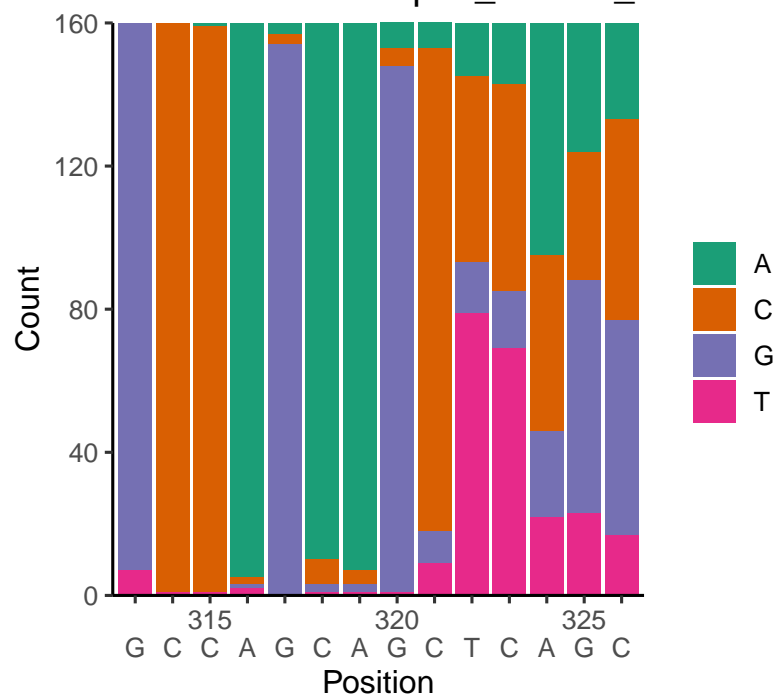
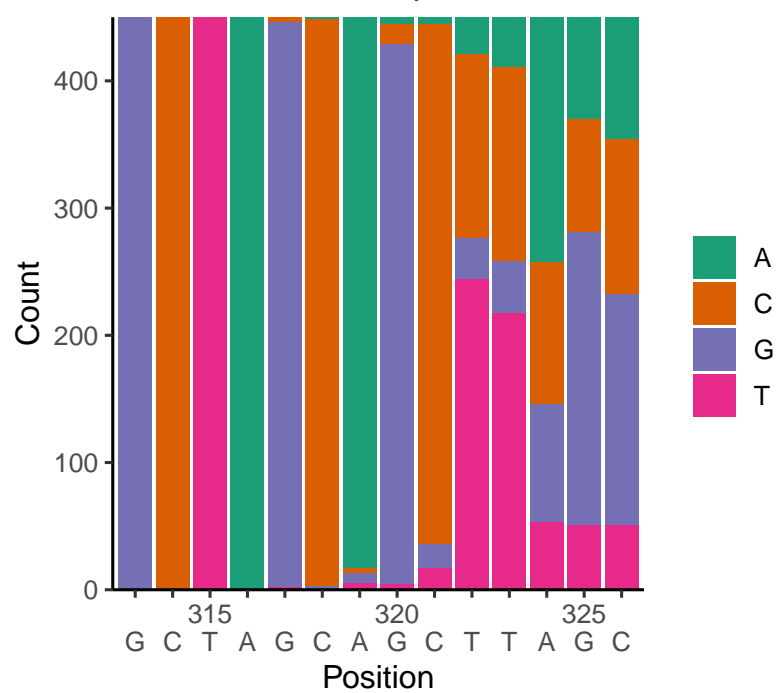


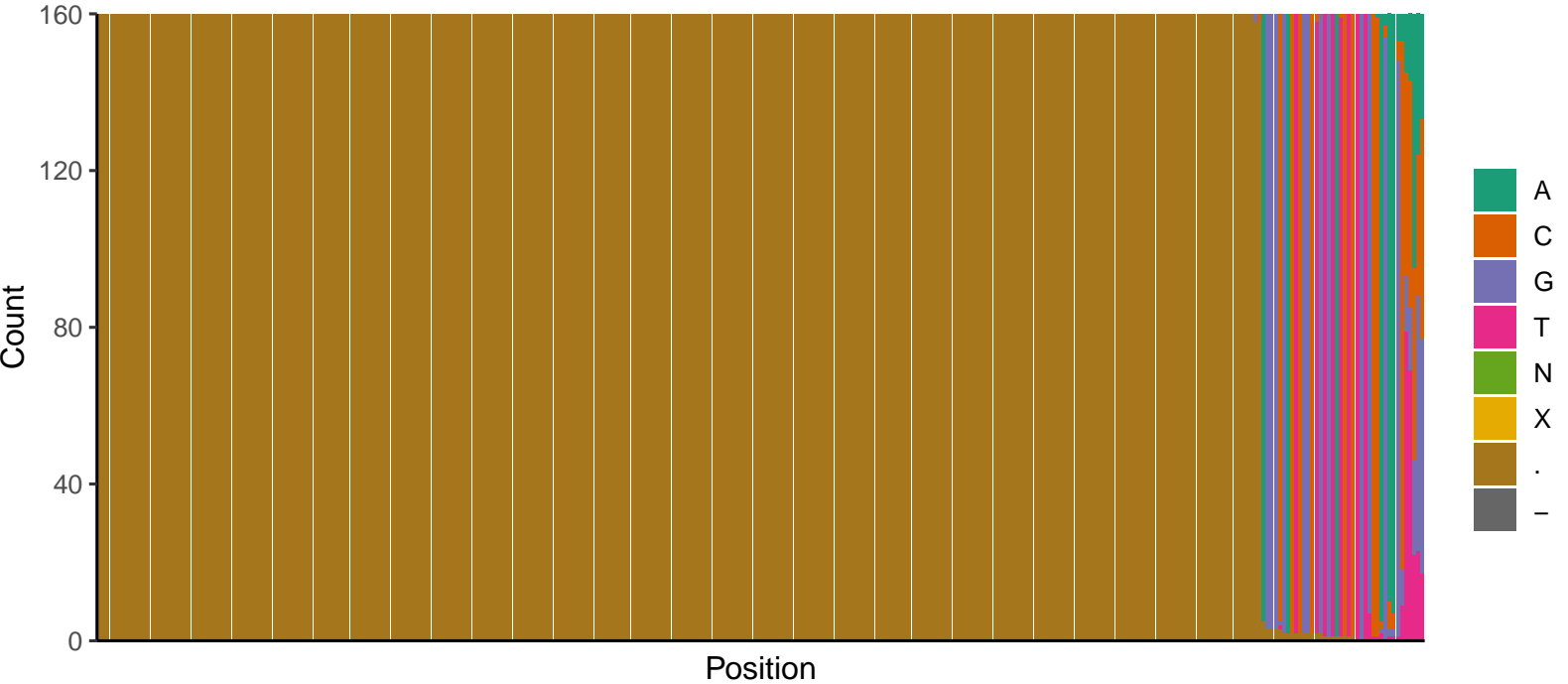
Gene TRBV7-1*ap01_G291C_T296C



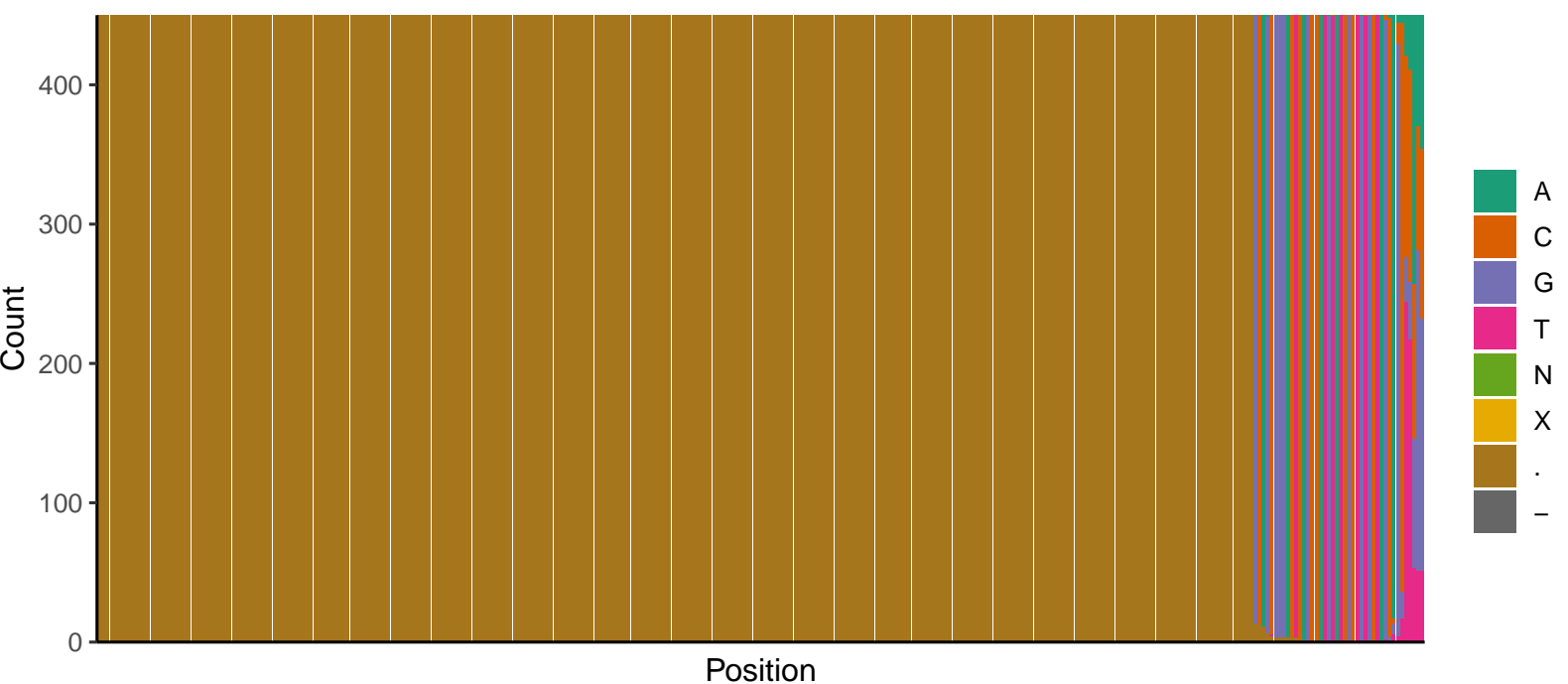
Gene TRBV7-7*ap01_C315T



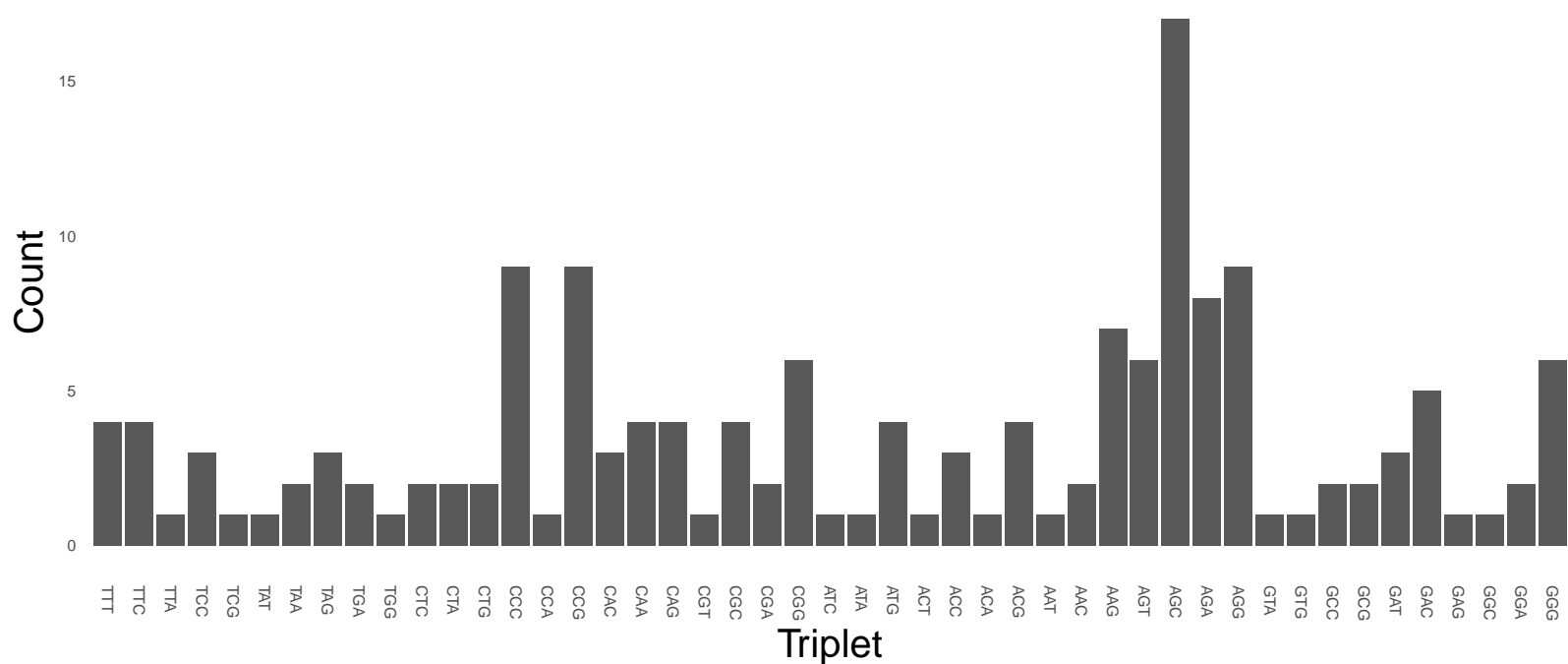
Gene TRBV7-1*ap01_G291C_T296C



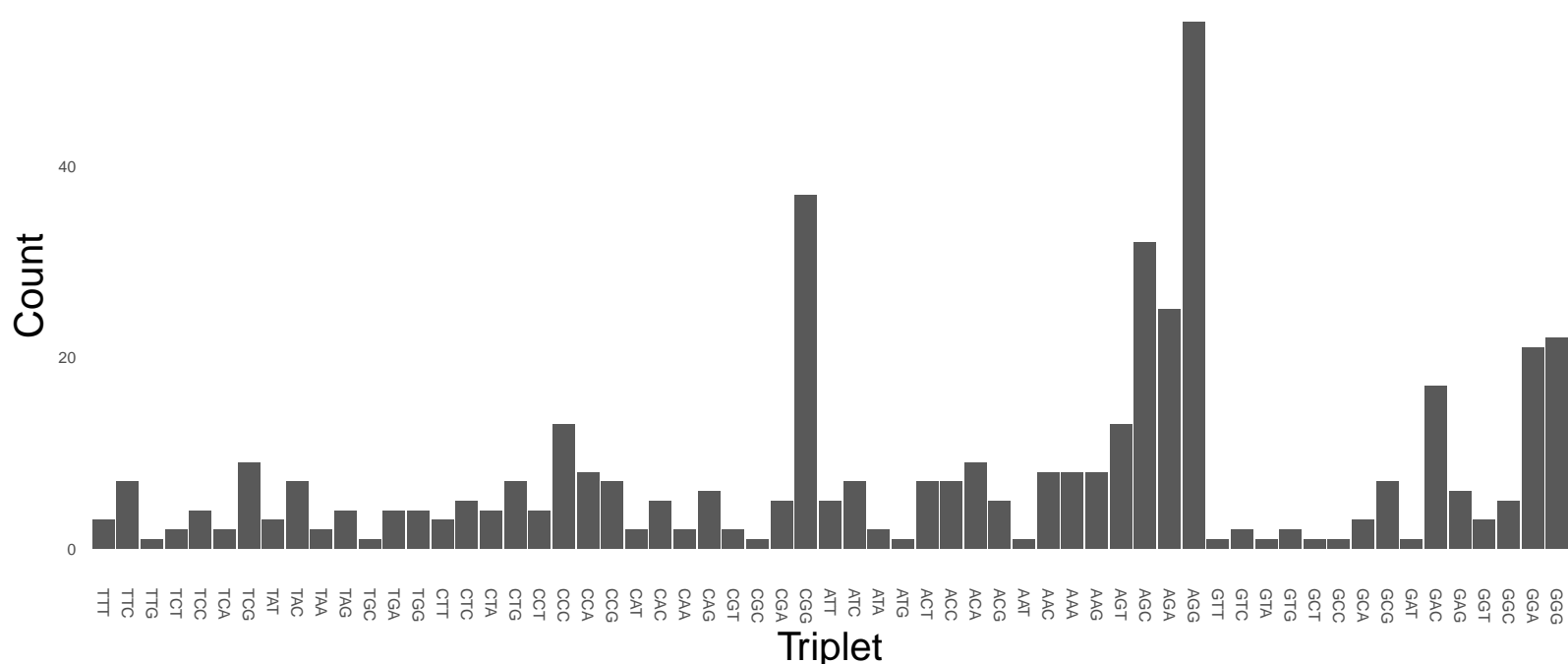
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

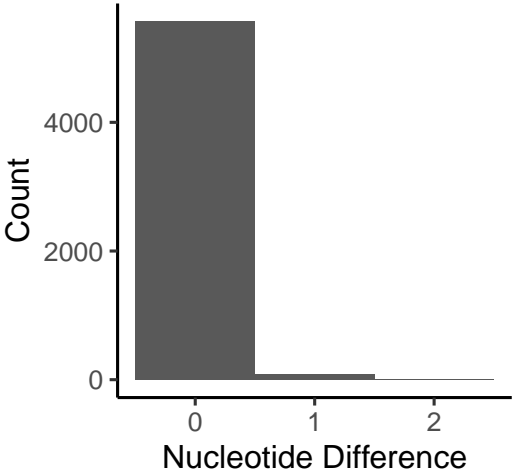


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



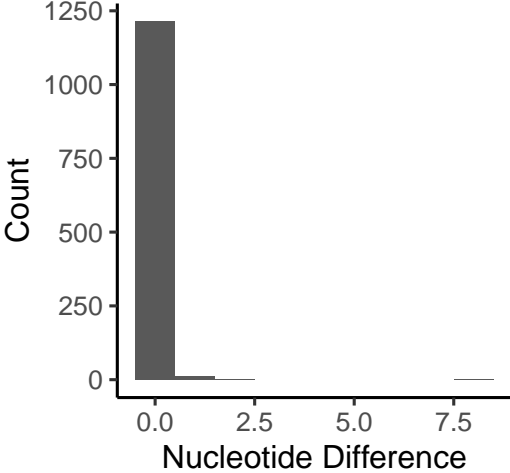
TRBV20-1*ap01

5654 sequences assigned
5569 (98.5%) exact matches, in which:
5477 unique CDR3
13 unique J



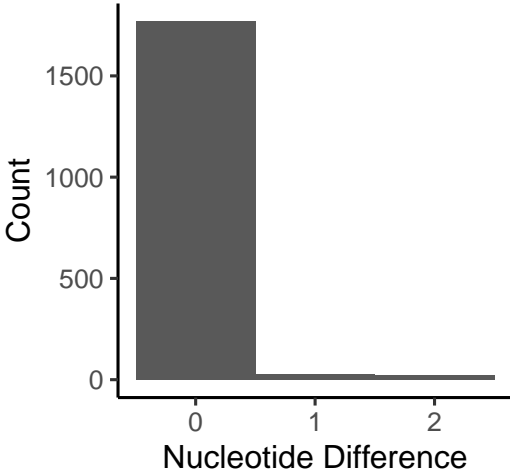
TRBV10-2*ap01

1228 sequences assigned
1214 (98.9%) exact matches, in which:
1179 unique CDR3
13 unique J



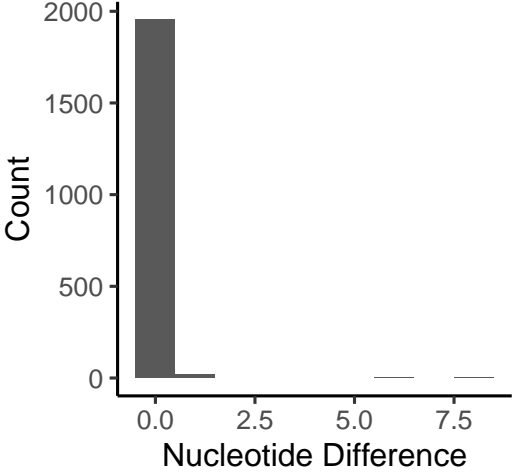
TRBV13*ap01

1816 sequences assigned
1769 (97.4%) exact matches, in which:
1726 unique CDR3
13 unique J



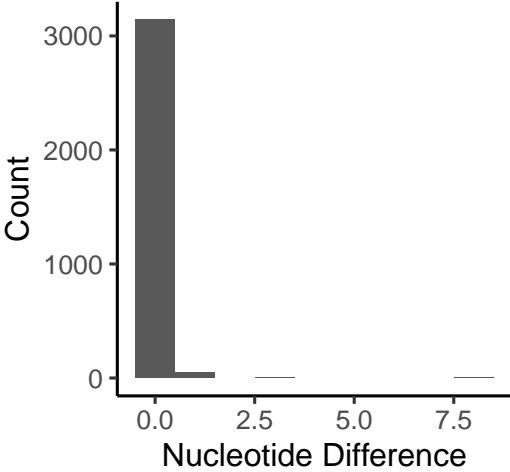
TRBV10-1*ap01

1975 sequences assigned
1954 (98.9%) exact matches, in which:
1907 unique CDR3
13 unique J



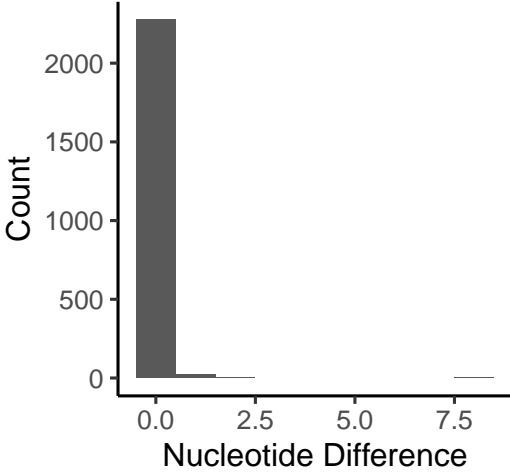
TRBV10-3*ap01

3188 sequences assigned
3142 (98.6%) exact matches, in which:
3078 unique CDR3
13 unique J



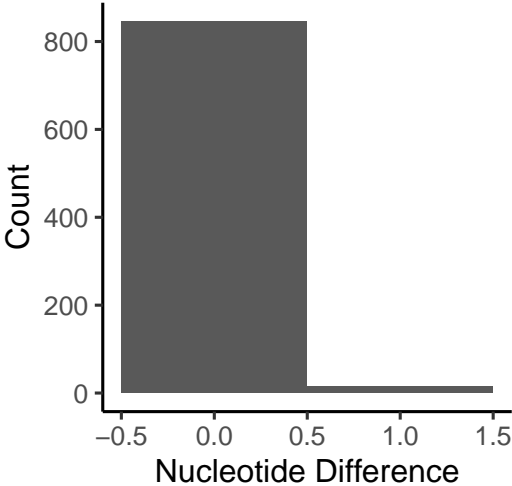
TRBV14*ap01

2302 sequences assigned
2276 (98.9%) exact matches, in which:
2225 unique CDR3
13 unique J



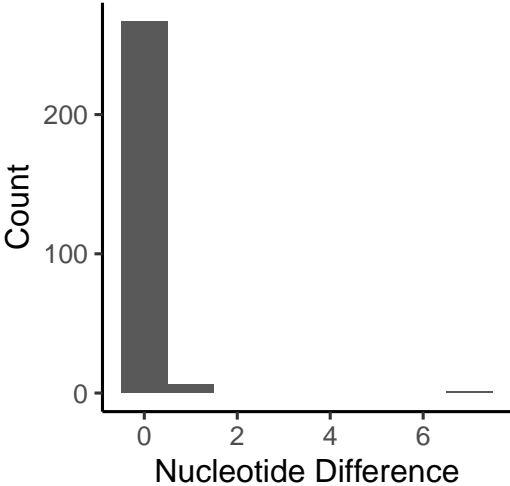
TRBV20-1*ap02

860 sequences assigned
846 (98.4%) exact matches, in which:
832 unique CDR3
13 unique J



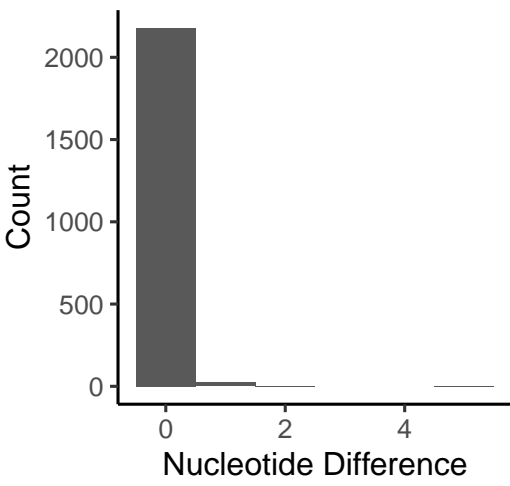
TRBV1*ap01

274 sequences assigned
267 (97.4%) exact matches, in which:
263 unique CDR3
13 unique J



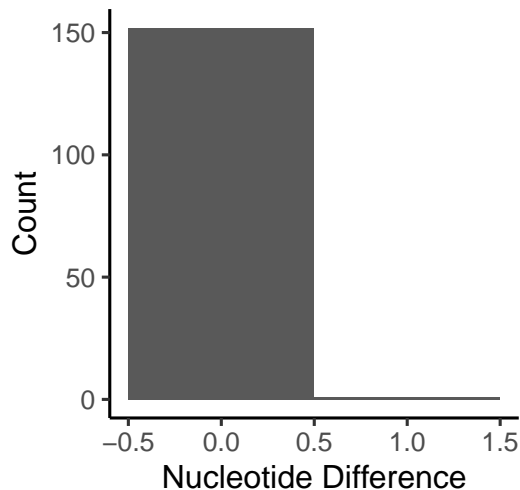
TRBV15*ap02

2203 sequences assigned
2178 (98.9%) exact matches, in which:
2130 unique CDR3
13 unique J



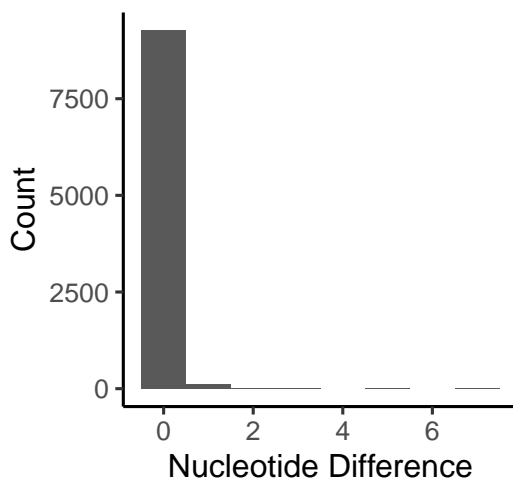
TRBV16*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
152 unique CDR3
13 unique J



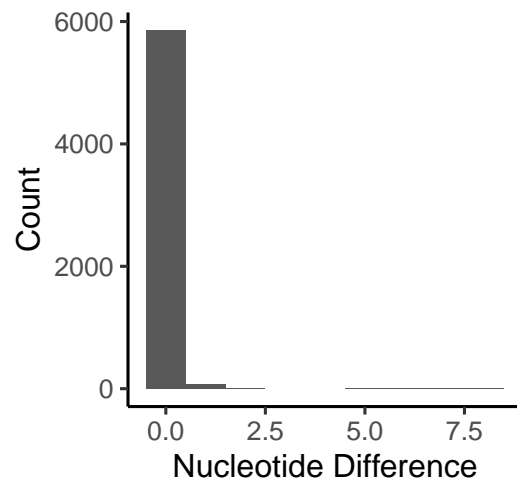
TRBV19*ap01

9387 sequences assigned
9266 (98.7%) exact matches, in which:
9114 unique CDR3
13 unique J



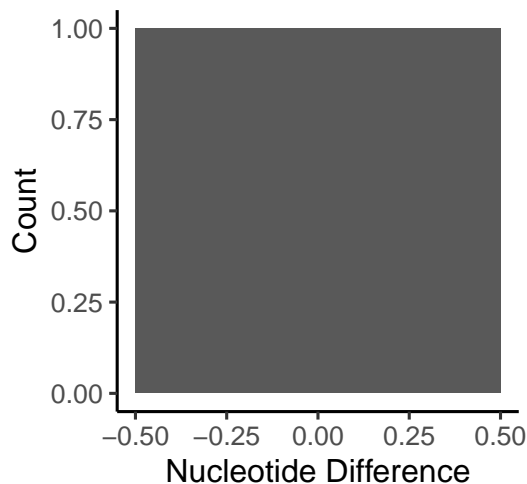
TRBV27*ap01

5942 sequences assigned
5855 (98.5%) exact matches, in which:
5721 unique CDR3
13 unique J



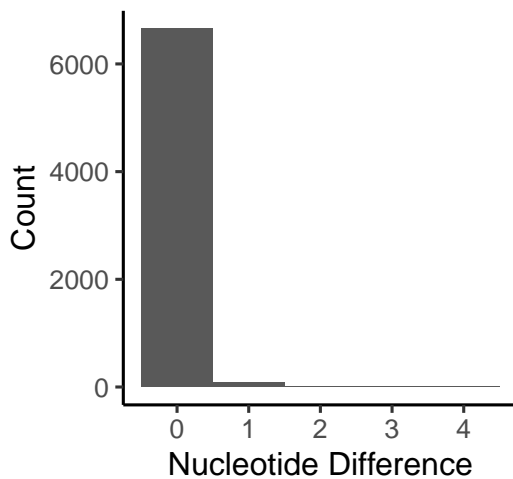
TRBV17*ap01

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



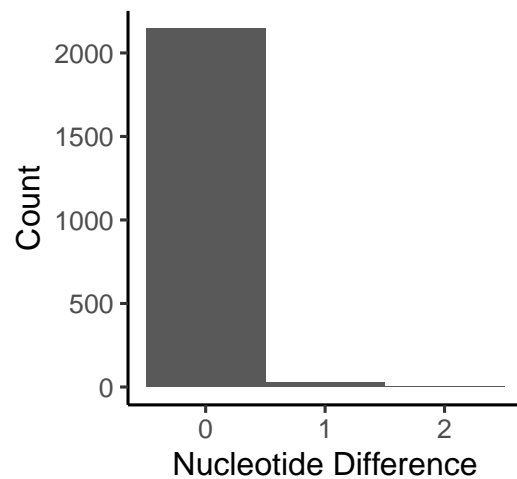
TRBV2*ap01

6740 sequences assigned
6654 (98.7%) exact matches, in which:
6521 unique CDR3
13 unique J



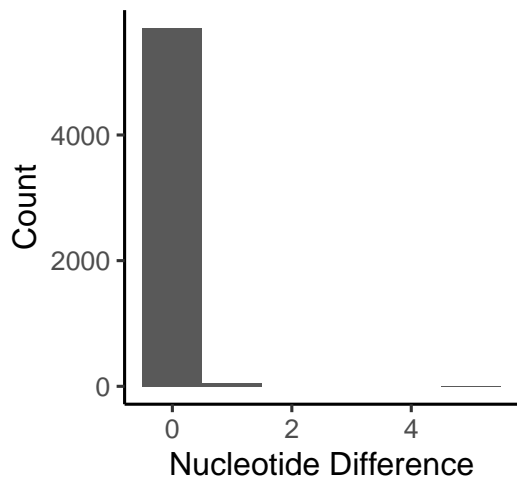
TRBV28*ap01

2171 sequences assigned
2145 (98.8%) exact matches, in which:
2108 unique CDR3
13 unique J



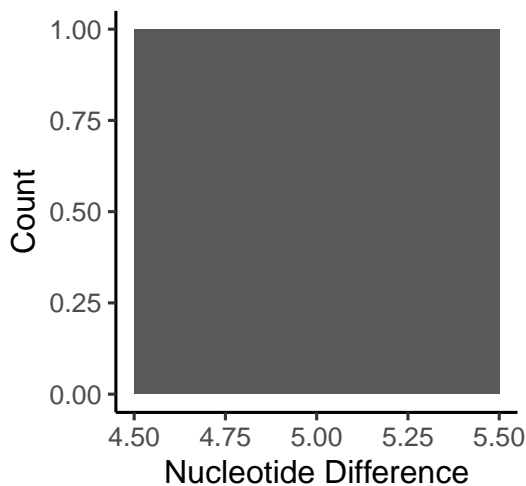
TRBV18*ap01

5751 sequences assigned
5702 (99.1%) exact matches, in which:
5624 unique CDR3
13 unique J



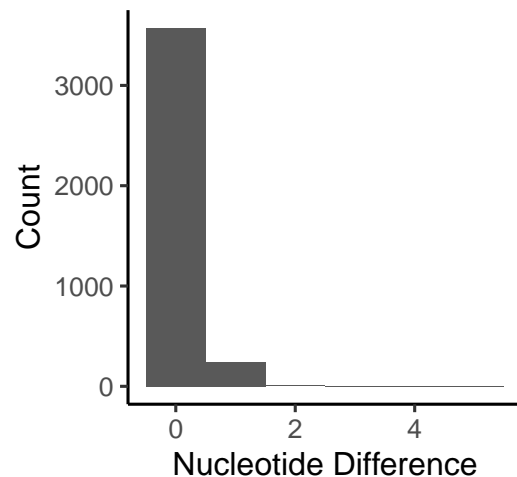
TRBV26*ap01

1 sequences assigned
No exact matches.



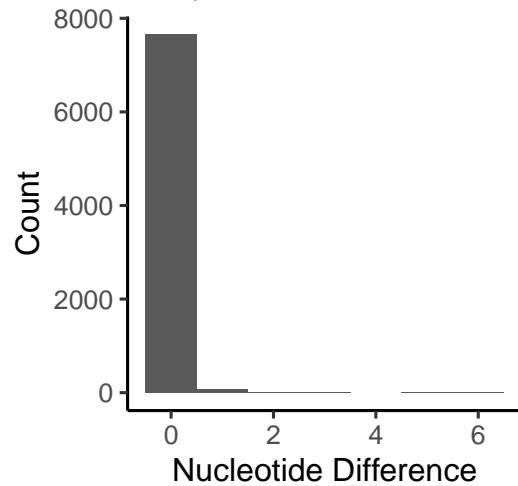
TRBV30*ap01

3827 sequences assigned
3572 (93.3%) exact matches, in which:
3524 unique CDR3
13 unique J



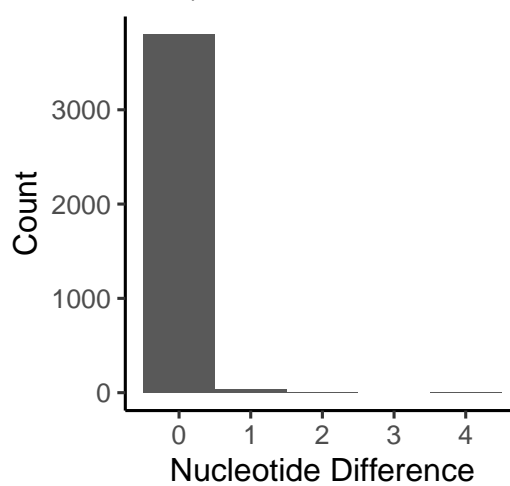
TRBV9*ap01

7734 sequences assigned
7656 (99%) exact matches, in which:
7503 unique CDR3
13 unique J



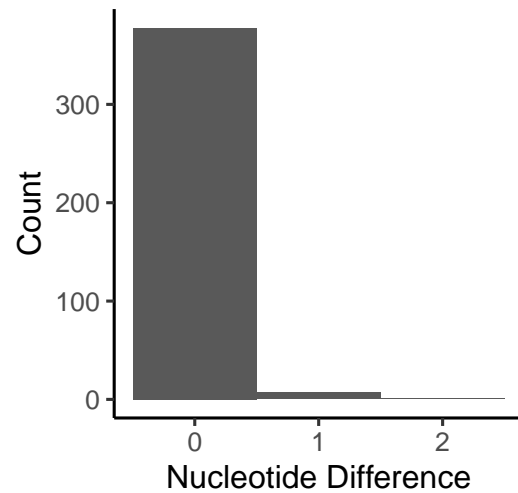
TRBV11-2*ap01

3842 sequences assigned
3799 (98.9%) exact matches, in which:
3741 unique CDR3
13 unique J



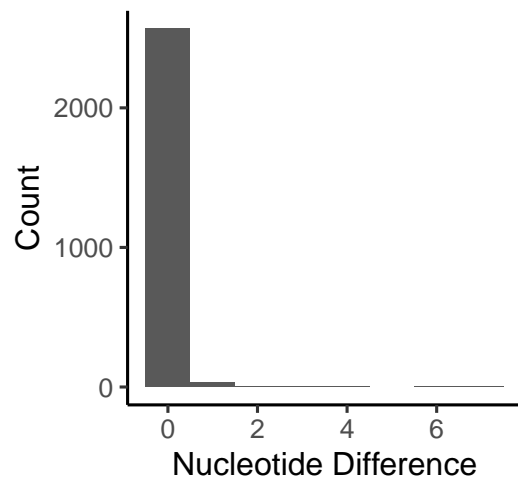
TRBV12-2*ap01

386 sequences assigned
378 (97.9%) exact matches, in which:
372 unique CDR3
13 unique J



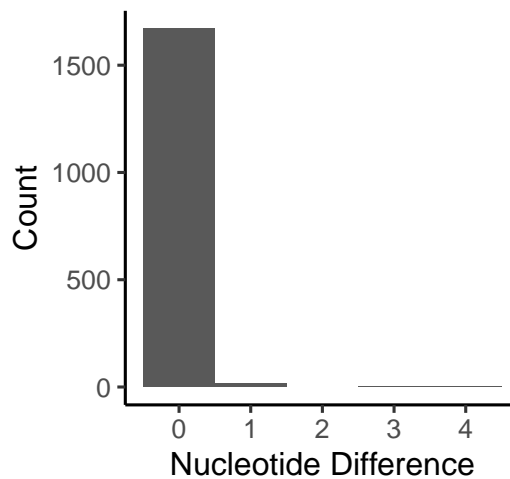
TRBV21-1*ap01

2615 sequences assigned
2567 (98.2%) exact matches, in which:
2534 unique CDR3
13 unique J



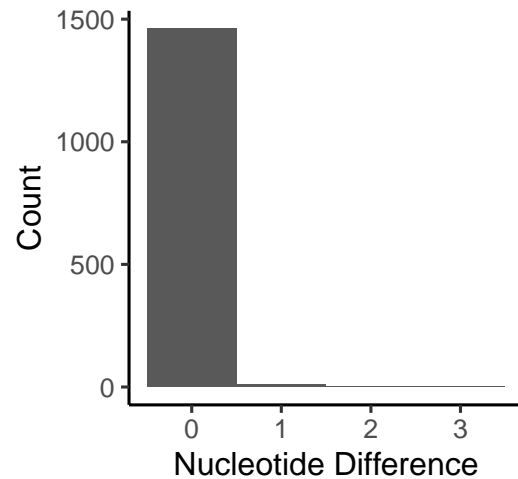
TRBV11-3*ap01

1687 sequences assigned
1670 (99%) exact matches, in which:
1648 unique CDR3
13 unique J



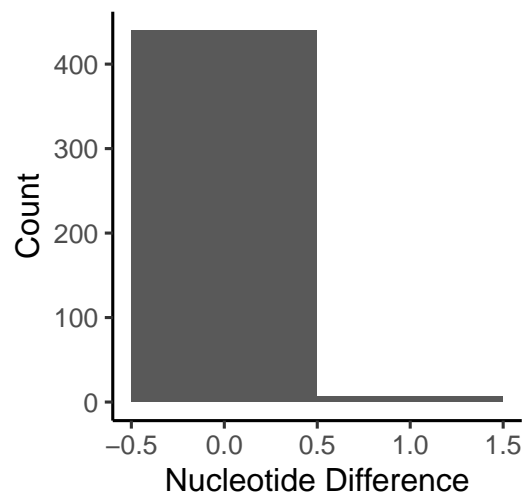
TRBV12-5*ap01

1478 sequences assigned
1461 (98.8%) exact matches, in which:
1422 unique CDR3
13 unique J



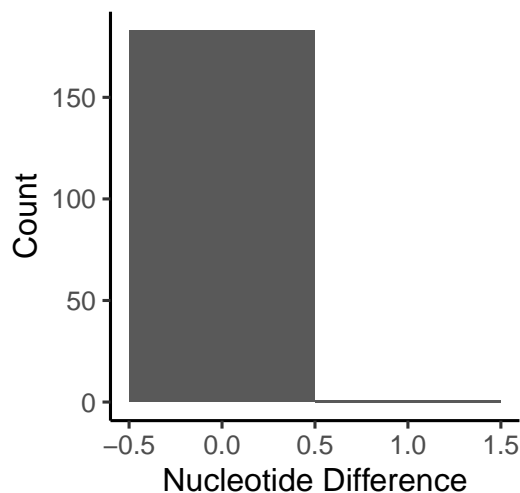
TRBV11-1*ap01

447 sequences assigned
440 (98.4%) exact matches, in which:
434 unique CDR3
13 unique J



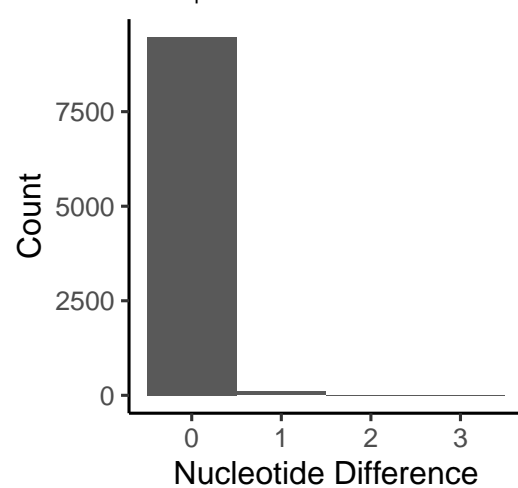
TRBV12-1*ap01

184 sequences assigned
183 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



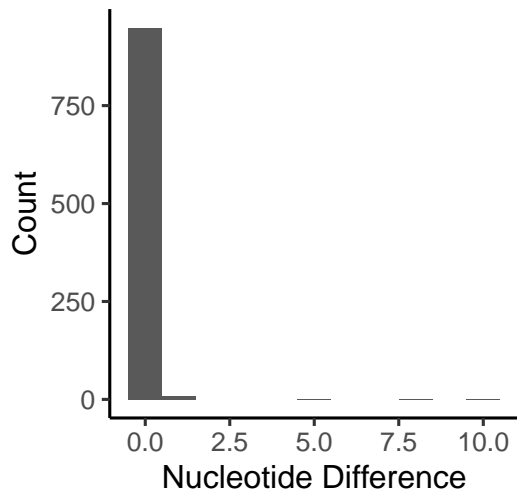
TRBV12-34*ap01

9583 sequences assigned
9473 (98.9%) exact matches, in which:
9285 unique CDR3
13 unique J



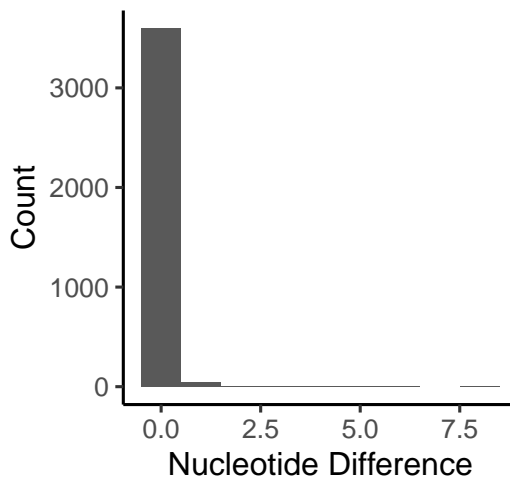
TRBV23-1*ap01

961 sequences assigned
949 (98.8%) exact matches, in which:
935 unique CDR3
13 unique J



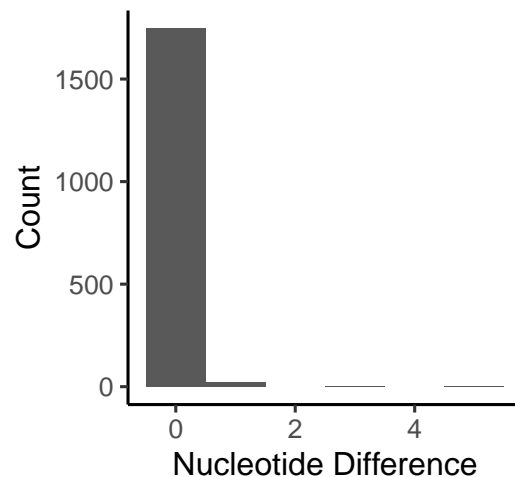
TRBV24-1*ap01

3654 sequences assigned
3597 (98.4%) exact matches, in which:
3536 unique CDR3
13 unique J



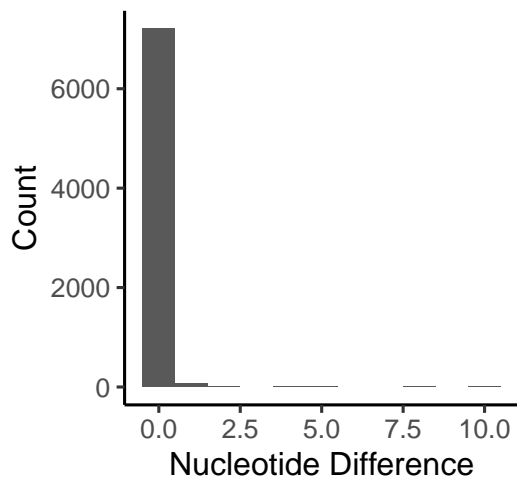
TRBV25-1*ap01

1771 sequences assigned
1747 (98.6%) exact matches, in which:
1716 unique CDR3
13 unique J



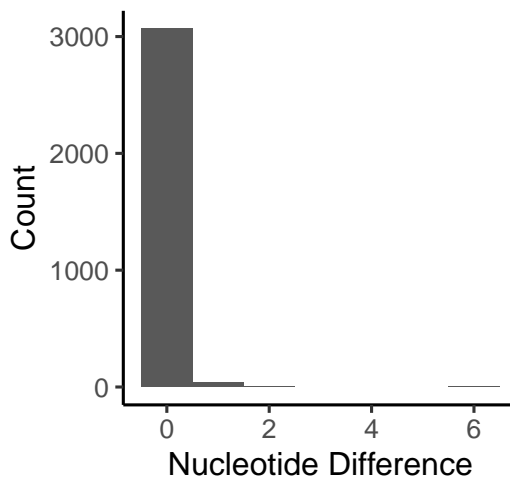
TRBV3-12*ap01

7292 sequences assigned
7207 (98.8%) exact matches, in which:
7108 unique CDR3
13 unique J



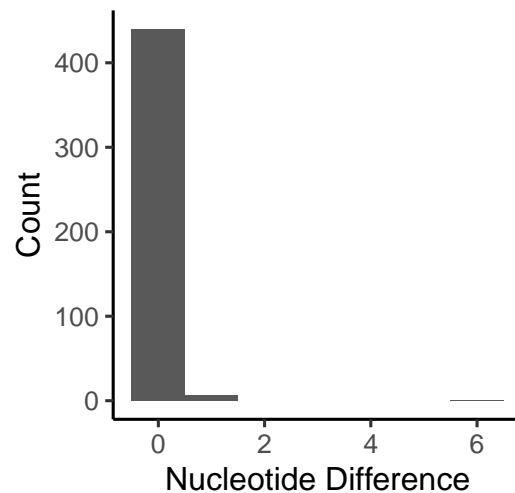
TRBV4-2*ap01

3111 sequences assigned
3067 (98.6%) exact matches, in which:
3019 unique CDR3
13 unique J



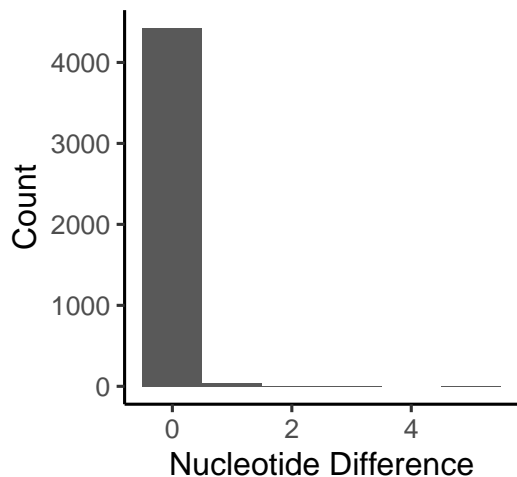
TRBV5-3*ap01

447 sequences assigned
440 (98.4%) exact matches, in which:
431 unique CDR3
13 unique J



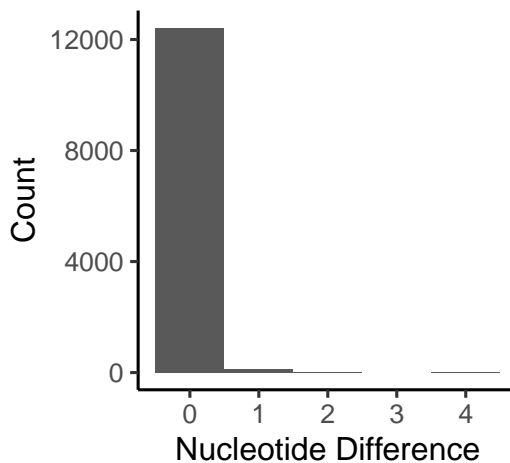
TRBV4-1*ap01

4472 sequences assigned
4425 (98.9%) exact matches, in which:
4335 unique CDR3
13 unique J



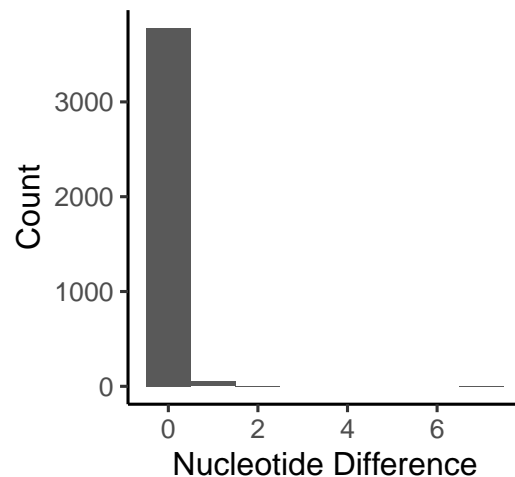
TRBV5-1*ap01

12559 sequences assigned
12422 (98.9%) exact matches, in which:
12133 unique CDR3
13 unique J



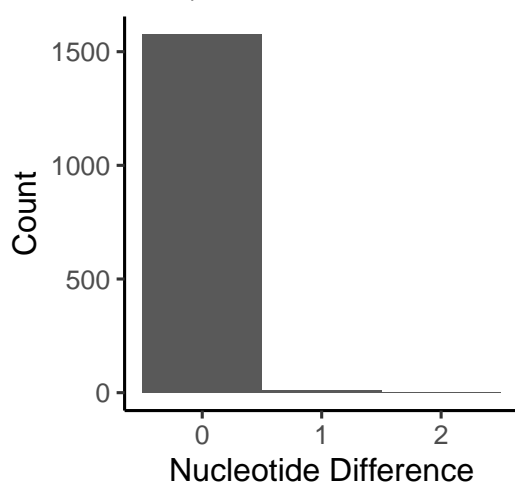
TRBV5-4*ap01

3832 sequences assigned
3779 (98.6%) exact matches, in which:
3692 unique CDR3
13 unique J



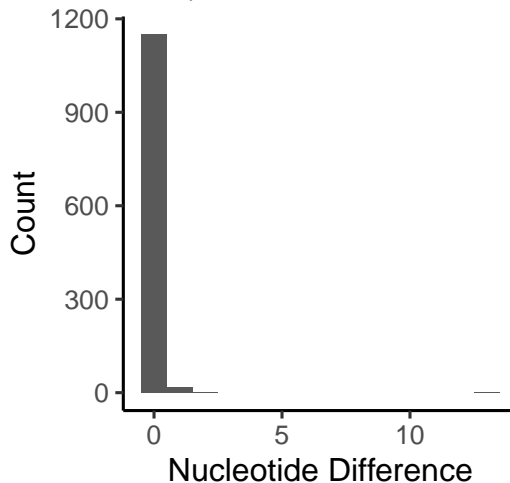
TRBV5–5*ap01

1590 sequences assigned
1576 (99.1%) exact matches, in which:
1555 unique CDR3
13 unique J



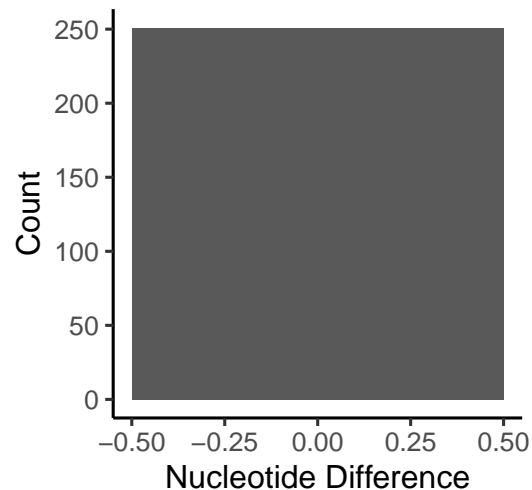
TRBV5–8*ap01

1172 sequences assigned
1150 (98.1%) exact matches, in which:
1129 unique CDR3
13 unique J



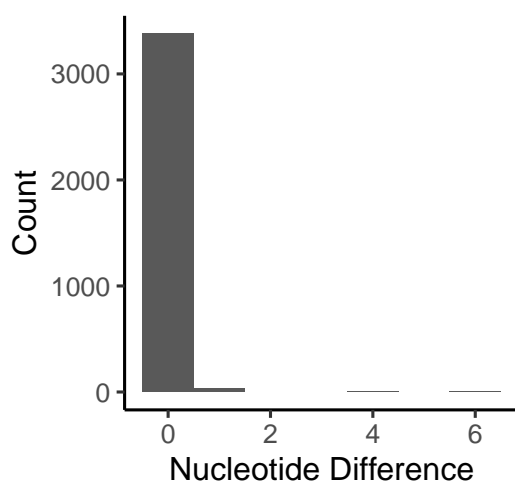
TRBV6–7*ap01

251 sequences assigned
251 (100%) exact matches, in which:
240 unique CDR3
13 unique J



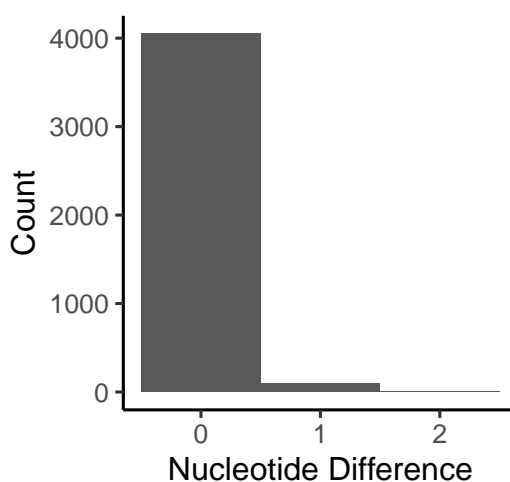
TRBV5–6*ap01

3414 sequences assigned
3379 (99%) exact matches, in which:
3286 unique CDR3
13 unique J



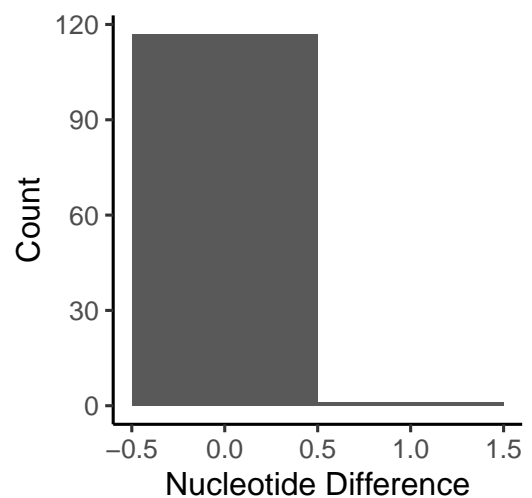
TRBV6–1*ap01

4151 sequences assigned
4050 (97.6%) exact matches, in which:
3959 unique CDR3
13 unique J



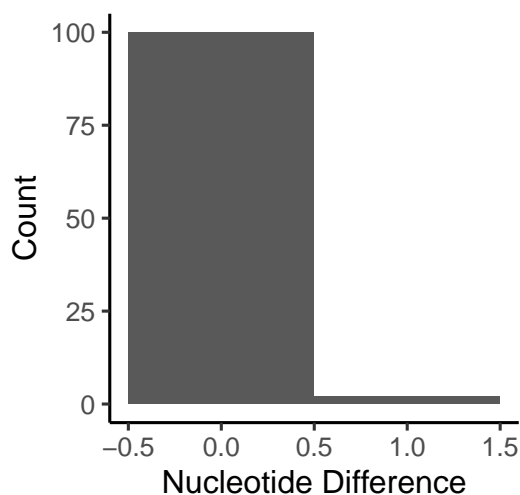
TRBV6–8*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
115 unique CDR3
13 unique J



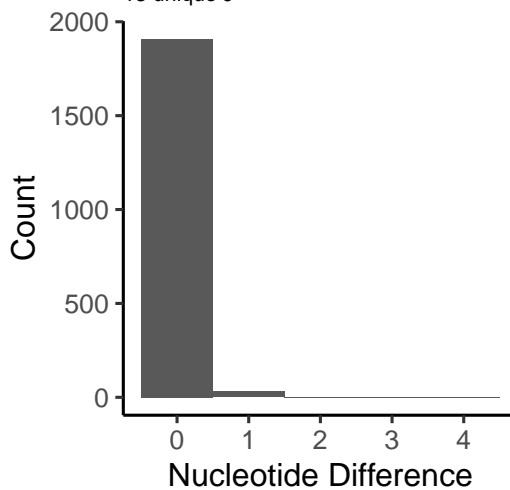
TRBV5–7*ap01

102 sequences assigned
100 (98%) exact matches, in which:
99 unique CDR3
12 unique J



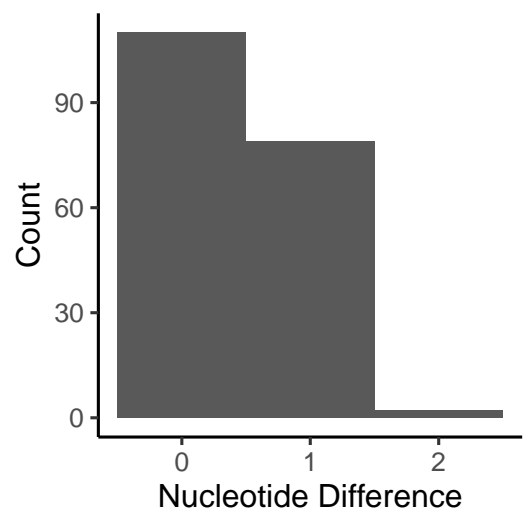
TRBV6–4*ap01

1943 sequences assigned
1908 (98.2%) exact matches, in which:
1884 unique CDR3
13 unique J



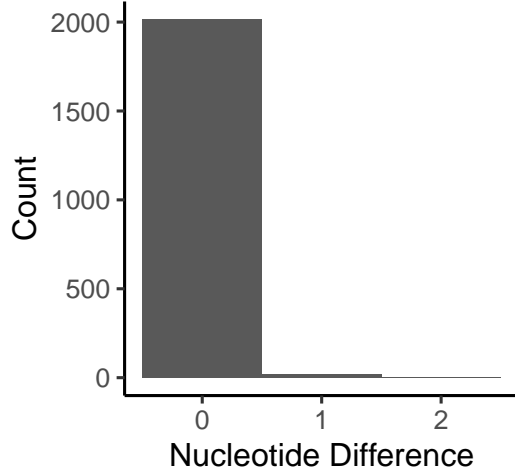
TRBV6–9*ap01

191 sequences assigned
110 (57.6%) exact matches, in which:
110 unique CDR3
12 unique J



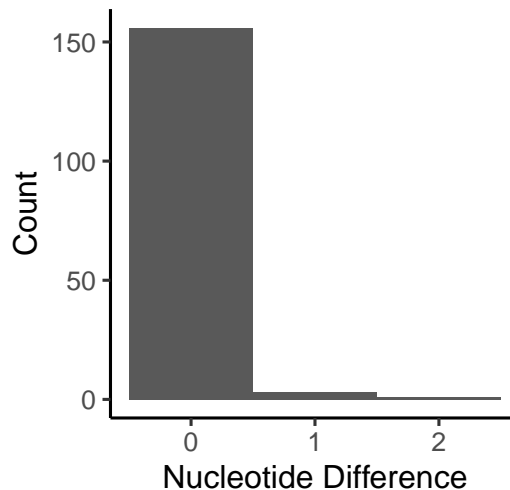
TRBV6-23*ap01

2037 sequences assigned
2015 (98.9%) exact matches, in which:
1979 unique CDR3
13 unique J



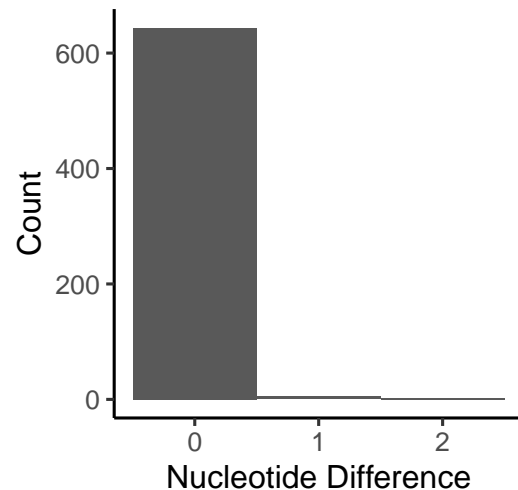
TRBV7-1*ap01_G291C_

160 sequences assigned
156 (97.5%) exact matches, in which:
149 unique CDR3
13 unique J



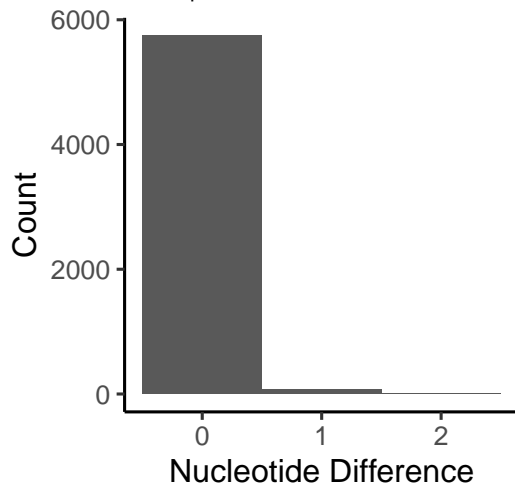
TRBV7-3*ap02

651 sequences assigned
644 (98.9%) exact matches, in which:
625 unique CDR3
13 unique J



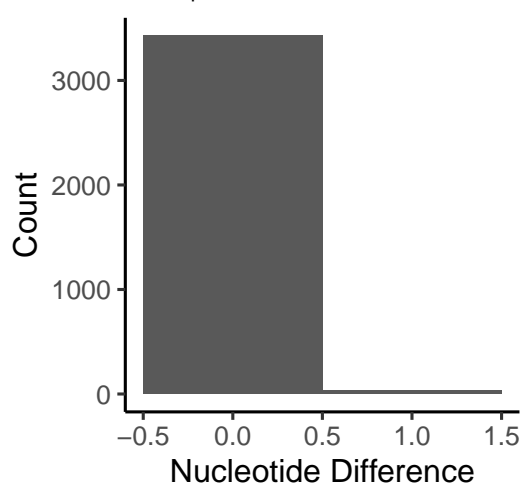
TRBV6-56*ap01

5823 sequences assigned
5744 (98.6%) exact matches, in which:
5610 unique CDR3
13 unique J



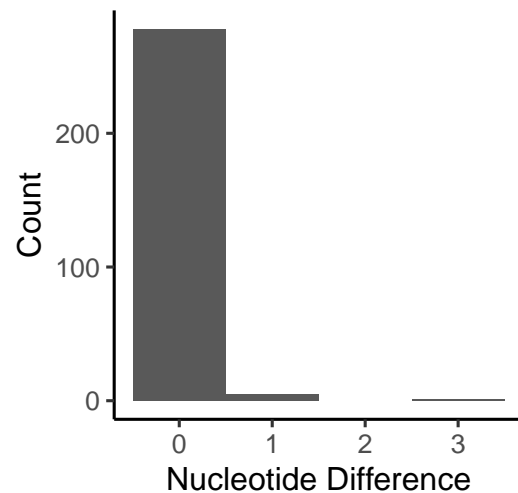
TRBV7-2*ap01

3462 sequences assigned
3428 (99%) exact matches, in which:
3364 unique CDR3
13 unique J



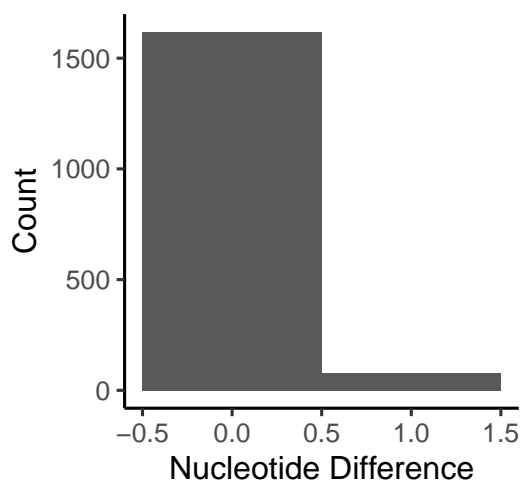
TRBV7-4*ap01

284 sequences assigned
278 (97.9%) exact matches, in which:
271 unique CDR3
13 unique J



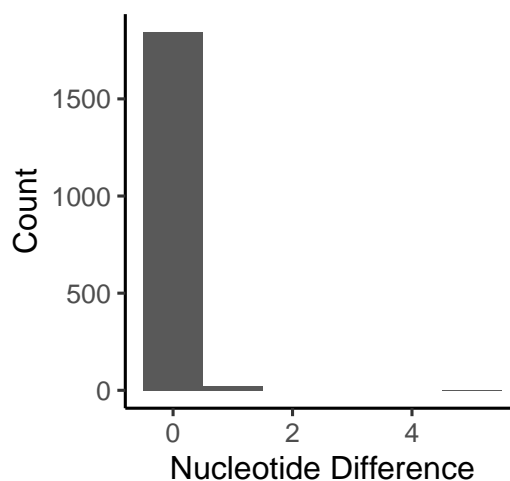
TRBV6-56*ap02

1696 sequences assigned
1618 (95.4%) exact matches, in which:
1587 unique CDR3
13 unique J



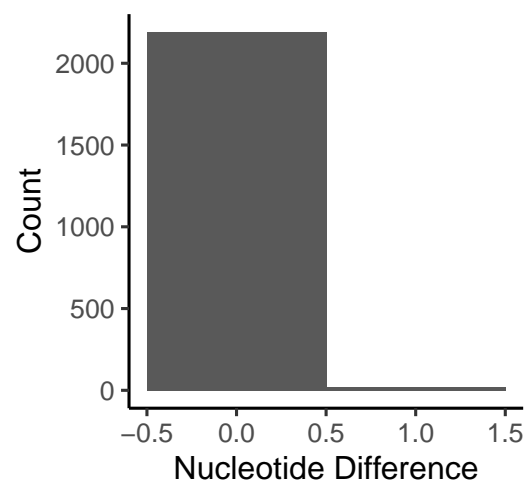
TRBV7-3*ap01

1867 sequences assigned
1844 (98.8%) exact matches, in which:
1830 unique CDR3
13 unique J



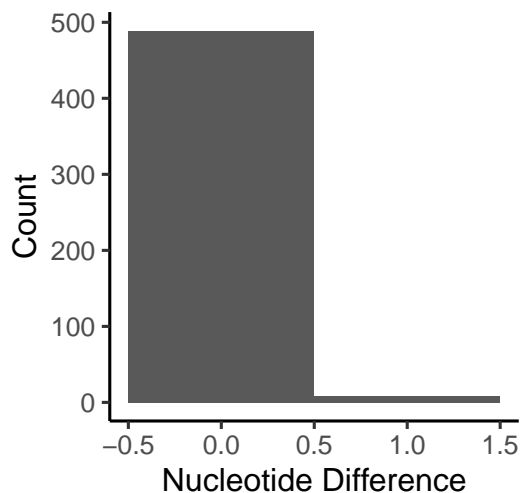
TRBV7-6*ap01

2212 sequences assigned
2191 (99.1%) exact matches, in which:
2138 unique CDR3
14 unique J



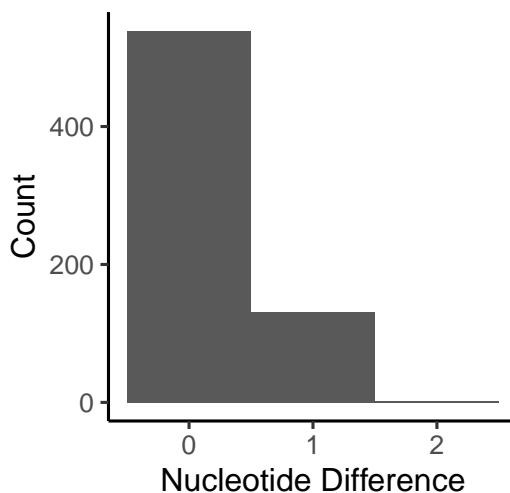
TRBV7-7*ap01

497 sequences assigned
489 (98.4%) exact matches, in which:
483 unique CDR3
13 unique J



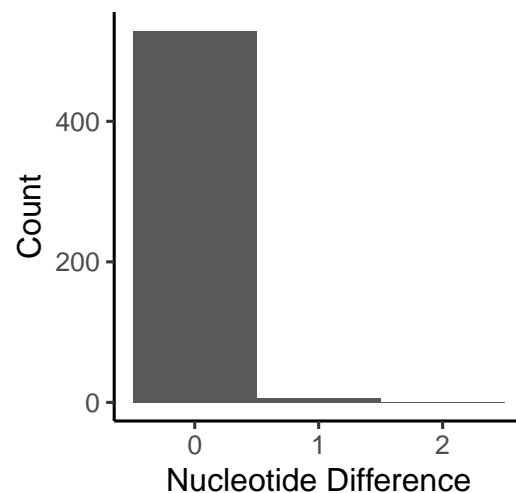
TRBV7-8*ap03

672 sequences assigned
539 (80.2%) exact matches, in which:
526 unique CDR3
13 unique J



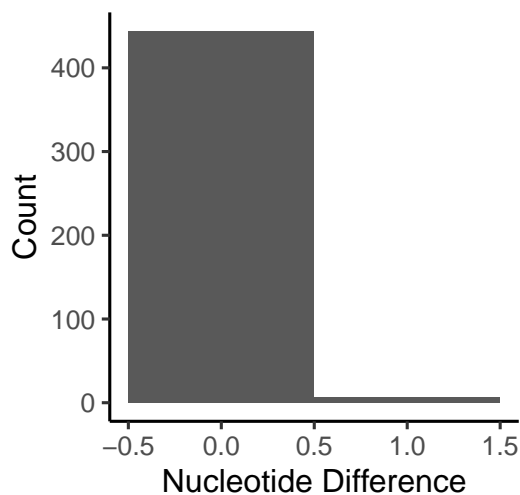
TRBV29-1*ap02

536 sequences assigned
529 (98.7%) exact matches, in which:
519 unique CDR3
13 unique J



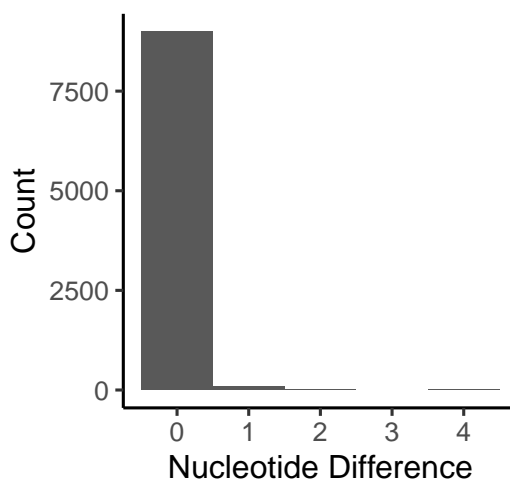
TRBV7-7*ap01_C315T

450 sequences assigned
444 (98.7%) exact matches, in which:
435 unique CDR3
13 unique J



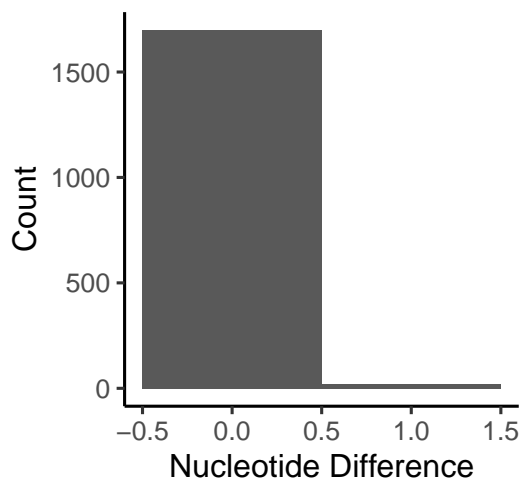
TRBV7-9*ap01

9084 sequences assigned
8990 (99%) exact matches, in which:
8846 unique CDR3
13 unique J



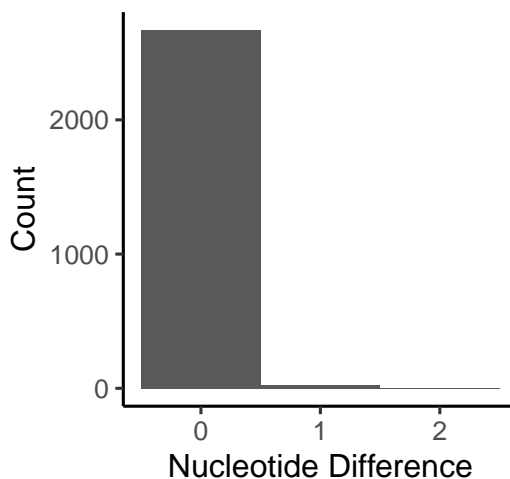
TRBV7-8*ap01

1720 sequences assigned
1699 (98.8%) exact matches, in which:
1664 unique CDR3
13 unique J

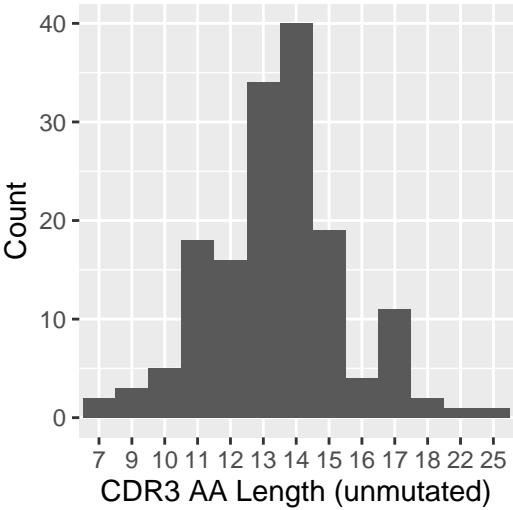


TRBV29-1*ap01

2696 sequences assigned
2669 (99%) exact matches, in which:
2621 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

