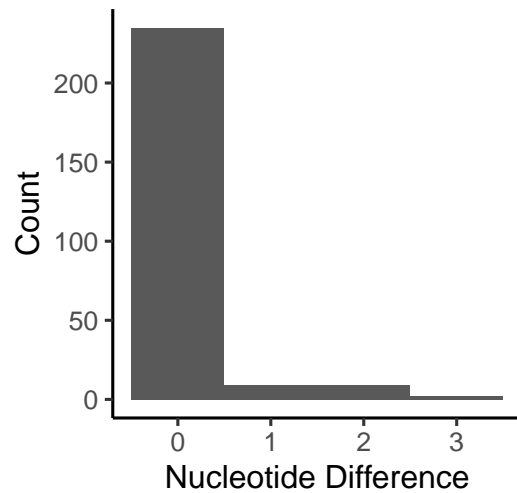


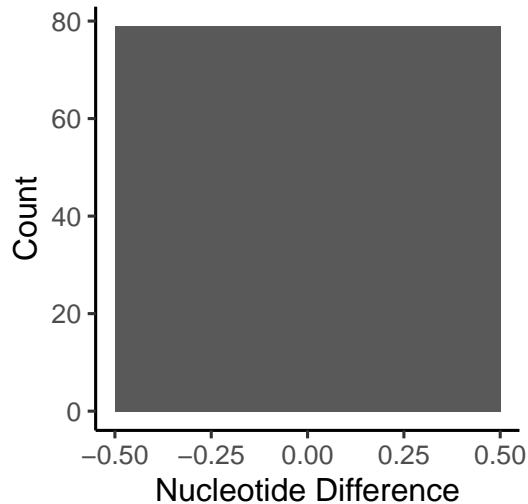
IGHV1-2*02

255 sequences assigned
235 (92.2%) exact matches, in which:
235 unique CDR3
6 unique J



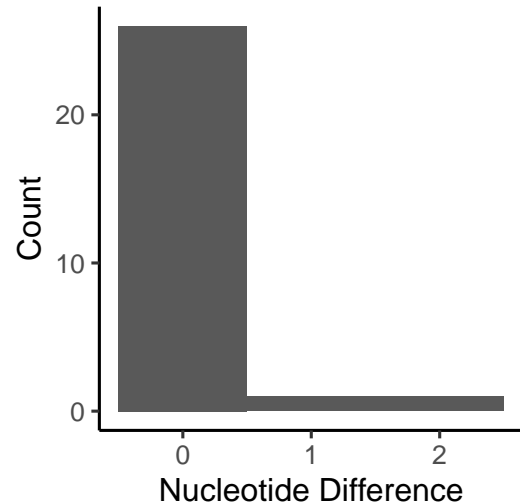
IGHV1-24*01

79 sequences assigned
79 (100%) exact matches, in which:
78 unique CDR3
5 unique J



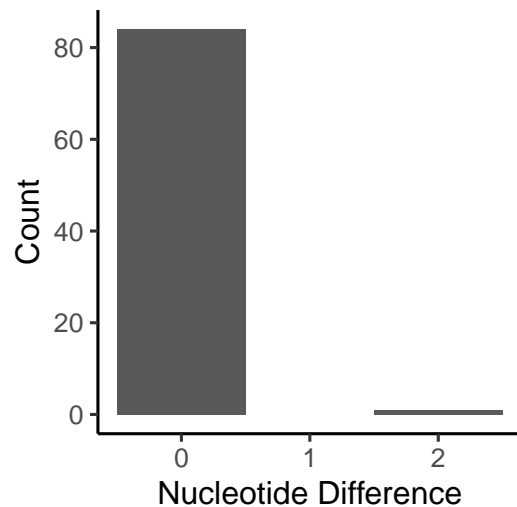
IGHV1-58*02

28 sequences assigned
26 (92.9%) exact matches, in which:
26 unique CDR3
6 unique J



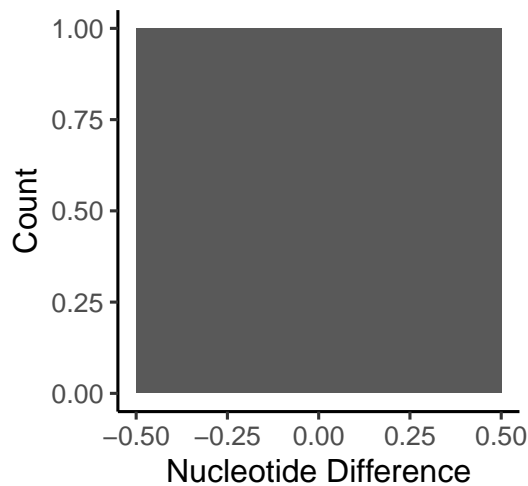
IGHV1-3*01_05

85 sequences assigned
84 (98.8%) exact matches, in which:
83 unique CDR3
6 unique J



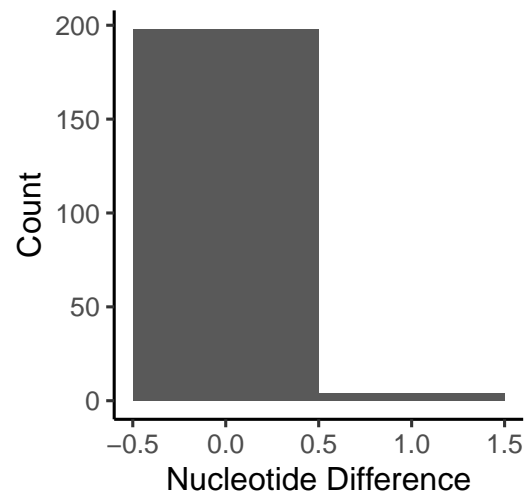
IGHV1-45*02

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



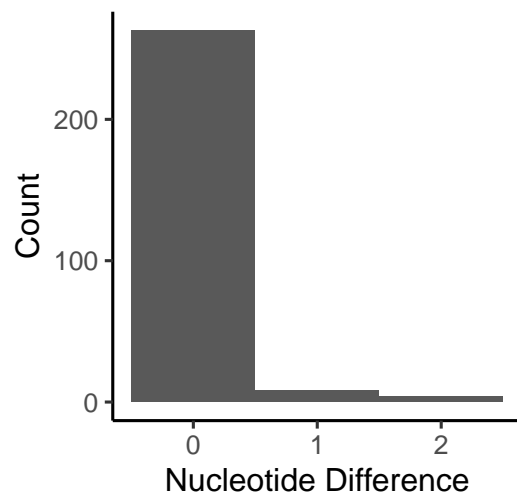
IGHV1-69*02

202 sequences assigned
198 (98%) exact matches, in which:
196 unique CDR3
7 unique J



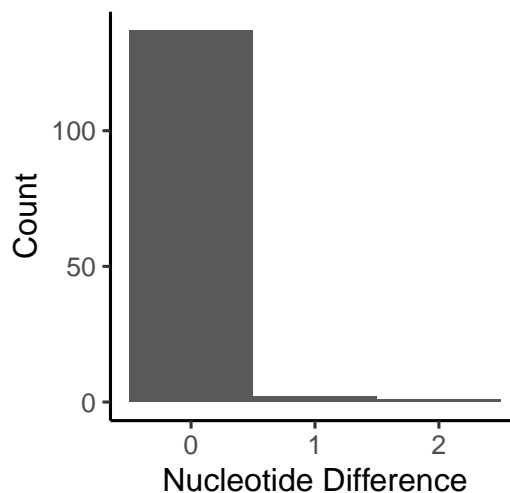
IGHV1-18*04

275 sequences assigned
263 (95.6%) exact matches, in which:
261 unique CDR3
6 unique J



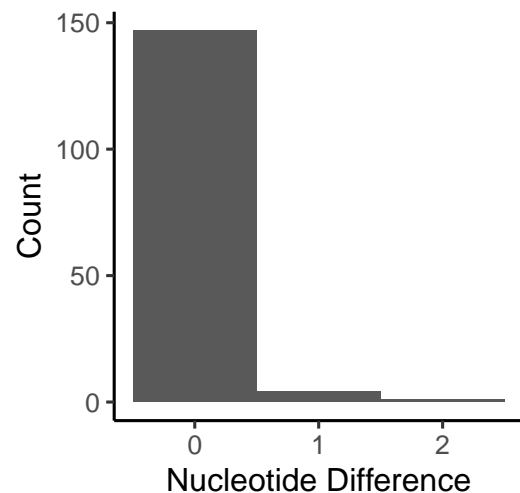
IGHV1-46*03

140 sequences assigned
137 (97.9%) exact matches, in which:
137 unique CDR3
7 unique J



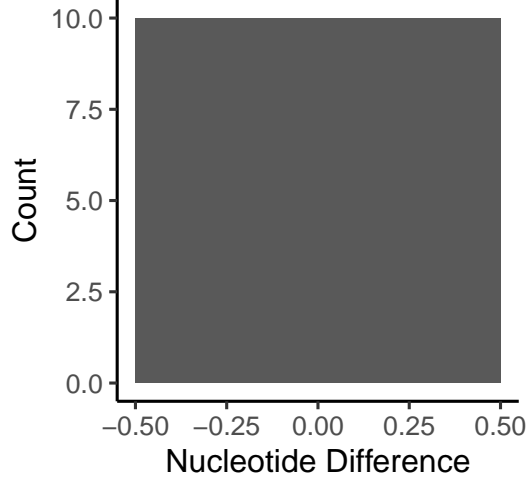
IGHV2-5*02

152 sequences assigned
147 (96.7%) exact matches, in which:
144 unique CDR3
7 unique J



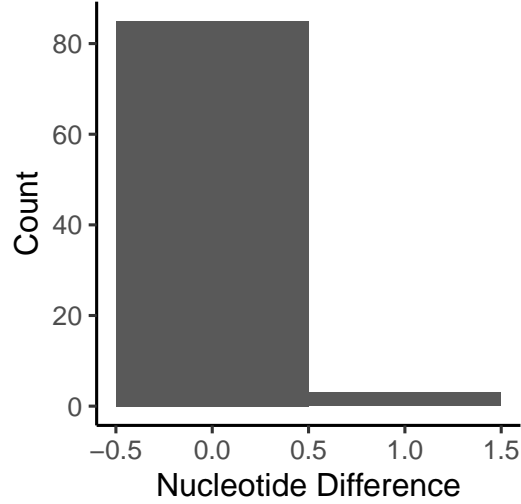
IGHV2–26*01

10 sequences assigned
10 (100%) exact matches, in which:
10 unique CDR3
3 unique J



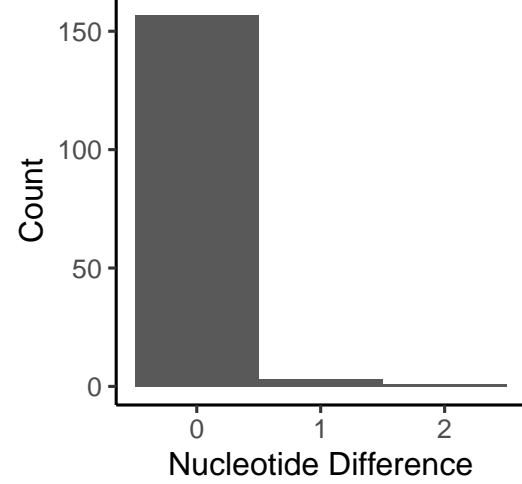
IGHV3–7*04

88 sequences assigned
85 (96.6%) exact matches, in which:
85 unique CDR3
6 unique J



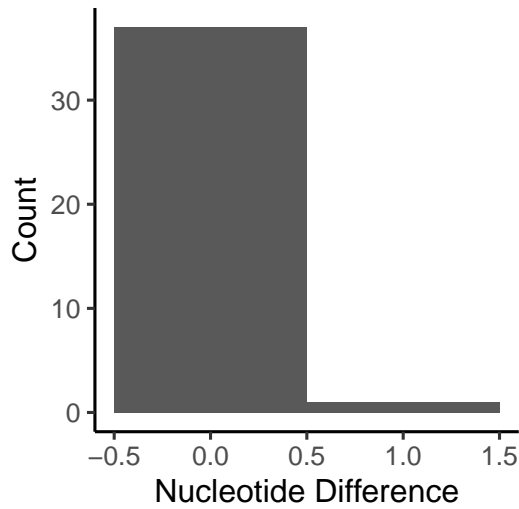
IGHV3–15*01_02

161 sequences assigned
157 (97.5%) exact matches, in which:
155 unique CDR3
5 unique J



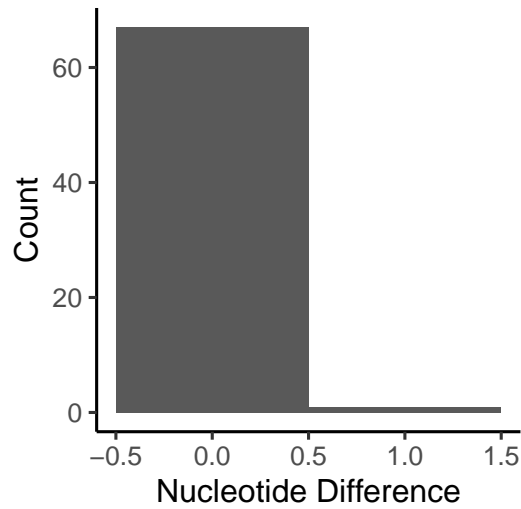
IGHV2–70*11_15

38 sequences assigned
37 (97.4%) exact matches, in which:
37 unique CDR3
4 unique J



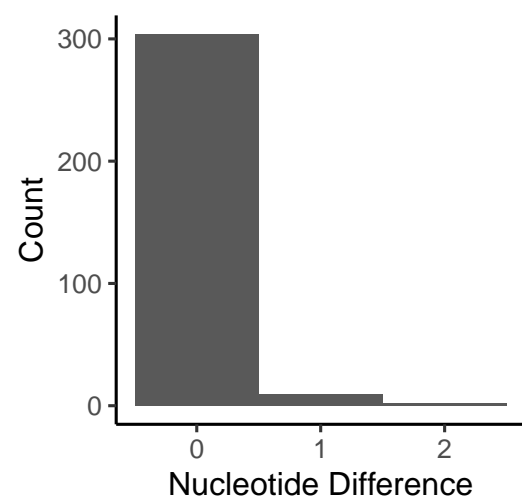
IGHV3–11*06

68 sequences assigned
67 (98.5%) exact matches, in which:
67 unique CDR3
6 unique J



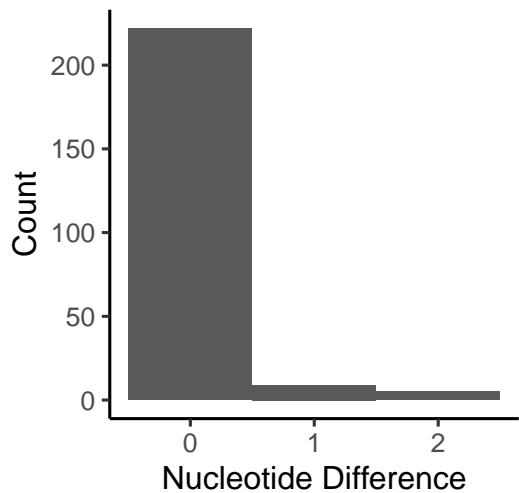
IGHV3–21*01_02

315 sequences assigned
304 (96.5%) exact matches, in which:
296 unique CDR3
7 unique J



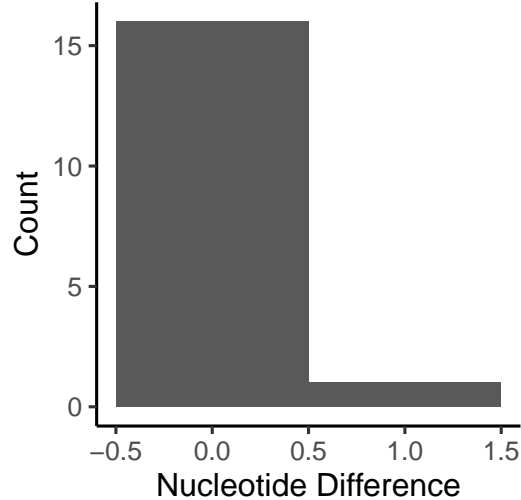
IGHV3–7*03

236 sequences assigned
222 (94.1%) exact matches, in which:
216 unique CDR3
6 unique J



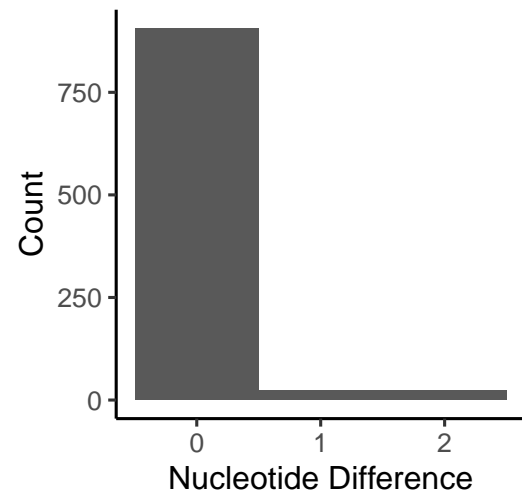
IGHV3–13*05

17 sequences assigned
16 (94.1%) exact matches, in which:
15 unique CDR3
5 unique J



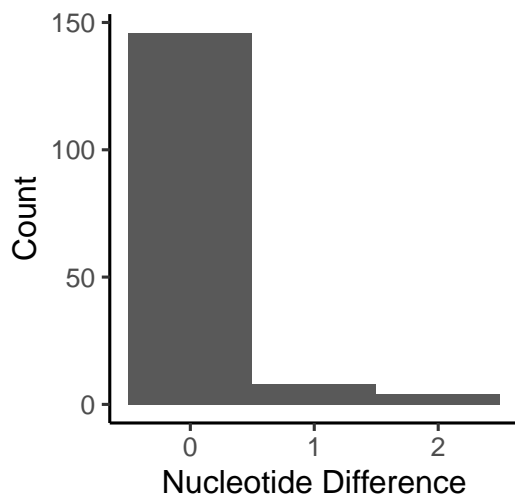
IGHV3–23*01_04

952 sequences assigned
906 (95.2%) exact matches, in which:
880 unique CDR3
7 unique J



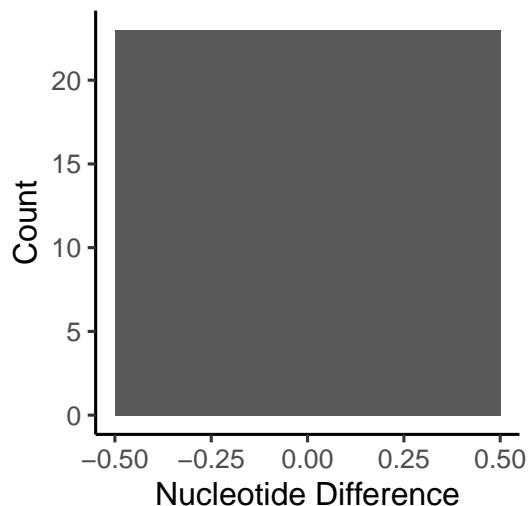
IGHV3–33*01

158 sequences assigned
146 (92.4%) exact matches, in which:
139 unique CDR3
7 unique J



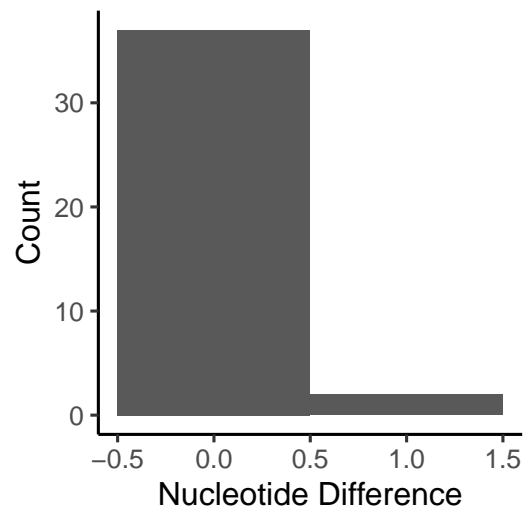
IGHV3–43*01

23 sequences assigned
23 (100%) exact matches, in which:
23 unique CDR3
5 unique J



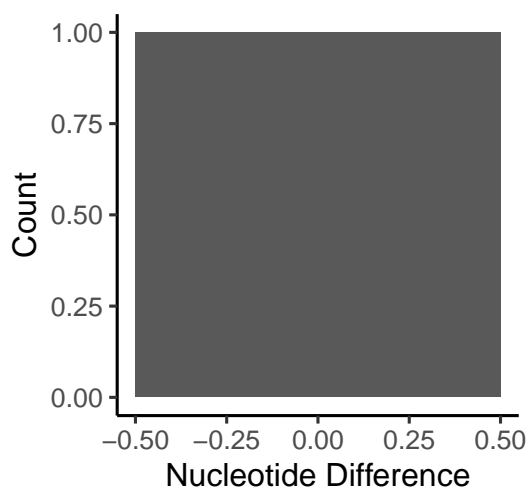
IGHV3–49*04

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



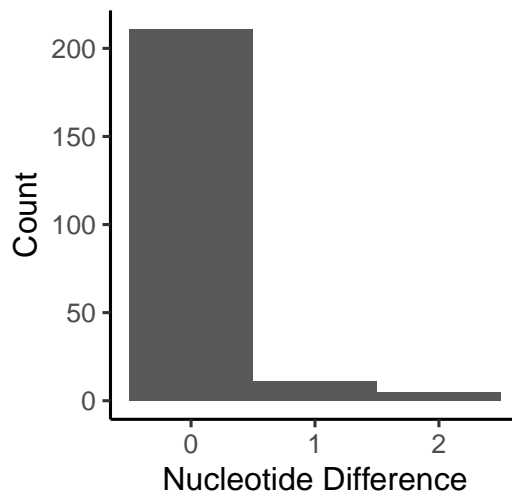
IGHV3–35*01

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



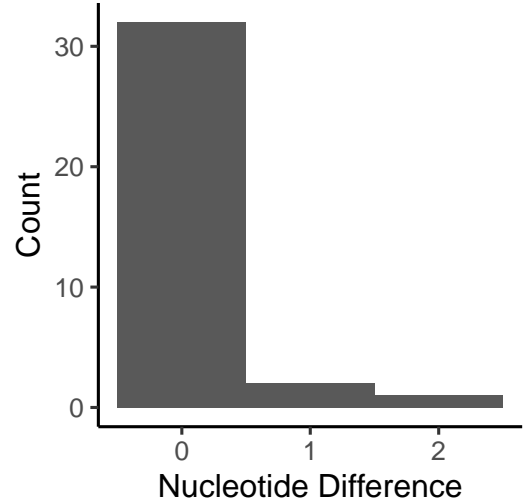
IGHV3–48*01

227 sequences assigned
211 (93%) exact matches, in which:
200 unique CDR3
7 unique J



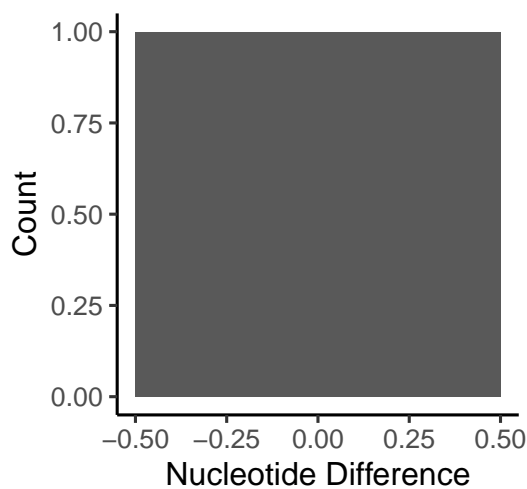
IGHV3–49*03_05

35 sequences assigned
32 (91.4%) exact matches, in which:
32 unique CDR3
5 unique J



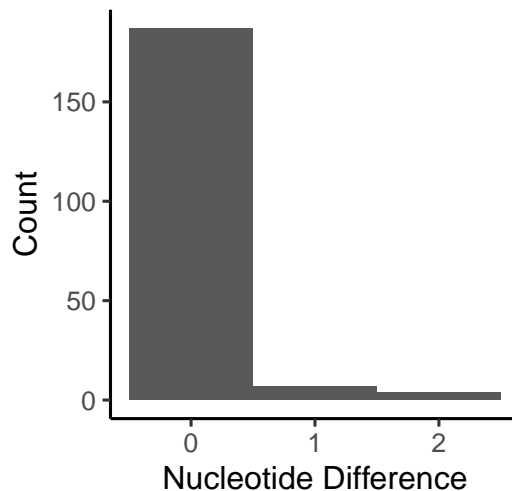
IGHV3–38–3*01

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



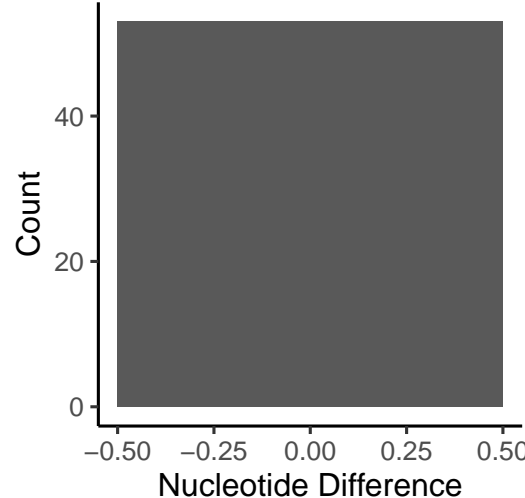
IGHV3–48*02

198 sequences assigned
187 (94.4%) exact matches, in which:
181 unique CDR3
6 unique J



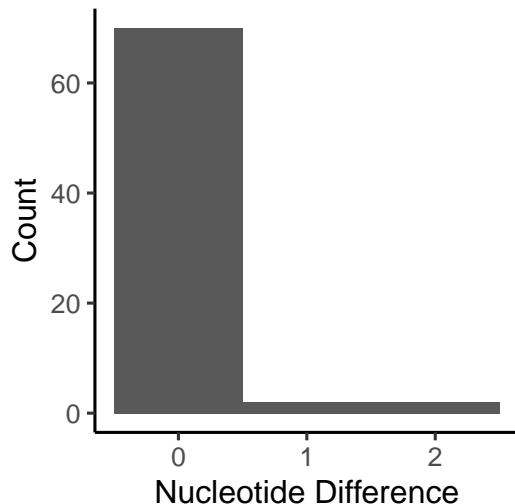
IGHV3–53*04

53 sequences assigned
53 (100%) exact matches, in which:
51 unique CDR3
6 unique J



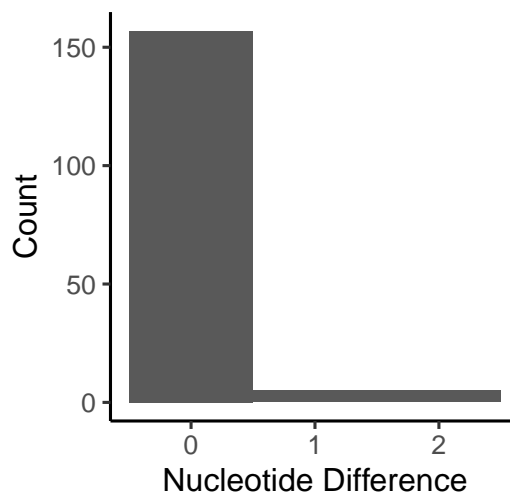
IGHV3-53*01_02

74 sequences assigned
70 (94.6%) exact matches, in which:
70 unique CDR3
5 unique J



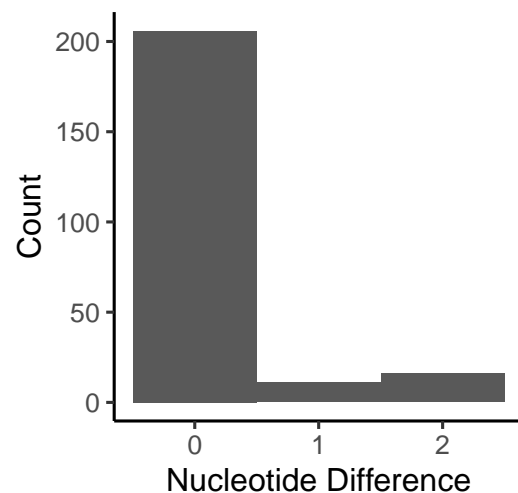
IGHV3-66*02

167 sequences assigned
157 (94%) exact matches, in which:
152 unique CDR3
6 unique J



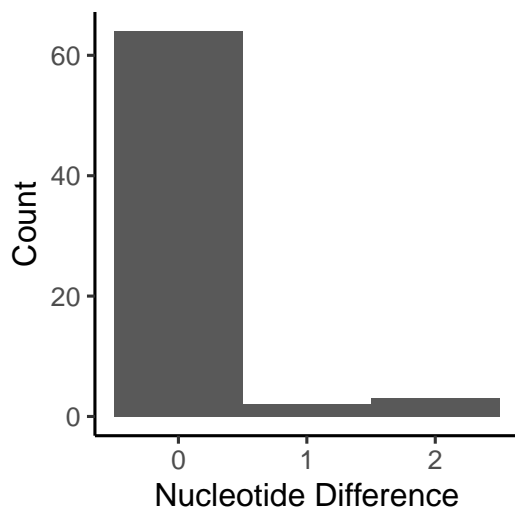
IGHV3-74*01_02

233 sequences assigned
206 (88.4%) exact matches, in which:
198 unique CDR3
7 unique J



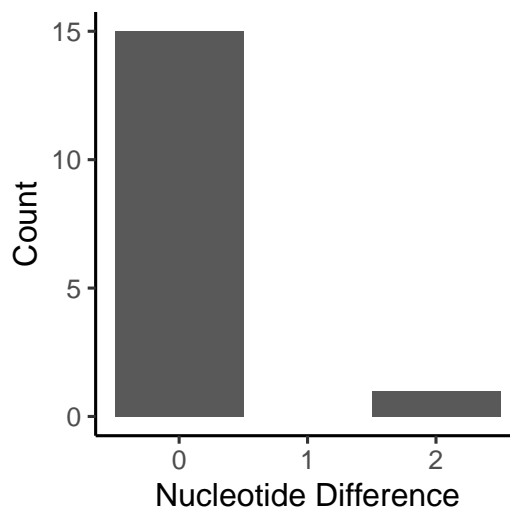
IGHV3-64*01

69 sequences assigned
64 (92.8%) exact matches, in which:
61 unique CDR3
5 unique J



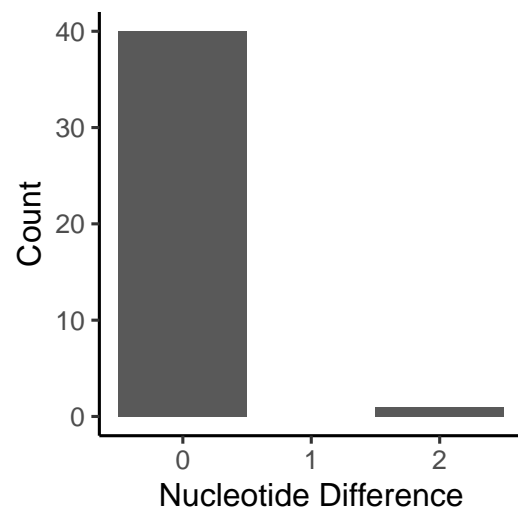
IGHV3-72*01

16 sequences assigned
15 (93.8%) exact matches, in which:
15 unique CDR3
6 unique J



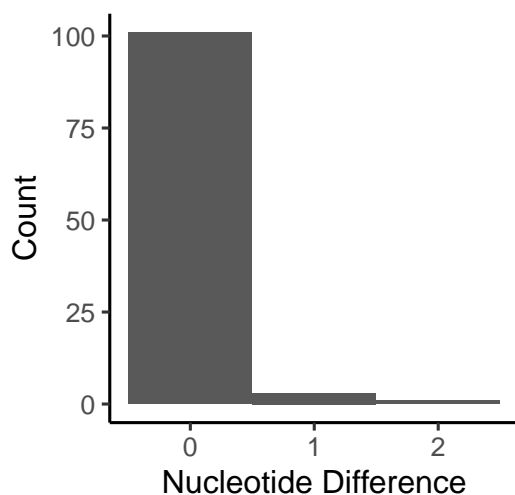
IGHV3-43D*03

41 sequences assigned
40 (97.6%) exact matches, in which:
39 unique CDR3
5 unique J



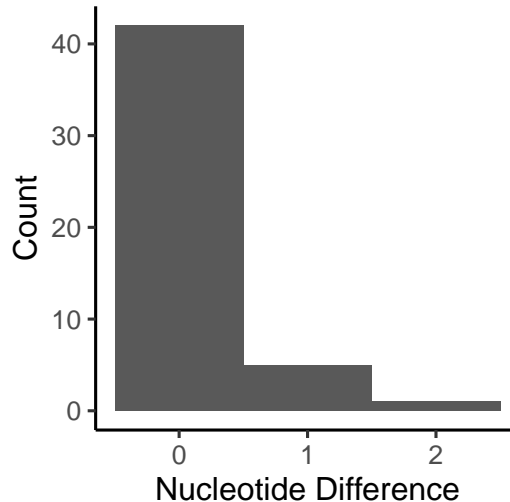
IGHV3-66*01

105 sequences assigned
101 (96.2%) exact matches, in which:
98 unique CDR3
5 unique J



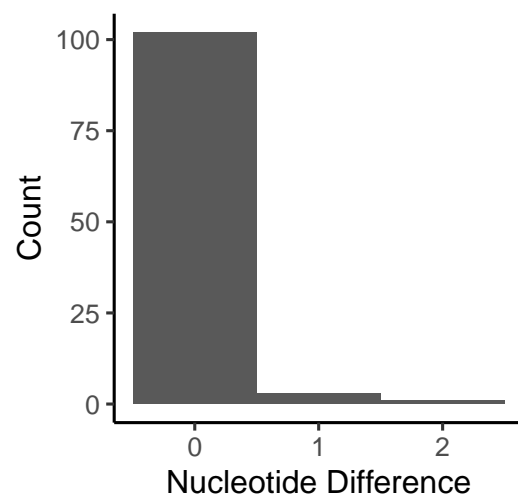
IGHV3-73*01_02

48 sequences assigned
42 (87.5%) exact matches, in which:
38 unique CDR3
7 unique J



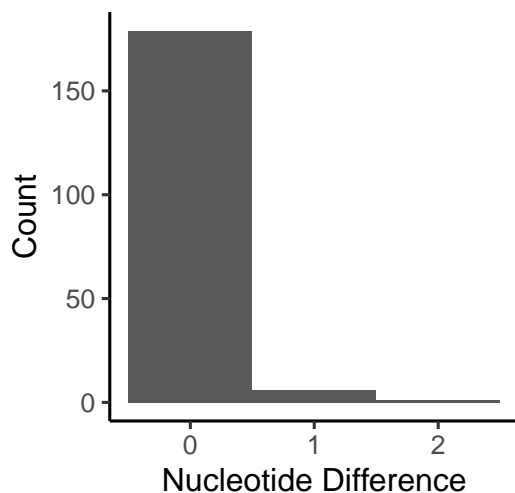
IGHV3-64D*06

106 sequences assigned
102 (96.2%) exact matches, in which:
101 unique CDR3
6 unique J



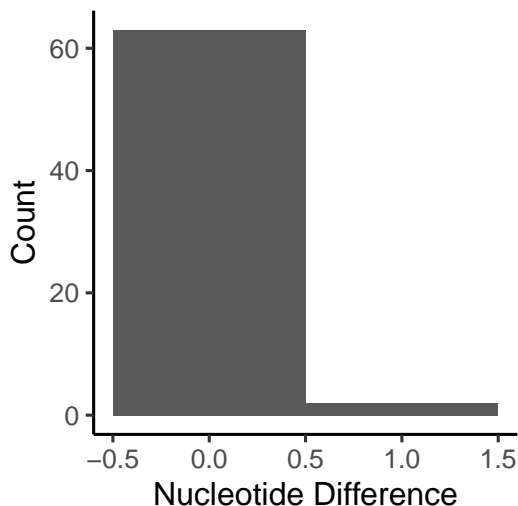
IGHV4-4*02_03

186 sequences assigned
179 (96.2%) exact matches, in which:
176 unique CDR3
6 unique J



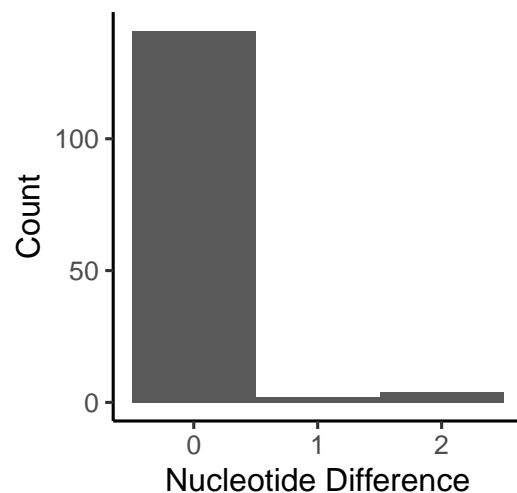
IGHV4-30-4*07

65 sequences assigned
63 (96.9%) exact matches, in which:
63 unique CDR3
5 unique J



IGHV4-38-2*02

147 sequences assigned
141 (95.9%) exact matches, in which:
138 unique CDR3
6 unique J



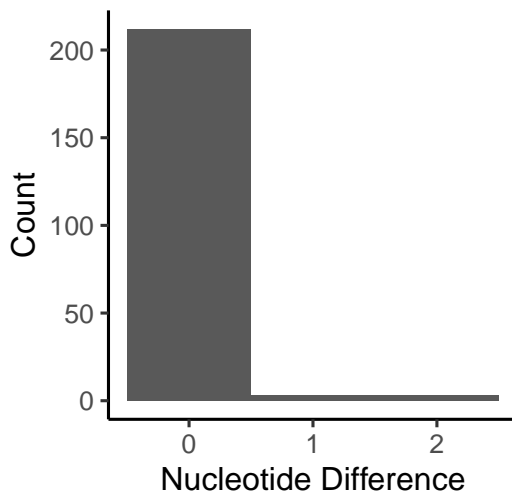
IGHV4-28*01_07

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



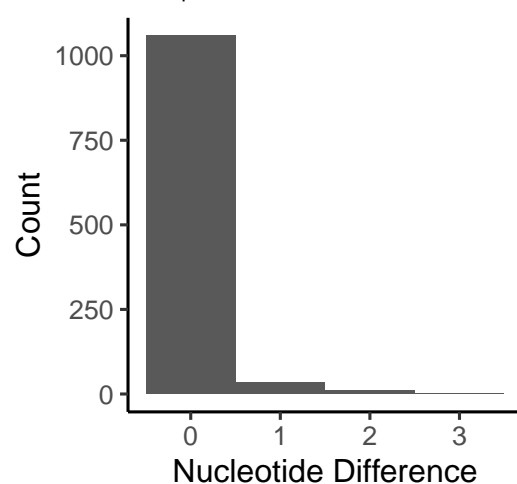
IGHV4-31*02

218 sequences assigned
212 (97.2%) exact matches, in which:
207 unique CDR3
5 unique J



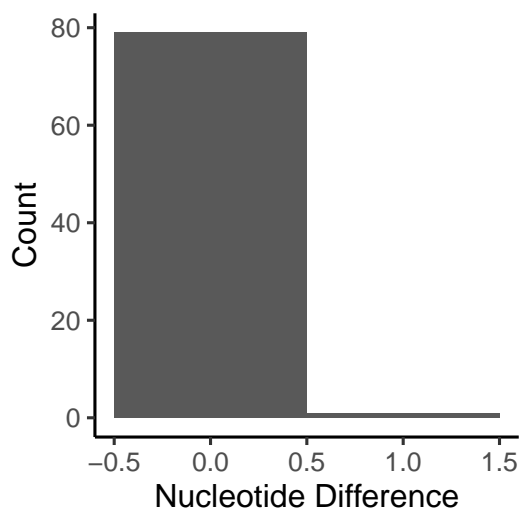
IGHV4-39*02_C258G

1105 sequences assigned
1059 (95.8%) exact matches, in which:
1024 unique CDR3
7 unique J



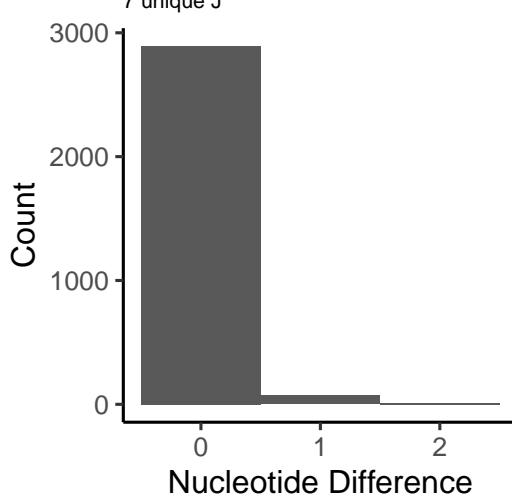
IGHV4-30-2*01

80 sequences assigned
79 (98.8%) exact matches, in which:
77 unique CDR3
6 unique J



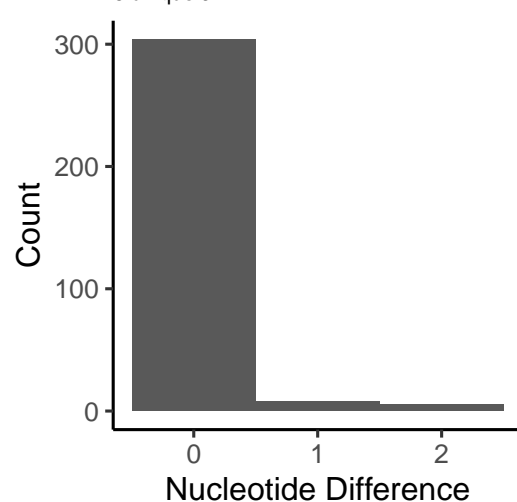
IGHV4-34*01_02

2975 sequences assigned
2893 (97.2%) exact matches, in which:
2787 unique CDR3
7 unique J



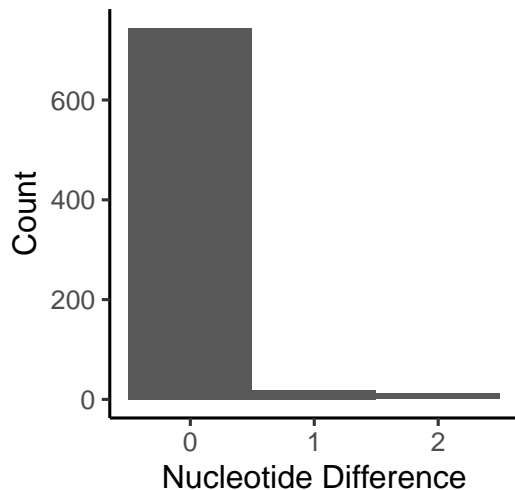
IGHV4-59*08

317 sequences assigned
304 (95.9%) exact matches, in which:
299 unique CDR3
6 unique J



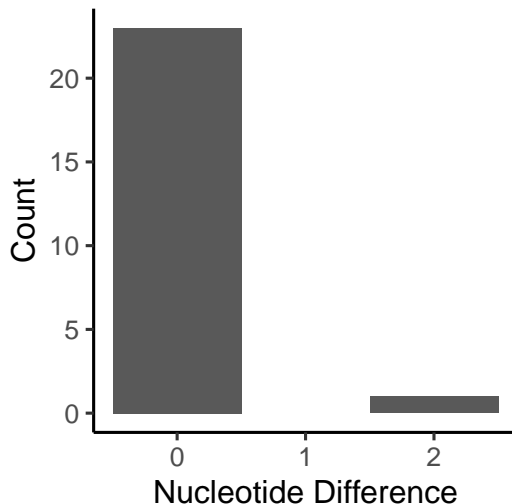
IGHV4–59*01_07

776 sequences assigned
745 (96%) exact matches, in which:
718 unique CDR3
7 unique J



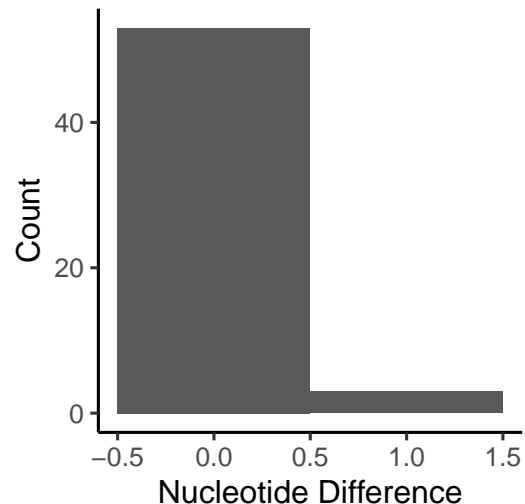
IGHV5–10–1*01_03

24 sequences assigned
23 (95.8%) exact matches, in which:
23 unique CDR3
3 unique J



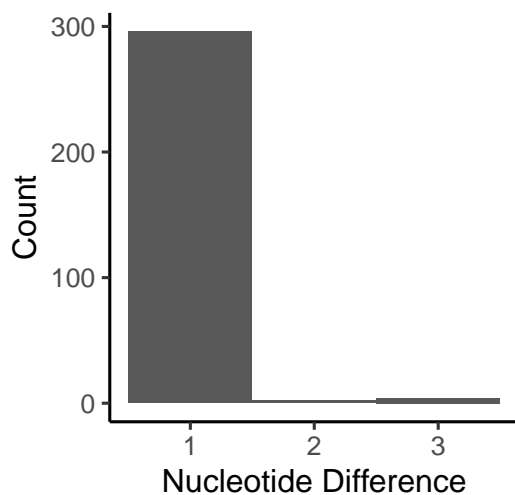
IGHV7–4–1*02

56 sequences assigned
53 (94.6%) exact matches, in which:
53 unique CDR3
5 unique J



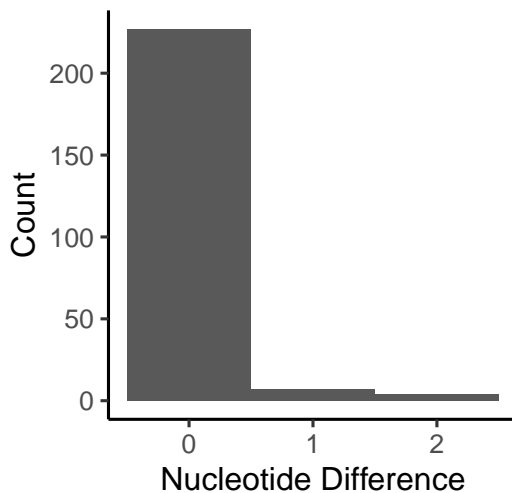
IGHV4–59*12

302 sequences assigned
No exact matches.



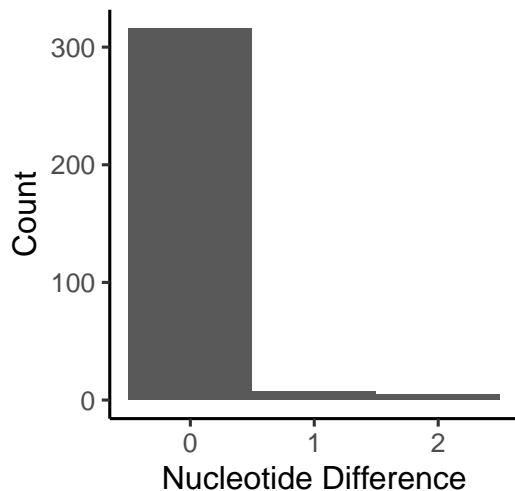
IGHV5–51*07_A128G

238 sequences assigned
227 (95.4%) exact matches, in which:
227 unique CDR3
7 unique J



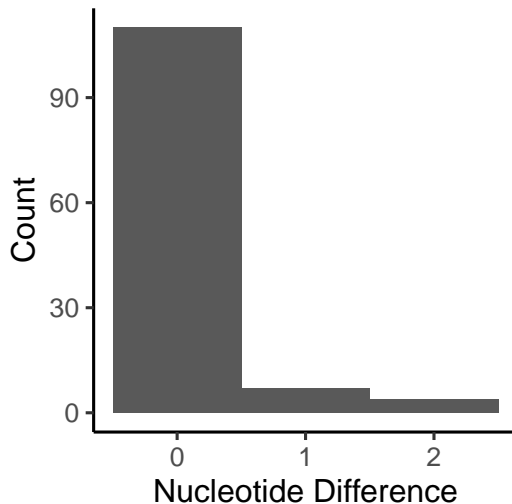
IGHV4–61*02

328 sequences assigned
316 (96.3%) exact matches, in which:
309 unique CDR3
6 unique J

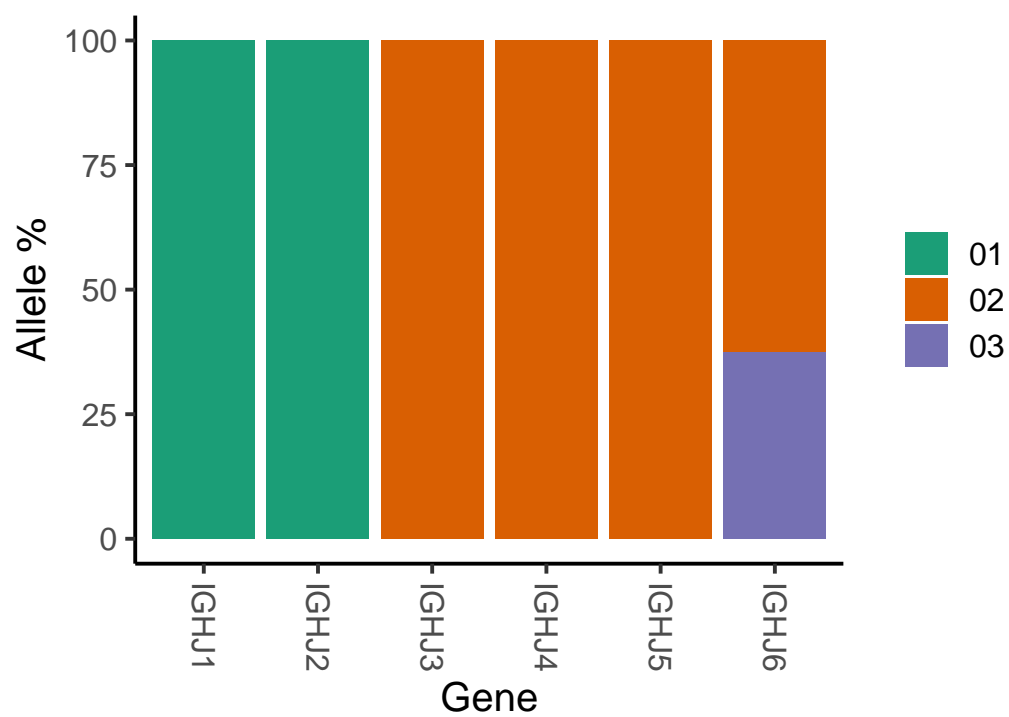


IGHV6–1*01_02

121 sequences assigned
110 (90.9%) exact matches, in which:
110 unique CDR3
6 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.