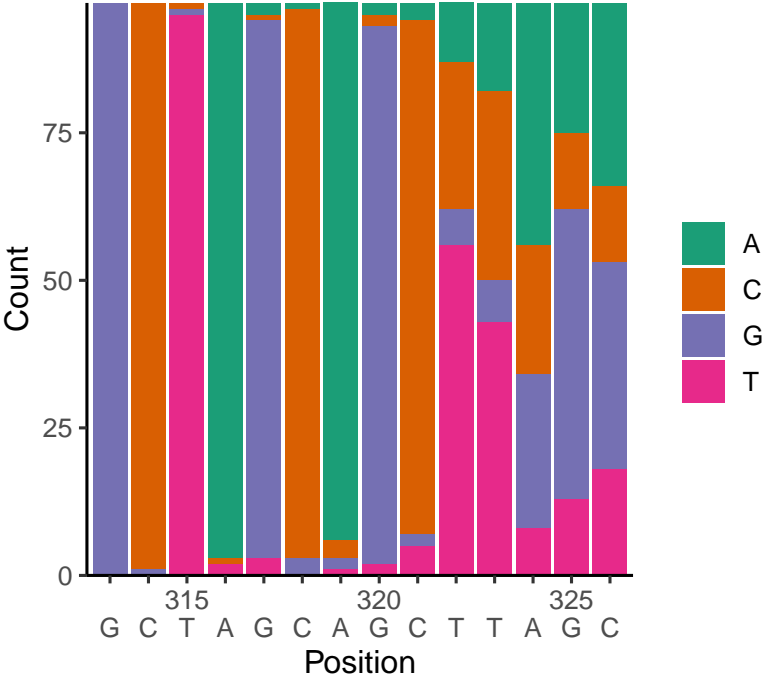
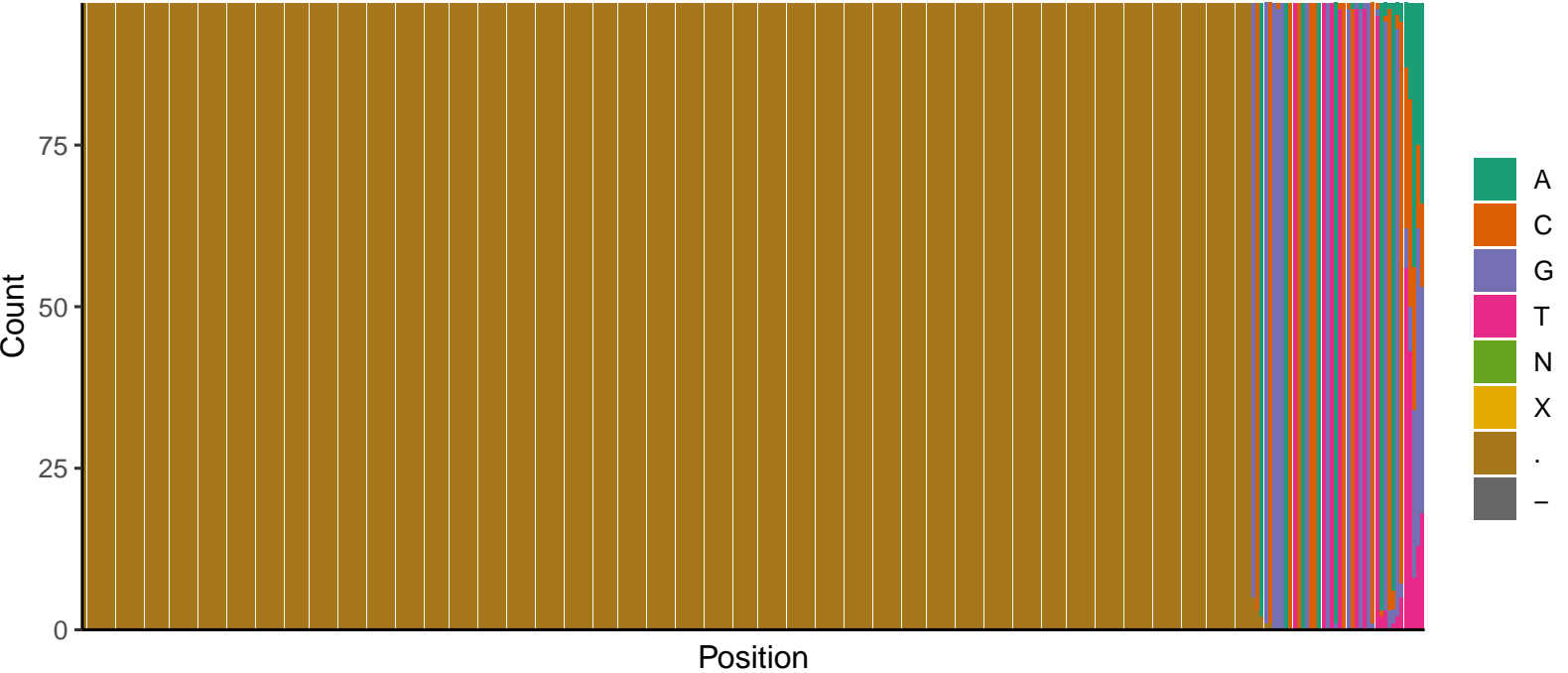


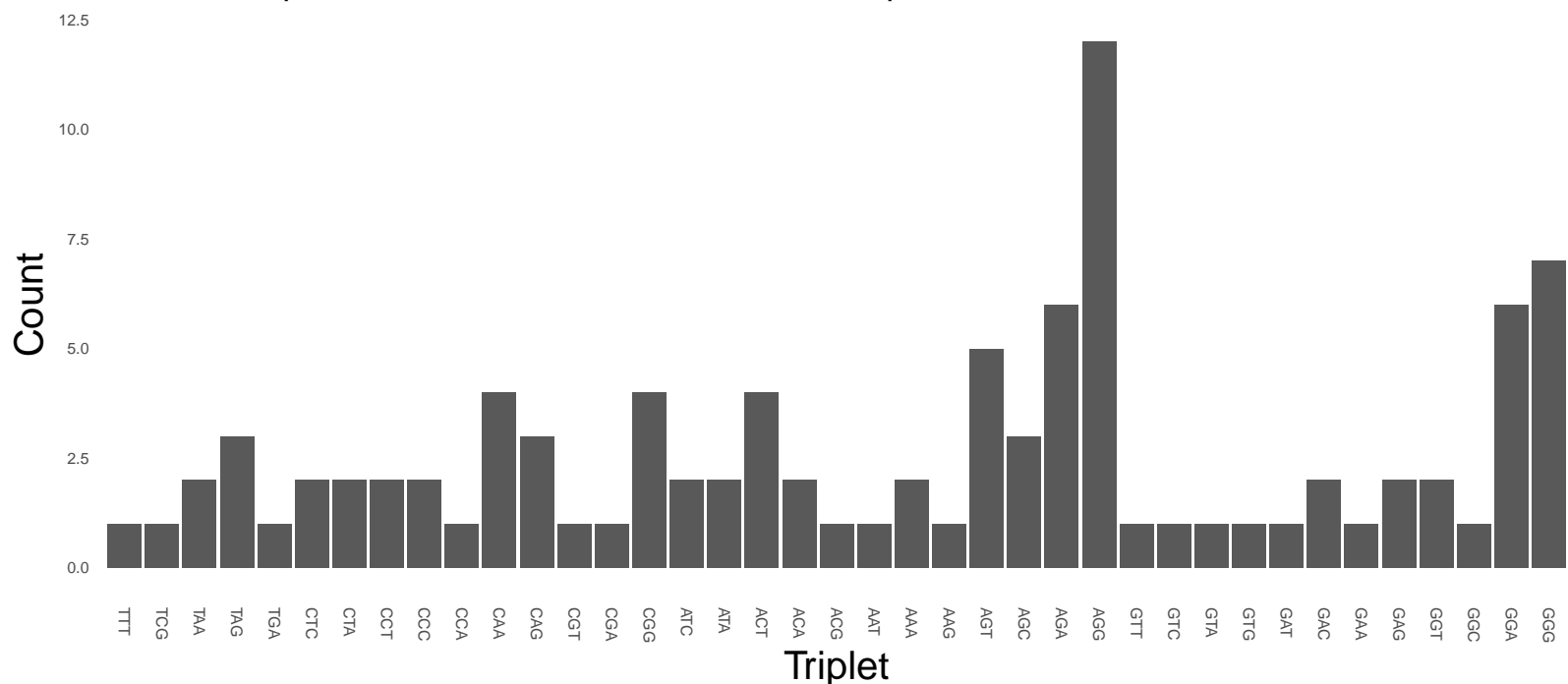
Gene TRBV7-7*ap01_C315T



Gene TRBV7-7*ap01_C315T

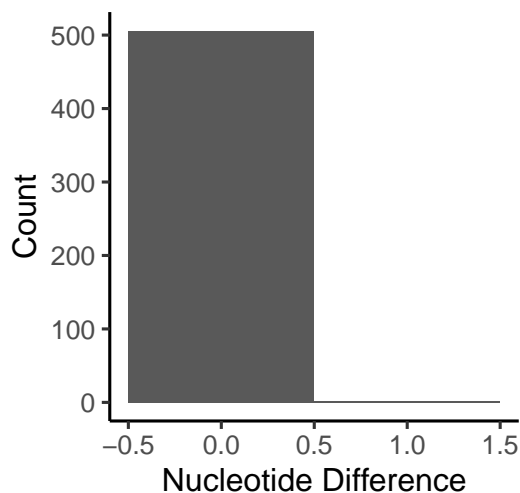


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



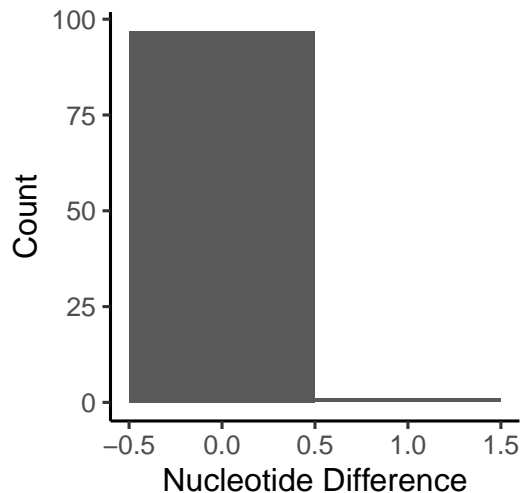
TRBV20–1*ap01

508 sequences assigned
506 (99.6%) exact matches, in which:
499 unique CDR3
13 unique J



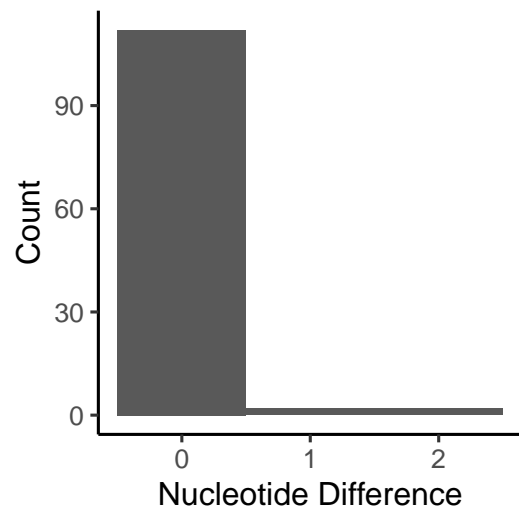
TRBV10–2*ap01

98 sequences assigned
97 (99%) exact matches, in which:
95 unique CDR3
13 unique J



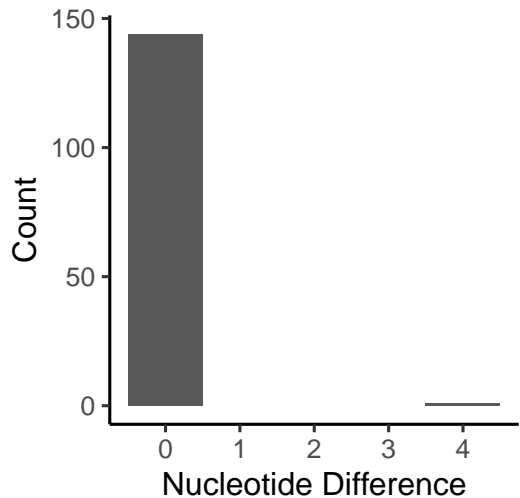
TRBV13*ap01

116 sequences assigned
112 (96.6%) exact matches, in which:
112 unique CDR3
12 unique J



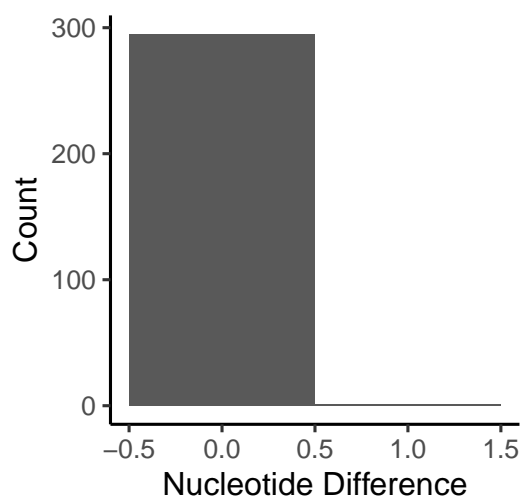
TRBV10–1*ap01

145 sequences assigned
144 (99.3%) exact matches, in which:
143 unique CDR3
13 unique J



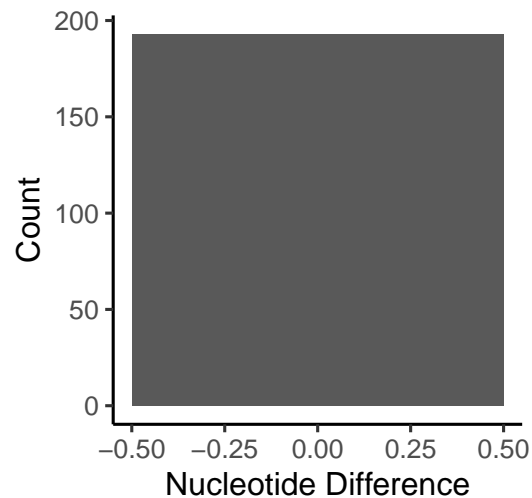
TRBV10–3*ap01

296 sequences assigned
295 (99.7%) exact matches, in which:
294 unique CDR3
13 unique J



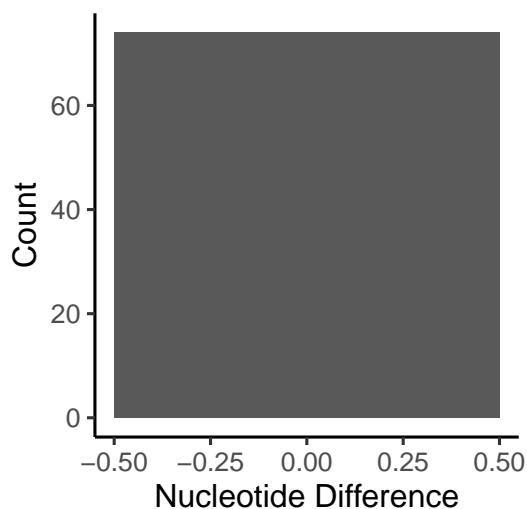
TRBV14*ap01

193 sequences assigned
193 (100%) exact matches, in which:
192 unique CDR3
12 unique J



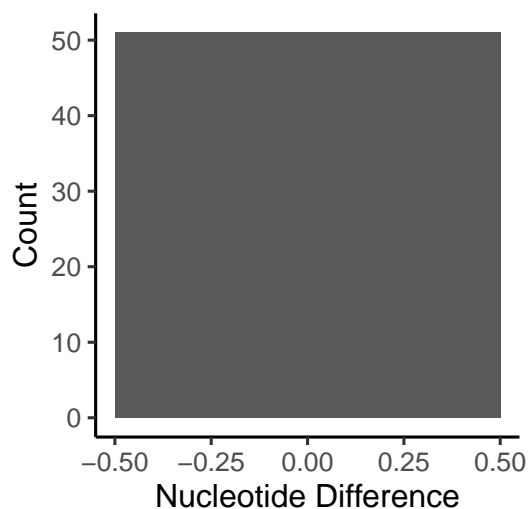
TRBV20–1*ap02

74 sequences assigned
74 (100%) exact matches, in which:
74 unique CDR3
13 unique J



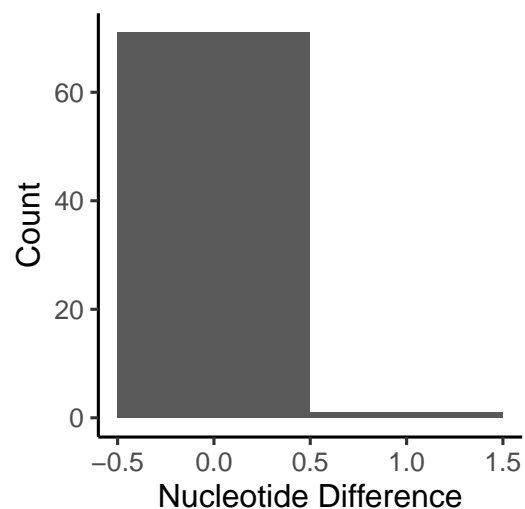
TRBV1*ap01

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



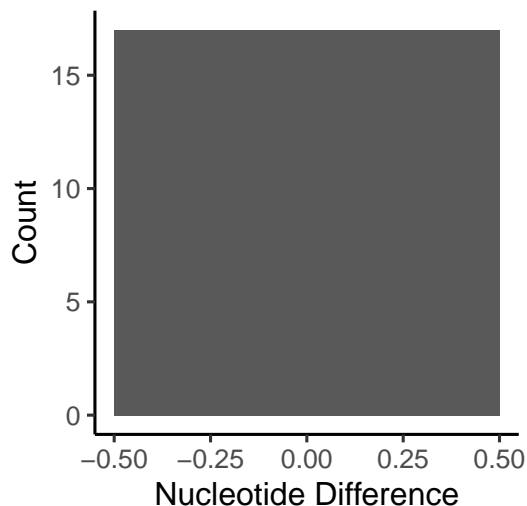
TRBV15*ap02

72 sequences assigned
71 (98.6%) exact matches, in which:
71 unique CDR3
13 unique J



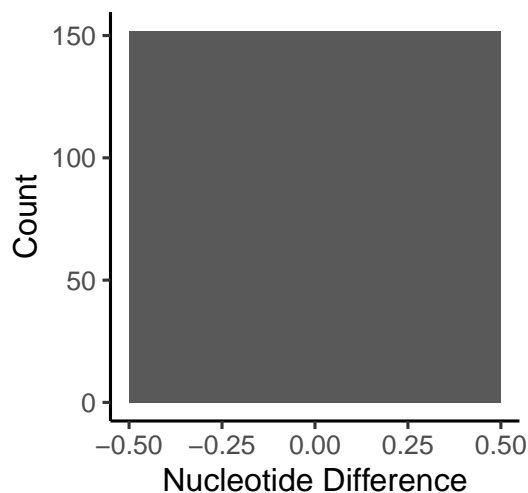
TRBV16*ap01

17 sequences assigned
17 (100%) exact matches, in which:
17 unique CDR3
7 unique J



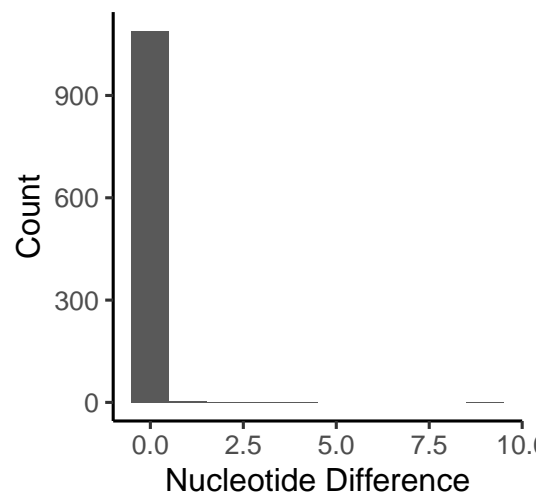
TRBV2*ap01

152 sequences assigned
152 (100%) exact matches, in which:
152 unique CDR3
13 unique J



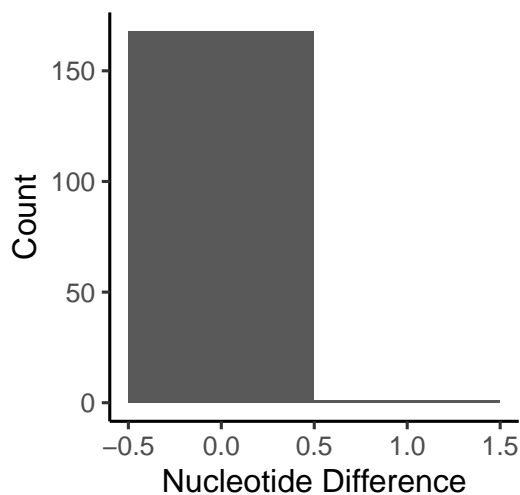
TRBV30*ap01

1100 sequences assigned
1090 (99.1%) exact matches, in which:
1076 unique CDR3
13 unique J



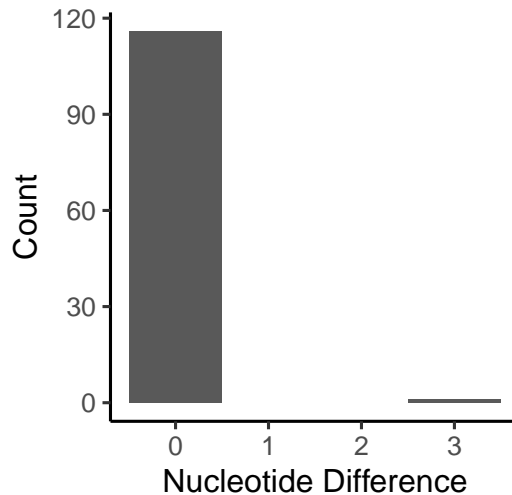
TRBV18*ap01

169 sequences assigned
168 (99.4%) exact matches, in which:
168 unique CDR3
13 unique J



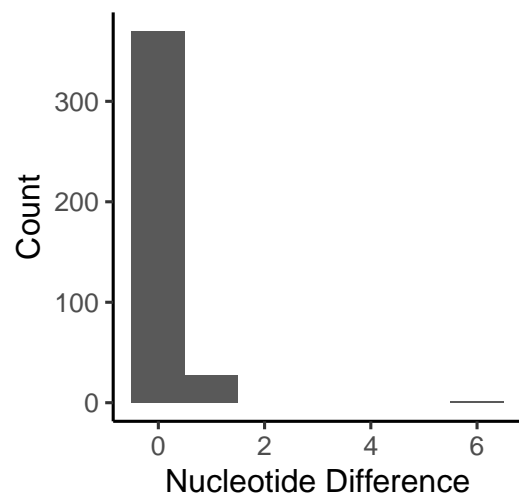
TRBV27*ap01

117 sequences assigned
116 (99.1%) exact matches, in which:
116 unique CDR3
10 unique J



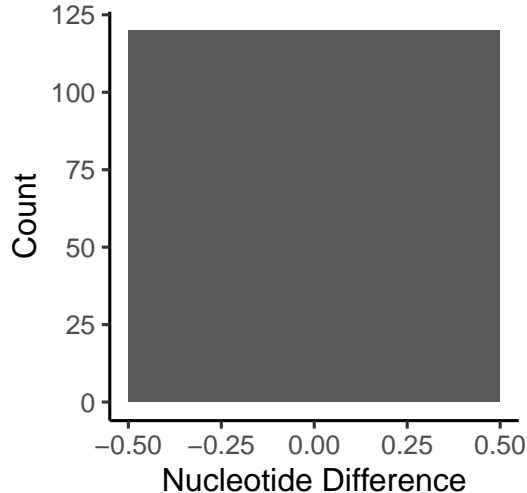
TRBV9*ap01

398 sequences assigned
370 (93%) exact matches, in which:
368 unique CDR3
13 unique J



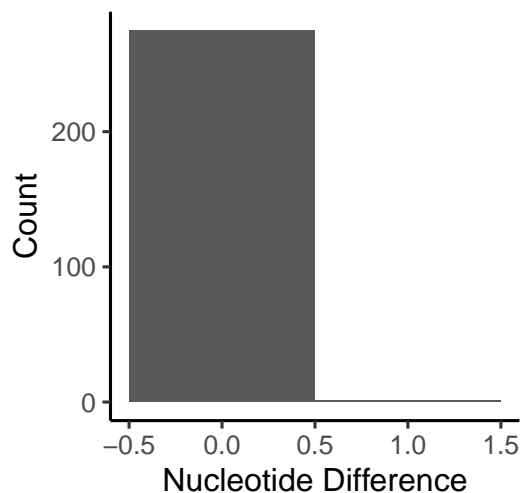
TRBV19*ap01

120 sequences assigned
120 (100%) exact matches, in which:
119 unique CDR3
11 unique J



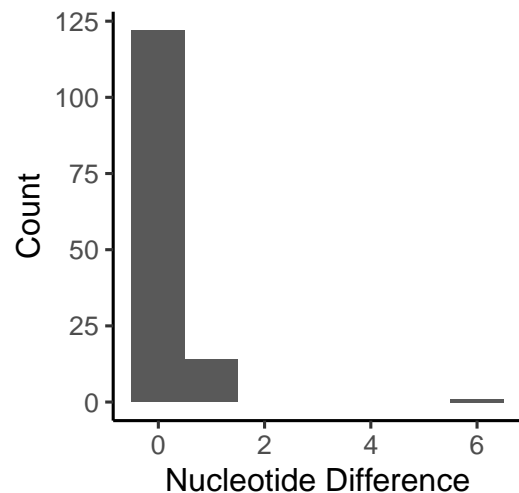
TRBV28*ap01

276 sequences assigned
275 (99.6%) exact matches, in which:
272 unique CDR3
13 unique J



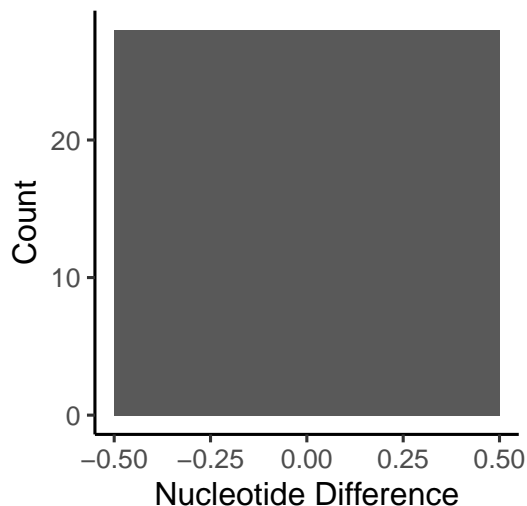
TRBV21-1*ap01

137 sequences assigned
122 (89.1%) exact matches, in which:
120 unique CDR3
13 unique J



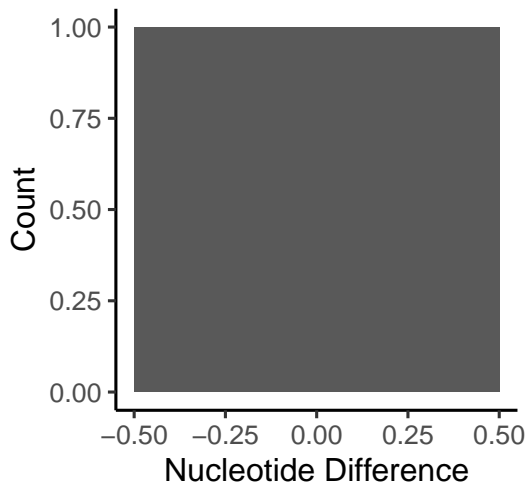
TRBV11-1*ap01

28 sequences assigned
28 (100%) exact matches, in which:
28 unique CDR3
10 unique J



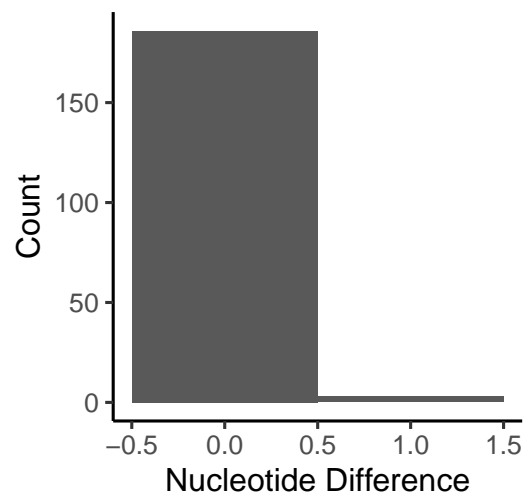
TRBV12-1*ap01

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



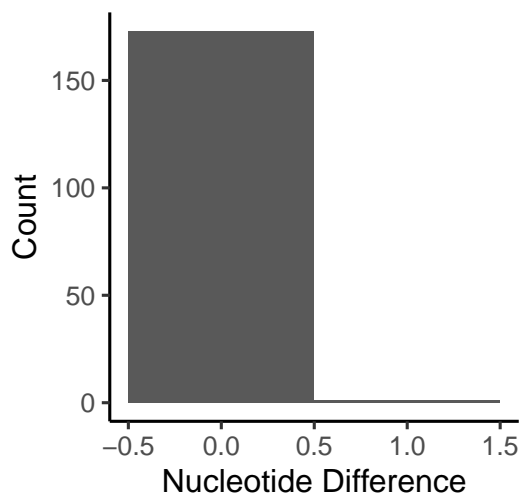
TRBV12-34*ap01

189 sequences assigned
186 (98.4%) exact matches, in which:
184 unique CDR3
13 unique J



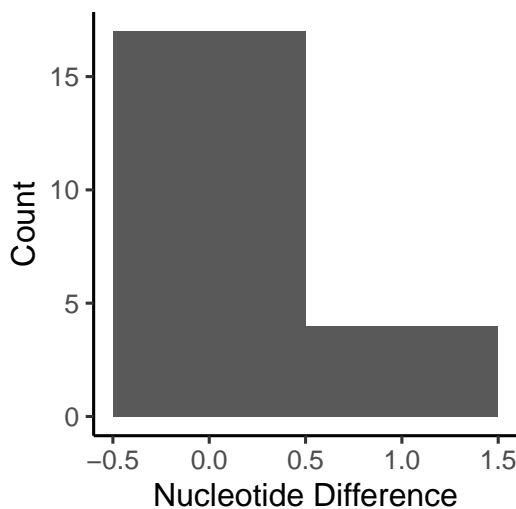
TRBV11-2*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
172 unique CDR3
13 unique J



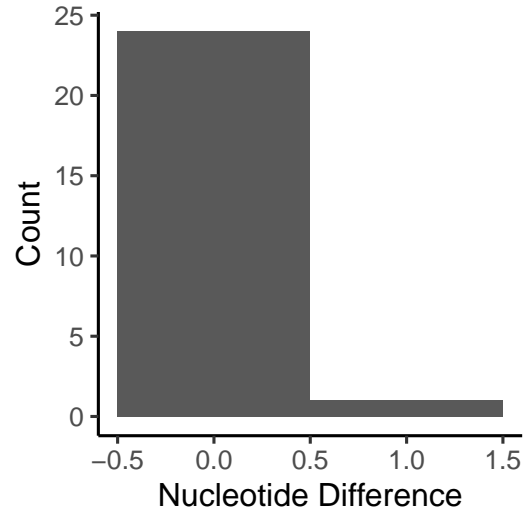
TRBV12-2*ap01

21 sequences assigned
17 (81%) exact matches, in which:
17 unique CDR3
9 unique J



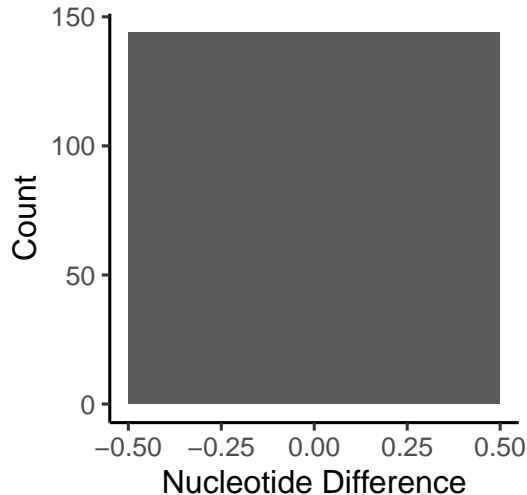
TRBV23-1*ap01

25 sequences assigned
24 (96%) exact matches, in which:
24 unique CDR3
10 unique J



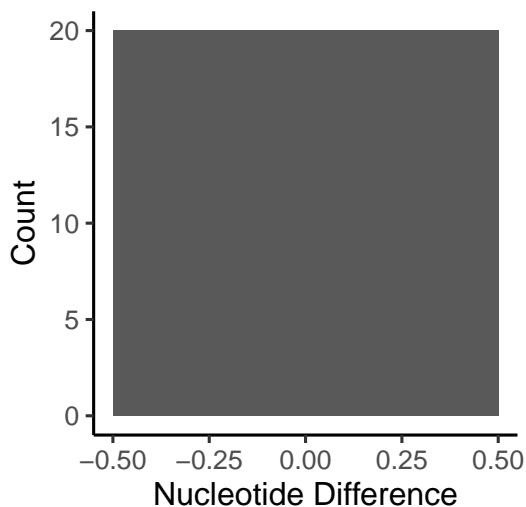
TRBV11-3*ap01

144 sequences assigned
144 (100%) exact matches, in which:
141 unique CDR3
13 unique J



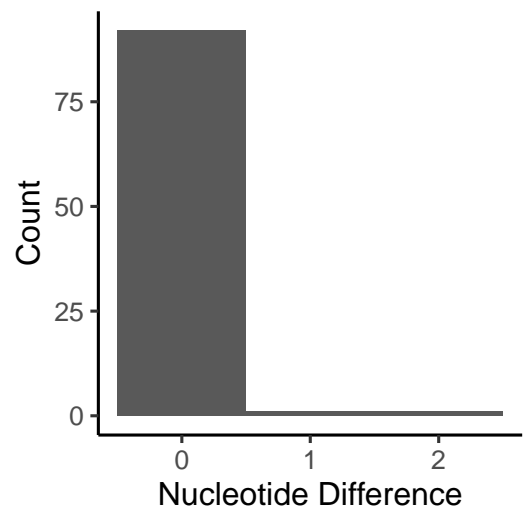
TRBV12-5*ap01

20 sequences assigned
20 (100%) exact matches, in which:
20 unique CDR3
9 unique J



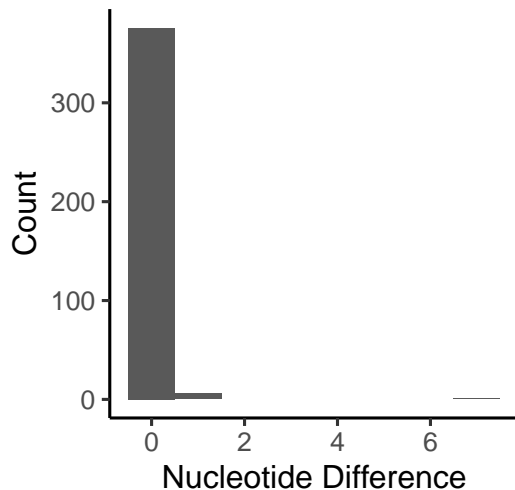
TRBV3-12*ap01

94 sequences assigned
92 (97.9%) exact matches, in which:
91 unique CDR3
13 unique J



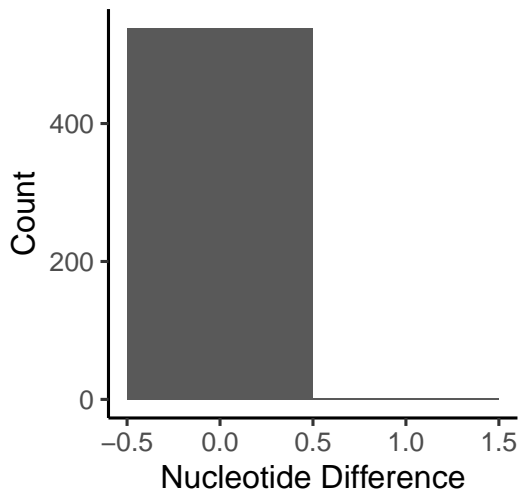
TRBV24–1*ap01

383 sequences assigned
376 (98.2%) exact matches, in which:
373 unique CDR3
13 unique J



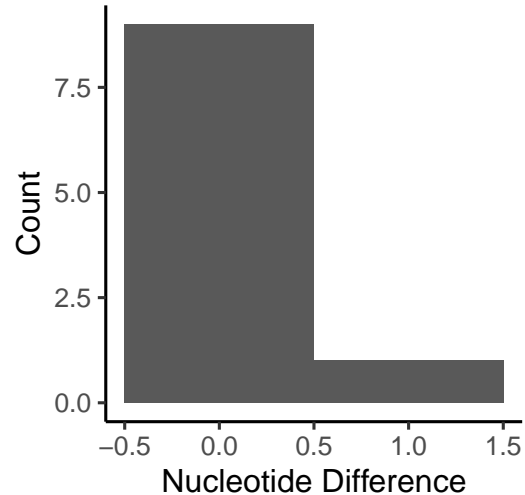
TRBV4–3*ap01

541 sequences assigned
539 (99.6%) exact matches, in which:
535 unique CDR3
13 unique J



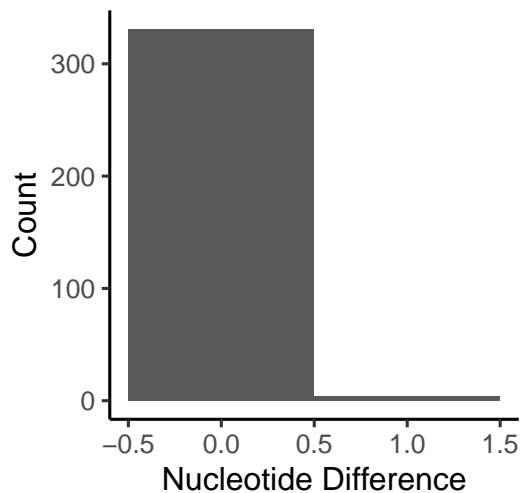
TRBV5–3*ap01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
5 unique J



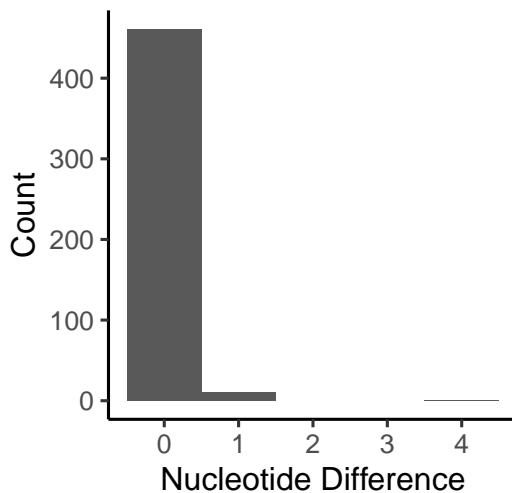
TRBV4–1*ap01

335 sequences assigned
331 (98.8%) exact matches, in which:
329 unique CDR3
13 unique J



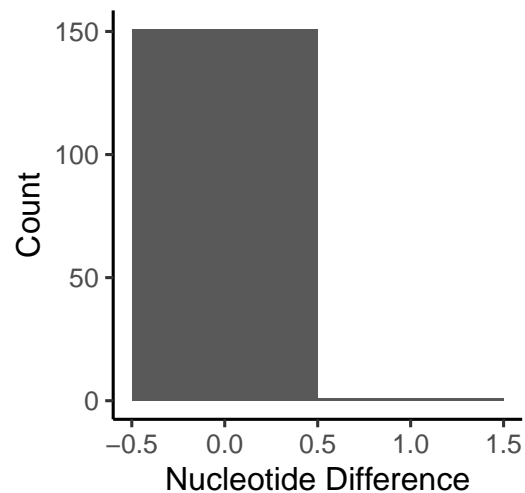
TRBV25–1*ap01

473 sequences assigned
461 (97.5%) exact matches, in which:
460 unique CDR3
13 unique J



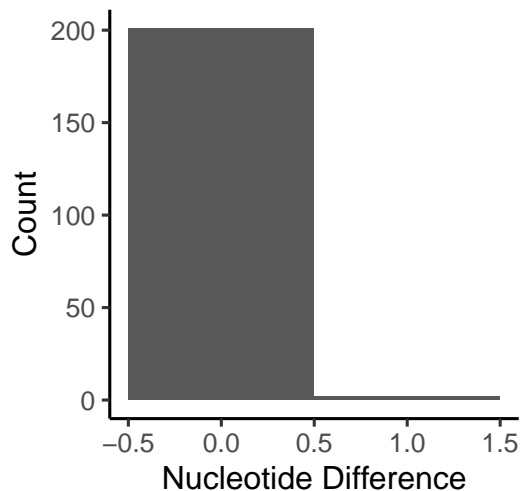
TRBV5–4*ap01

152 sequences assigned
151 (99.3%) exact matches, in which:
150 unique CDR3
12 unique J



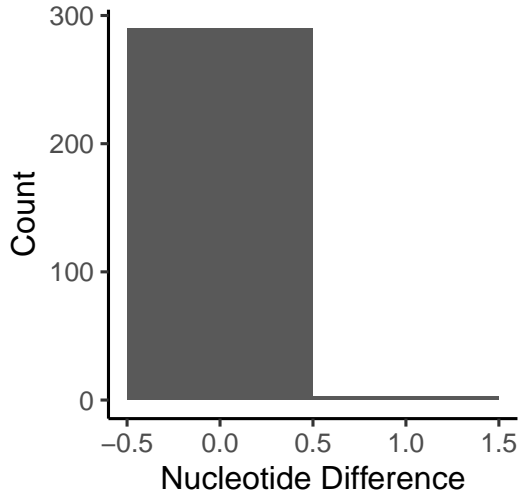
TRBV4–2*ap01

203 sequences assigned
201 (99%) exact matches, in which:
200 unique CDR3
13 unique J



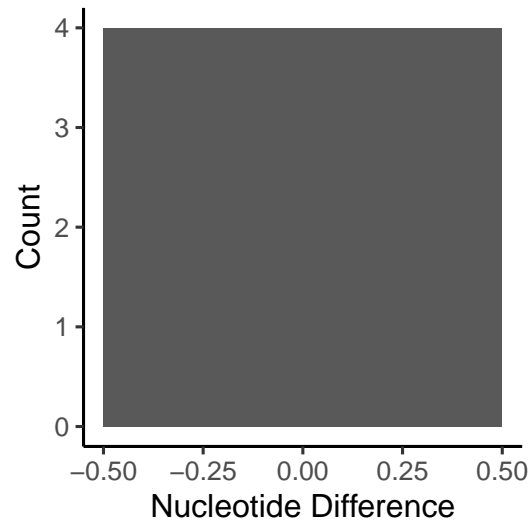
TRBV5–1*ap01

293 sequences assigned
290 (99%) exact matches, in which:
288 unique CDR3
13 unique J



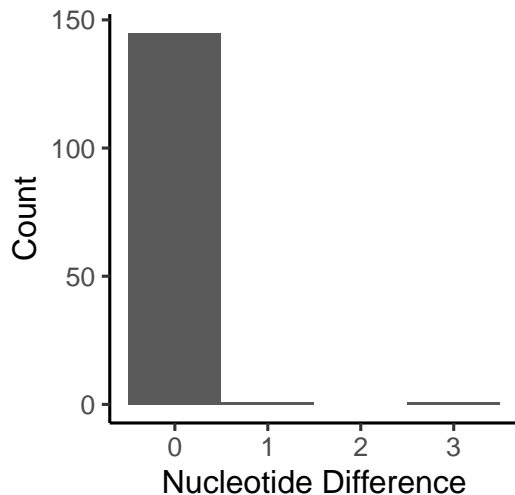
TRBV5–5*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



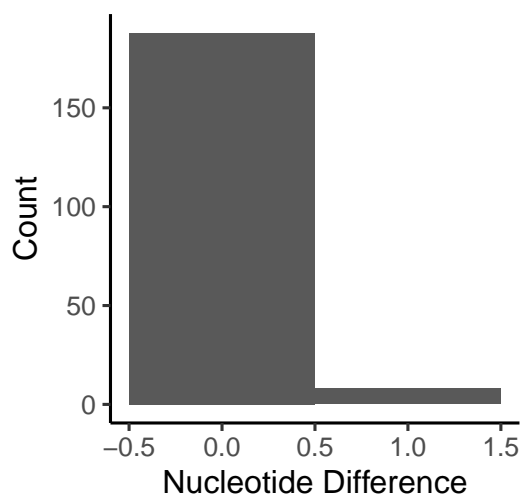
TRBV5–6*ap01

147 sequences assigned
145 (98.6%) exact matches, in which:
142 unique CDR3
13 unique J



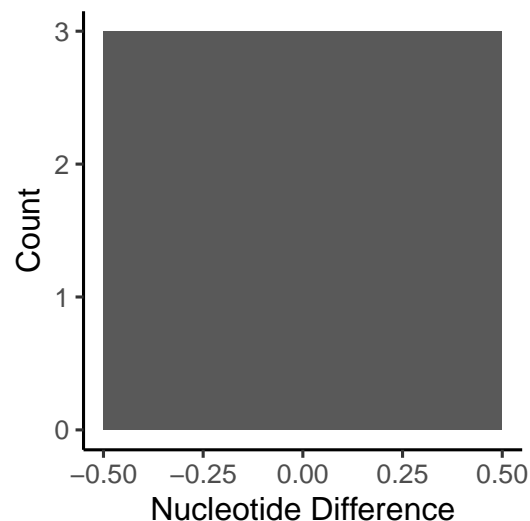
TRBV6–1*ap01

196 sequences assigned
188 (95.9%) exact matches, in which:
186 unique CDR3
12 unique J



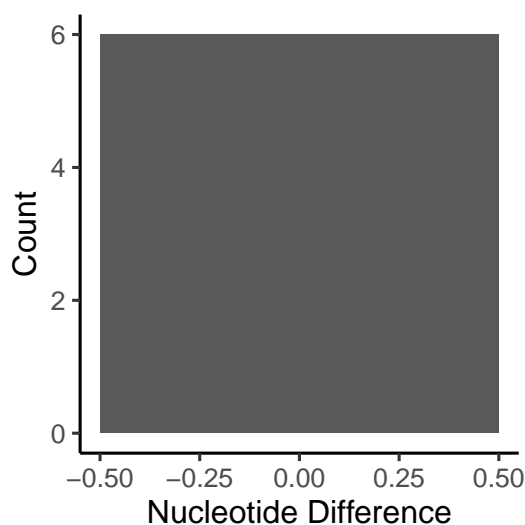
TRBV6–8*ap01

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



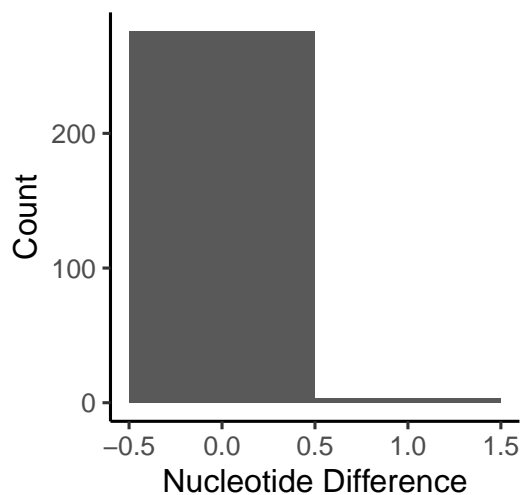
TRBV5–7*ap01

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



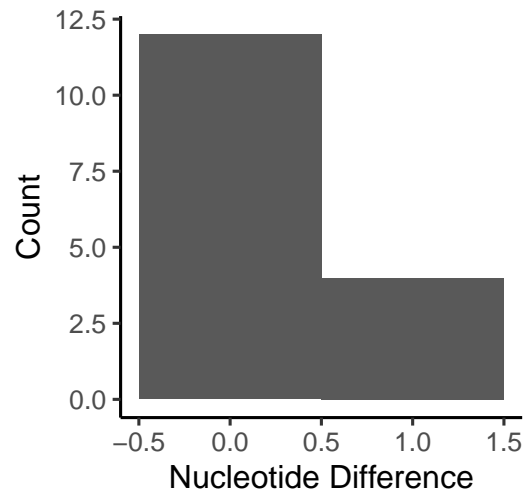
TRBV6–4*ap01

279 sequences assigned
276 (98.9%) exact matches, in which:
273 unique CDR3
13 unique J



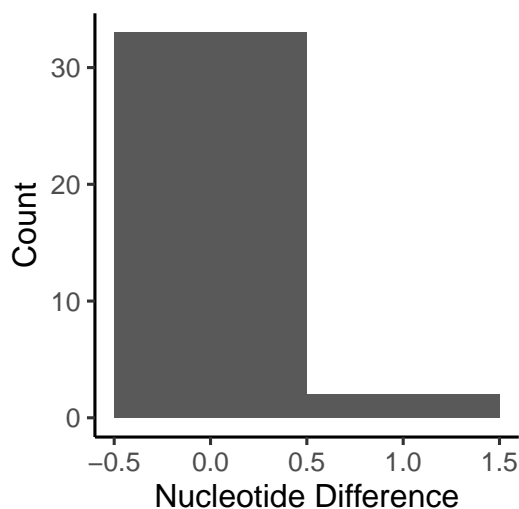
TRBV6–9*ap01

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



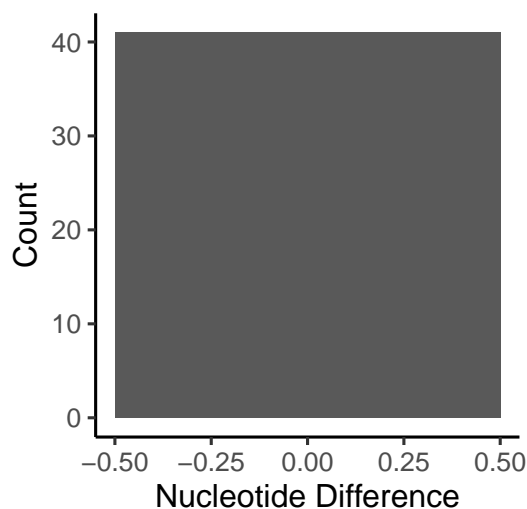
TRBV5–8*ap01

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



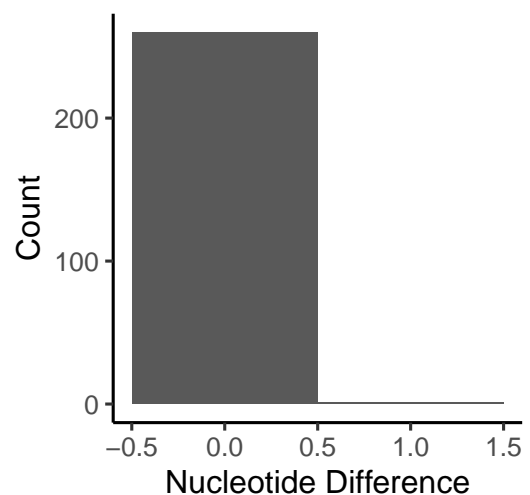
TRBV6–7*ap01

41 sequences assigned
41 (100%) exact matches, in which:
40 unique CDR3
10 unique J



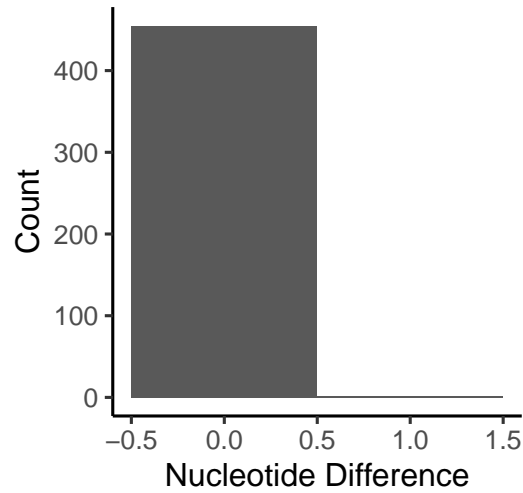
TRBV6–23*ap01

261 sequences assigned
260 (99.6%) exact matches, in which:
256 unique CDR3
13 unique J



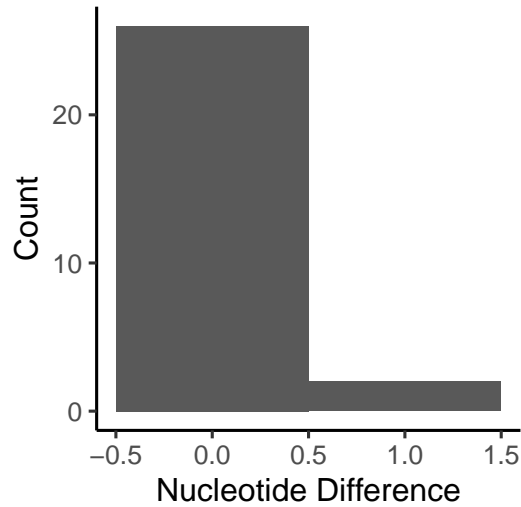
TRBV6-56*ap01

457 sequences assigned
455 (99.6%) exact matches, in which:
452 unique CDR3
12 unique J



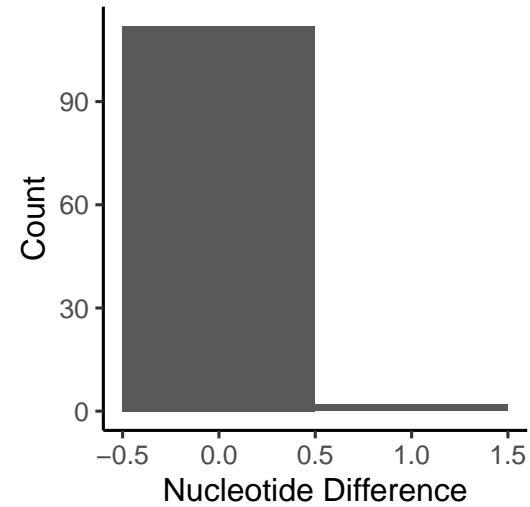
TRBV7-3*ap01

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



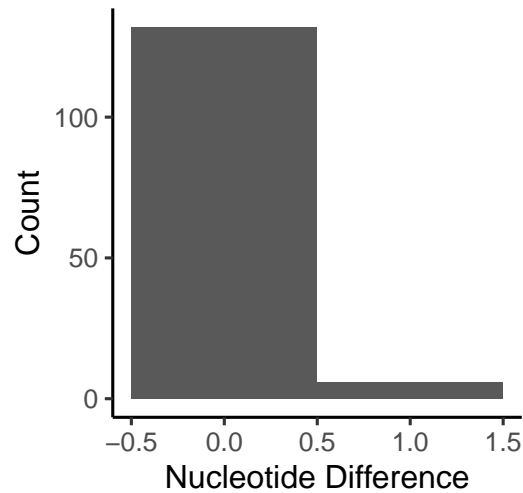
TRBV7-6*ap01

114 sequences assigned
112 (98.2%) exact matches, in which:
110 unique CDR3
11 unique J



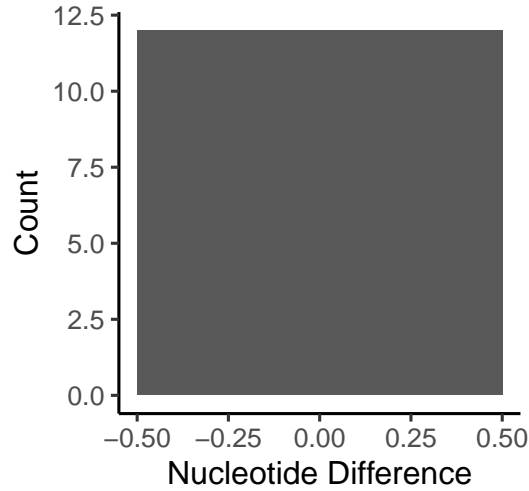
TRBV6-56*ap02

138 sequences assigned
132 (95.7%) exact matches, in which:
132 unique CDR3
13 unique J



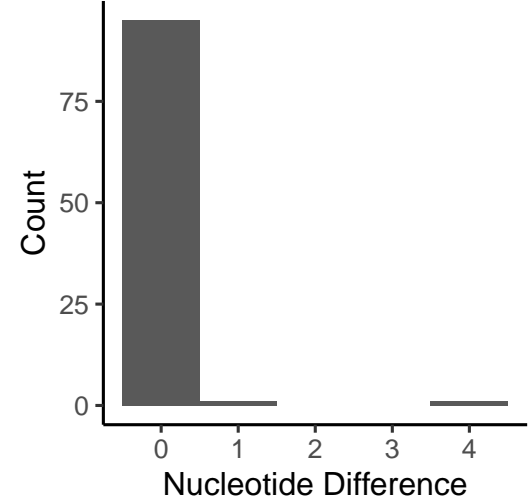
TRBV7-3*ap02

12 sequences assigned
12 (100%) exact matches, in which:
12 unique CDR3
9 unique J



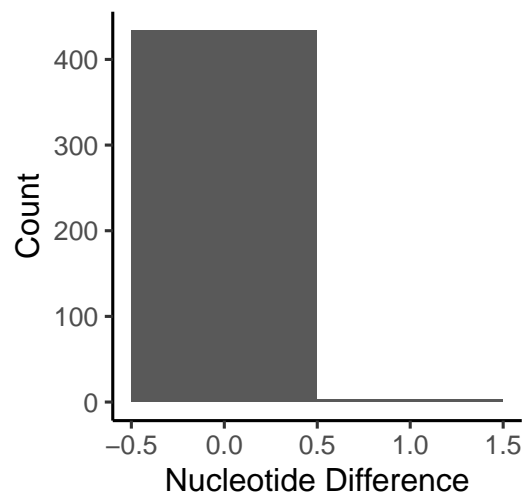
TRBV7-7*ap01_C315T

97 sequences assigned
95 (97.9%) exact matches, in which:
95 unique CDR3
12 unique J



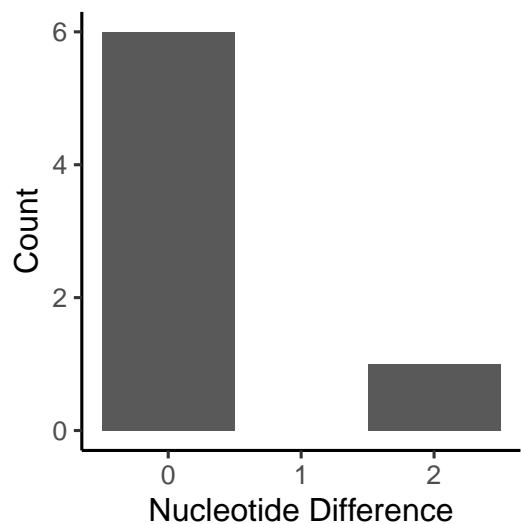
TRBV7-2*ap01

437 sequences assigned
434 (99.3%) exact matches, in which:
432 unique CDR3
13 unique J



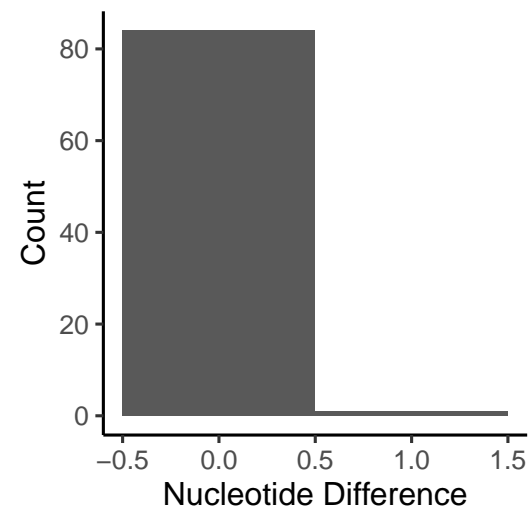
TRBV7-4*ap01

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
4 unique J



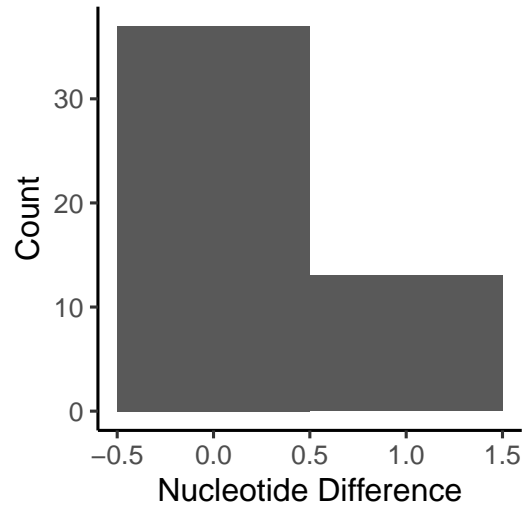
TRBV7-8*ap01

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



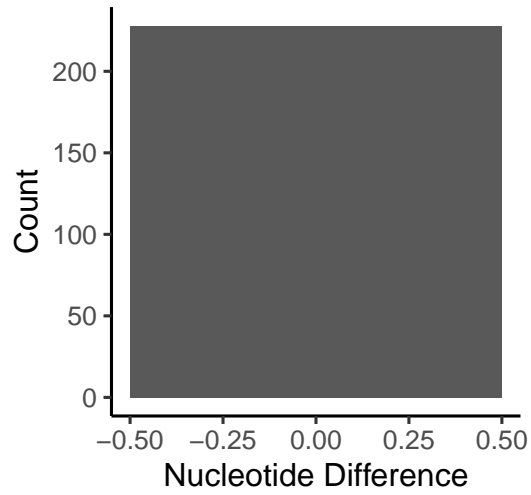
TRBV7-8*ap03

50 sequences assigned
37 (74%) exact matches, in which:
37 unique CDR3
11 unique J



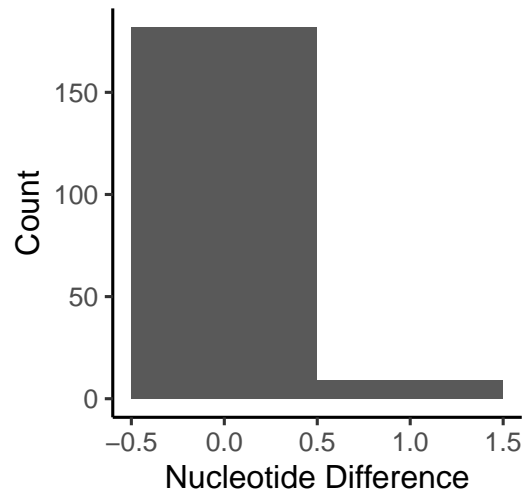
TRBV29-1*ap02

228 sequences assigned
228 (100%) exact matches, in which:
224 unique CDR3
13 unique J



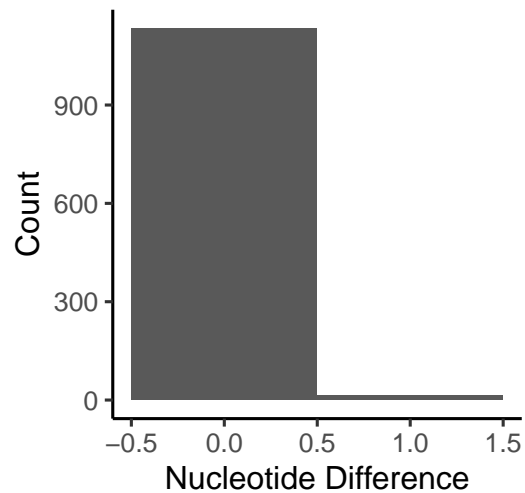
TRBV7-9*ap01

191 sequences assigned
182 (95.3%) exact matches, in which:
182 unique CDR3
12 unique J

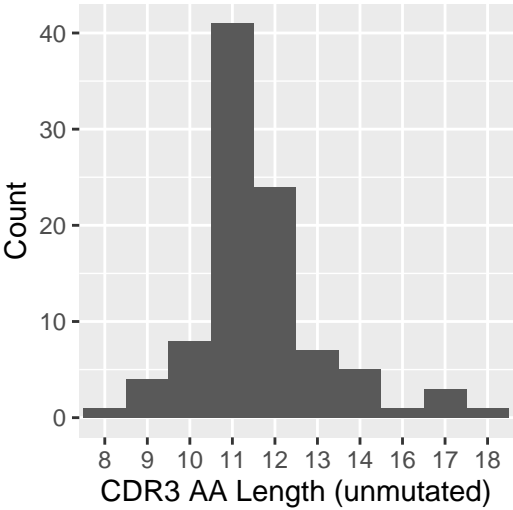


TRBV29-1*ap01

1149 sequences assigned
1134 (98.7%) exact matches, in which:
1118 unique CDR3
13 unique J



TRBV7-7*ap01_C315T





[illegible]