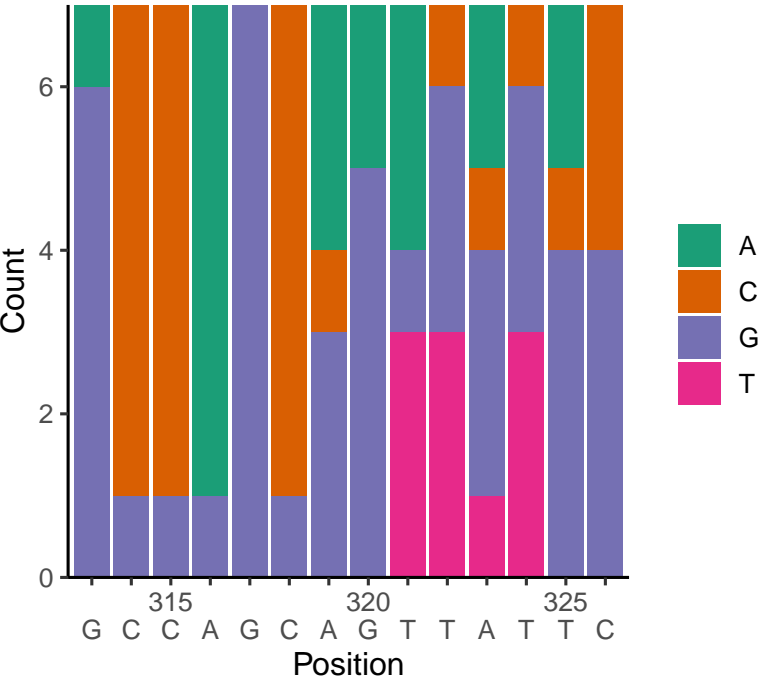
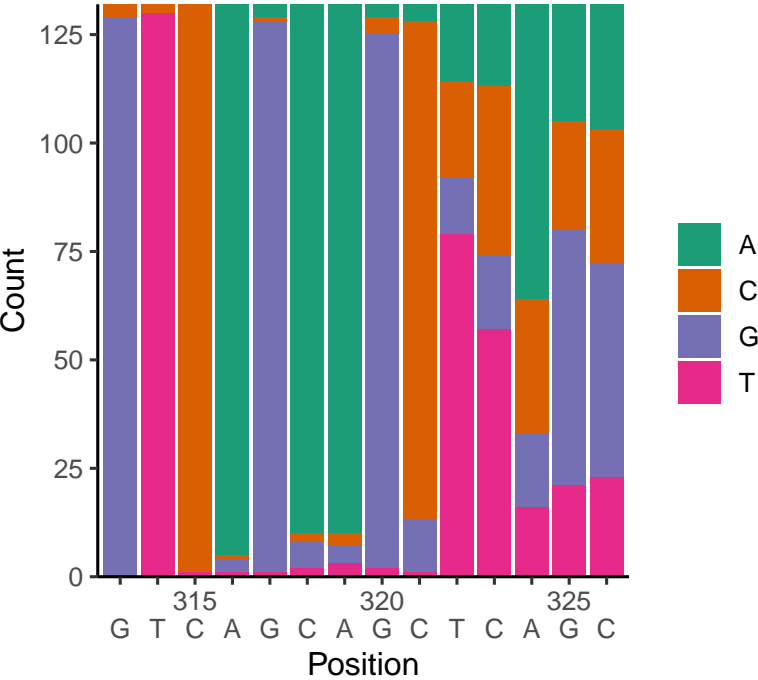


Gene TRBV6-9*ap01_A303C



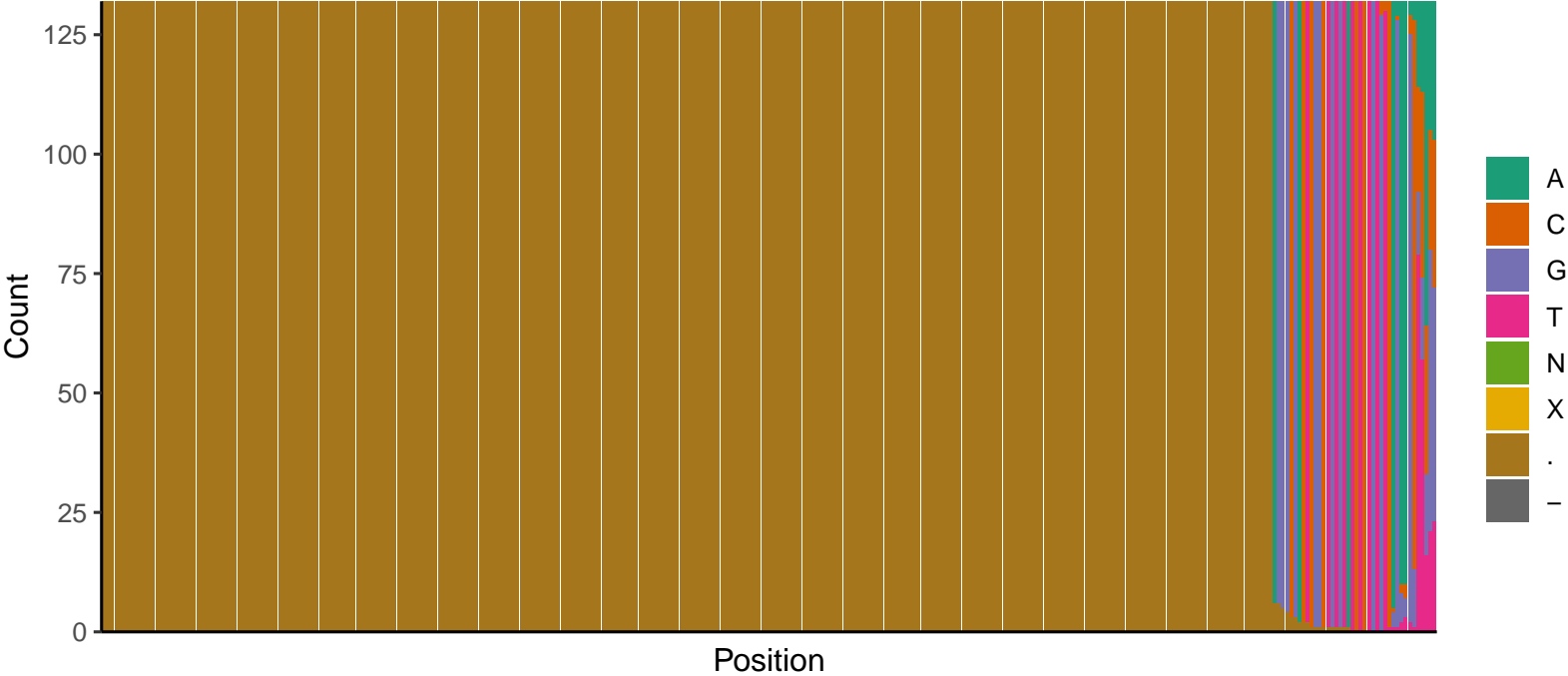
Gene TRBV7-1*ap01_G291C_T296C_C314T



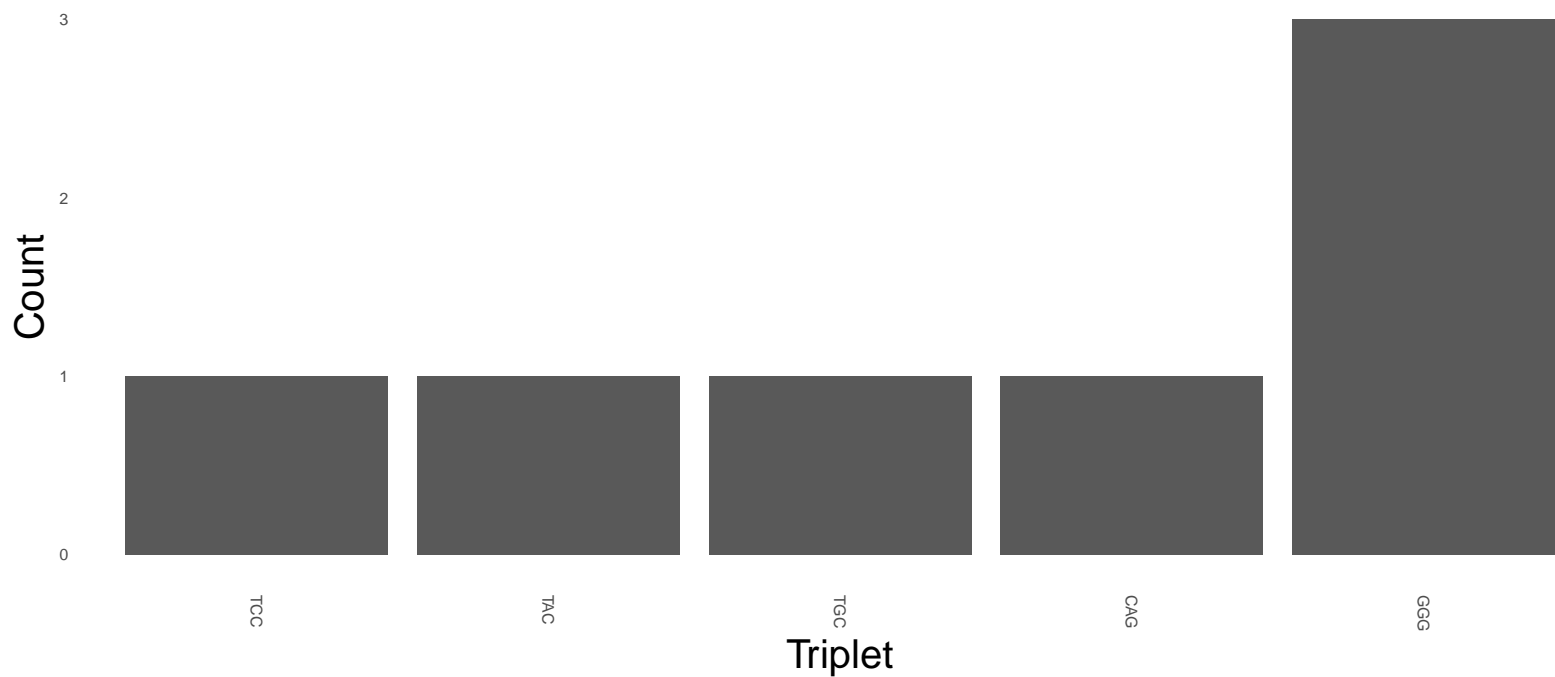
Gene TRBV6-9*ap01_A303C



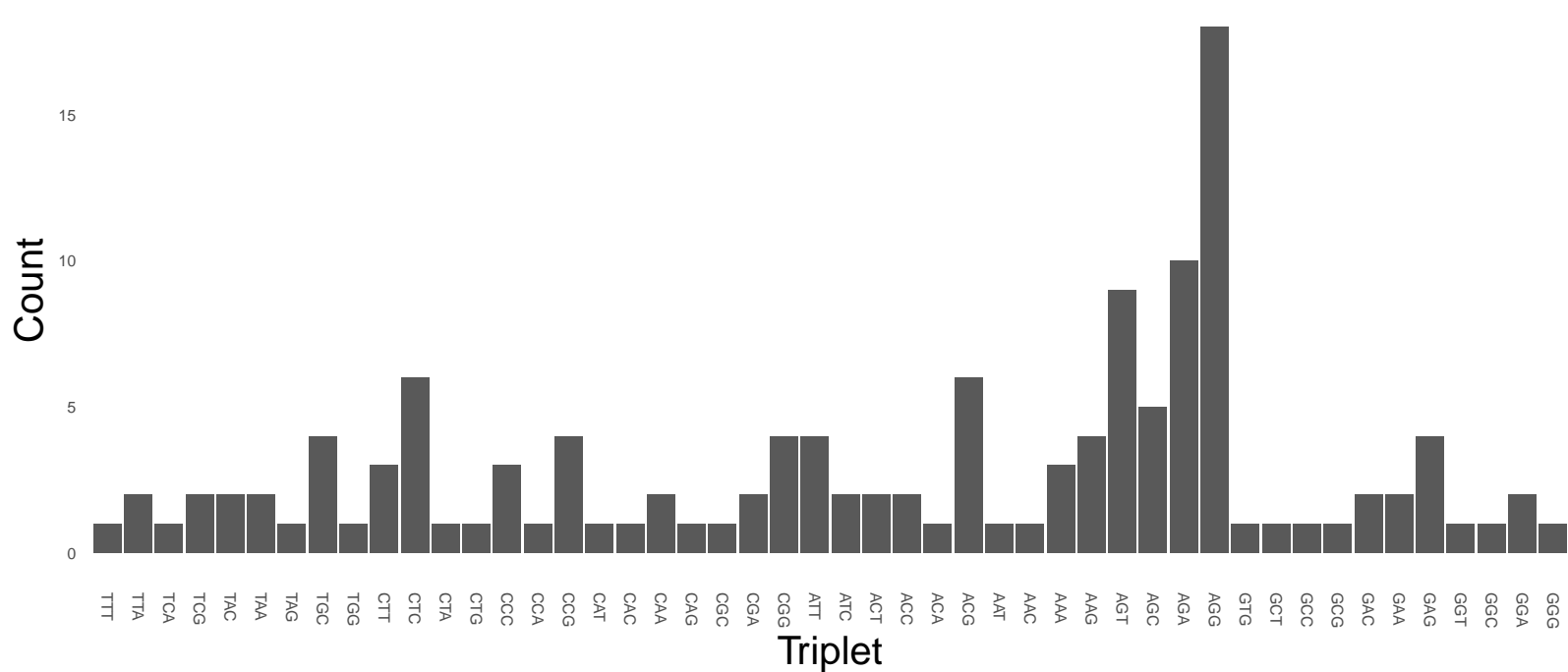
Gene TRBV7-1*ap01_G291C_T296C_C314T



TRBV6–9*ap01_A303C– Final 3 nucleotides as a triplet

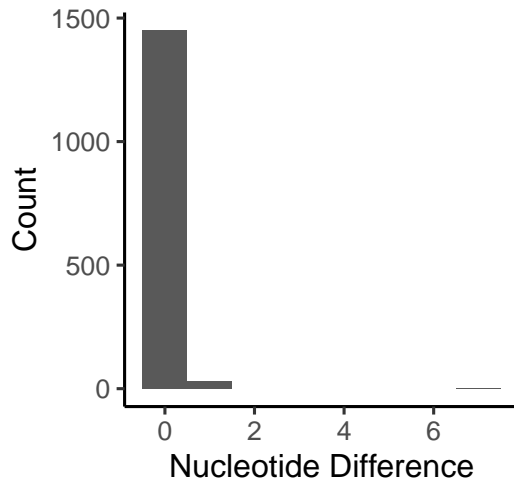


TRBV7–1*ap01_G291C_T296C_C314T– Final 3 nucleotides as a triplet



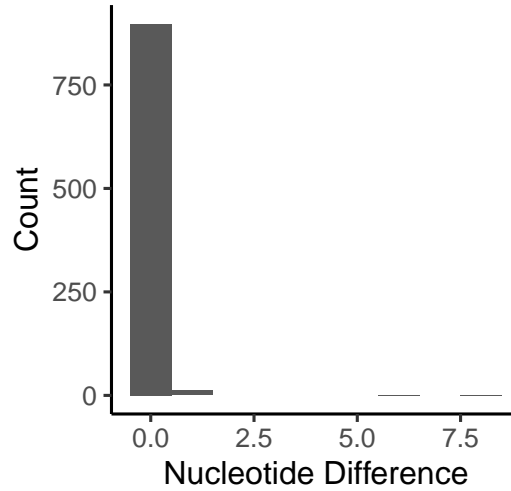
TRBV10-1*ap01

1483 sequences assigned
1450 (97.8%) exact matches, in which:
1406 unique CDR3
13 unique J



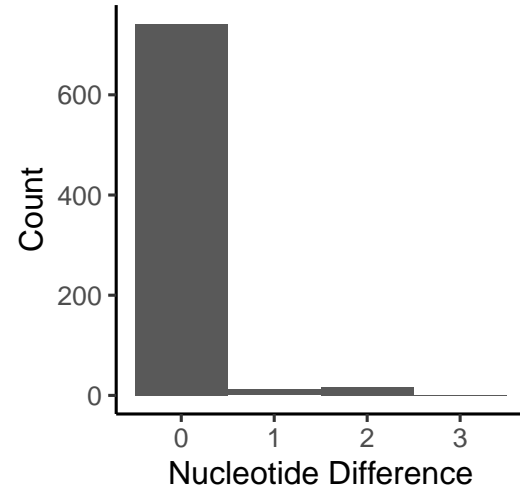
TRBV10-2*ap01

912 sequences assigned
898 (98.5%) exact matches, in which:
867 unique CDR3
13 unique J



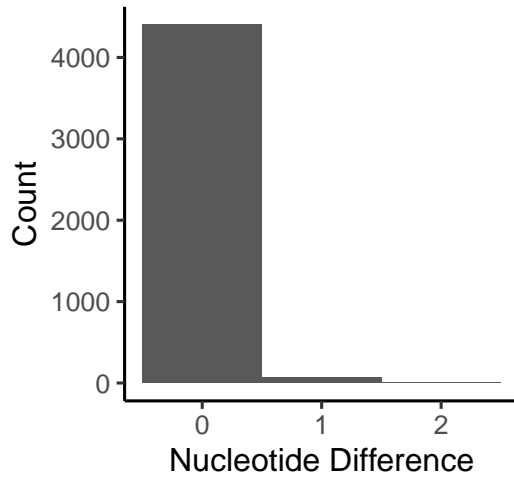
TRBV13*ap01

772 sequences assigned
742 (96.1%) exact matches, in which:
720 unique CDR3
13 unique J



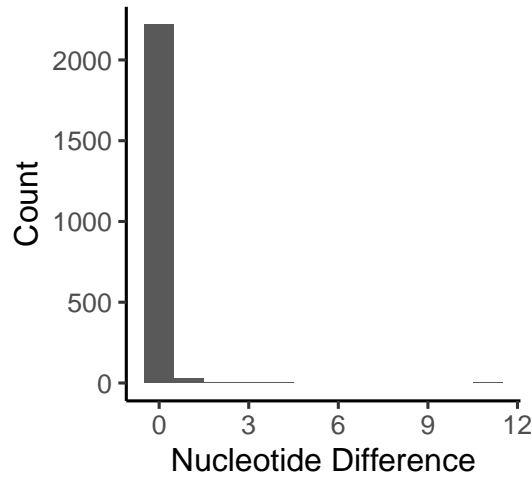
TRBV20-1*ap01

4468 sequences assigned
4402 (98.5%) exact matches, in which:
4246 unique CDR3
13 unique J



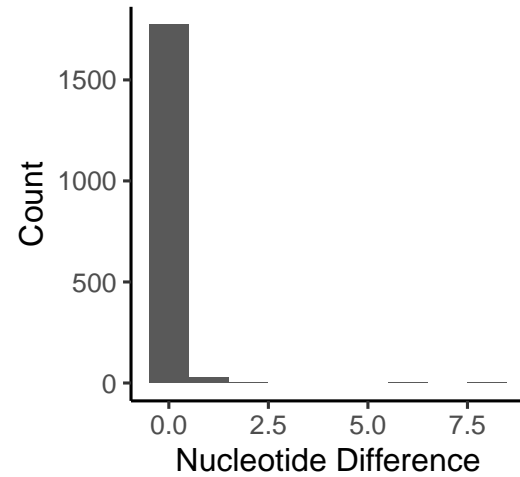
TRBV10-3*ap01

2252 sequences assigned
2218 (98.5%) exact matches, in which:
2142 unique CDR3
13 unique J



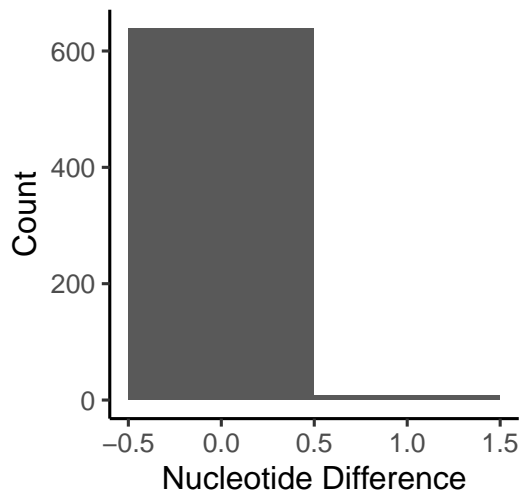
TRBV14*ap01

1802 sequences assigned
1773 (98.4%) exact matches, in which:
1724 unique CDR3
13 unique J



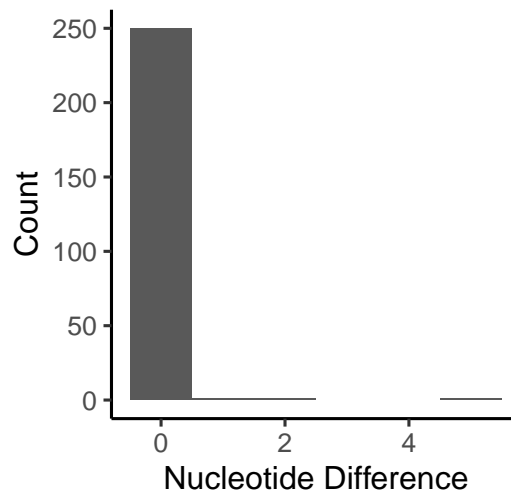
TRBV20-1*ap02

646 sequences assigned
639 (98.9%) exact matches, in which:
619 unique CDR3
13 unique J



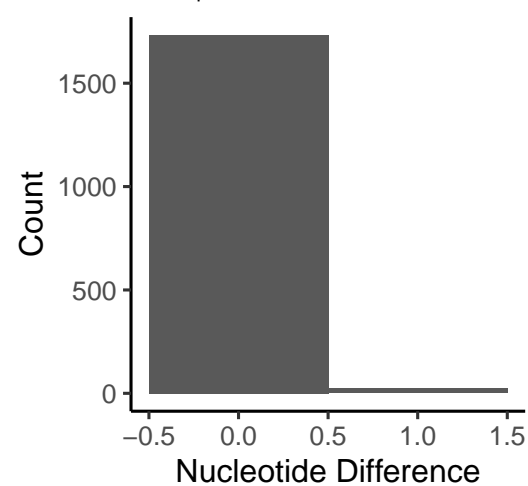
TRBV1*ap01

253 sequences assigned
250 (98.8%) exact matches, in which:
244 unique CDR3
13 unique J



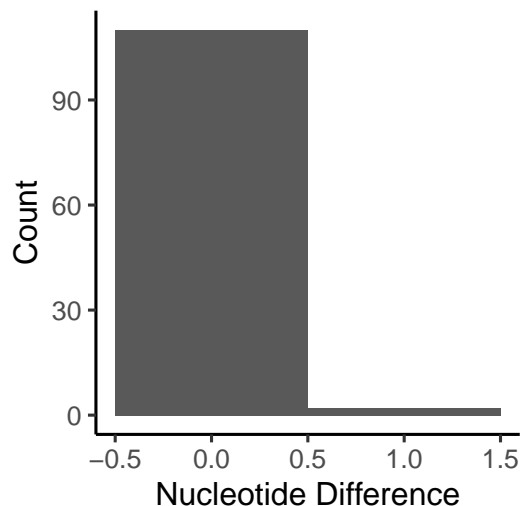
TRBV15*ap02

1756 sequences assigned
1733 (98.7%) exact matches, in which:
1666 unique CDR3
13 unique J



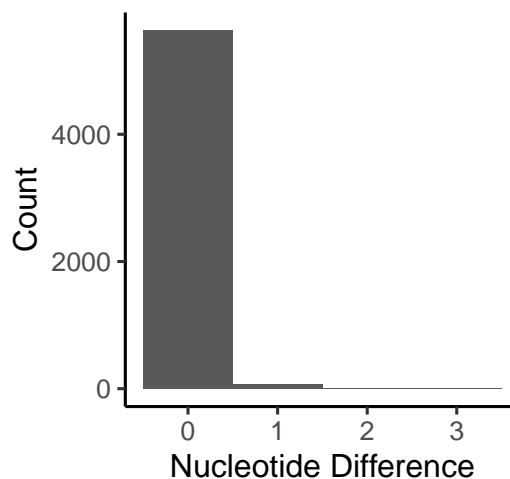
TRBV16*ap01

112 sequences assigned
110 (98.2%) exact matches, in which:
108 unique CDR3
13 unique J



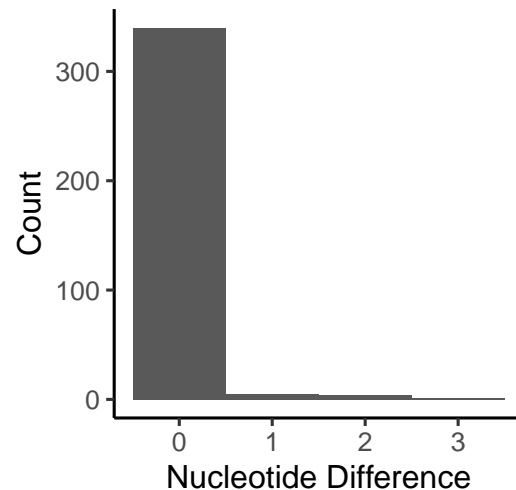
TRBV2*ap01

5716 sequences assigned
5634 (98.6%) exact matches, in which:
5480 unique CDR3
13 unique J



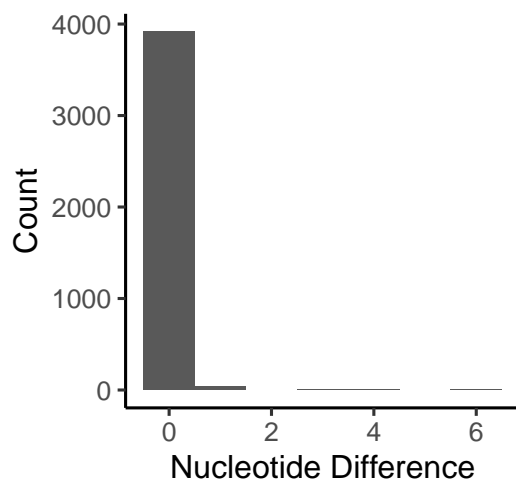
TRBV30*ap02

350 sequences assigned
340 (97.1%) exact matches, in which:
329 unique CDR3
13 unique J



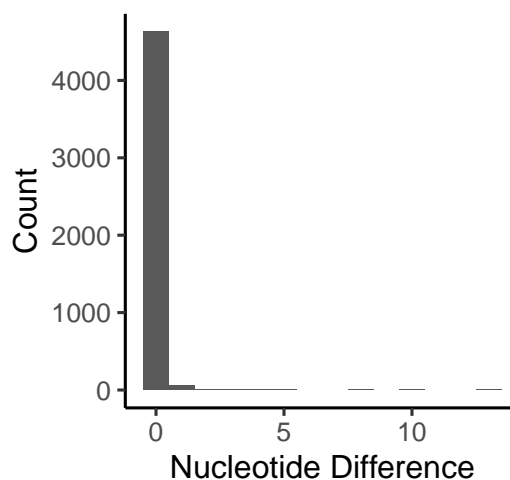
TRBV18*ap01

3957 sequences assigned
3916 (99%) exact matches, in which:
3823 unique CDR3
13 unique J



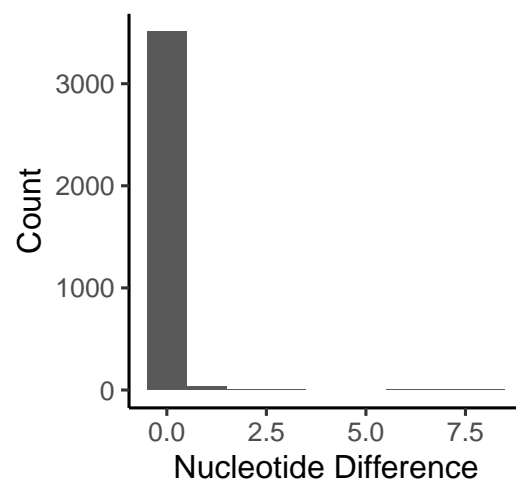
TRBV27*ap01

4698 sequences assigned
4629 (98.5%) exact matches, in which:
4459 unique CDR3
13 unique J



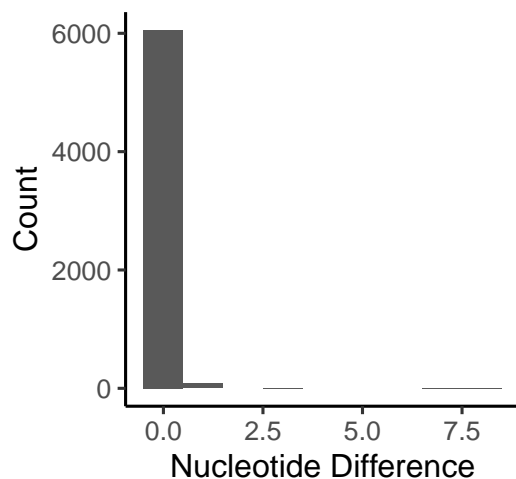
TRBV9*ap01

3551 sequences assigned
3509 (98.8%) exact matches, in which:
3426 unique CDR3
13 unique J



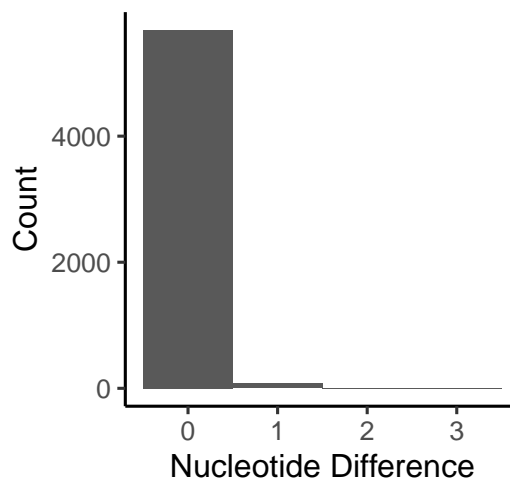
TRBV19*ap01

6142 sequences assigned
6055 (98.6%) exact matches, in which:
5913 unique CDR3
13 unique J



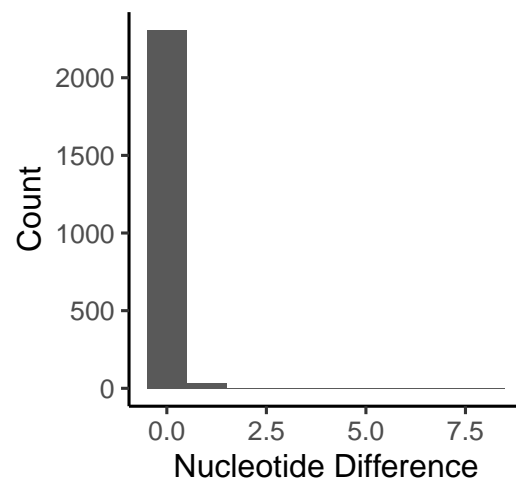
TRBV28*ap01

5766 sequences assigned
5683 (98.6%) exact matches, in which:
5457 unique CDR3
13 unique J



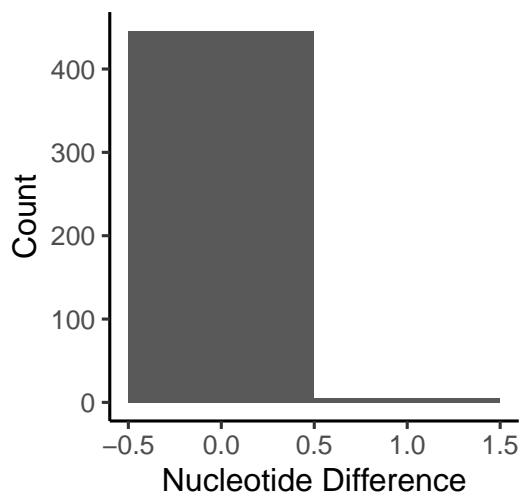
TRBV21-1*ap01

2359 sequences assigned
2307 (97.8%) exact matches, in which:
2235 unique CDR3
13 unique J



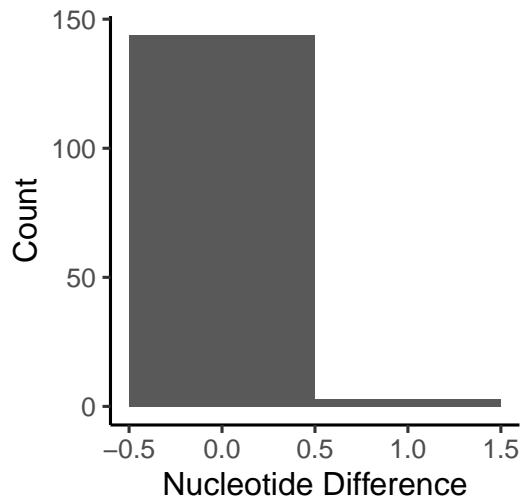
TRBV11-1*ap01

451 sequences assigned
446 (98.9%) exact matches, in which:
430 unique CDR3
13 unique J



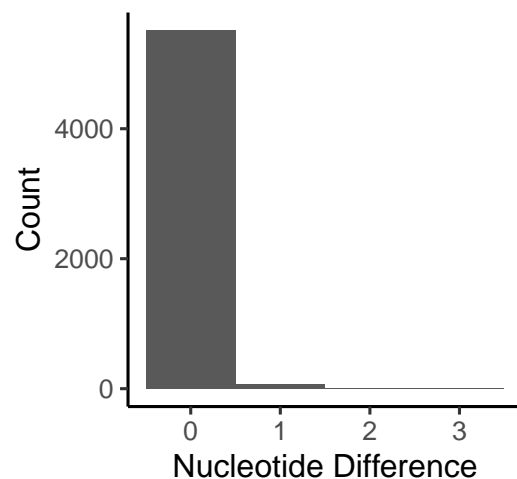
TRBV12-1*ap01

147 sequences assigned
144 (98%) exact matches, in which:
137 unique CDR3
12 unique J



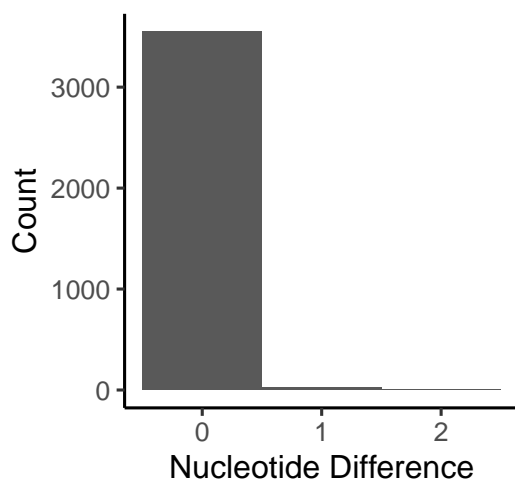
TRBV12-34*ap01

5592 sequences assigned
5513 (98.6%) exact matches, in which:
5351 unique CDR3
13 unique J



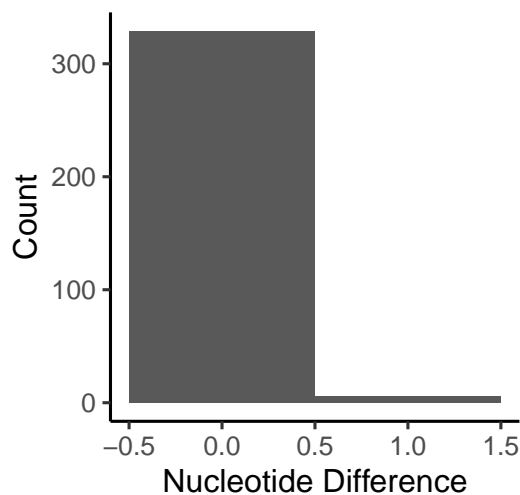
TRBV11-2*ap01

3578 sequences assigned
3549 (99.2%) exact matches, in which:
3434 unique CDR3
13 unique J



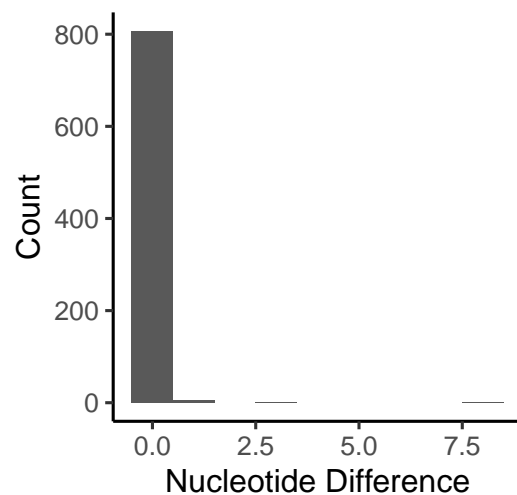
TRBV12-2*ap01

335 sequences assigned
329 (98.2%) exact matches, in which:
315 unique CDR3
13 unique J



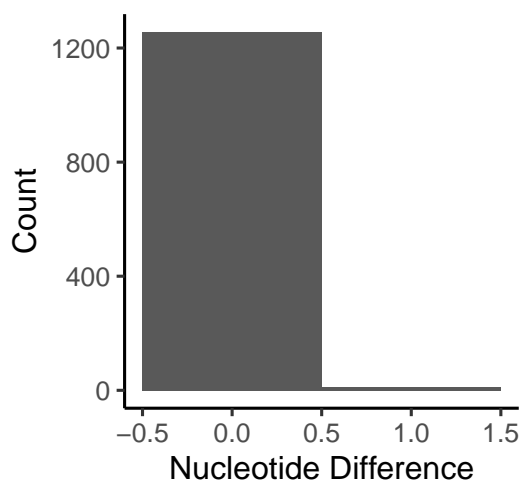
TRBV23-1*ap01

815 sequences assigned
807 (99%) exact matches, in which:
782 unique CDR3
13 unique J



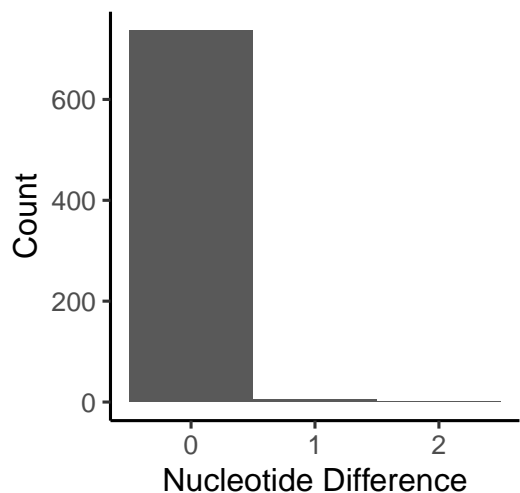
TRBV11-3*ap01

1268 sequences assigned
1256 (99.1%) exact matches, in which:
1203 unique CDR3
13 unique J



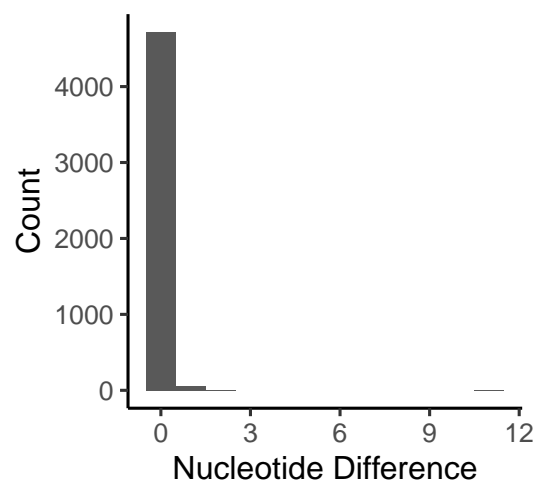
TRBV12-5*ap01

743 sequences assigned
737 (99.2%) exact matches, in which:
711 unique CDR3
13 unique J



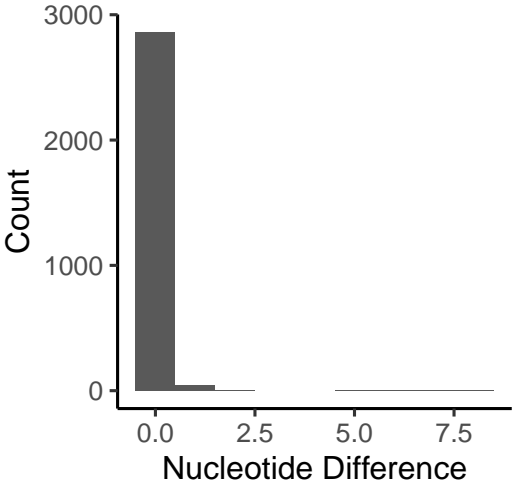
TRBV3-12*ap01

4785 sequences assigned
4718 (98.6%) exact matches, in which:
4582 unique CDR3
13 unique J



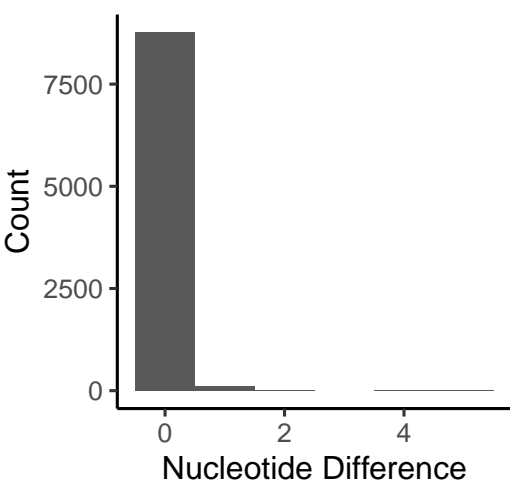
TRBV4-1*ap01

2907 sequences assigned
2859 (98.3%) exact matches, in which:
2772 unique CDR3
13 unique J



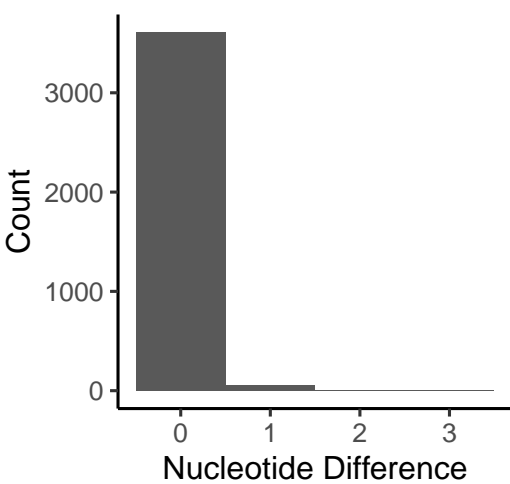
TRBV5-1*ap01

8879 sequences assigned
8765 (98.7%) exact matches, in which:
8460 unique CDR3
13 unique J



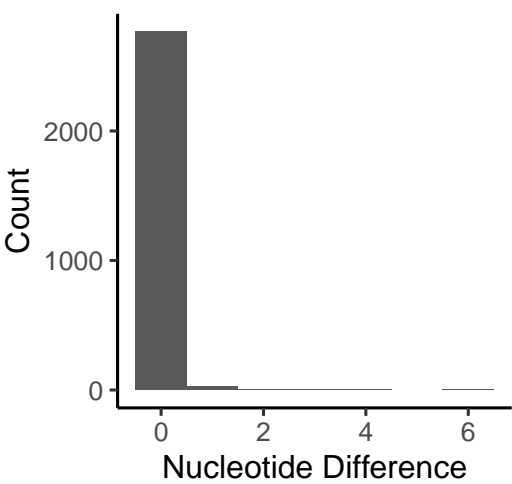
TRBV5-4*ap01

3668 sequences assigned
3608 (98.4%) exact matches, in which:
3483 unique CDR3
13 unique J



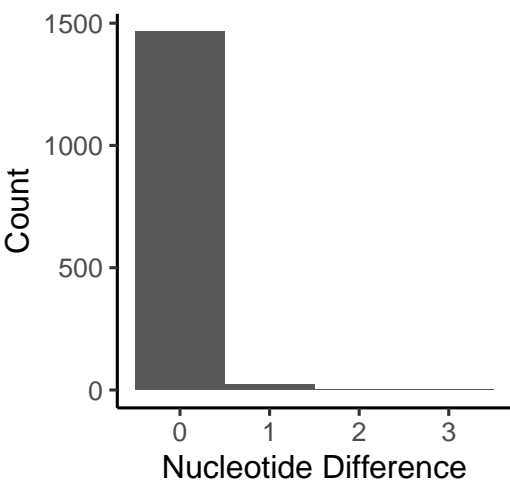
TRBV24-1*ap01

2805 sequences assigned
2766 (98.6%) exact matches, in which:
2699 unique CDR3
13 unique J



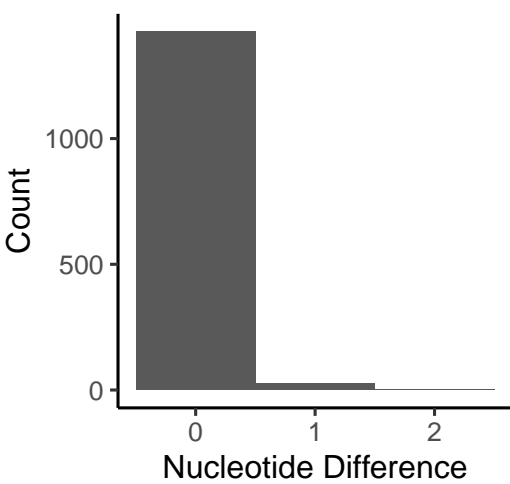
TRBV25-1*ap01

1491 sequences assigned
1465 (98.3%) exact matches, in which:
1421 unique CDR3
13 unique J



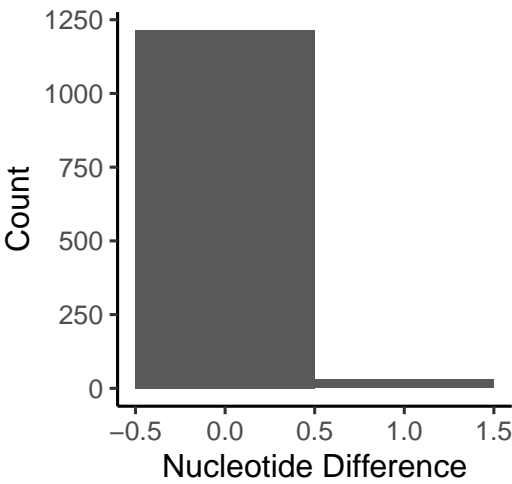
TRBV5-5*ap01

1452 sequences assigned
1425 (98.1%) exact matches, in which:
1384 unique CDR3
13 unique J



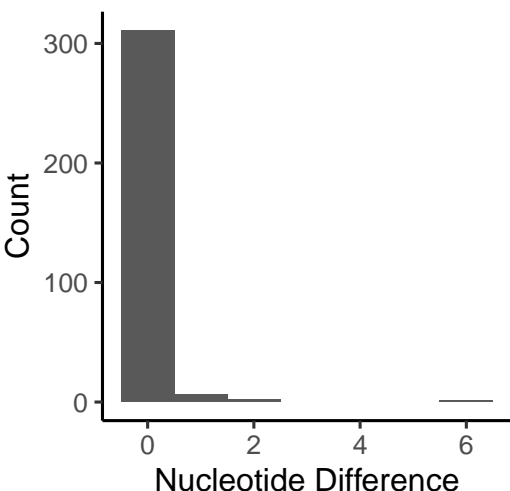
TRBV4-2*ap01

1245 sequences assigned
1215 (97.6%) exact matches, in which:
1180 unique CDR3
13 unique J



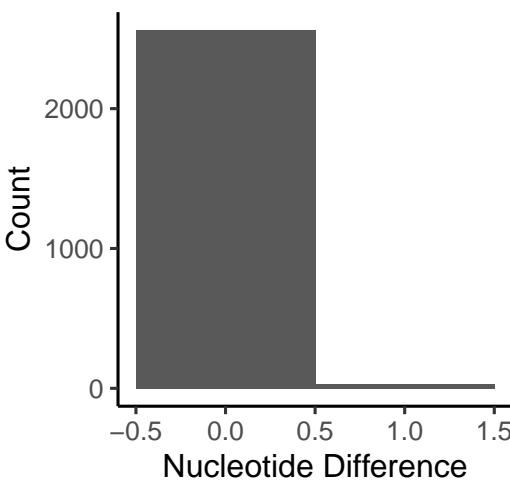
TRBV5-3*ap01

320 sequences assigned
311 (97.2%) exact matches, in which:
297 unique CDR3
13 unique J



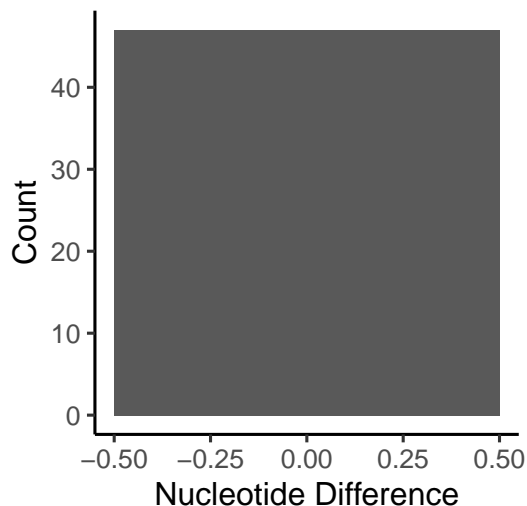
TRBV5-6*ap01

2592 sequences assigned
2562 (98.8%) exact matches, in which:
2479 unique CDR3
13 unique J



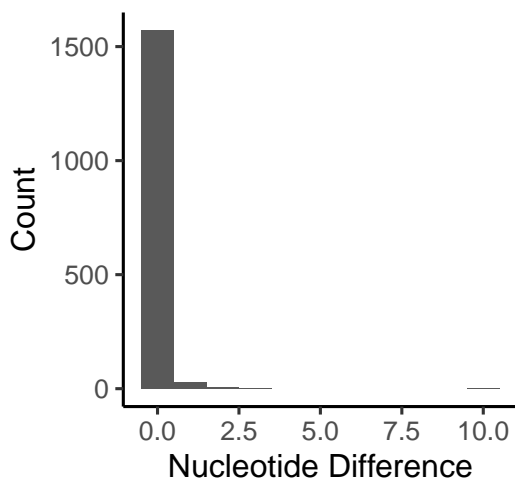
TRBV5-7*ap01

47 sequences assigned
47 (100%) exact matches, in which:
47 unique CDR3
11 unique J



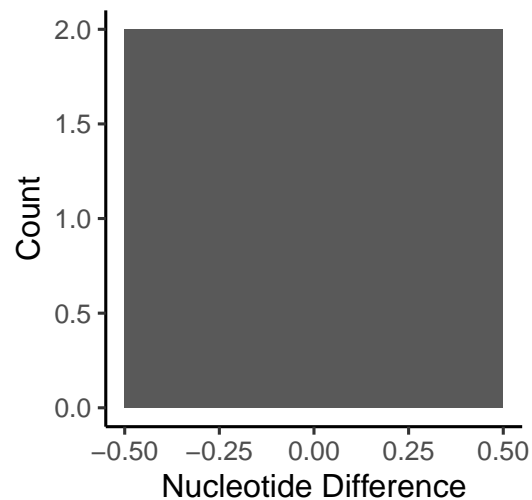
TRBV6-4*ap01

1610 sequences assigned
1571 (97.6%) exact matches, in which:
1528 unique CDR3
13 unique J



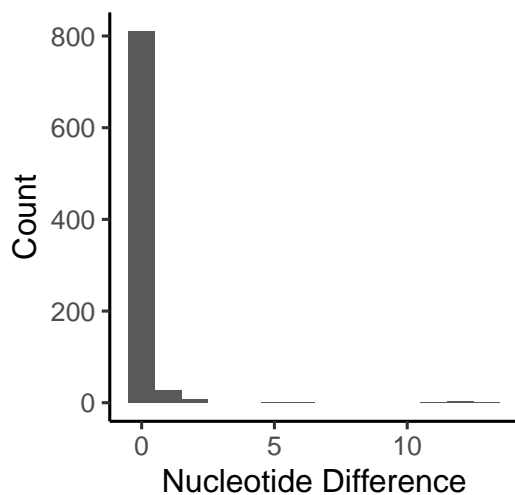
TRBV6-9*ap01

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



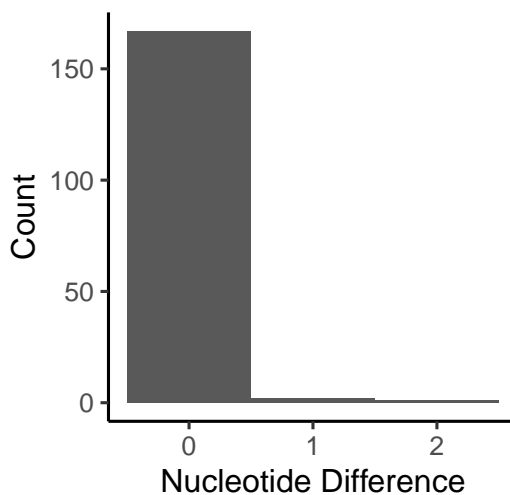
TRBV5-8*ap01

853 sequences assigned
811 (95.1%) exact matches, in which:
796 unique CDR3
13 unique J



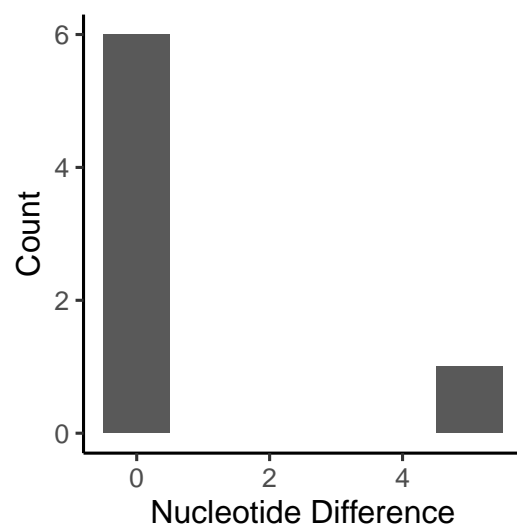
TRBV6-7*ap01

170 sequences assigned
167 (98.2%) exact matches, in which:
165 unique CDR3
13 unique J



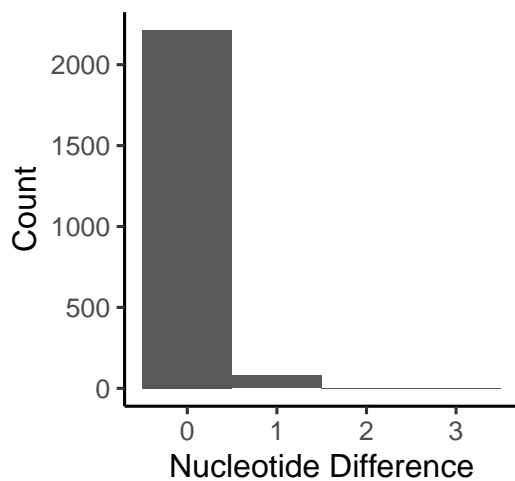
TRBV6-9*ap01_A303C

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



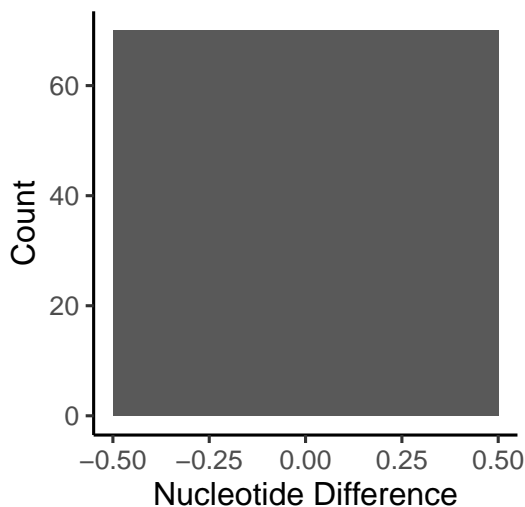
TRBV6-1*ap01

2296 sequences assigned
2214 (96.4%) exact matches, in which:
2135 unique CDR3
13 unique J



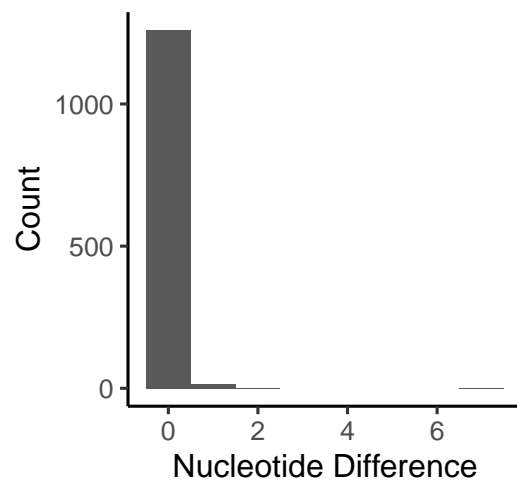
TRBV6-8*ap01

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



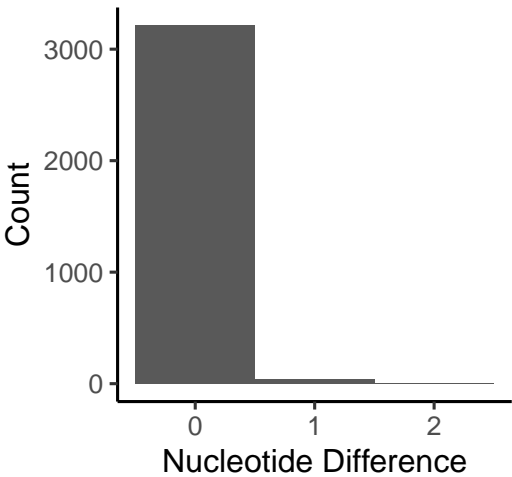
TRBV6-23*ap01

1279 sequences assigned
1260 (98.5%) exact matches, in which:
1231 unique CDR3
13 unique J



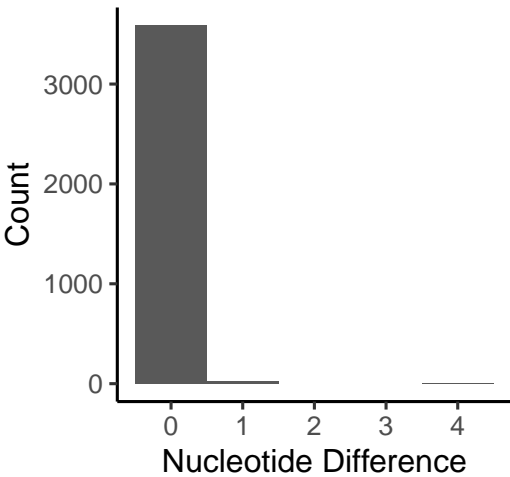
TRBV6-56*ap01

3259 sequences assigned
3213 (98.6%) exact matches, in which:
3105 unique CDR3
13 unique J



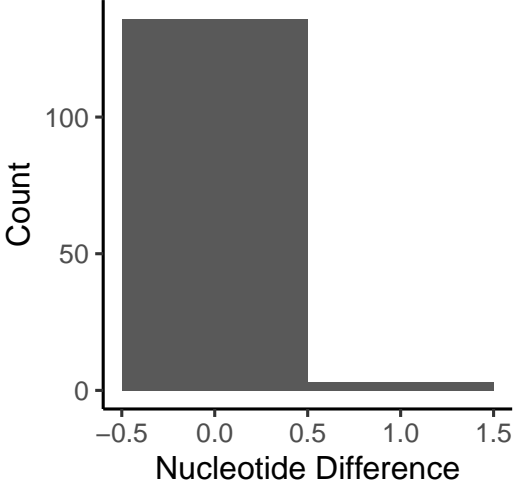
TRBV7-2*ap01

3615 sequences assigned
3587 (99.2%) exact matches, in which:
3468 unique CDR3
13 unique J



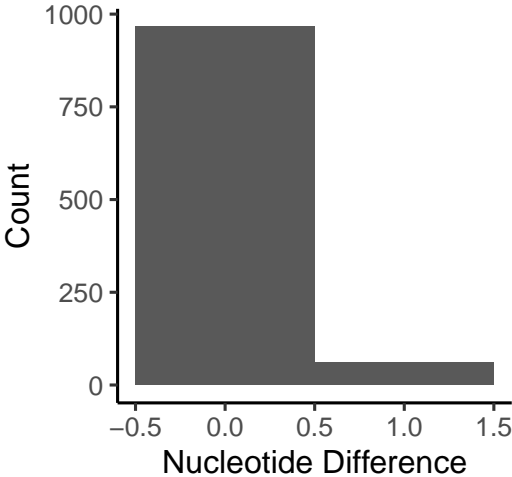
TRBV7-4*ap01

139 sequences assigned
136 (97.8%) exact matches, in which:
133 unique CDR3
13 unique J



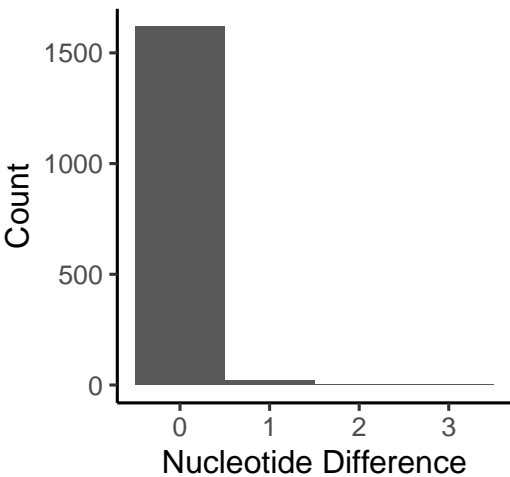
TRBV6-56*ap02

1028 sequences assigned
966 (94%) exact matches, in which:
937 unique CDR3
13 unique J



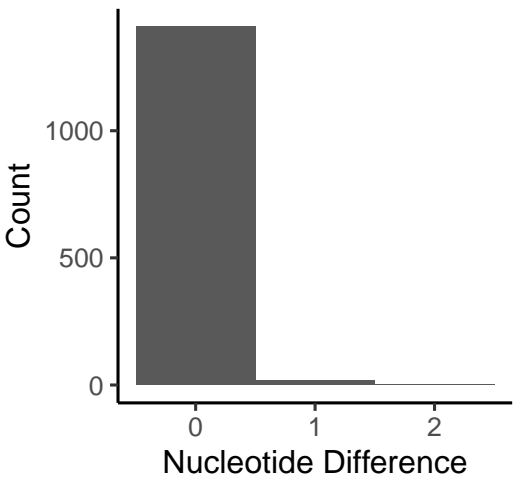
TRBV7-3*ap01

1644 sequences assigned
1618 (98.4%) exact matches, in which:
1583 unique CDR3
13 unique J



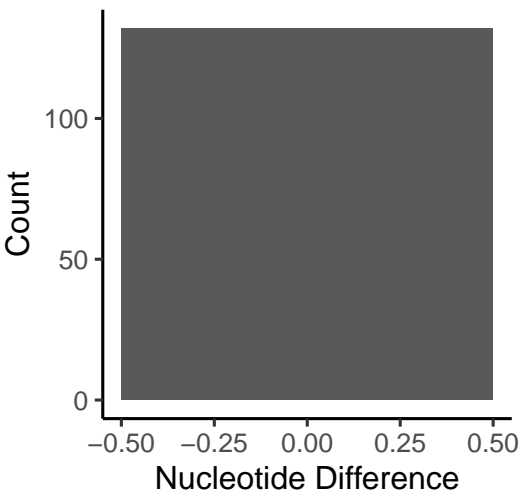
TRBV7-6*ap01

1427 sequences assigned
1409 (98.7%) exact matches, in which:
1357 unique CDR3
13 unique J



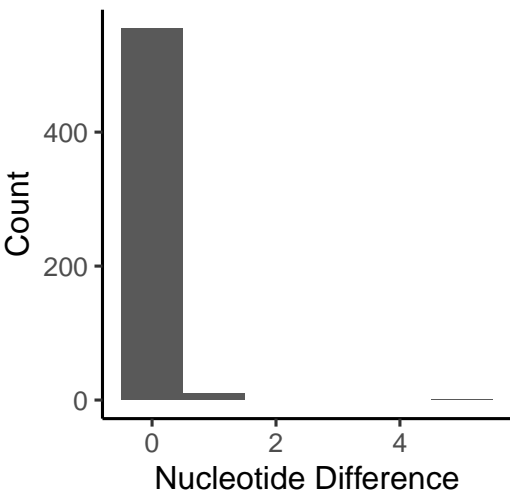
TRBV7-1*ap01_G291C_

132 sequences assigned
132 (100%) exact matches, in which:
127 unique CDR3
13 unique J



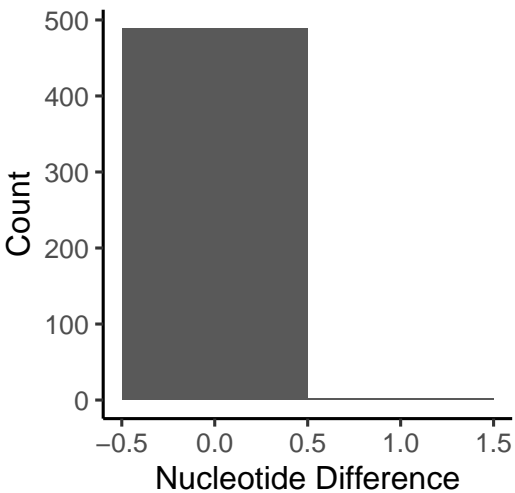
TRBV7-3*ap03

566 sequences assigned
555 (98.1%) exact matches, in which:
533 unique CDR3
13 unique J



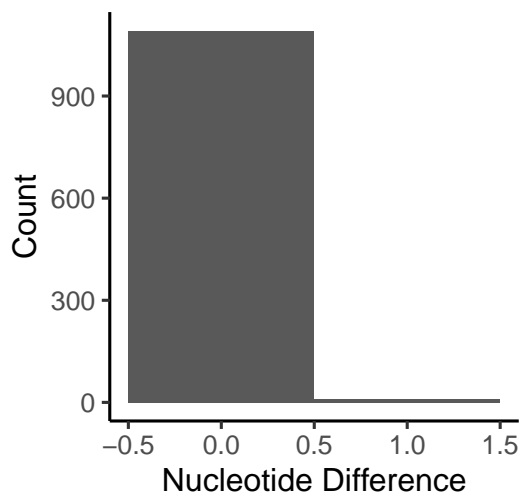
TRBV7-7*ap01

491 sequences assigned
489 (99.6%) exact matches, in which:
474 unique CDR3
13 unique J



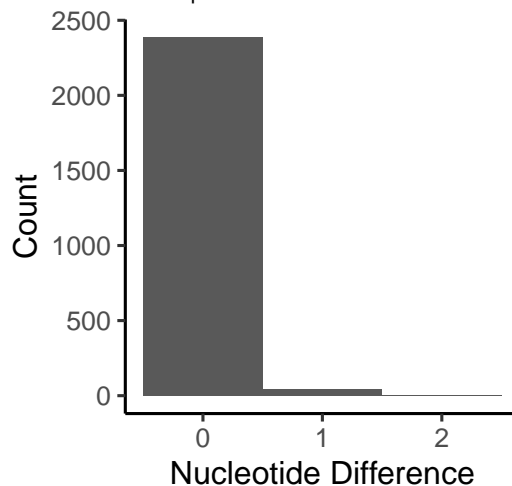
TRBV7-8*ap01

1103 sequences assigned
1092 (99%) exact matches, in which:
1057 unique CDR3
13 unique J



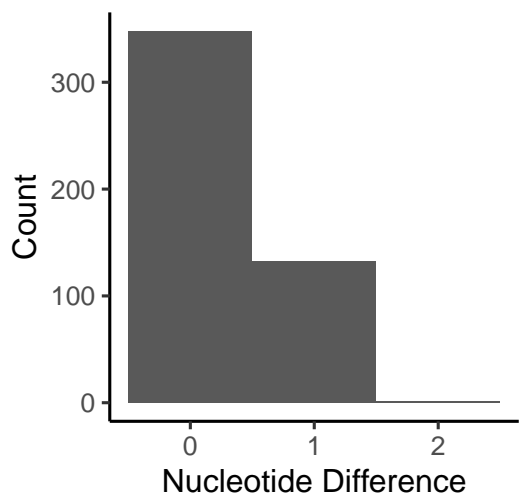
TRBV29-1*ap01

2432 sequences assigned
2386 (98.1%) exact matches, in which:
2322 unique CDR3
13 unique J



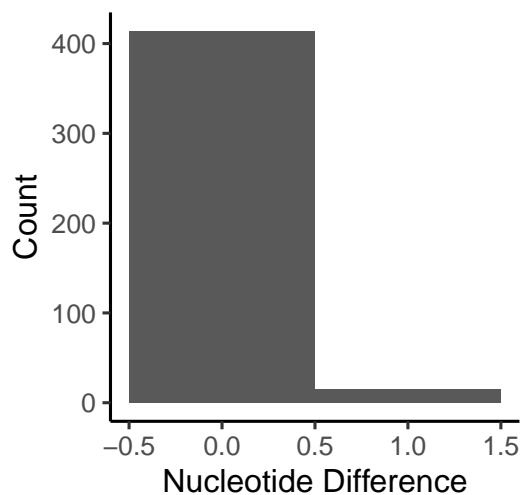
TRBV7-8*ap03

481 sequences assigned
348 (72.3%) exact matches, in which:
335 unique CDR3
13 unique J



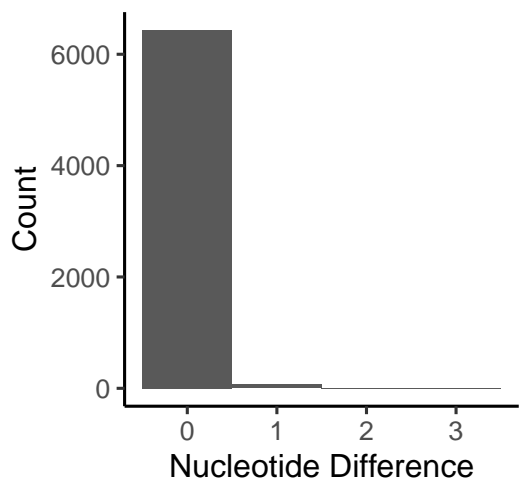
TRBV29-1*ap02

429 sequences assigned
414 (96.5%) exact matches, in which:
411 unique CDR3
12 unique J

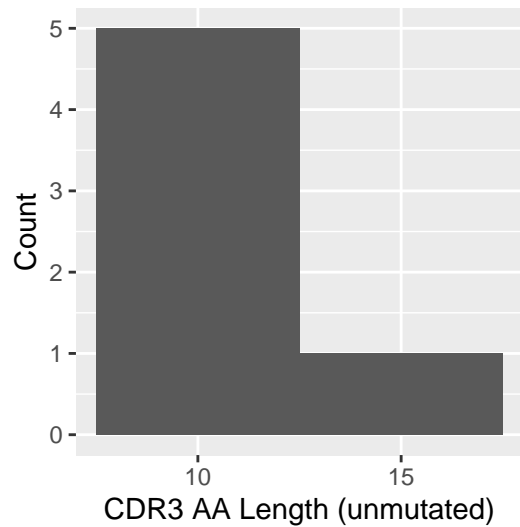


TRBV7-9*ap01

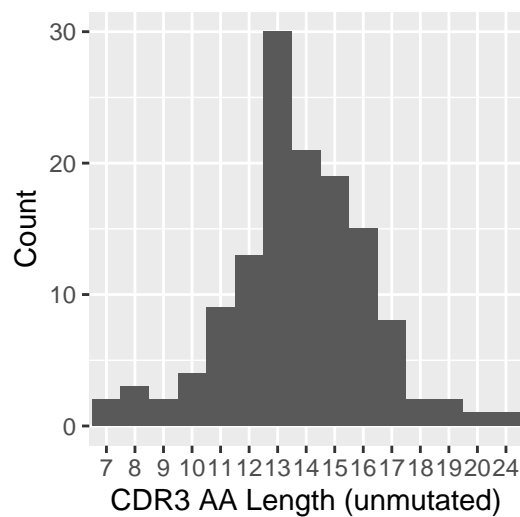
6509 sequences assigned
6435 (98.9%) exact matches, in which:
6269 unique CDR3
13 unique J



TRBV6-9*ap01_A303C



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]