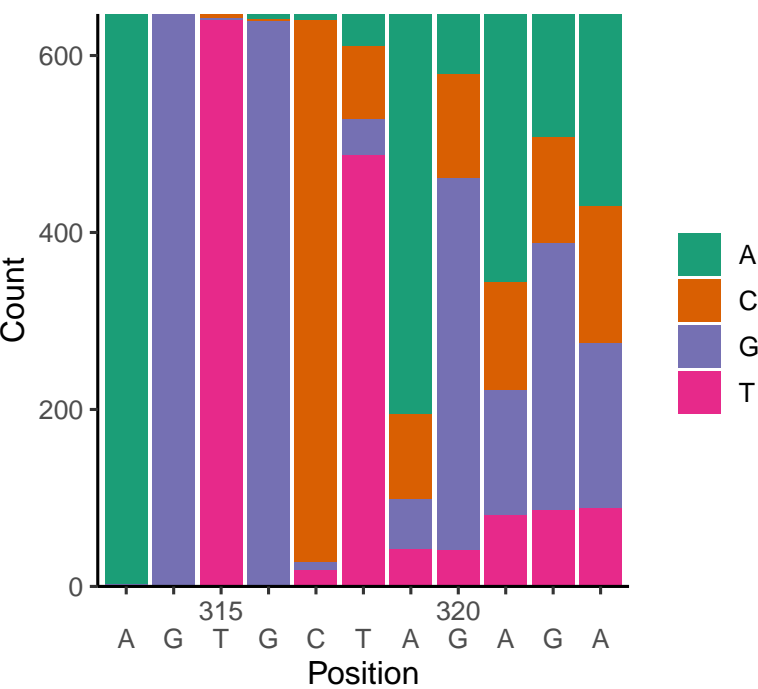
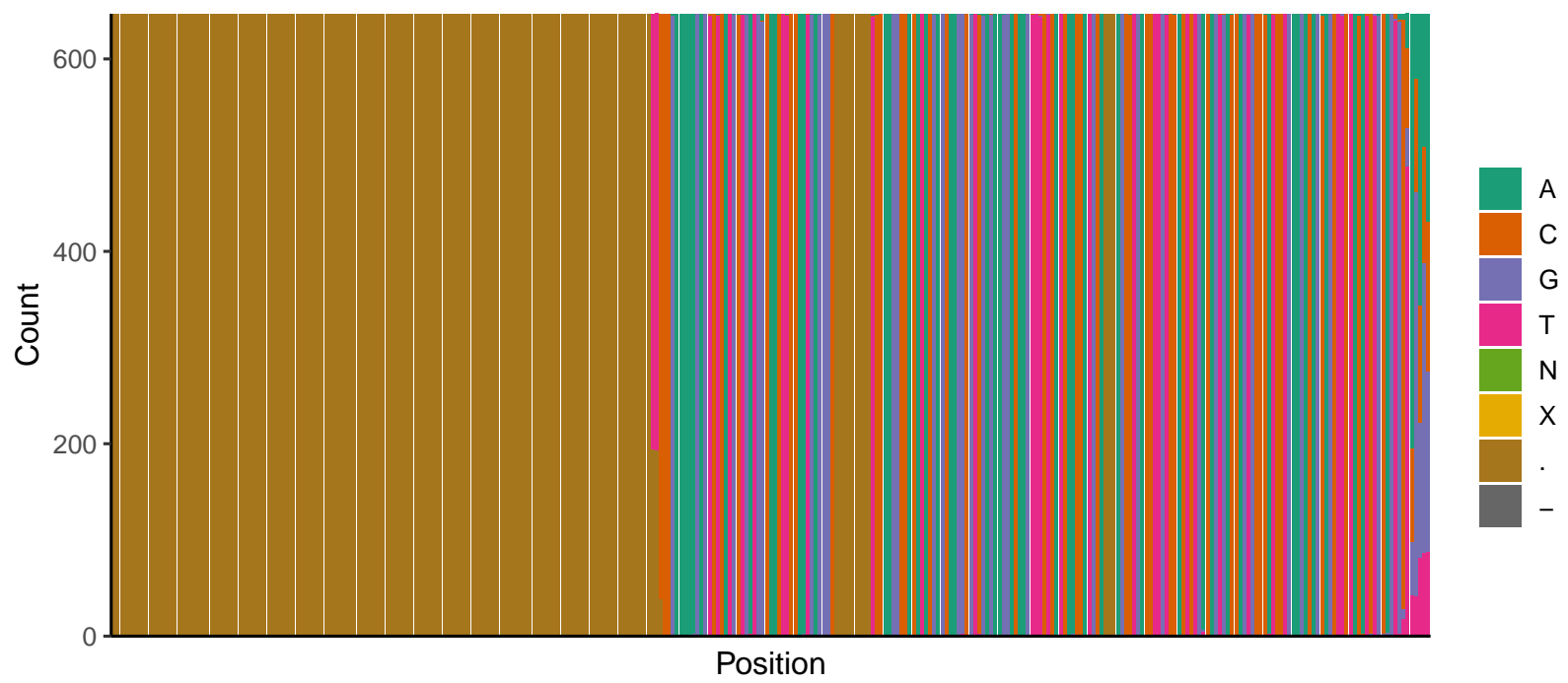


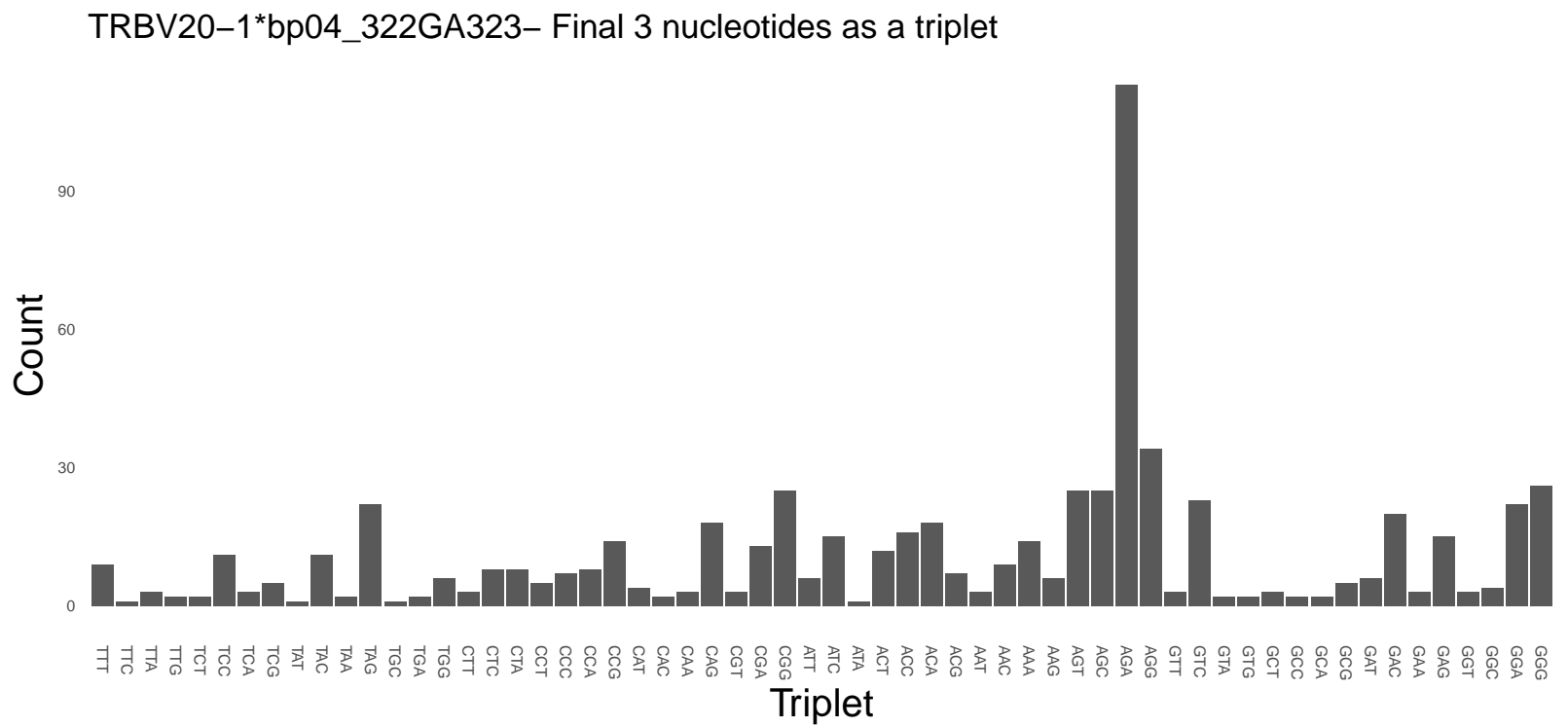
Gene TRBV20-1*bp04_322GA323



Gene TRBV20-1*bp04_322GA323

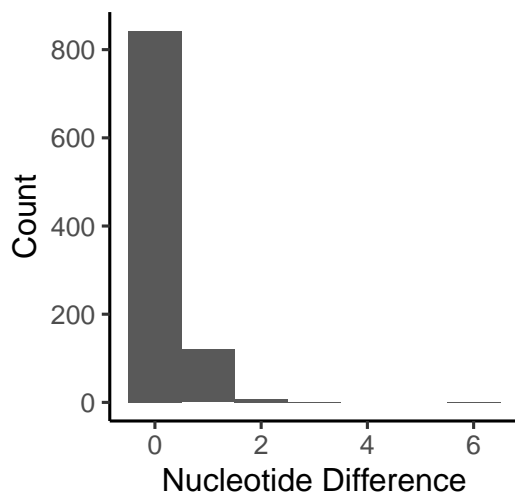


TRBV20-1*bp04_322GA323- Final 3 nucleotides as a triplet



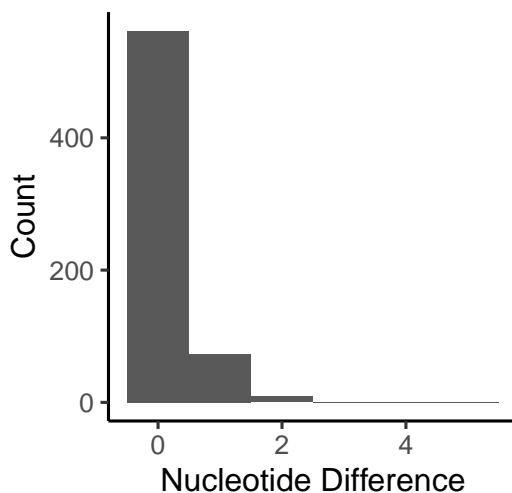
TRBV20–1*bp01

973 sequences assigned
843 (86.6%) exact matches, in which:
495 unique CDR3
14 unique J



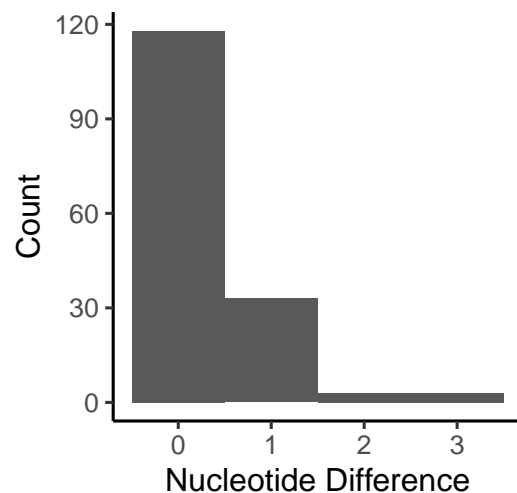
TRBV20–1*bp04_322GA:

647 sequences assigned
562 (86.9%) exact matches, in which:
373 unique CDR3
14 unique J



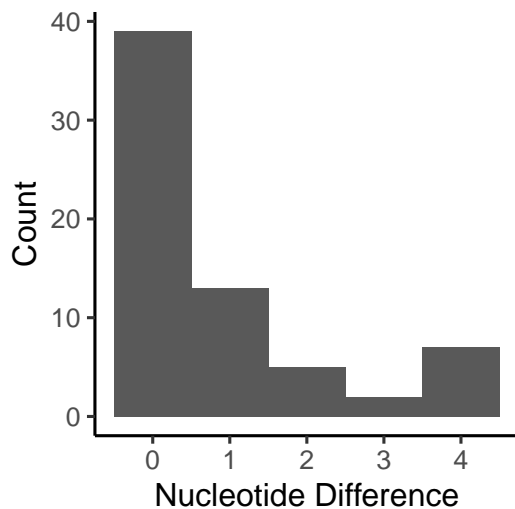
TRBV13*bp01

157 sequences assigned
118 (75.2%) exact matches, in which:
86 unique CDR3
11 unique J



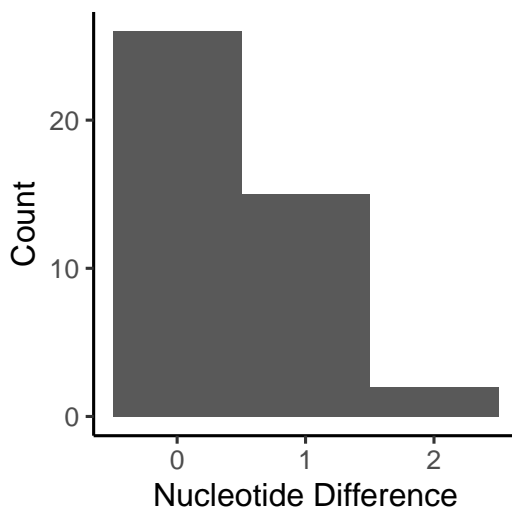
TRBV10–1*bp01

66 sequences assigned
39 (59.1%) exact matches, in which:
31 unique CDR3
13 unique J



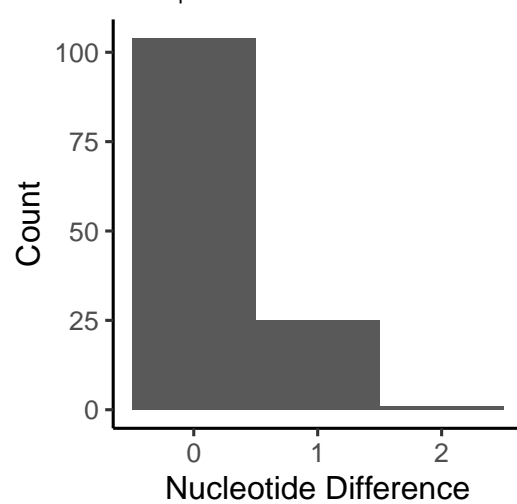
TRBV10–2*bp01

43 sequences assigned
26 (60.5%) exact matches, in which:
21 unique CDR3
7 unique J



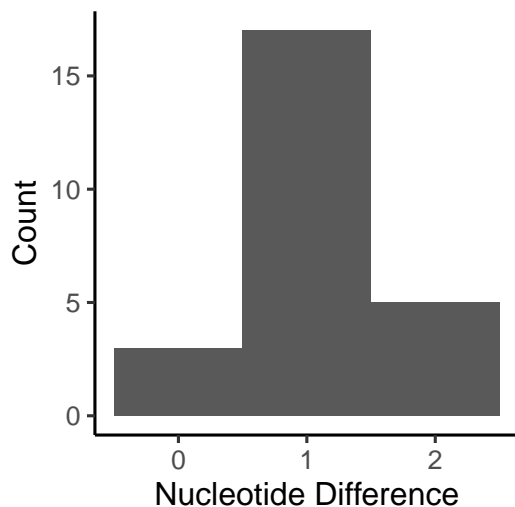
TRBV14*bp01

130 sequences assigned
104 (80%) exact matches, in which:
79 unique CDR3
14 unique J



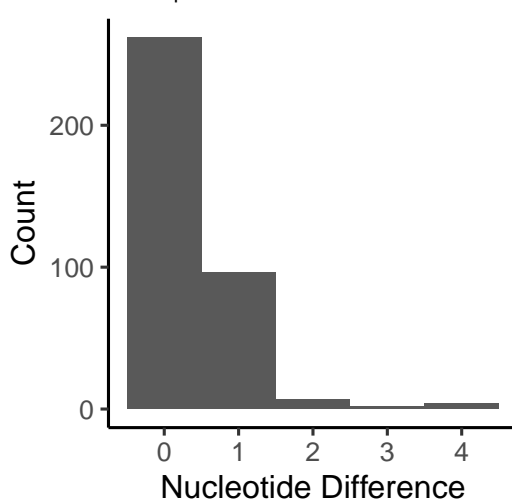
TRBV10–1*bp02

25 sequences assigned
3 (12%) exact matches, in which:
3 unique CDR3
2 unique J



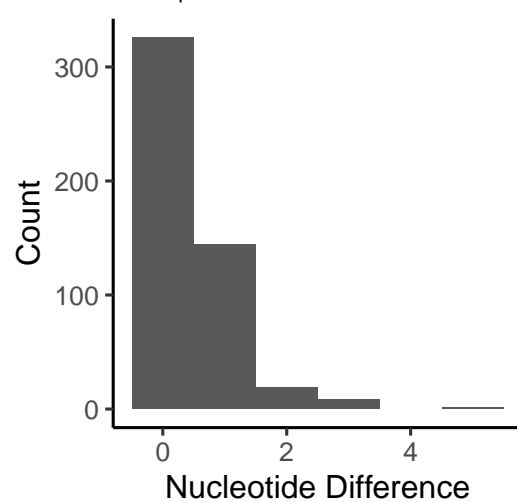
TRBV10–3*bp01

371 sequences assigned
262 (70.6%) exact matches, in which:
189 unique CDR3
13 unique J



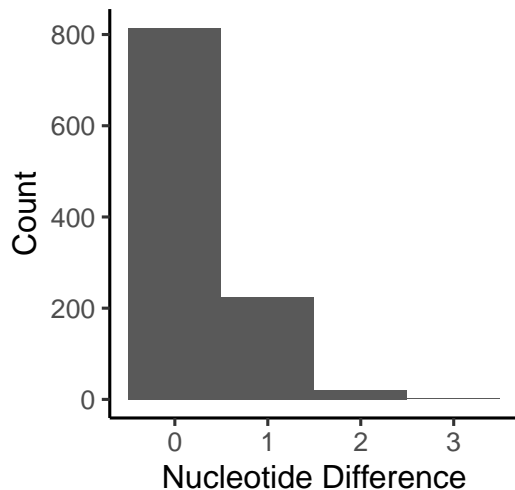
TRBV15*bp02

498 sequences assigned
326 (65.5%) exact matches, in which:
170 unique CDR3
13 unique J



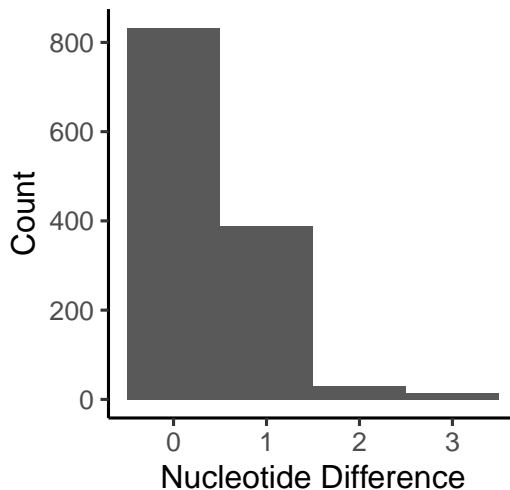
TRBV18*bp01

1062 sequences assigned
815 (76.7%) exact matches, in which:
386 unique CDR3
14 unique J



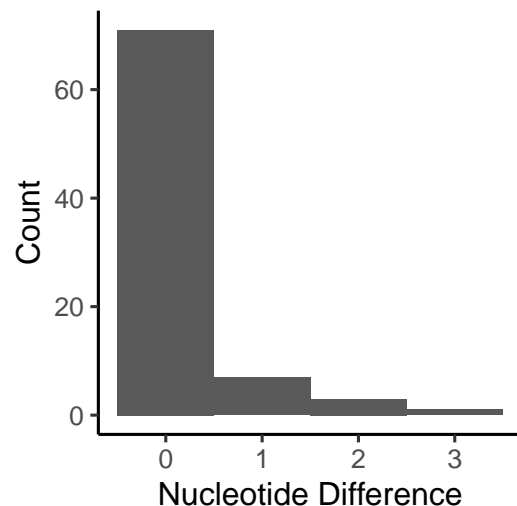
TRBV27*bp01

1265 sequences assigned
833 (65.8%) exact matches, in which:
616 unique CDR3
14 unique J



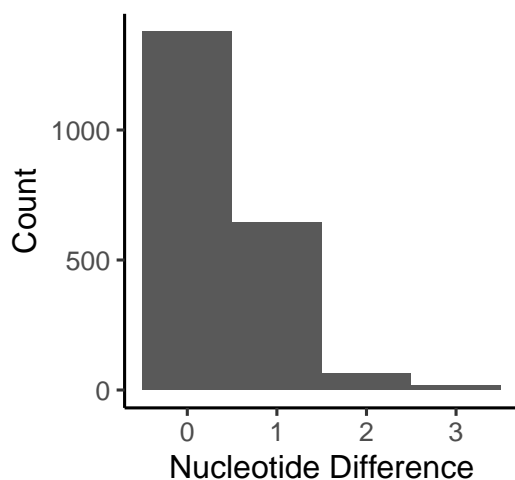
TRBV9*bp01

82 sequences assigned
71 (86.6%) exact matches, in which:
58 unique CDR3
11 unique J



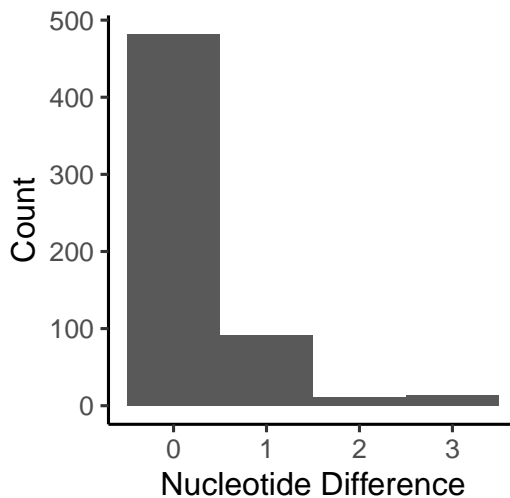
TRBV19*bp01

2104 sequences assigned
1378 (65.5%) exact matches, in which:
748 unique CDR3
14 unique J



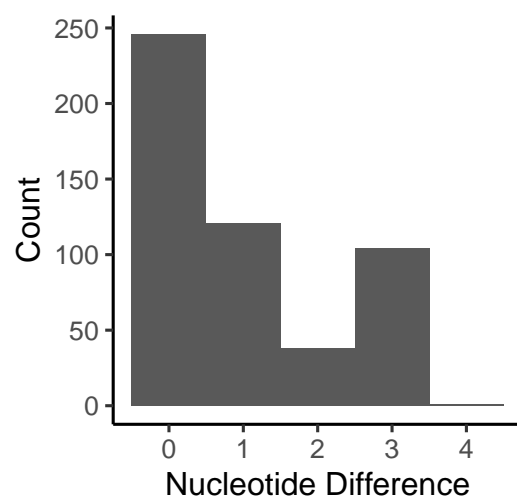
TRBV28*bp01

599 sequences assigned
482 (80.5%) exact matches, in which:
380 unique CDR3
14 unique J



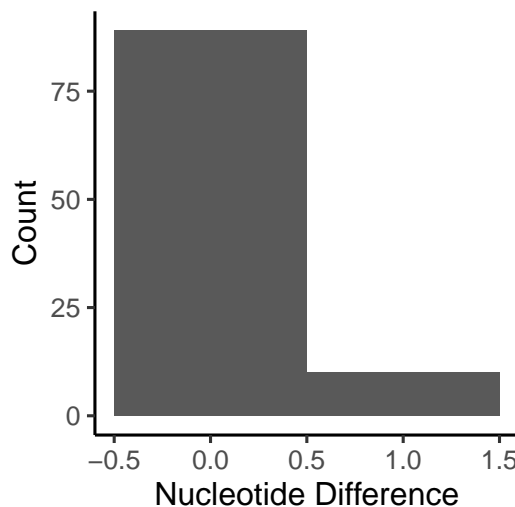
TRBV11-1*bp01

510 sequences assigned
246 (48.2%) exact matches, in which:
157 unique CDR3
13 unique J



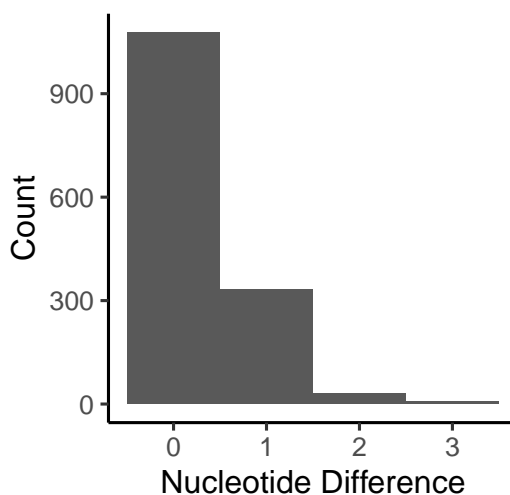
TRBV2*bp01

99 sequences assigned
89 (89.9%) exact matches, in which:
83 unique CDR3
13 unique J



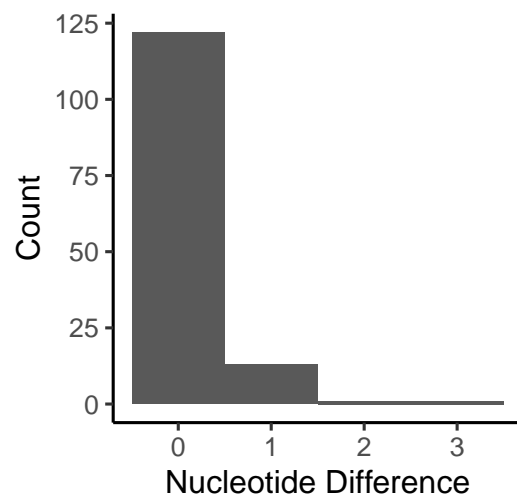
TRBV30*bp01

1448 sequences assigned
1078 (74.4%) exact matches, in which:
411 unique CDR3
14 unique J



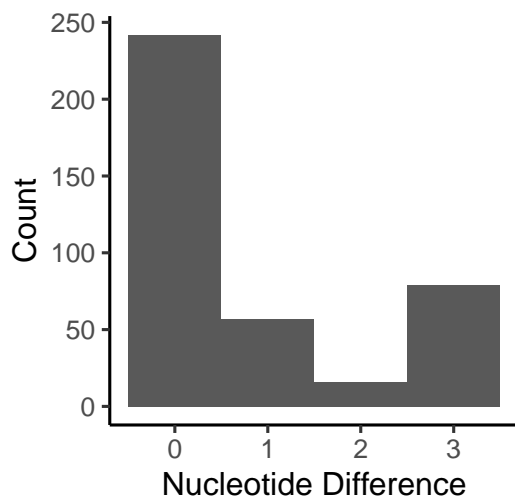
TRBV21-1*bp01

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



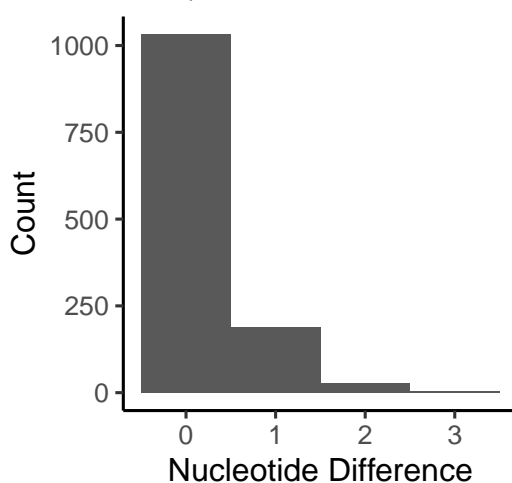
TRBV11–2*bp01

394 sequences assigned
242 (61.4%) exact matches, in which:
177 unique CDR3
13 unique J



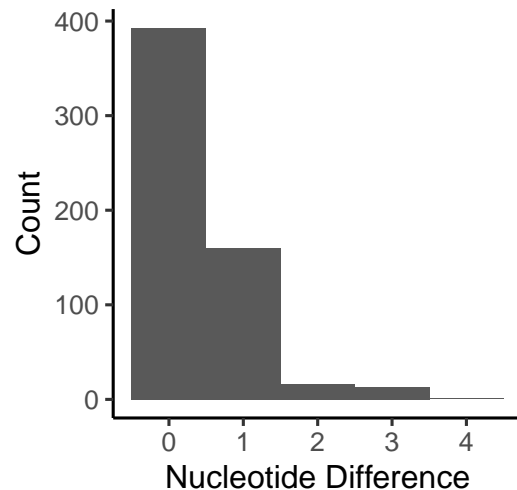
TRBV12–34*bp01

1254 sequences assigned
1032 (82.3%) exact matches, in which:
474 unique CDR3
14 unique J



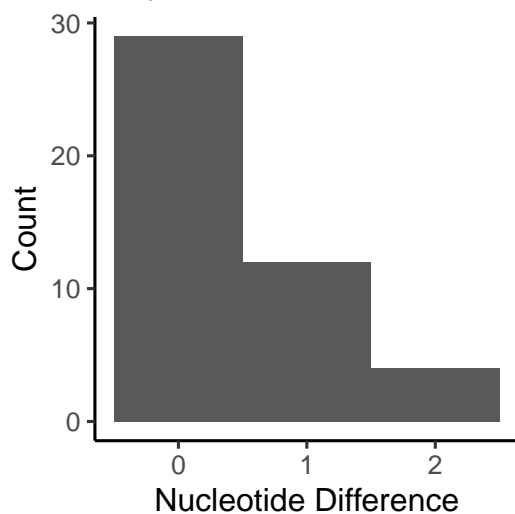
TRBV24–1*bp01

583 sequences assigned
393 (67.4%) exact matches, in which:
269 unique CDR3
14 unique J



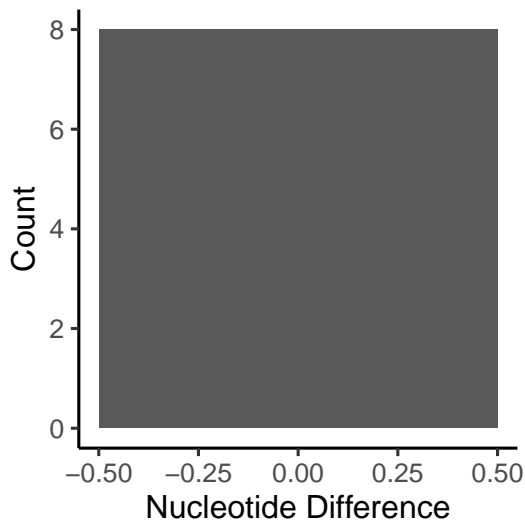
TRBV11–3*bp01

45 sequences assigned
29 (64.4%) exact matches, in which:
21 unique CDR3
8 unique J



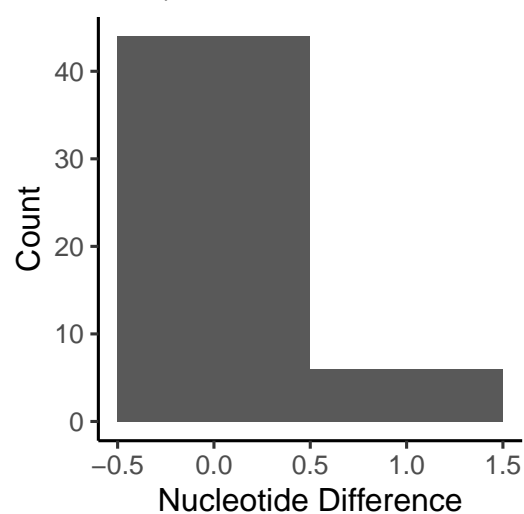
TRBV23–1*bp01

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



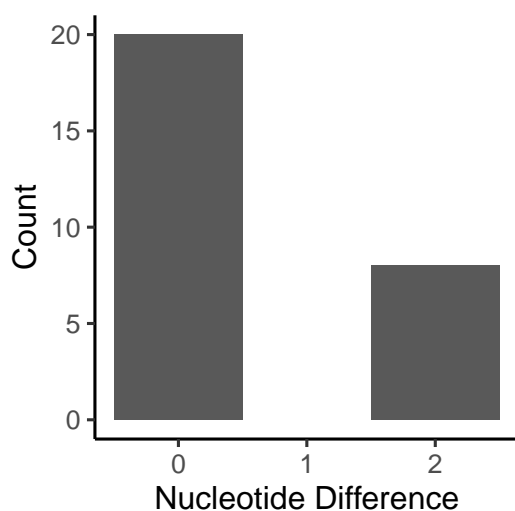
TRBV4–1*bp01

50 sequences assigned
44 (88%) exact matches, in which:
38 unique CDR3
11 unique J



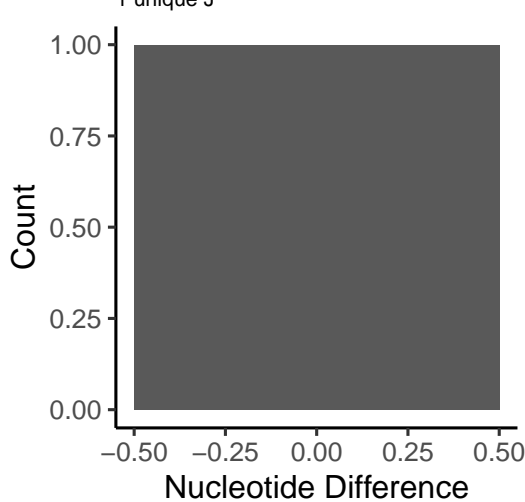
TRBV12–5*bp01

28 sequences assigned
20 (71.4%) exact matches, in which:
15 unique CDR3
9 unique J



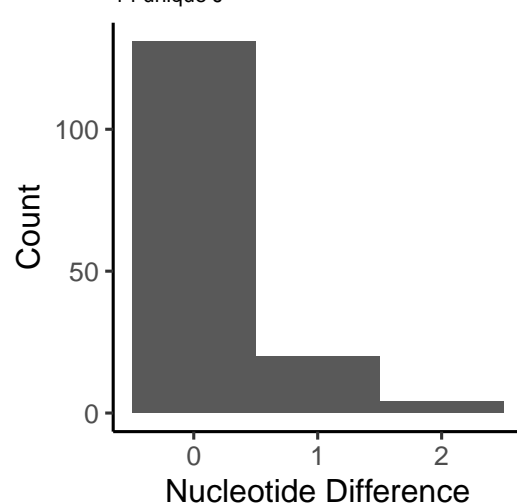
TRBV3–2*bp02

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



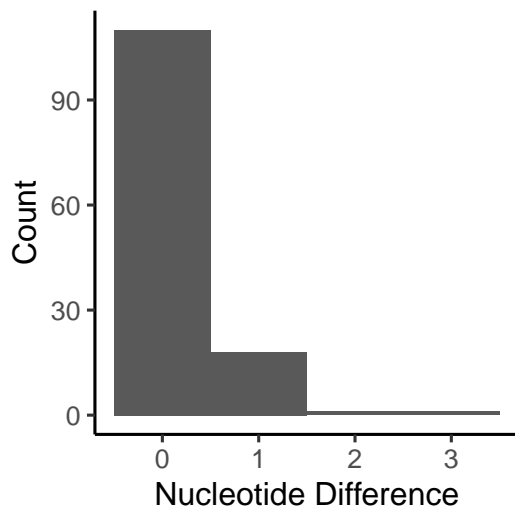
TRBV4–2*bp01

155 sequences assigned
131 (84.5%) exact matches, in which:
100 unique CDR3
14 unique J



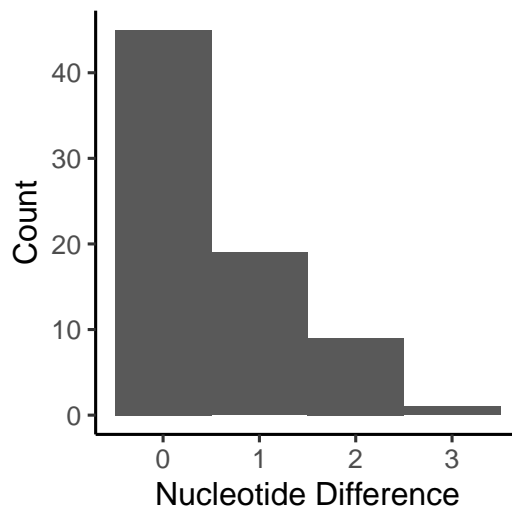
TRBV4-3*bp01

130 sequences assigned
110 (84.6%) exact matches, in which:
88 unique CDR3
11 unique J



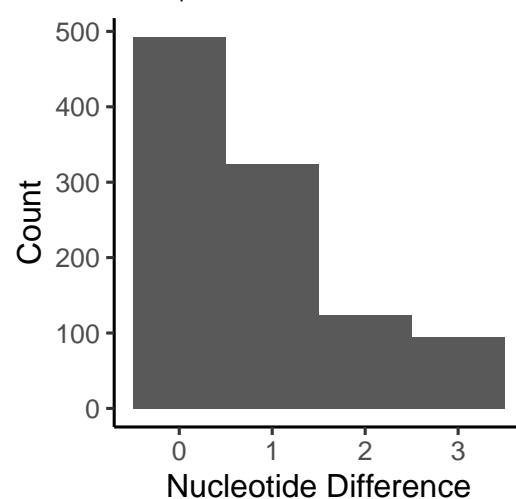
TRBV5-3*bp01

74 sequences assigned
45 (60.8%) exact matches, in which:
30 unique CDR3
9 unique J



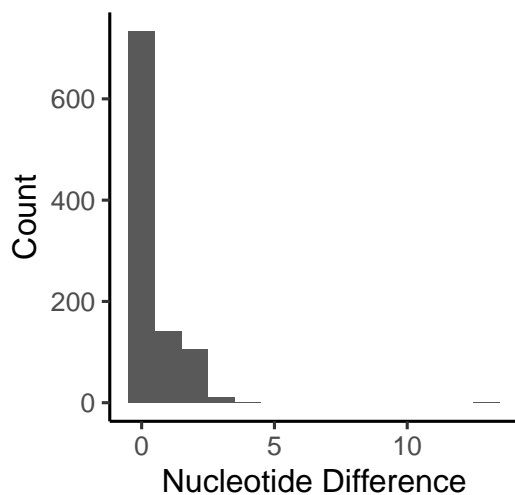
TRBV5-6*bp01

1036 sequences assigned
493 (47.6%) exact matches, in which:
273 unique CDR3
14 unique J



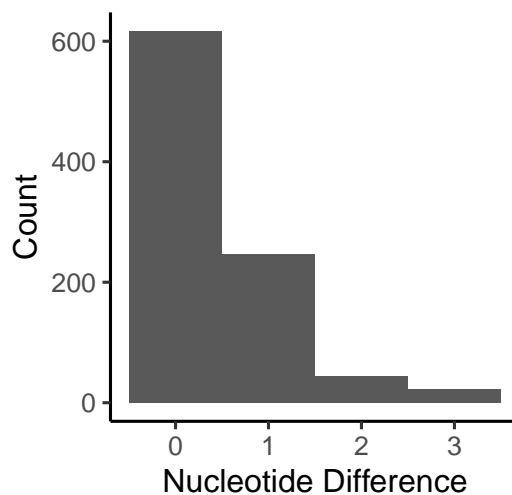
TRBV5-1*bp01

995 sequences assigned
734 (73.8%) exact matches, in which:
456 unique CDR3
14 unique J



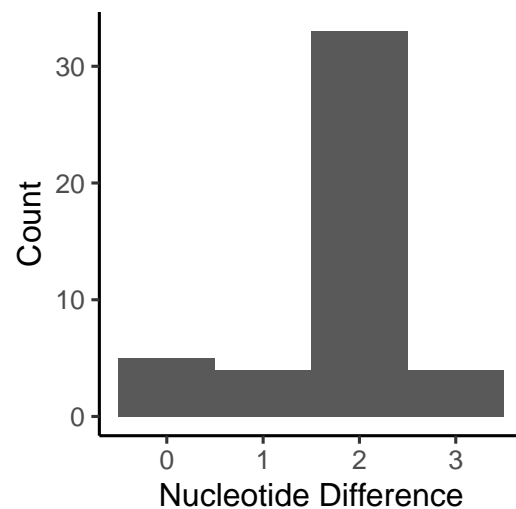
TRBV5-4*bp01

930 sequences assigned
617 (66.3%) exact matches, in which:
349 unique CDR3
14 unique J



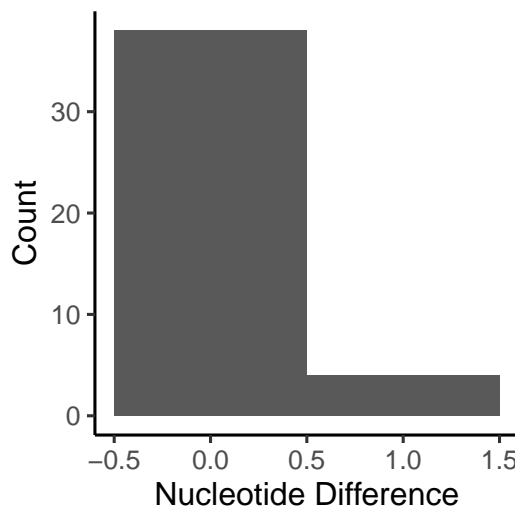
TRBV5-7*bp01

46 sequences assigned
5 (10.9%) exact matches, in which:
2 unique CDR3
2 unique J



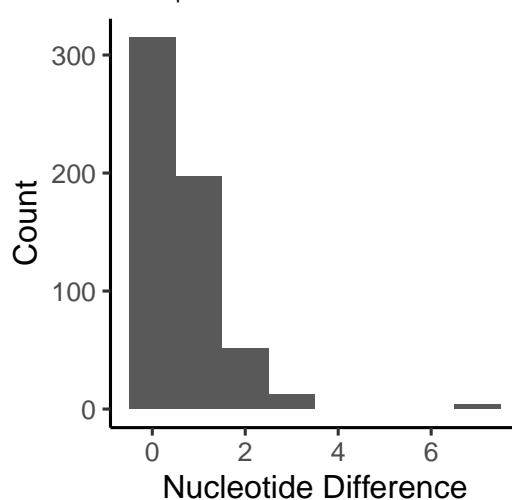
TRBV25-1*bp01

42 sequences assigned
38 (90.5%) exact matches, in which:
23 unique CDR3
8 unique J



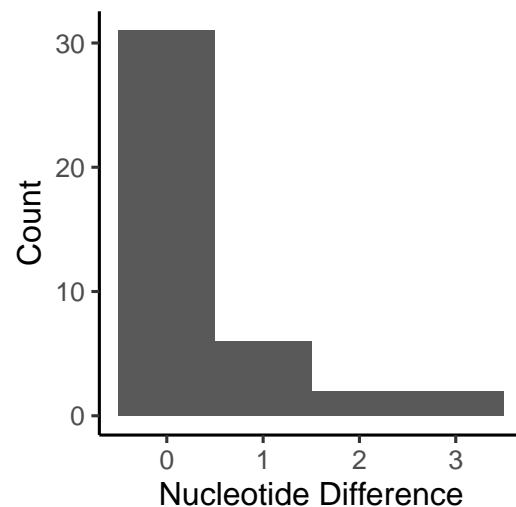
TRBV5-5*bp01

579 sequences assigned
315 (54.4%) exact matches, in which:
181 unique CDR3
13 unique J



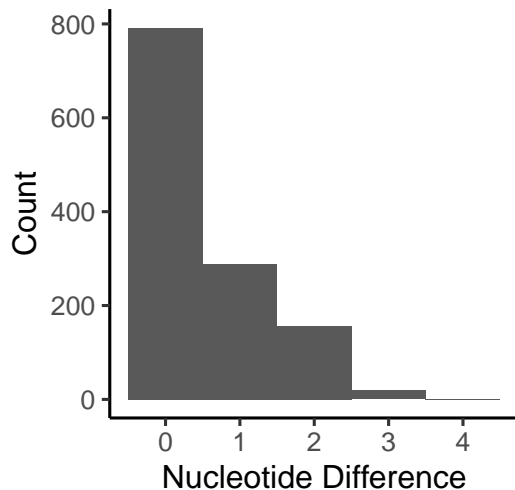
TRBV5-8*bp01

41 sequences assigned
31 (75.6%) exact matches, in which:
23 unique CDR3
11 unique J



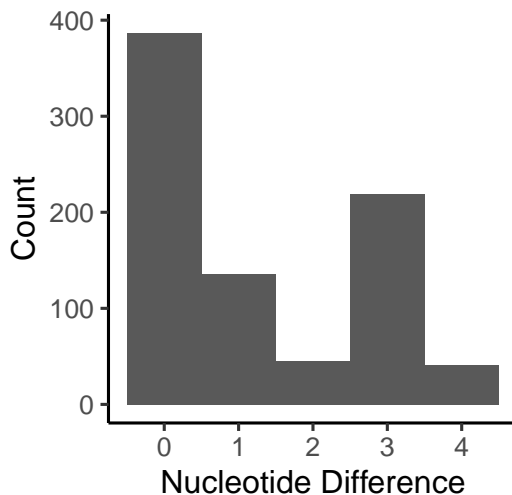
TRBV6-1*bp01

1256 sequences assigned
792 (63.1%) exact matches, in which:
594 unique CDR3
14 unique J



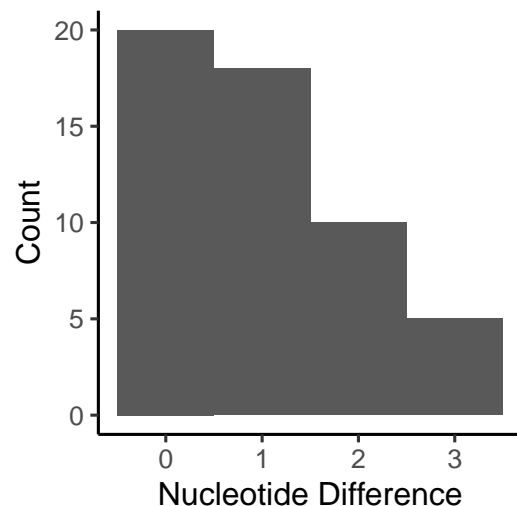
TRBV6-6*bp01

828 sequences assigned
387 (46.7%) exact matches, in which:
315 unique CDR3
14 unique J



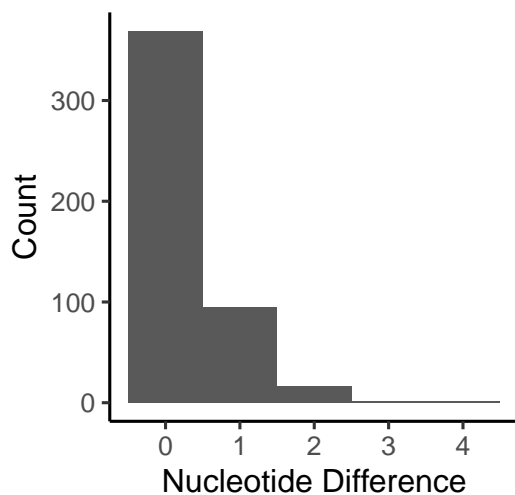
TRBV6-9*bp01

53 sequences assigned
20 (37.7%) exact matches, in which:
15 unique CDR3
6 unique J



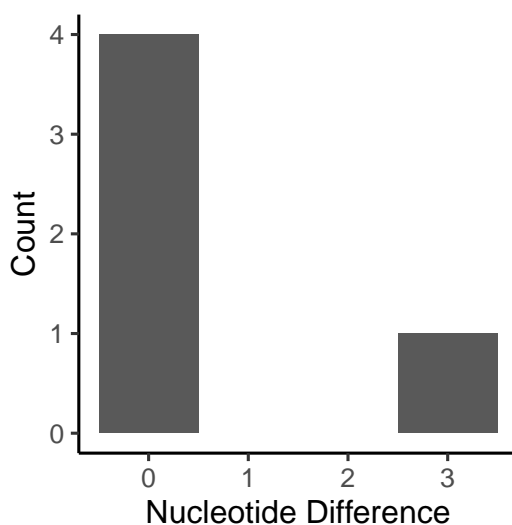
TRBV6-4*bp01

482 sequences assigned
369 (76.6%) exact matches, in which:
230 unique CDR3
14 unique J



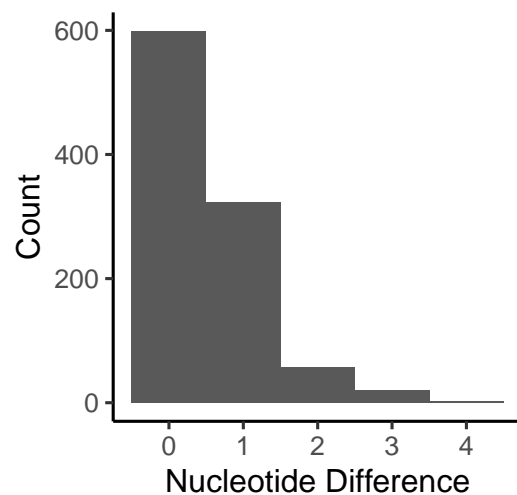
TRBV6-7*bp01

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



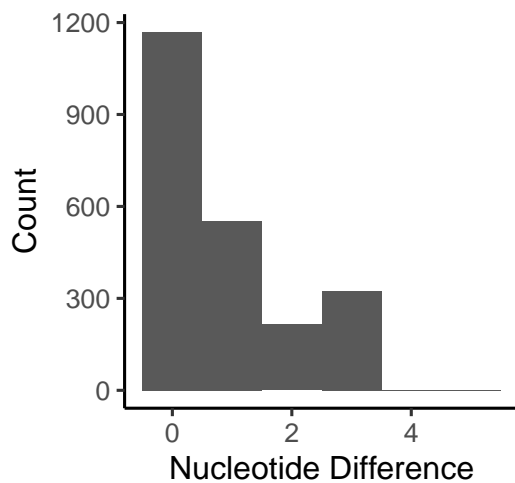
TRBV6-23*bp01

1001 sequences assigned
599 (59.8%) exact matches, in which:
419 unique CDR3
14 unique J



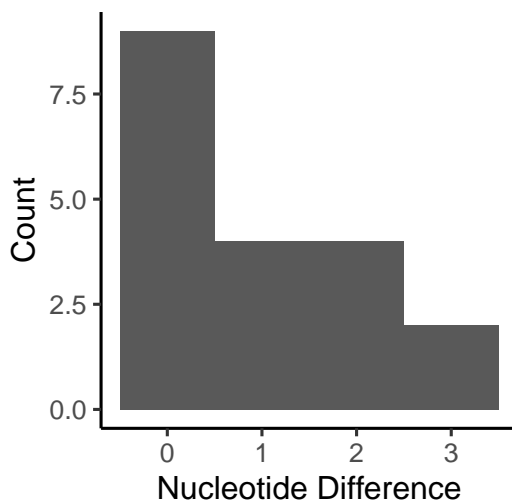
TRBV6-5*bp01

2264 sequences assigned
1169 (51.6%) exact matches, in which:
836 unique CDR3
14 unique J



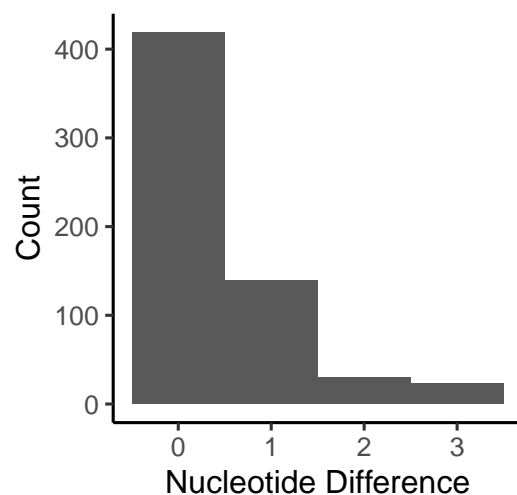
TRBV6-8*bp01

19 sequences assigned
9 (47.4%) exact matches, in which:
5 unique CDR3
2 unique J



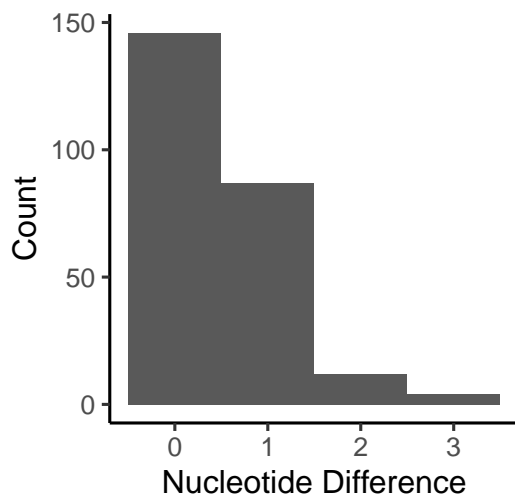
TRBV7-2*bp01

611 sequences assigned
419 (68.6%) exact matches, in which:
255 unique CDR3
14 unique J



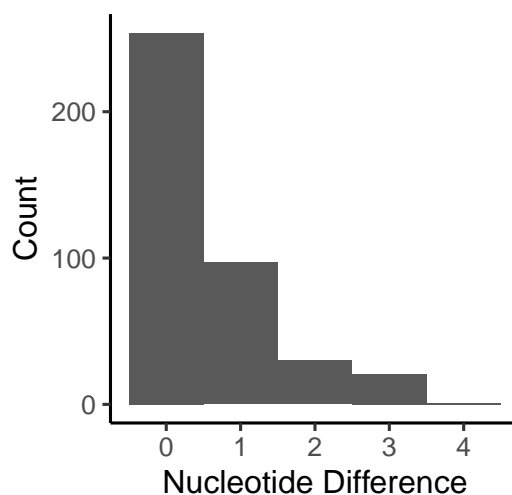
TRBV7-2*bp02

249 sequences assigned
146 (58.6%) exact matches, in which:
90 unique CDR3
13 unique J



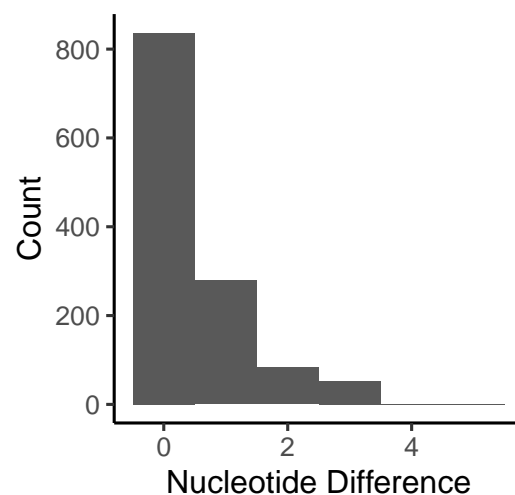
TRBV7-6*bp01

403 sequences assigned
254 (63%) exact matches, in which:
135 unique CDR3
12 unique J



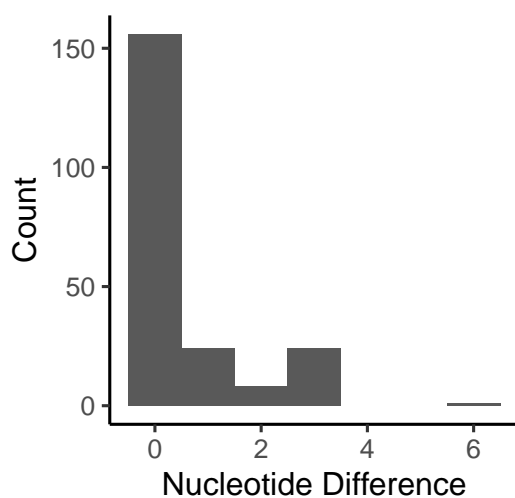
TRBV7-9*bp01

1254 sequences assigned
837 (66.7%) exact matches, in which:
466 unique CDR3
14 unique J



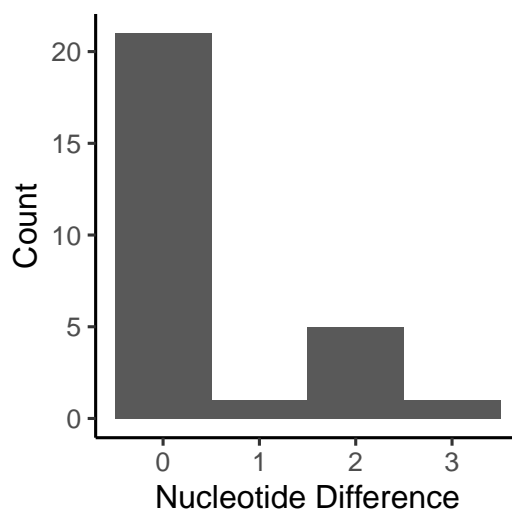
TRBV7-3*bp01

213 sequences assigned
156 (73.2%) exact matches, in which:
110 unique CDR3
13 unique J



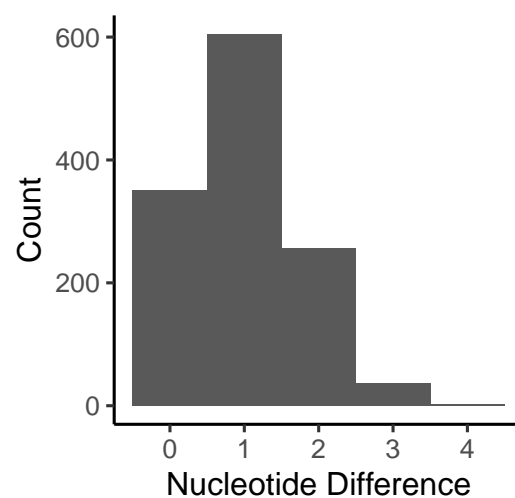
TRBV7-7*bp01

28 sequences assigned
21 (75%) exact matches, in which:
14 unique CDR3
6 unique J



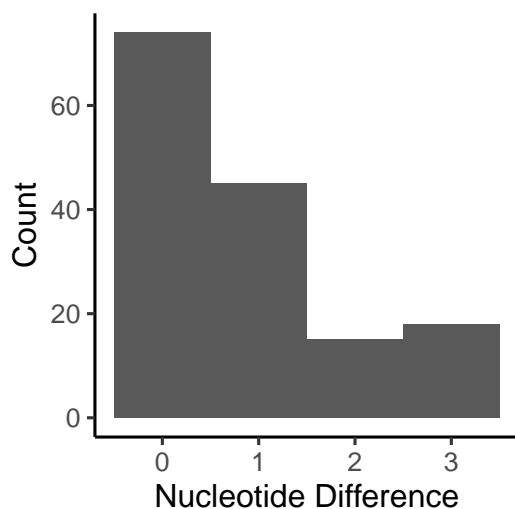
TRBV29-1*bp01

1251 sequences assigned
350 (28%) exact matches, in which:
221 unique CDR3
13 unique J



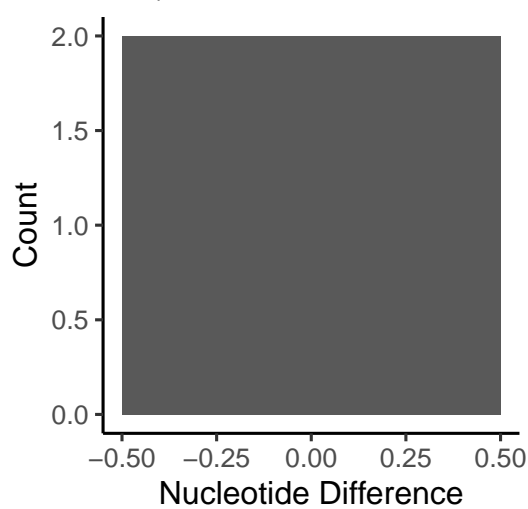
TRBV7-4*bp01

152 sequences assigned
74 (48.7%) exact matches, in which:
40 unique CDR3
11 unique J



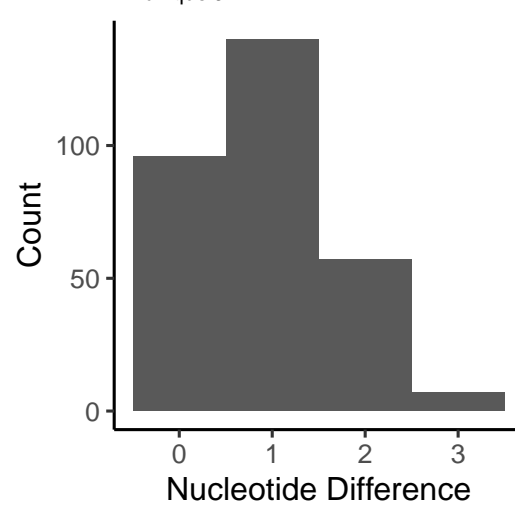
TRBV7-8*bp01

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

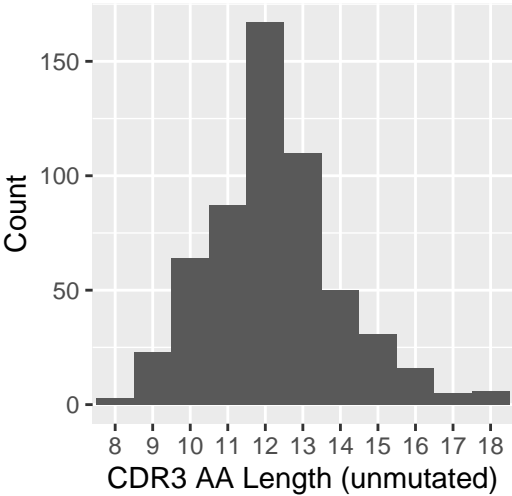


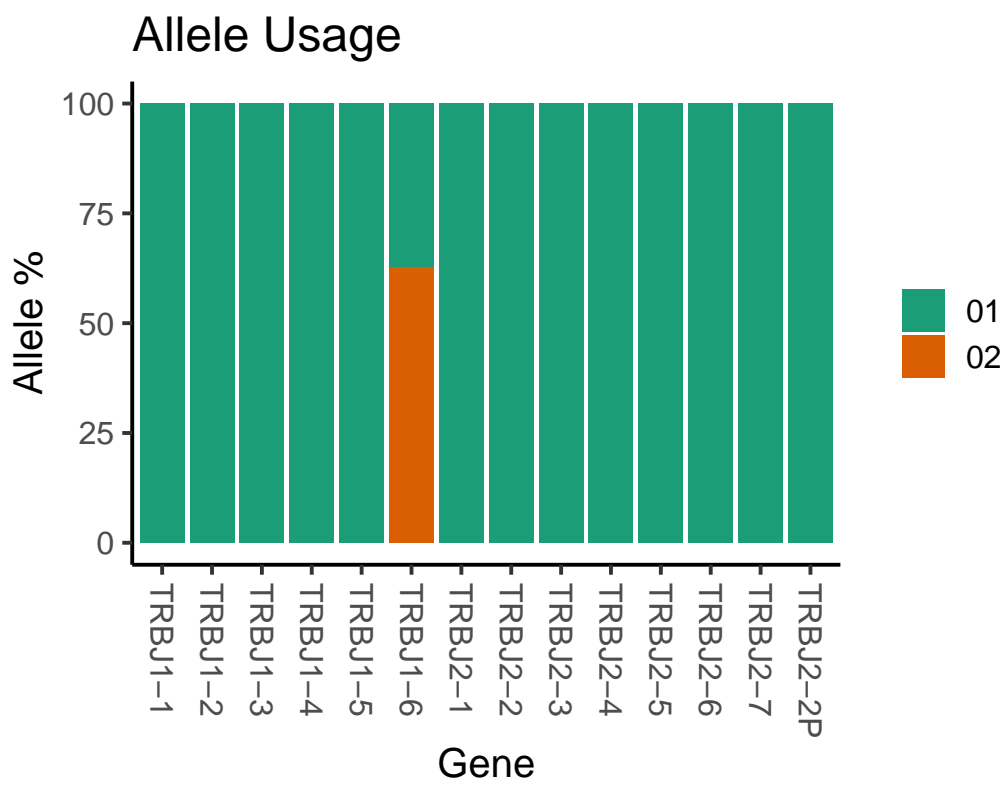
TRBV29-1*bp03

300 sequences assigned
96 (32%) exact matches, in which:
60 unique CDR3
11 unique J



TRBV20-1*bp04_322GA323





Sequence Count by TRBJ1–6 allele usage

