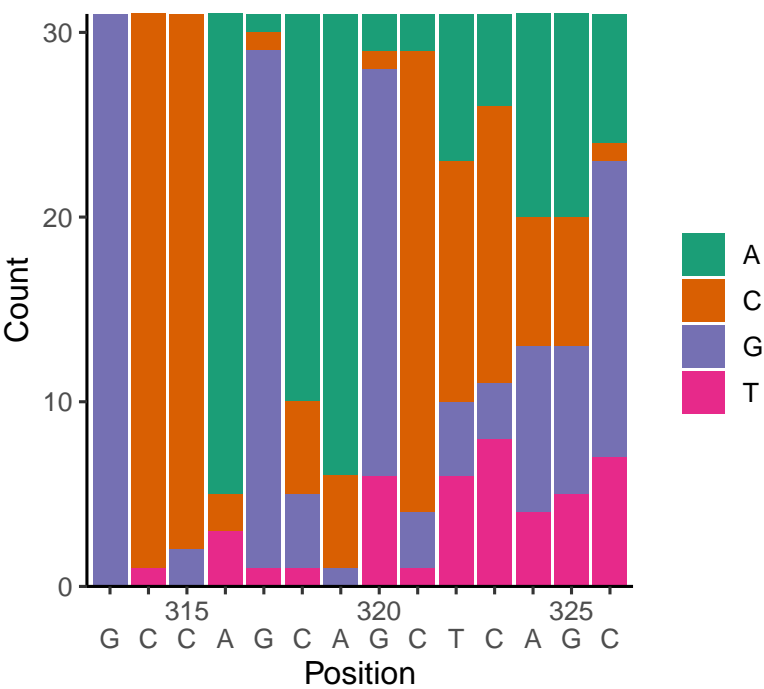
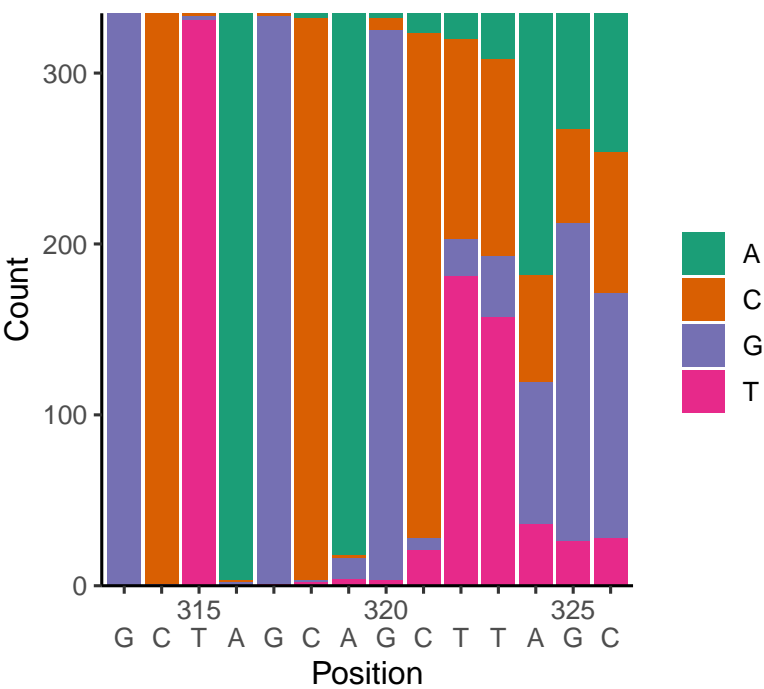


Gene TRBV7-1*ap01_T296C



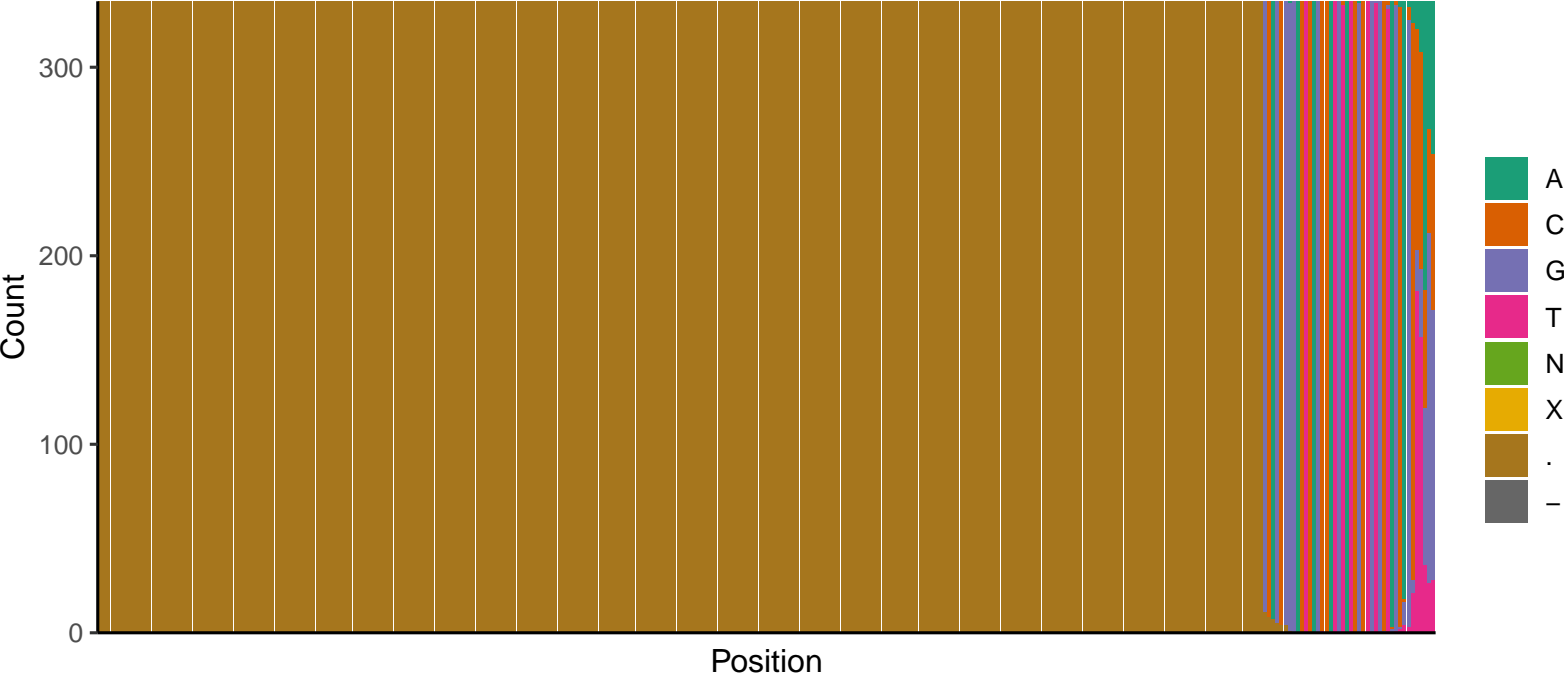
Gene TRBV7-7*ap01_C315T



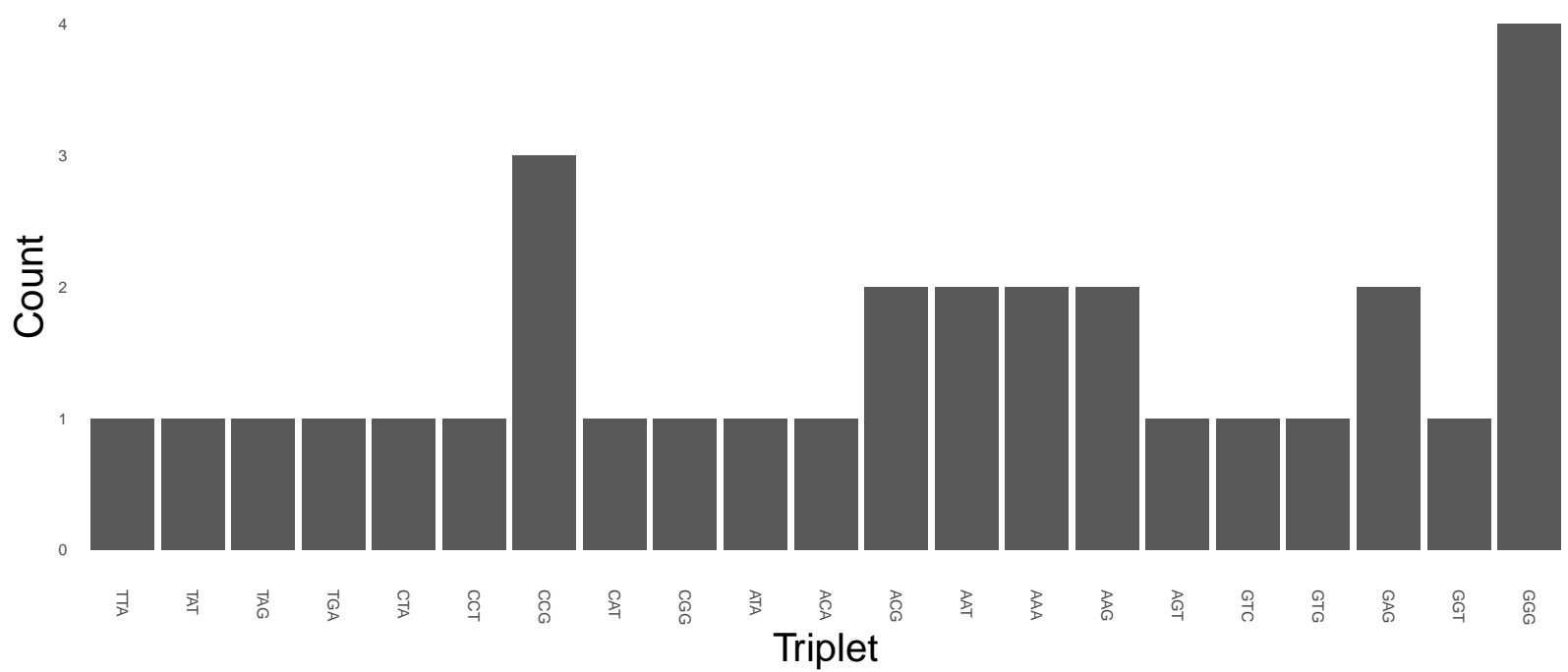
Gene TRBV7-1*ap01_T296C



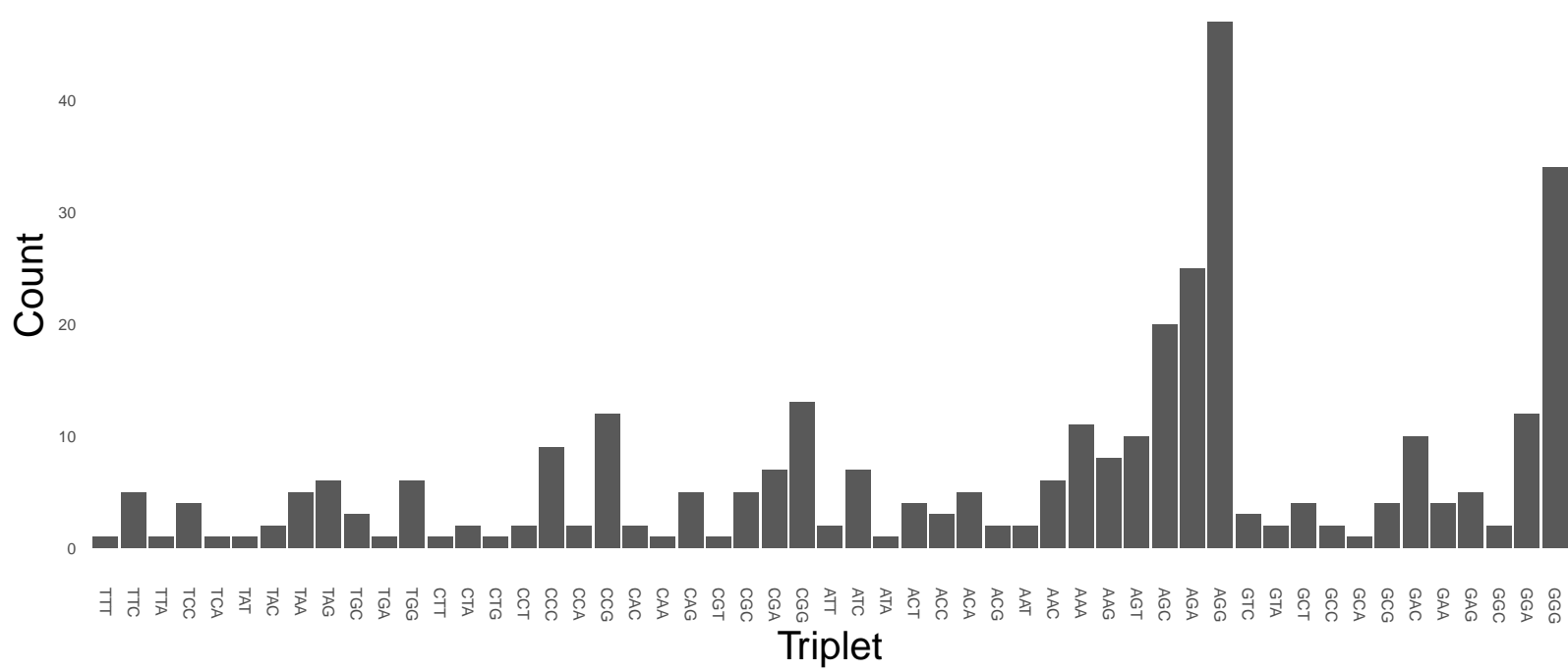
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

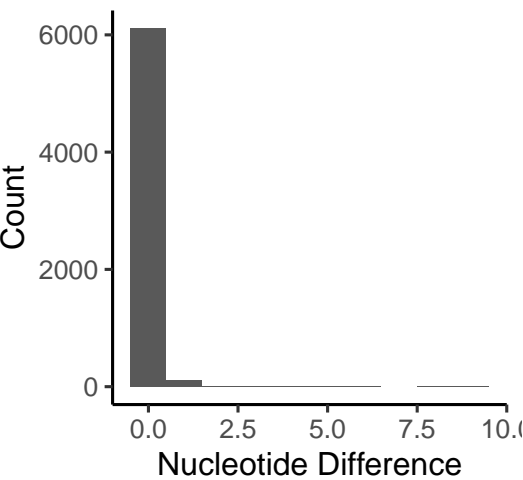


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



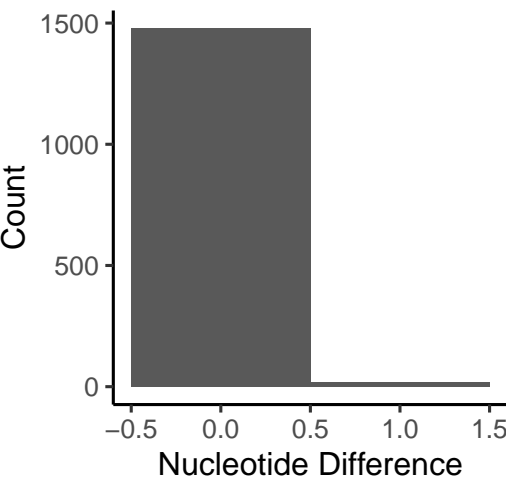
TRBV20-1*ap01

6246 sequences assigned
6110 (97.8%) exact matches, in which:
5876 unique CDR3
13 unique J



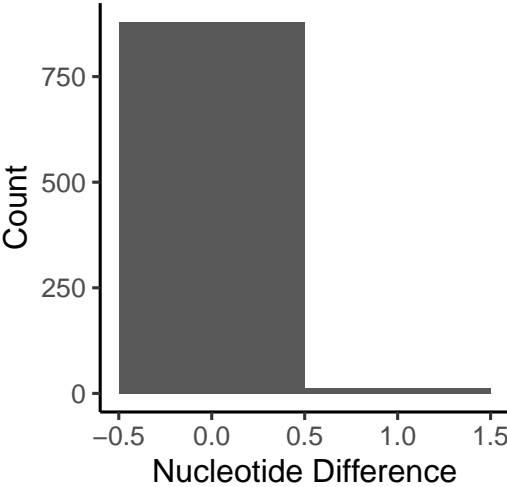
TRBV10-3*ap01

1497 sequences assigned
1478 (98.7%) exact matches, in which:
1411 unique CDR3
13 unique J



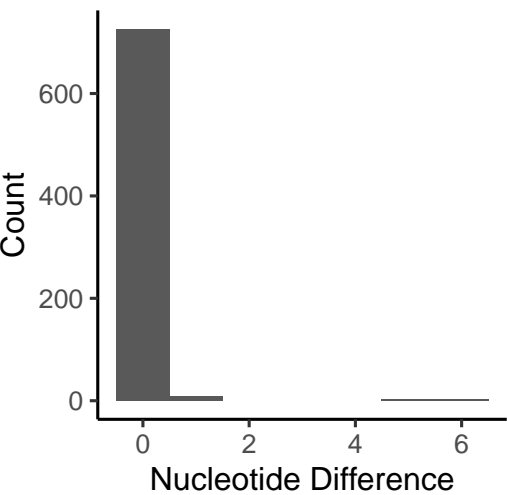
TRBV14*ap01

892 sequences assigned
880 (98.7%) exact matches, in which:
850 unique CDR3
13 unique J



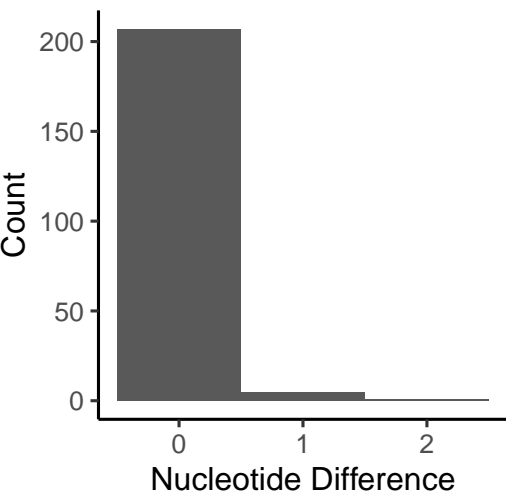
TRBV10-1*ap01

739 sequences assigned
726 (98.2%) exact matches, in which:
703 unique CDR3
13 unique J



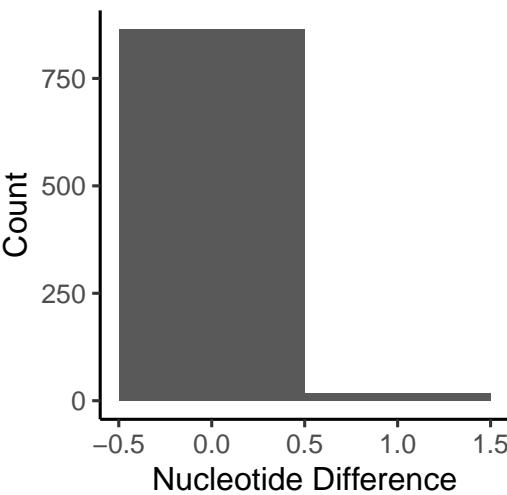
TRBV1*ap01

213 sequences assigned
207 (97.2%) exact matches, in which:
190 unique CDR3
13 unique J



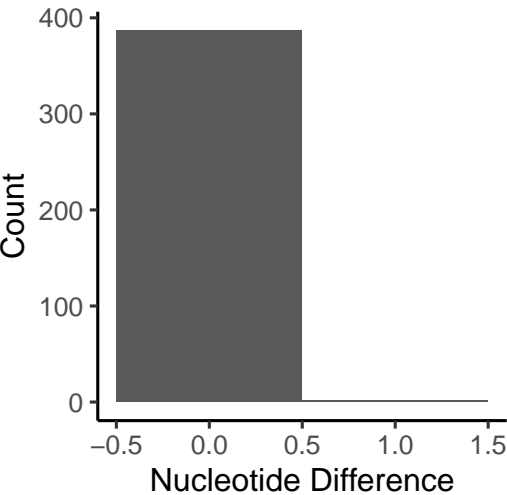
TRBV15*ap02

883 sequences assigned
865 (98%) exact matches, in which:
828 unique CDR3
13 unique J



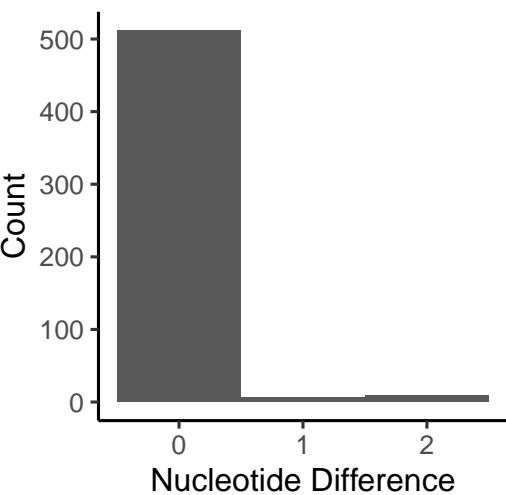
TRBV10-2*ap01

389 sequences assigned
387 (99.5%) exact matches, in which:
372 unique CDR3
13 unique J



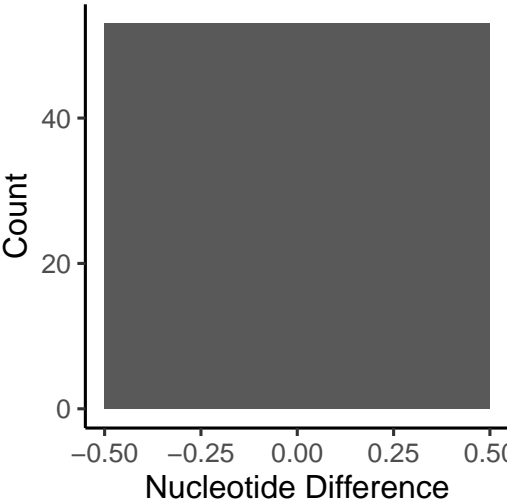
TRBV13*ap01

527 sequences assigned
512 (97.2%) exact matches, in which:
484 unique CDR3
13 unique J



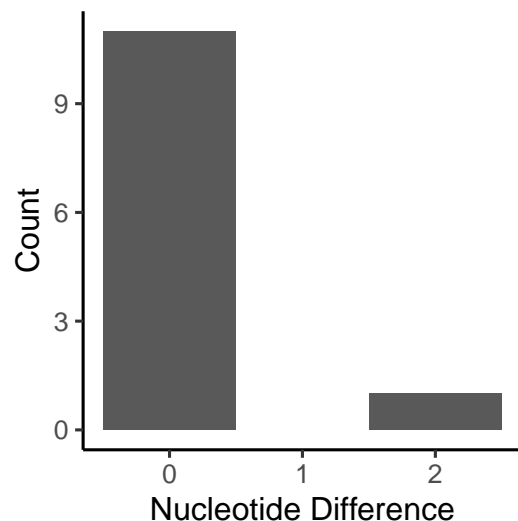
TRBV16*ap01

53 sequences assigned
53 (100%) exact matches, in which:
53 unique CDR3
12 unique J



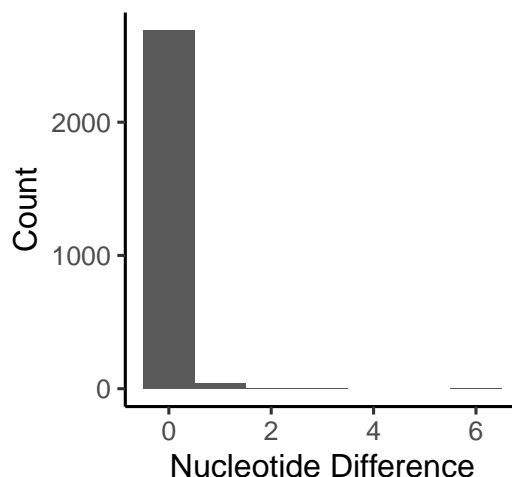
TRBV17*ap01

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



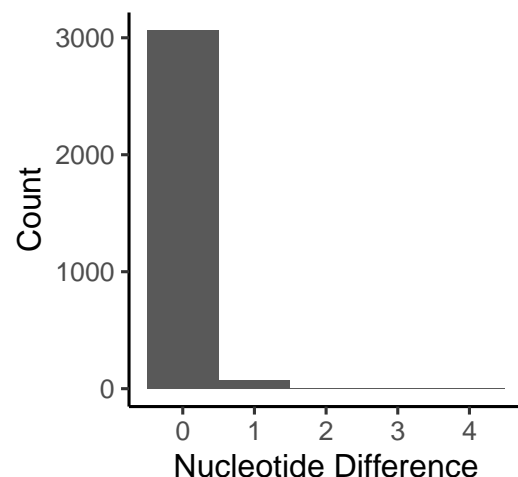
TRBV2*ap01

2731 sequences assigned
2689 (98.5%) exact matches, in which:
2597 unique CDR3
13 unique J



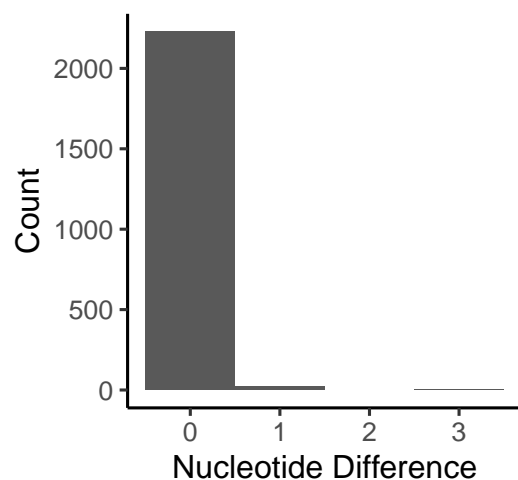
TRBV30*ap01

3136 sequences assigned
3063 (97.7%) exact matches, in which:
2946 unique CDR3
13 unique J



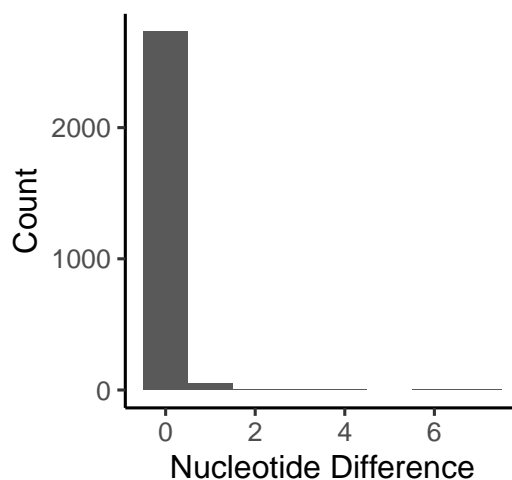
TRBV18*ap01

2249 sequences assigned
2228 (99.1%) exact matches, in which:
2169 unique CDR3
13 unique J



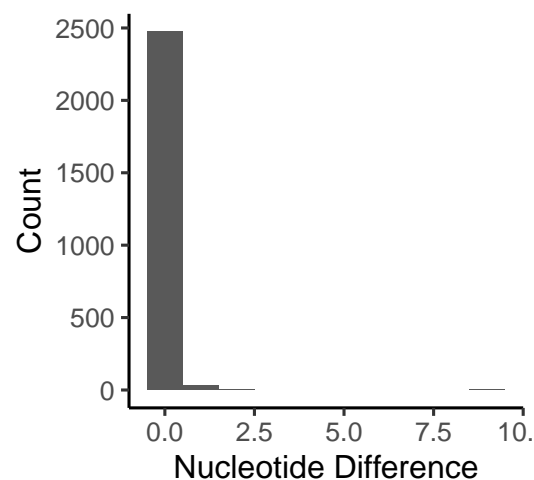
TRBV27*ap01

2790 sequences assigned
2731 (97.9%) exact matches, in which:
2627 unique CDR3
13 unique J



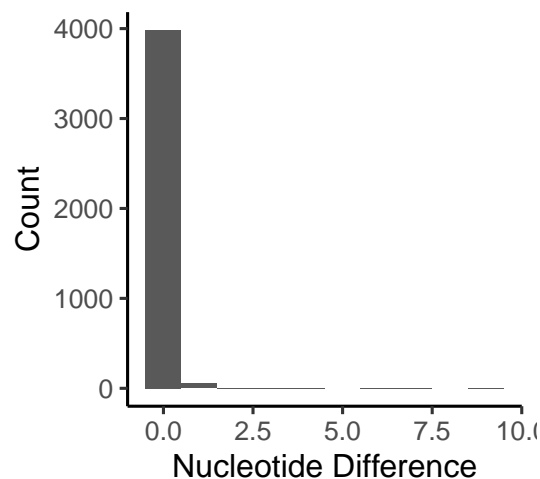
TRBV9*ap01

2508 sequences assigned
2474 (98.6%) exact matches, in which:
2403 unique CDR3
13 unique J



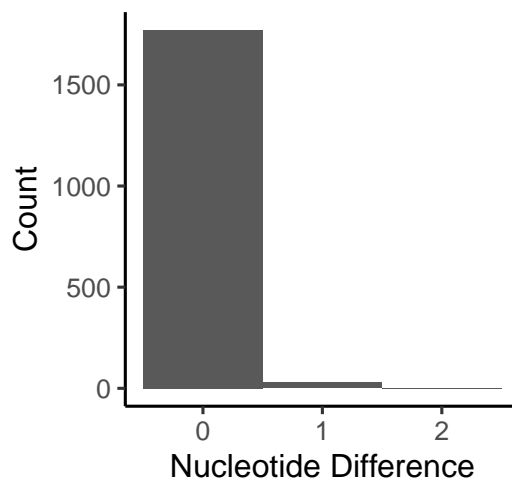
TRBV19*ap01

4048 sequences assigned
3984 (98.4%) exact matches, in which:
3898 unique CDR3
13 unique J



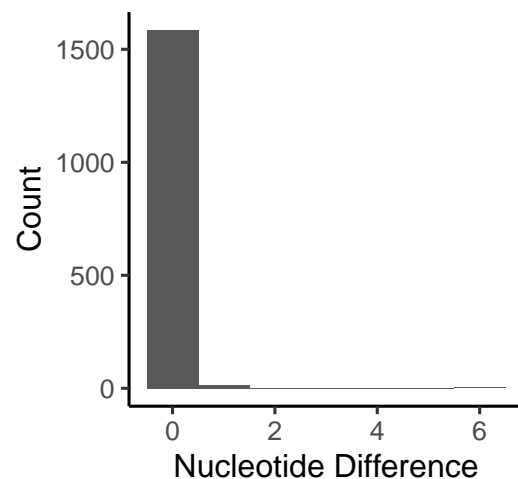
TRBV28*ap01

1801 sequences assigned
1771 (98.3%) exact matches, in which:
1713 unique CDR3
13 unique J



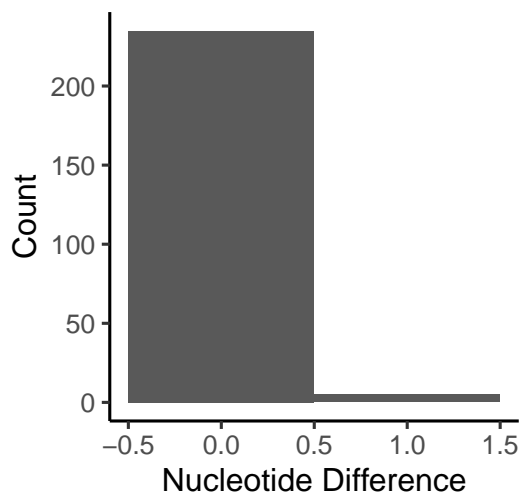
TRBV21-1*ap01

1610 sequences assigned
1585 (98.4%) exact matches, in which:
1565 unique CDR3
13 unique J



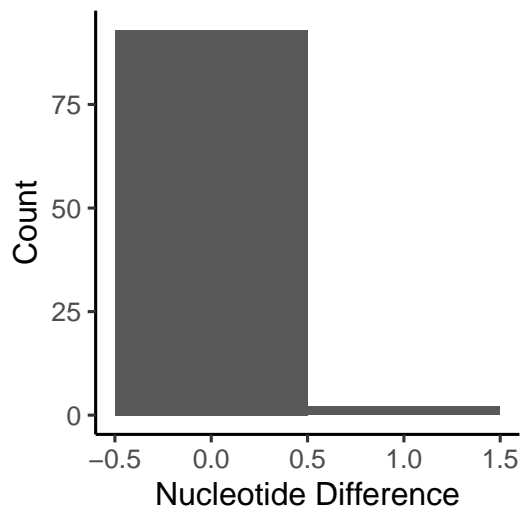
TRBV11-1*ap01

240 sequences assigned
235 (97.9%) exact matches, in which:
228 unique CDR3
13 unique J



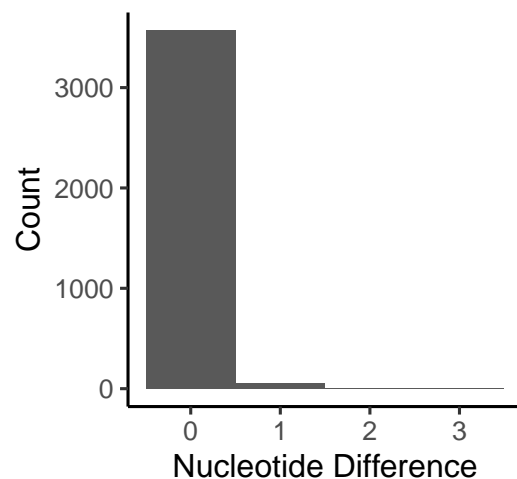
TRBV12-1*ap01

95 sequences assigned
93 (97.9%) exact matches, in which:
86 unique CDR3
11 unique J



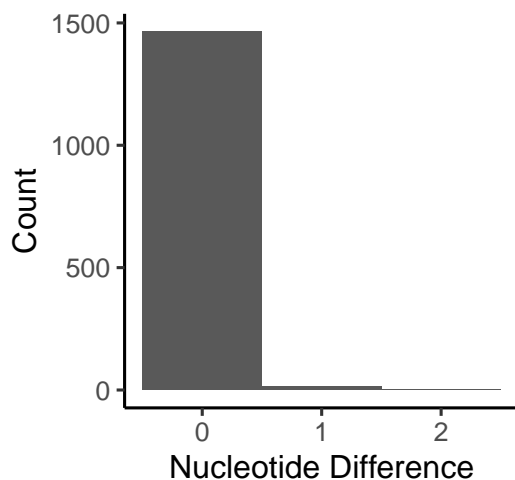
TRBV12-34*ap01

3626 sequences assigned
3570 (98.5%) exact matches, in which:
3449 unique CDR3
13 unique J



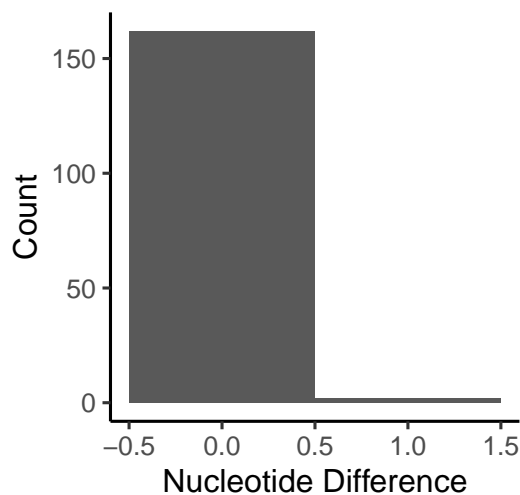
TRBV11-2*ap01

1480 sequences assigned
1464 (98.9%) exact matches, in which:
1414 unique CDR3
13 unique J



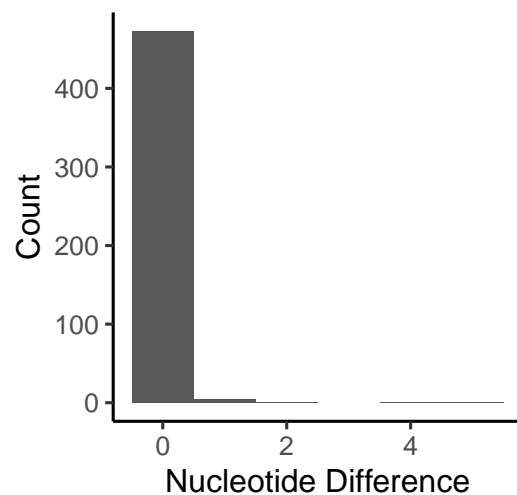
TRBV12-2*ap01

164 sequences assigned
162 (98.8%) exact matches, in which:
158 unique CDR3
13 unique J



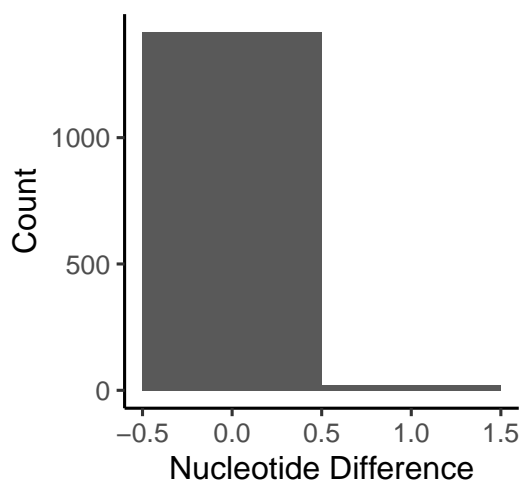
TRBV23-1*ap01

481 sequences assigned
473 (98.3%) exact matches, in which:
466 unique CDR3
13 unique J



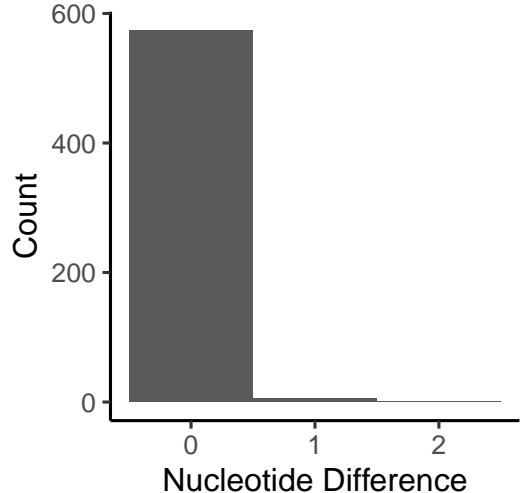
TRBV11-3*ap01

1438 sequences assigned
1418 (98.6%) exact matches, in which:
1362 unique CDR3
13 unique J



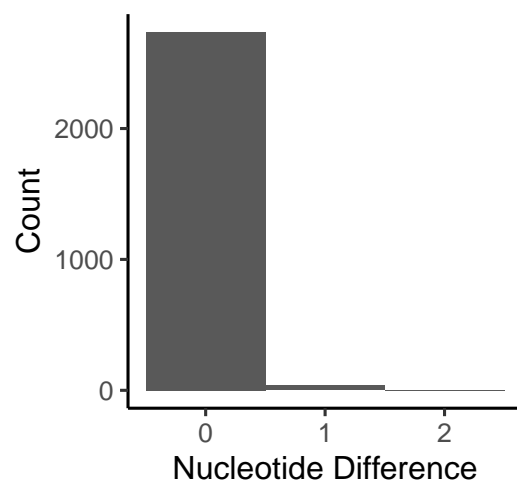
TRBV12-5*ap01

581 sequences assigned
574 (98.8%) exact matches, in which:
550 unique CDR3
13 unique J



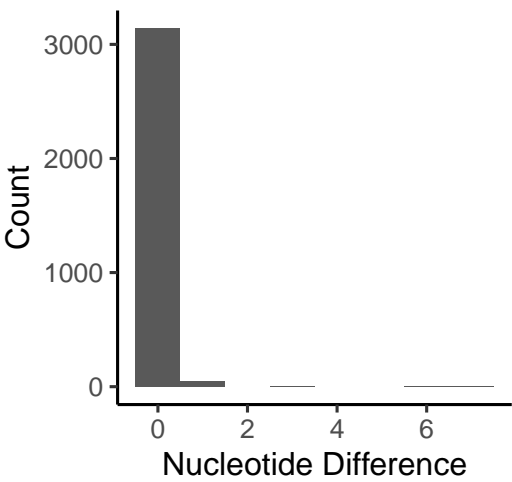
TRBV3-12*ap01

2776 sequences assigned
2737 (98.6%) exact matches, in which:
2640 unique CDR3
13 unique J



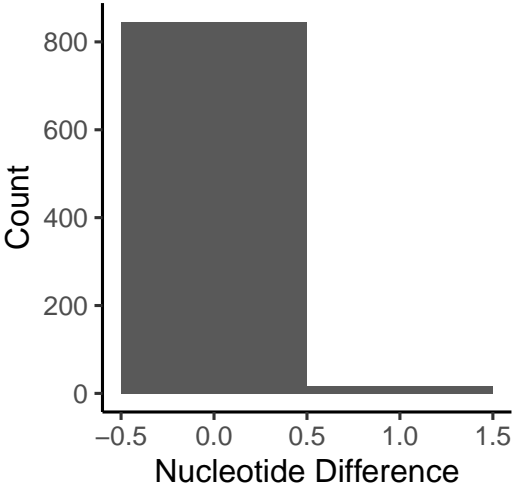
TRBV24-1*ap01

3191 sequences assigned
3140 (98.4%) exact matches, in which:
3034 unique CDR3
13 unique J



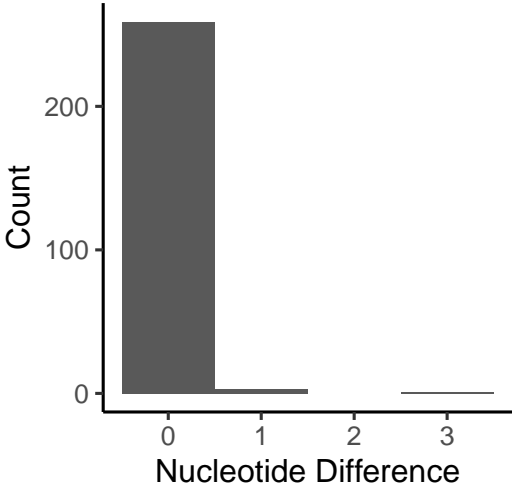
TRBV4-3*ap01

862 sequences assigned
846 (98.1%) exact matches, in which:
816 unique CDR3
13 unique J



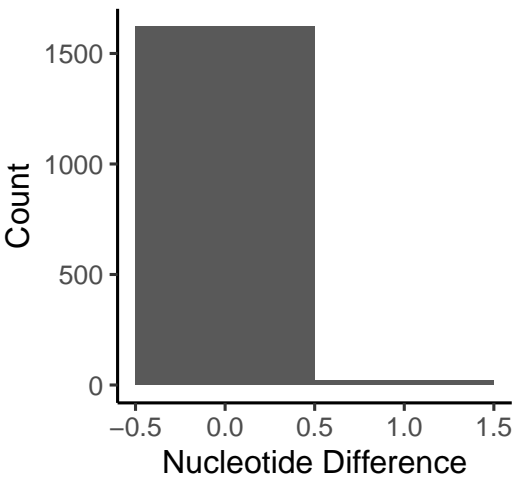
TRBV5-3*ap01

263 sequences assigned
259 (98.5%) exact matches, in which:
244 unique CDR3
13 unique J



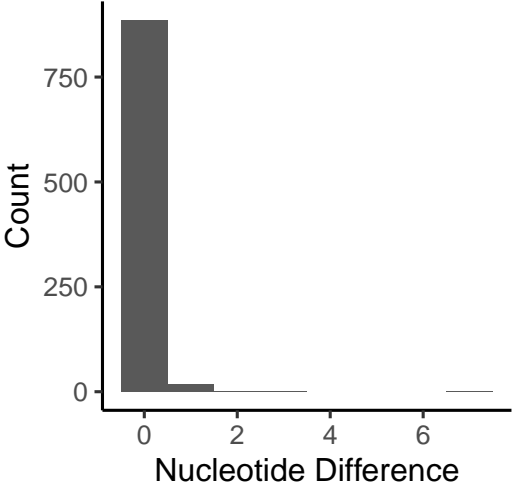
TRBV4-1*ap01

1641 sequences assigned
1621 (98.8%) exact matches, in which:
1545 unique CDR3
13 unique J



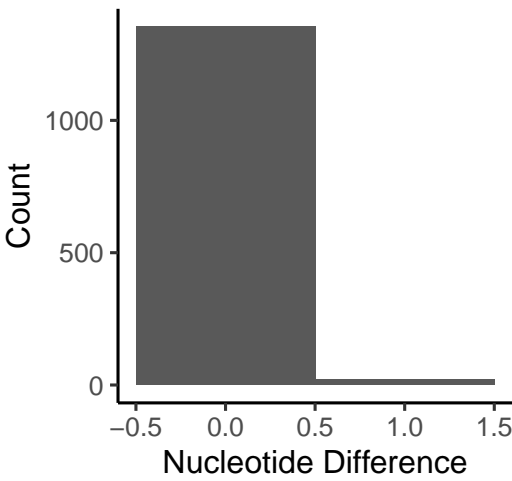
TRBV25-1*ap01

908 sequences assigned
886 (97.6%) exact matches, in which:
853 unique CDR3
13 unique J



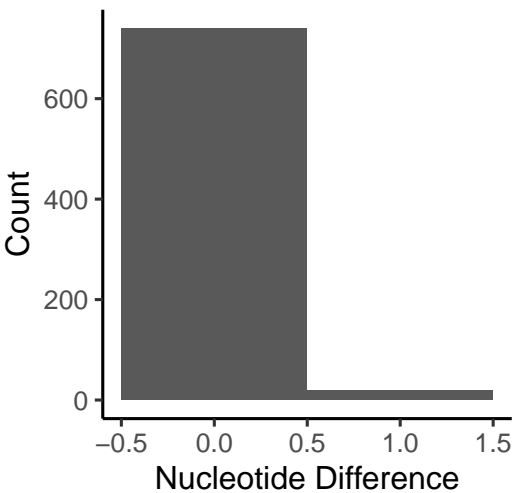
TRBV5-4*ap01

1375 sequences assigned
1354 (98.5%) exact matches, in which:
1310 unique CDR3
13 unique J



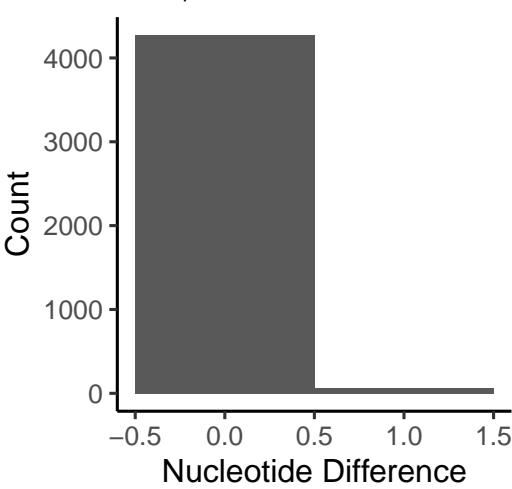
TRBV4-2*ap01

759 sequences assigned
740 (97.5%) exact matches, in which:
714 unique CDR3
13 unique J



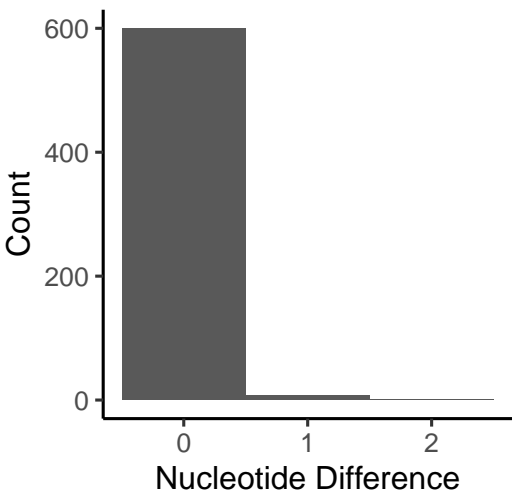
TRBV5-1*ap01

4333 sequences assigned
4273 (98.6%) exact matches, in which:
4082 unique CDR3
13 unique J



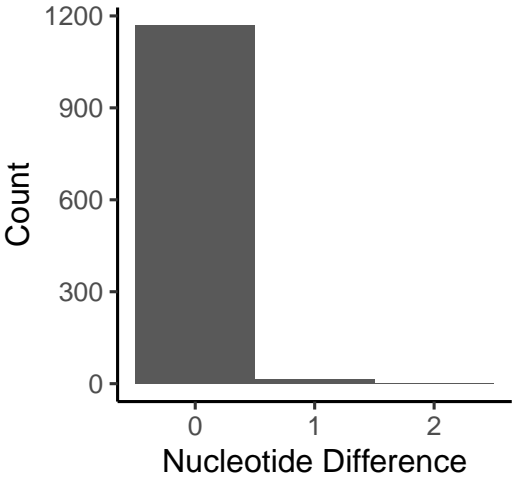
TRBV5-5*ap01

609 sequences assigned
600 (98.5%) exact matches, in which:
589 unique CDR3
13 unique J



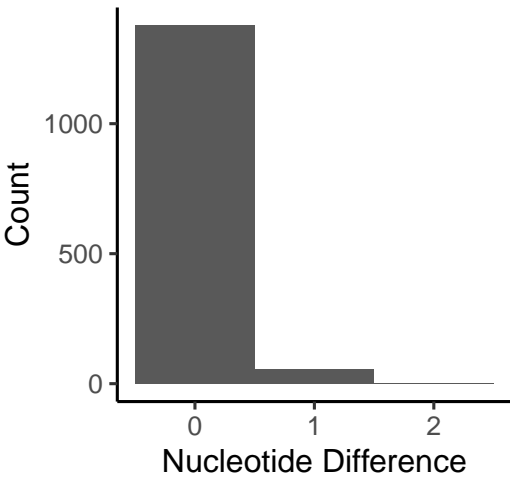
TRBV5-6*ap01

1186 sequences assigned
1169 (98.6%) exact matches, in which:
1122 unique CDR3
13 unique J



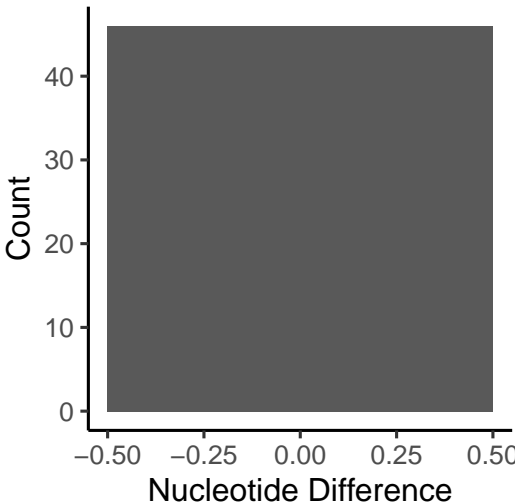
TRBV6-1*ap01

1433 sequences assigned
1378 (96.2%) exact matches, in which:
1306 unique CDR3
13 unique J



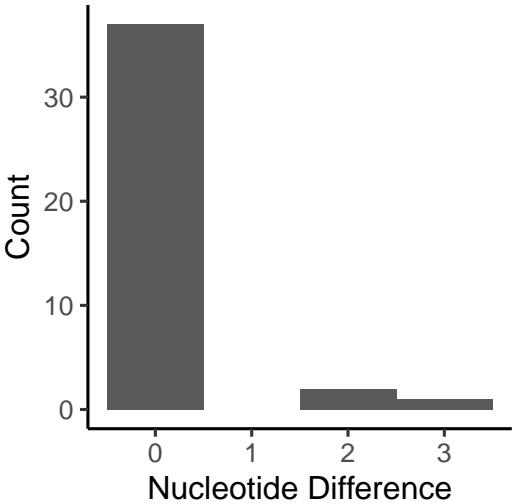
TRBV6-8*ap01

46 sequences assigned
46 (100%) exact matches, in which:
43 unique CDR3
12 unique J



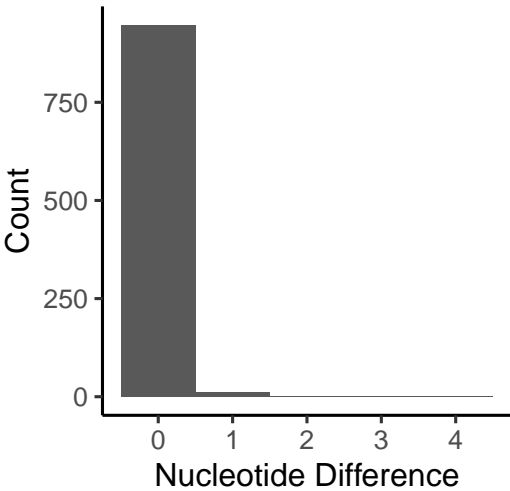
TRBV5-7*ap01

40 sequences assigned
37 (92.5%) exact matches, in which:
36 unique CDR3
11 unique J



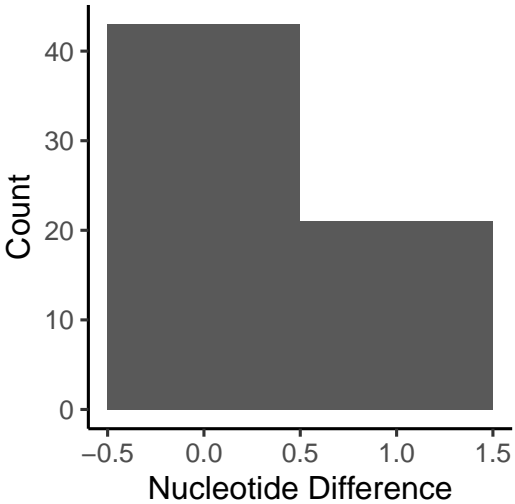
TRBV6-4*ap01

963 sequences assigned
947 (98.3%) exact matches, in which:
913 unique CDR3
13 unique J



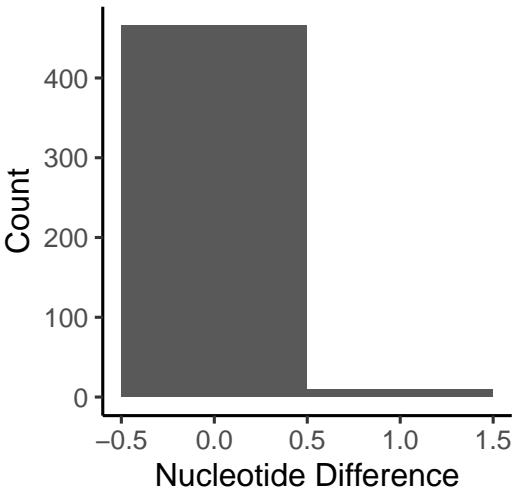
TRBV6-9*ap01

64 sequences assigned
43 (67.2%) exact matches, in which:
41 unique CDR3
11 unique J



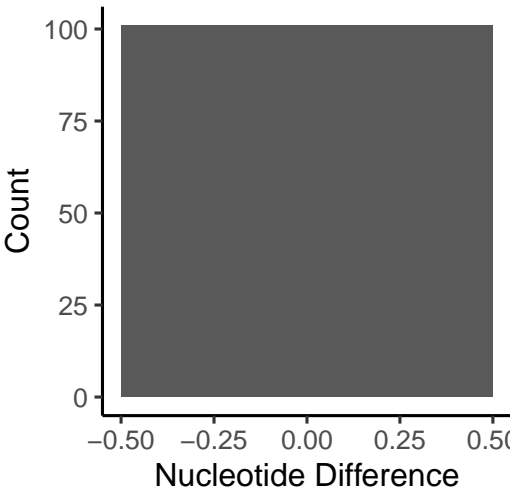
TRBV5-8*ap01

475 sequences assigned
466 (98.1%) exact matches, in which:
450 unique CDR3
13 unique J



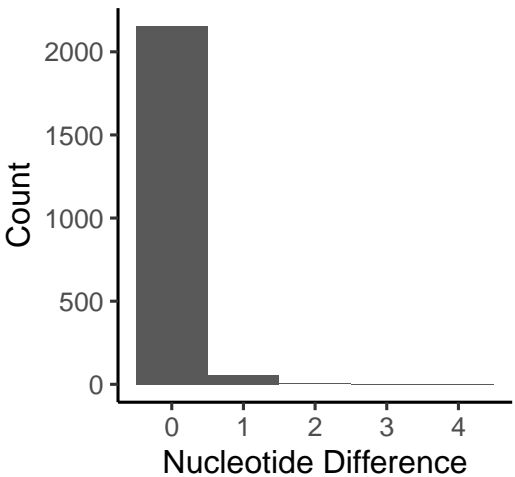
TRBV6-7*ap01

101 sequences assigned
101 (100%) exact matches, in which:
98 unique CDR3
11 unique J



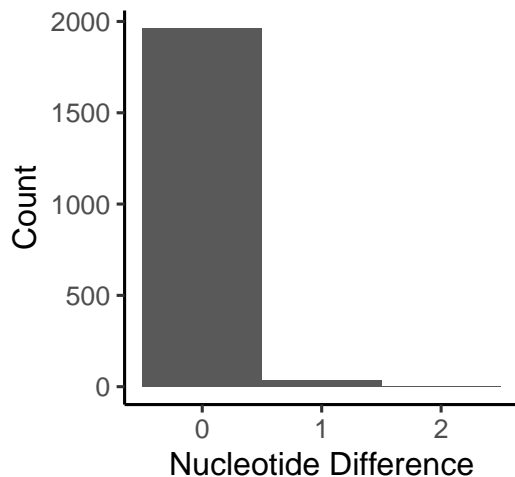
TRBV6-23*ap01

2220 sequences assigned
2155 (97.1%) exact matches, in which:
2058 unique CDR3
13 unique J



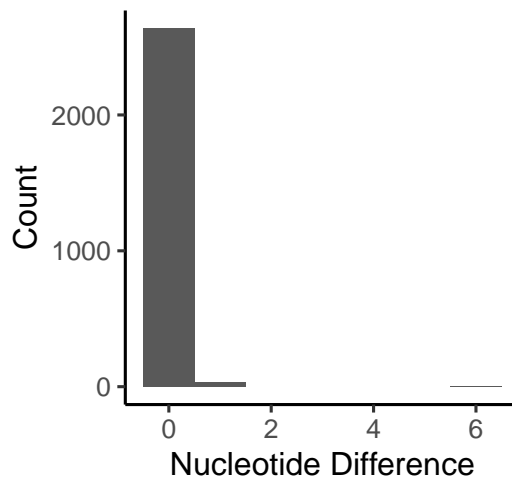
TRBV6-56*ap01

1996 sequences assigned
1962 (98.3%) exact matches, in which:
1886 unique CDR3
13 unique J



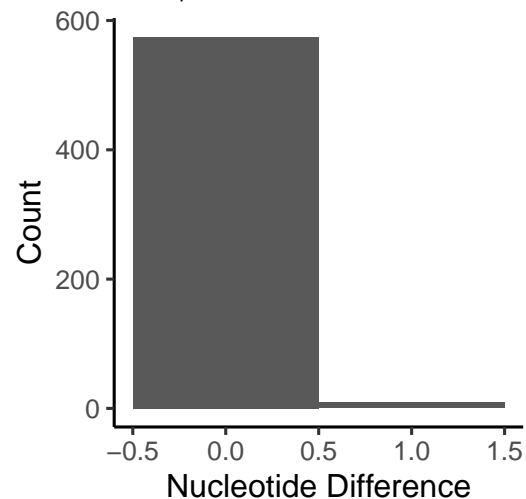
TRBV7-2*ap01

2671 sequences assigned
2637 (98.7%) exact matches, in which:
2555 unique CDR3
13 unique J



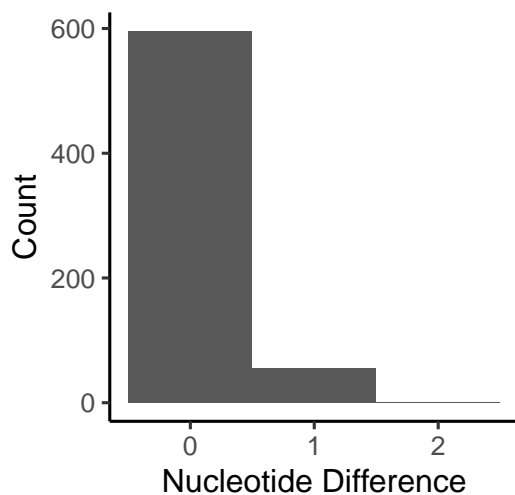
TRBV7-6*ap01

584 sequences assigned
575 (98.5%) exact matches, in which:
555 unique CDR3
13 unique J



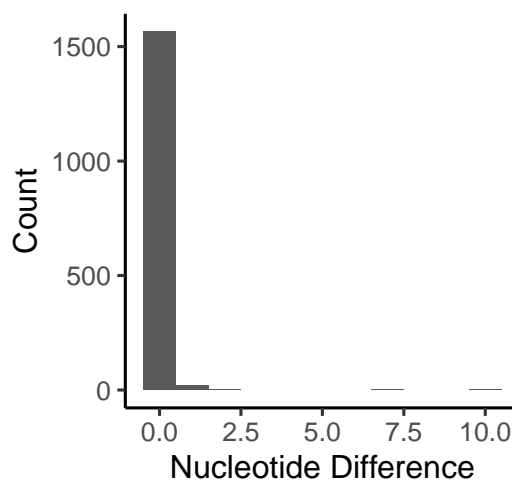
TRBV6-56*ap02

652 sequences assigned
596 (91.4%) exact matches, in which:
568 unique CDR3
13 unique J



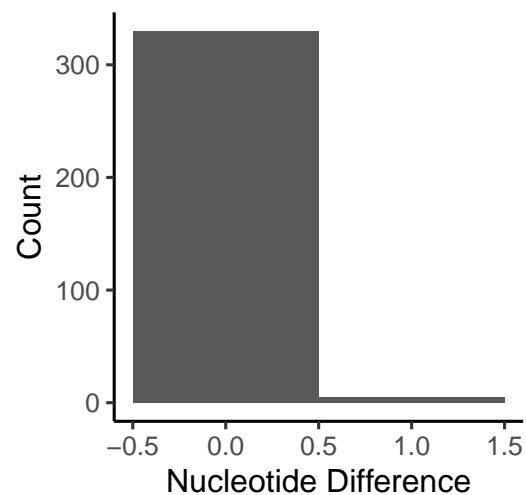
TRBV7-3*ap01

1590 sequences assigned
1565 (98.4%) exact matches, in which:
1507 unique CDR3
13 unique J



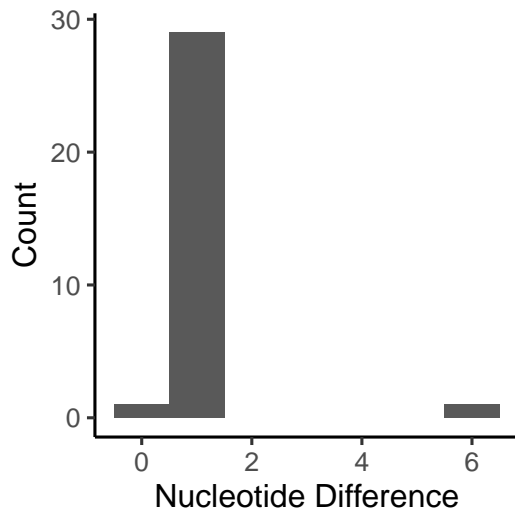
TRBV7-7*ap01_C315T

335 sequences assigned
330 (98.5%) exact matches, in which:
320 unique CDR3
13 unique J



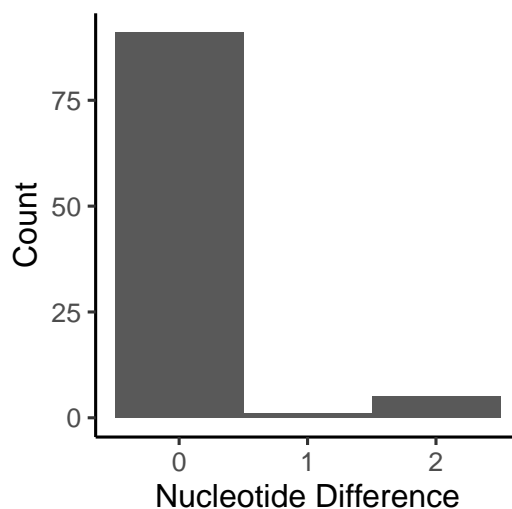
TRBV7-1*ap01_T296C

31 sequences assigned
1 (3.2%) exact matches, in which:
1 unique CDR3
1 unique J



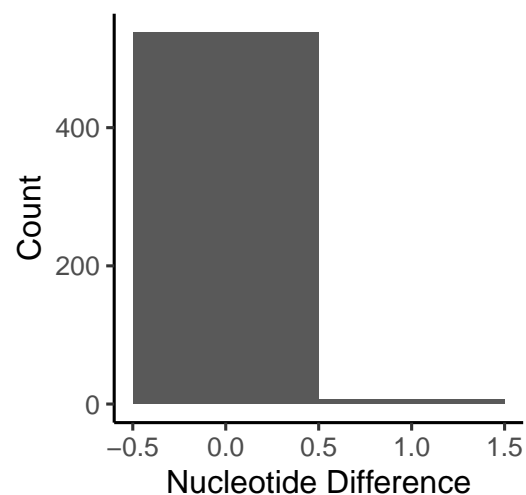
TRBV7-4*ap01

97 sequences assigned
91 (93.8%) exact matches, in which:
85 unique CDR3
12 unique J



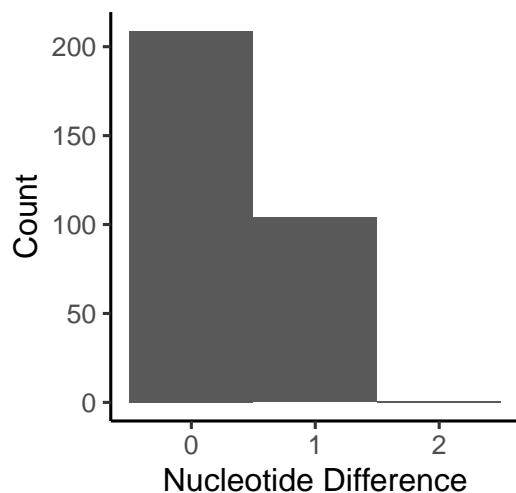
TRBV7-8*ap01

545 sequences assigned
538 (98.7%) exact matches, in which:
525 unique CDR3
13 unique J



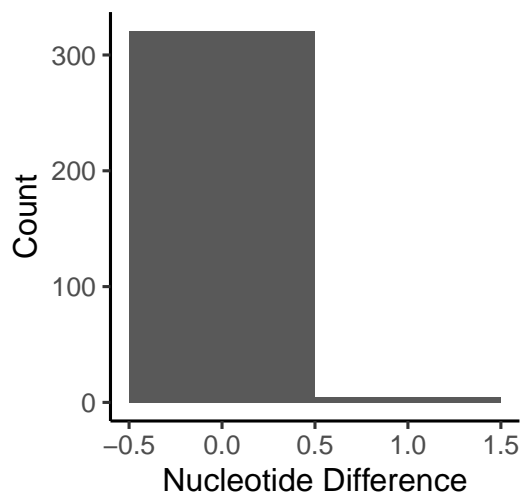
TRBV7–8*ap03

314 sequences assigned
209 (66.6%) exact matches, in which:
203 unique CDR3
13 unique J



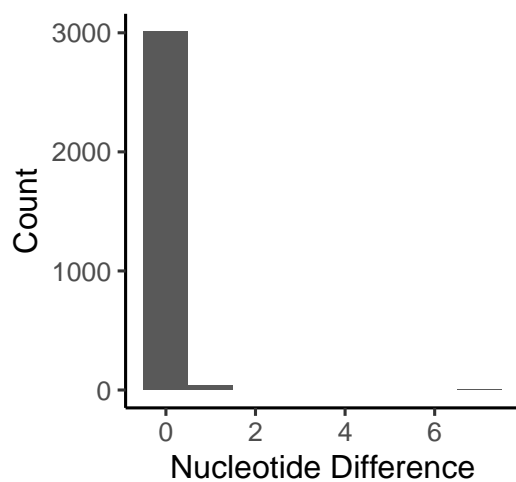
TRBV29–1*ap02

326 sequences assigned
321 (98.5%) exact matches, in which:
311 unique CDR3
13 unique J



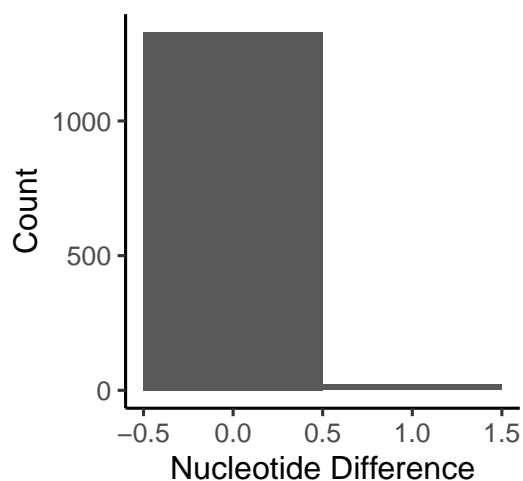
TRBV7–9*ap01

3046 sequences assigned
3009 (98.8%) exact matches, in which:
2880 unique CDR3
13 unique J

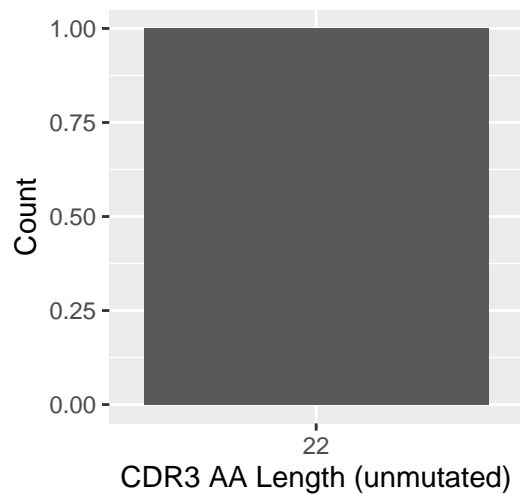


TRBV29–1*ap01

1351 sequences assigned
1330 (98.4%) exact matches, in which:
1275 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

