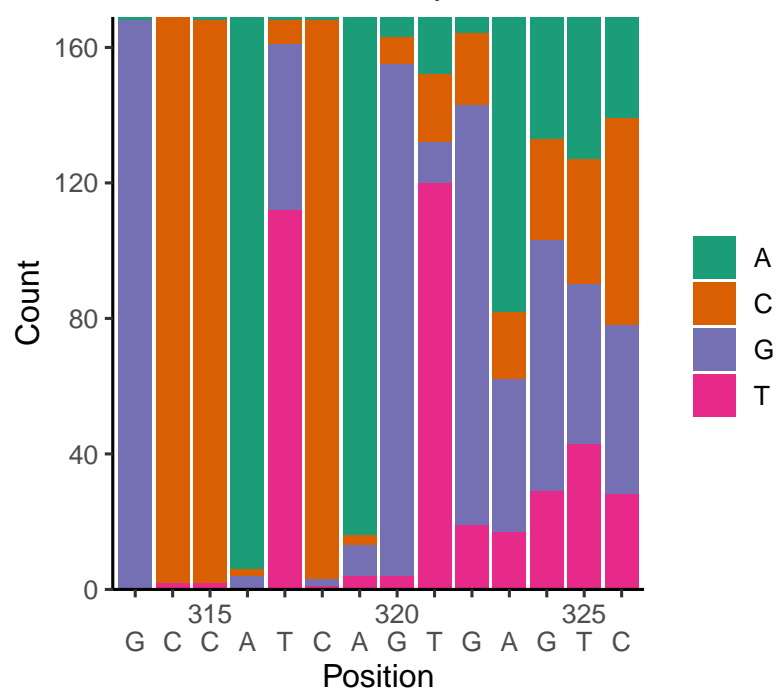
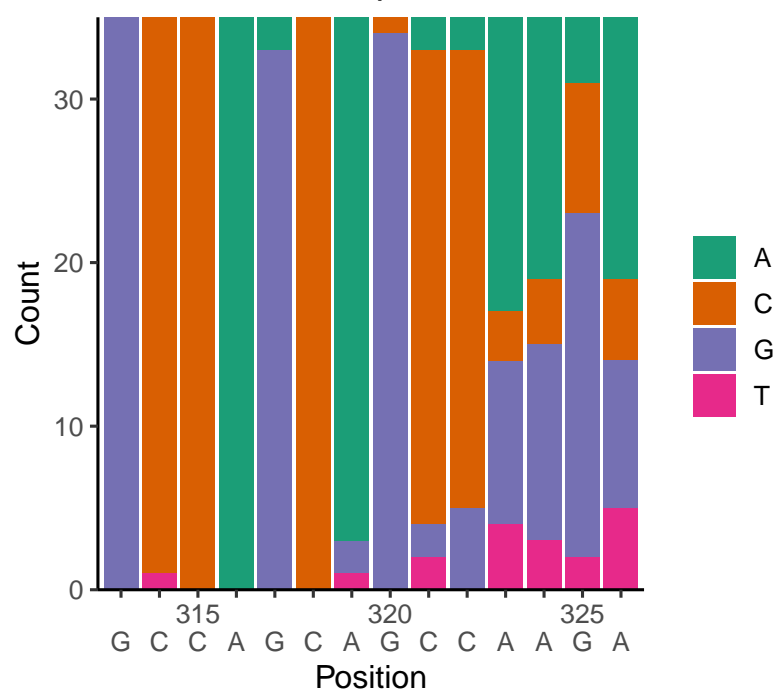


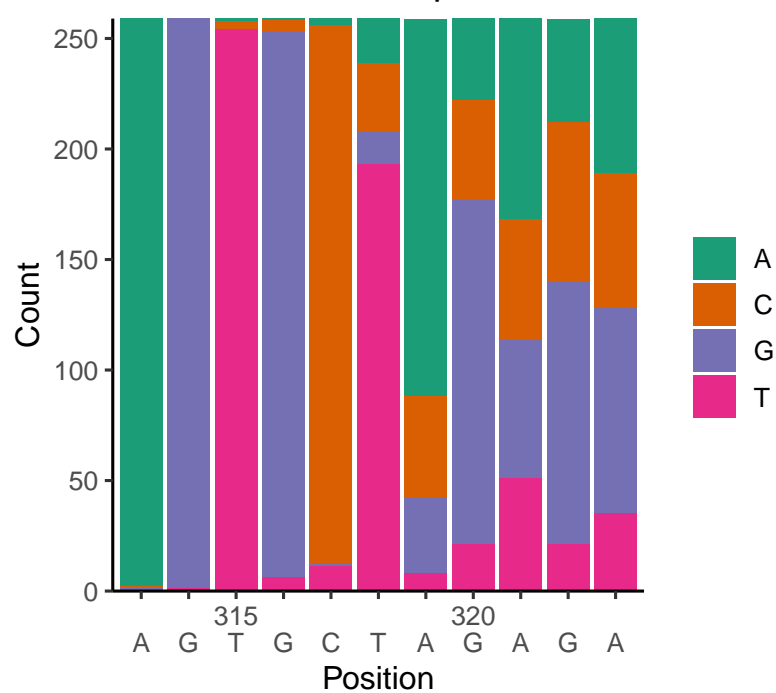
Gene TRBV10-3*bp02_313GCCATCAGTGAGTC326



Gene TRBV14*bp02_322CAAGA326



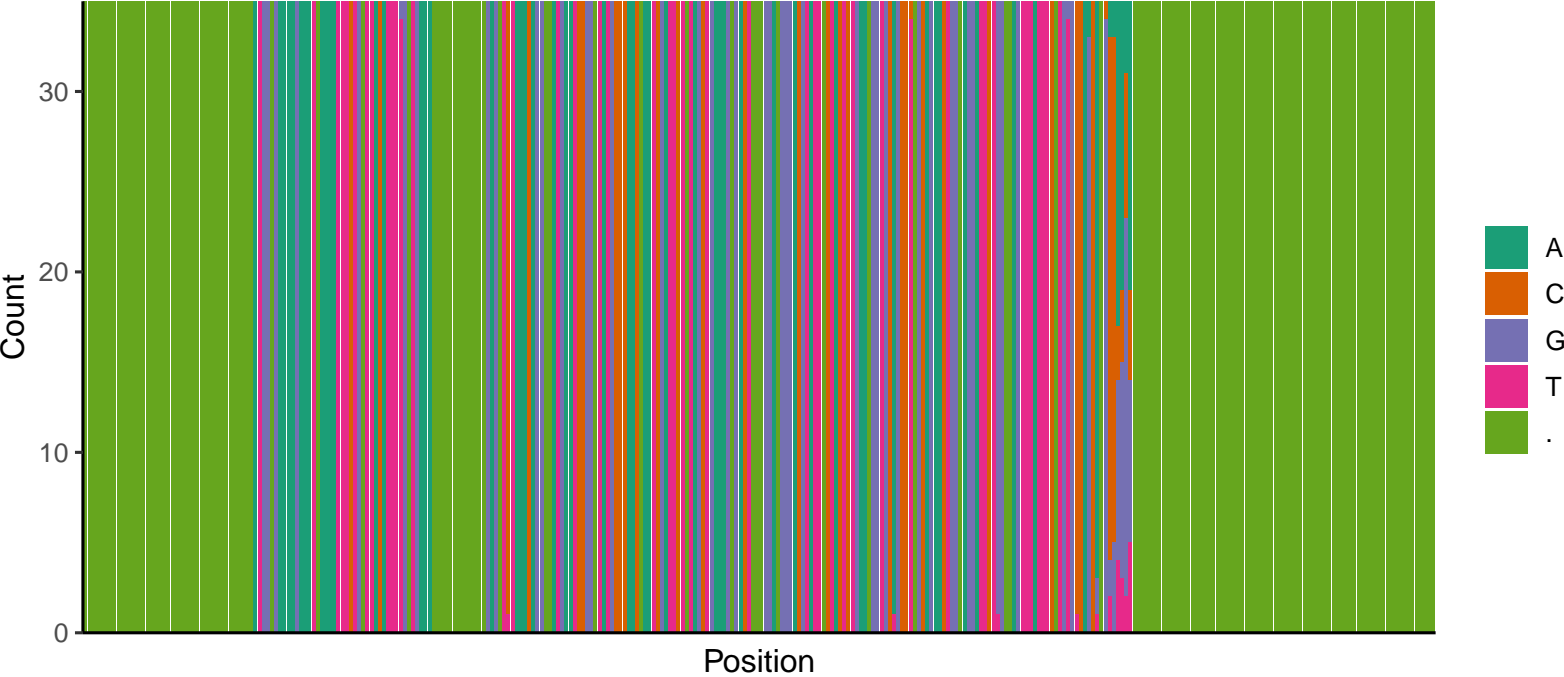
Gene TRBV20-1*bp04_322GA323



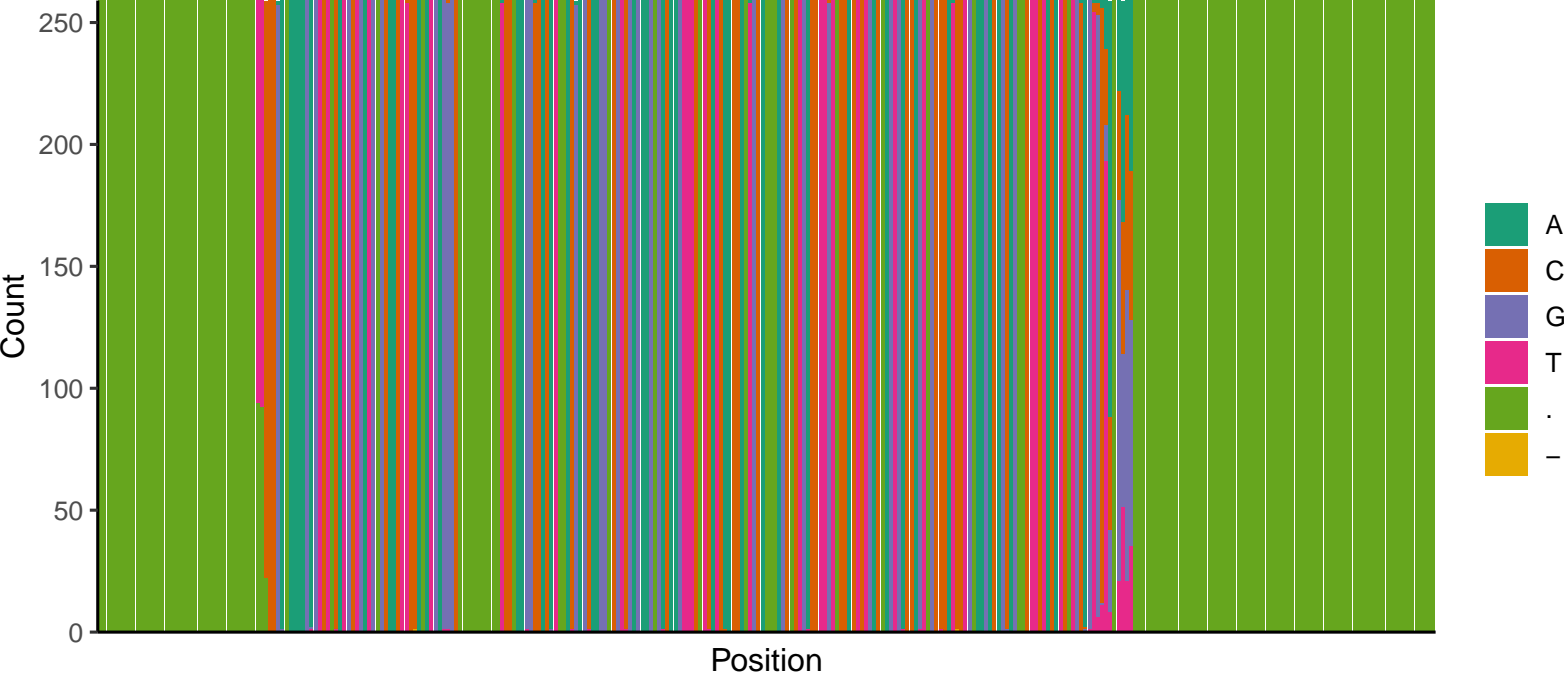
Gene TRBV10-3*bp02_313GCCATCAGTGAGTC326



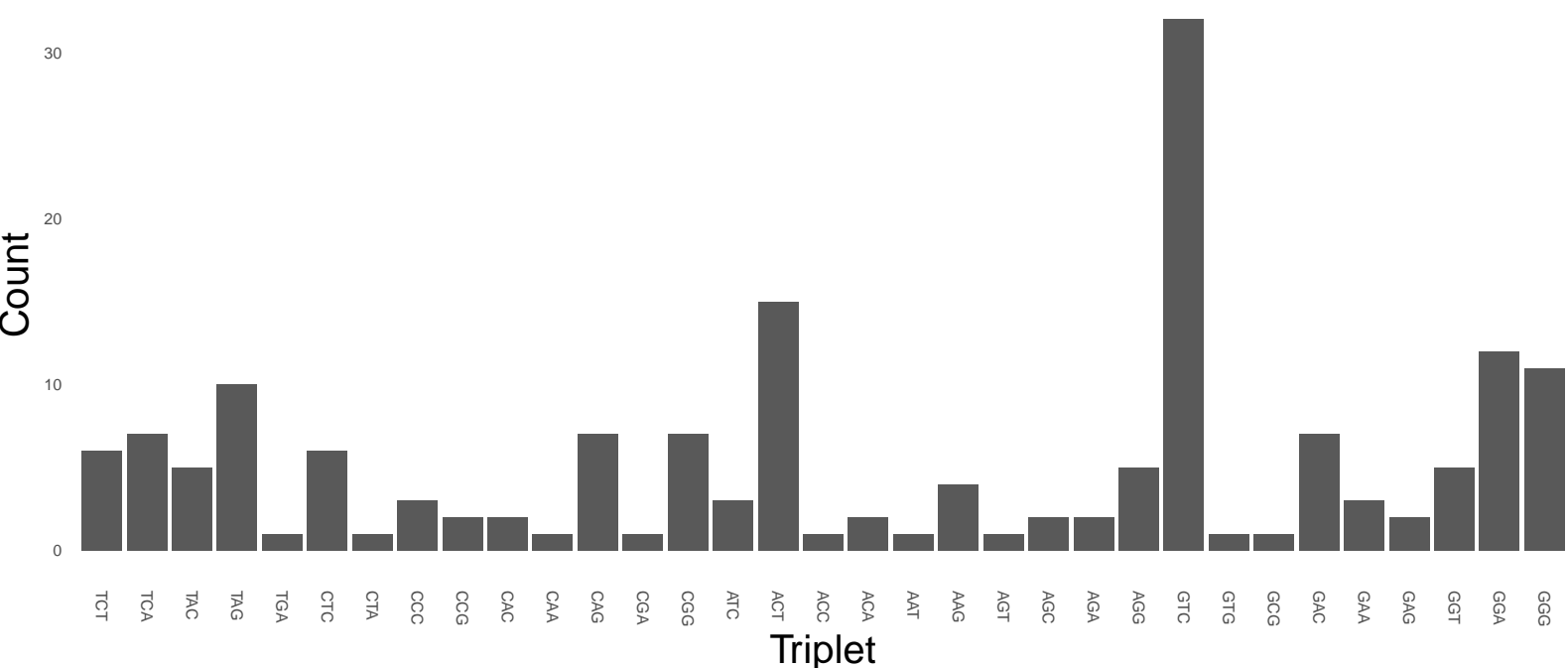
Gene TRBV14*bp02_322CAAGA326



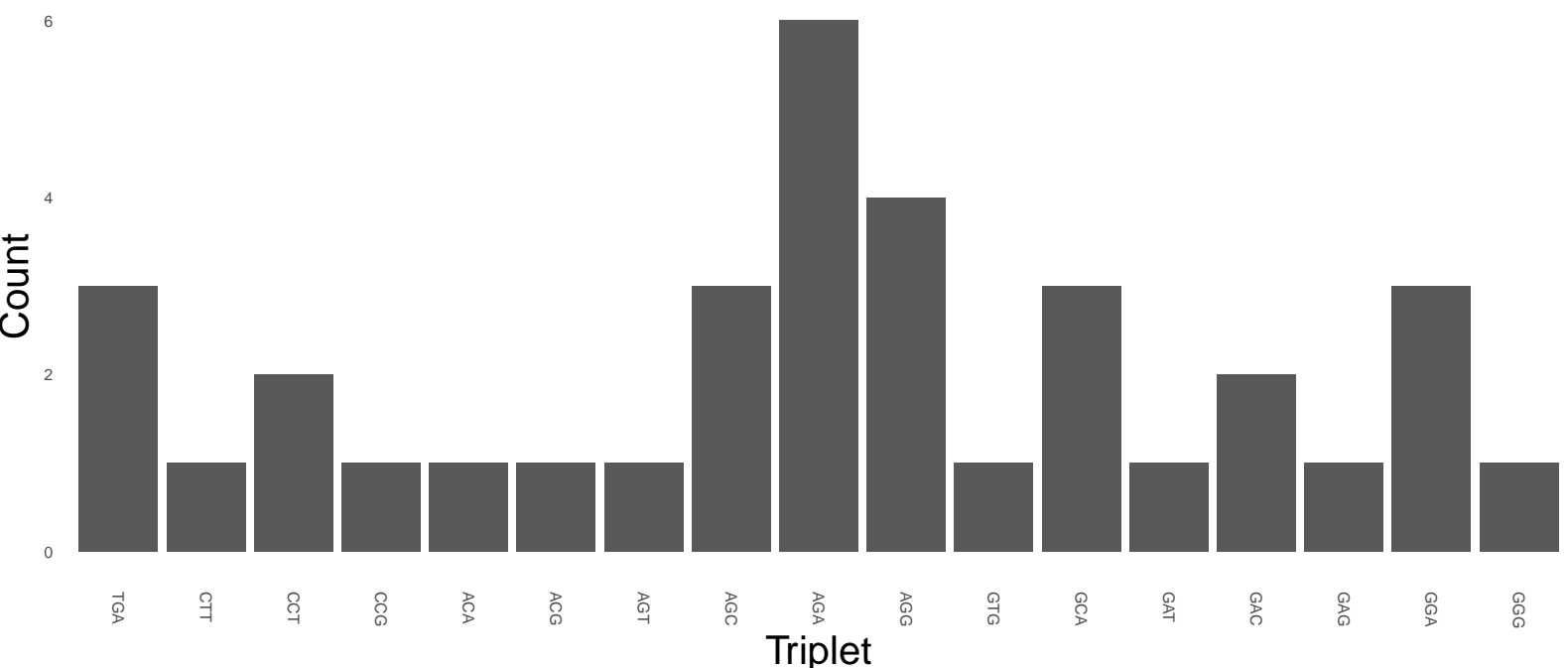
Gene TRBV20-1*bp04_322GA323



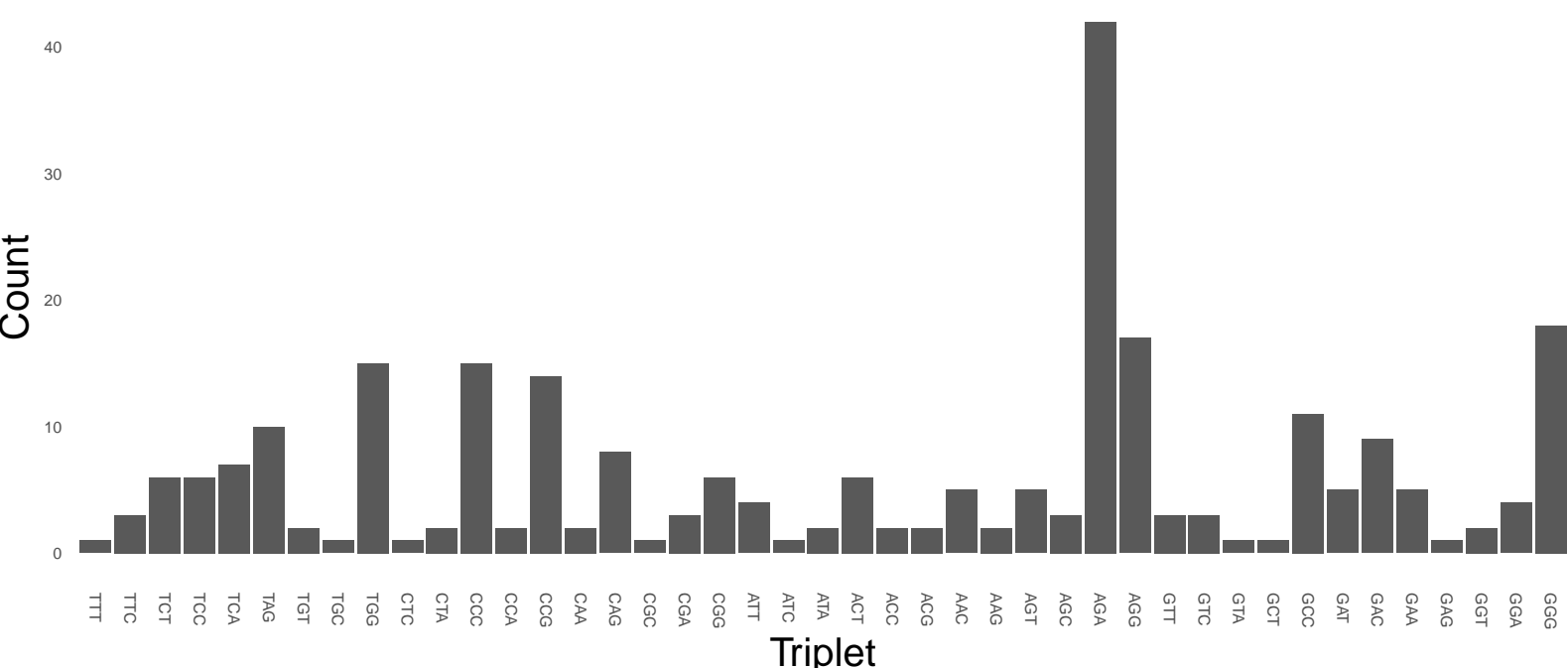
TRBV10–3*bp02_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



TRBV14*bp02_322CAAGA326– Final 3 nucleotides as a triplet

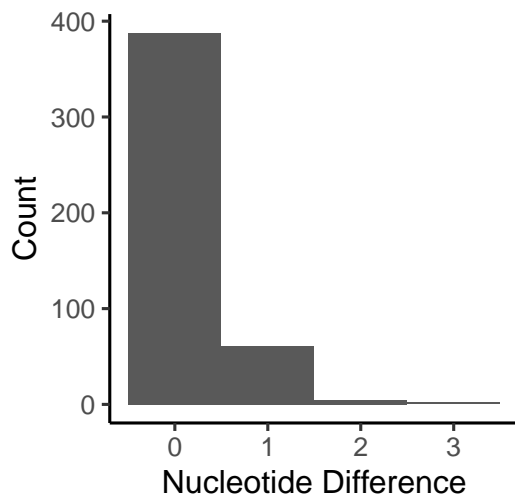


TRBV20–1*bp04_322GA323– Final 3 nucleotides as a triplet



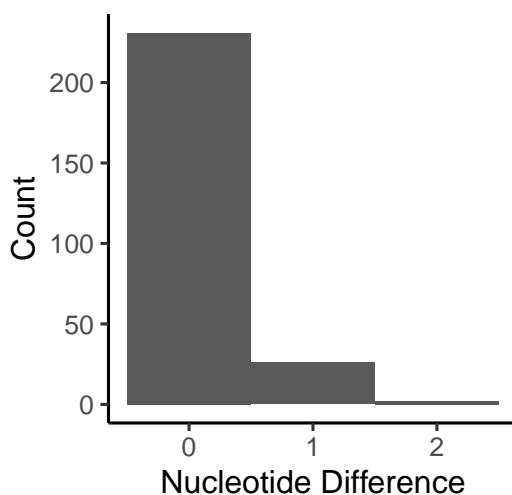
TRBV20–1*bp01

456 sequences assigned
388 (85.1%) exact matches, in which:
201 unique CDR3
13 unique J



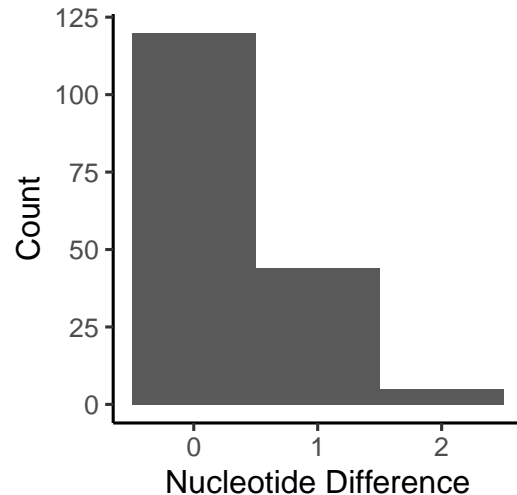
TRBV20–1*bp04_322GA:

259 sequences assigned
231 (89.2%) exact matches, in which:
137 unique CDR3
13 unique J



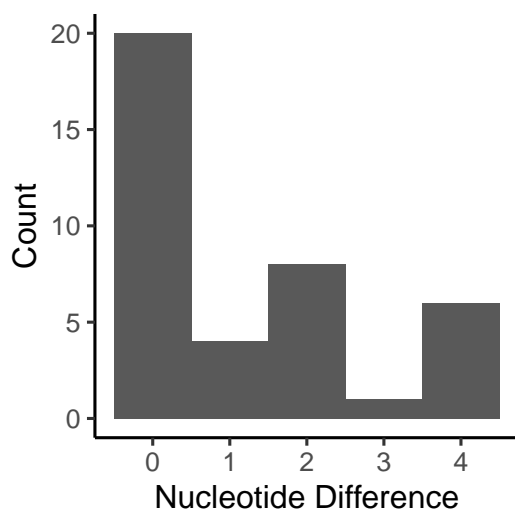
TRBV10–3*bp02_313GC

169 sequences assigned
120 (71%) exact matches, in which:
101 unique CDR3
12 unique J



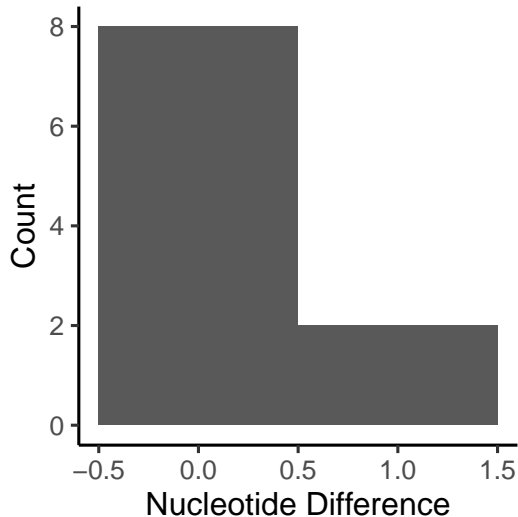
TRBV10–1*bp01

39 sequences assigned
20 (51.3%) exact matches, in which:
15 unique CDR3
8 unique J



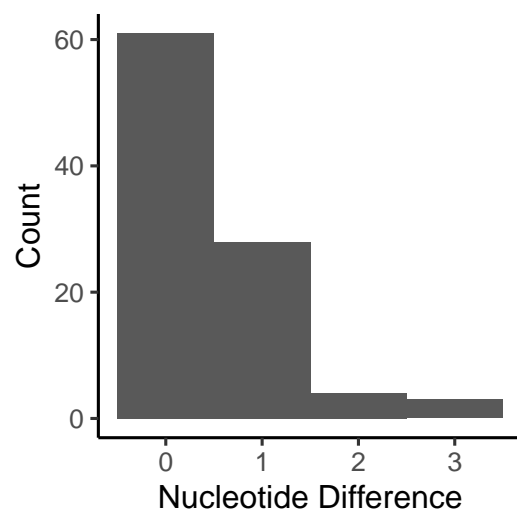
TRBV10–2*bp01

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



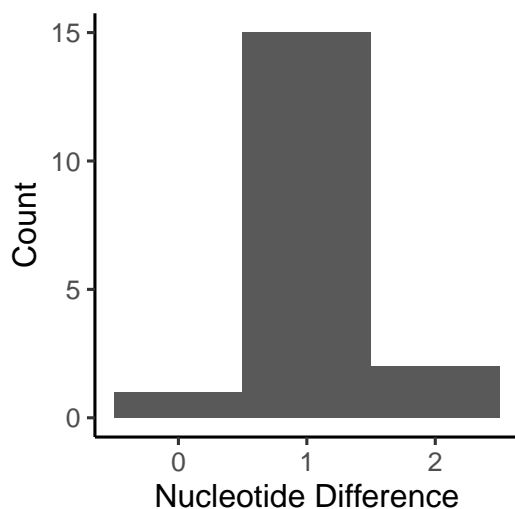
TRBV13*bp01

96 sequences assigned
61 (63.5%) exact matches, in which:
49 unique CDR3
13 unique J



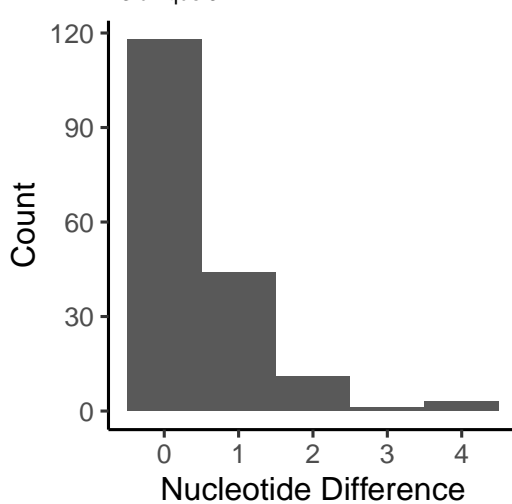
TRBV10–1*bp02

18 sequences assigned
1 (5.6%) exact matches, in which:
1 unique CDR3
1 unique J



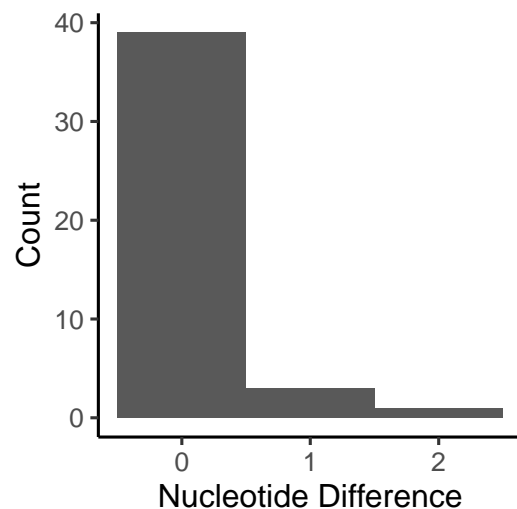
TRBV10–3*bp01

177 sequences assigned
118 (66.7%) exact matches, in which:
80 unique CDR3
13 unique J



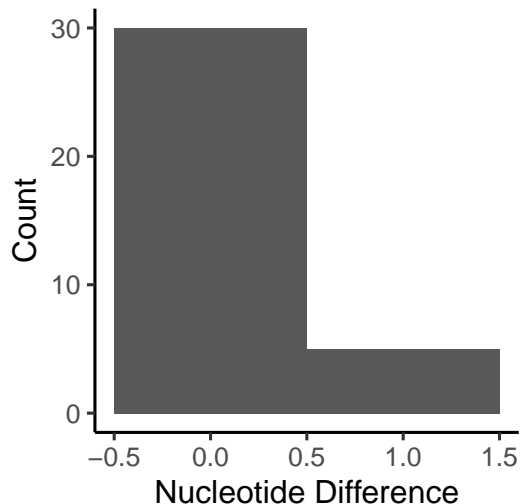
TRBV14*bp01

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



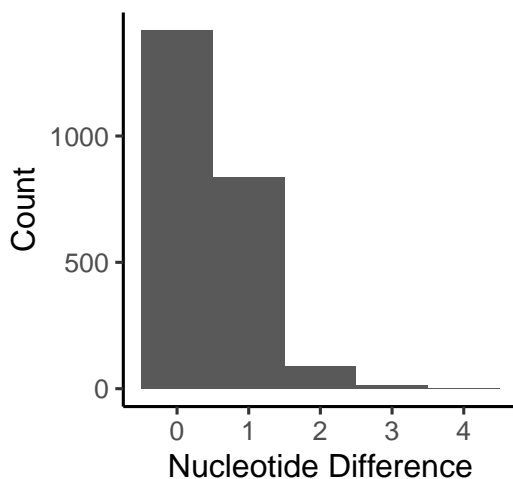
TRBV14*bp02_322CAAG/

35 sequences assigned
30 (85.7%) exact matches, in which:
23 unique CDR3
8 unique J



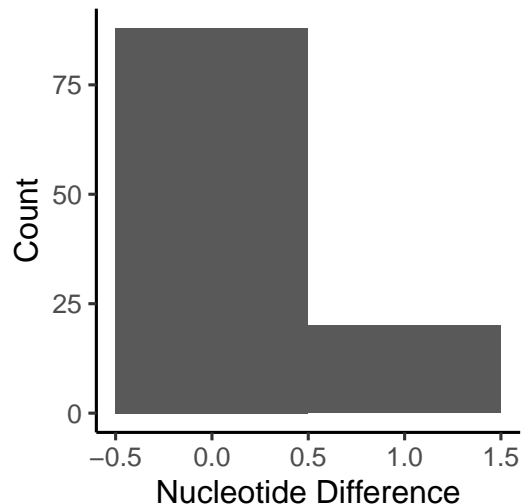
TRBV19*bp01

2360 sequences assigned
1418 (60.1%) exact matches, in which:
789 unique CDR3
14 unique J



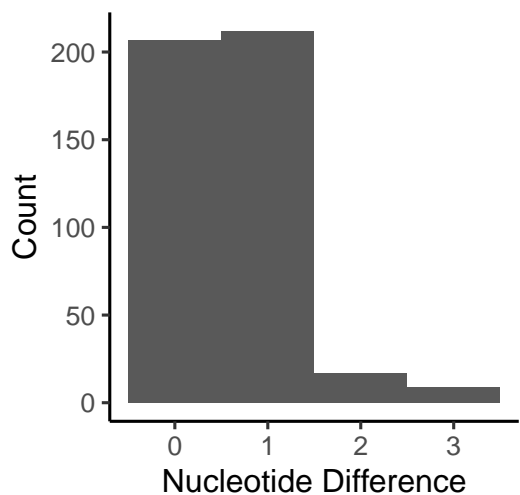
TRBV28*bp01

108 sequences assigned
88 (81.5%) exact matches, in which:
69 unique CDR3
13 unique J



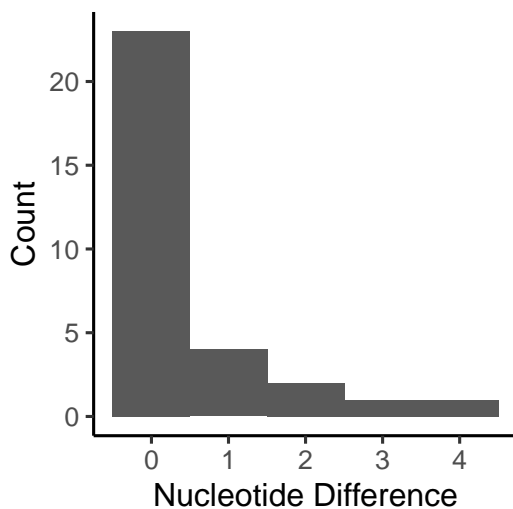
TRBV15*bp02

445 sequences assigned
207 (46.5%) exact matches, in which:
111 unique CDR3
13 unique J



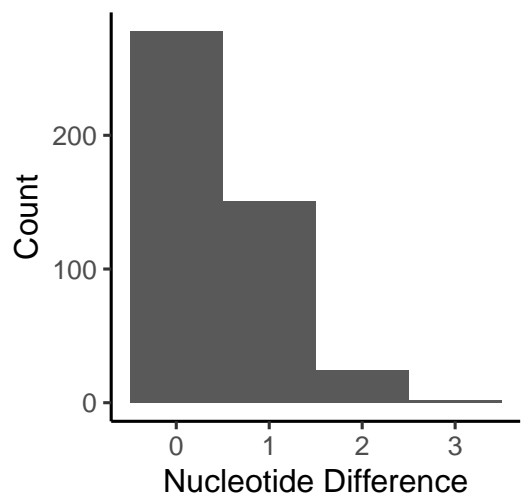
TRBV2*bp01

31 sequences assigned
23 (74.2%) exact matches, in which:
21 unique CDR3
11 unique J



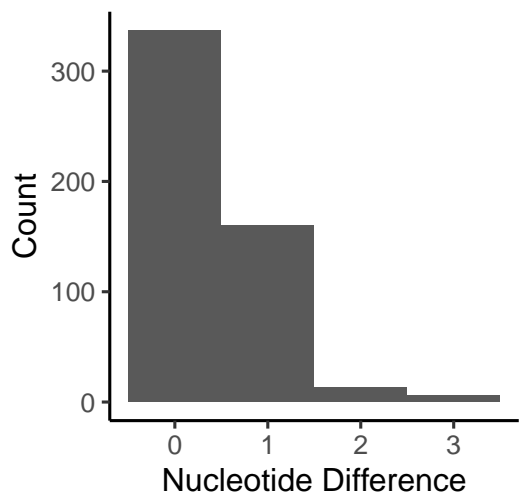
TRBV30*bp02

455 sequences assigned
278 (61.1%) exact matches, in which:
118 unique CDR3
14 unique J



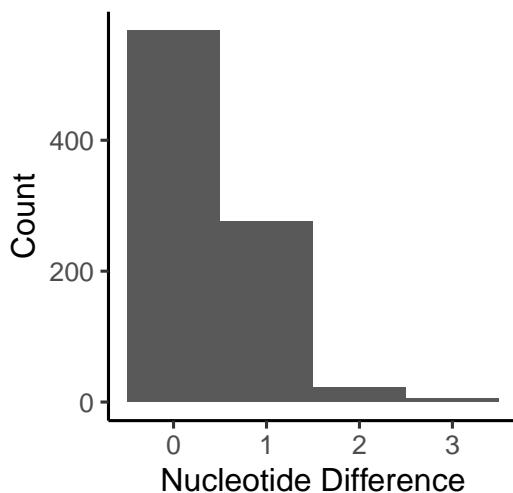
TRBV18*bp01

516 sequences assigned
337 (65.3%) exact matches, in which:
152 unique CDR3
14 unique J



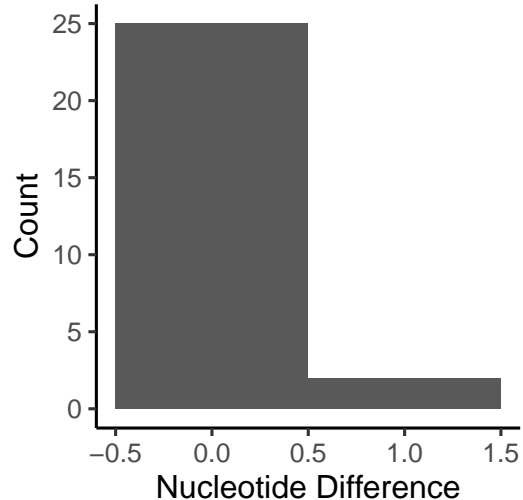
TRBV27*bp01

871 sequences assigned
568 (65.2%) exact matches, in which:
422 unique CDR3
14 unique J



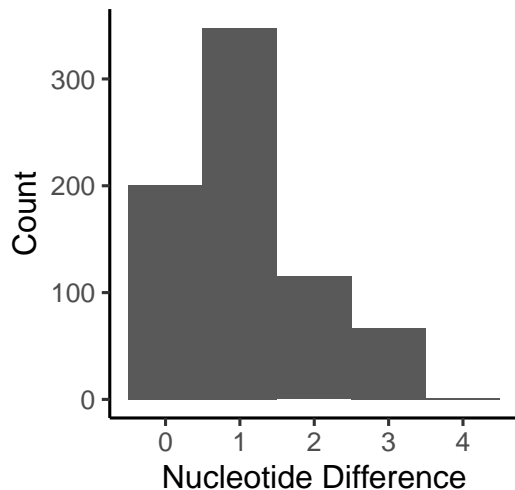
TRBV9*bp01

27 sequences assigned
25 (92.6%) exact matches, in which:
21 unique CDR3
9 unique J



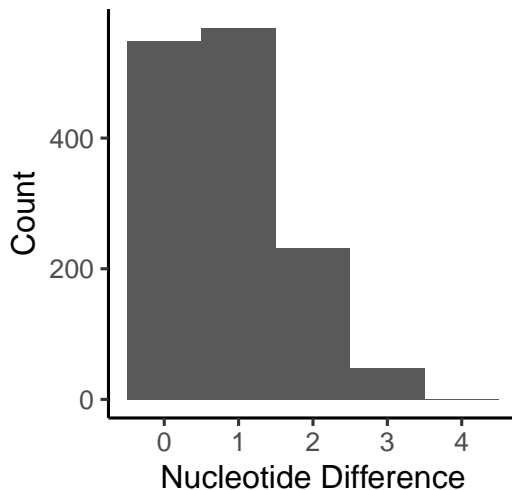
TRBV11–1*bp01

732 sequences assigned
201 (27.5%) exact matches, in which:
140 unique CDR3
13 unique J



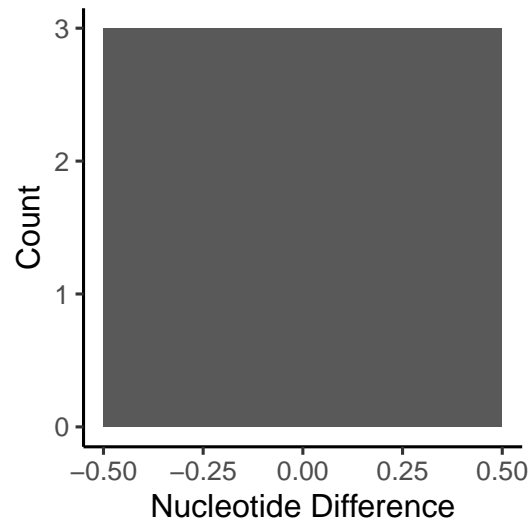
TRBV11–3*bp01

1398 sequences assigned
548 (39.2%) exact matches, in which:
329 unique CDR3
14 unique J



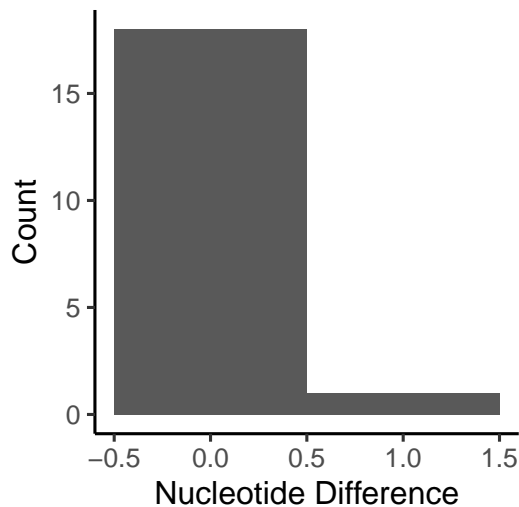
TRBV23–1*bp01

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



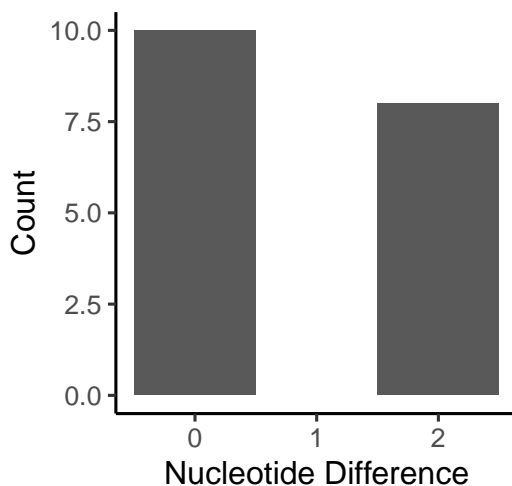
TRBV21–1*bp01

19 sequences assigned
18 (94.7%) exact matches, in which:
16 unique CDR3
10 unique J



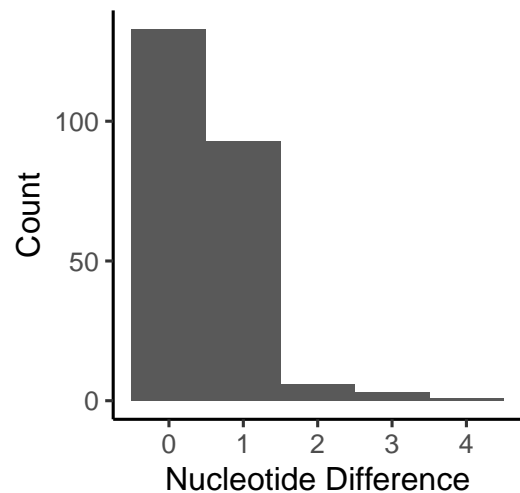
TRBV12–5*bp01

18 sequences assigned
10 (55.6%) exact matches, in which:
7 unique CDR3
4 unique J



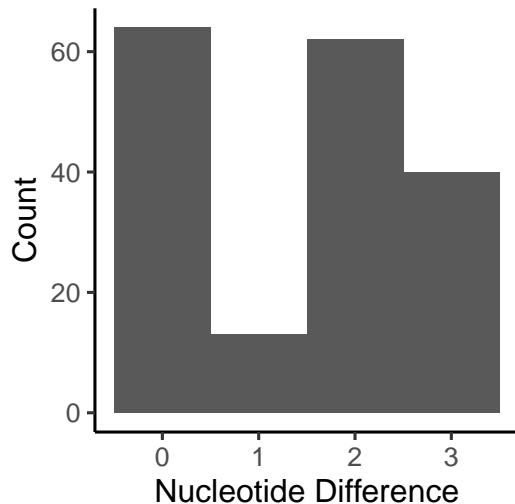
TRBV24–1*bp01

236 sequences assigned
133 (56.4%) exact matches, in which:
88 unique CDR3
12 unique J



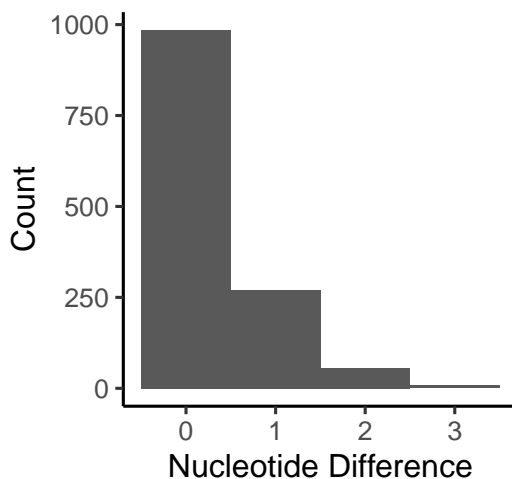
TRBV11–2*bp01

179 sequences assigned
64 (35.8%) exact matches, in which:
44 unique CDR3
12 unique J



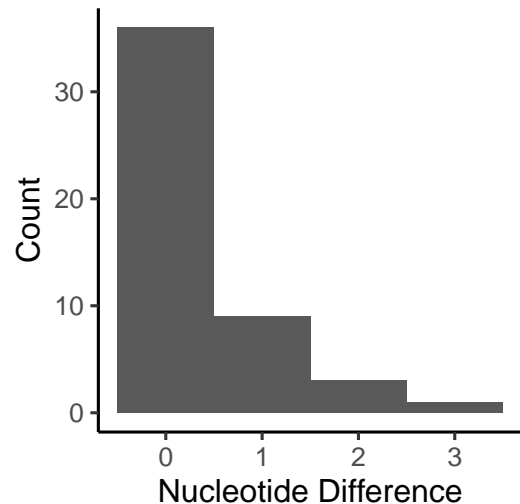
TRBV12–34*bp01

1320 sequences assigned
985 (74.6%) exact matches, in which:
494 unique CDR3
14 unique J



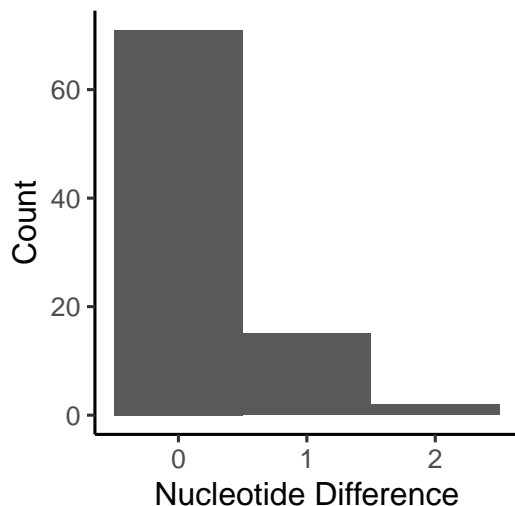
TRBV4–1*bp01

49 sequences assigned
36 (73.5%) exact matches, in which:
31 unique CDR3
11 unique J



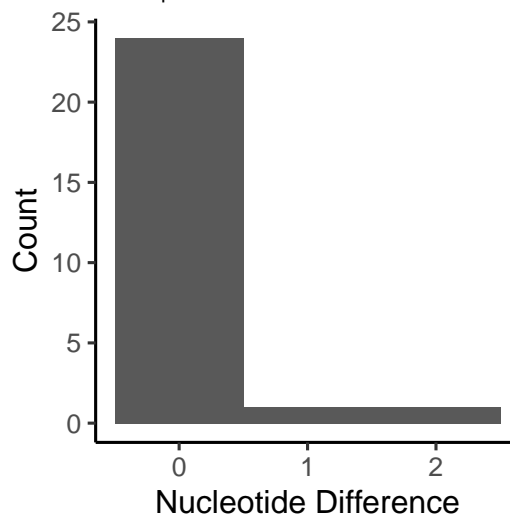
TRBV4-2*bp01

88 sequences assigned
71 (80.7%) exact matches, in which:
53 unique CDR3
12 unique J



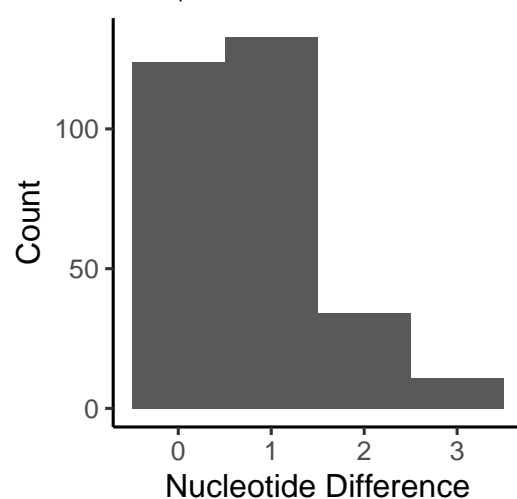
TRBV25-1*bp01

26 sequences assigned
24 (92.3%) exact matches, in which:
16 unique CDR3
11 unique J



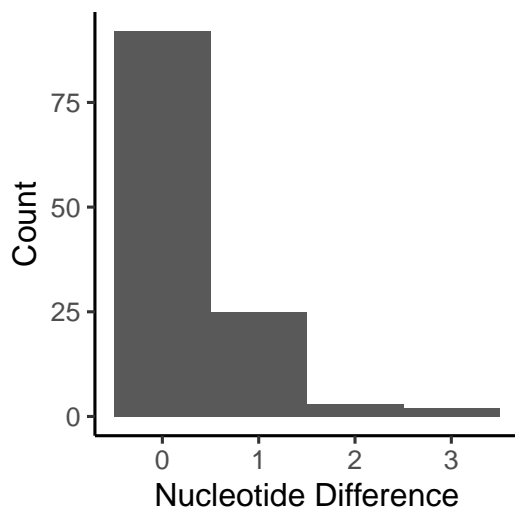
TRBV5-5*bp01

302 sequences assigned
124 (41.1%) exact matches, in which:
78 unique CDR3
14 unique J



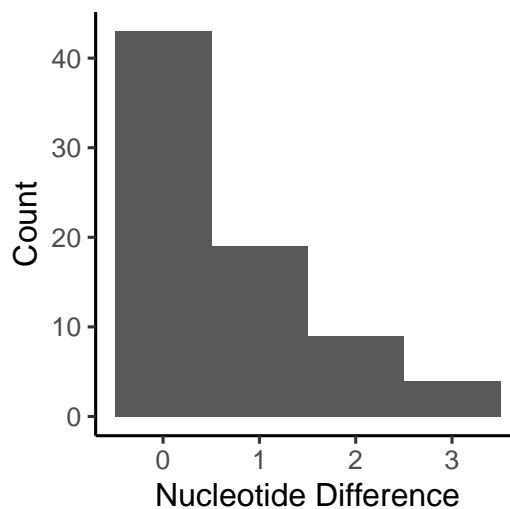
TRBV4-3*bp01

122 sequences assigned
92 (75.4%) exact matches, in which:
58 unique CDR3
11 unique J



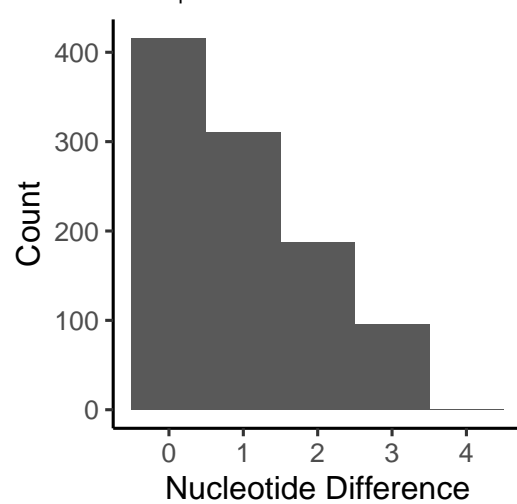
TRBV5-3*bp01

75 sequences assigned
43 (57.3%) exact matches, in which:
28 unique CDR3
9 unique J



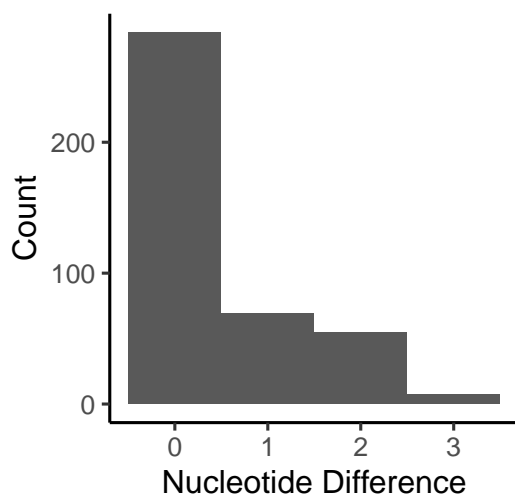
TRBV5-6*bp01

1012 sequences assigned
416 (41.1%) exact matches, in which:
240 unique CDR3
14 unique J



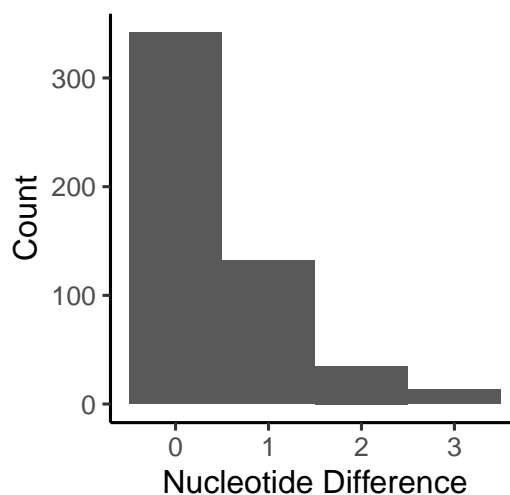
TRBV5-1*bp01

415 sequences assigned
284 (68.4%) exact matches, in which:
146 unique CDR3
14 unique J



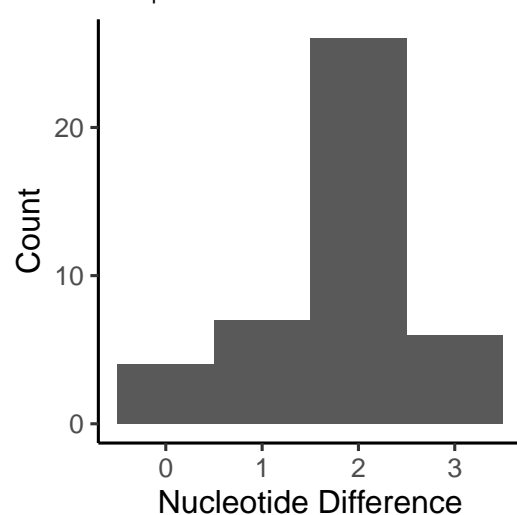
TRBV5-4*bp01

522 sequences assigned
342 (65.5%) exact matches, in which:
192 unique CDR3
14 unique J



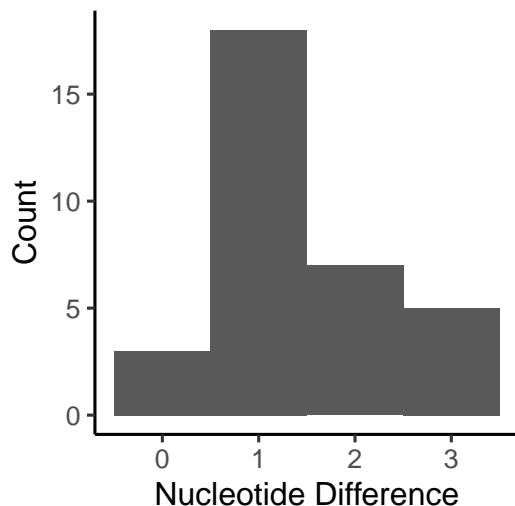
TRBV5-7*bp01

43 sequences assigned
4 (9.3%) exact matches, in which:
3 unique CDR3
3 unique J



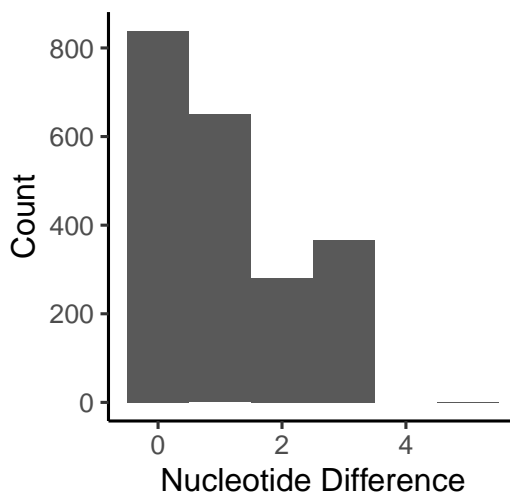
TRBV5–8*bp01

33 sequences assigned
3 (9.1%) exact matches, in which:
2 unique CDR3
2 unique J



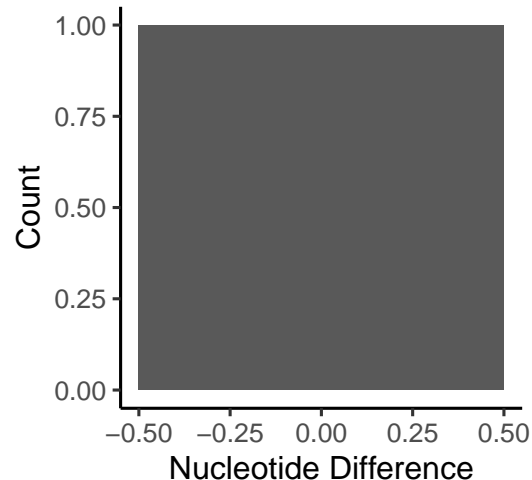
TRBV6–5*bp01

2137 sequences assigned
839 (39.3%) exact matches, in which:
561 unique CDR3
14 unique J



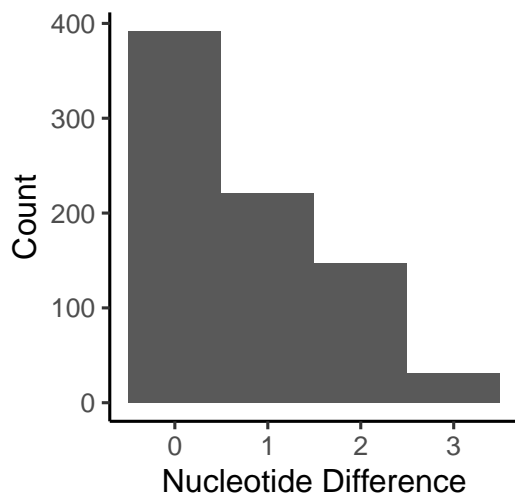
TRBV6–7*bp01

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



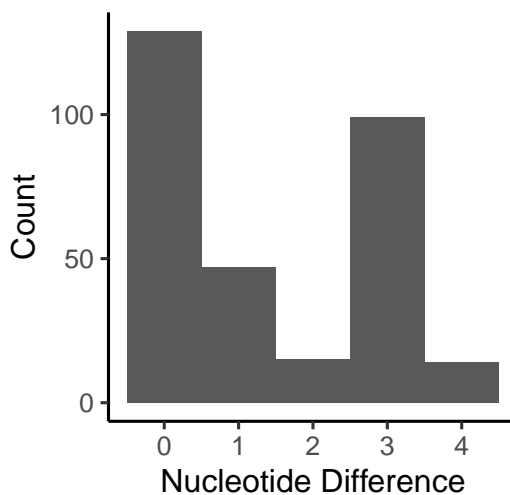
TRBV6–1*bp01

791 sequences assigned
392 (49.6%) exact matches, in which:
294 unique CDR3
14 unique J



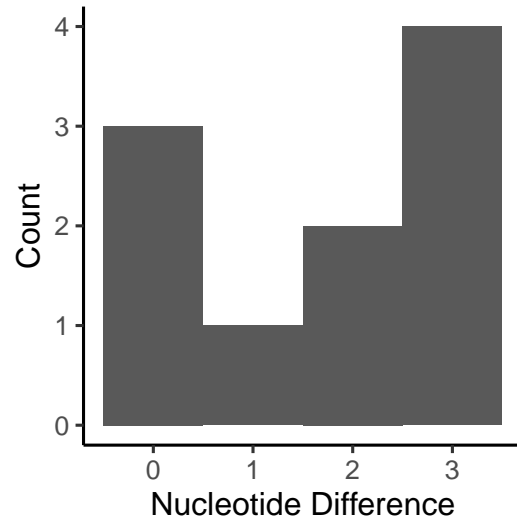
TRBV6–6*bp01

304 sequences assigned
129 (42.4%) exact matches, in which:
97 unique CDR3
14 unique J



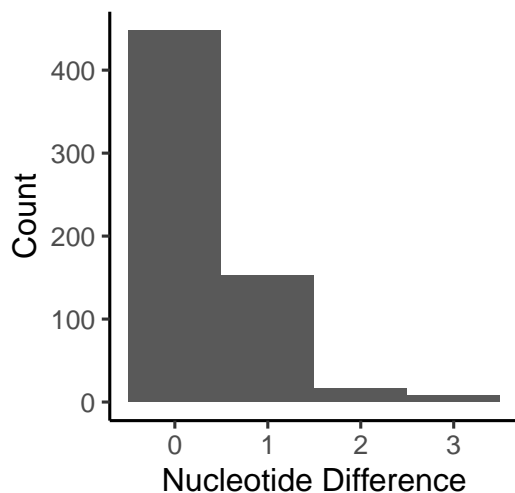
TRBV6–8*bp01

10 sequences assigned
3 (30%) exact matches, in which:
3 unique CDR3
2 unique J



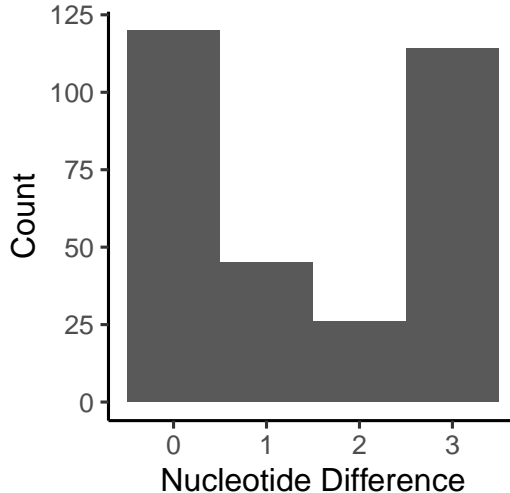
TRBV6–4*bp01

624 sequences assigned
448 (71.8%) exact matches, in which:
296 unique CDR3
14 unique J



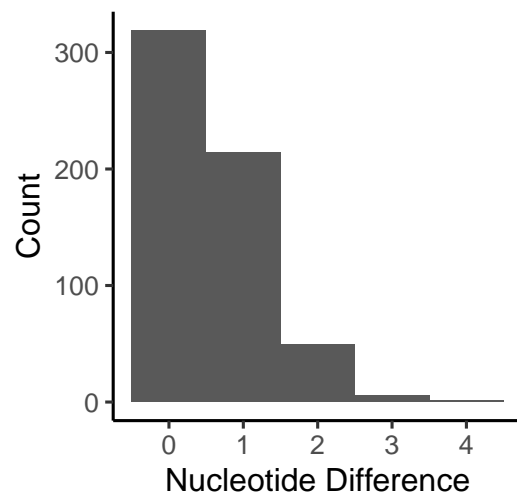
TRBV6–6*bp02

305 sequences assigned
120 (39.3%) exact matches, in which:
104 unique CDR3
13 unique J



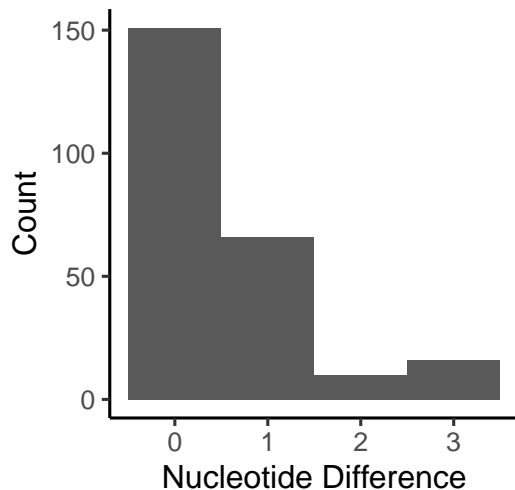
TRBV6–23*bp01

589 sequences assigned
319 (54.2%) exact matches, in which:
241 unique CDR3
14 unique J



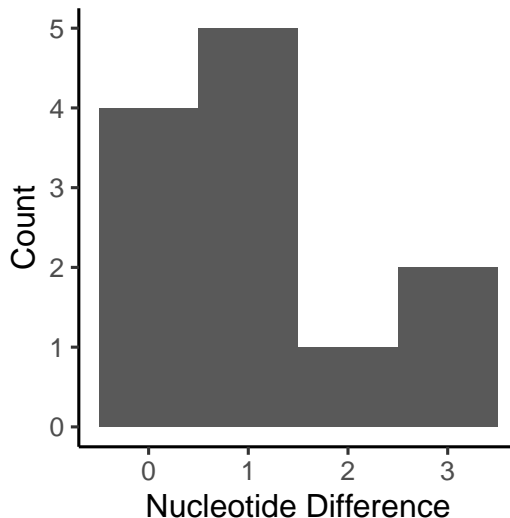
TRBV7-2*bp01

243 sequences assigned
151 (62.1%) exact matches, in which:
100 unique CDR3
14 unique J



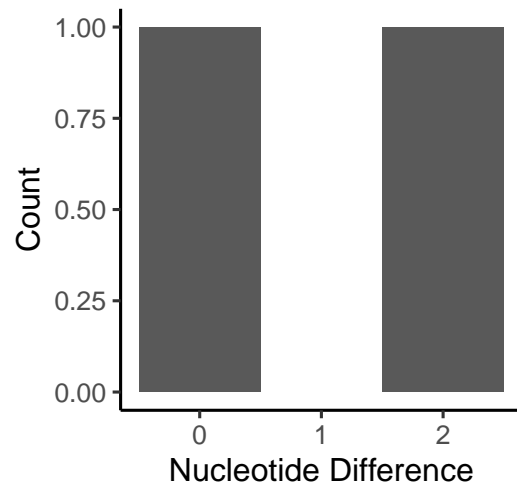
TRBV7-4*bp01

12 sequences assigned
4 (33.3%) exact matches, in which:
4 unique CDR3
4 unique J



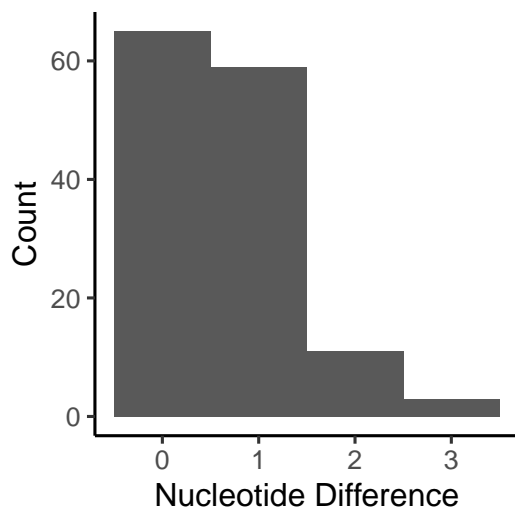
TRBV7-8*bp01

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



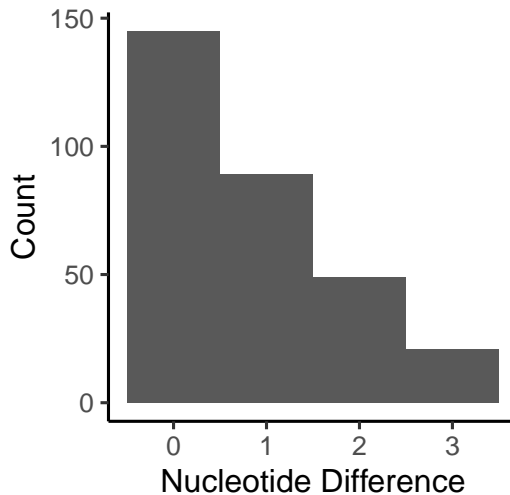
TRBV7-2*bp02

138 sequences assigned
65 (47.1%) exact matches, in which:
49 unique CDR3
10 unique J



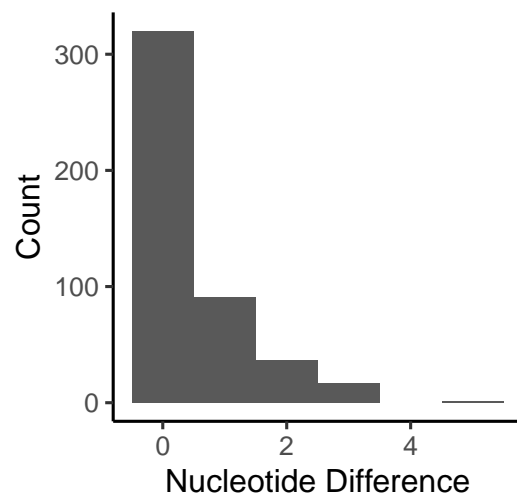
TRBV7-6*bp01

304 sequences assigned
145 (47.7%) exact matches, in which:
75 unique CDR3
11 unique J



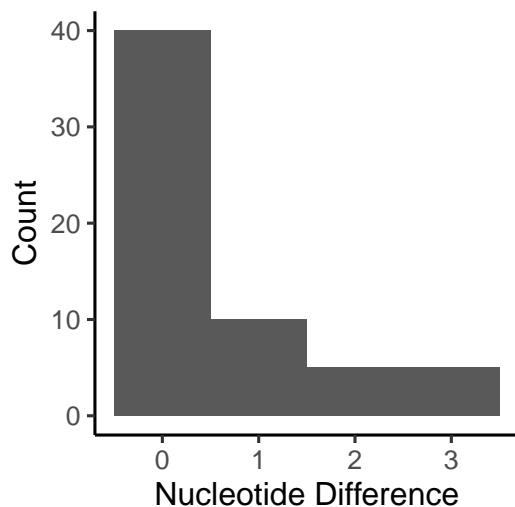
TRBV7-9*bp01

466 sequences assigned
320 (68.7%) exact matches, in which:
160 unique CDR3
14 unique J



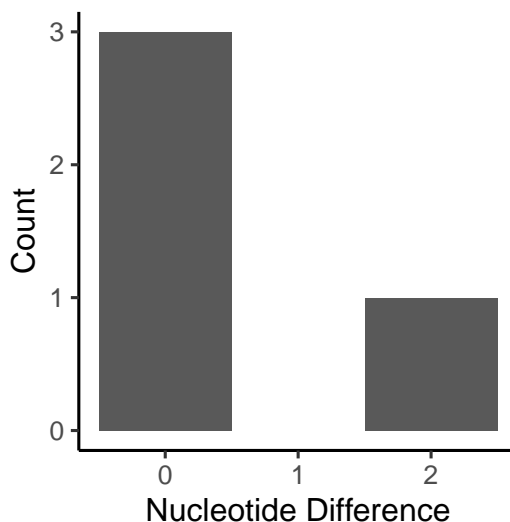
TRBV7-3*bp01

60 sequences assigned
40 (66.7%) exact matches, in which:
34 unique CDR3
10 unique J



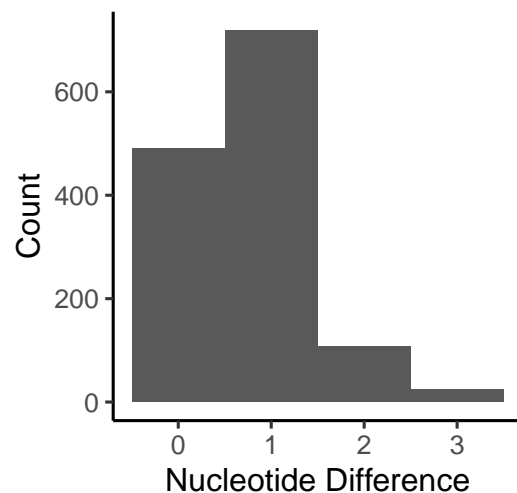
TRBV7-7*bp01

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



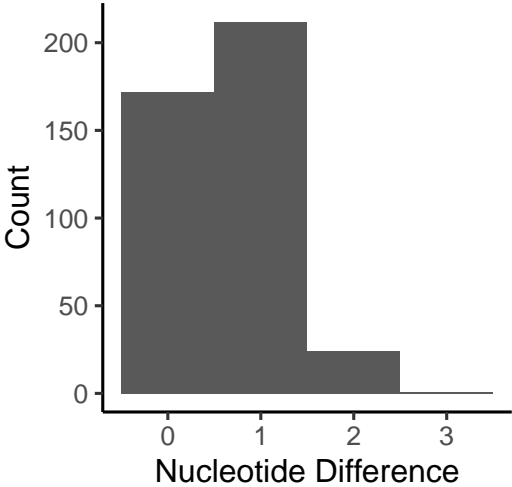
TRBV29-1*bp01

1341 sequences assigned
491 (36.6%) exact matches, in which:
276 unique CDR3
12 unique J

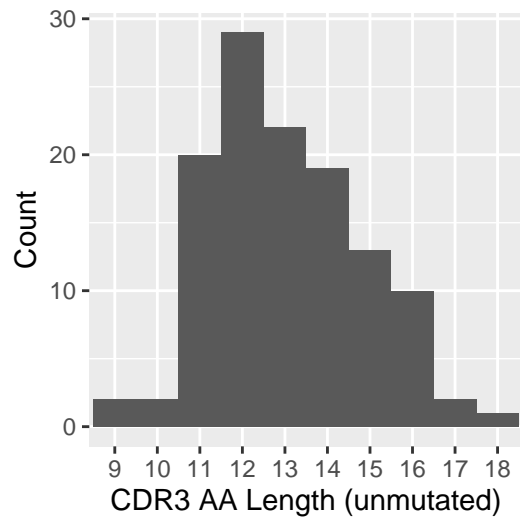


TRBV29-1*bp03

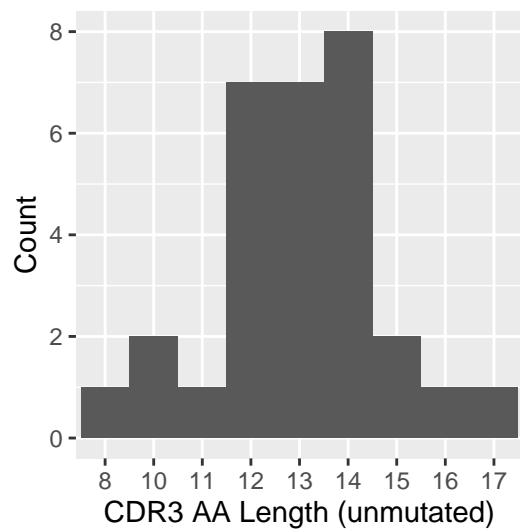
409 sequences assigned
172 (42.1%) exact matches, in which:
108 unique CDR3
10 unique J



TRBV10-3*bp02_313GCCATCAGTGAGTC326



TRBV14*bp02_322CAAGA326



TRBV20-1*bp04_322GA323

