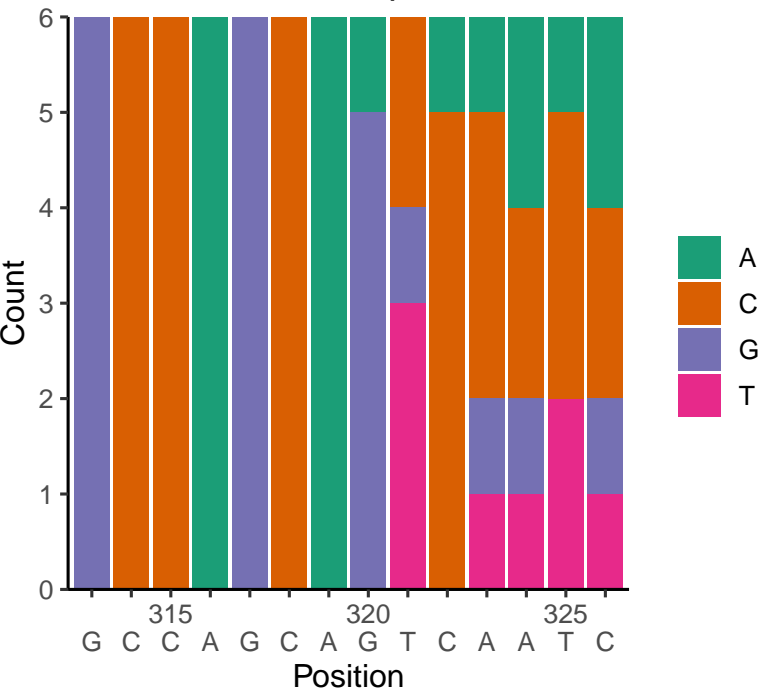
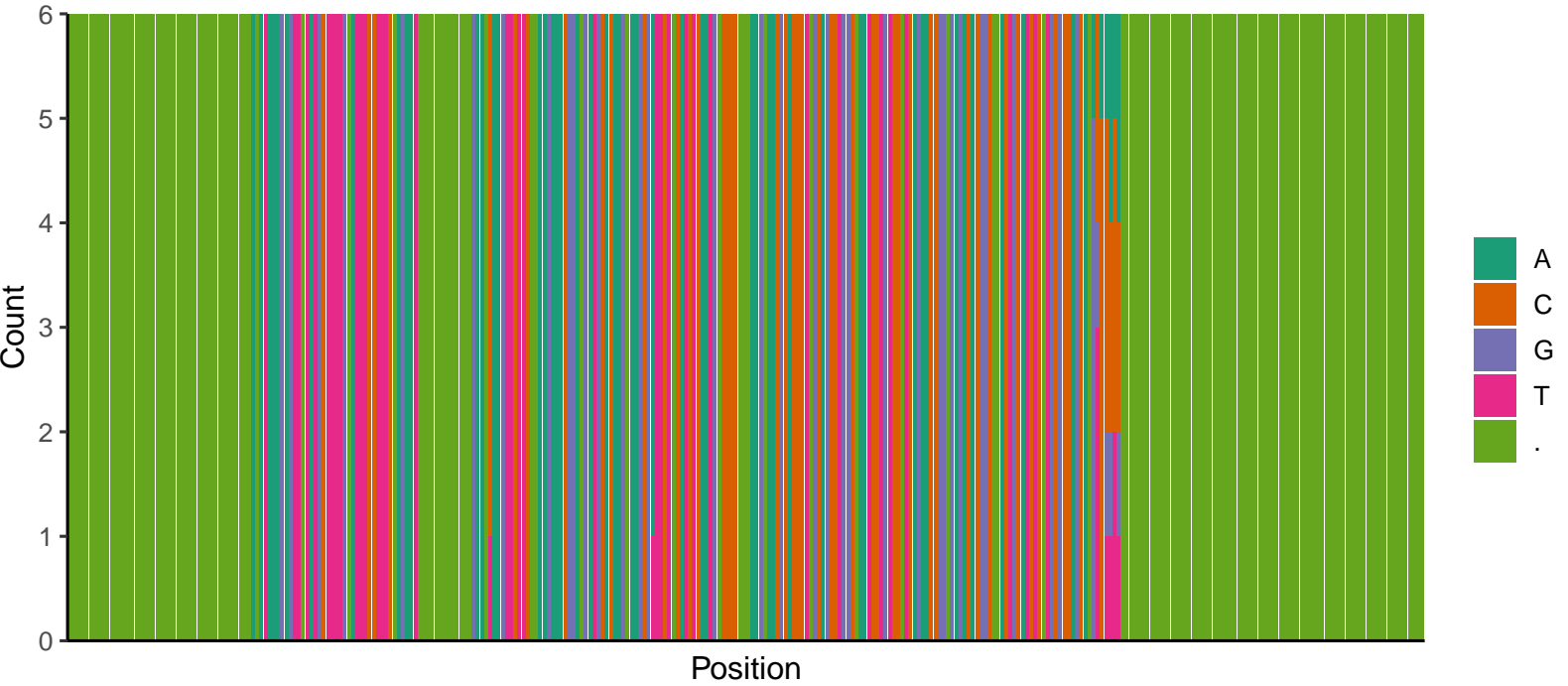


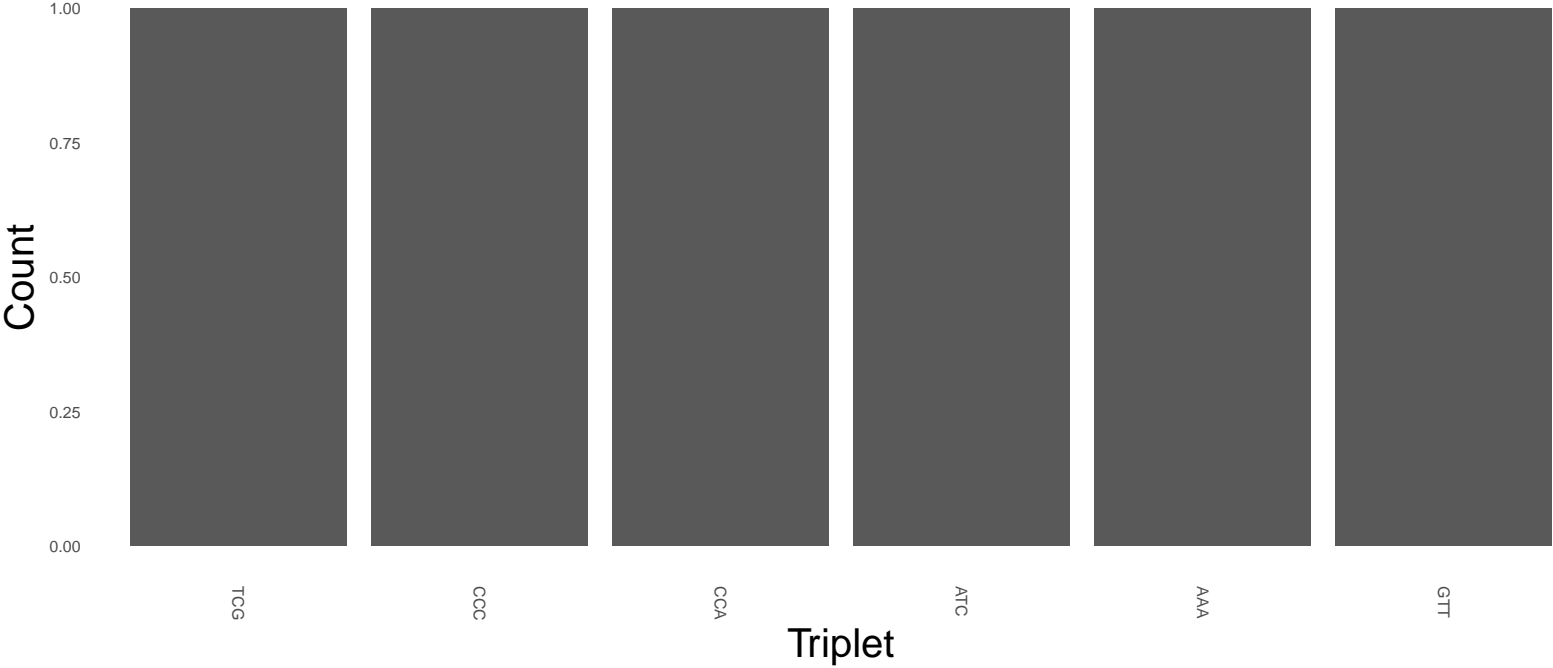
Gene TRBV23-1*bp01_T304C



Gene TRBV23-1*bp01_T304C

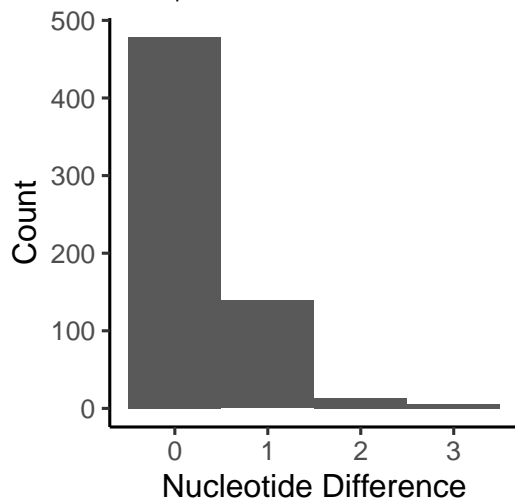


TRBV23-1*bp01_T304C- Final 3 nucleotides as a triplet



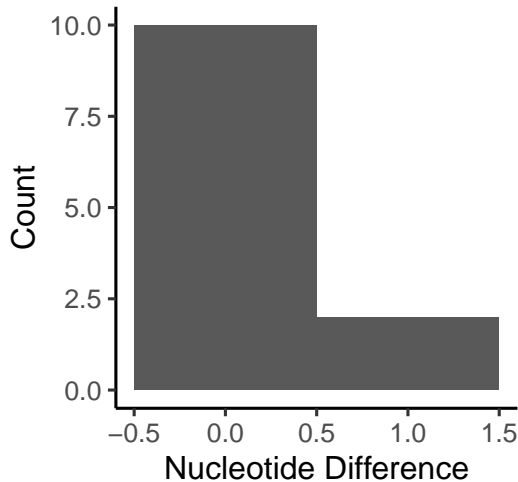
TRBV20–1*bp01

637 sequences assigned
479 (75.2%) exact matches, in which:
255 unique CDR3
14 unique J



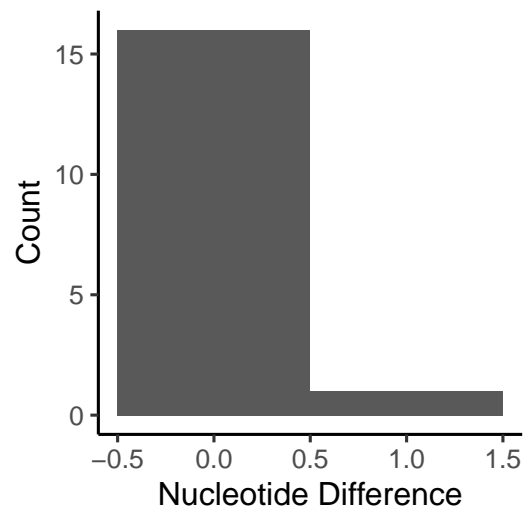
TRBV10–2*bp02

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



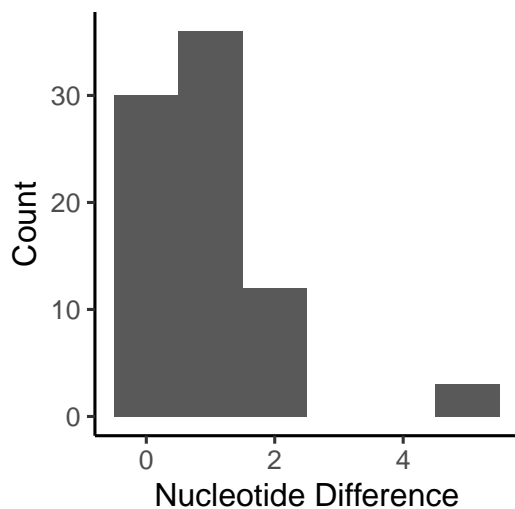
TRBV14*bp01

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



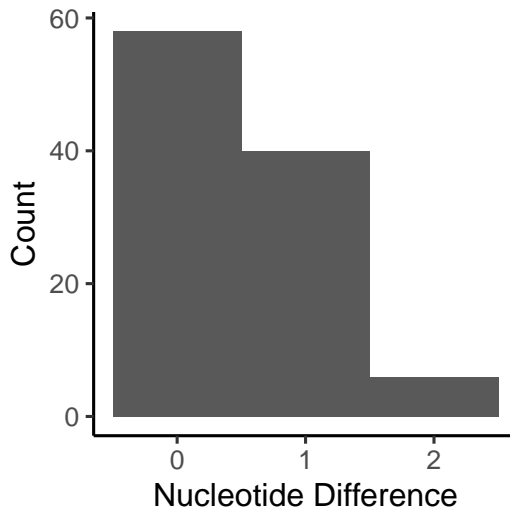
TRBV10–1*bp02

81 sequences assigned
30 (37%) exact matches, in which:
22 unique CDR3
8 unique J



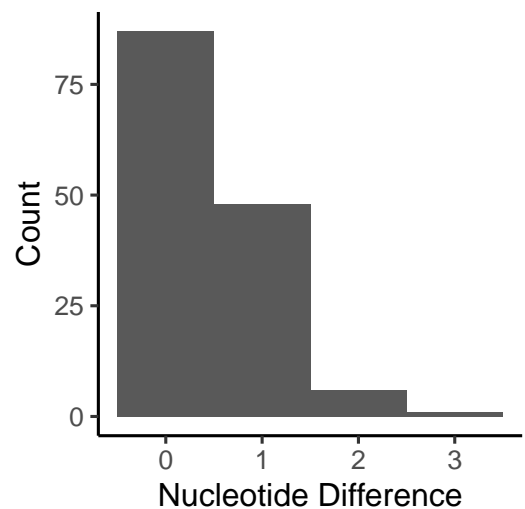
TRBV10–3*bp01

104 sequences assigned
58 (55.8%) exact matches, in which:
42 unique CDR3
7 unique J



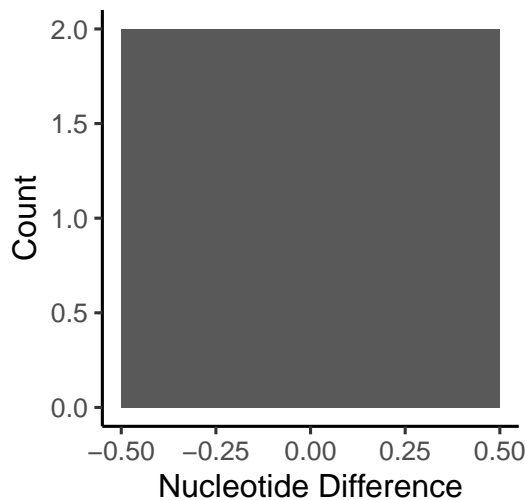
TRBV15*bp02

142 sequences assigned
87 (61.3%) exact matches, in which:
59 unique CDR3
11 unique J



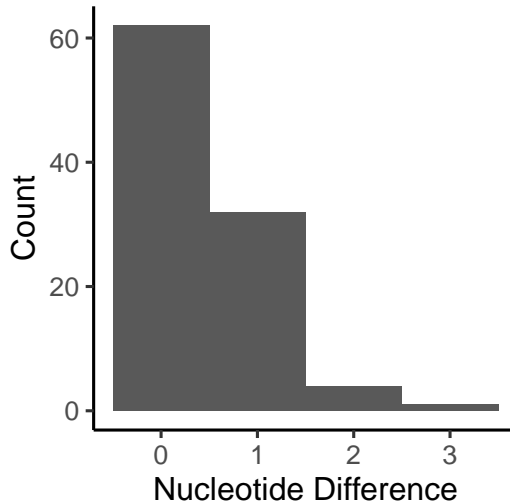
TRBV10–2*bp01

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



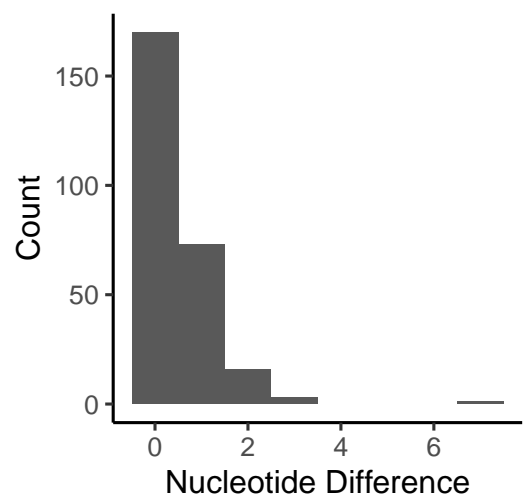
TRBV13*bp01

99 sequences assigned
62 (62.6%) exact matches, in which:
51 unique CDR3
10 unique J



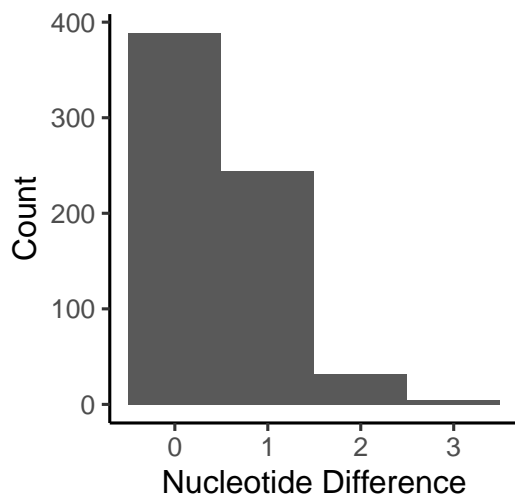
TRBV18*bp01

263 sequences assigned
170 (64.6%) exact matches, in which:
105 unique CDR3
14 unique J



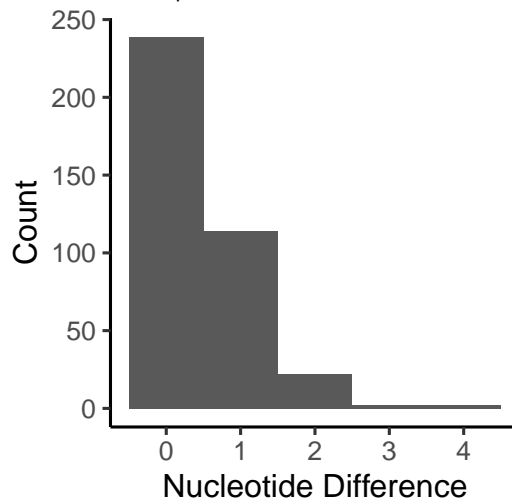
TRBV19*bp01

670 sequences assigned
389 (58.1%) exact matches, in which:
259 unique CDR3
14 unique J



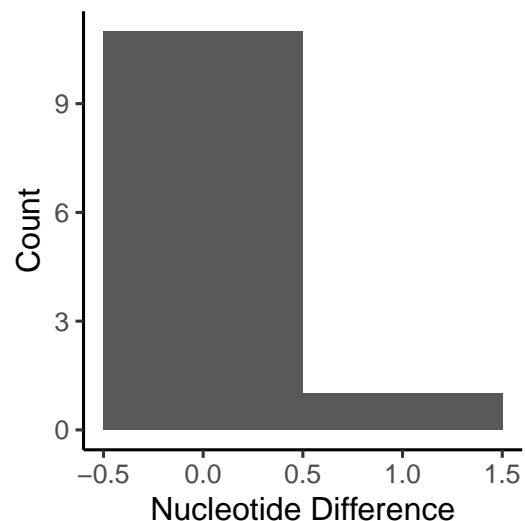
TRBV28*bp01

379 sequences assigned
239 (63.1%) exact matches, in which:
196 unique CDR3
14 unique J



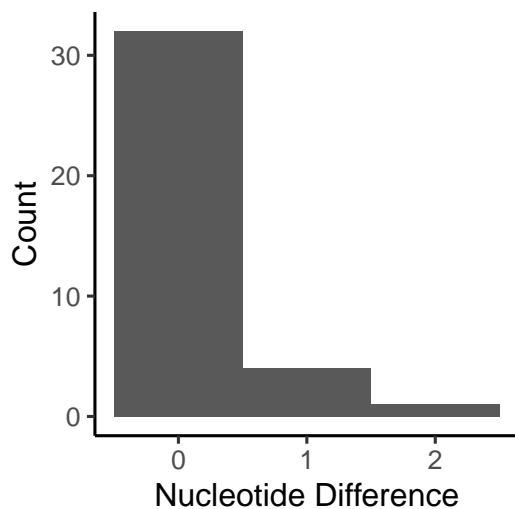
TRBV9*bp02

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
7 unique J



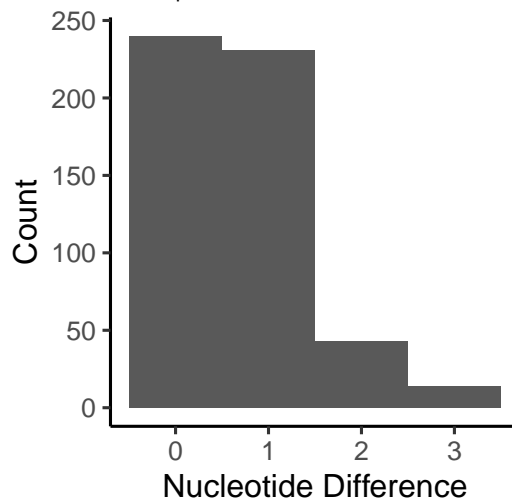
TRBV2*bp01

37 sequences assigned
32 (86.5%) exact matches, in which:
30 unique CDR3
11 unique J



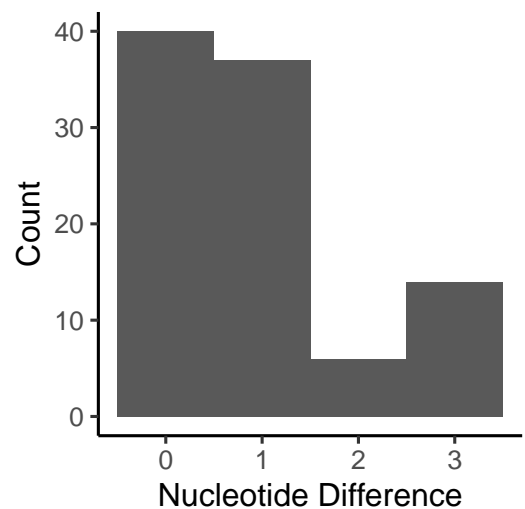
TRBV30*bp01

528 sequences assigned
240 (45.5%) exact matches, in which:
147 unique CDR3
12 unique J



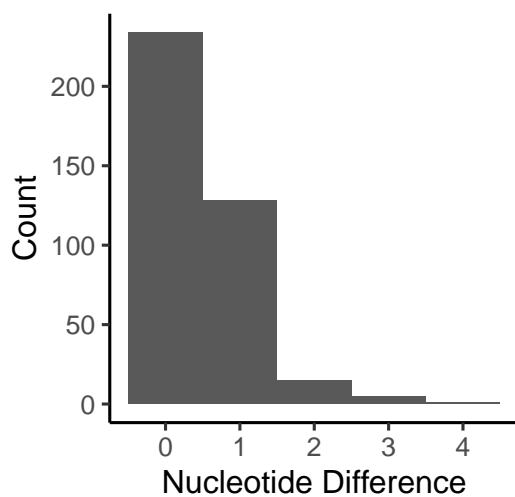
TRBV11-1*bp01

97 sequences assigned
40 (41.2%) exact matches, in which:
28 unique CDR3
12 unique J



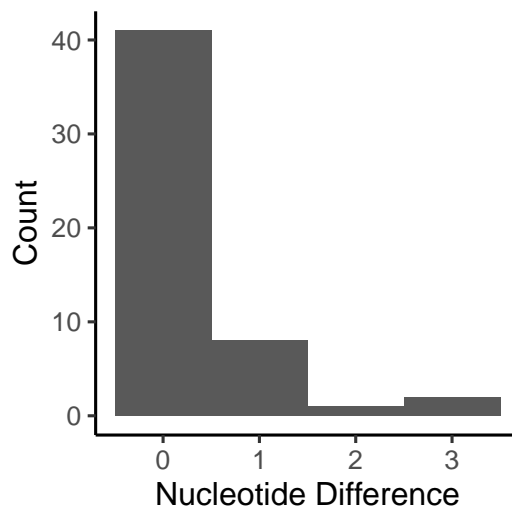
TRBV27*bp01

383 sequences assigned
234 (61.1%) exact matches, in which:
185 unique CDR3
14 unique J



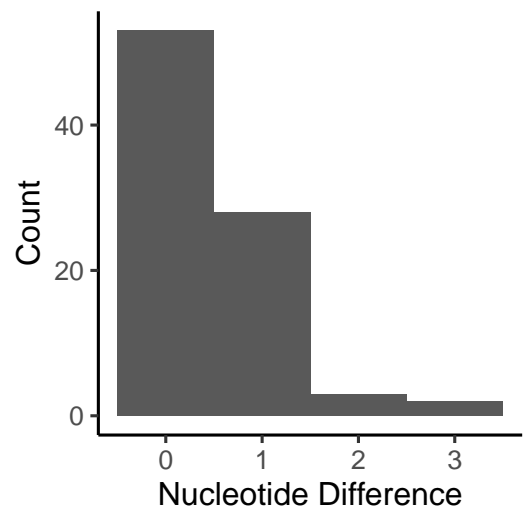
TRBV9*bp01

52 sequences assigned
41 (78.8%) exact matches, in which:
31 unique CDR3
7 unique J



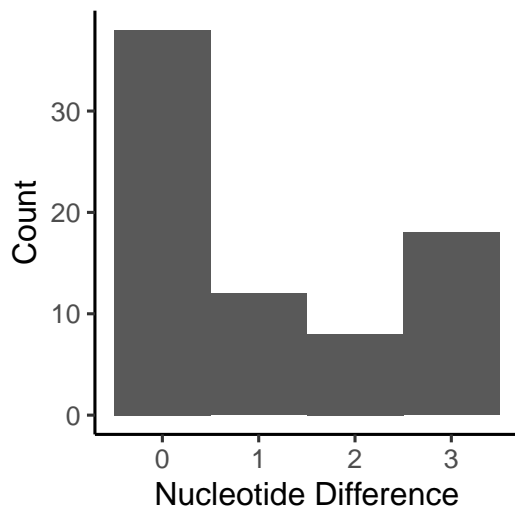
TRBV21-1*bp01

86 sequences assigned
53 (61.6%) exact matches, in which:
42 unique CDR3
11 unique J



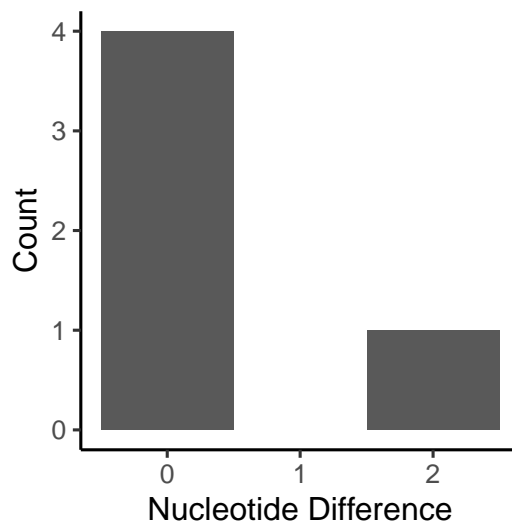
TRBV11–2*bp01

76 sequences assigned
38 (50%) exact matches, in which:
32 unique CDR3
12 unique J



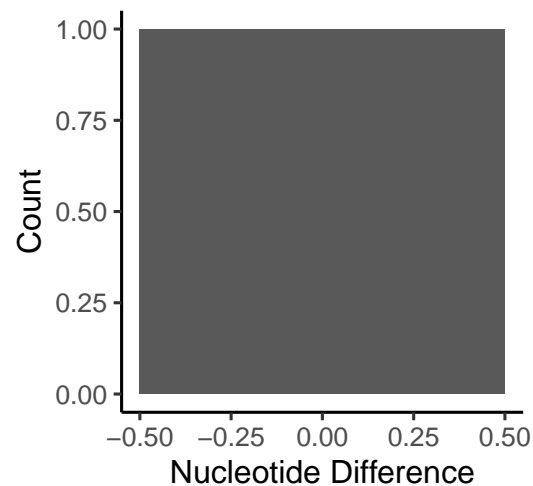
TRBV12–5*bp01

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



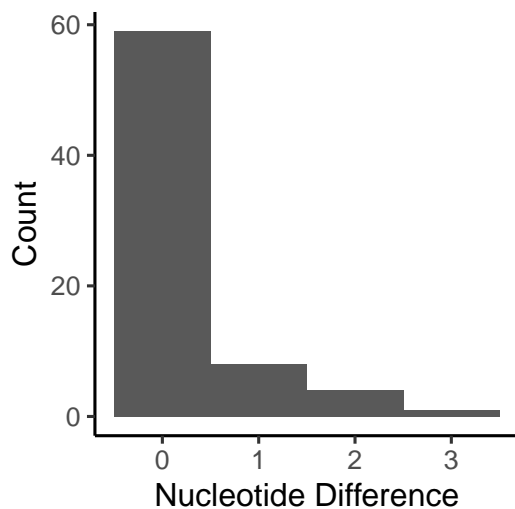
TRBV3–1*bp01

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



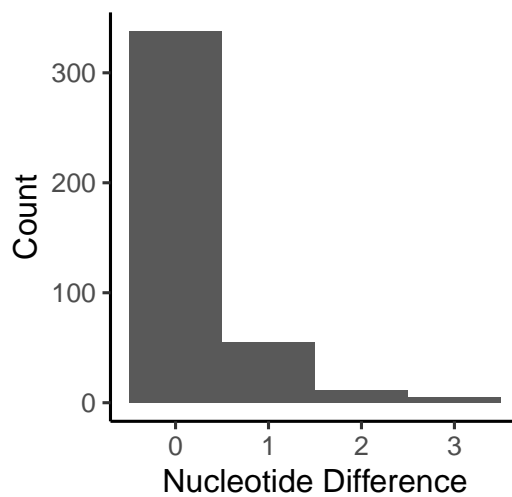
TRBV11–2*bp03

72 sequences assigned
59 (81.9%) exact matches, in which:
46 unique CDR3
11 unique J



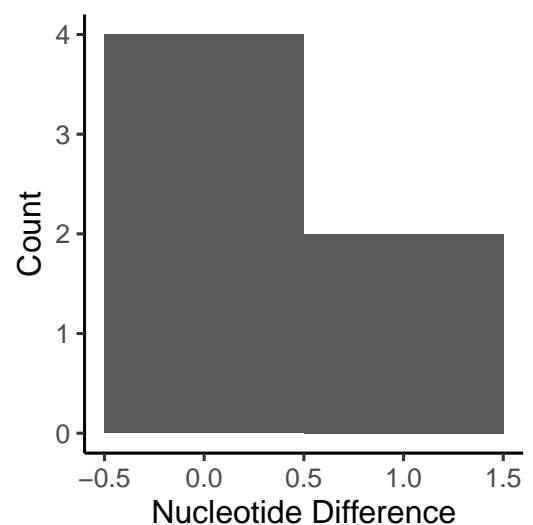
TRBV12–34*bp01

409 sequences assigned
338 (82.6%) exact matches, in which:
193 unique CDR3
14 unique J



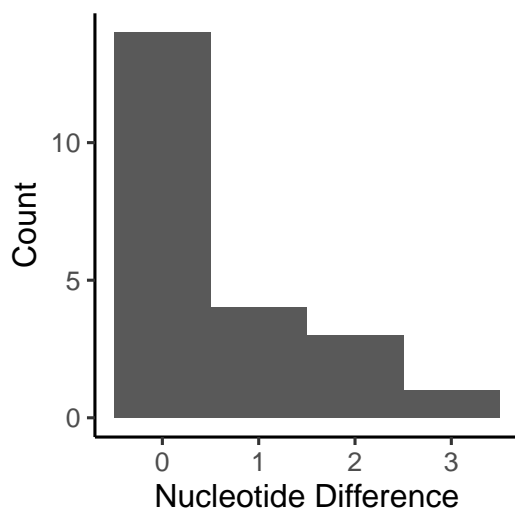
TRBV23–1*bp01_T304C

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
4 unique J



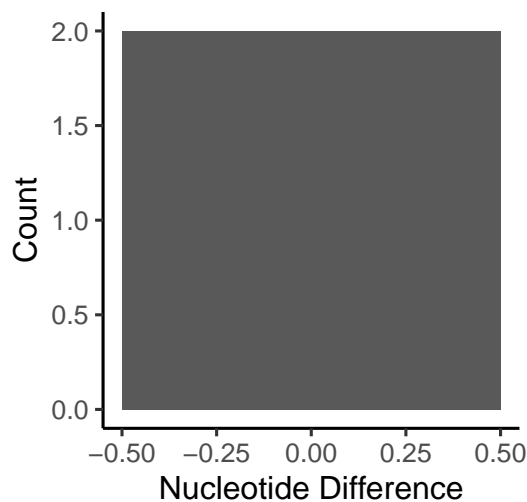
TRBV11–3*bp01

22 sequences assigned
14 (63.6%) exact matches, in which:
14 unique CDR3
7 unique J



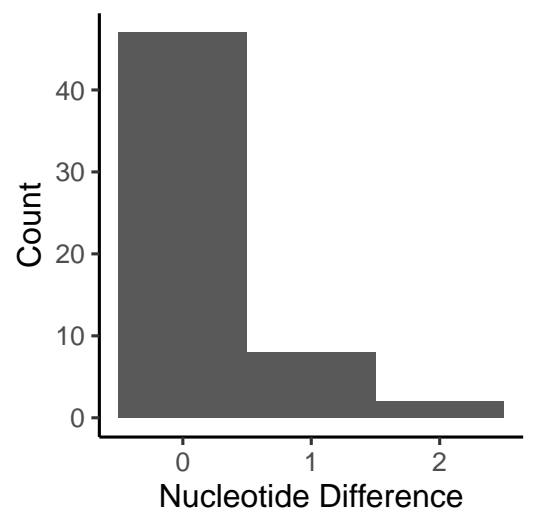
TRBV23–1*bp01

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



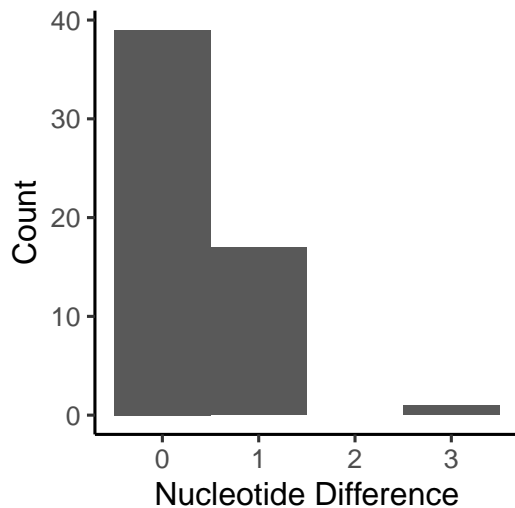
TRBV4–1*bp01

57 sequences assigned
47 (82.5%) exact matches, in which:
45 unique CDR3
10 unique J



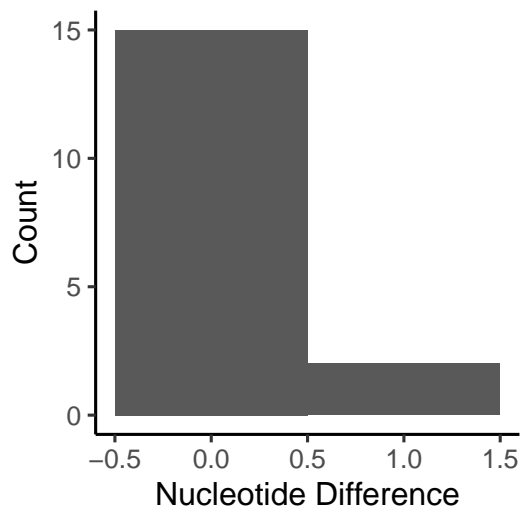
TRBV24–1*bp01

57 sequences assigned
39 (68.4%) exact matches, in which:
33 unique CDR3
11 unique J



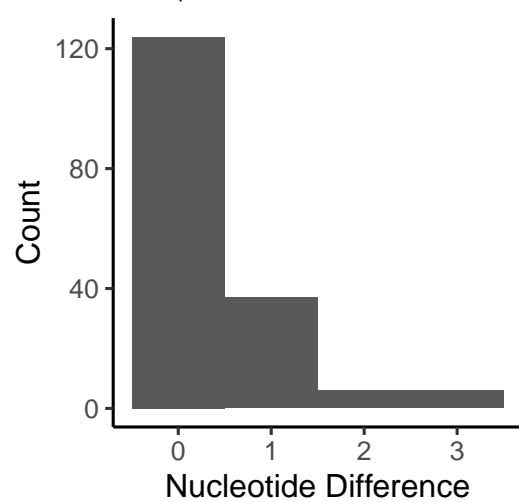
TRBV25–1*bp01

17 sequences assigned
15 (88.2%) exact matches, in which:
12 unique CDR3
7 unique J



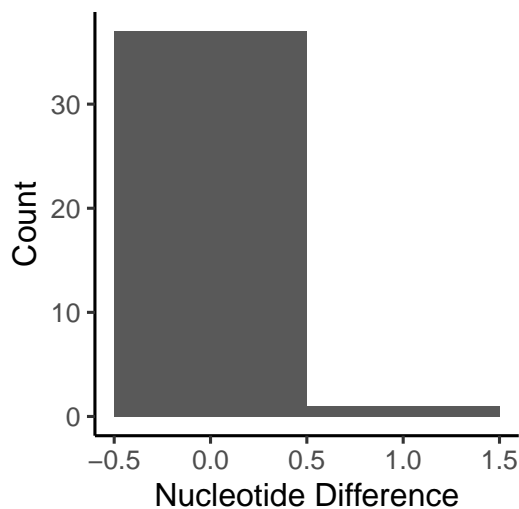
TRBV5–4*bp01

173 sequences assigned
124 (71.7%) exact matches, in which:
95 unique CDR3
12 unique J



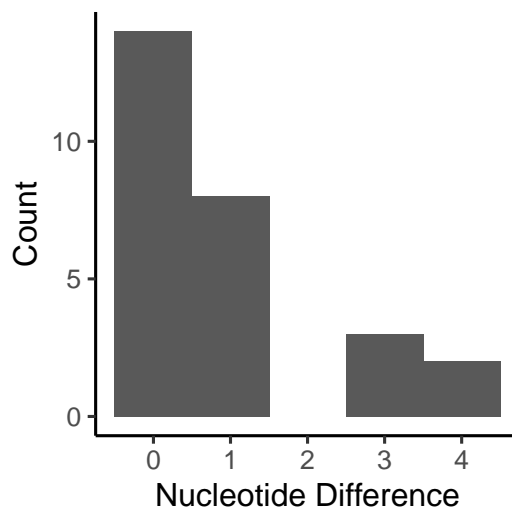
TRBV4–2*bp01

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



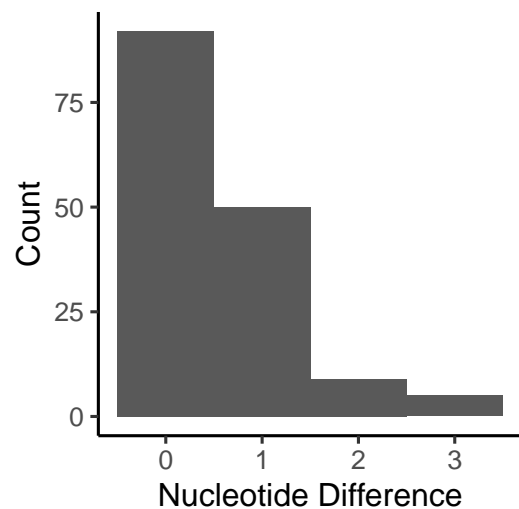
TRBV5–3*bp01

27 sequences assigned
14 (51.9%) exact matches, in which:
7 unique CDR3
5 unique J



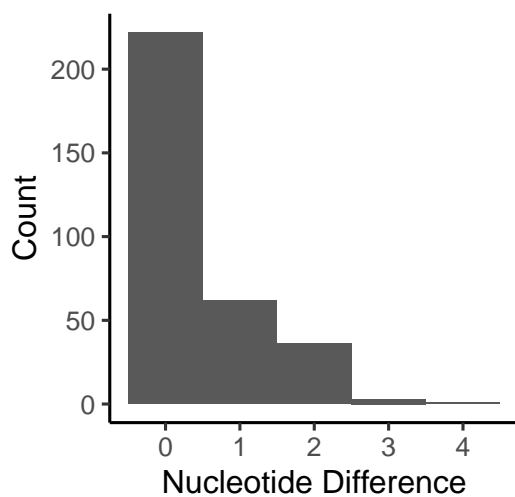
TRBV5–5*bp01

156 sequences assigned
92 (59%) exact matches, in which:
60 unique CDR3
13 unique J



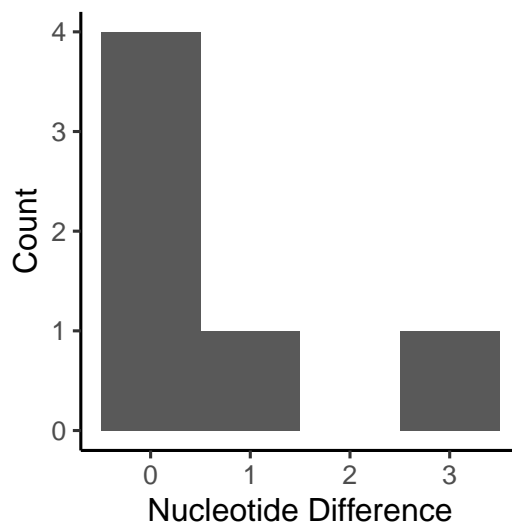
TRBV5–1*bp01

324 sequences assigned
222 (68.5%) exact matches, in which:
171 unique CDR3
13 unique J



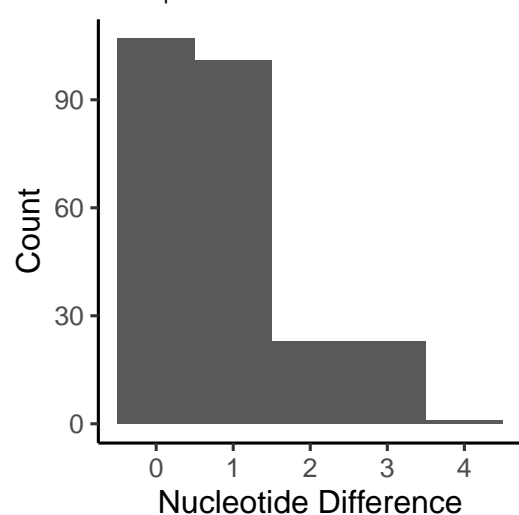
TRBV5–3*bp02

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
2 unique J



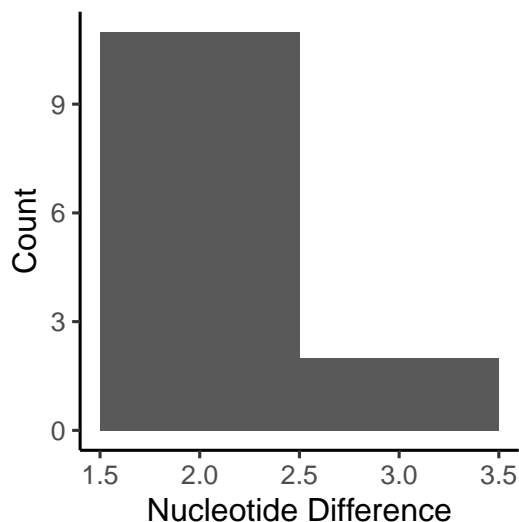
TRBV5–6*bp01

255 sequences assigned
107 (42%) exact matches, in which:
78 unique CDR3
13 unique J



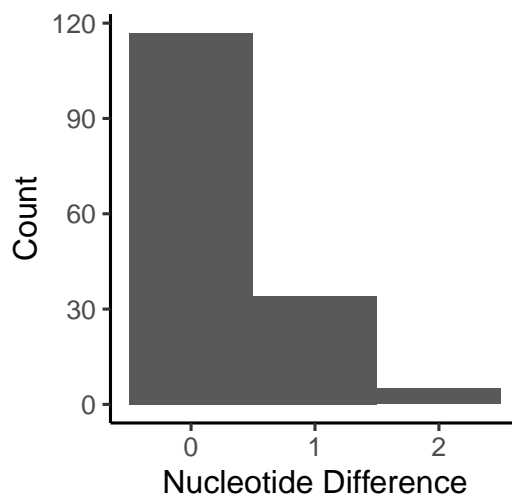
TRBV5-7*bp01

13 sequences assigned
No exact matches.



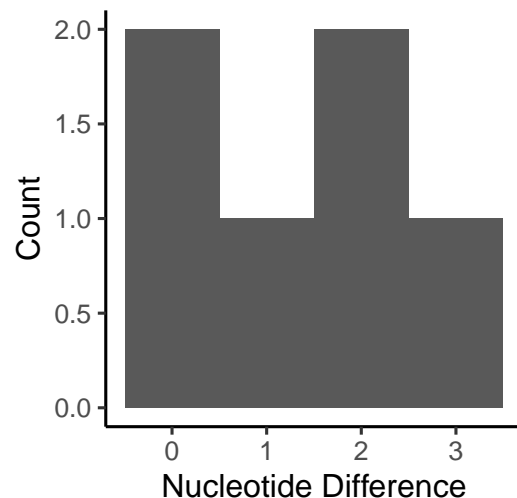
TRBV6-4*bp01

156 sequences assigned
117 (75%) exact matches, in which:
92 unique CDR3
13 unique J



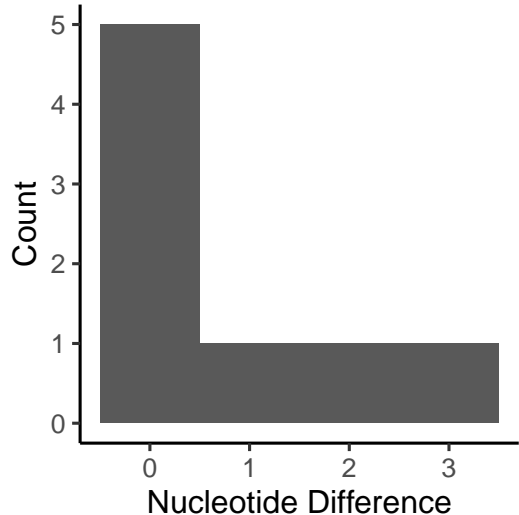
TRBV6-7*bp01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



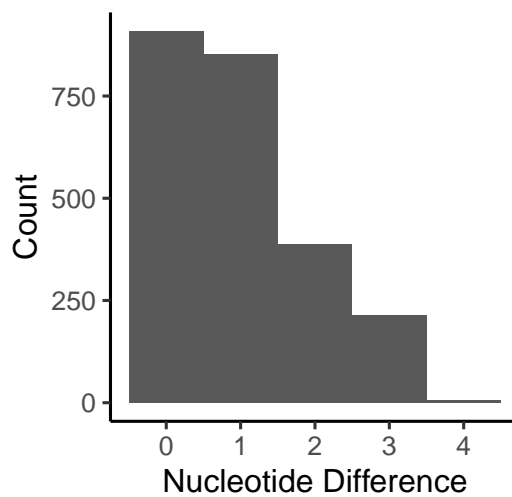
TRBV5-8*bp01

8 sequences assigned
5 (62.5%) exact matches, in which:
4 unique CDR3
3 unique J



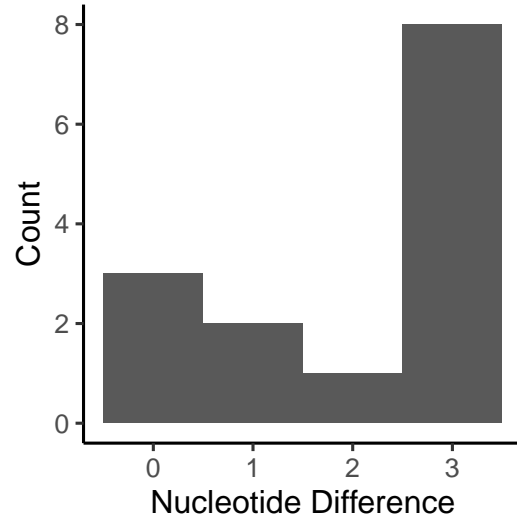
TRBV6-5*bp01

2368 sequences assigned
909 (38.4%) exact matches, in which:
645 unique CDR3
14 unique J



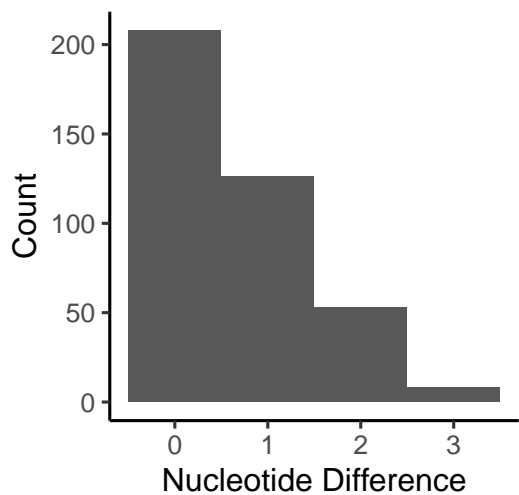
TRBV6-8*bp01

14 sequences assigned
3 (21.4%) exact matches, in which:
2 unique CDR3
1 unique J



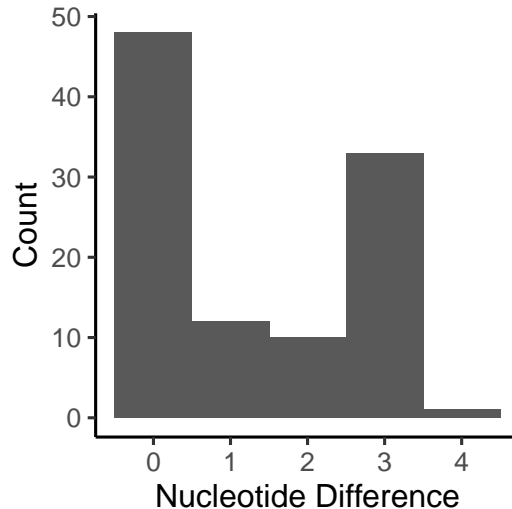
TRBV6-1*bp01

395 sequences assigned
208 (52.7%) exact matches, in which:
164 unique CDR3
13 unique J



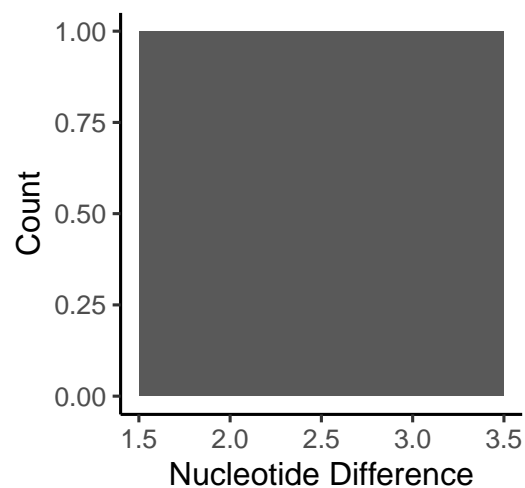
TRBV6-6*bp02

104 sequences assigned
48 (46.2%) exact matches, in which:
38 unique CDR3
12 unique J



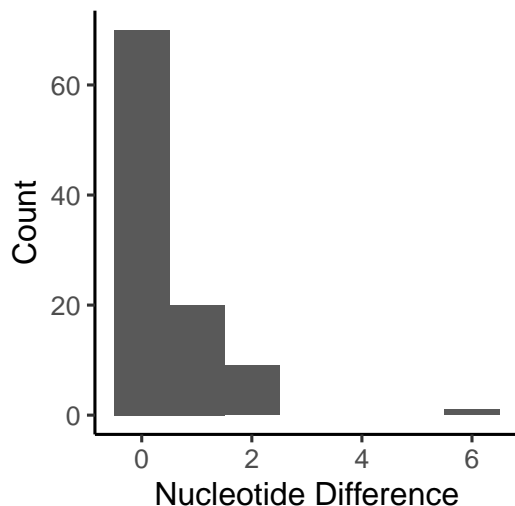
TRBV6-9*bp01

2 sequences assigned
No exact matches.



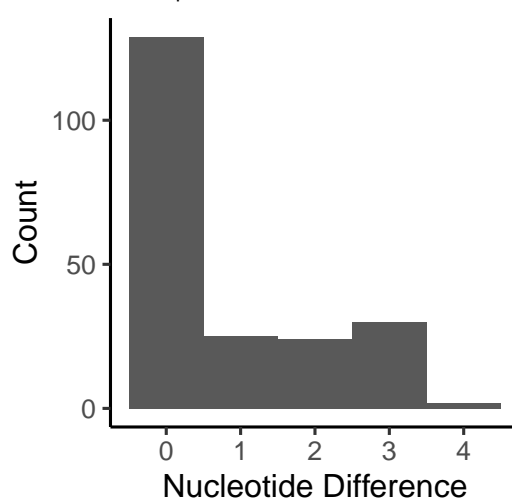
TRBV6-23*bp01

100 sequences assigned
70 (70%) exact matches, in which:
60 unique CDR3
10 unique J



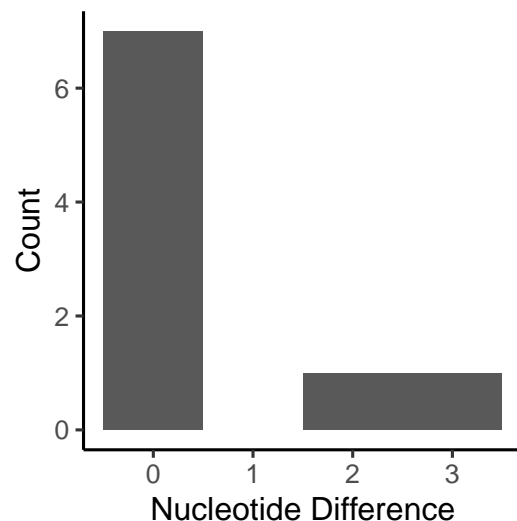
TRBV7-3*bp01

210 sequences assigned
129 (61.4%) exact matches, in which:
88 unique CDR3
12 unique J



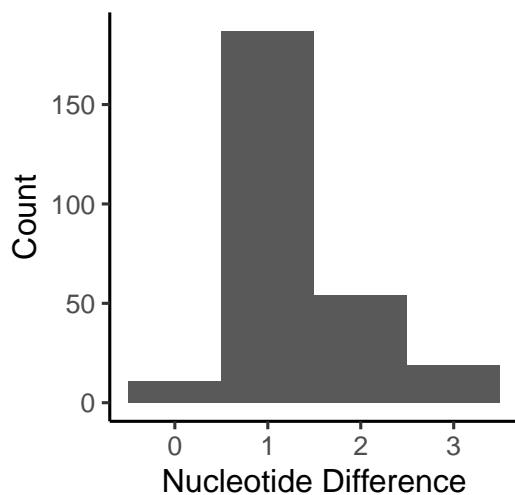
TRBV7-7*bp01

9 sequences assigned
7 (77.8%) exact matches, in which:
6 unique CDR3
3 unique J



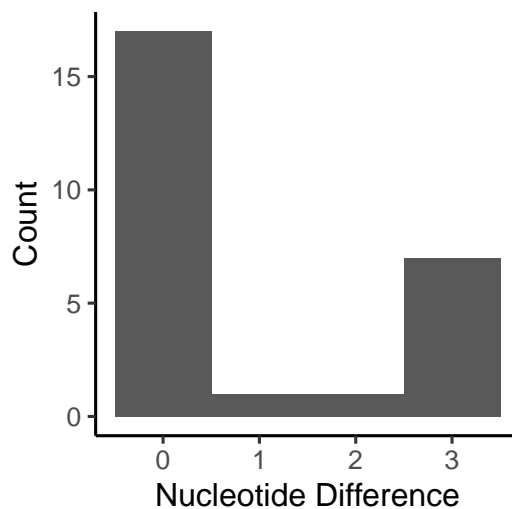
TRBV7-2*bp01

271 sequences assigned
11 (4.1%) exact matches, in which:
10 unique CDR3
6 unique J



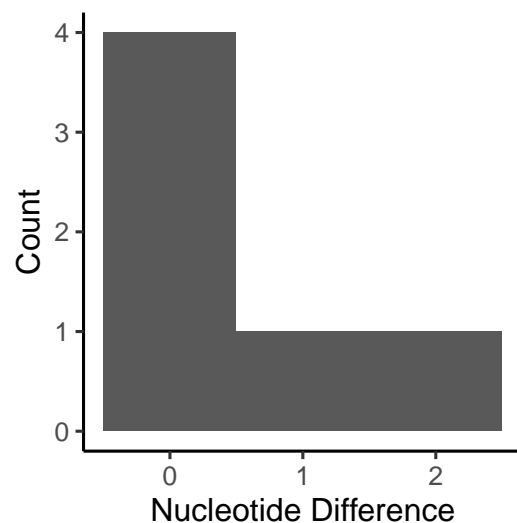
TRBV7-4*bp01

26 sequences assigned
17 (65.4%) exact matches, in which:
10 unique CDR3
7 unique J



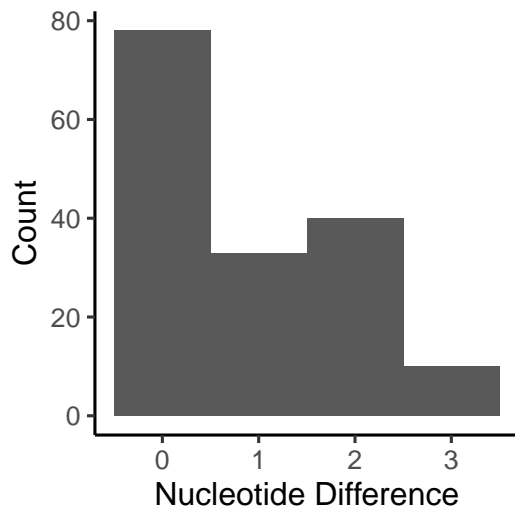
TRBV7-8*bp01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



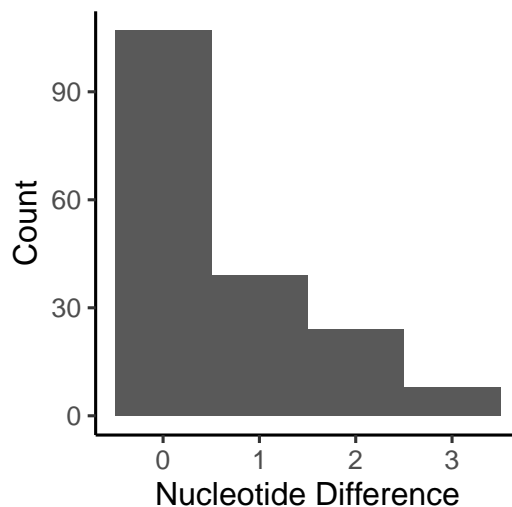
TRBV7-2*bp02

161 sequences assigned
78 (48.4%) exact matches, in which:
45 unique CDR3
12 unique J



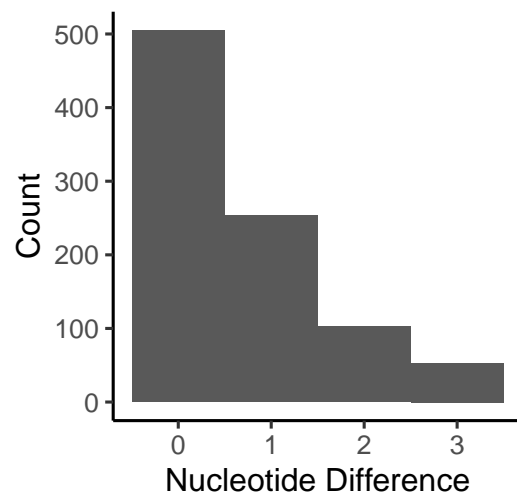
TRBV7-6*bp01

178 sequences assigned
107 (60.1%) exact matches, in which:
63 unique CDR3
11 unique J



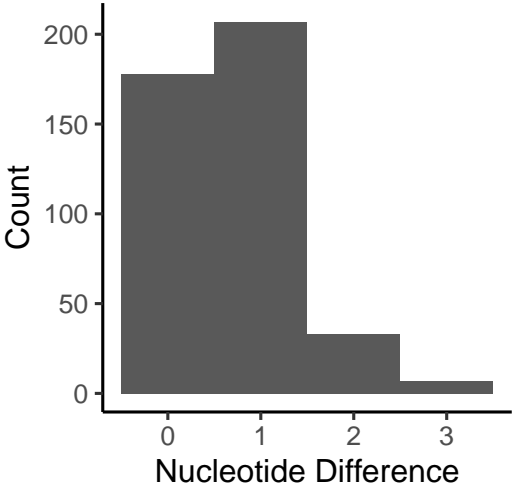
TRBV7-9*bp01

913 sequences assigned
505 (55.3%) exact matches, in which:
286 unique CDR3
14 unique J



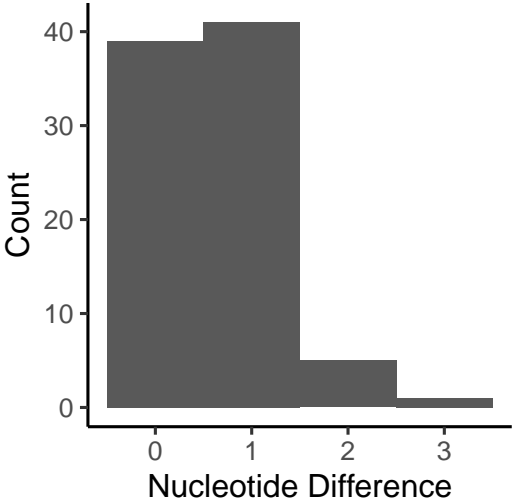
TRBV29-1*bp01

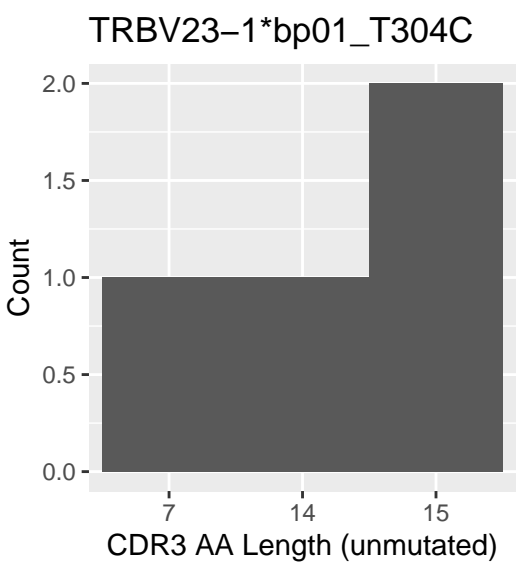
425 sequences assigned
178 (41.9%) exact matches, in which:
134 unique CDR3
11 unique J



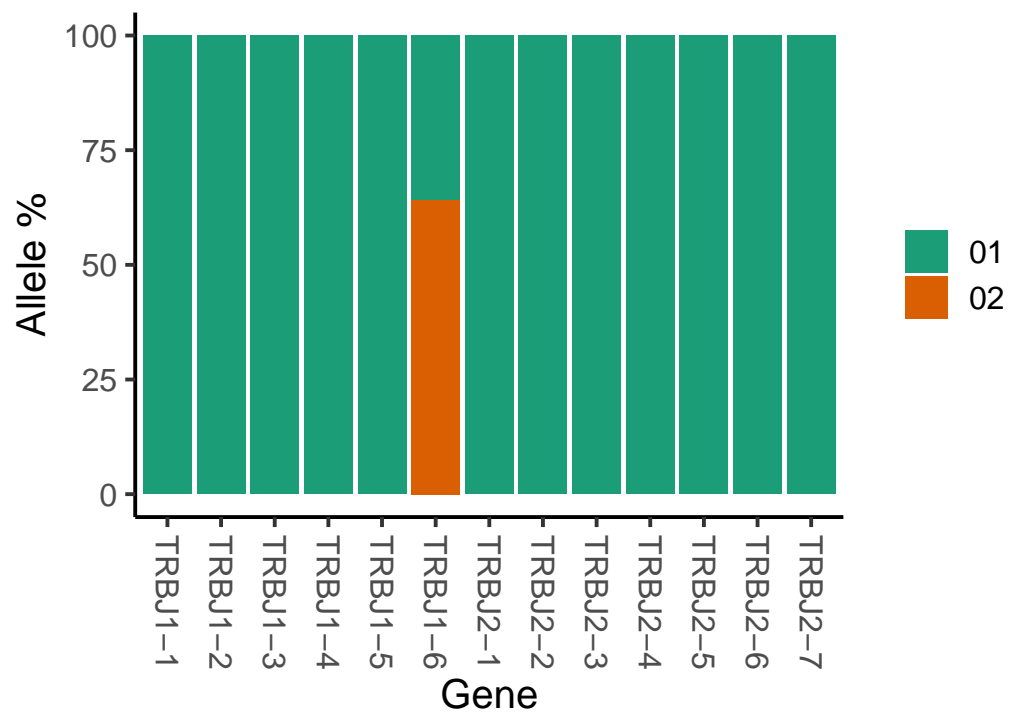
TRBV29-1*bp03

86 sequences assigned
39 (45.3%) exact matches, in which:
26 unique CDR3
9 unique J

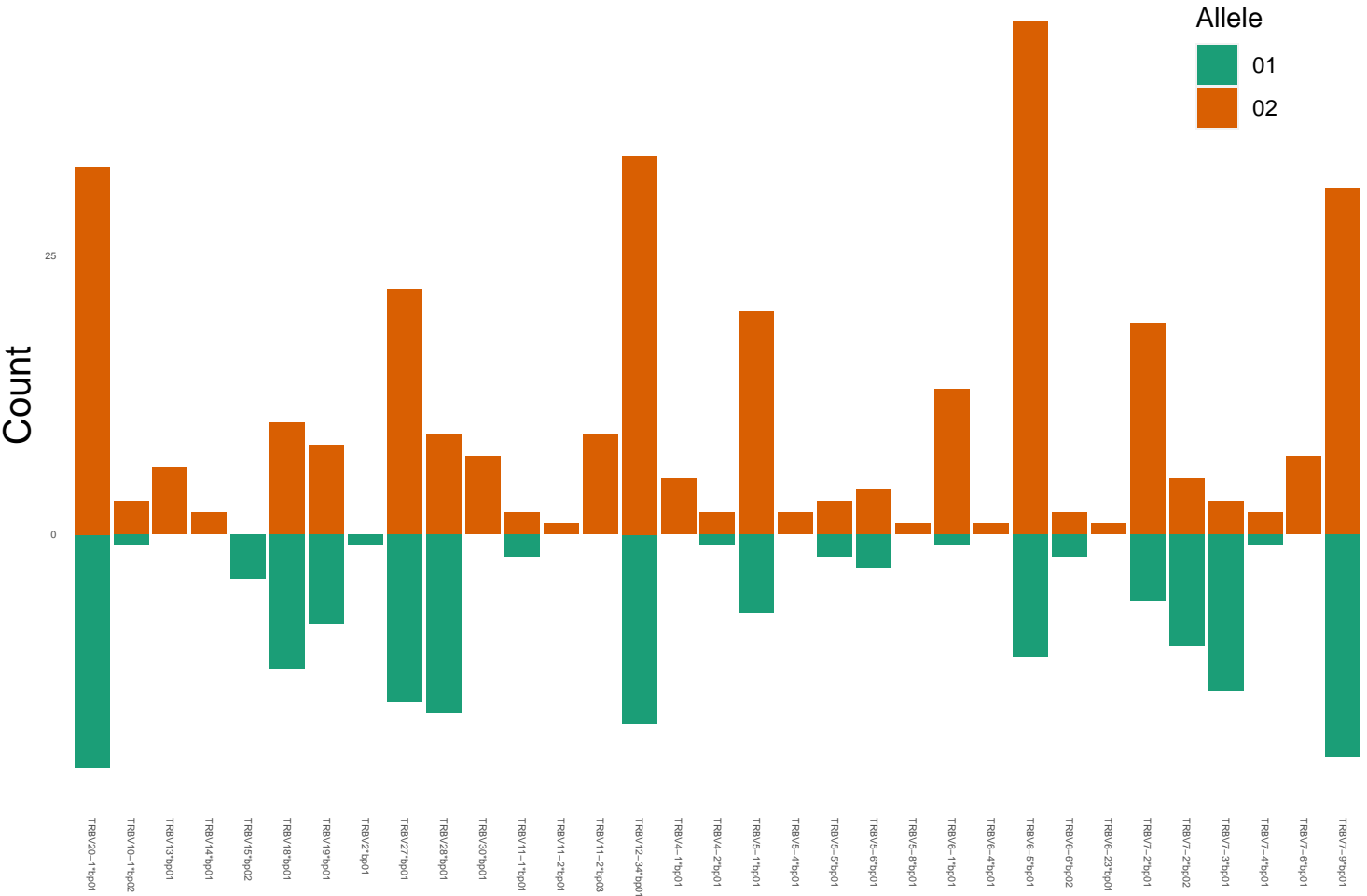




Allele Usage



Sequence Count by TRBJ1–6 allele usage



[illegible]