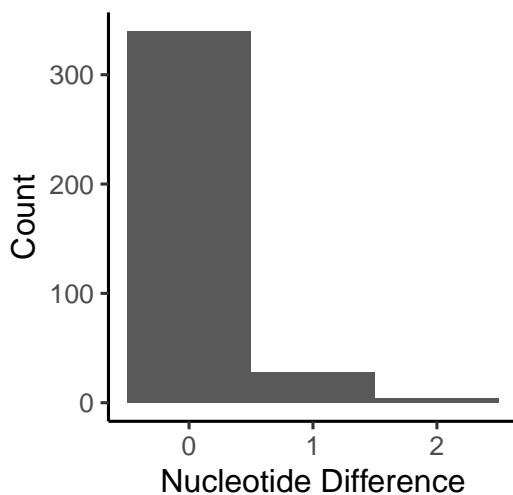
IGHV1-2*06

183 sequences assigned
165 (90.2%) exact matches, in which:
160 unique CDR3
7 unique J



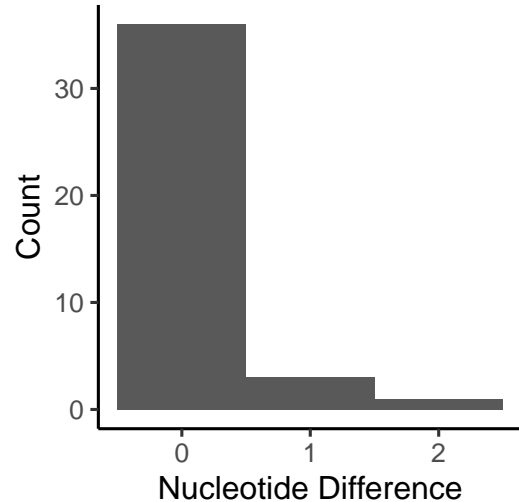
IGHV1-18*01

372 sequences assigned
340 (91.4%) exact matches, in which:
339 unique CDR3
7 unique J



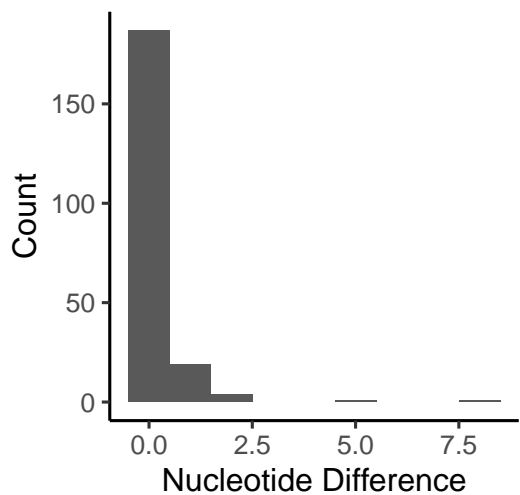
IGHV1-58*01

40 sequences assigned
36 (90%) exact matches, in which:
35 unique CDR3
7 unique J



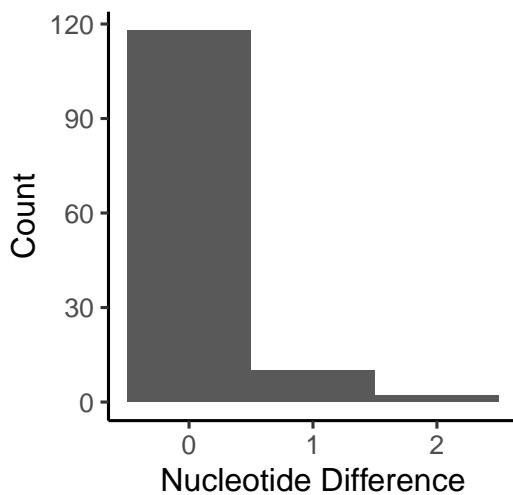
IGHV1-3*01

212 sequences assigned
187 (88.2%) exact matches, in which:
187 unique CDR3
7 unique J



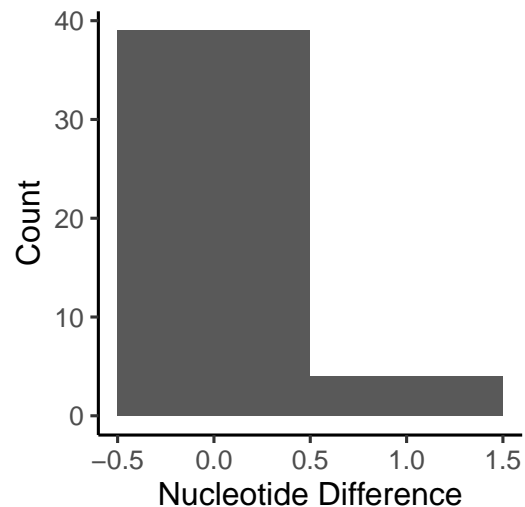
IGHV1-24*01

130 sequences assigned
118 (90.8%) exact matches, in which:
118 unique CDR3
7 unique J



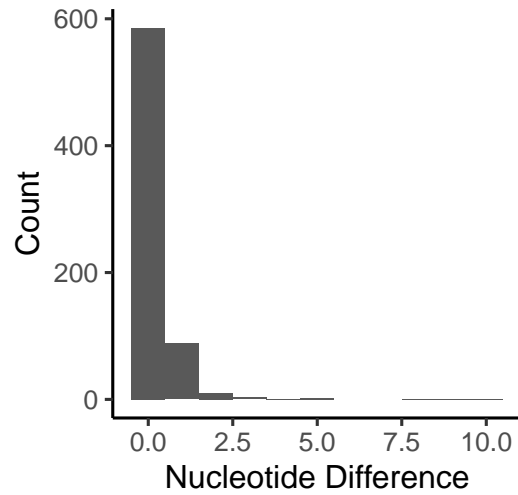
IGHV1-69-2*01

43 sequences assigned
39 (90.7%) exact matches, in which:
39 unique CDR3
5 unique J



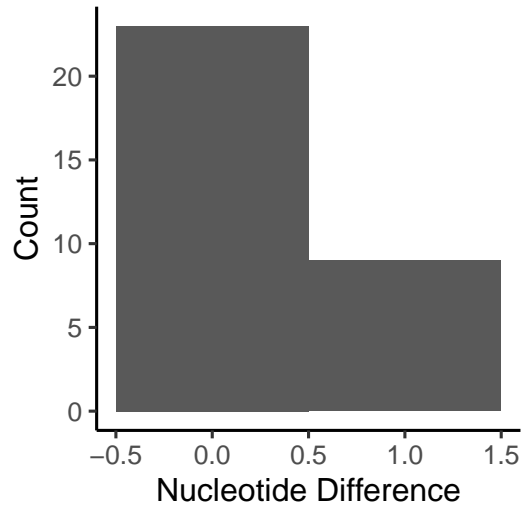
IGHV1–69*06

693 sequences assigned
586 (84.6%) exact matches, in which:
580 unique CDR3
7 unique J



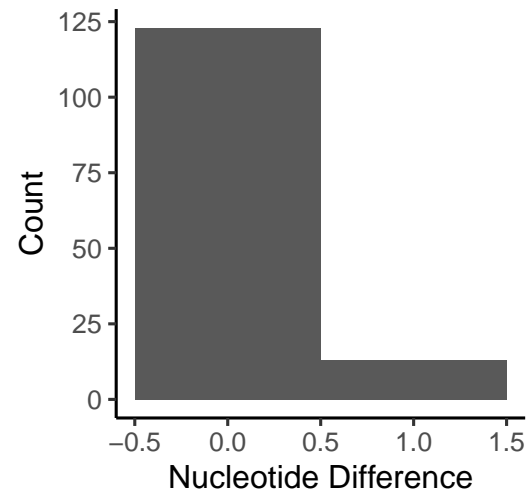
IGHV2–70*01

32 sequences assigned
23 (71.9%) exact matches, in which:
23 unique CDR3
6 unique J



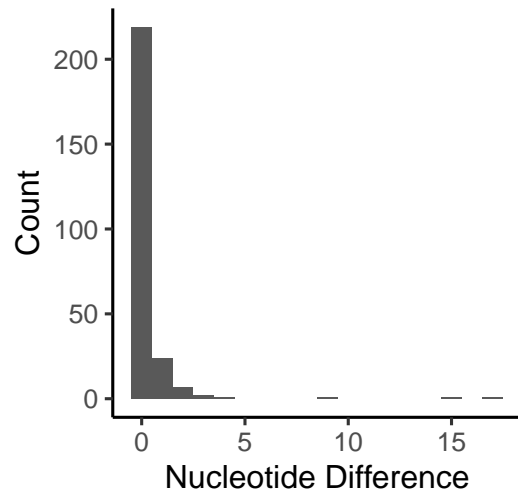
IGHV3–11*01

136 sequences assigned
123 (90.4%) exact matches, in which:
123 unique CDR3
6 unique J



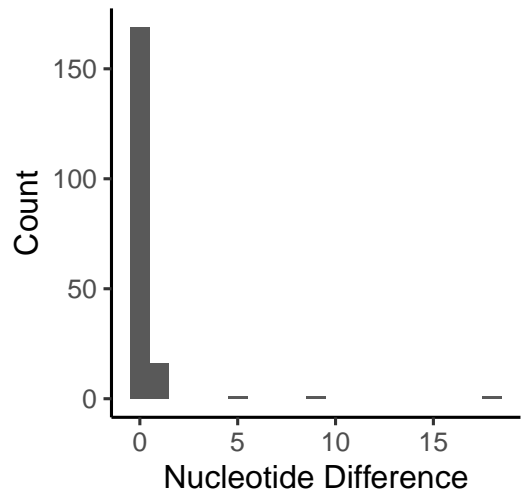
IGHV2–5*02

256 sequences assigned
219 (85.5%) exact matches, in which:
218 unique CDR3
7 unique J



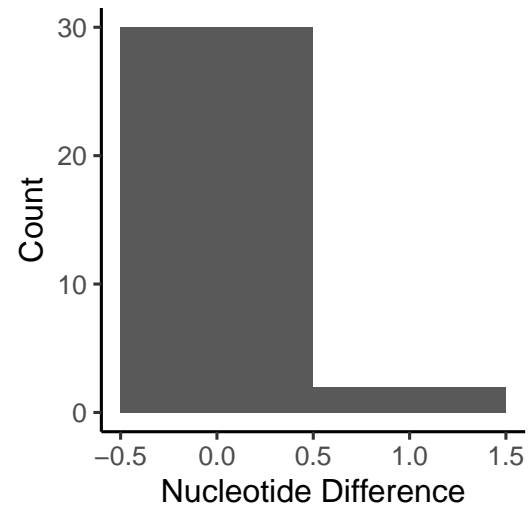
IGHV3–7*01

188 sequences assigned
169 (89.9%) exact matches, in which:
168 unique CDR3
7 unique J



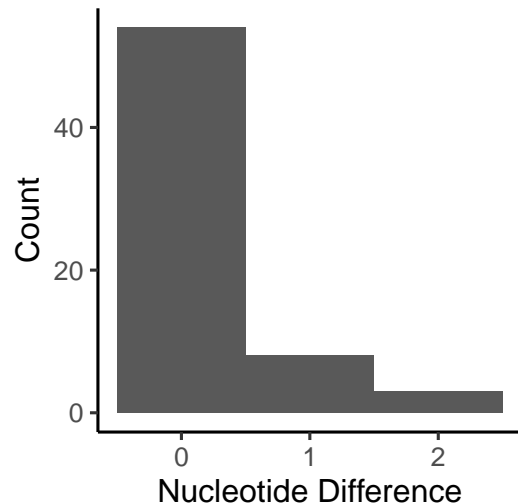
IGHV3–13*01

32 sequences assigned
30 (93.8%) exact matches, in which:
30 unique CDR3
6 unique J



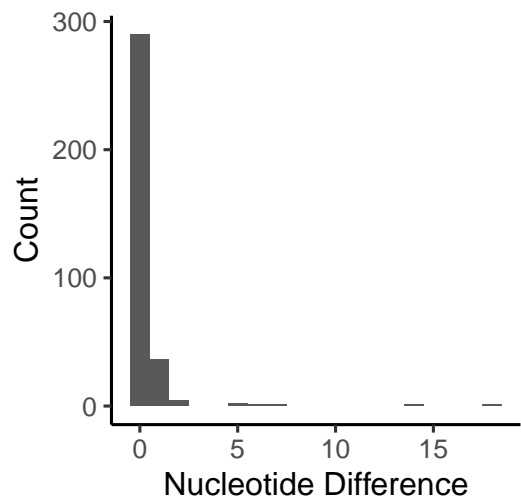
IGHV2–26*01

65 sequences assigned
54 (83.1%) exact matches, in which:
54 unique CDR3
6 unique J



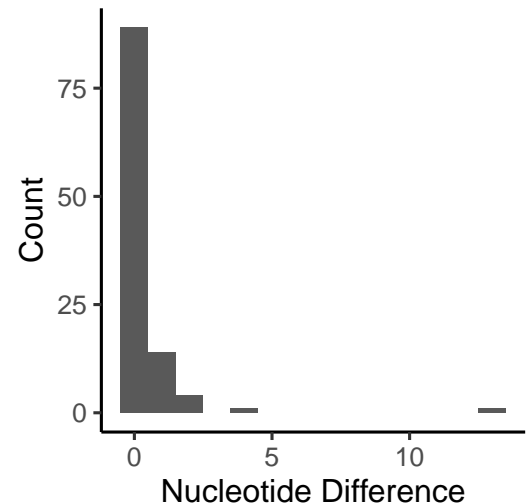
IGHV3–9*01

336 sequences assigned
290 (86.3%) exact matches, in which:
286 unique CDR3
7 unique J



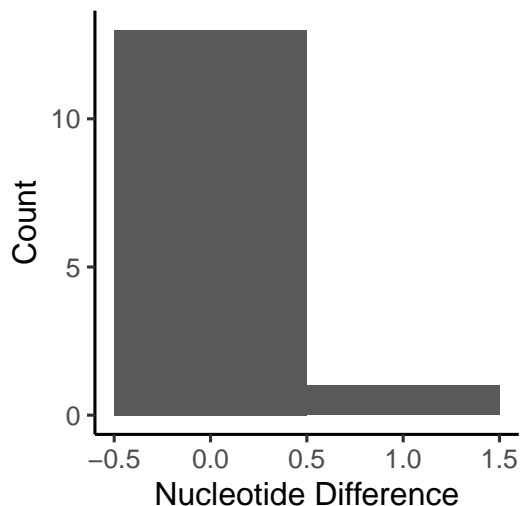
IGHV3–15*01

109 sequences assigned
89 (81.7%) exact matches, in which:
89 unique CDR3
6 unique J



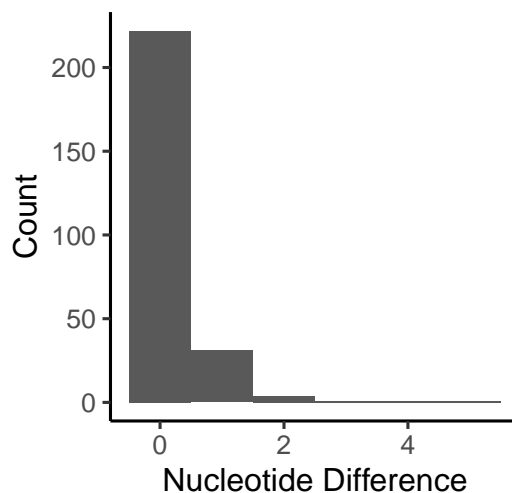
IGHV3-20*01

14 sequences assigned
13 (92.9%) exact matches, in which:
13 unique CDR3
6 unique J



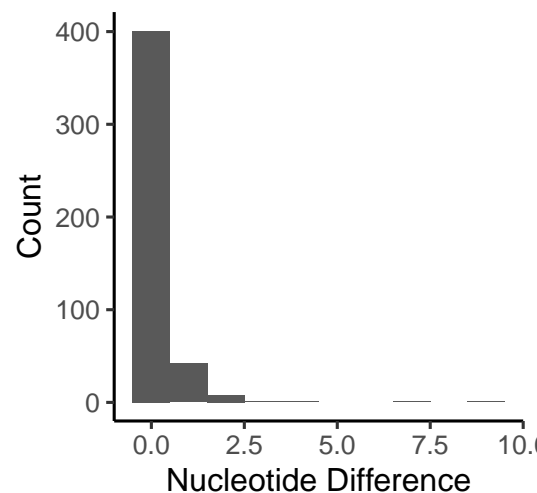
IGHV3-30-3*01

260 sequences assigned
222 (85.4%) exact matches, in which:
220 unique CDR3
6 unique J



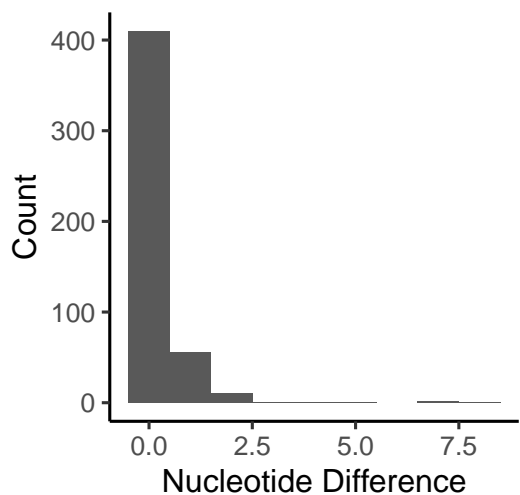
IGHV3-48*03

455 sequences assigned
401 (88.1%) exact matches, in which:
400 unique CDR3
7 unique J



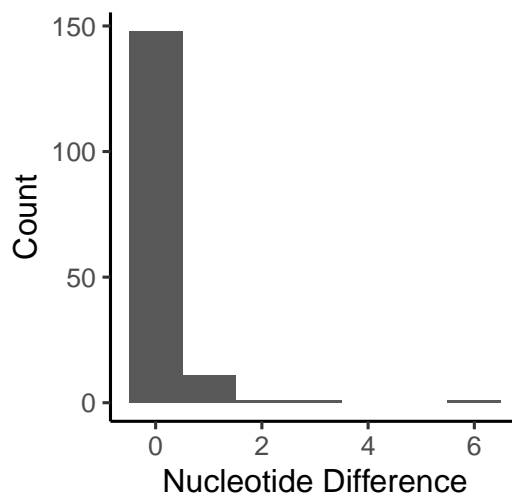
IGHV3-21*01

483 sequences assigned
410 (84.9%) exact matches, in which:
405 unique CDR3
7 unique J



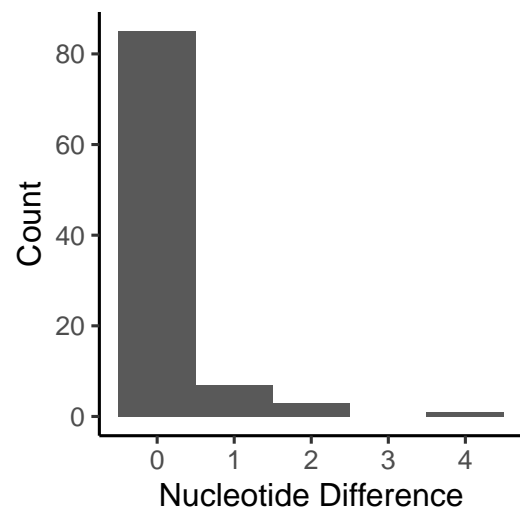
IGHV3-33*01

163 sequences assigned
148 (90.8%) exact matches, in which:
146 unique CDR3
7 unique J



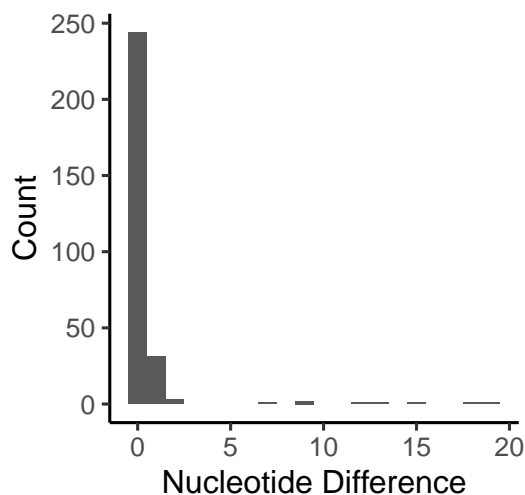
IGHV3-49*04

97 sequences assigned
85 (87.6%) exact matches, in which:
83 unique CDR3
7 unique J



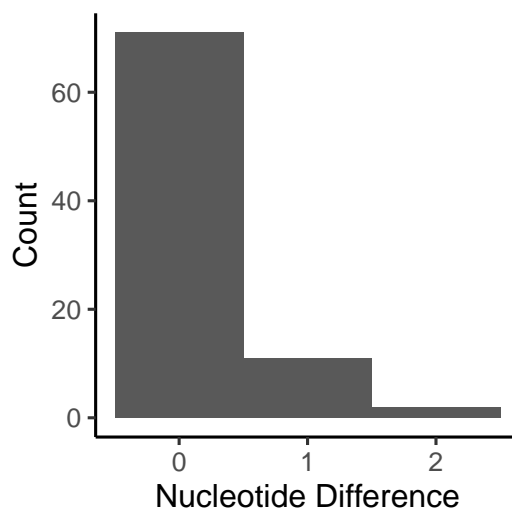
IGHV3-23*04

286 sequences assigned
244 (85.3%) exact matches, in which:
241 unique CDR3
6 unique J



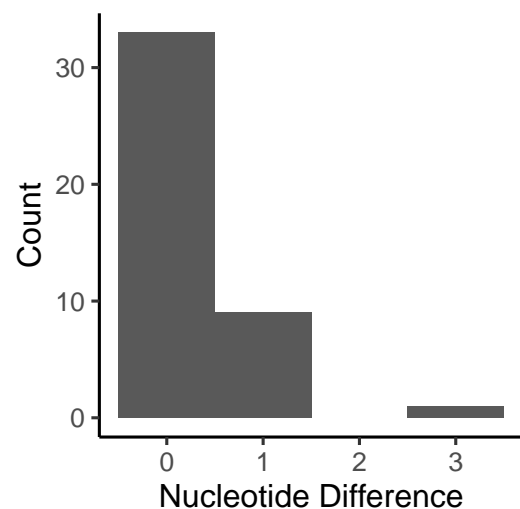
IGHV3-43*02

84 sequences assigned
71 (84.5%) exact matches, in which:
71 unique CDR3
6 unique J



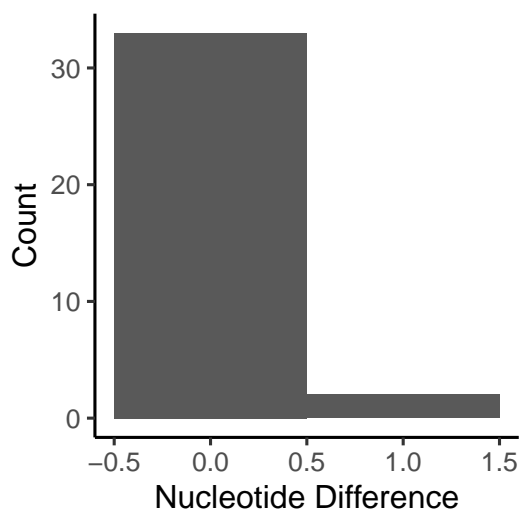
IGHV3-53*02

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



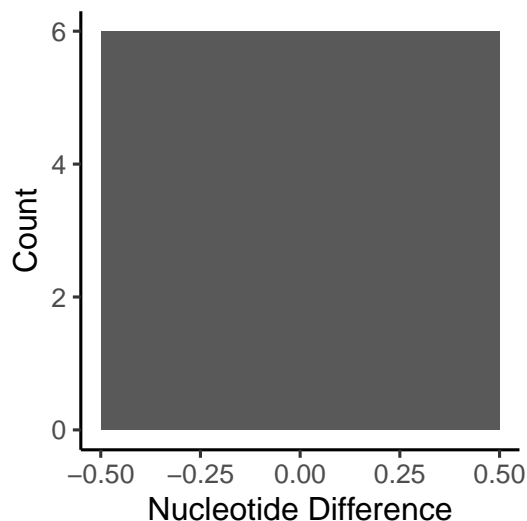
IGHV3-53*04

35 sequences assigned
33 (94.3%) exact matches, in which:
33 unique CDR3
4 unique J



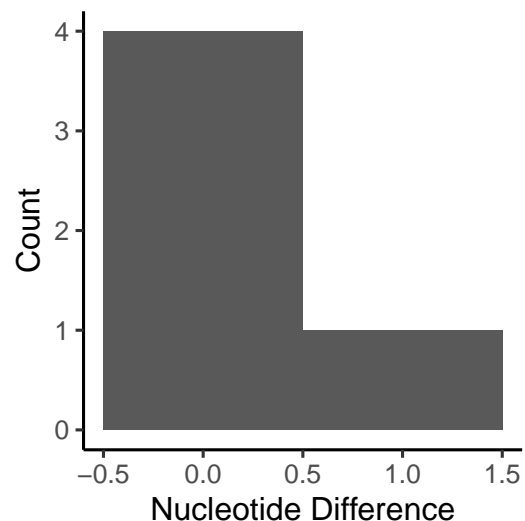
IGHV3-72*01

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



IGHV3-43D*04

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
3 unique J



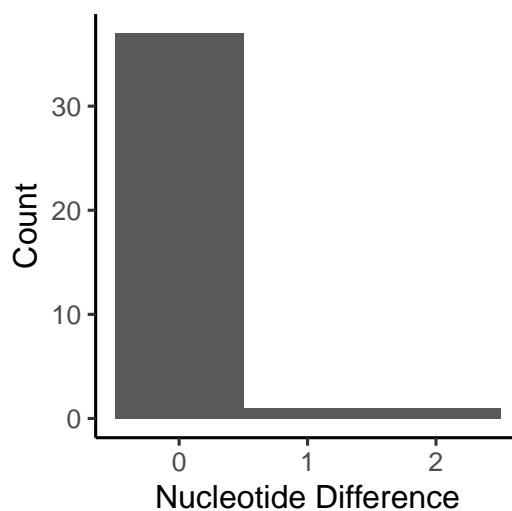
IGHV3-64*02

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



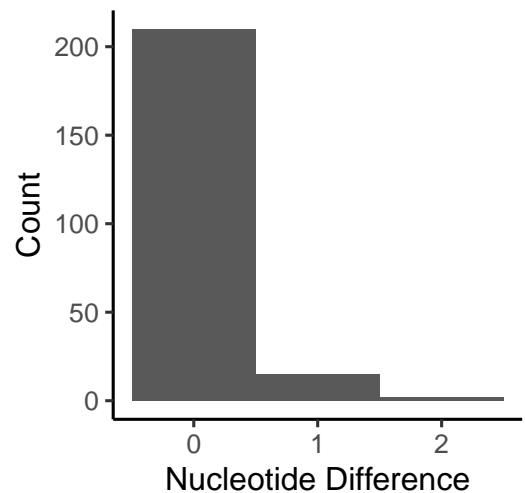
IGHV3-73*02

39 sequences assigned
37 (94.9%) exact matches, in which:
36 unique CDR3
7 unique J



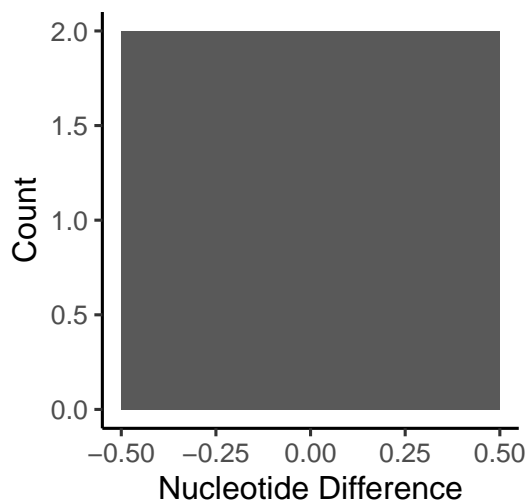
IGHV4-4*02

227 sequences assigned
210 (92.5%) exact matches, in which:
210 unique CDR3
7 unique J



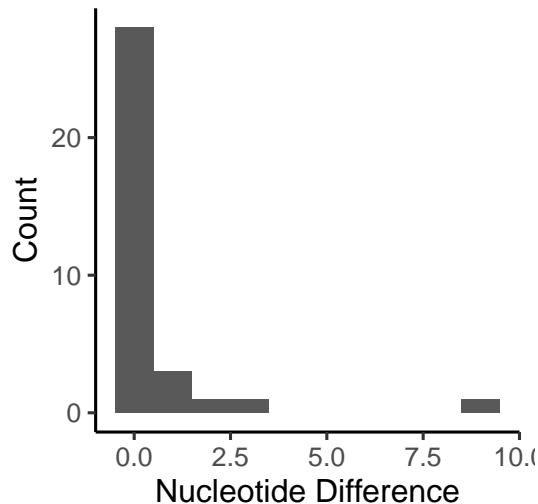
IGHV3-66*03

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



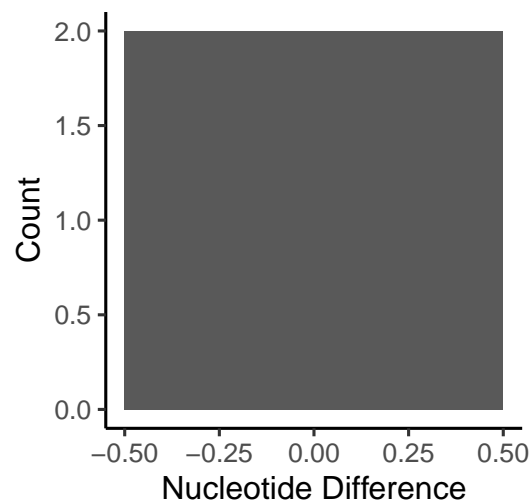
IGHV3-74*01

35 sequences assigned
28 (80%) exact matches, in which:
28 unique CDR3
5 unique J



IGHV4-28*01

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



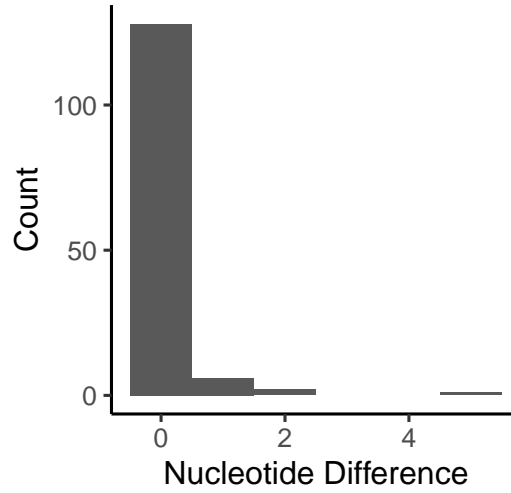
IGHV4-28*02

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



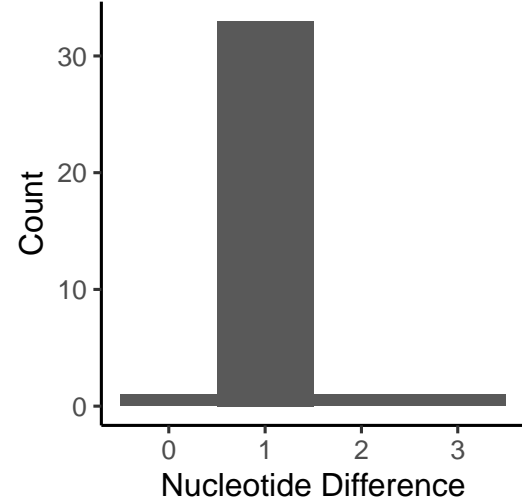
IGHV4-31*03

137 sequences assigned
128 (93.4%) exact matches, in which:
127 unique CDR3
6 unique J



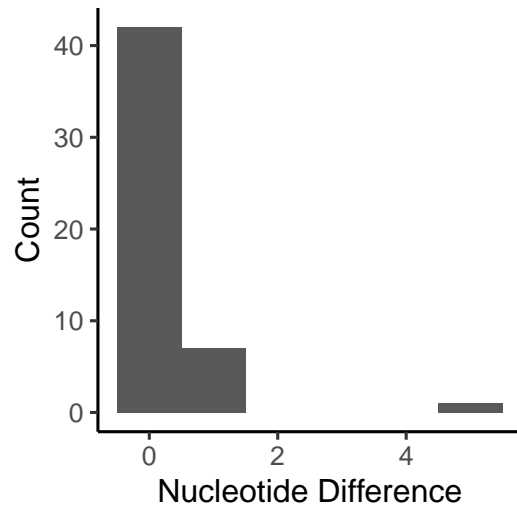
IGHV4-38-2*02

36 sequences assigned
1 (2.8%) exact matches, in which:
1 unique CDR3
1 unique J



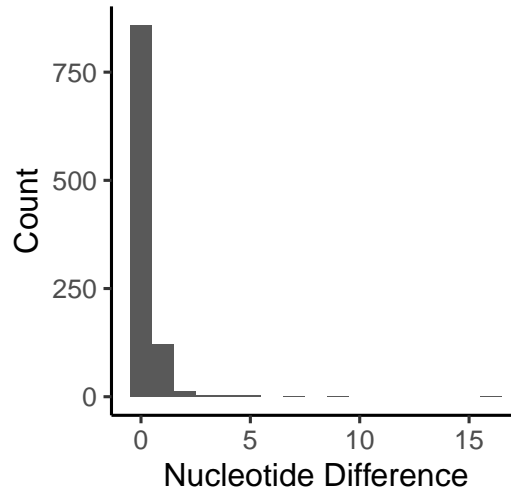
IGHV4-30-2*01

50 sequences assigned
42 (84%) exact matches, in which:
42 unique CDR3
5 unique J



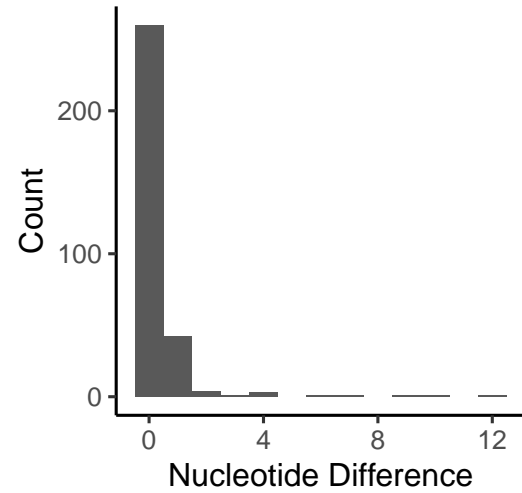
IGHV4-34*01

1007 sequences assigned
859 (85.3%) exact matches, in which:
837 unique CDR3
7 unique J



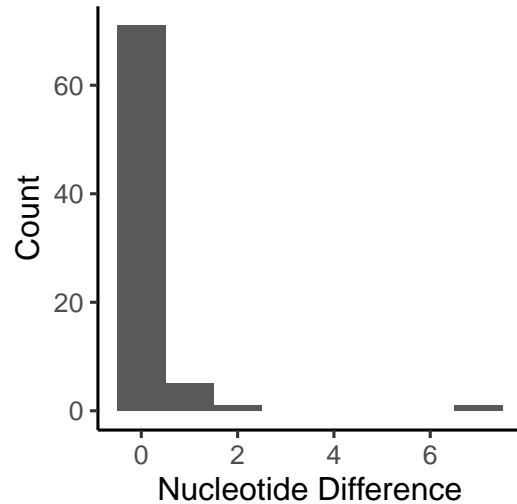
IGHV4-39*01

316 sequences assigned
260 (82.3%) exact matches, in which:
259 unique CDR3
6 unique J



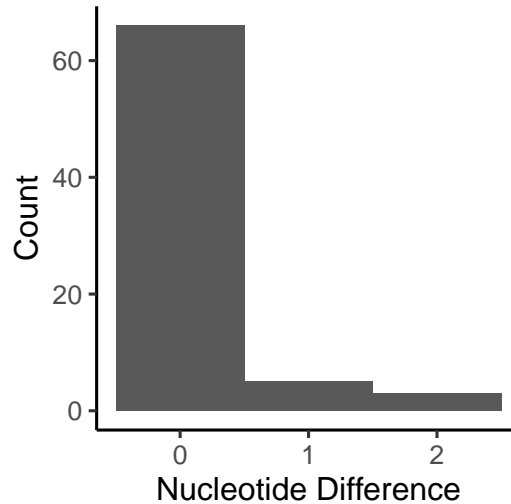
IGHV4-30-4*01

78 sequences assigned
71 (91%) exact matches, in which:
71 unique CDR3
5 unique J



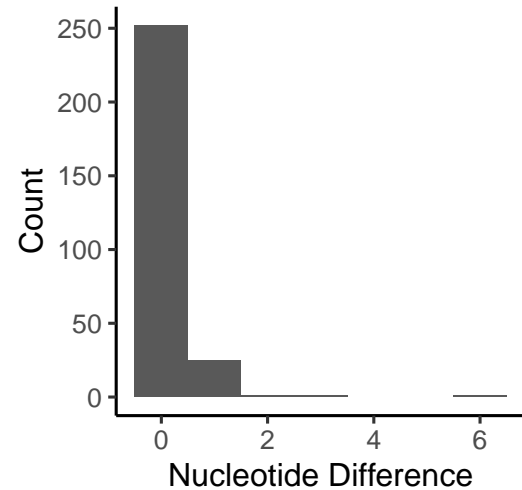
IGHV4-38-2*01

74 sequences assigned
66 (89.2%) exact matches, in which:
66 unique CDR3
6 unique J



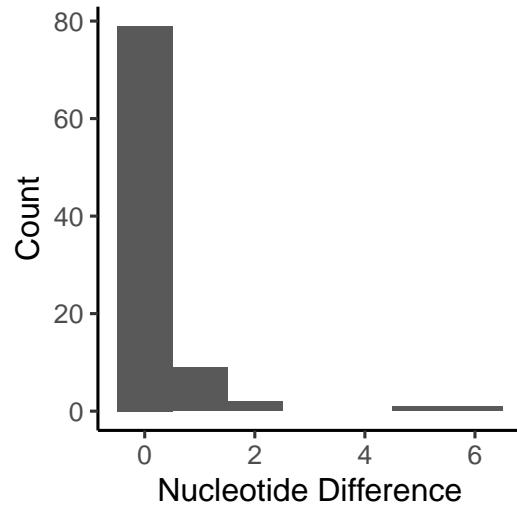
IGHV4-59*01

280 sequences assigned
252 (90%) exact matches, in which:
251 unique CDR3
7 unique J



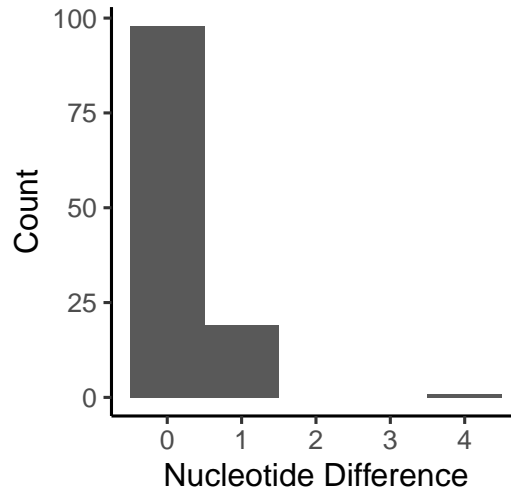
IGHV4-61*01

92 sequences assigned
79 (85.9%) exact matches, in which:
79 unique CDR3
6 unique J



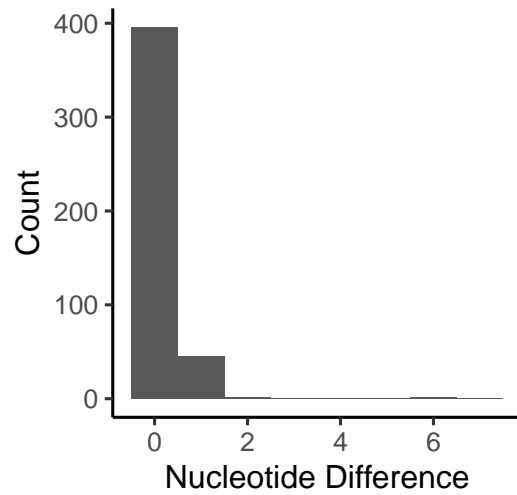
IGHV7-4-1*02

118 sequences assigned
98 (83.1%) exact matches, in which:
97 unique CDR3
6 unique J



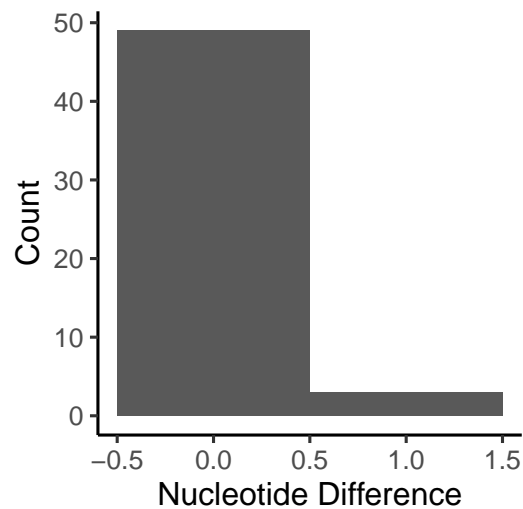
IGHV5-51*01

450 sequences assigned
396 (88%) exact matches, in which:
391 unique CDR3
7 unique J

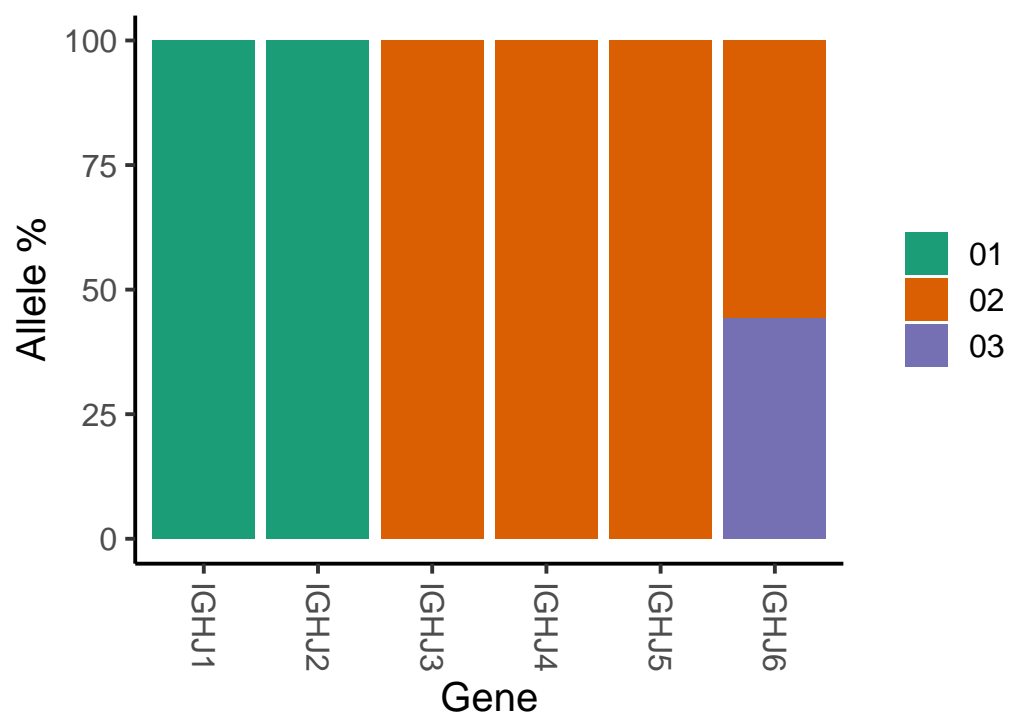


IGHV6-1*01

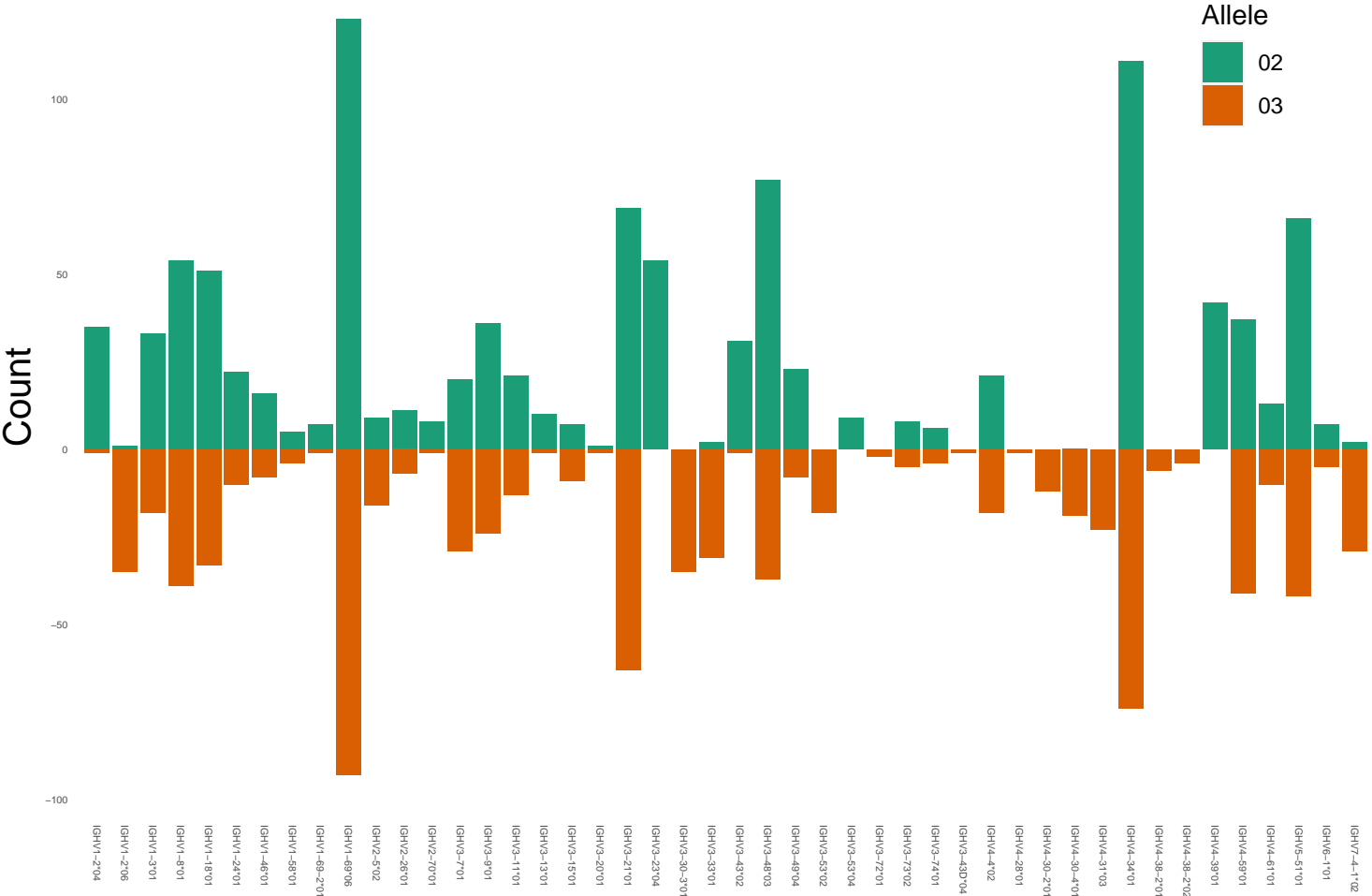
52 sequences assigned
49 (94.2%) exact matches, in which:
49 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.