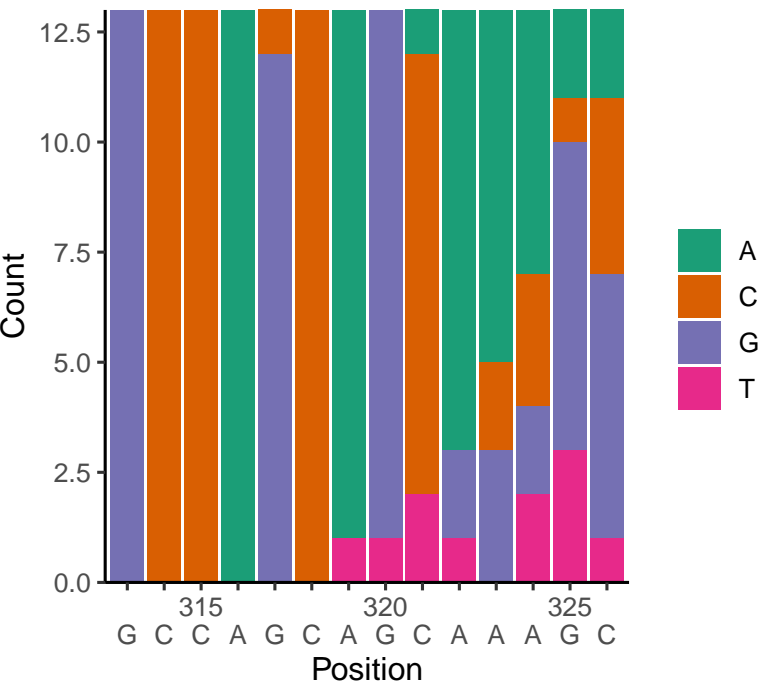
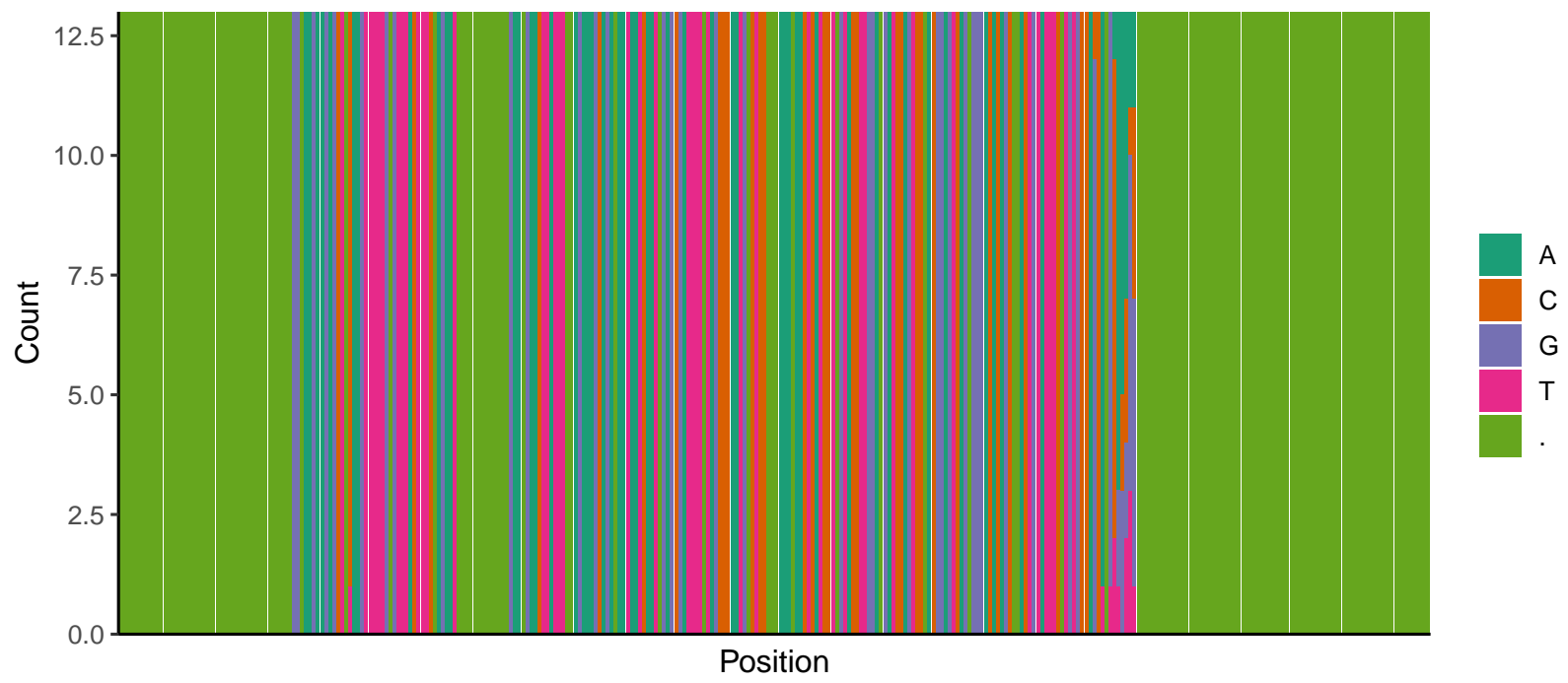


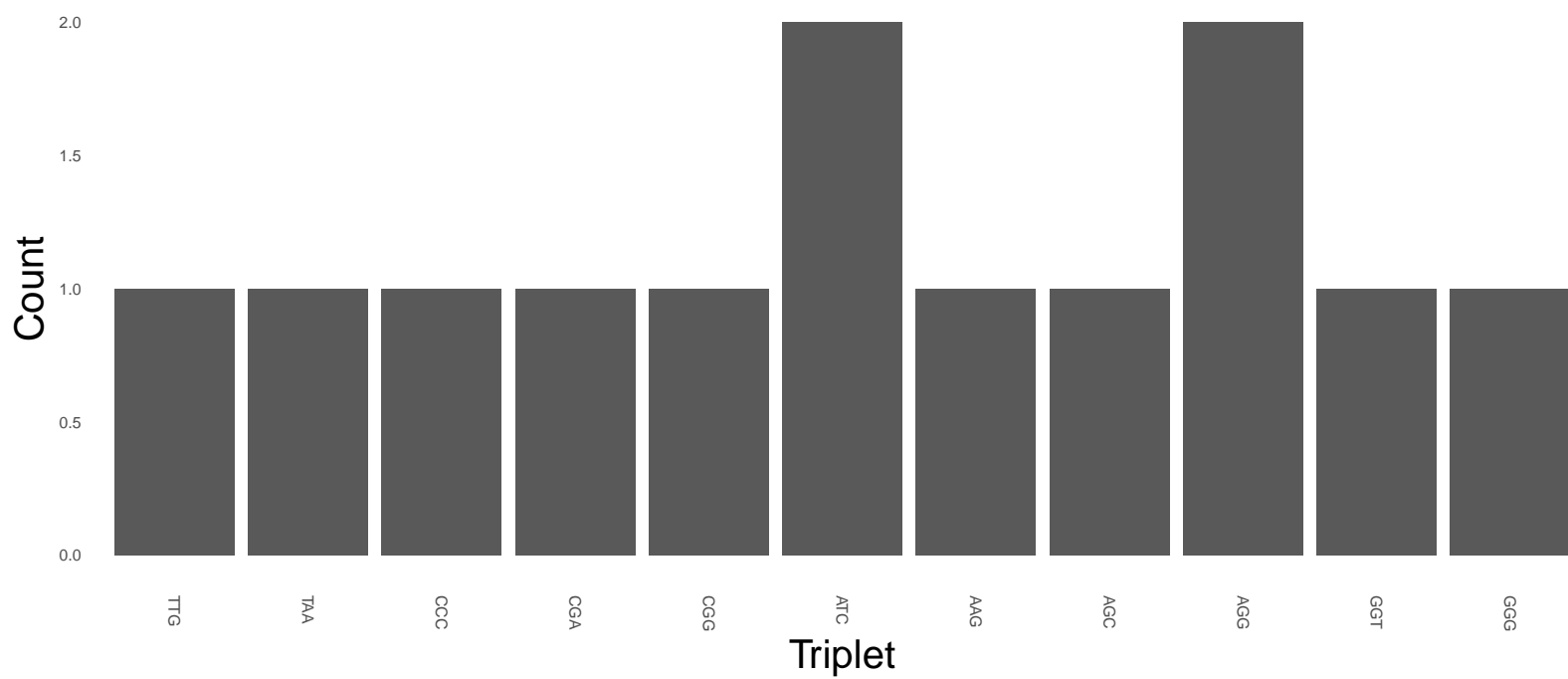
Gene TRBV21-1*bp01_C199T



Gene TRBV21-1*bp01_C199T

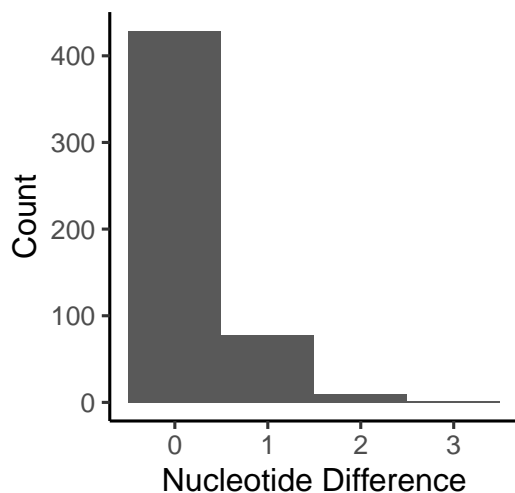


TRBV21-1*bp01_C199T- Final 3 nucleotides as a triplet



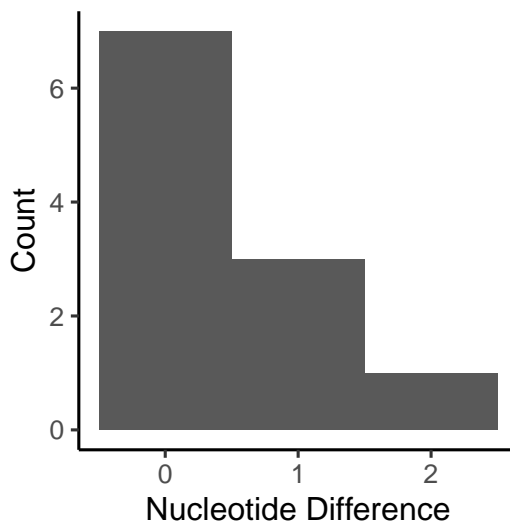
TRBV20–1*bp01

519 sequences assigned
429 (82.7%) exact matches, in which:
299 unique CDR3
13 unique J



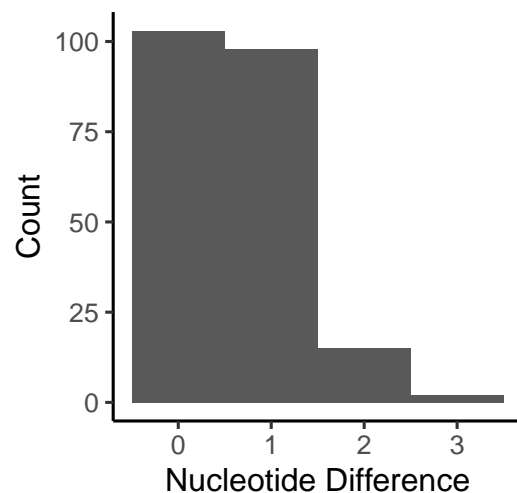
TRBV10–2*bp01

11 sequences assigned
7 (63.6%) exact matches, in which:
6 unique CDR3
4 unique J



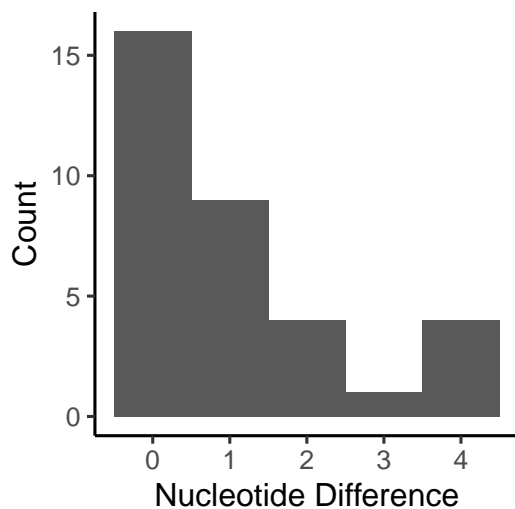
TRBV14*bp01

218 sequences assigned
103 (47.2%) exact matches, in which:
86 unique CDR3
12 unique J



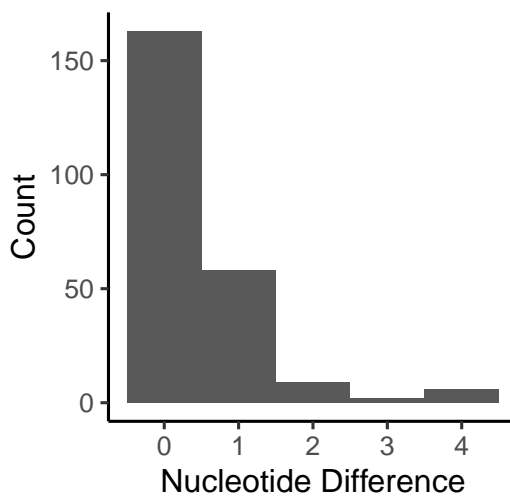
TRBV10–1*bp01

34 sequences assigned
16 (47.1%) exact matches, in which:
15 unique CDR3
7 unique J



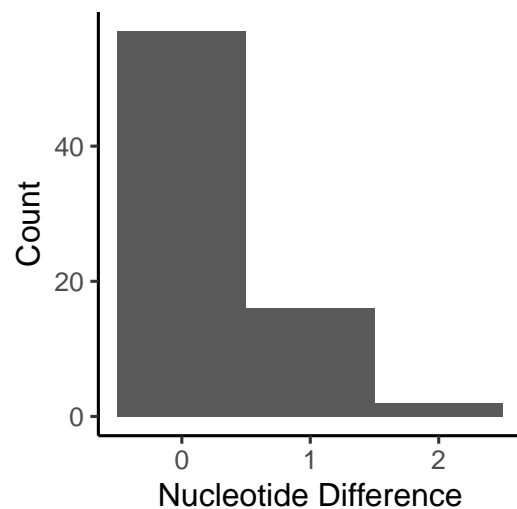
TRBV10–3*bp01

238 sequences assigned
163 (68.5%) exact matches, in which:
137 unique CDR3
13 unique J



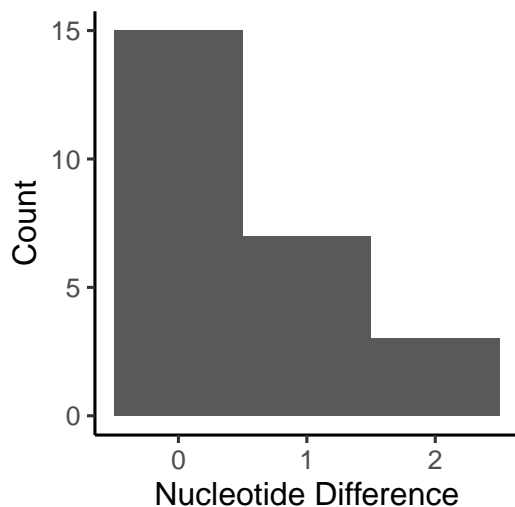
TRBV15*bp01

75 sequences assigned
57 (76%) exact matches, in which:
42 unique CDR3
12 unique J



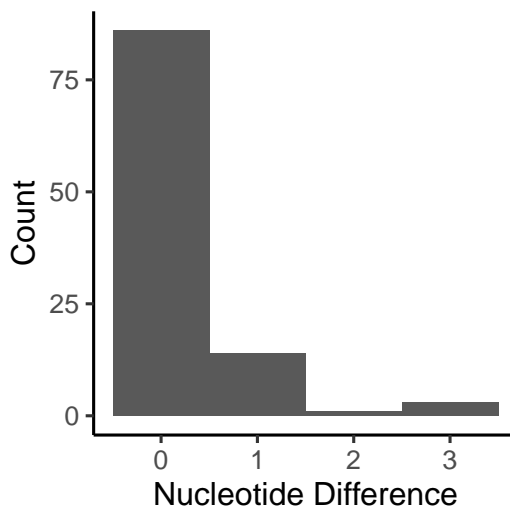
TRBV10–1*bp02

25 sequences assigned
15 (60%) exact matches, in which:
14 unique CDR3
8 unique J



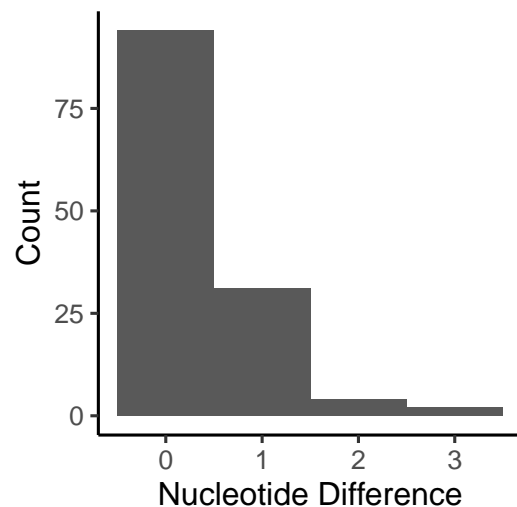
TRBV13*bp01

104 sequences assigned
86 (82.7%) exact matches, in which:
75 unique CDR3
12 unique J



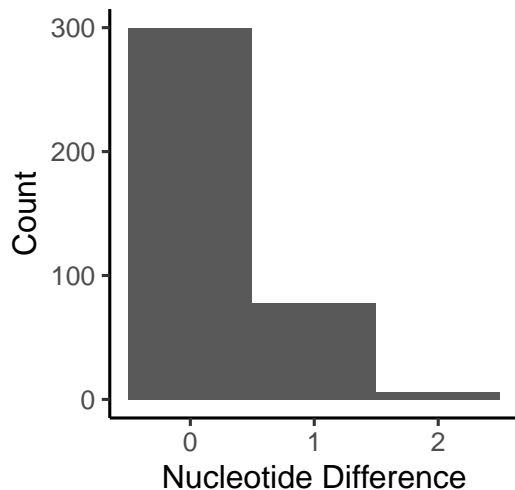
TRBV15*bp02

131 sequences assigned
94 (71.8%) exact matches, in which:
67 unique CDR3
13 unique J



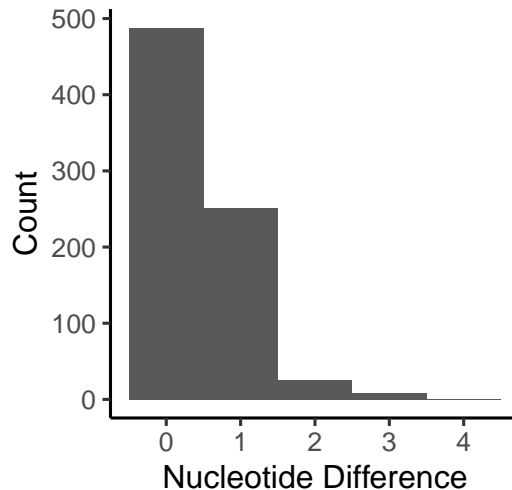
TRBV18*bp01

384 sequences assigned
300 (78.1%) exact matches, in which:
199 unique CDR3
13 unique J



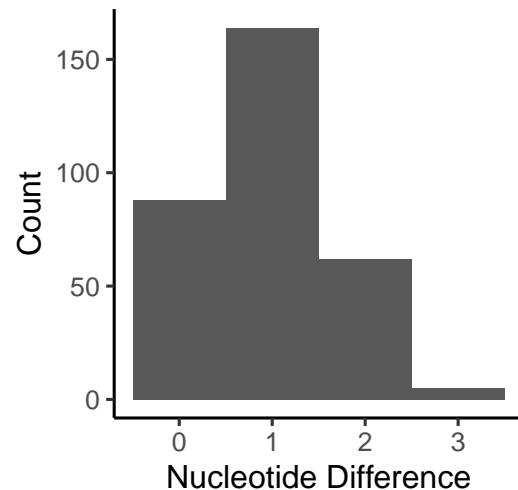
TRBV27*bp01

773 sequences assigned
488 (63.1%) exact matches, in which:
373 unique CDR3
13 unique J



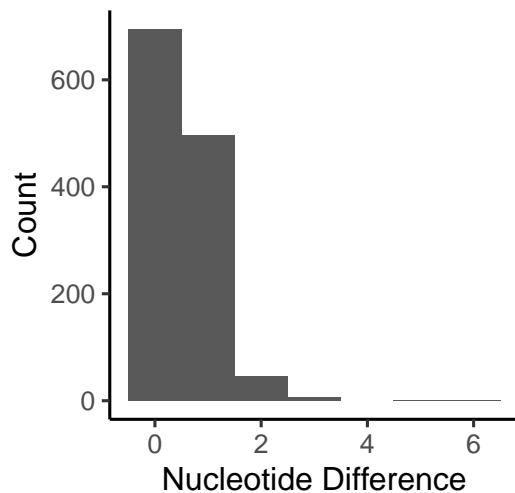
TRBV30*bp02

319 sequences assigned
88 (27.6%) exact matches, in which:
63 unique CDR3
12 unique J



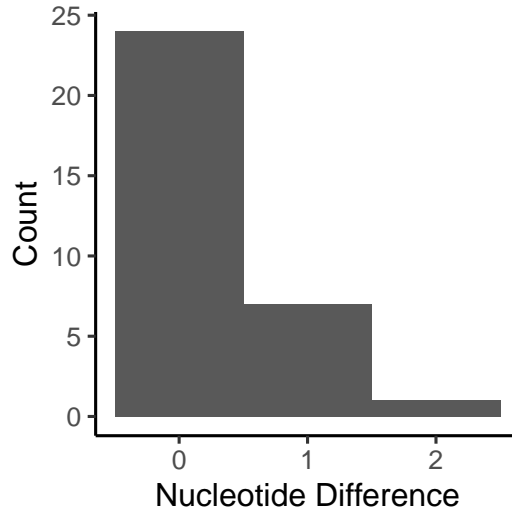
TRBV19*bp01

1244 sequences assigned
695 (55.9%) exact matches, in which:
469 unique CDR3
13 unique J



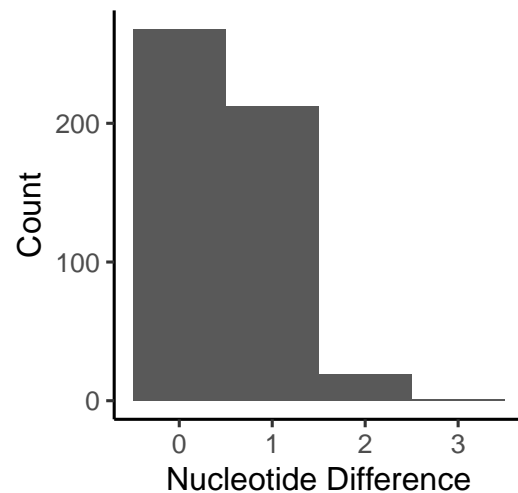
TRBV28*bp01

32 sequences assigned
24 (75%) exact matches, in which:
23 unique CDR3
10 unique J



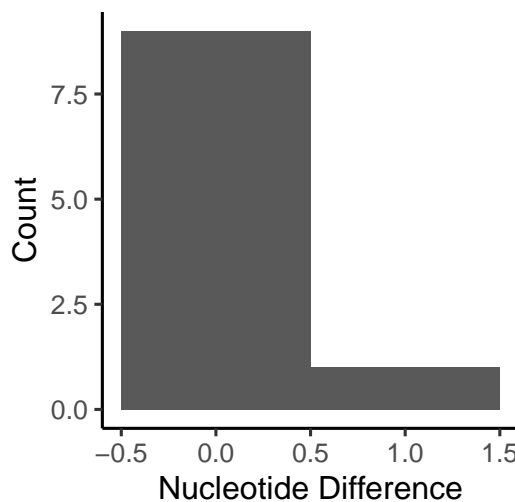
TRBV30*bp04

500 sequences assigned
268 (53.6%) exact matches, in which:
145 unique CDR3
12 unique J



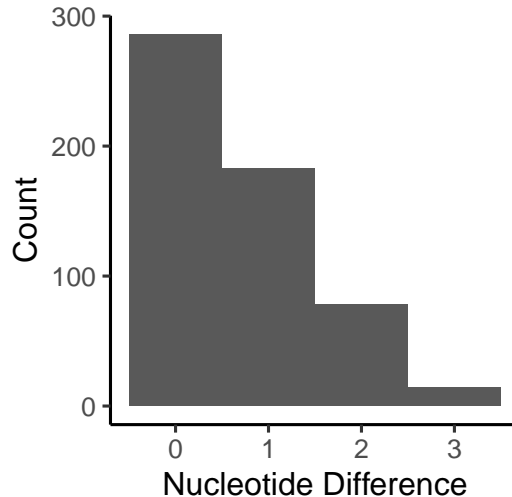
TRBV2*bp01

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



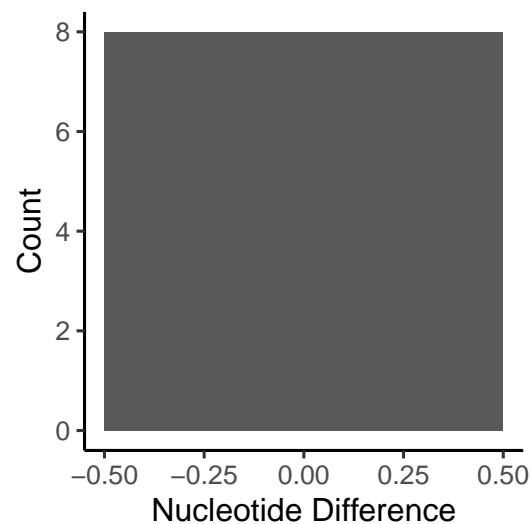
TRBV30*bp01

561 sequences assigned
286 (51%) exact matches, in which:
185 unique CDR3
13 unique J



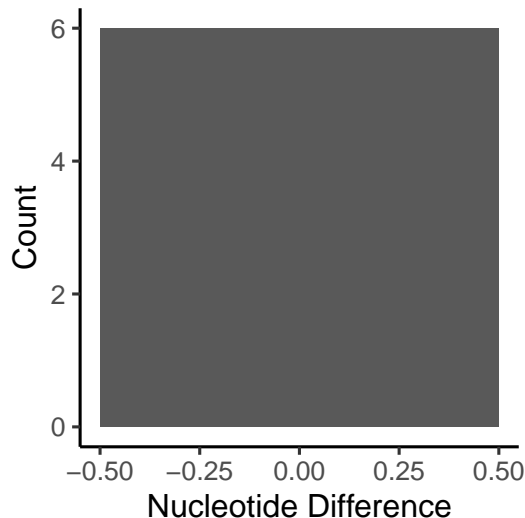
TRBV9*bp01

8 sequences assigned
8 (100%) exact matches, in which:
7 unique CDR3
4 unique J



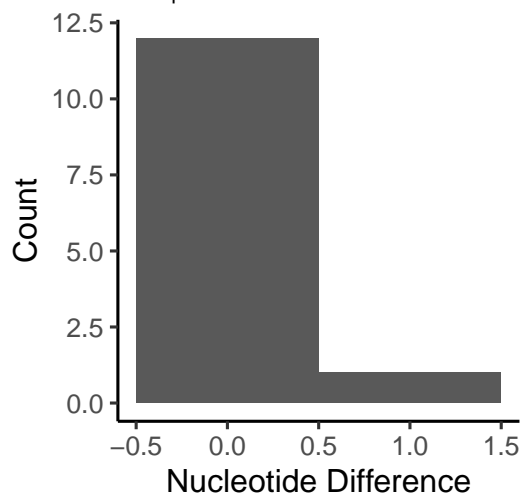
TRBV9*bp02

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



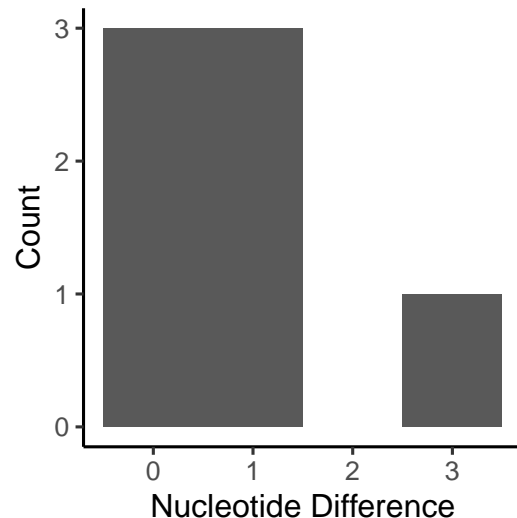
TRBV21-1*bp01_C199T

13 sequences assigned
12 (92.3%) exact matches, in which:
12 unique CDR3
6 unique J



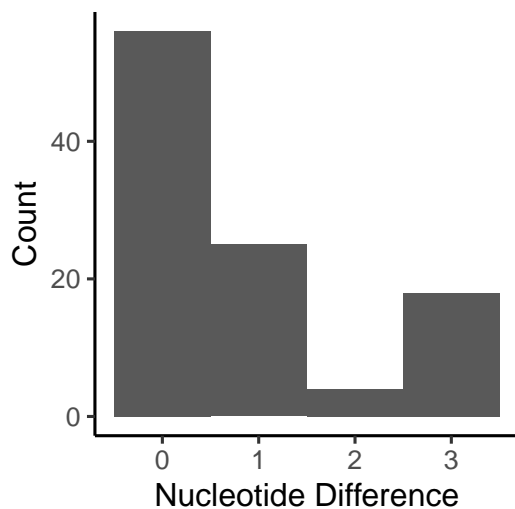
TRBV11-3*bp01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
3 unique J



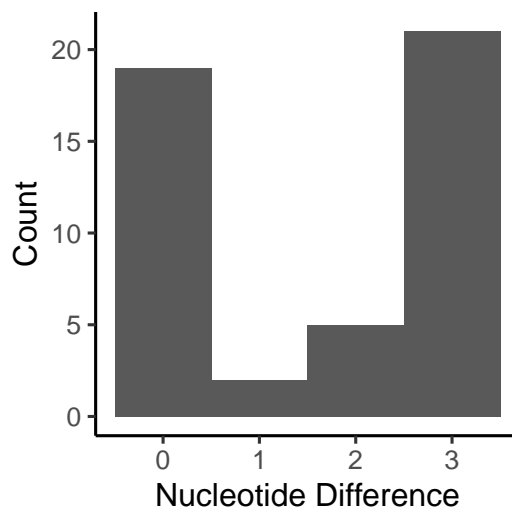
TRBV11-1*bp01

103 sequences assigned
56 (54.4%) exact matches, in which:
46 unique CDR3
10 unique J



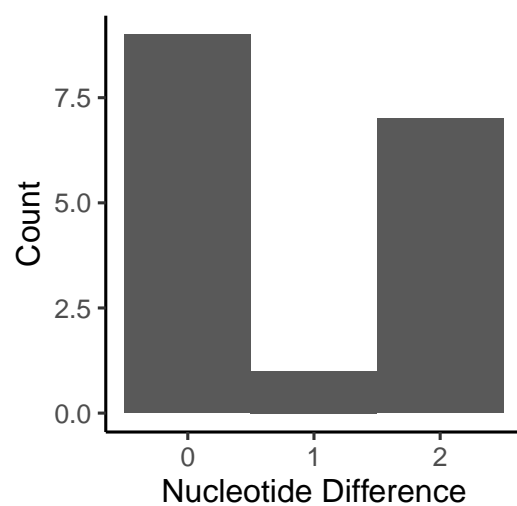
TRBV11-2*bp01

47 sequences assigned
19 (40.4%) exact matches, in which:
19 unique CDR3
9 unique J



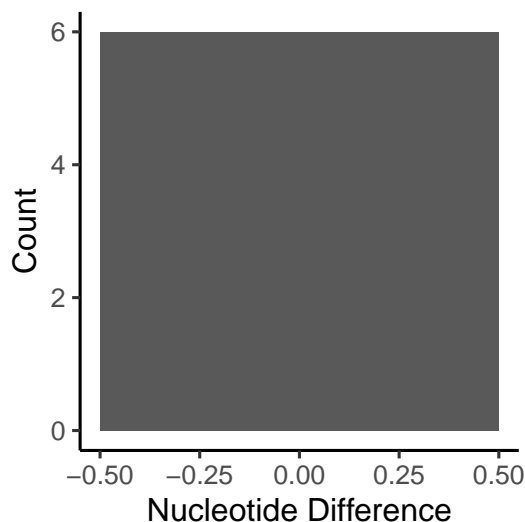
TRBV12-5*bp01

17 sequences assigned
9 (52.9%) exact matches, in which:
7 unique CDR3
5 unique J



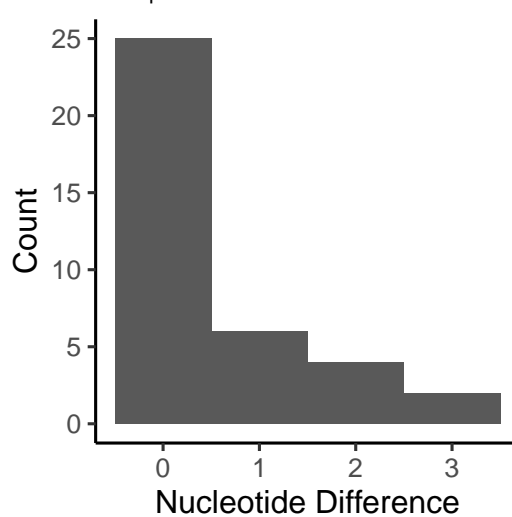
TRBV21-1*bp01

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



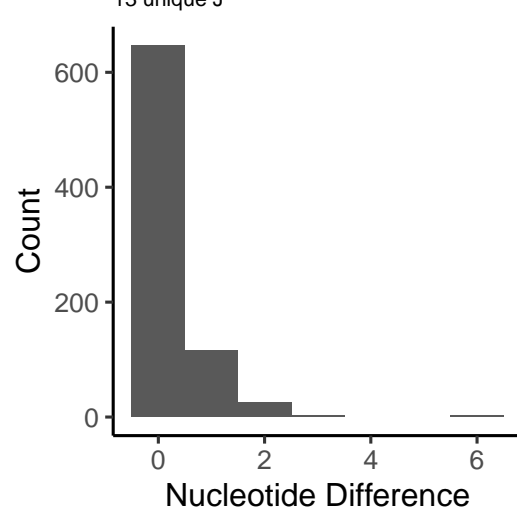
TRBV11-2*bp03

37 sequences assigned
25 (67.6%) exact matches, in which:
24 unique CDR3
8 unique J



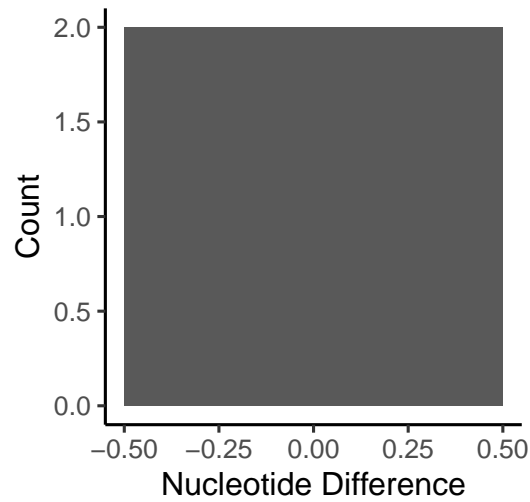
TRBV12-34*bp01

792 sequences assigned
647 (81.7%) exact matches, in which:
438 unique CDR3
13 unique J



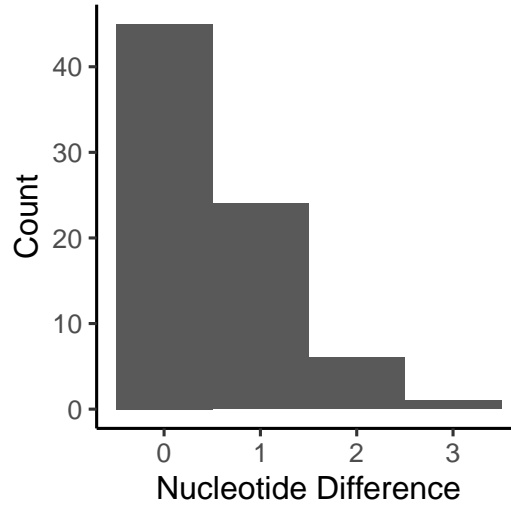
TRBV23–1*bp01

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



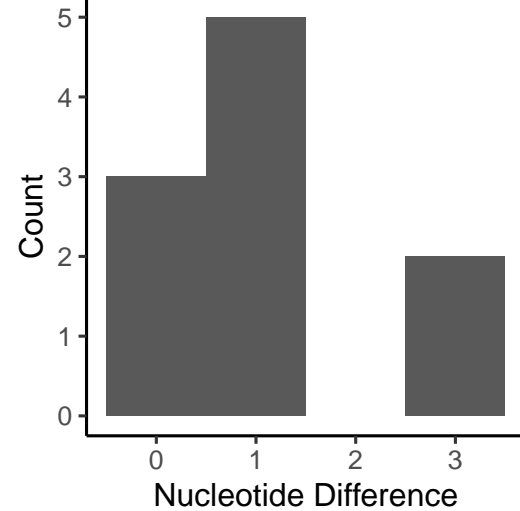
TRBV4–2*bp01

76 sequences assigned
45 (59.2%) exact matches, in which:
34 unique CDR3
10 unique J



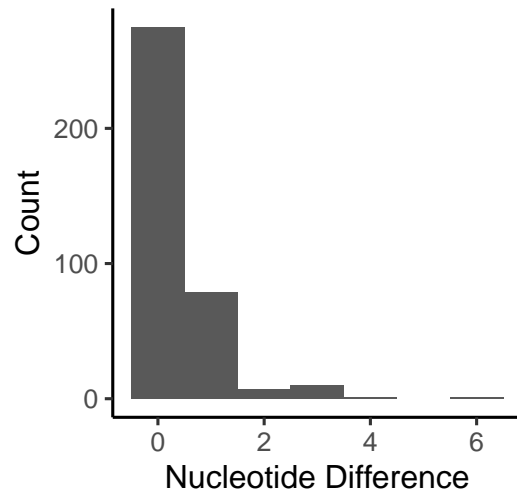
TRBV5–3*bp01

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



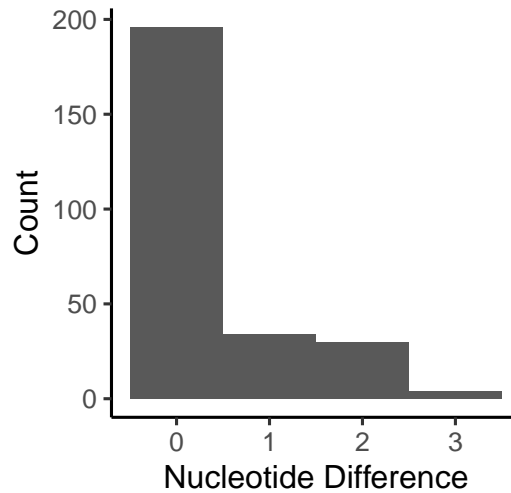
TRBV24–1*bp01

373 sequences assigned
275 (73.7%) exact matches, in which:
211 unique CDR3
12 unique J



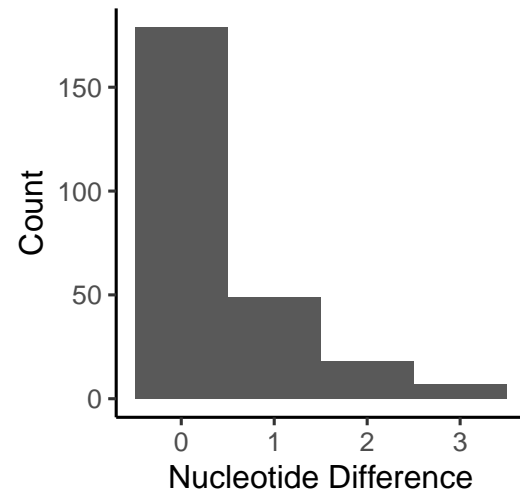
TRBV5–1*bp01

264 sequences assigned
196 (74.2%) exact matches, in which:
158 unique CDR3
13 unique J



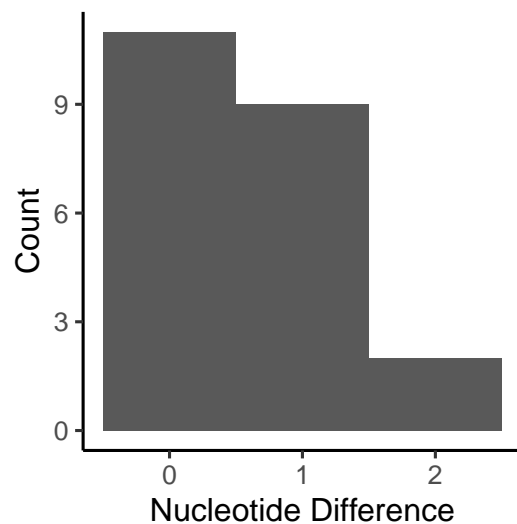
TRBV5–4*bp01

253 sequences assigned
179 (70.8%) exact matches, in which:
146 unique CDR3
13 unique J



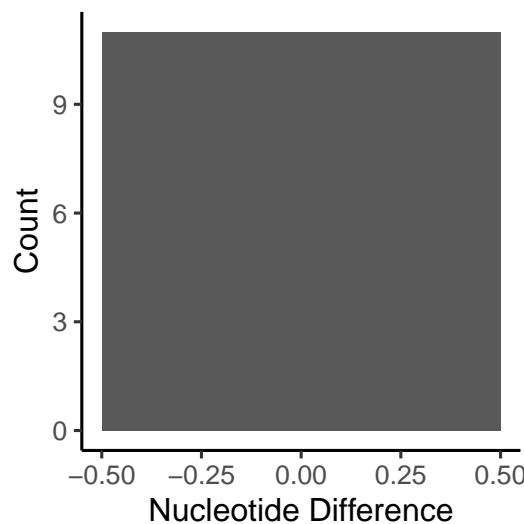
TRBV4–1*bp01

22 sequences assigned
11 (50%) exact matches, in which:
10 unique CDR3
7 unique J



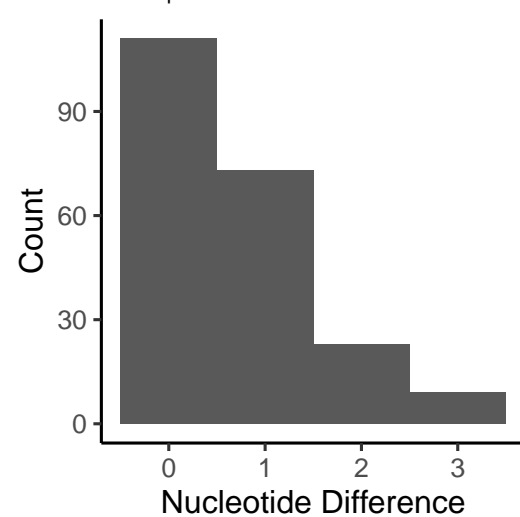
TRBV25–1*bp01

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



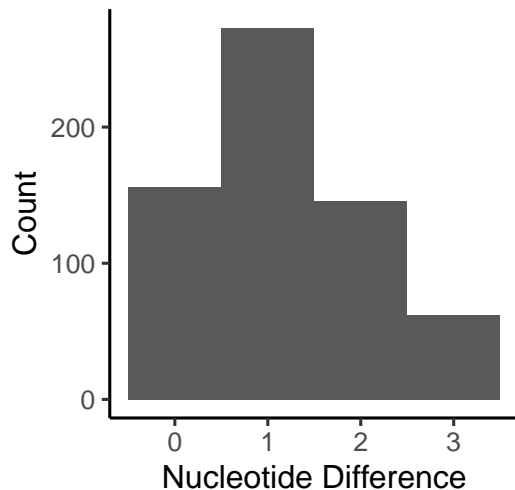
TRBV5–5*bp01

216 sequences assigned
111 (51.4%) exact matches, in which:
74 unique CDR3
12 unique J



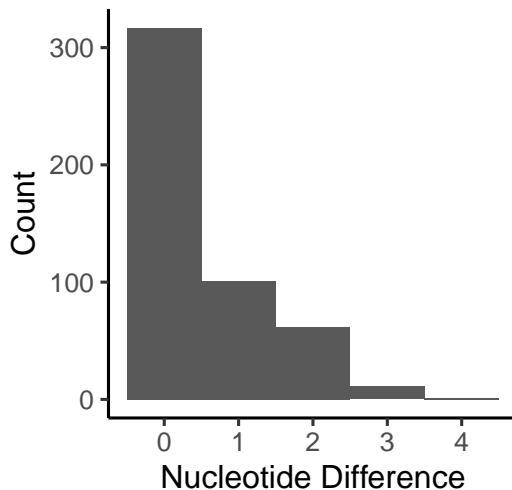
TRBV5-6*bp01

637 sequences assigned
156 (24.5%) exact matches, in which:
122 unique CDR3
12 unique J



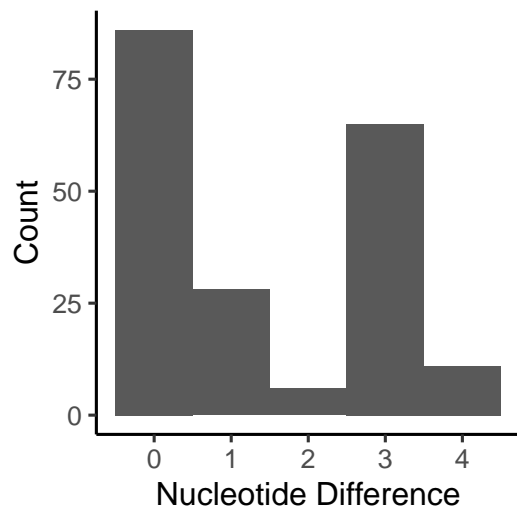
TRBV6-1*bp01

492 sequences assigned
317 (64.4%) exact matches, in which:
283 unique CDR3
13 unique J



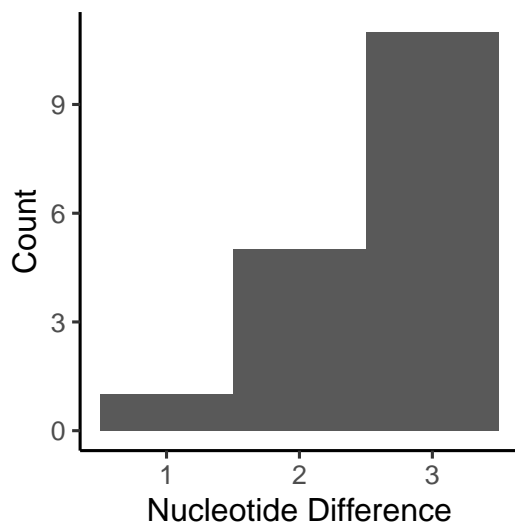
TRBV6-6*bp01

196 sequences assigned
86 (43.9%) exact matches, in which:
79 unique CDR3
13 unique J



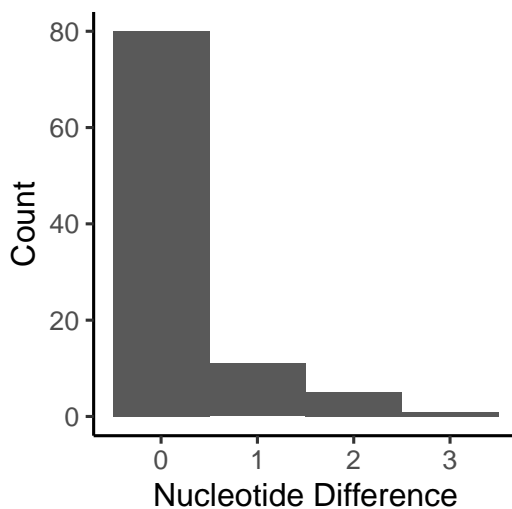
TRBV5-7*bp01

17 sequences assigned
No exact matches.



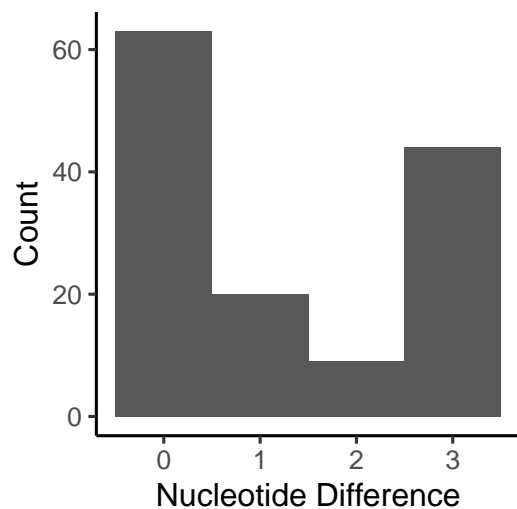
TRBV6-4*bp01

97 sequences assigned
80 (82.5%) exact matches, in which:
65 unique CDR3
12 unique J



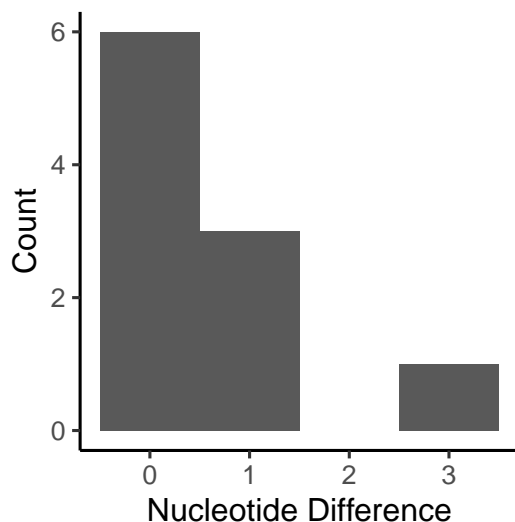
TRBV6-6*bp02

136 sequences assigned
63 (46.3%) exact matches, in which:
57 unique CDR3
11 unique J



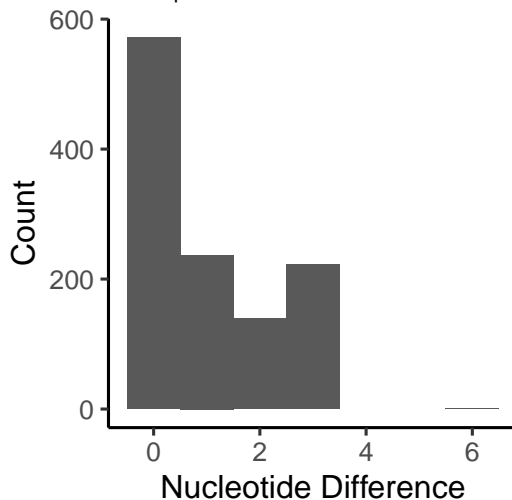
TRBV5-8*bp01

10 sequences assigned
6 (60%) exact matches, in which:
5 unique CDR3
4 unique J



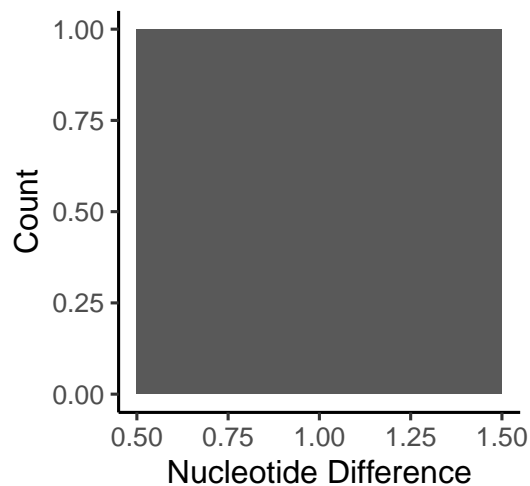
TRBV6-5*bp01

1171 sequences assigned
572 (48.8%) exact matches, in which:
485 unique CDR3
13 unique J



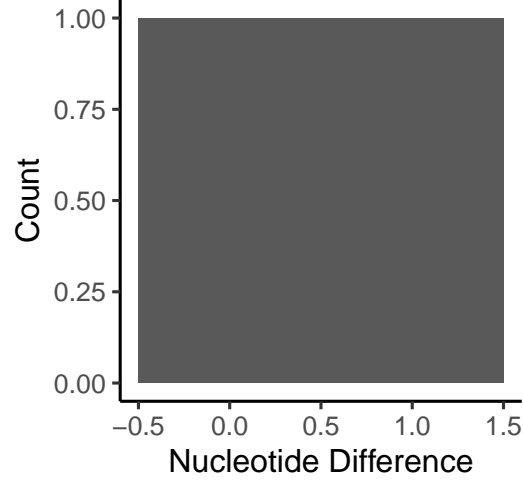
TRBV6-7*bp01

1 sequences assigned
No exact matches.



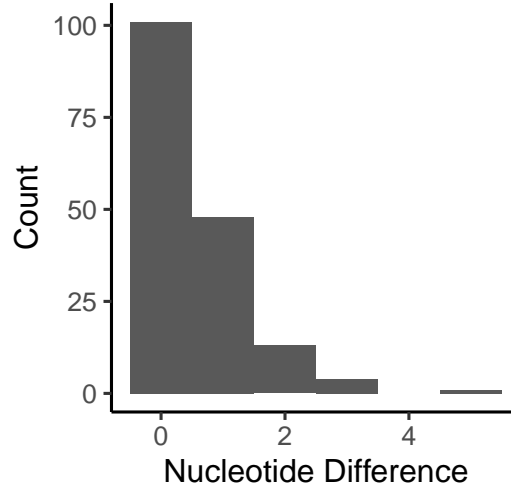
TRBV6–8*bp01

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



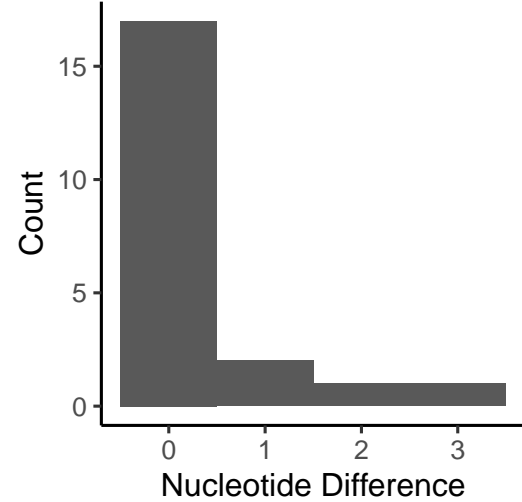
TRBV7–2*bp01

167 sequences assigned
101 (60.5%) exact matches, in which:
77 unique CDR3
12 unique J



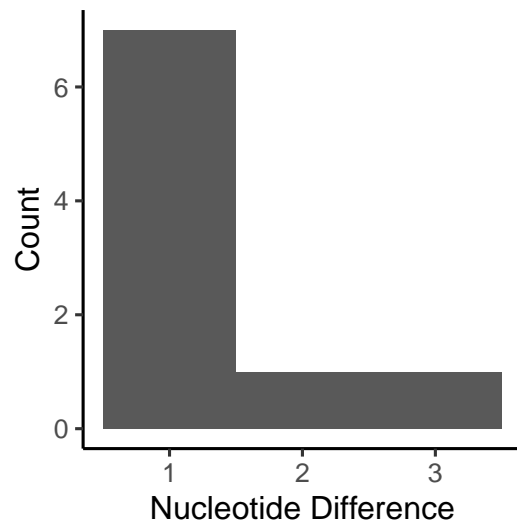
TRBV7–4*bp01

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



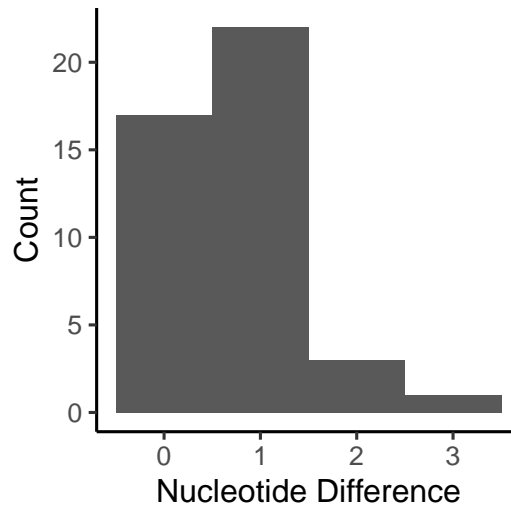
TRBV6–9*bp01

9 sequences assigned
No exact matches.



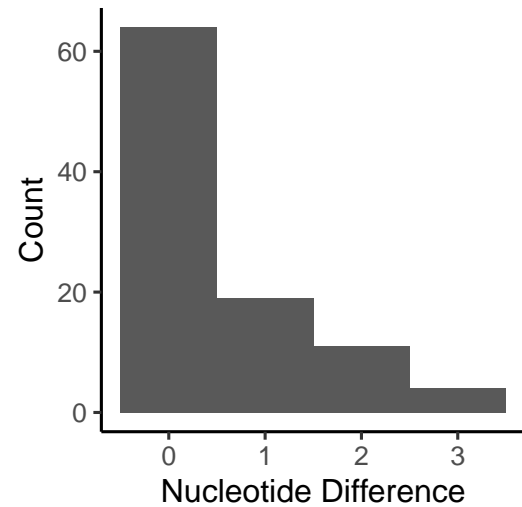
TRBV7–2*bp02

43 sequences assigned
17 (39.5%) exact matches, in which:
11 unique CDR3
7 unique J



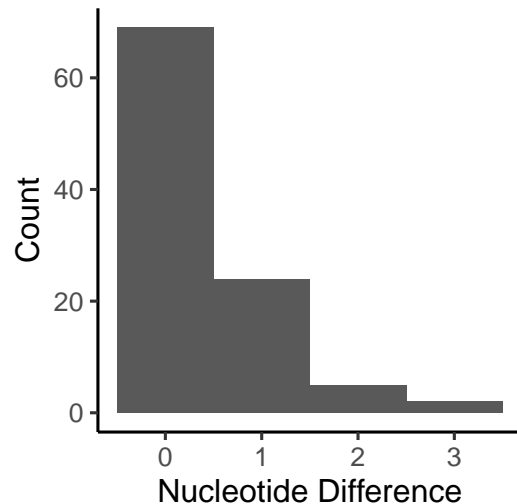
TRBV7–6*bp01

98 sequences assigned
64 (65.3%) exact matches, in which:
52 unique CDR3
11 unique J



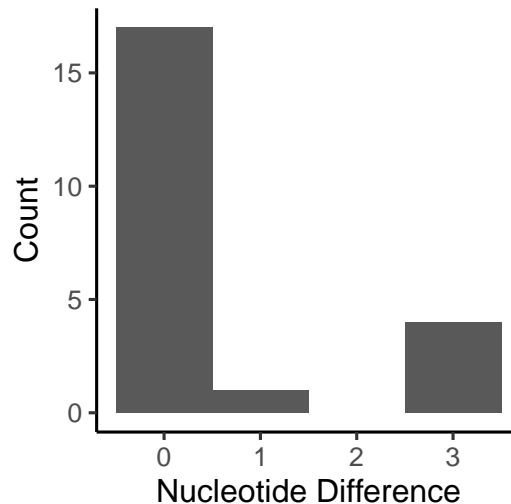
TRBV6–23*bp01

100 sequences assigned
69 (69%) exact matches, in which:
61 unique CDR3
12 unique J



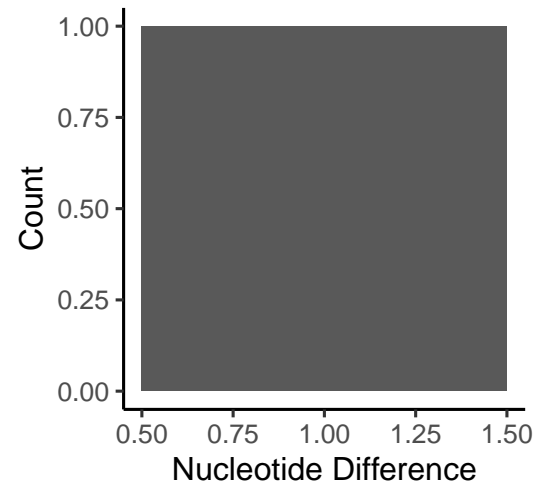
TRBV7–3*bp01

22 sequences assigned
17 (77.3%) exact matches, in which:
15 unique CDR3
8 unique J



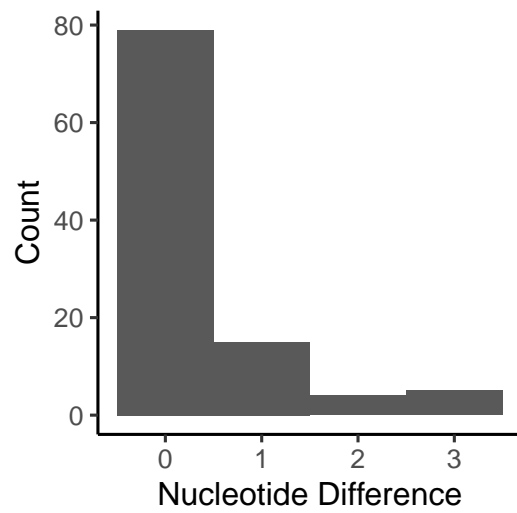
TRBV7–7*bp01

1 sequences assigned
No exact matches.



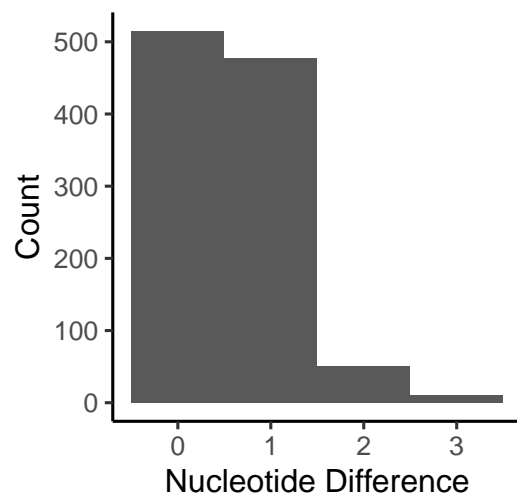
TRBV7-9*bp01

103 sequences assigned
79 (76.7%) exact matches, in which:
64 unique CDR3
13 unique J



TRBV29-1*bp01

1052 sequences assigned
515 (49%) exact matches, in which:
343 unique CDR3
12 unique J



TRBV21-1*bp01_C199T

