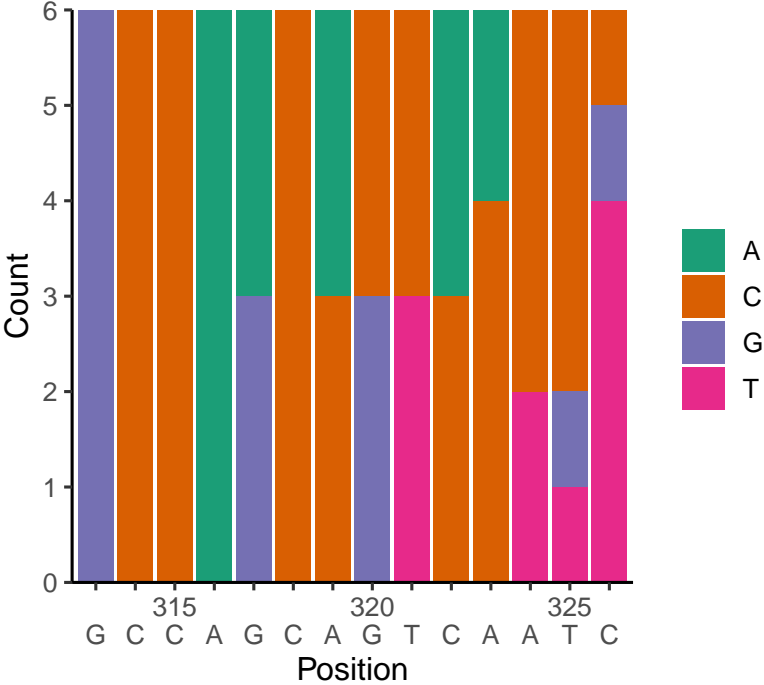
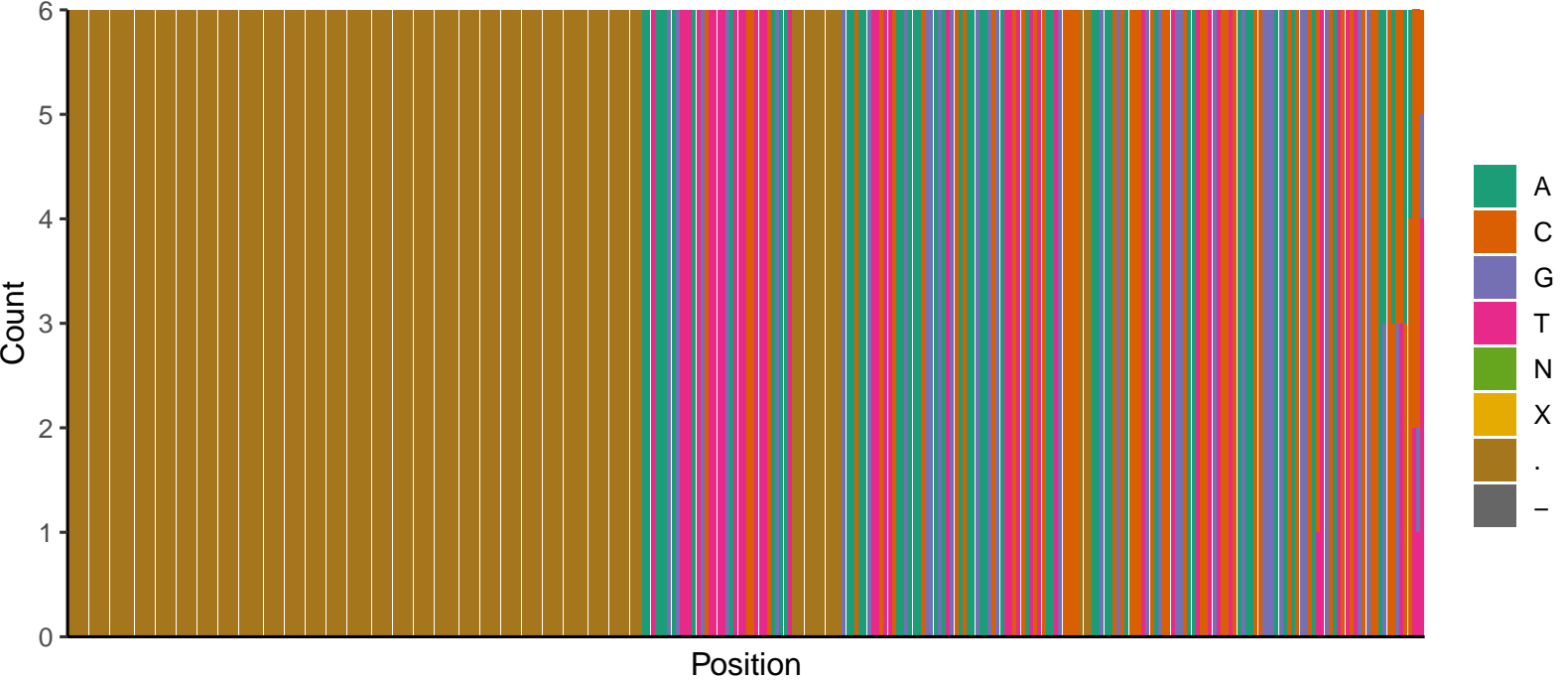


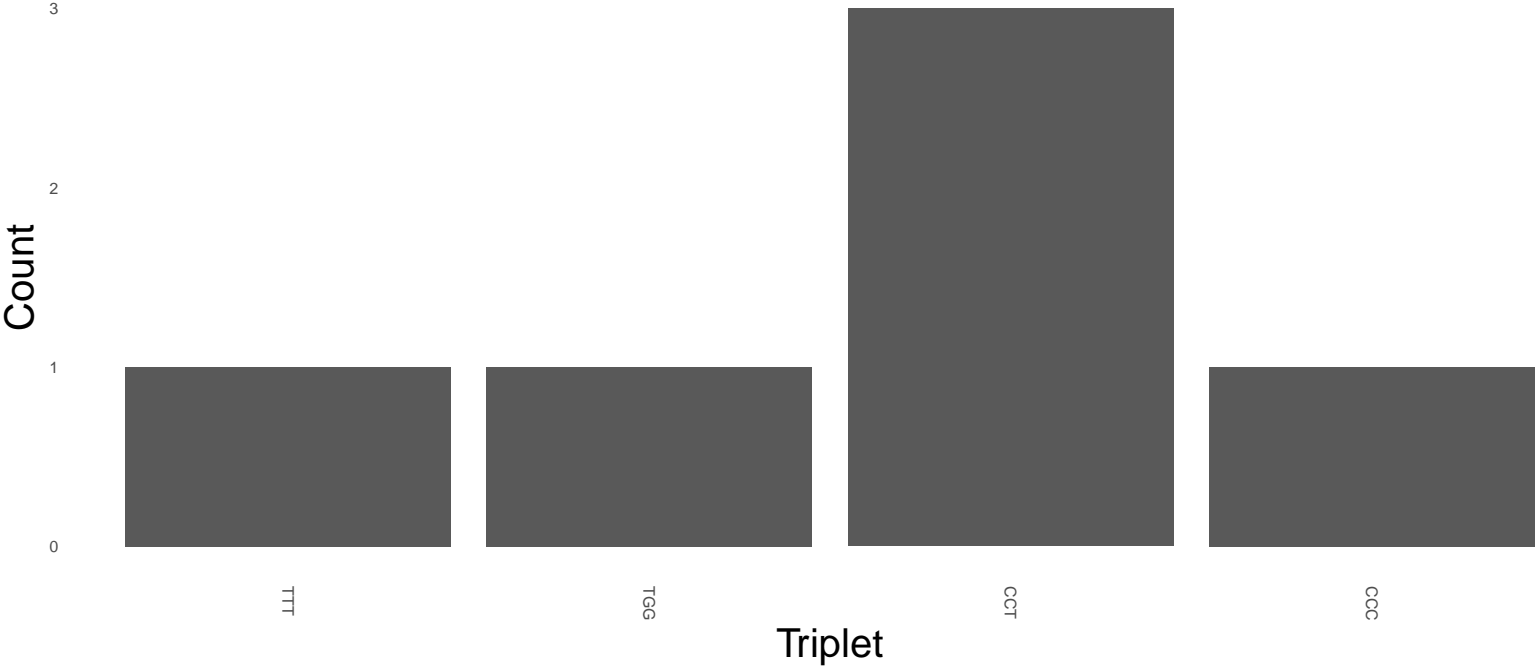
Gene TRBV23-1*bp01_T304C



Gene TRBV23-1*bp01_T304C

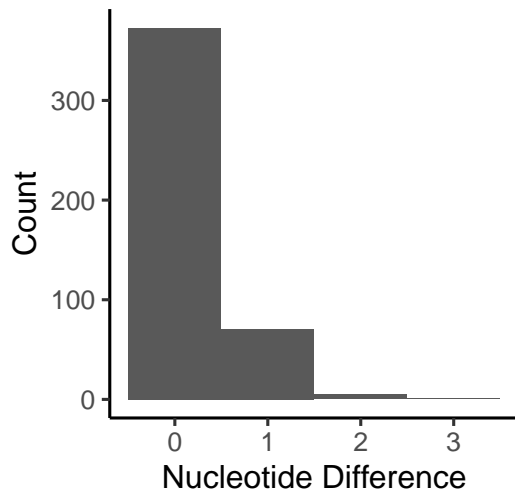


TRBV23-1*bp01_T304C- Final 3 nucleotides as a triplet



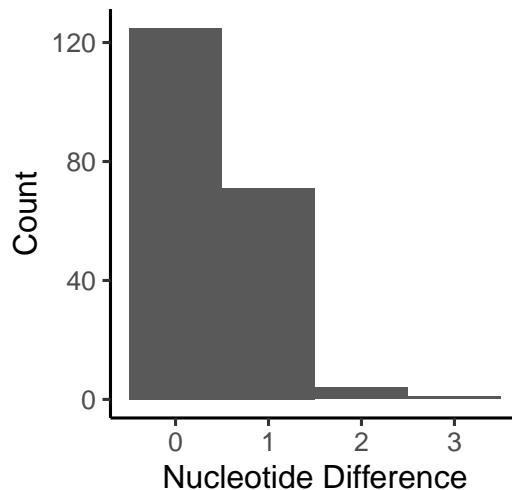
TRBV20–1*bp01

450 sequences assigned
373 (82.9%) exact matches, in which:
191 unique CDR3
13 unique J



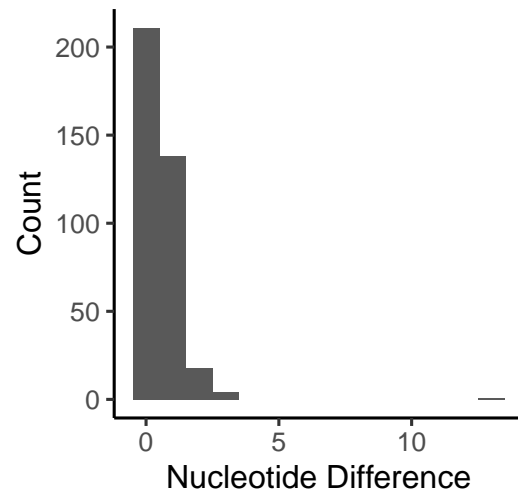
TRBV10–3*bp01

201 sequences assigned
125 (62.2%) exact matches, in which:
83 unique CDR3
14 unique J



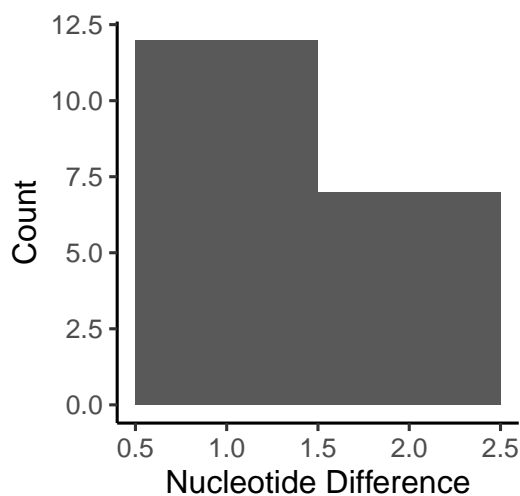
TRBV15*bp02

372 sequences assigned
211 (56.7%) exact matches, in which:
102 unique CDR3
12 unique J



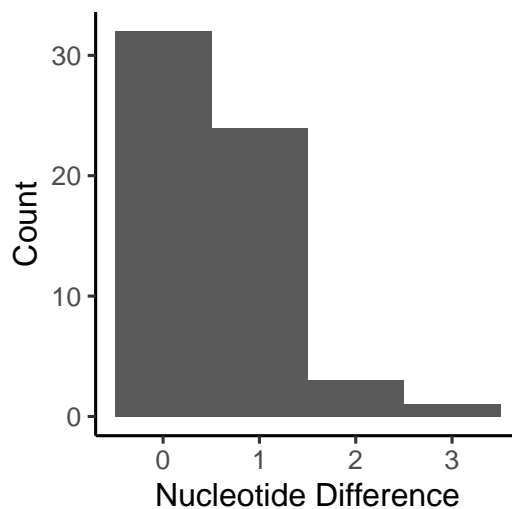
TRBV10–1*bp02

19 sequences assigned
No exact matches.



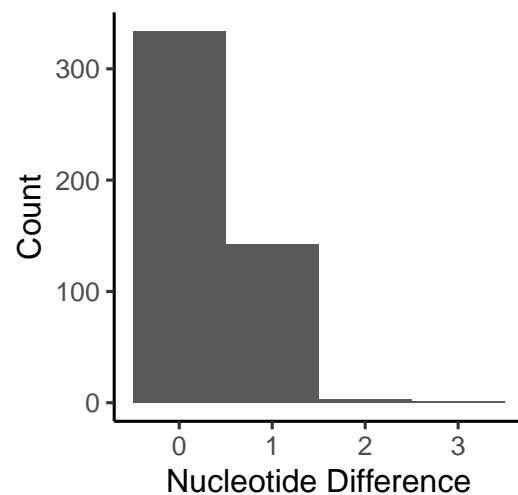
TRBV13*bp01

60 sequences assigned
32 (53.3%) exact matches, in which:
30 unique CDR3
8 unique J



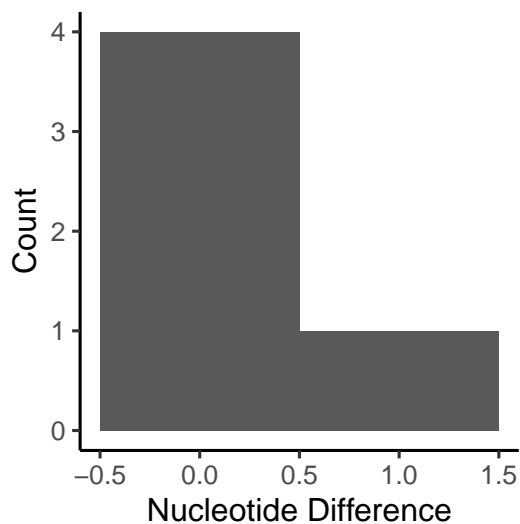
TRBV18*bp01

480 sequences assigned
334 (69.6%) exact matches, in which:
145 unique CDR3
12 unique J



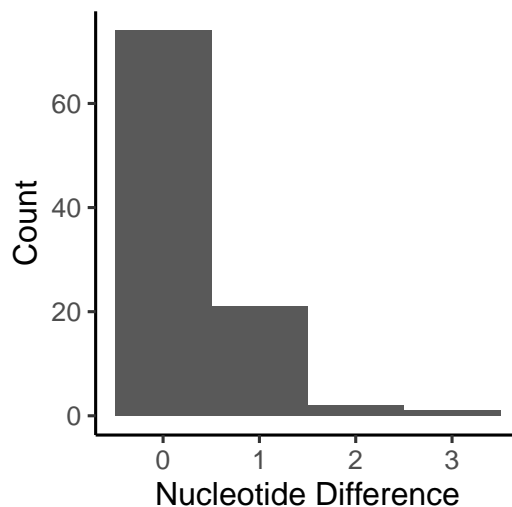
TRBV10–2*bp01

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



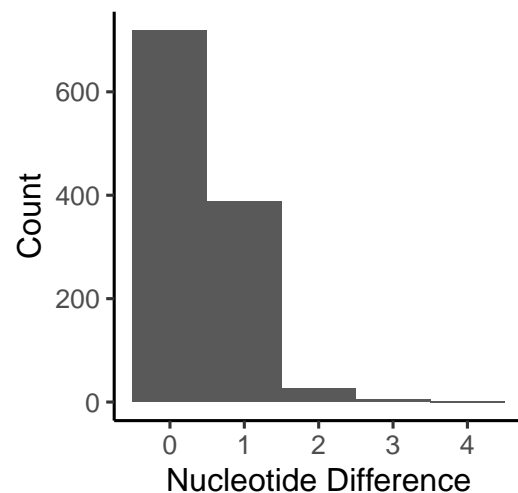
TRBV14*bp01

98 sequences assigned
74 (75.5%) exact matches, in which:
53 unique CDR3
11 unique J



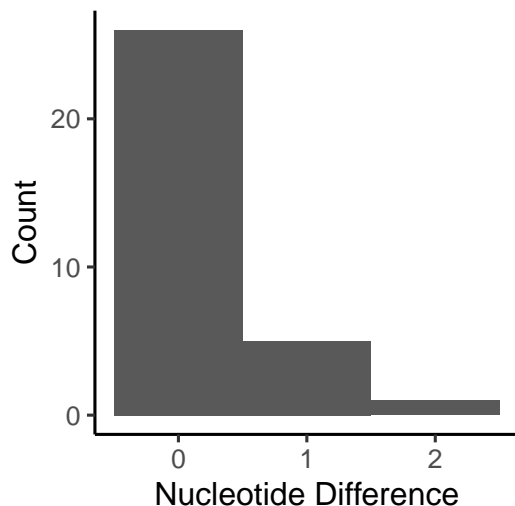
TRBV19*bp01

1140 sequences assigned
719 (63.1%) exact matches, in which:
385 unique CDR3
14 unique J



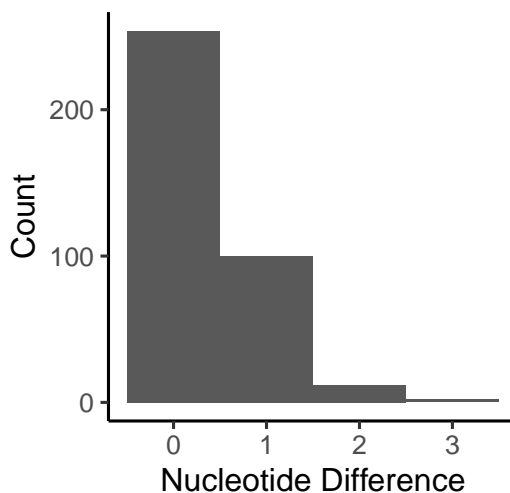
TRBV2*bp01

32 sequences assigned
26 (81.2%) exact matches, in which:
25 unique CDR3
10 unique J



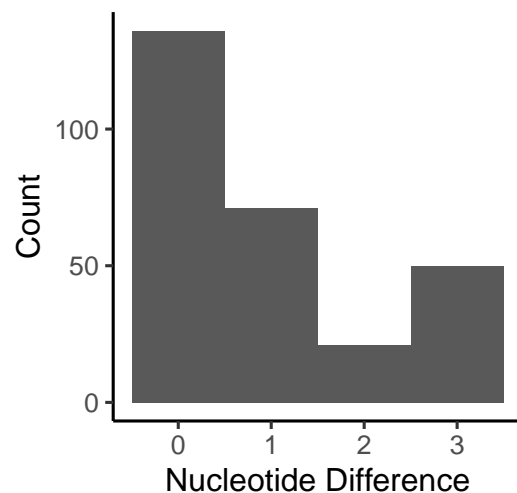
TRBV30*bp01

368 sequences assigned
254 (69%) exact matches, in which:
105 unique CDR3
13 unique J



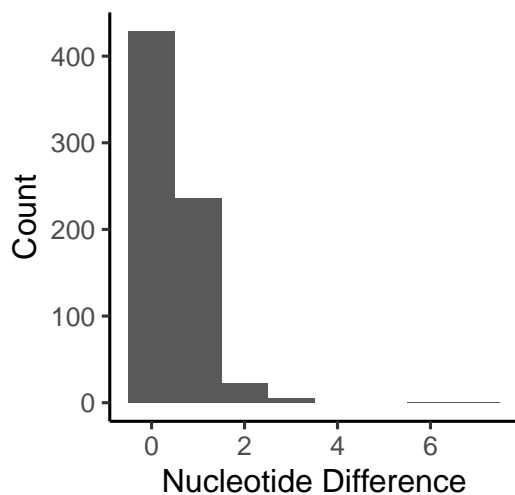
TRBV11-1*bp01

278 sequences assigned
136 (48.9%) exact matches, in which:
95 unique CDR3
12 unique J



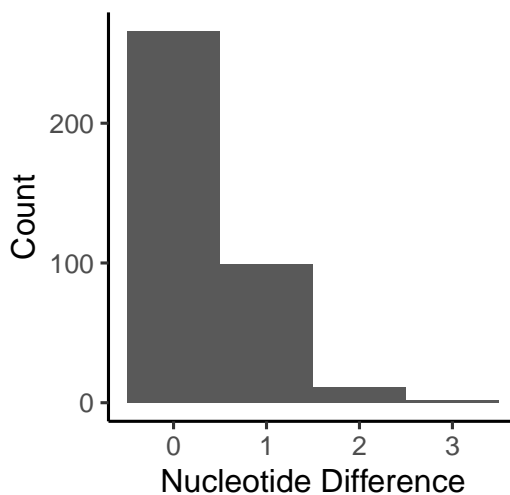
TRBV27*bp01

694 sequences assigned
429 (61.8%) exact matches, in which:
295 unique CDR3
14 unique J



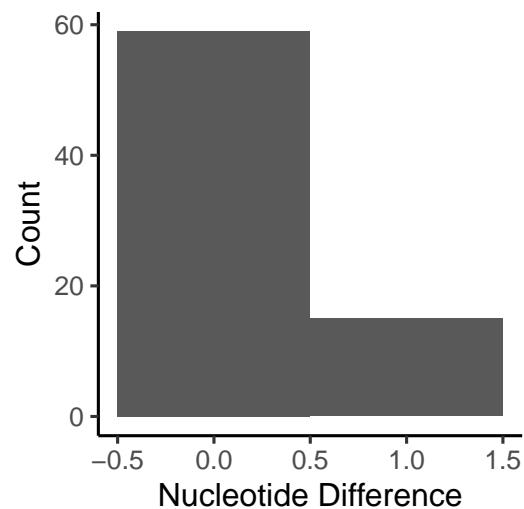
TRBV30*bp02

378 sequences assigned
266 (70.4%) exact matches, in which:
112 unique CDR3
14 unique J



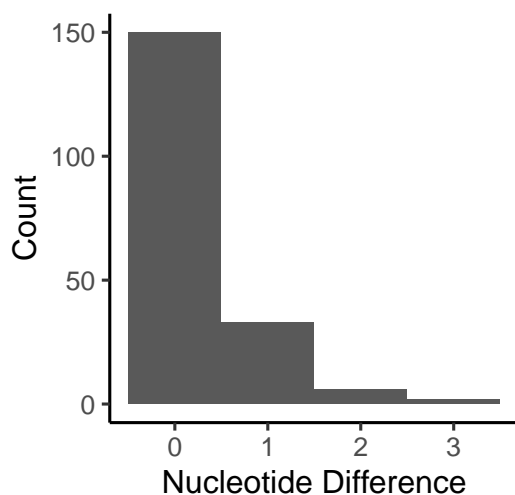
TRBV21-1*bp01

74 sequences assigned
59 (79.7%) exact matches, in which:
45 unique CDR3
11 unique J



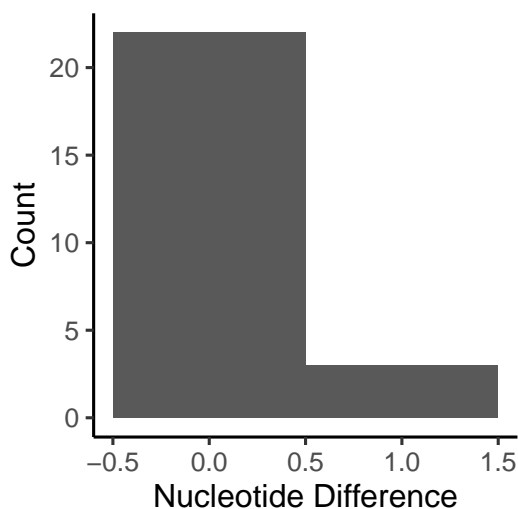
TRBV28*bp01

191 sequences assigned
150 (78.5%) exact matches, in which:
121 unique CDR3
14 unique J



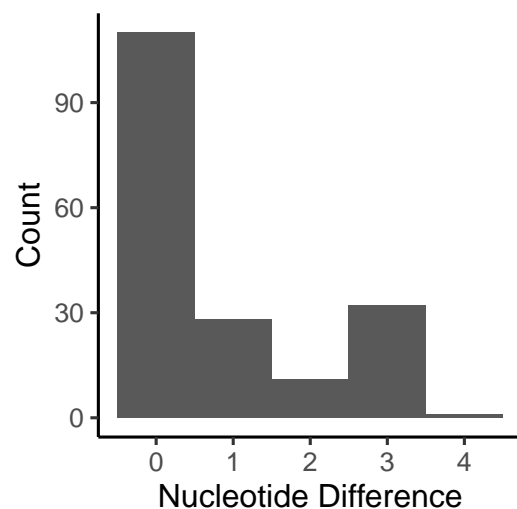
TRBV9*bp01

25 sequences assigned
22 (88%) exact matches, in which:
20 unique CDR3
8 unique J



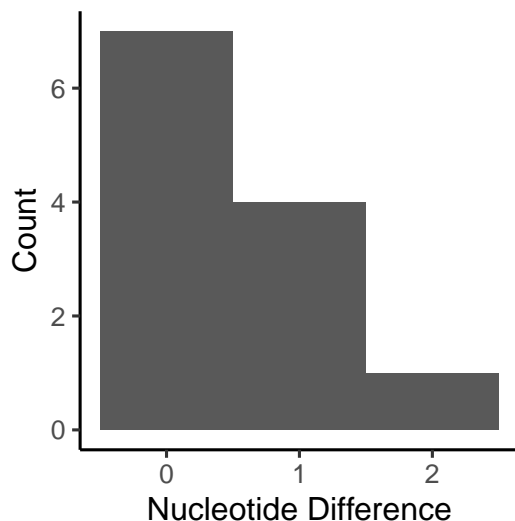
TRBV11-2*bp01

182 sequences assigned
110 (60.4%) exact matches, in which:
76 unique CDR3
13 unique J



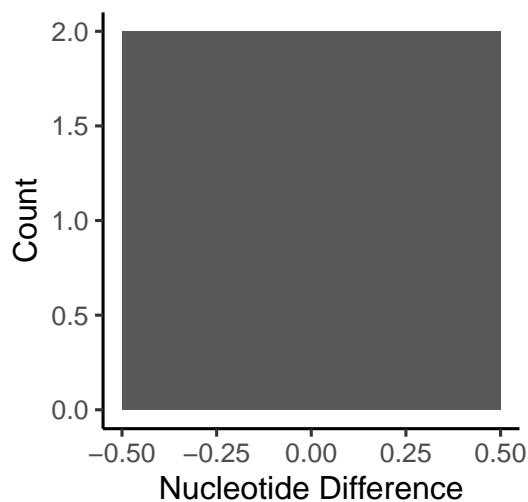
TRBV11–3*bp01

12 sequences assigned
7 (58.3%) exact matches, in which:
6 unique CDR3
3 unique J



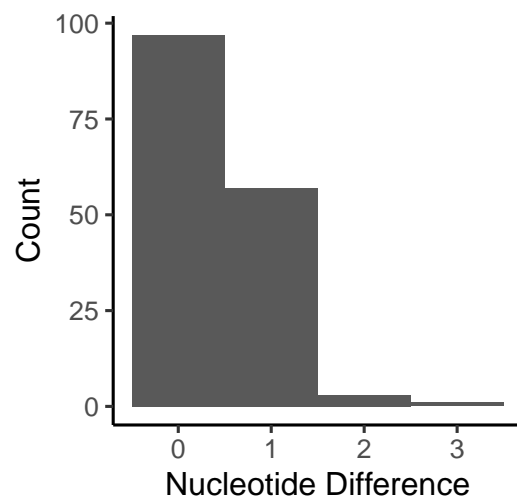
TRBV23–1*bp01

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



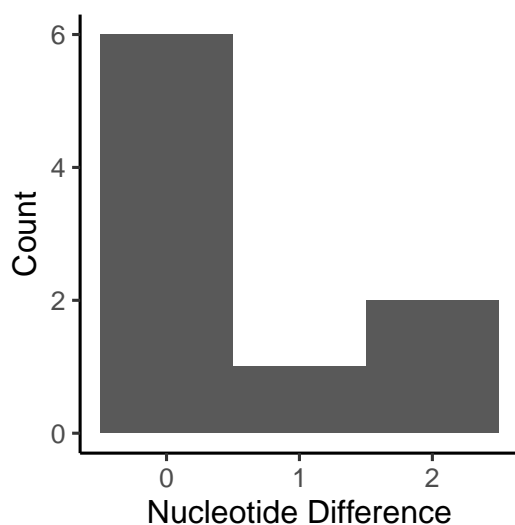
TRBV24–1*bp01

158 sequences assigned
97 (61.4%) exact matches, in which:
67 unique CDR3
11 unique J



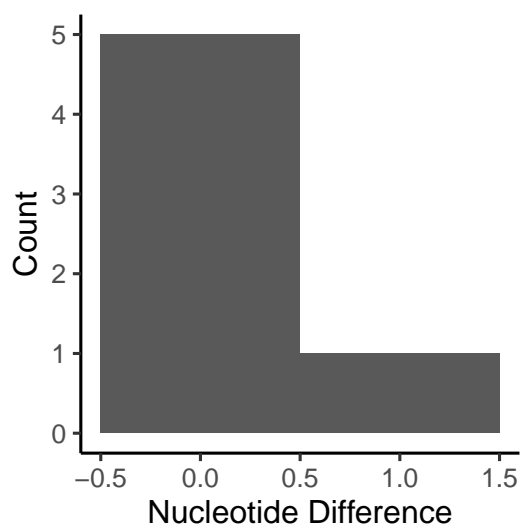
TRBV12–5*bp01

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



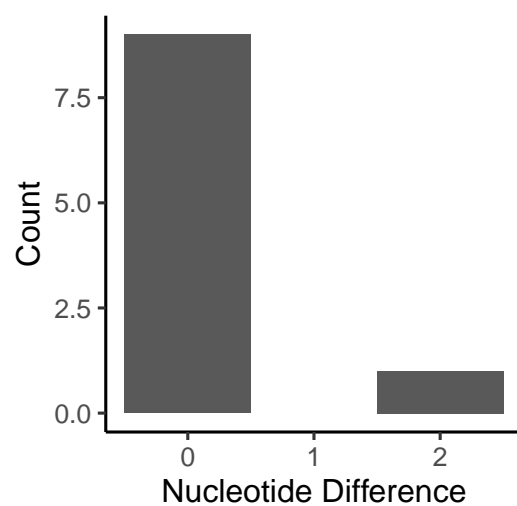
TRBV23–1*bp01_T304C

6 sequences assigned
5 (83.3%) exact matches, in which:
4 unique CDR3
3 unique J



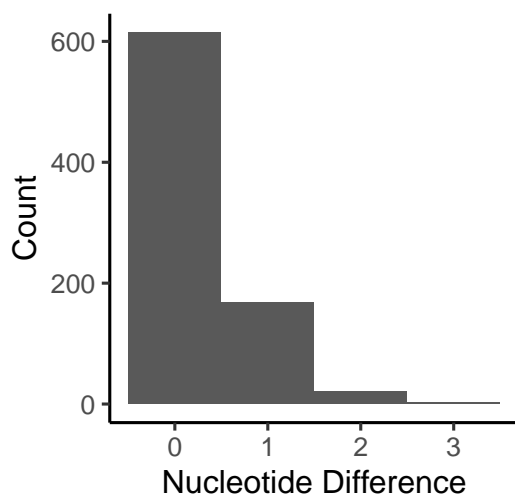
TRBV4–1*bp01

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



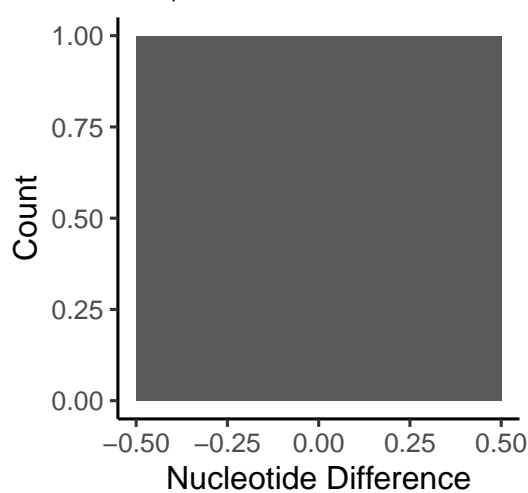
TRBV12–34*bp01

807 sequences assigned
615 (76.2%) exact matches, in which:
315 unique CDR3
14 unique J



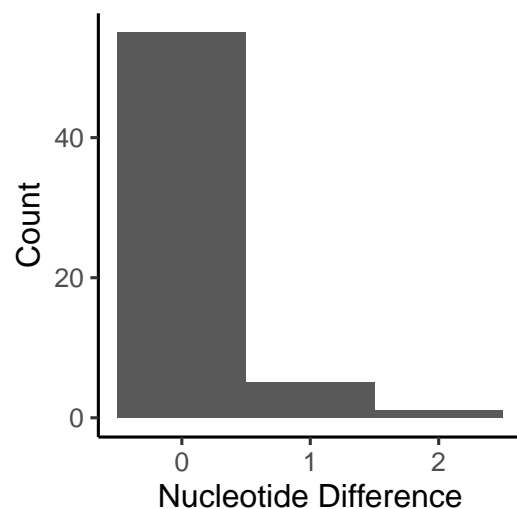
TRBV3–2*bp02

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



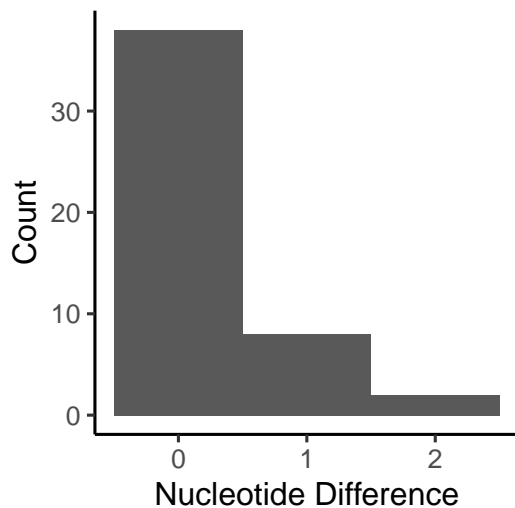
TRBV4–2*bp01

61 sequences assigned
55 (90.2%) exact matches, in which:
41 unique CDR3
11 unique J



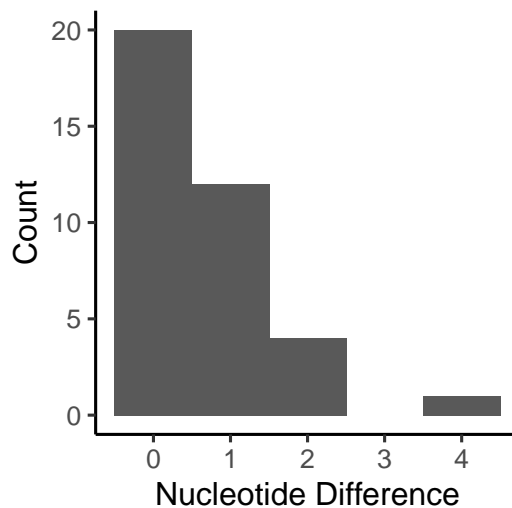
TRBV4-3*bp01

48 sequences assigned
38 (79.2%) exact matches, in which:
33 unique CDR3
9 unique J



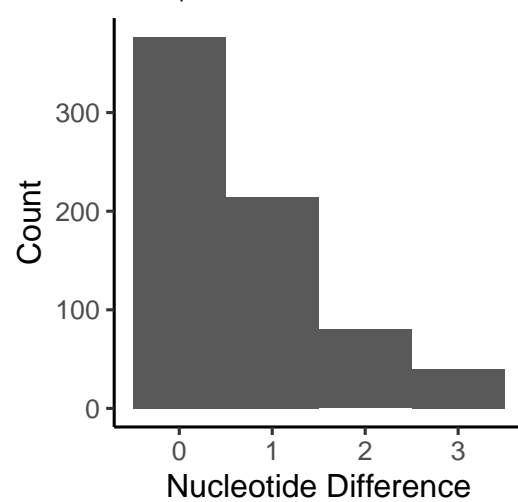
TRBV5-3*bp01

37 sequences assigned
20 (54.1%) exact matches, in which:
16 unique CDR3
8 unique J



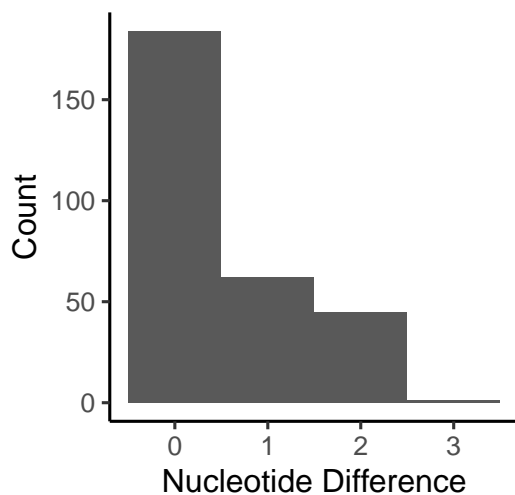
TRBV5-6*bp01

711 sequences assigned
377 (53%) exact matches, in which:
219 unique CDR3
14 unique J



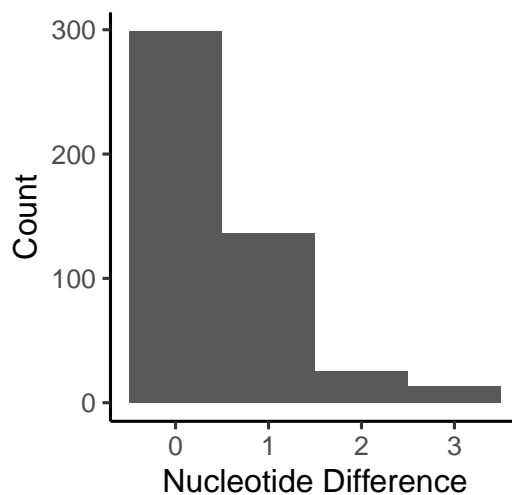
TRBV5-1*bp01

292 sequences assigned
184 (63%) exact matches, in which:
121 unique CDR3
13 unique J



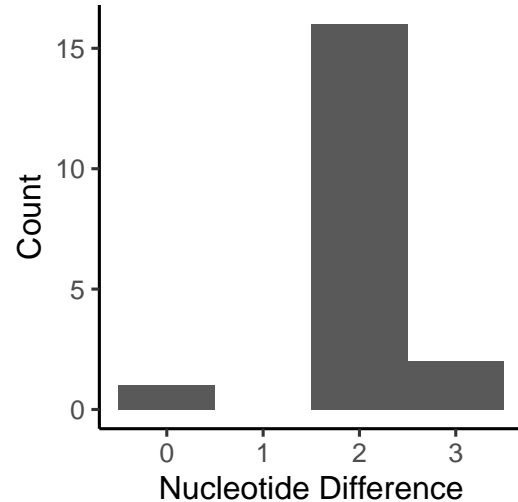
TRBV5-4*bp01

473 sequences assigned
299 (63.2%) exact matches, in which:
184 unique CDR3
14 unique J



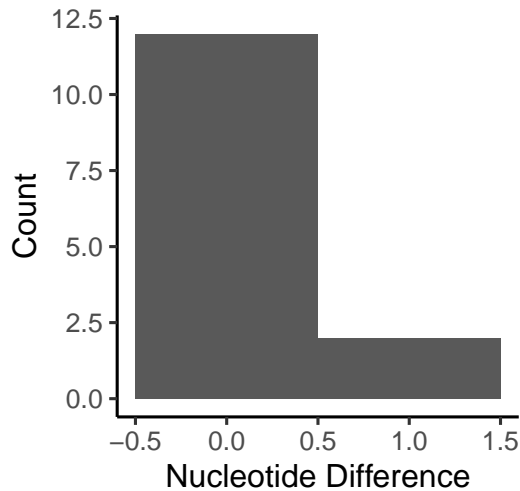
TRBV5-7*bp01

19 sequences assigned
1 (5.3%) exact matches, in which:
1 unique CDR3
1 unique J



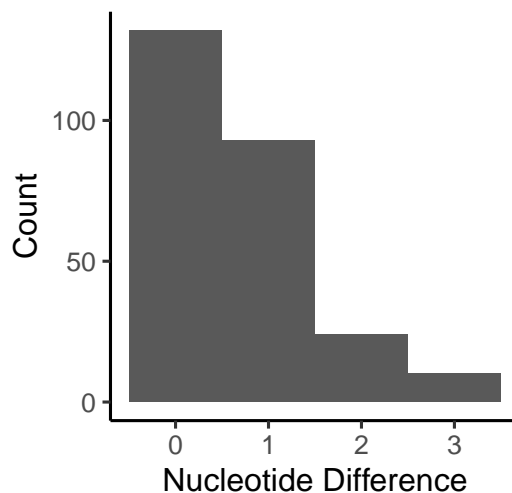
TRBV25-1*bp01

14 sequences assigned
12 (85.7%) exact matches, in which:
10 unique CDR3
8 unique J



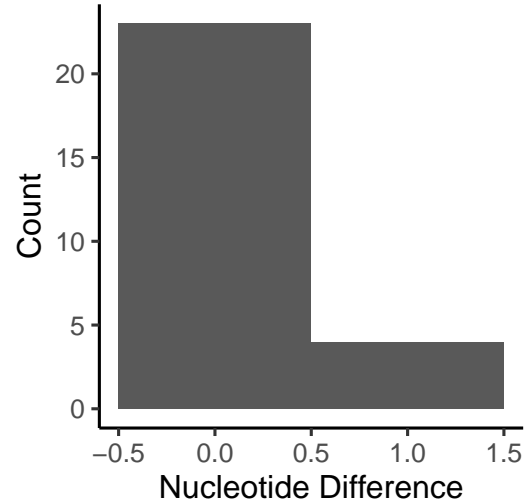
TRBV5-5*bp01

259 sequences assigned
132 (51%) exact matches, in which:
89 unique CDR3
12 unique J



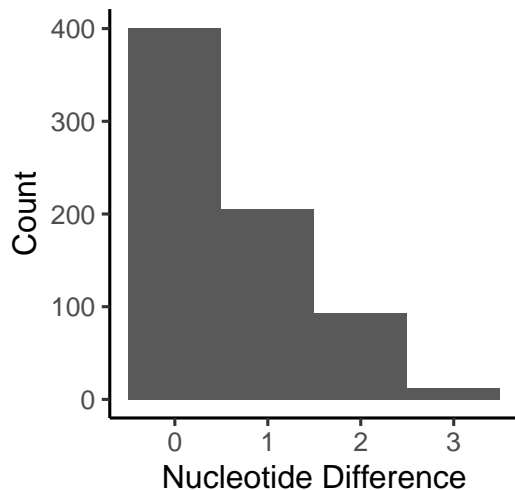
TRBV5-8*bp01

27 sequences assigned
23 (85.2%) exact matches, in which:
13 unique CDR3
8 unique J



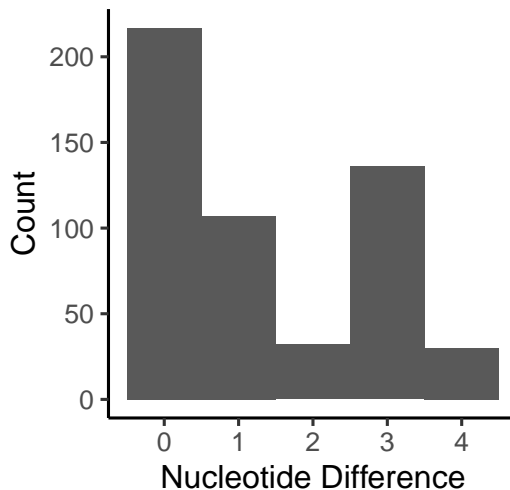
TRBV6-1*bp01

711 sequences assigned
401 (56.4%) exact matches, in which:
307 unique CDR3
14 unique J



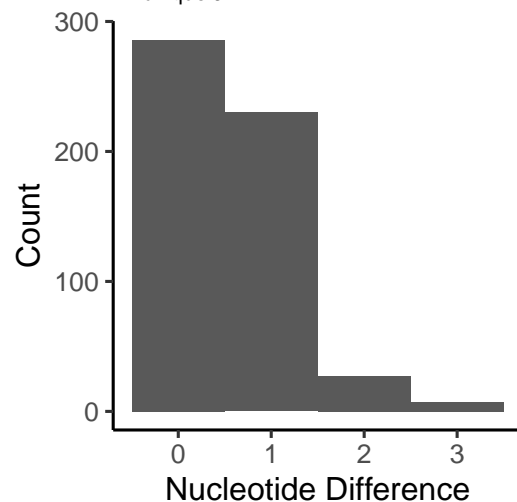
TRBV6-6*bp01

522 sequences assigned
217 (41.6%) exact matches, in which:
172 unique CDR3
14 unique J



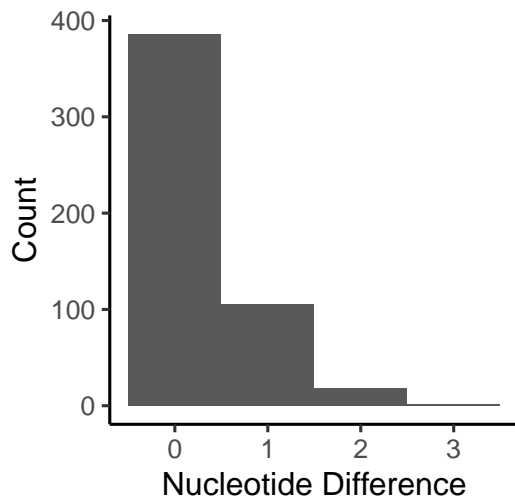
TRBV6-23*bp01

550 sequences assigned
286 (52%) exact matches, in which:
210 unique CDR3
14 unique J



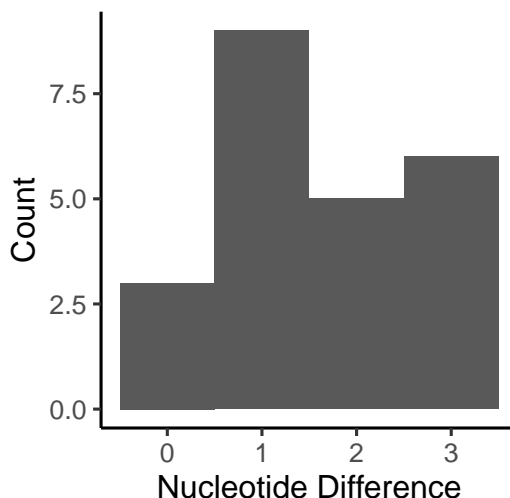
TRBV6-4*bp01

511 sequences assigned
386 (75.5%) exact matches, in which:
234 unique CDR3
14 unique J



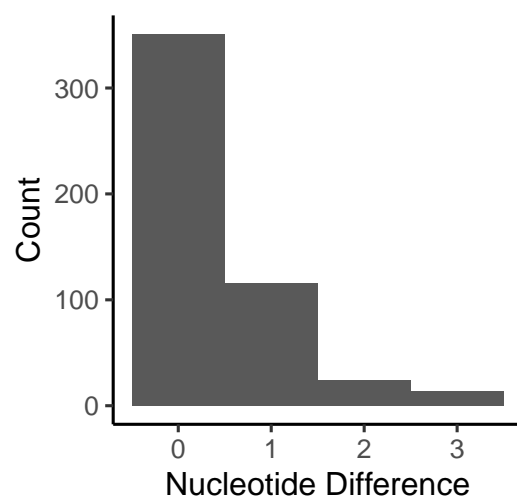
TRBV6-8*bp01

23 sequences assigned
3 (13%) exact matches, in which:
3 unique CDR3
2 unique J



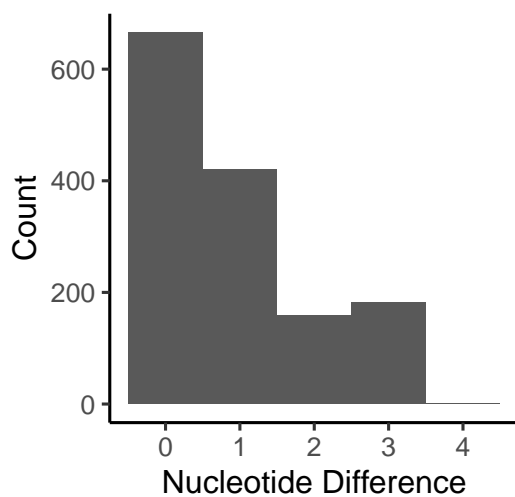
TRBV7-2*bp01

505 sequences assigned
351 (69.5%) exact matches, in which:
192 unique CDR3
13 unique J



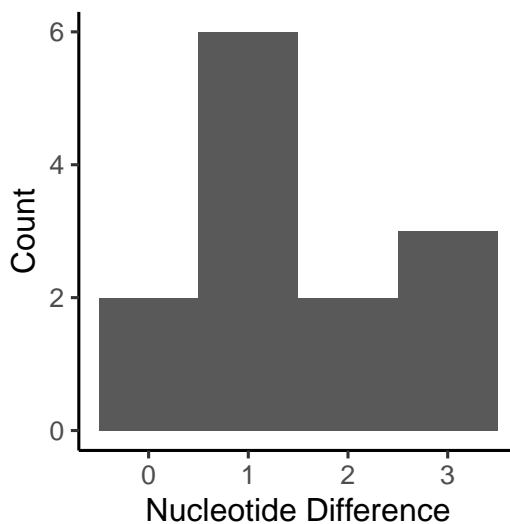
TRBV6-5*bp01

1429 sequences assigned
666 (46.6%) exact matches, in which:
471 unique CDR3
14 unique J



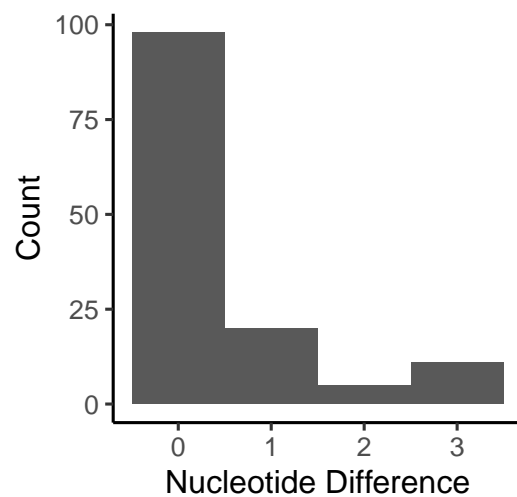
TRBV6-9*bp01

13 sequences assigned
2 (15.4%) exact matches, in which:
2 unique CDR3
2 unique J



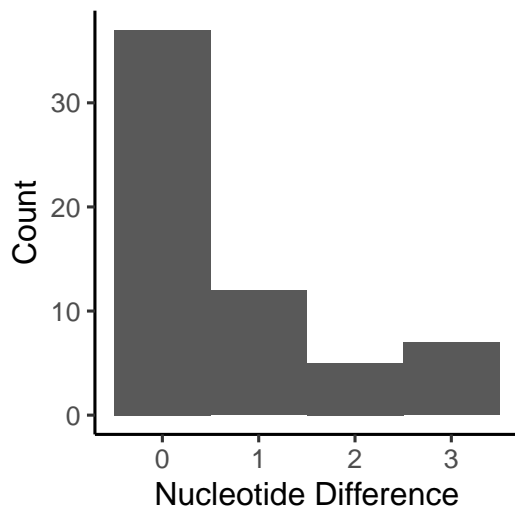
TRBV7-3*bp01

134 sequences assigned
98 (73.1%) exact matches, in which:
67 unique CDR3
12 unique J



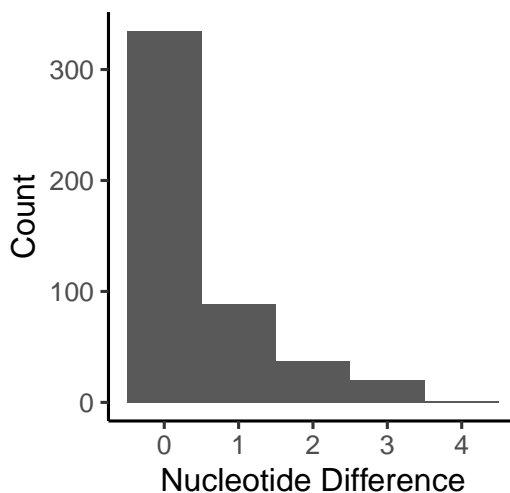
TRBV7-4*bp01

61 sequences assigned
37 (60.7%) exact matches, in which:
26 unique CDR3
10 unique J



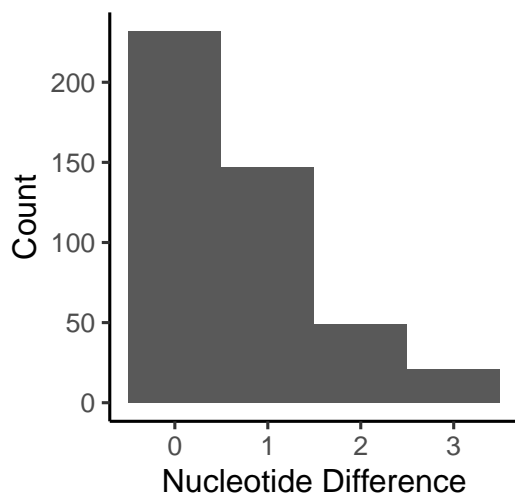
TRBV7-9*bp01

482 sequences assigned
335 (69.5%) exact matches, in which:
181 unique CDR3
13 unique J



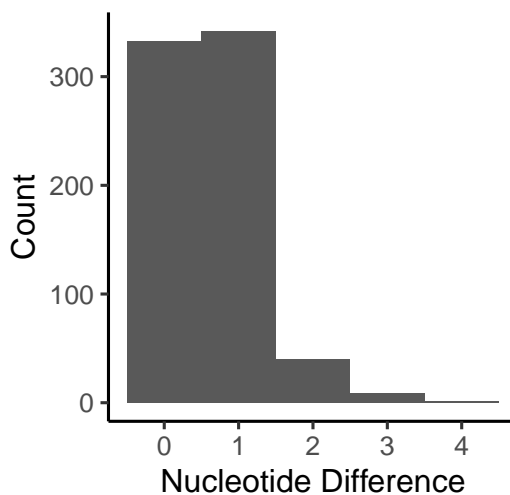
TRBV7-6*bp01

449 sequences assigned
232 (51.7%) exact matches, in which:
119 unique CDR3
13 unique J



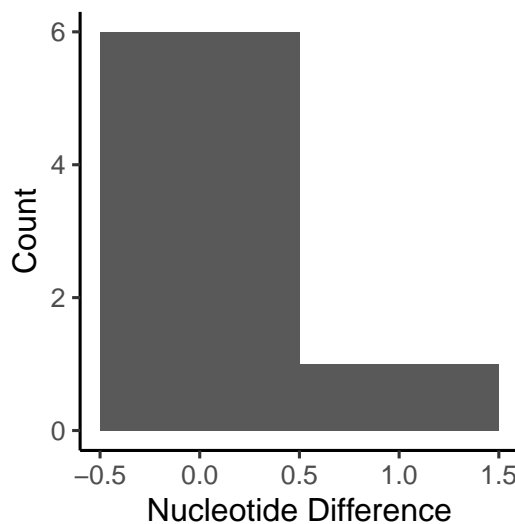
TRBV29-1*bp01

725 sequences assigned
333 (45.9%) exact matches, in which:
194 unique CDR3
12 unique J



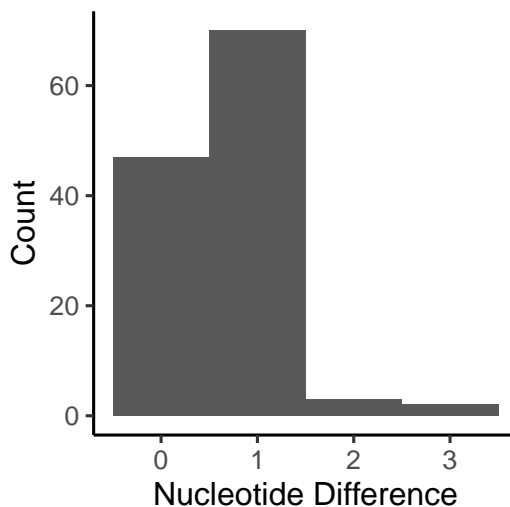
TRBV7-7*bp01

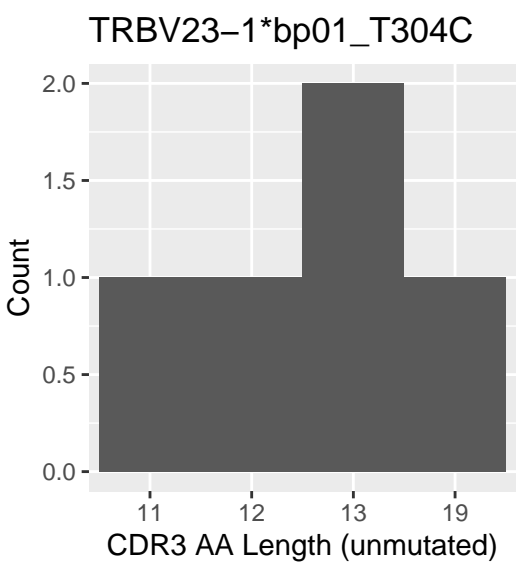
7 sequences assigned
6 (85.7%) exact matches, in which:
4 unique CDR3
3 unique J

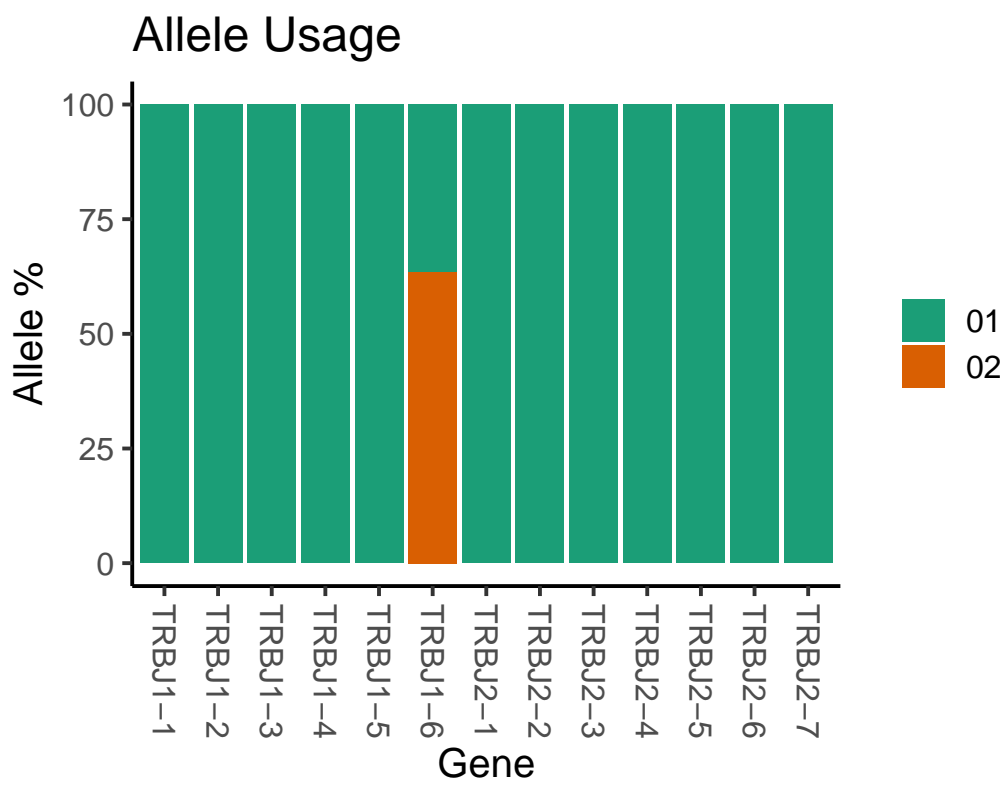


TRBV29-1*bp03

122 sequences assigned
47 (38.5%) exact matches, in which:
30 unique CDR3
8 unique J







Sequence Count by TRBJ1–6 allele usage



[illegible]