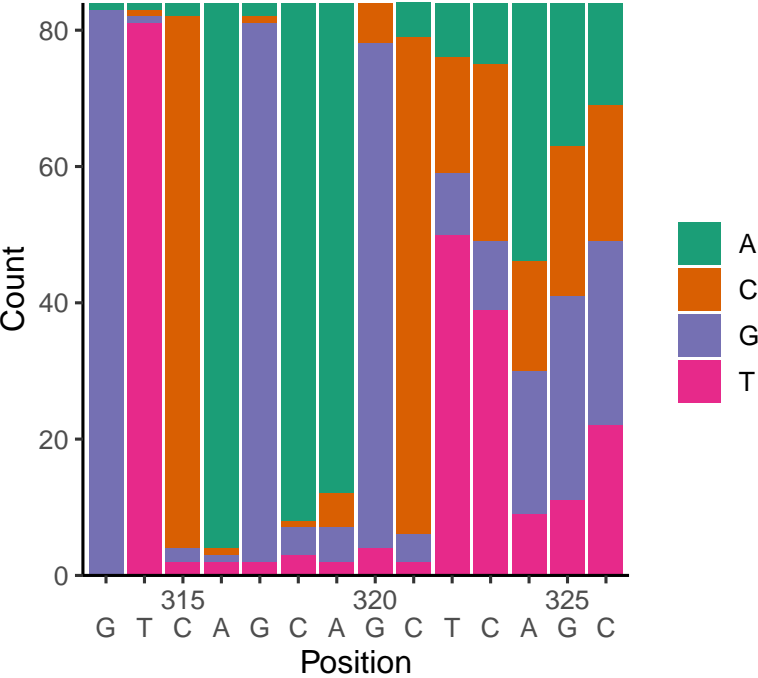
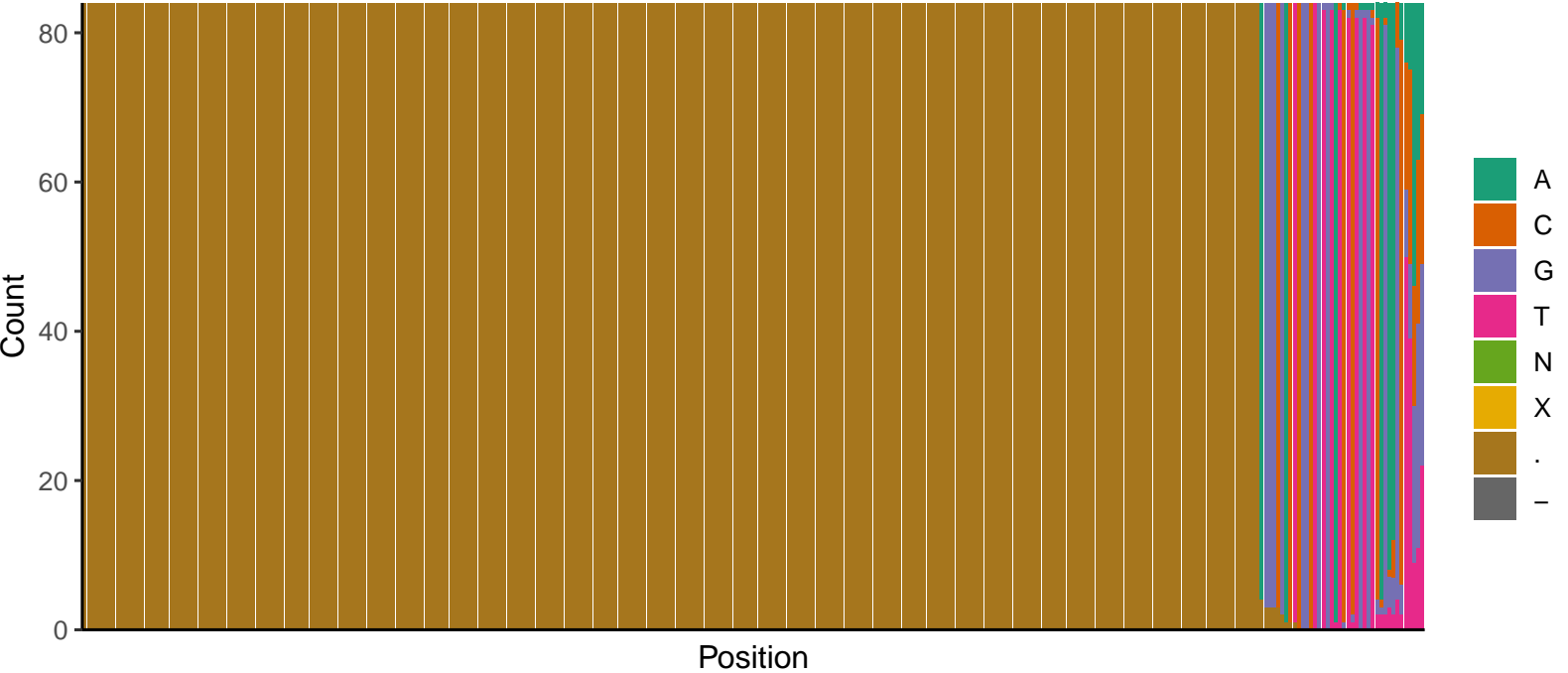


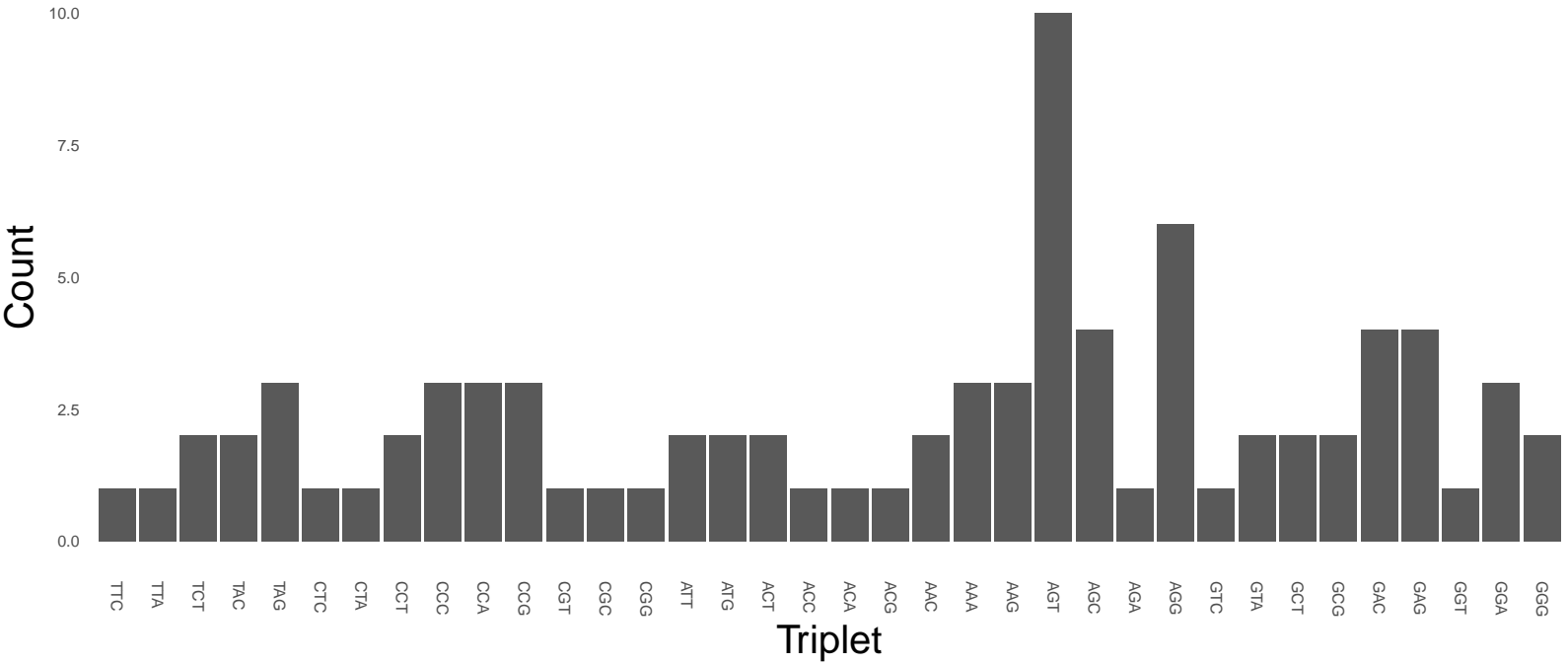
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

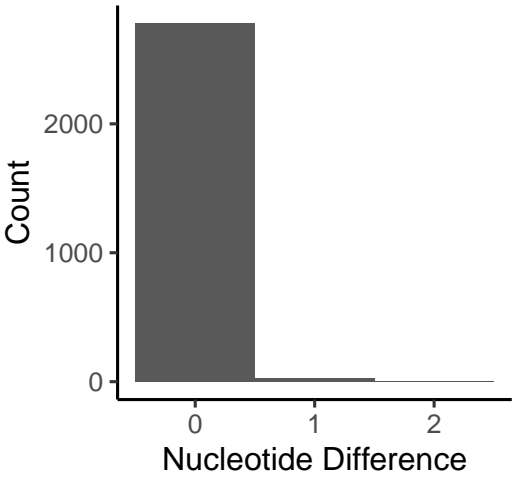


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



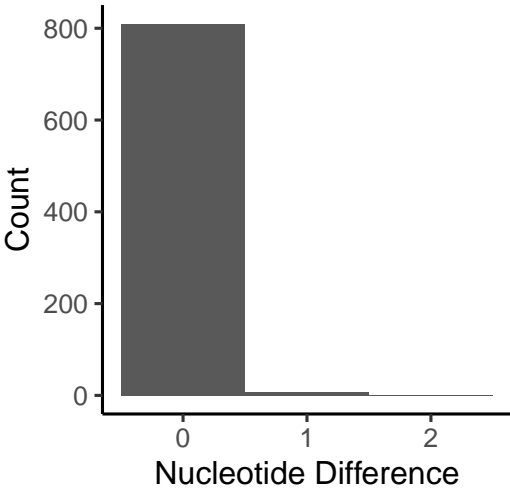
TRBV20-1*ap01

2808 sequences assigned
2779 (99%) exact matches, in which:
2749 unique CDR3
13 unique J



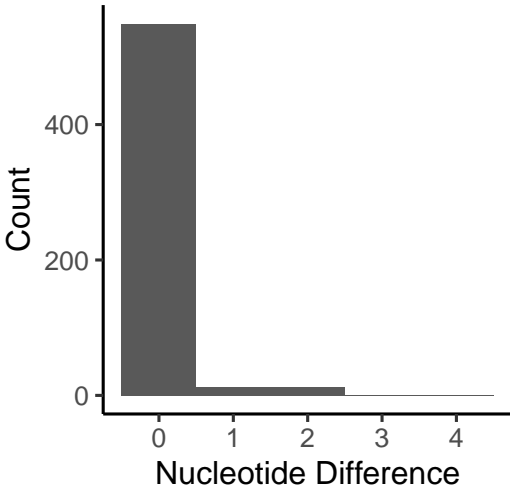
TRBV10-2*ap01

819 sequences assigned
810 (98.9%) exact matches, in which:
805 unique CDR3
13 unique J



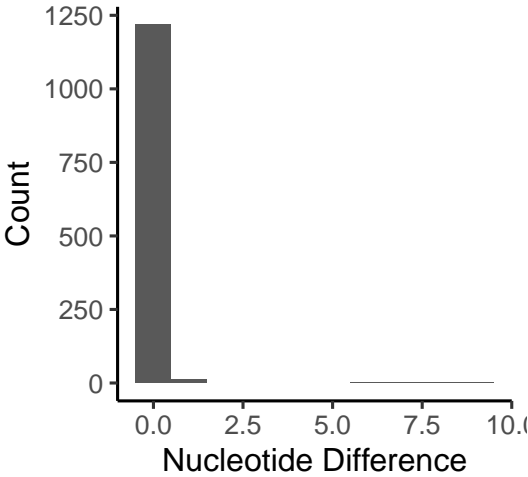
TRBV13*ap01

576 sequences assigned
549 (95.3%) exact matches, in which:
537 unique CDR3
13 unique J



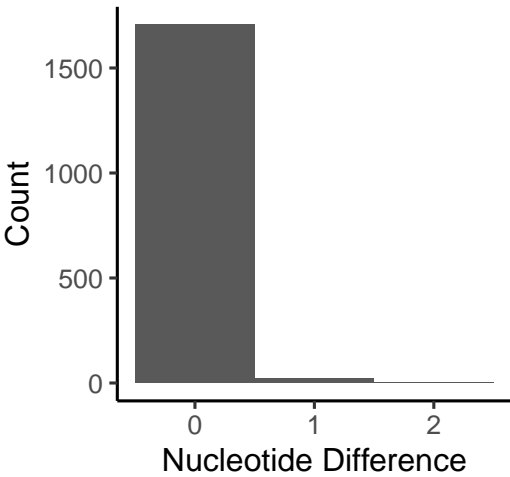
TRBV10-1*ap01

1233 sequences assigned
1218 (98.8%) exact matches, in which:
1188 unique CDR3
13 unique J



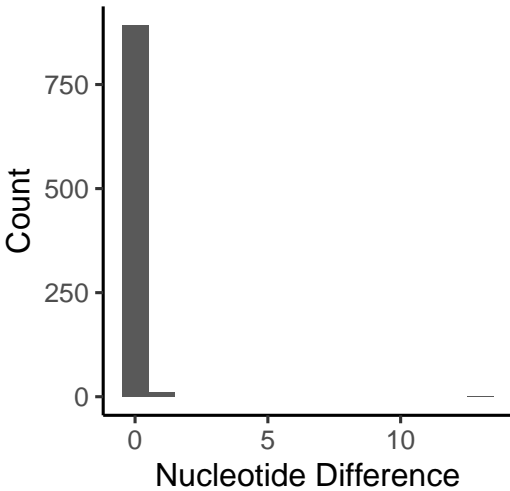
TRBV10-3*ap01

1730 sequences assigned
1706 (98.6%) exact matches, in which:
1672 unique CDR3
13 unique J



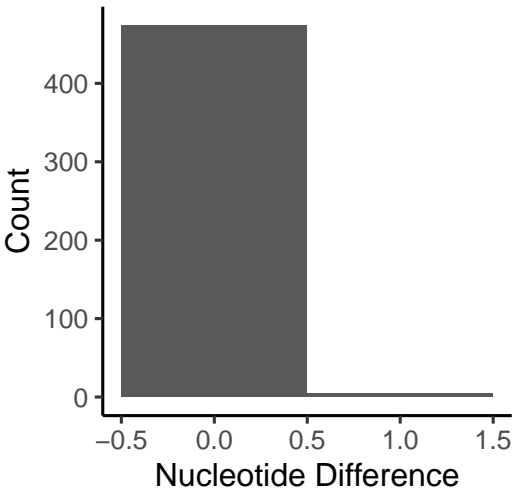
TRBV14*ap01

906 sequences assigned
893 (98.6%) exact matches, in which:
883 unique CDR3
13 unique J



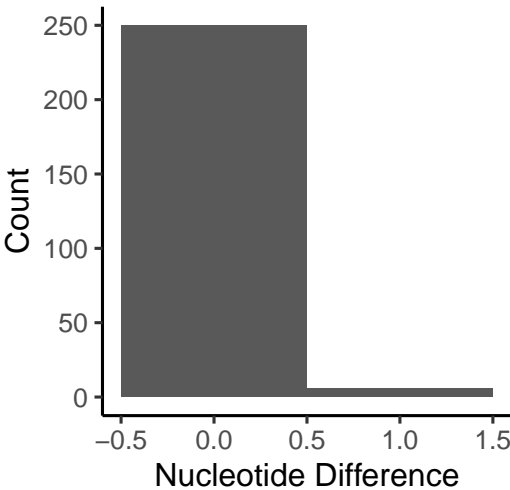
TRBV20-1*ap02

479 sequences assigned
474 (99%) exact matches, in which:
467 unique CDR3
12 unique J



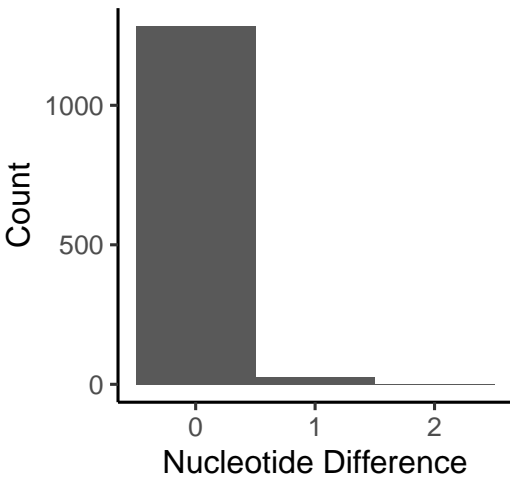
TRBV1*ap01

256 sequences assigned
250 (97.7%) exact matches, in which:
245 unique CDR3
14 unique J



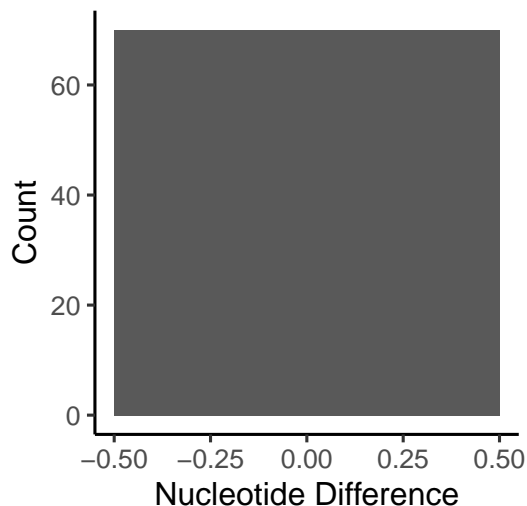
TRBV15*ap02

1313 sequences assigned
1284 (97.8%) exact matches, in which:
1260 unique CDR3
13 unique J



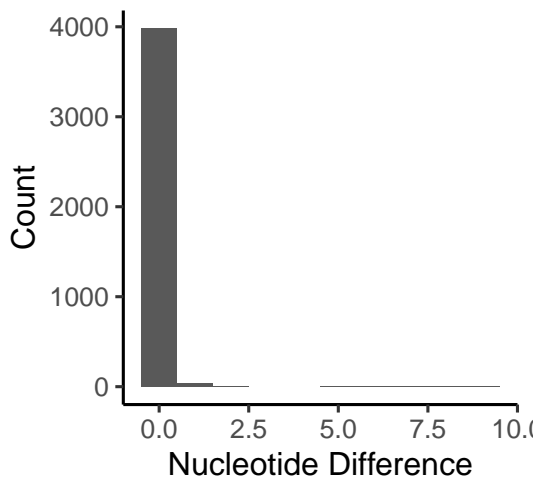
TRBV16*ap01

70 sequences assigned
70 (100%) exact matches, in which:
69 unique CDR3
11 unique J



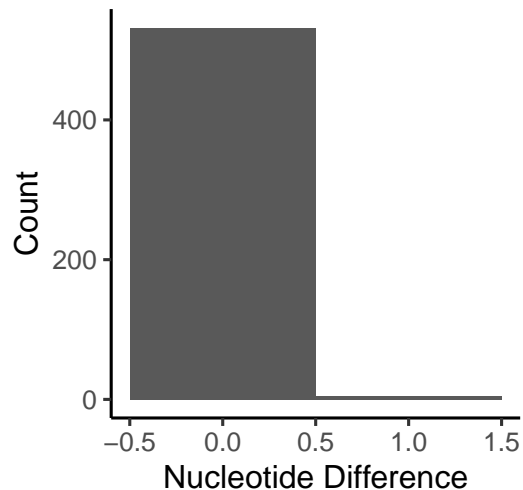
TRBV19*ap01

4026 sequences assigned
3982 (98.9%) exact matches, in which:
3943 unique CDR3
13 unique J



TRBV28*ap01

537 sequences assigned
532 (99.1%) exact matches, in which:
529 unique CDR3
13 unique J



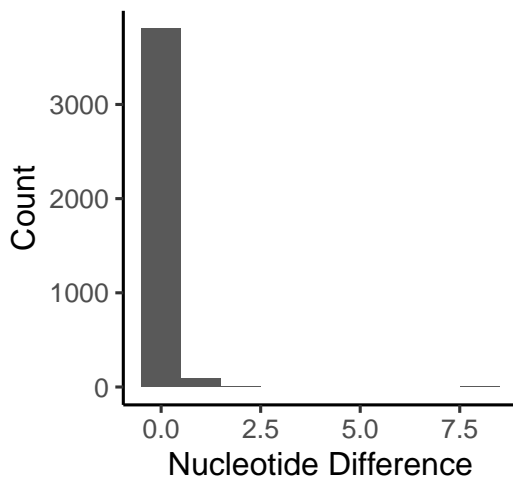
TRBV17*ap01

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



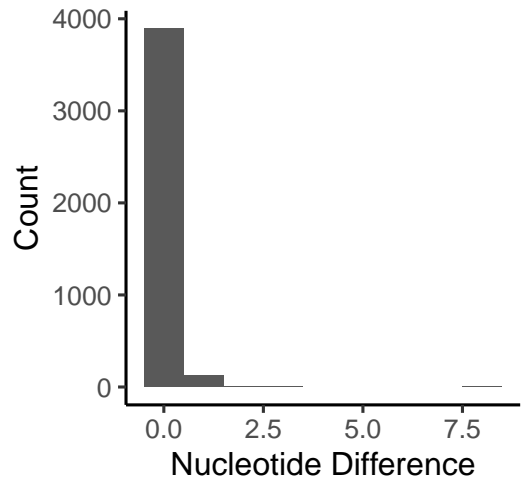
TRBV2*ap01

3905 sequences assigned
3804 (97.4%) exact matches, in which:
3715 unique CDR3
13 unique J



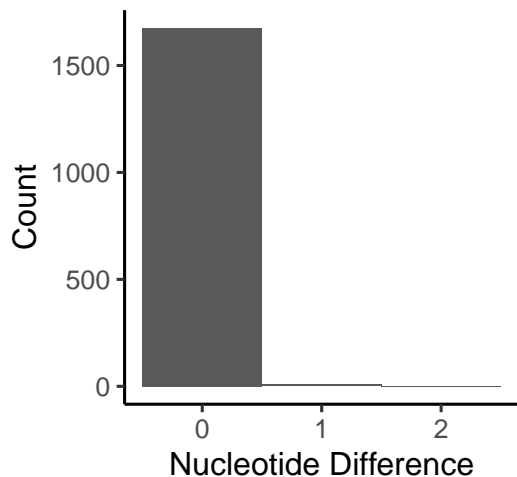
TRBV30*ap01

4030 sequences assigned
3892 (96.6%) exact matches, in which:
3775 unique CDR3
13 unique J



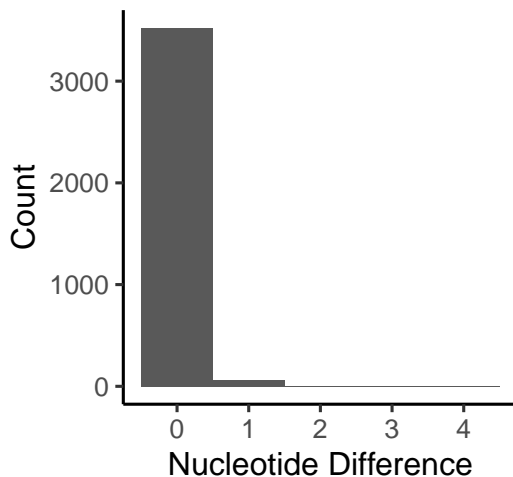
TRBV18*ap01

1685 sequences assigned
1675 (99.4%) exact matches, in which:
1663 unique CDR3
13 unique J



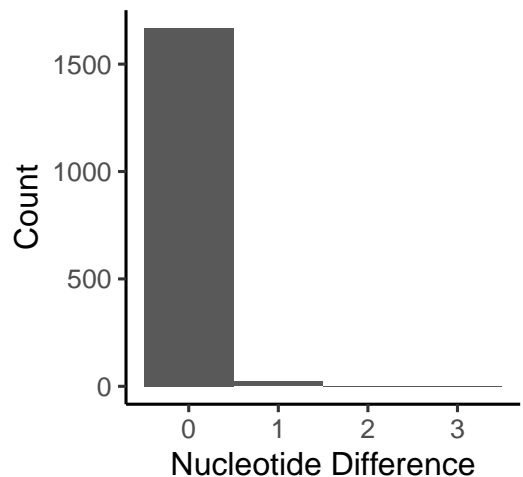
TRBV27*ap01

3592 sequences assigned
3522 (98.1%) exact matches, in which:
3487 unique CDR3
13 unique J



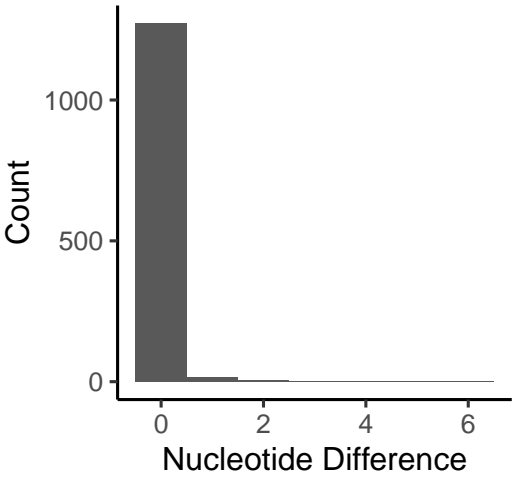
TRBV9*ap01

1693 sequences assigned
1668 (98.5%) exact matches, in which:
1650 unique CDR3
13 unique J



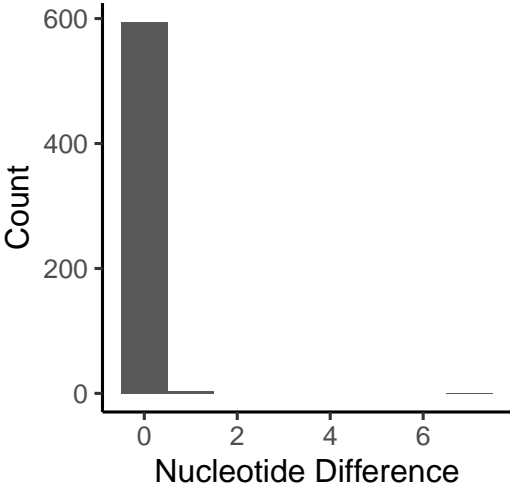
TRBV21-1*ap01

1298 sequences assigned
1272 (98%) exact matches, in which:
1267 unique CDR3
13 unique J



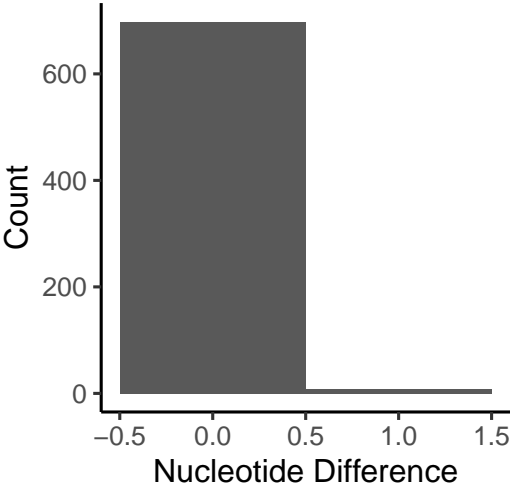
TRBV11-3*ap01

600 sequences assigned
595 (99.2%) exact matches, in which:
592 unique CDR3
13 unique J



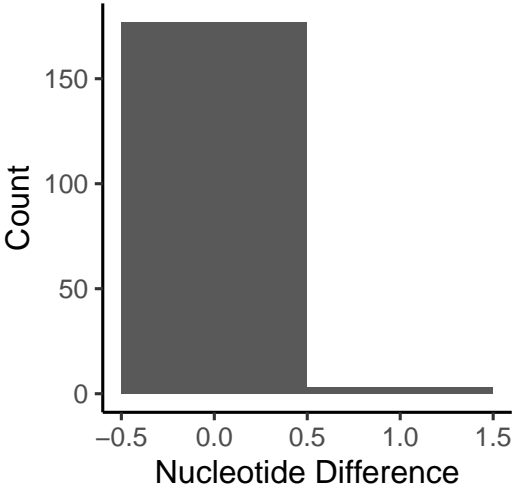
TRBV12-5*ap01

707 sequences assigned
698 (98.7%) exact matches, in which:
693 unique CDR3
13 unique J



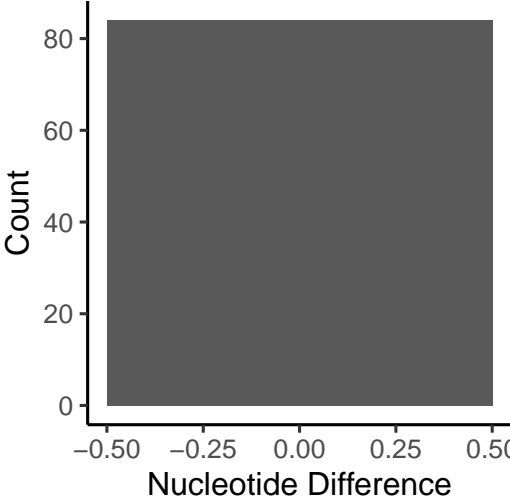
TRBV11-1*ap01

180 sequences assigned
177 (98.3%) exact matches, in which:
173 unique CDR3
12 unique J



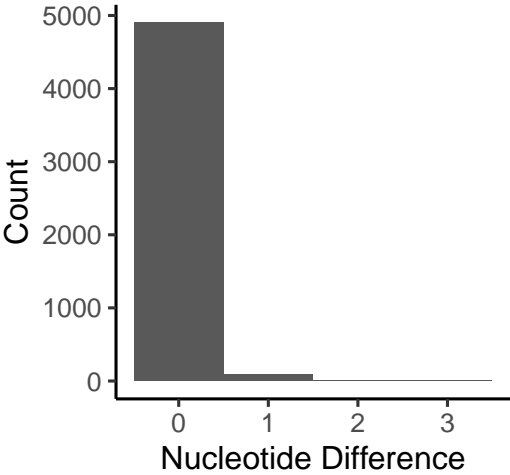
TRBV12-1*ap01

84 sequences assigned
84 (100%) exact matches, in which:
83 unique CDR3
12 unique J



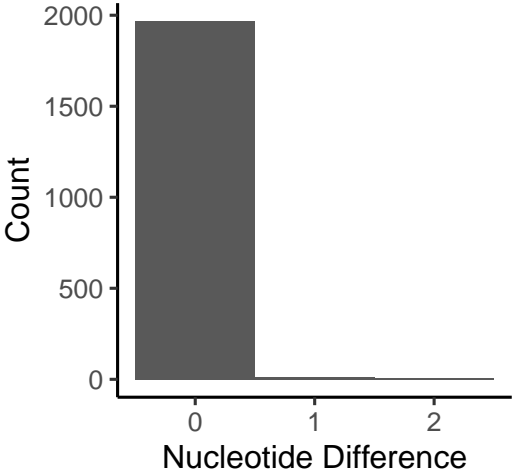
TRBV12-34*ap01

4995 sequences assigned
4901 (98.1%) exact matches, in which:
4830 unique CDR3
13 unique J



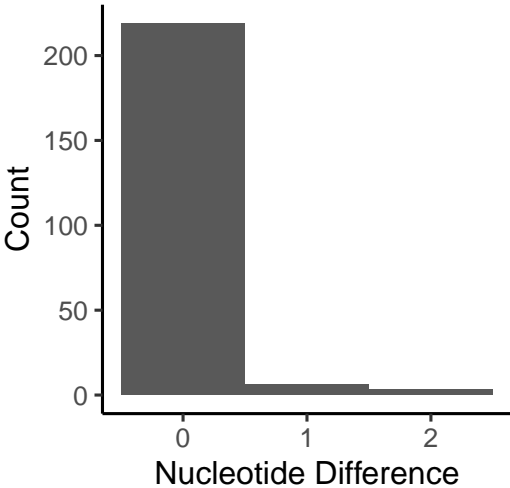
TRBV11-2*ap01

1986 sequences assigned
1968 (99.1%) exact matches, in which:
1955 unique CDR3
13 unique J



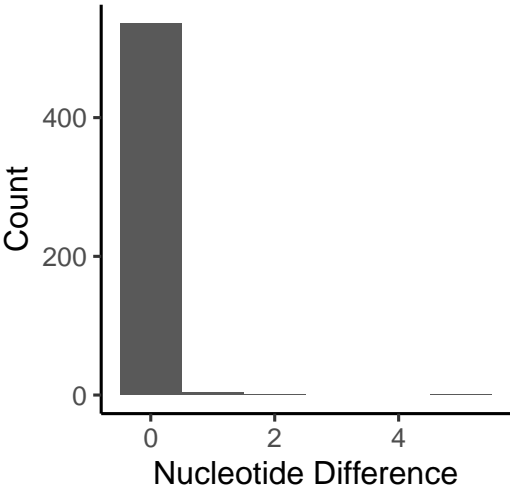
TRBV12-2*ap01

228 sequences assigned
219 (96.1%) exact matches, in which:
215 unique CDR3
12 unique J



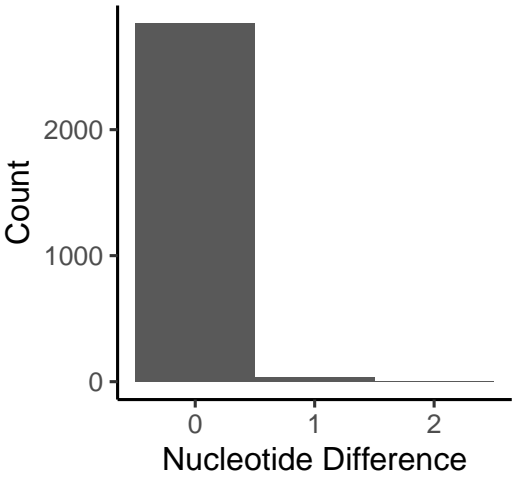
TRBV23-1*ap01

541 sequences assigned
536 (99.1%) exact matches, in which:
531 unique CDR3
13 unique J



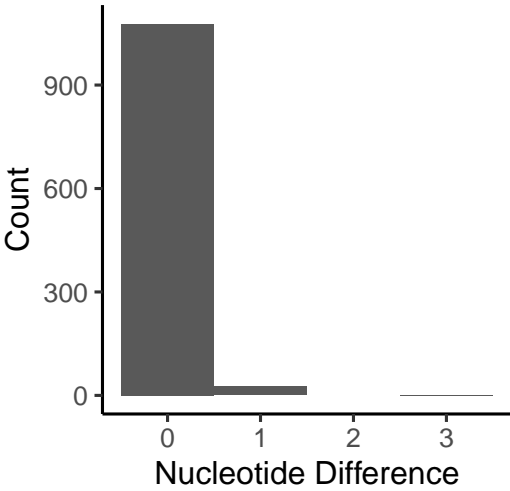
TRBV3-12*ap01

2880 sequences assigned
2843 (98.7%) exact matches, in which:
2817 unique CDR3
13 unique J



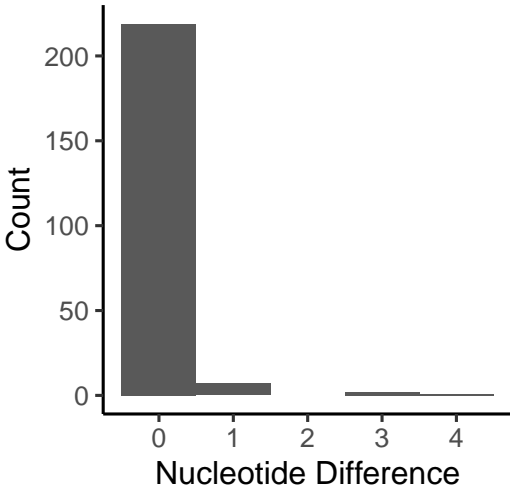
TRBV4-2*ap01

1105 sequences assigned
1078 (97.6%) exact matches, in which:
1063 unique CDR3
13 unique J



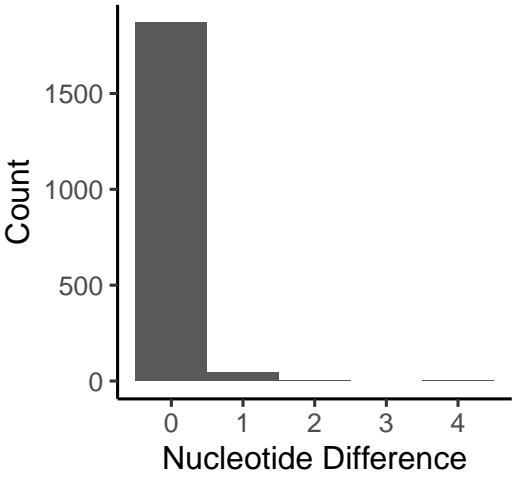
TRBV5-3*ap01

229 sequences assigned
219 (95.6%) exact matches, in which:
216 unique CDR3
12 unique J



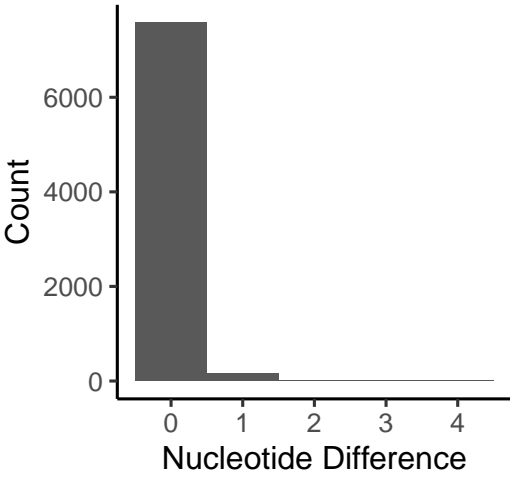
TRBV24-1*ap01

1917 sequences assigned
1869 (97.5%) exact matches, in which:
1843 unique CDR3
13 unique J



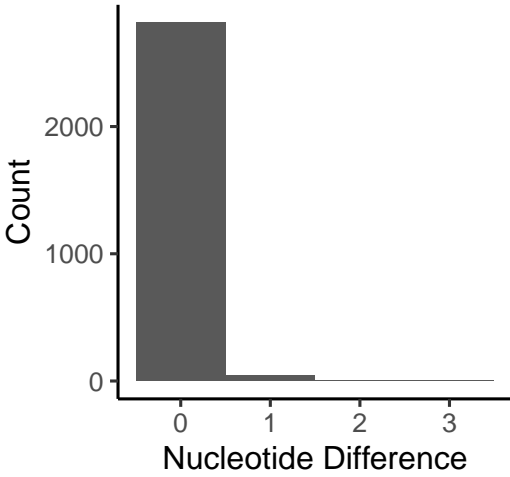
TRBV5-1*ap01

7743 sequences assigned
7577 (97.9%) exact matches, in which:
7428 unique CDR3
13 unique J



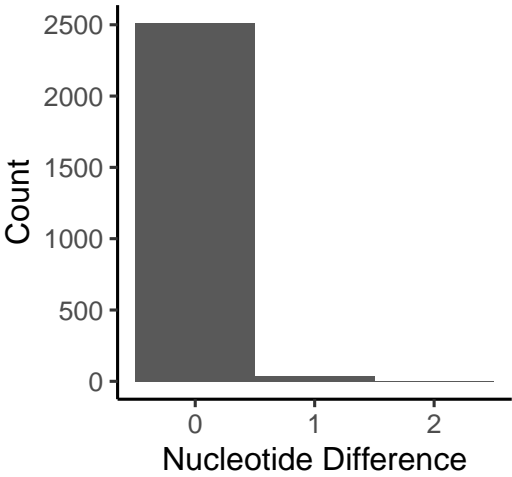
TRBV5-4*ap01

2861 sequences assigned
2816 (98.4%) exact matches, in which:
2773 unique CDR3
13 unique J



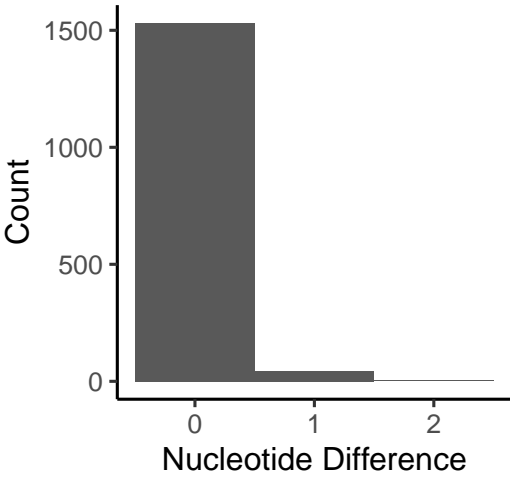
TRBV4-1*ap01

2551 sequences assigned
2512 (98.5%) exact matches, in which:
2457 unique CDR3
13 unique J



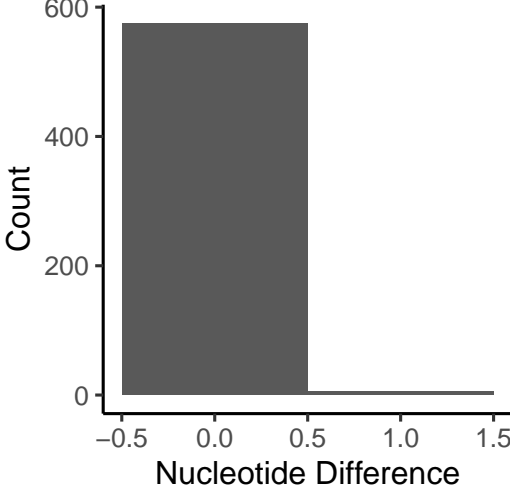
TRBV25-1*ap01

1579 sequences assigned
1531 (97%) exact matches, in which:
1478 unique CDR3
13 unique J



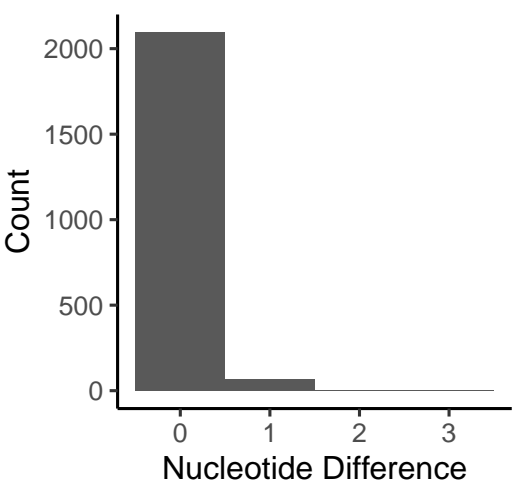
TRBV5-5*ap01

580 sequences assigned
575 (99.1%) exact matches, in which:
571 unique CDR3
12 unique J



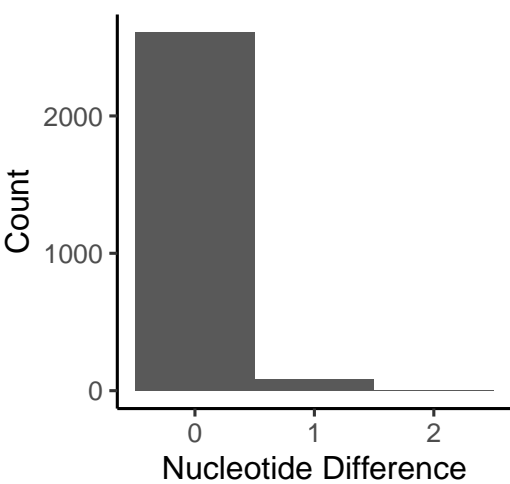
TRBV5-6*ap01

2166 sequences assigned
2095 (96.7%) exact matches, in which:
2041 unique CDR3
13 unique J



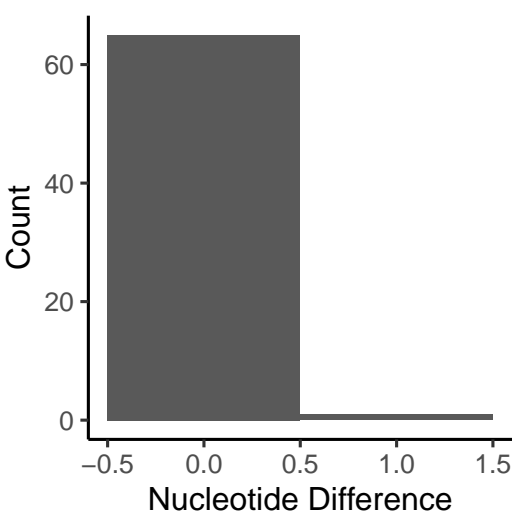
TRBV6-1*ap01

2699 sequences assigned
2608 (96.6%) exact matches, in which:
2544 unique CDR3
13 unique J



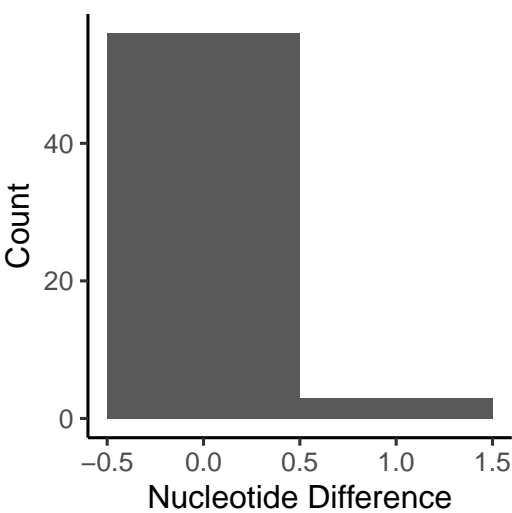
TRBV6-8*ap01

66 sequences assigned
65 (98.5%) exact matches, in which:
64 unique CDR3
12 unique J



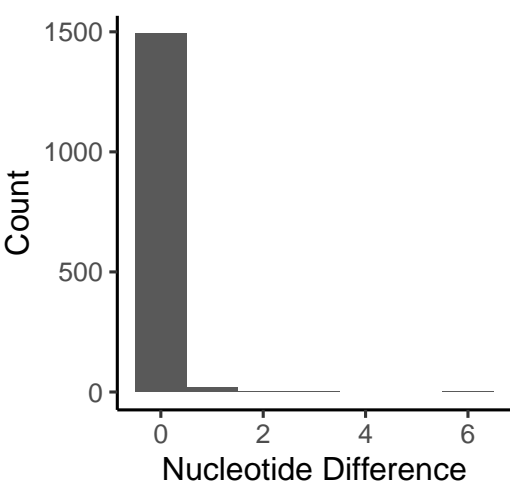
TRBV5-7*ap01

59 sequences assigned
56 (94.9%) exact matches, in which:
53 unique CDR3
12 unique J



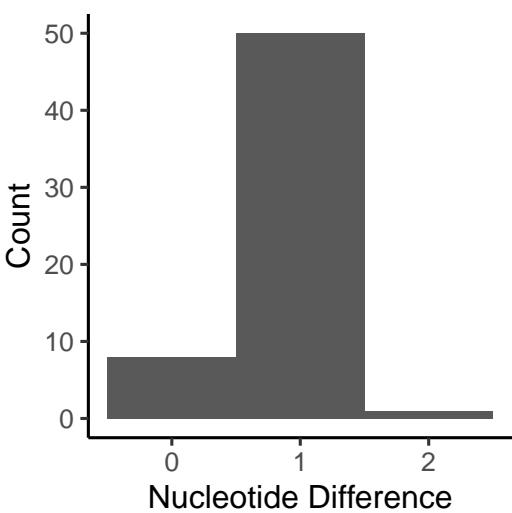
TRBV6-4*ap01

1520 sequences assigned
1492 (98.2%) exact matches, in which:
1469 unique CDR3
13 unique J



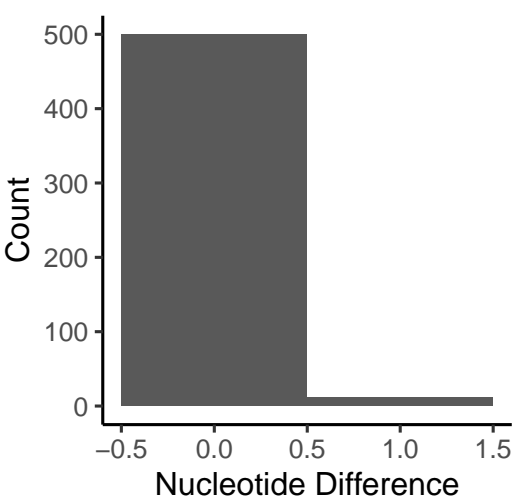
TRBV6-9*ap01

59 sequences assigned
8 (13.6%) exact matches, in which:
8 unique CDR3
6 unique J



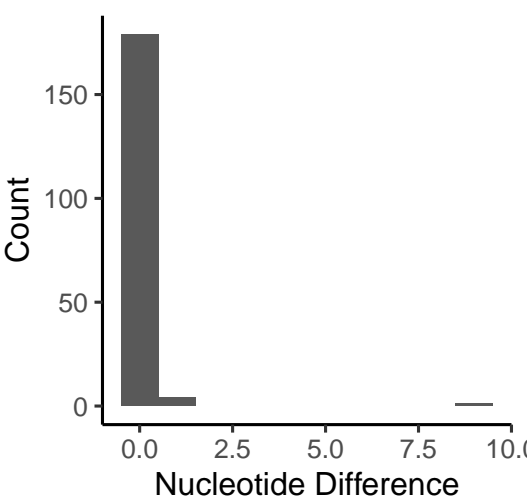
TRBV5-8*ap01

512 sequences assigned
500 (97.7%) exact matches, in which:
498 unique CDR3
13 unique J



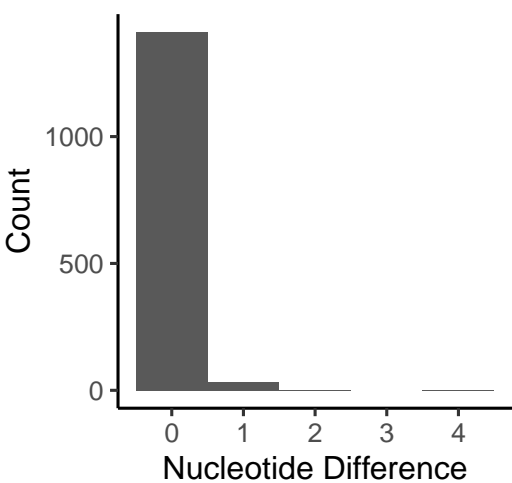
TRBV6-7*ap01

184 sequences assigned
179 (97.3%) exact matches, in which:
177 unique CDR3
13 unique J



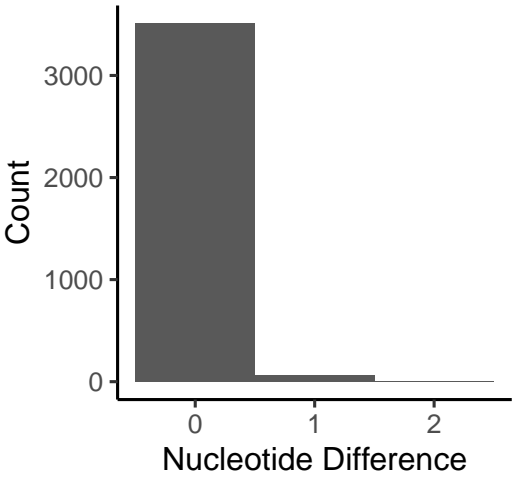
TRBV6-23*ap01

1447 sequences assigned
1412 (97.6%) exact matches, in which:
1362 unique CDR3
13 unique J



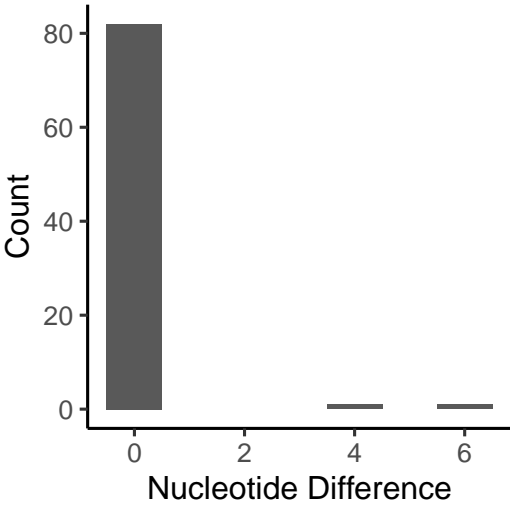
TRBV6-56*ap01

3581 sequences assigned
3510 (98%) exact matches, in which:
3411 unique CDR3
13 unique J



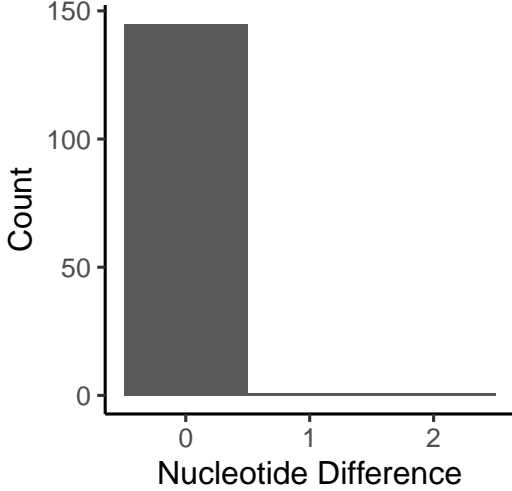
TRBV7-1*ap01_G291C_T

84 sequences assigned
82 (97.6%) exact matches, in which:
82 unique CDR3
11 unique J



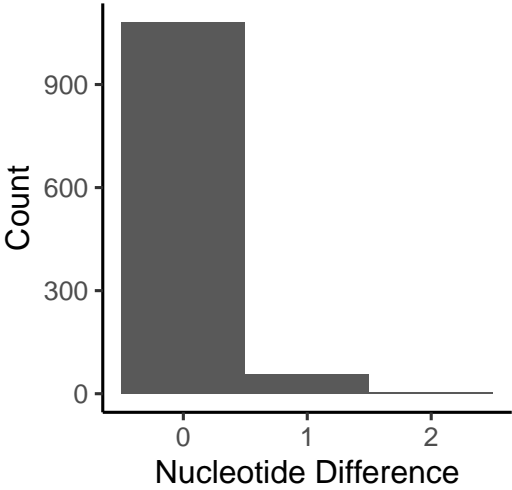
TRBV7-4*ap01

147 sequences assigned
145 (98.6%) exact matches, in which:
141 unique CDR3
12 unique J



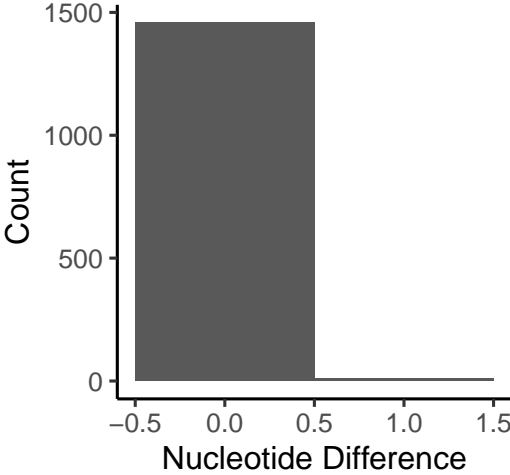
TRBV6-56*ap02

1143 sequences assigned
1082 (94.7%) exact matches, in which:
1053 unique CDR3
13 unique J



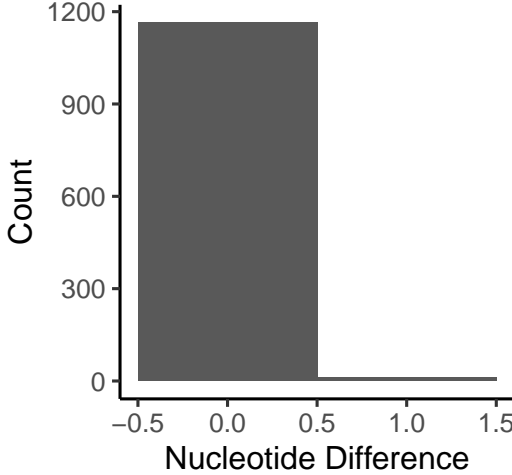
TRBV7-2*ap01

1469 sequences assigned
1458 (99.3%) exact matches, in which:
1444 unique CDR3
13 unique J



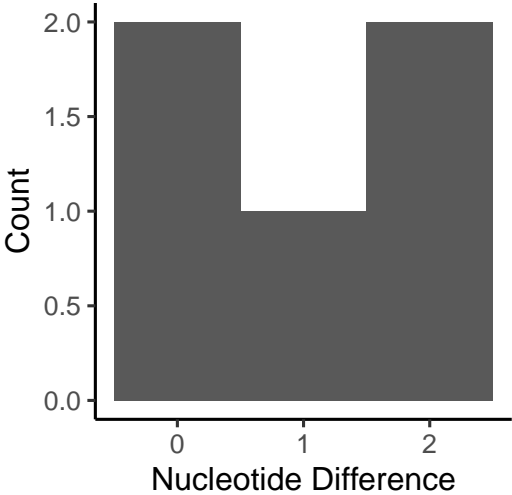
TRBV7-6*ap01

1177 sequences assigned
1164 (98.9%) exact matches, in which:
1143 unique CDR3
13 unique J



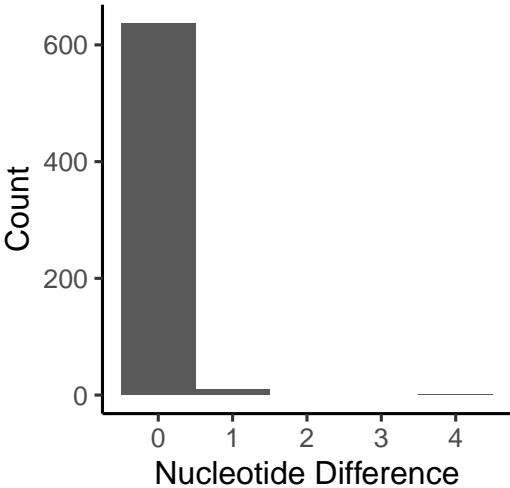
TRBV7-1*ap01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



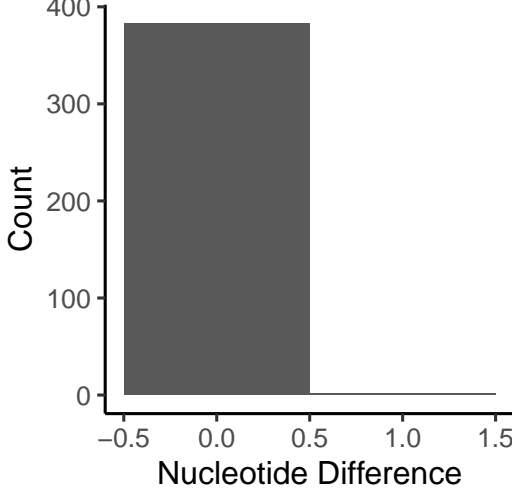
TRBV7-3*ap03

647 sequences assigned
637 (98.5%) exact matches, in which:
632 unique CDR3
13 unique J



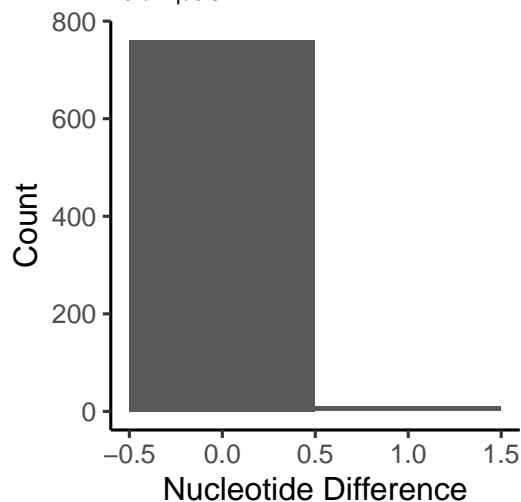
TRBV7-7*ap01

385 sequences assigned
383 (99.5%) exact matches, in which:
379 unique CDR3
12 unique J



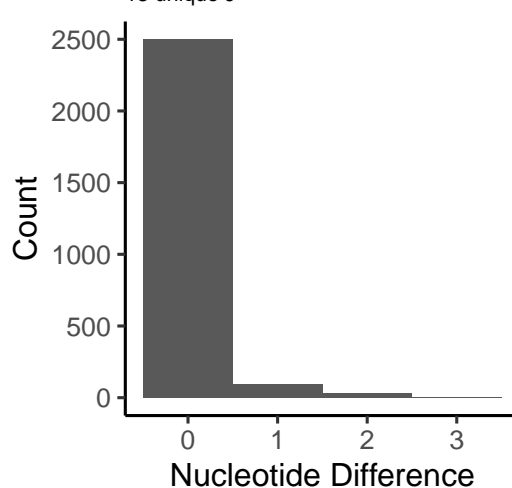
TRBV7-8*ap01

772 sequences assigned
762 (98.7%) exact matches, in which:
749 unique CDR3
13 unique J



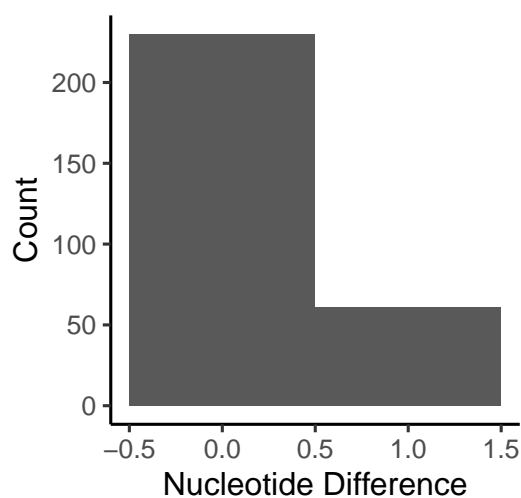
TRBV29-1*ap01

2628 sequences assigned
2499 (95.1%) exact matches, in which:
2402 unique CDR3
13 unique J



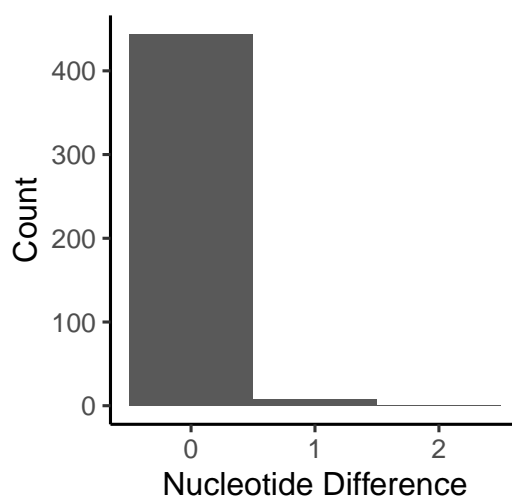
TRBV7-8*ap03

291 sequences assigned
230 (79%) exact matches, in which:
228 unique CDR3
13 unique J



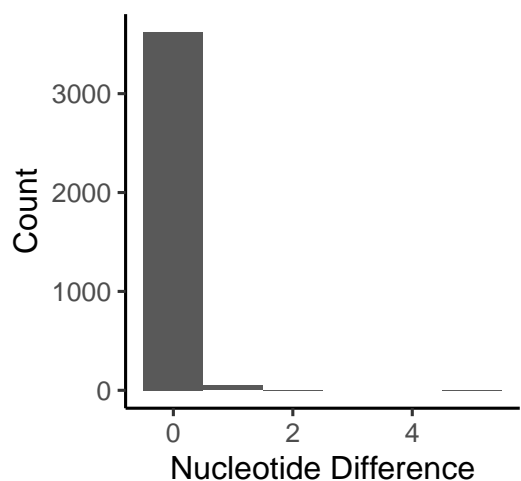
TRBV29-1*ap02

453 sequences assigned
444 (98%) exact matches, in which:
432 unique CDR3
13 unique J



TRBV7-9*ap01

3676 sequences assigned
3623 (98.6%) exact matches, in which:
3587 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

