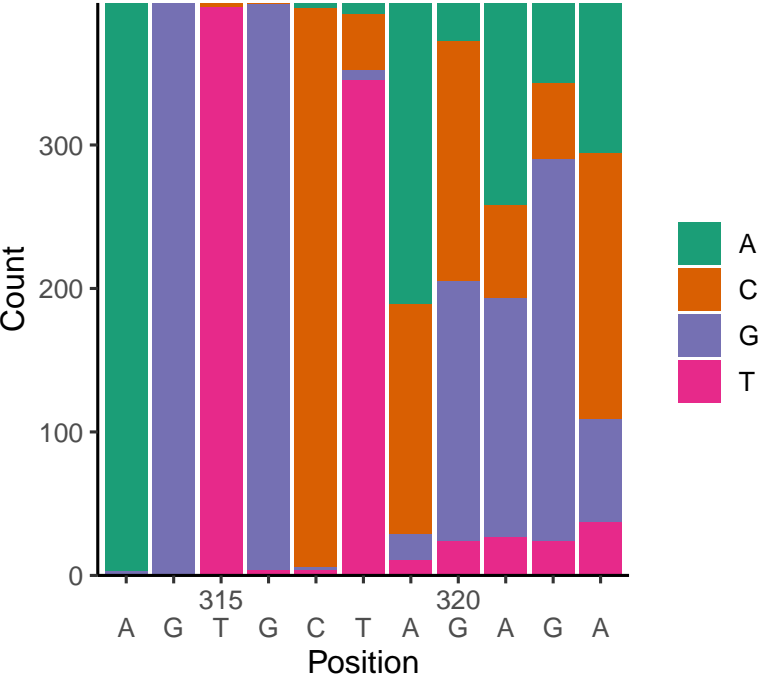


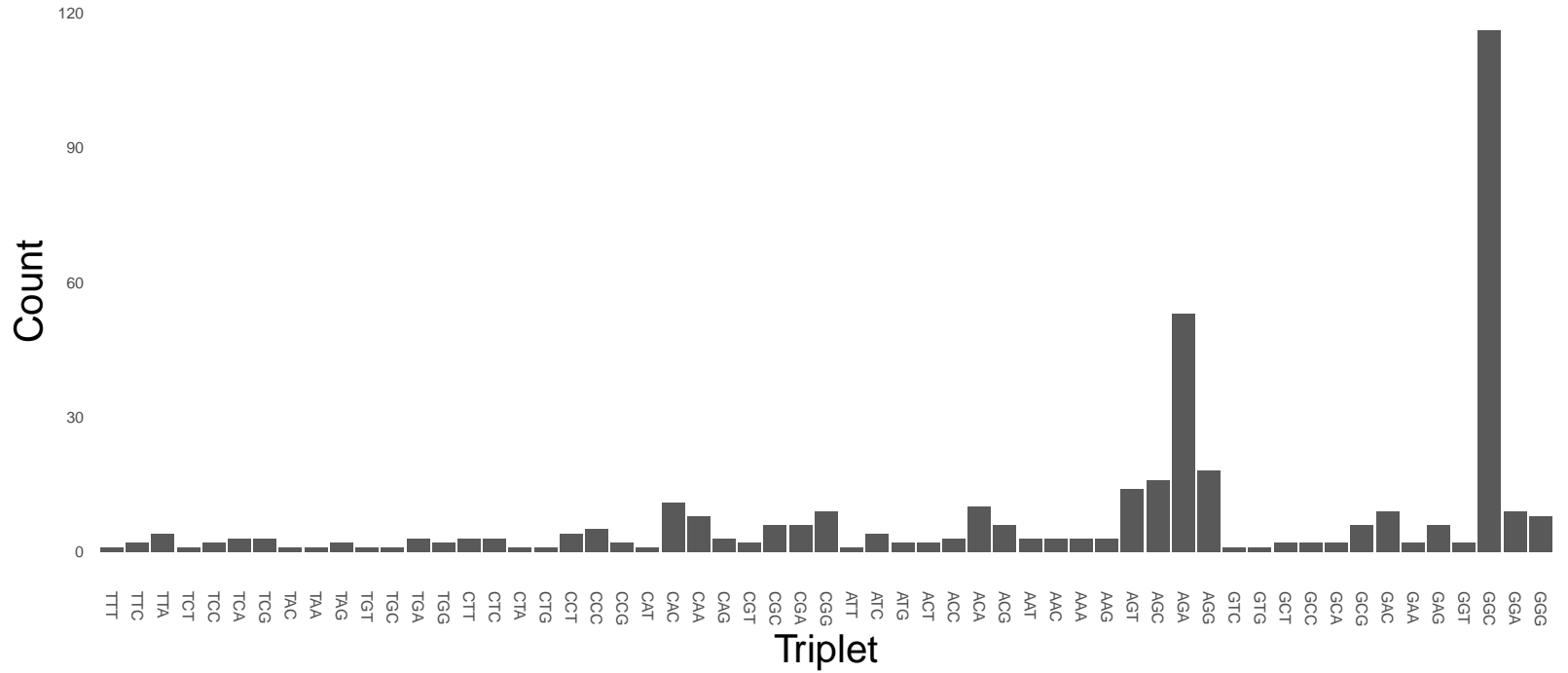
Gene TRBV20-1*bp04_322GA323



Gene TRBV20-1*bp04_322GA323

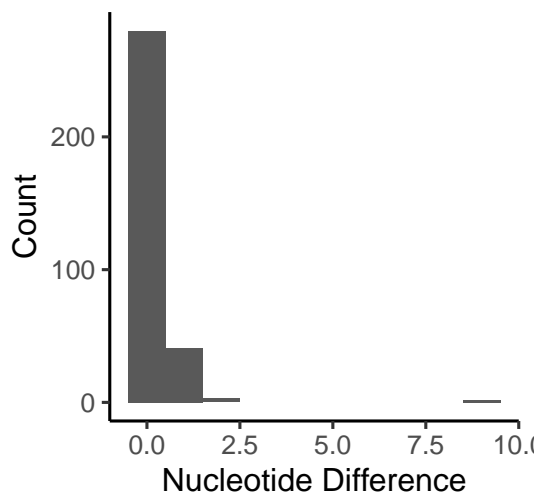


TRBV20-1*bp04_322GA323- Final 3 nucleotides as a triplet



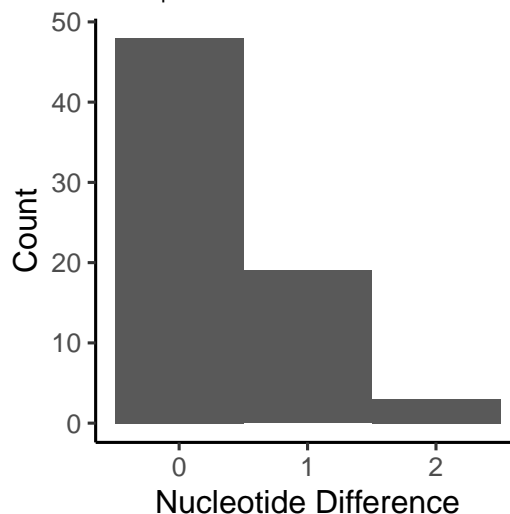
TRBV20–1*bp01

326 sequences assigned
280 (85.9%) exact matches, in which:
223 unique CDR3
13 unique J



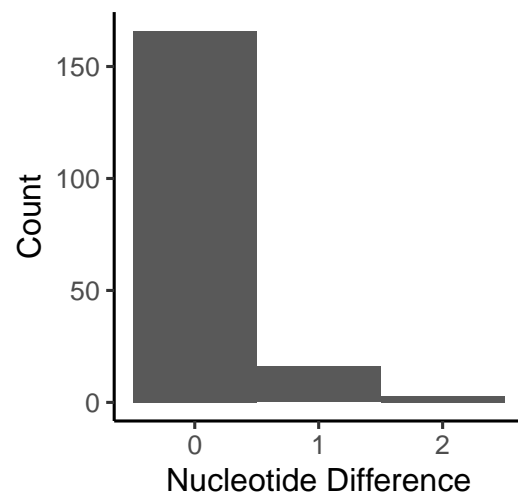
TRBV10–2*bp01

70 sequences assigned
48 (68.6%) exact matches, in which:
40 unique CDR3
10 unique J



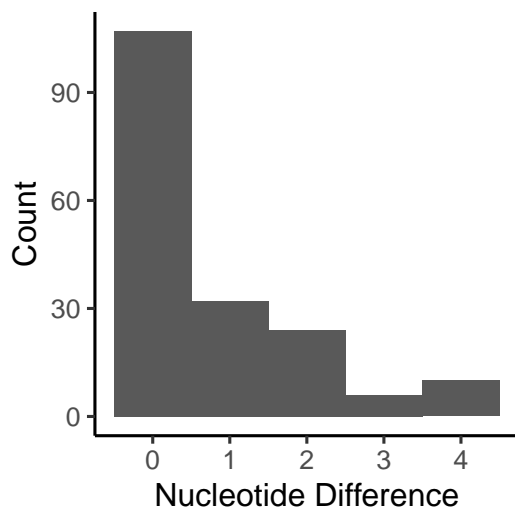
TRBV14*bp01

185 sequences assigned
166 (89.7%) exact matches, in which:
119 unique CDR3
12 unique J



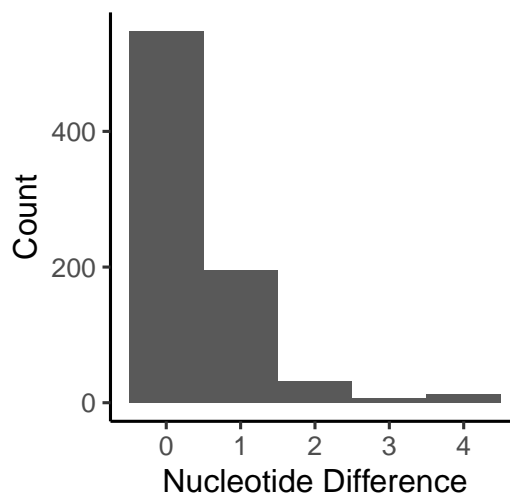
TRBV10–1*bp01

179 sequences assigned
107 (59.8%) exact matches, in which:
83 unique CDR3
13 unique J



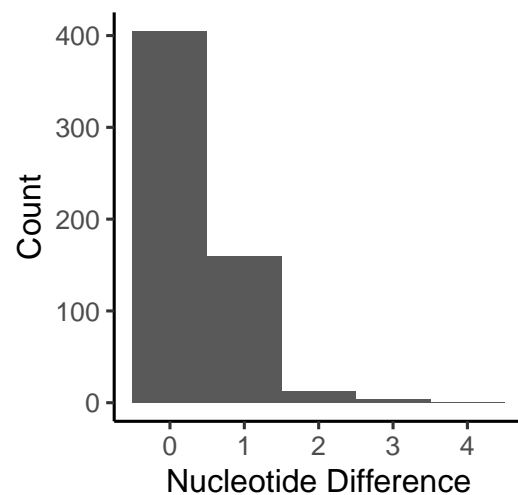
TRBV10–3*bp01

792 sequences assigned
548 (69.2%) exact matches, in which:
385 unique CDR3
13 unique J



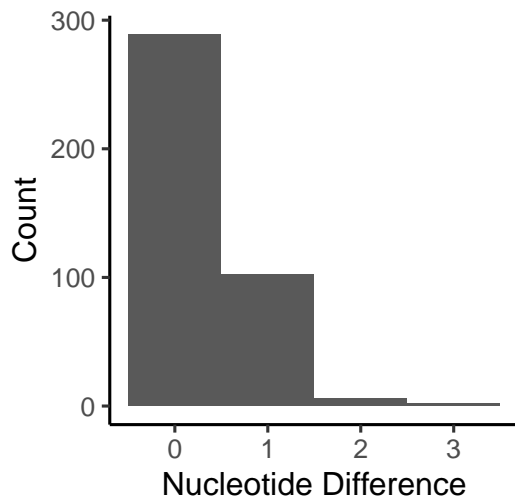
TRBV15*bp02

583 sequences assigned
405 (69.5%) exact matches, in which:
208 unique CDR3
12 unique J



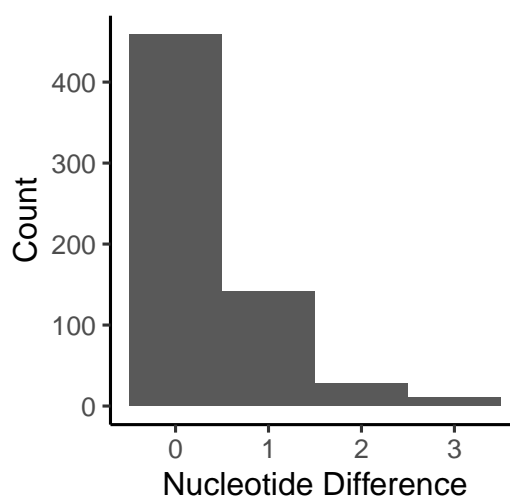
TRBV20–1*bp04_322GA:

399 sequences assigned
289 (72.4%) exact matches, in which:
231 unique CDR3
13 unique J



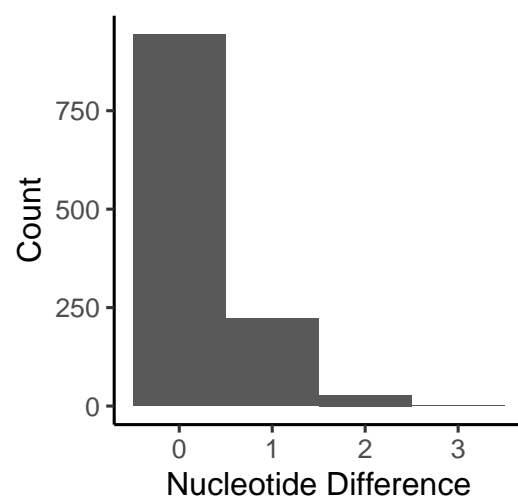
TRBV13*bp01

638 sequences assigned
459 (71.9%) exact matches, in which:
330 unique CDR3
13 unique J



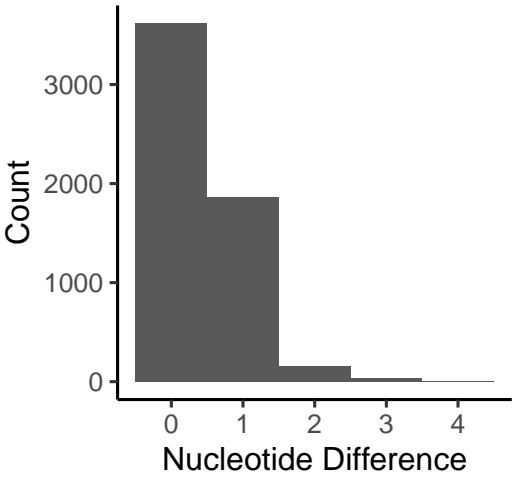
TRBV18*bp01

1197 sequences assigned
944 (78.9%) exact matches, in which:
438 unique CDR3
13 unique J



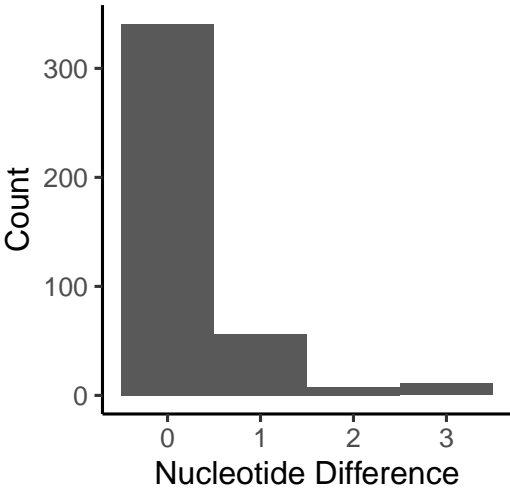
TRBV19*bp01

5678 sequences assigned
3617 (63.7%) exact matches, in which:
1818 unique CDR3
13 unique J



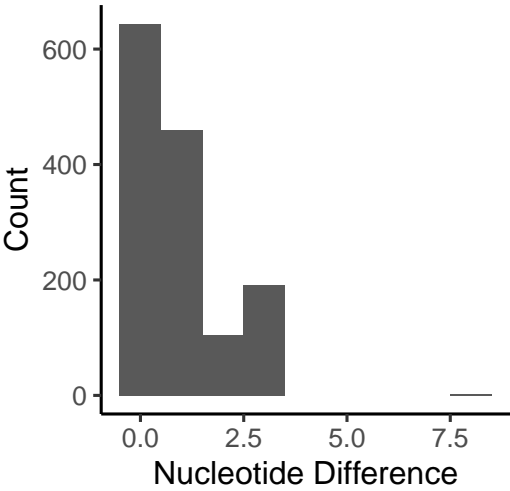
TRBV28*bp01

416 sequences assigned
341 (82%) exact matches, in which:
275 unique CDR3
13 unique J



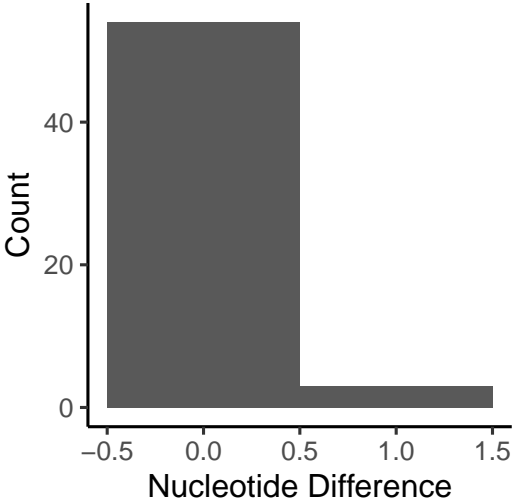
TRBV11-1*bp01

1401 sequences assigned
644 (46%) exact matches, in which:
449 unique CDR3
13 unique J



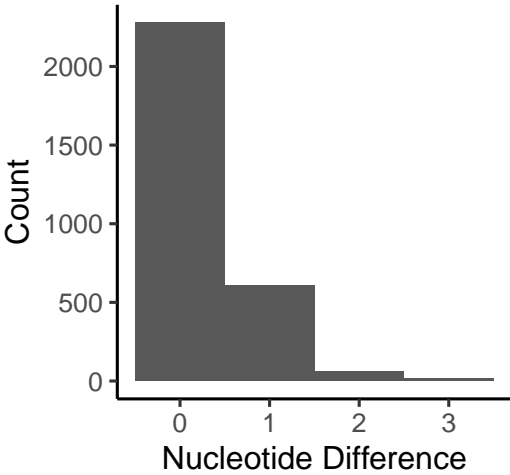
TRBV2*bp01

57 sequences assigned
54 (94.7%) exact matches, in which:
52 unique CDR3
10 unique J



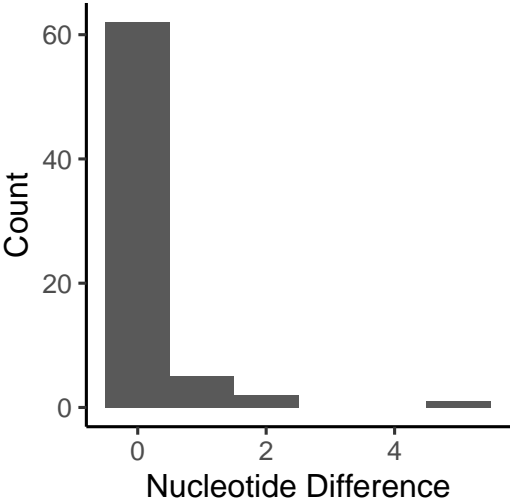
TRBV30*bp01

2957 sequences assigned
2278 (77%) exact matches, in which:
886 unique CDR3
13 unique J



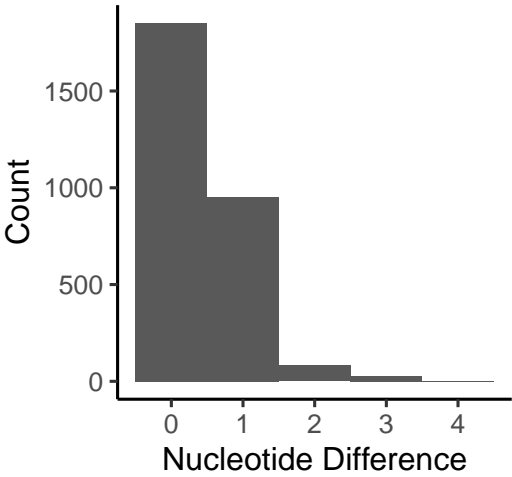
TRBV21-1*bp01

70 sequences assigned
62 (88.6%) exact matches, in which:
56 unique CDR3
9 unique J



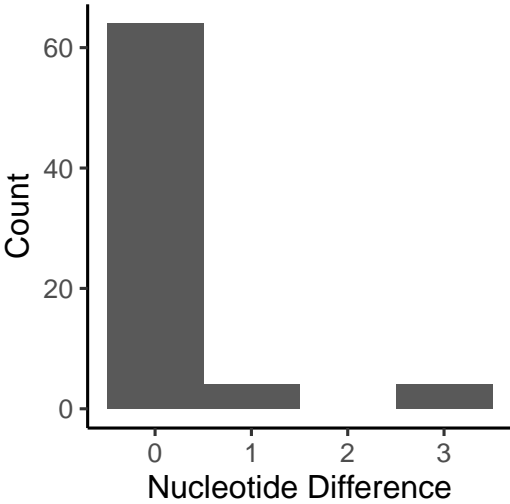
TRBV27*bp01

2913 sequences assigned
1851 (63.5%) exact matches, in which:
1303 unique CDR3
13 unique J



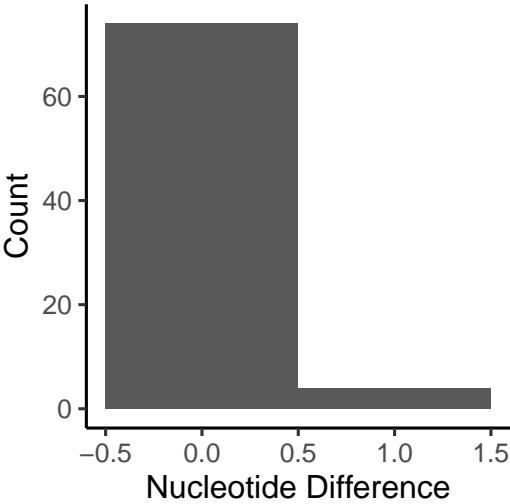
TRBV9*bp01

72 sequences assigned
64 (88.9%) exact matches, in which:
59 unique CDR3
10 unique J



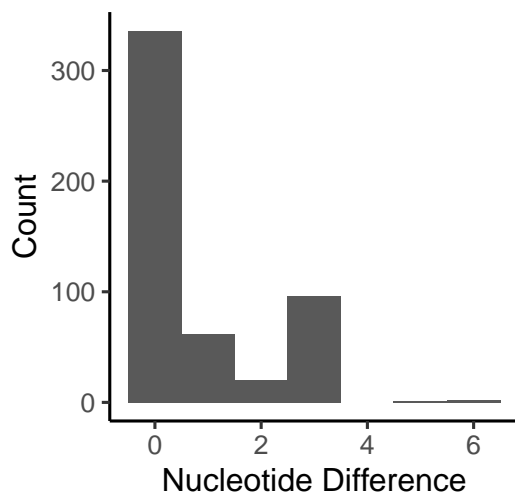
TRBV21-1*bp02

78 sequences assigned
74 (94.9%) exact matches, in which:
65 unique CDR3
13 unique J



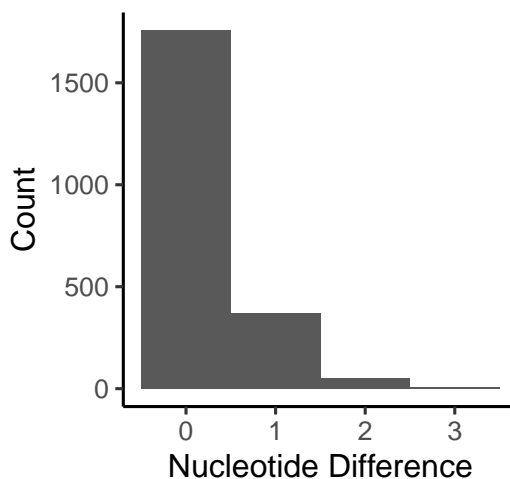
TRBV11–2*bp01

517 sequences assigned
336 (65%) exact matches, in which:
237 unique CDR3
13 unique J



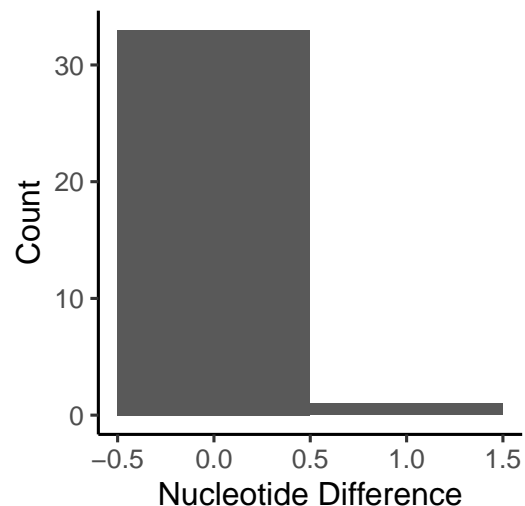
TRBV12–34*bp01

2182 sequences assigned
1757 (80.5%) exact matches, in which:
863 unique CDR3
13 unique J



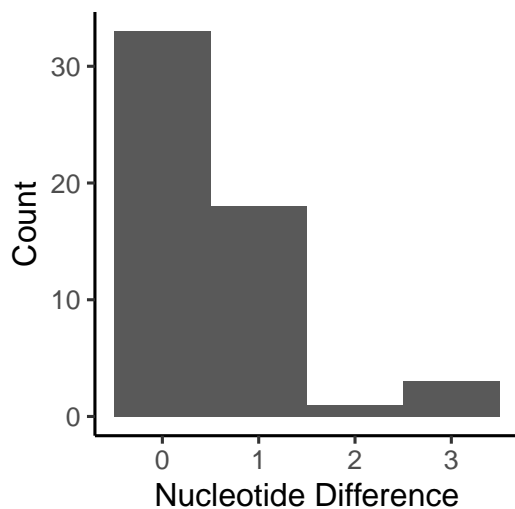
TRBV4–1*bp01

34 sequences assigned
33 (97.1%) exact matches, in which:
31 unique CDR3
12 unique J



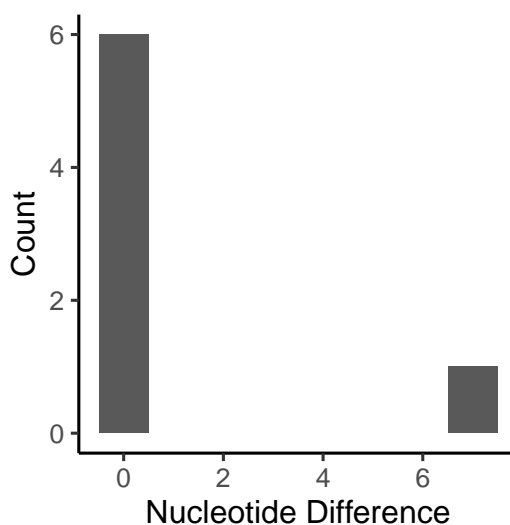
TRBV11–3*bp01

55 sequences assigned
33 (60%) exact matches, in which:
25 unique CDR3
10 unique J



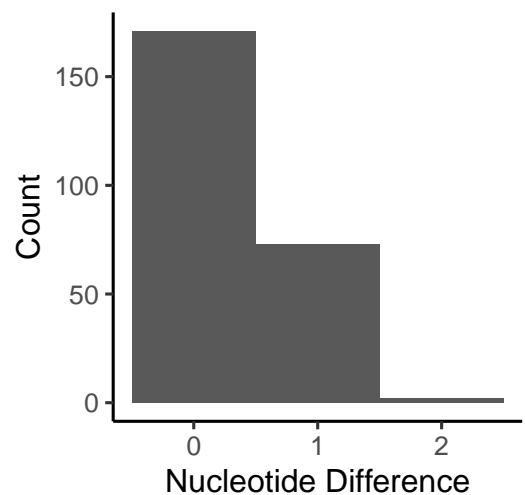
TRBV23–1*bp01

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



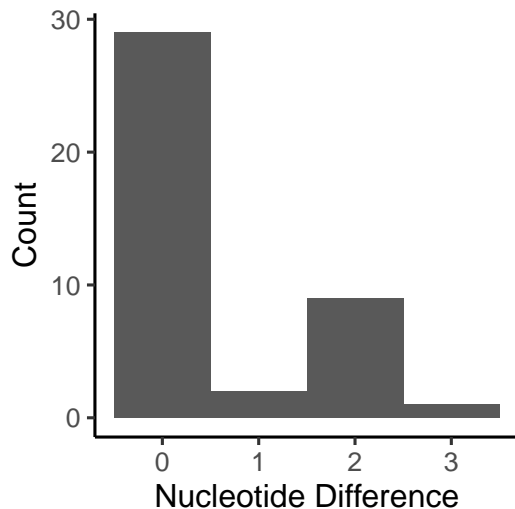
TRBV24–1*bp02

246 sequences assigned
171 (69.5%) exact matches, in which:
134 unique CDR3
13 unique J



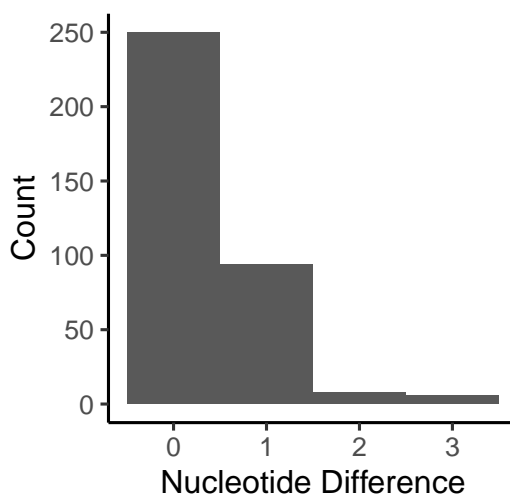
TRBV12–5*bp01

41 sequences assigned
29 (70.7%) exact matches, in which:
26 unique CDR3
10 unique J



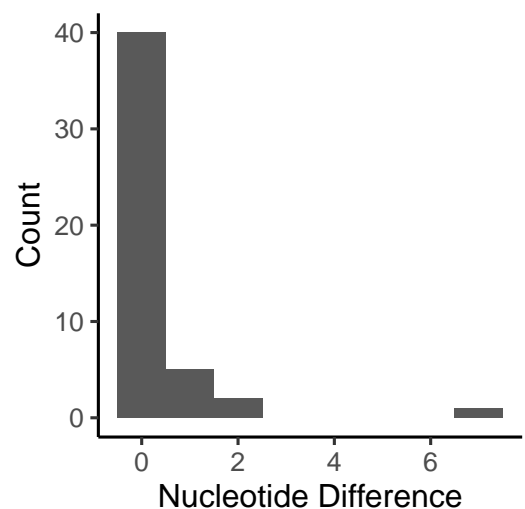
TRBV24–1*bp01

358 sequences assigned
250 (69.8%) exact matches, in which:
166 unique CDR3
13 unique J



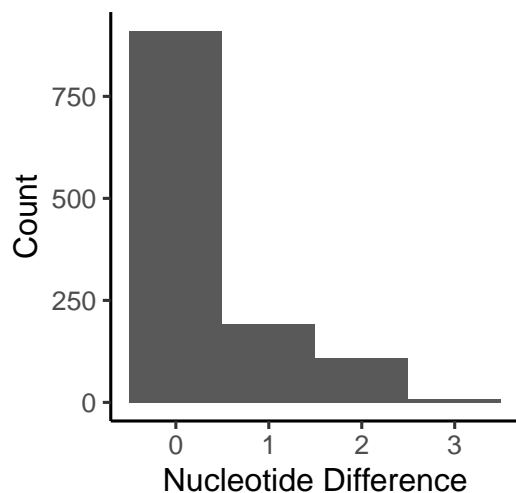
TRBV4–2*bp01

48 sequences assigned
40 (83.3%) exact matches, in which:
35 unique CDR3
10 unique J



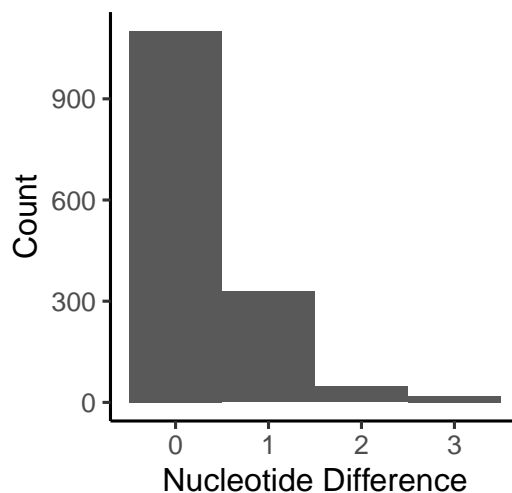
TRBV5-1*bp01

1219 sequences assigned
911 (74.7%) exact matches, in which:
608 unique CDR3
13 unique J



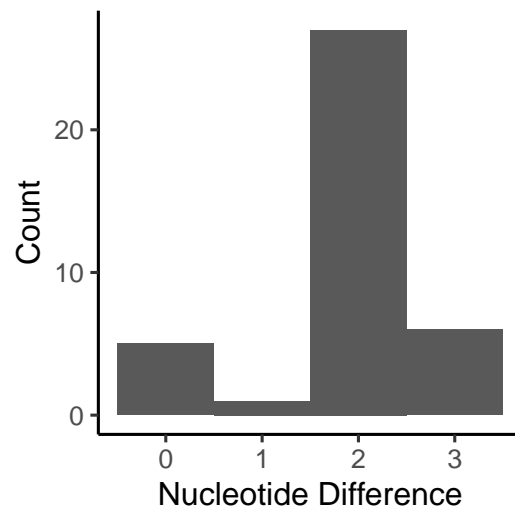
TRBV5-4*bp01

1497 sequences assigned
1102 (73.6%) exact matches, in which:
614 unique CDR3
13 unique J



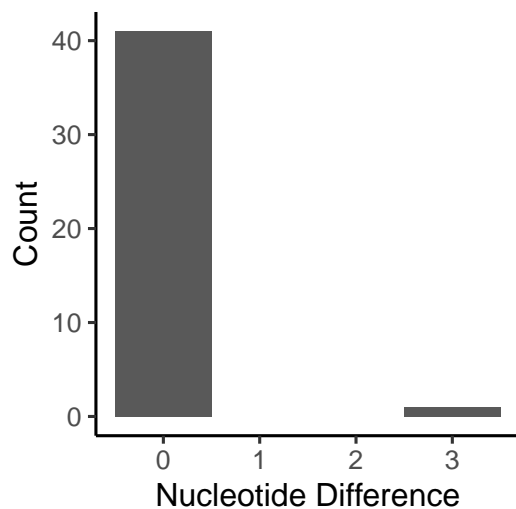
TRBV5-7*bp01

39 sequences assigned
5 (12.8%) exact matches, in which:
4 unique CDR3
4 unique J



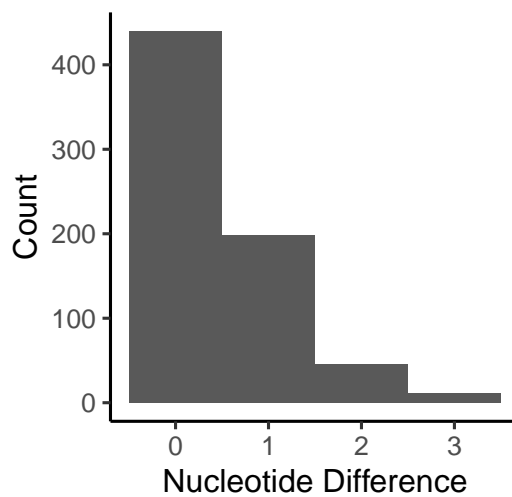
TRBV25-1*bp01

42 sequences assigned
41 (97.6%) exact matches, in which:
33 unique CDR3
12 unique J



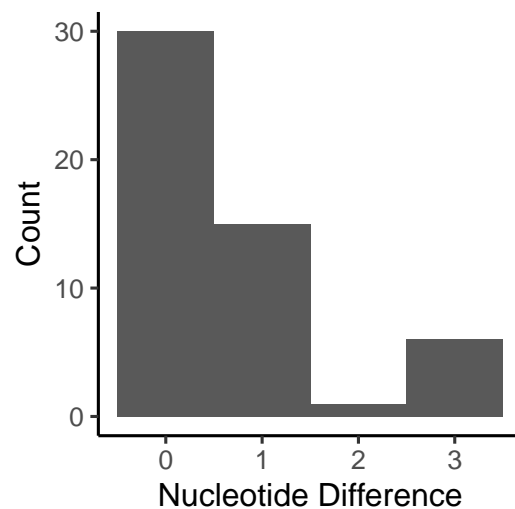
TRBV5-5*bp01

694 sequences assigned
440 (63.4%) exact matches, in which:
258 unique CDR3
13 unique J



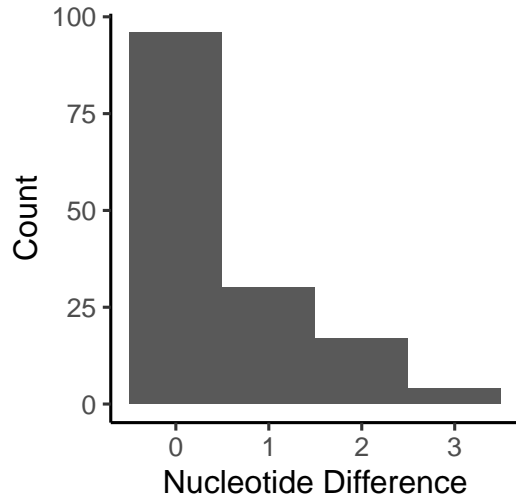
TRBV5-8*bp01

52 sequences assigned
30 (57.7%) exact matches, in which:
28 unique CDR3
10 unique J



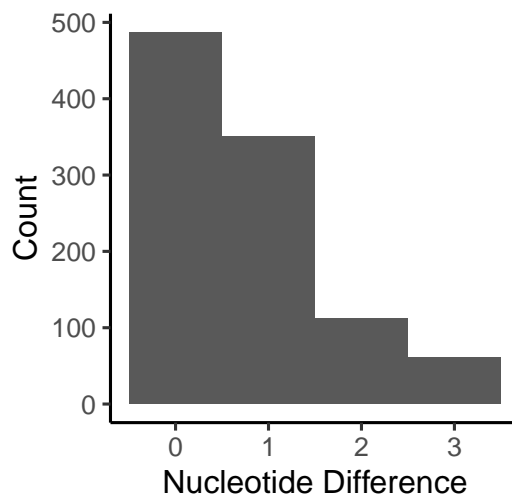
TRBV5-3*bp01

147 sequences assigned
96 (65.3%) exact matches, in which:
64 unique CDR3
13 unique J



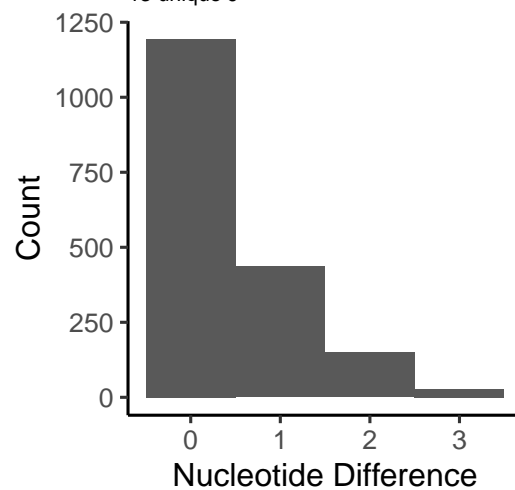
TRBV5-6*bp01

1011 sequences assigned
487 (48.2%) exact matches, in which:
301 unique CDR3
13 unique J



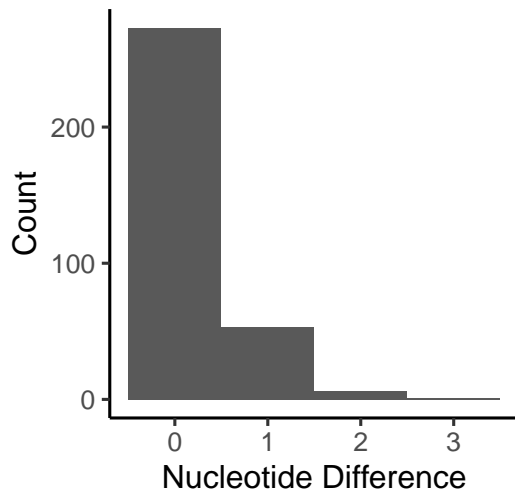
TRBV6-1*bp01

1806 sequences assigned
1194 (66.1%) exact matches, in which:
887 unique CDR3
13 unique J



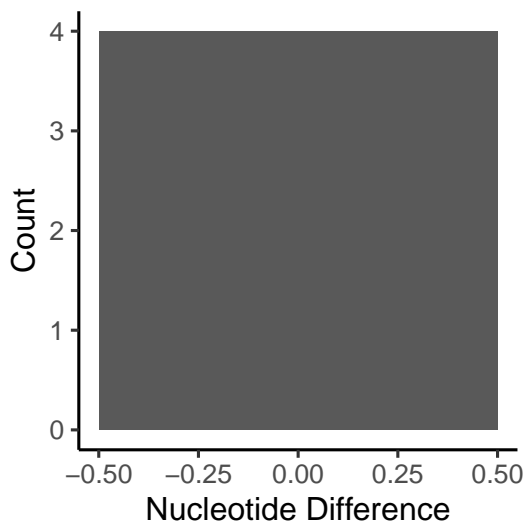
TRBV6-4*bp01

333 sequences assigned
273 (82%) exact matches, in which:
175 unique CDR3
12 unique J



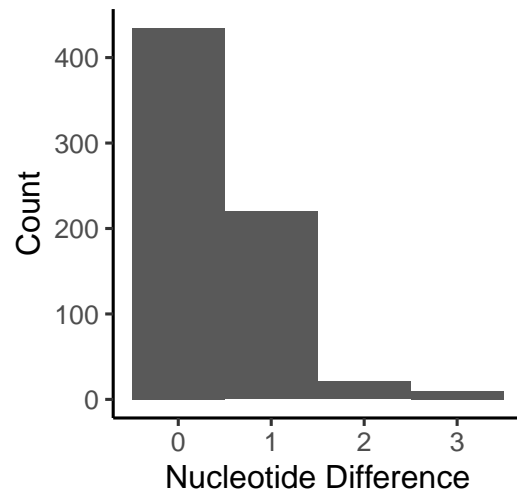
TRBV6-7*bp01

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



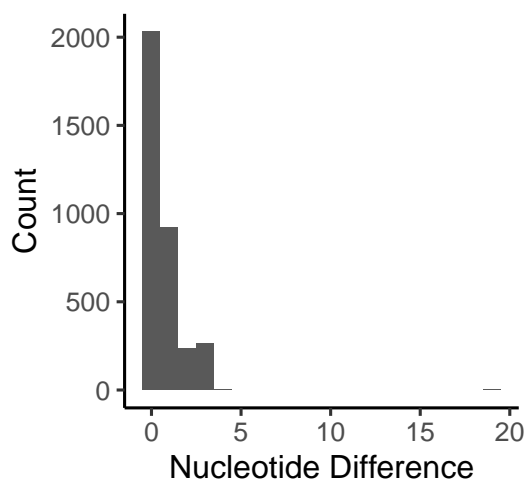
TRBV6-23*bp01

686 sequences assigned
435 (63.4%) exact matches, in which:
325 unique CDR3
13 unique J



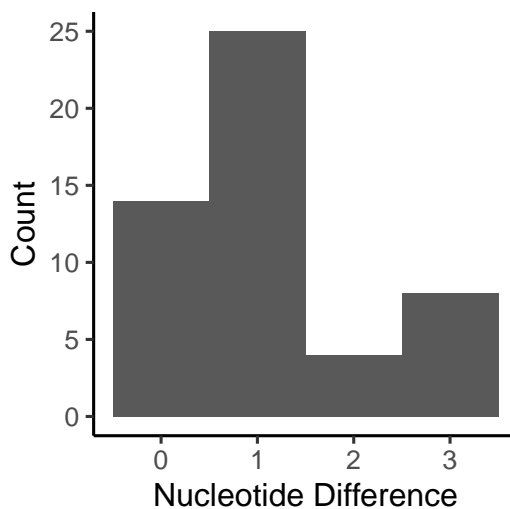
TRBV6-5*bp01

3453 sequences assigned
2031 (58.8%) exact matches, in which:
1439 unique CDR3
13 unique J



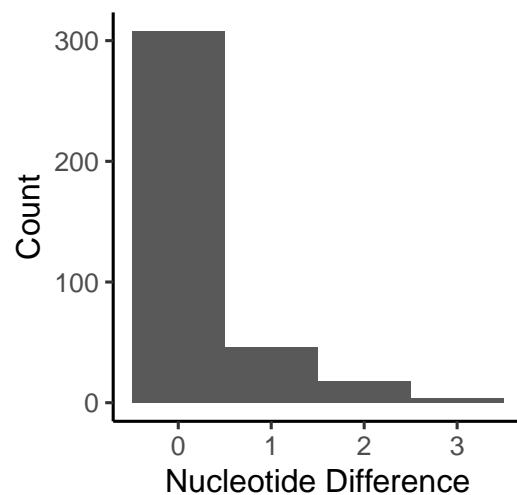
TRBV6-8*bp01

51 sequences assigned
14 (27.5%) exact matches, in which:
10 unique CDR3
5 unique J



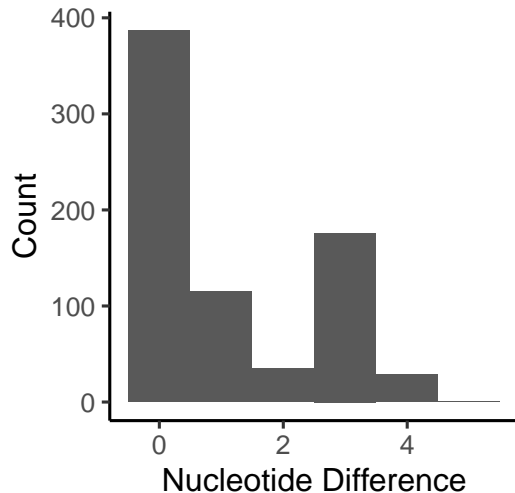
TRBV7-2*bp02

376 sequences assigned
308 (81.9%) exact matches, in which:
205 unique CDR3
13 unique J



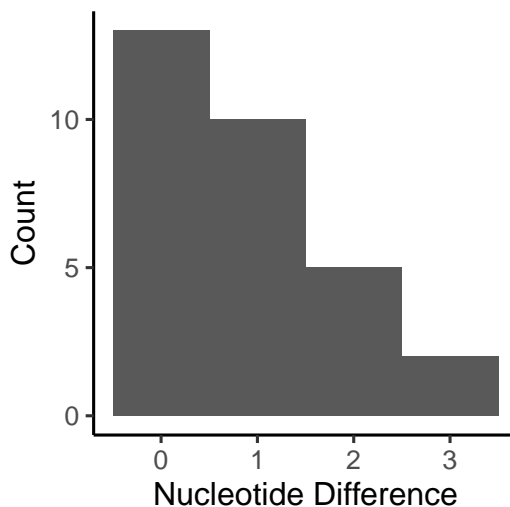
TRBV6-6*bp01

743 sequences assigned
387 (52.1%) exact matches, in which:
303 unique CDR3
13 unique J



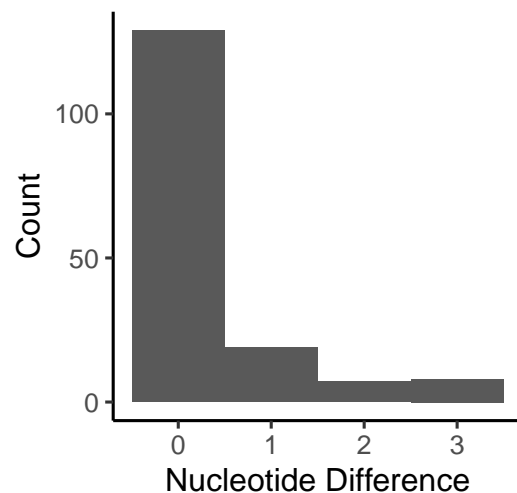
TRBV6-9*bp01

30 sequences assigned
13 (43.3%) exact matches, in which:
10 unique CDR3
5 unique J



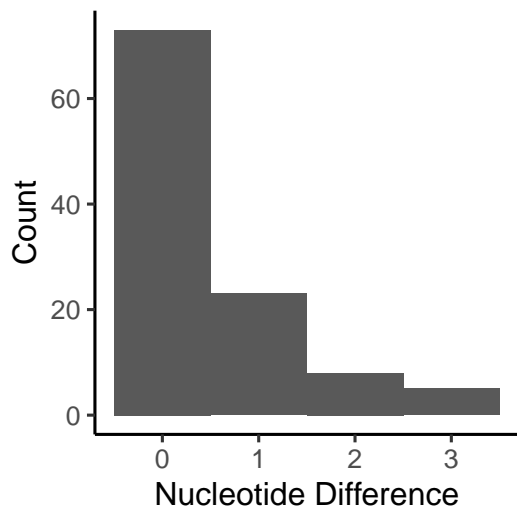
TRBV7-3*bp01

163 sequences assigned
129 (79.1%) exact matches, in which:
98 unique CDR3
13 unique J



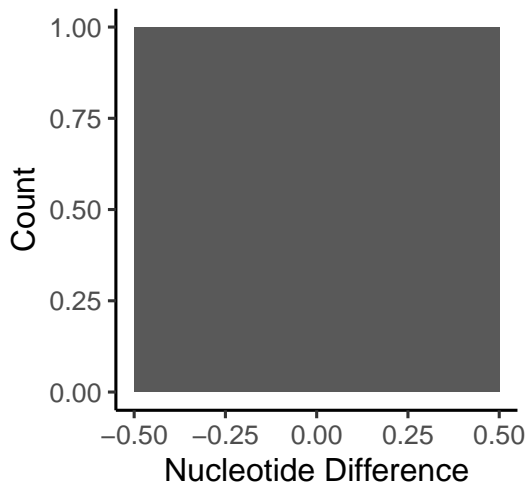
TRBV7-4*bp01

109 sequences assigned
73 (67%) exact matches, in which:
46 unique CDR3
11 unique J



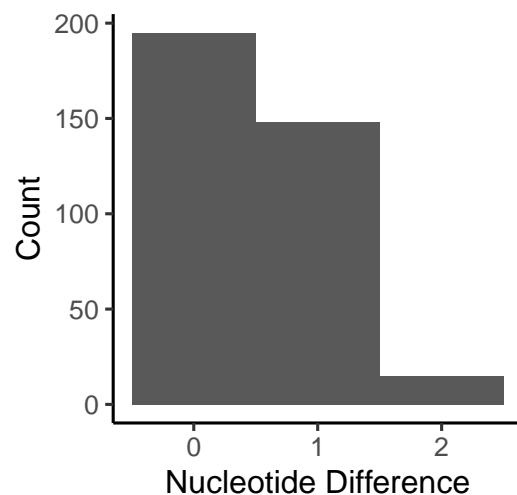
TRBV7-8*bp01

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



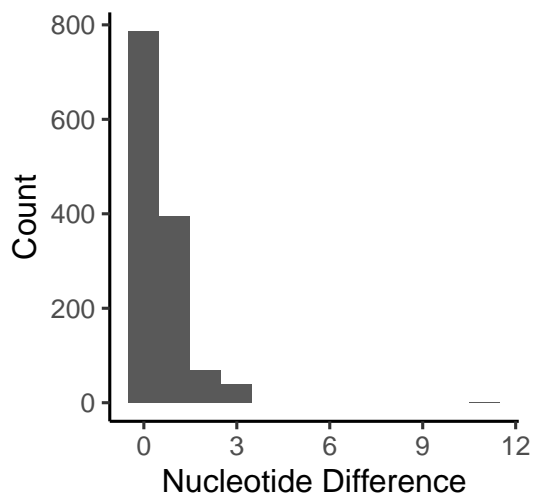
TRBV29-1*bp03

358 sequences assigned
195 (54.5%) exact matches, in which:
107 unique CDR3
12 unique J



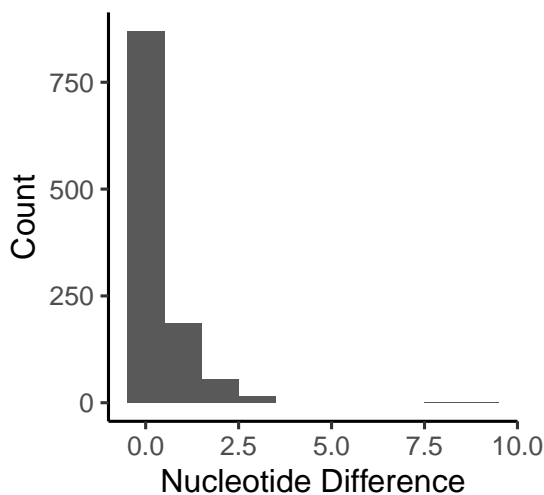
TRBV7-6*bp01

1292 sequences assigned
787 (60.9%) exact matches, in which:
428 unique CDR3
13 unique J



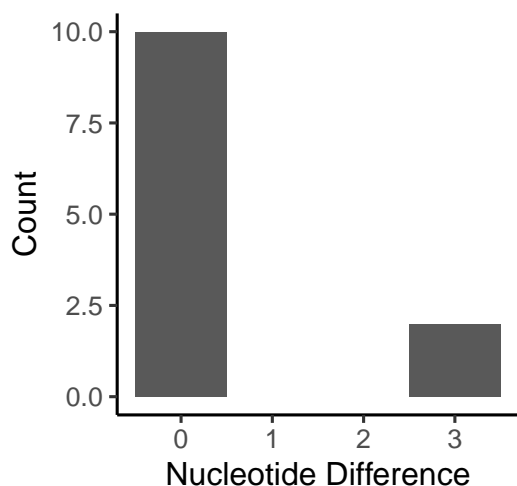
TRBV7-9*bp01

1127 sequences assigned
870 (77.2%) exact matches, in which:
516 unique CDR3
13 unique J



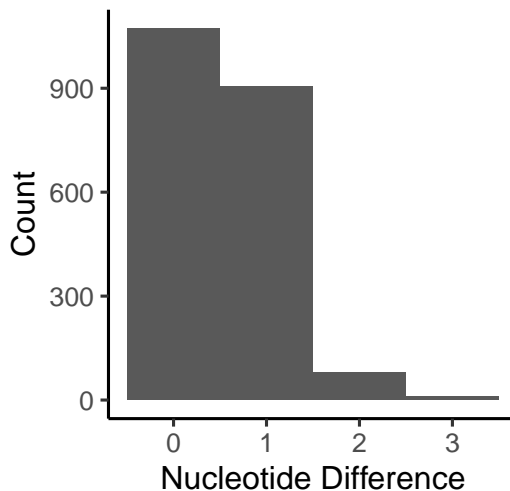
TRBV7-7*bp01

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

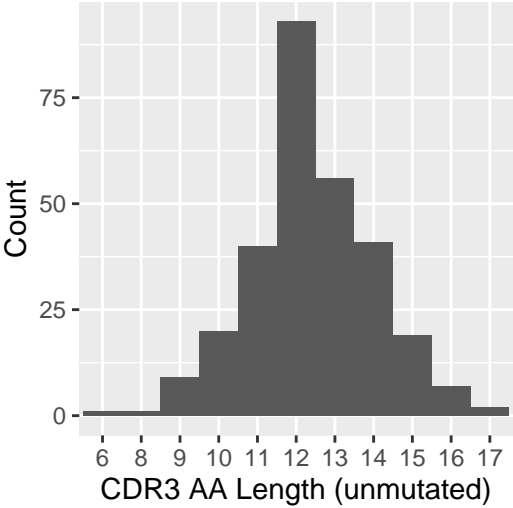


TRBV29-1*bp01

2066 sequences assigned
1073 (51.9%) exact matches, in which:
600 unique CDR3
13 unique J



TRBV20-1*bp04_322GA323





[illegible]