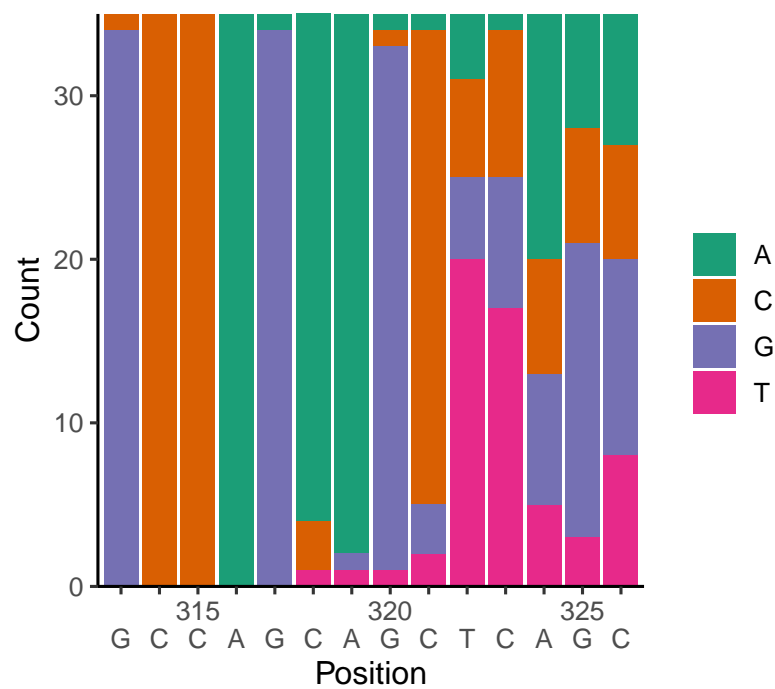
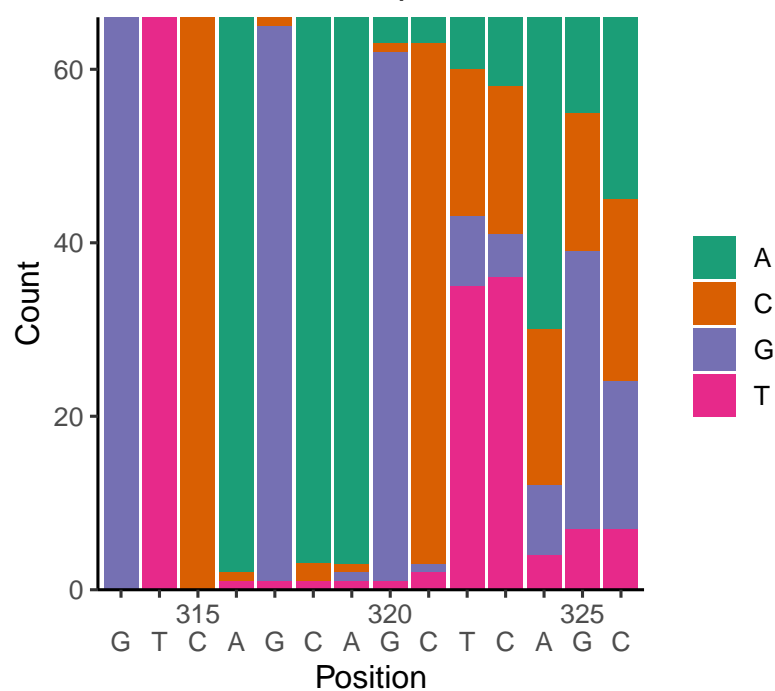


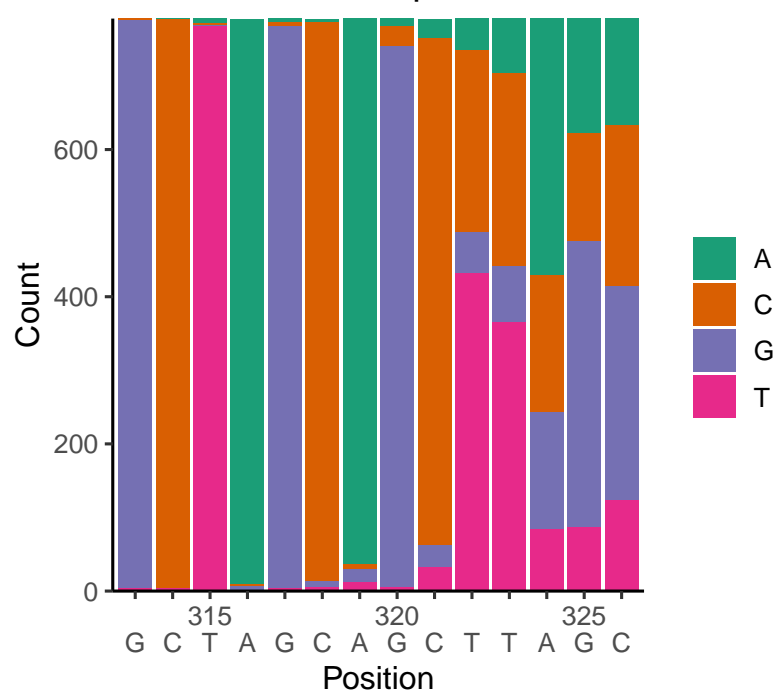
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



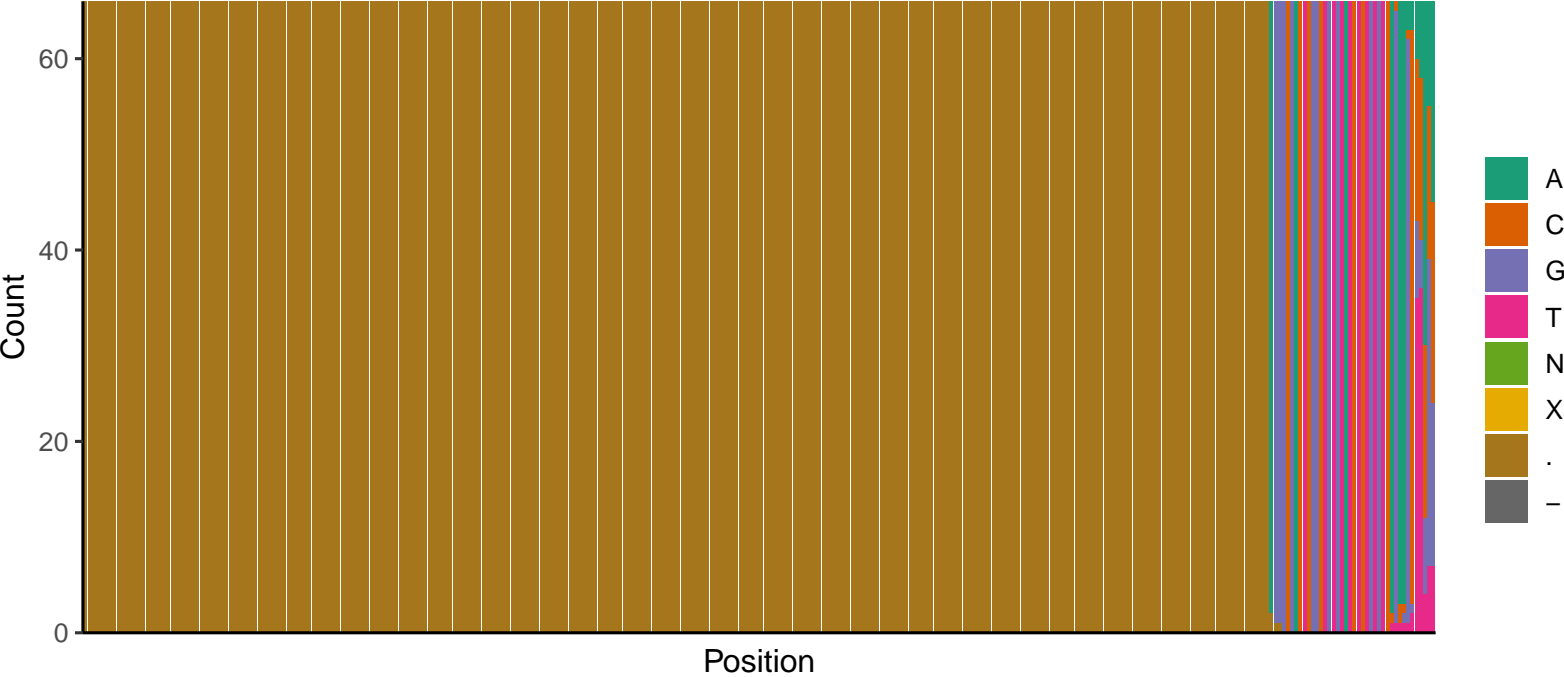
Gene TRBV7-7*ap01_C315T



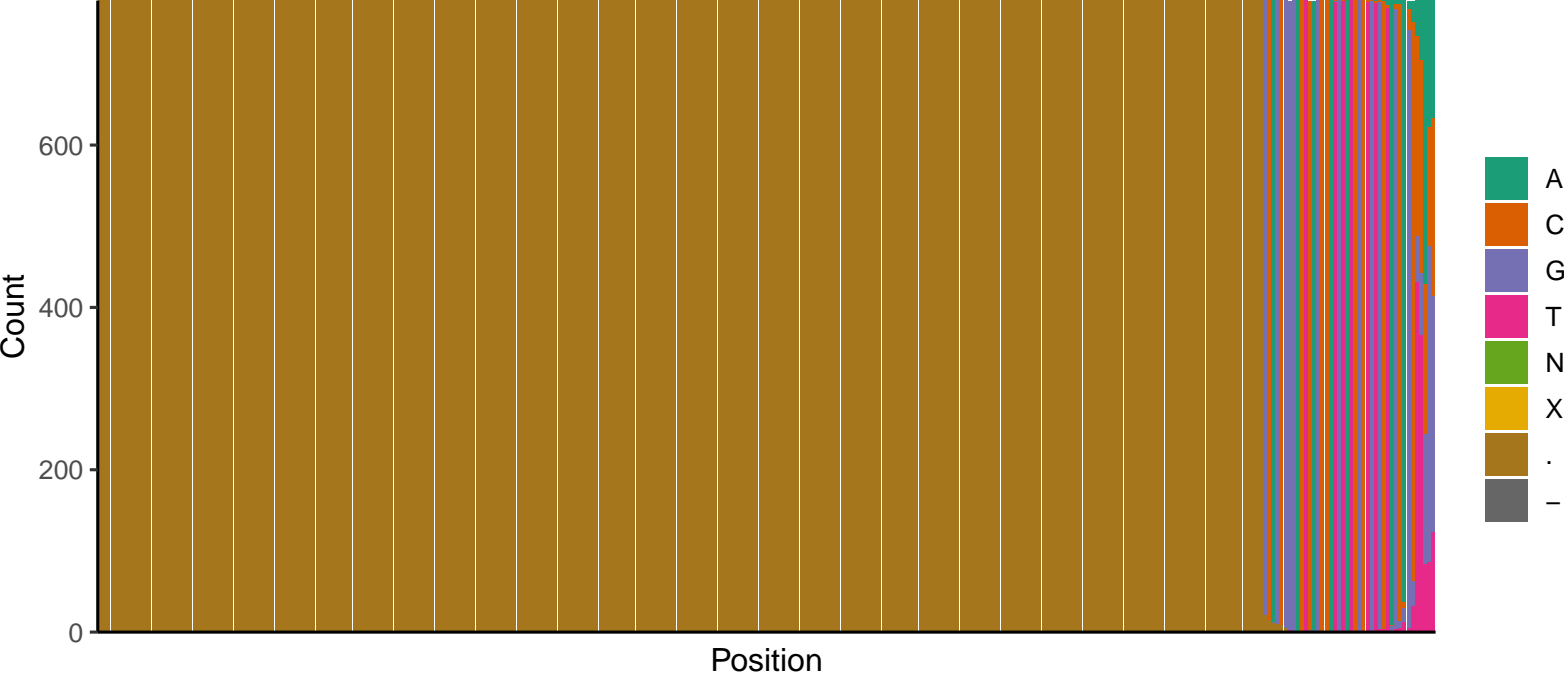
Gene TRBV7-1*ap01_G291C_T296C



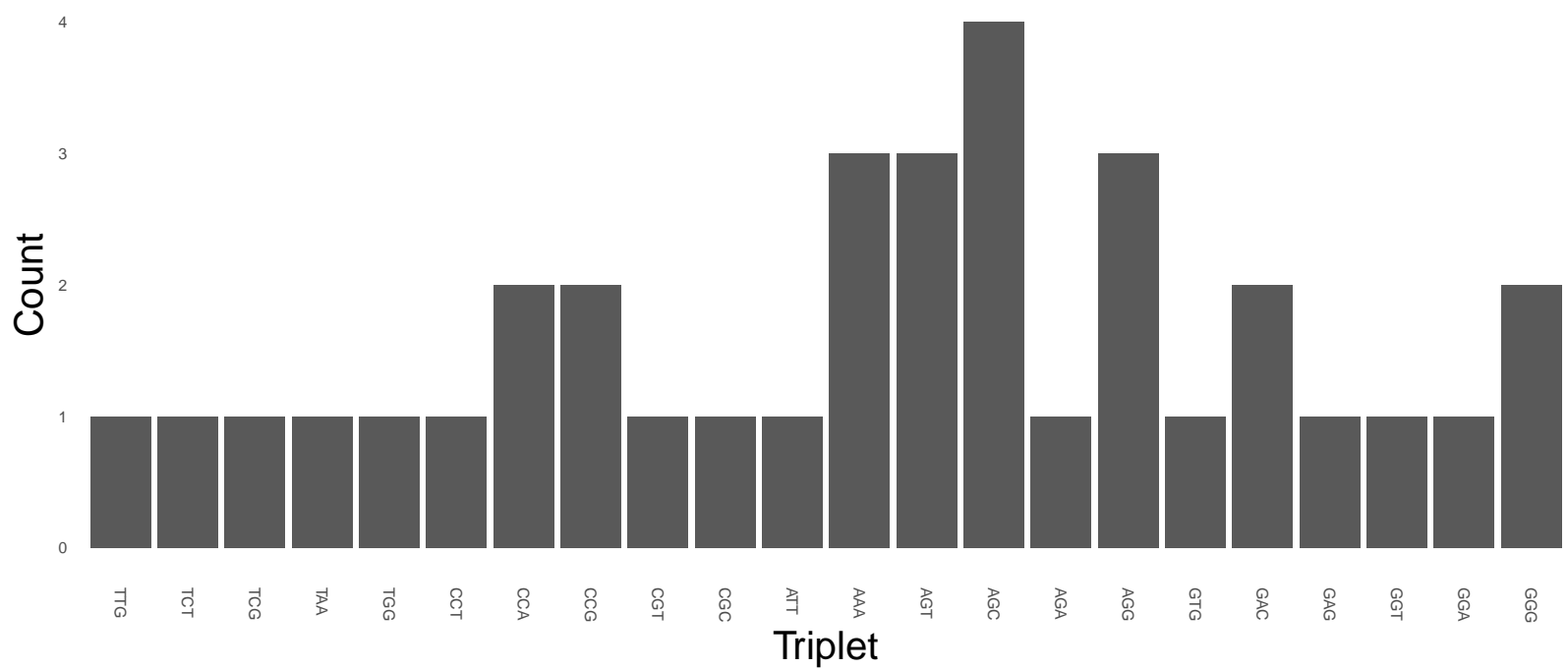
Gene TRBV7-1*ap01_G291C_T296C_C314T



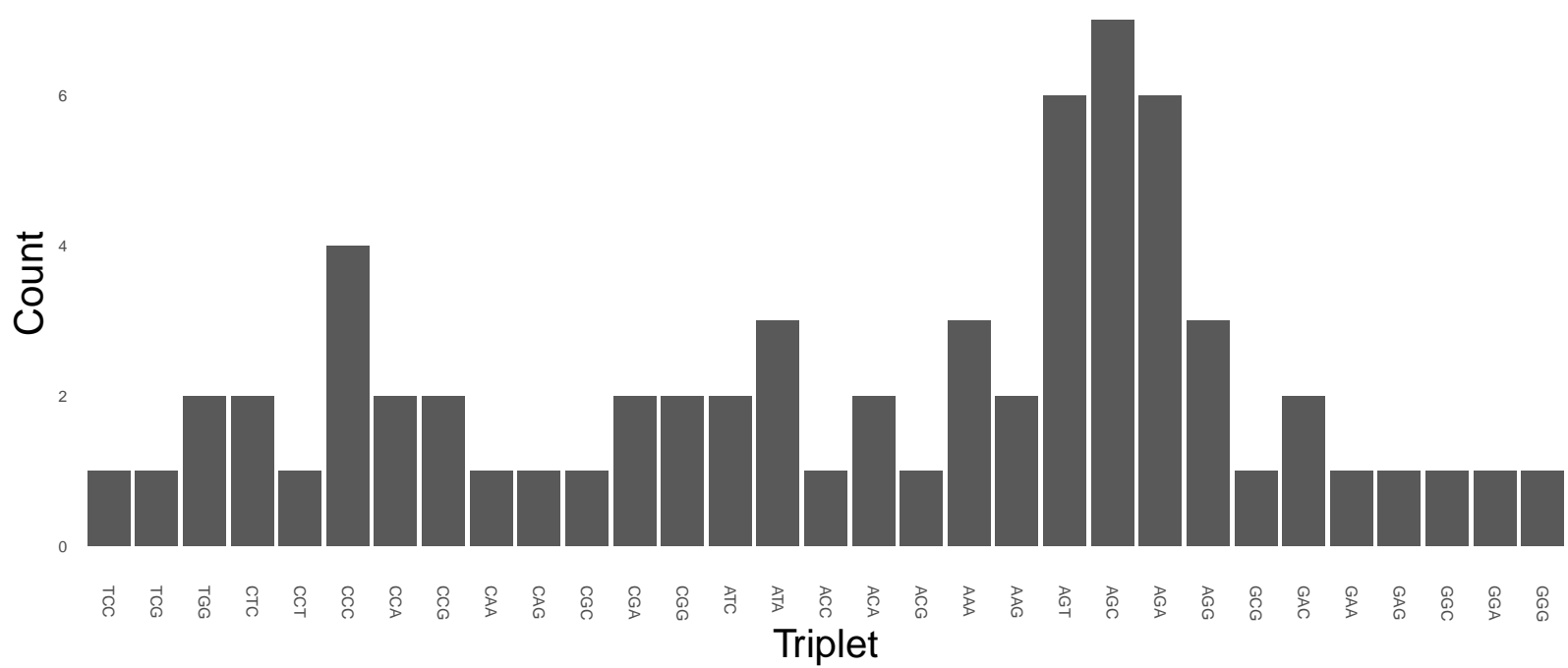
Gene TRBV7-7*ap01_C315T



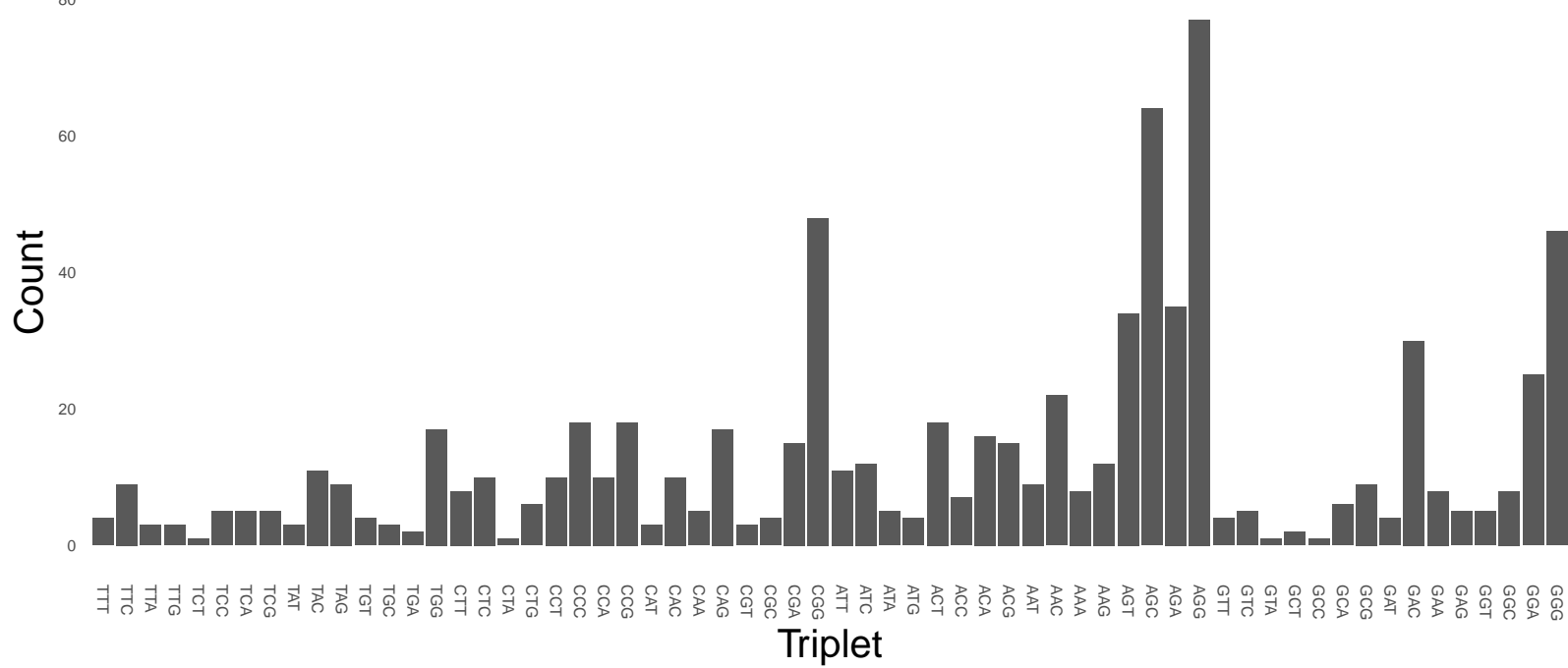
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

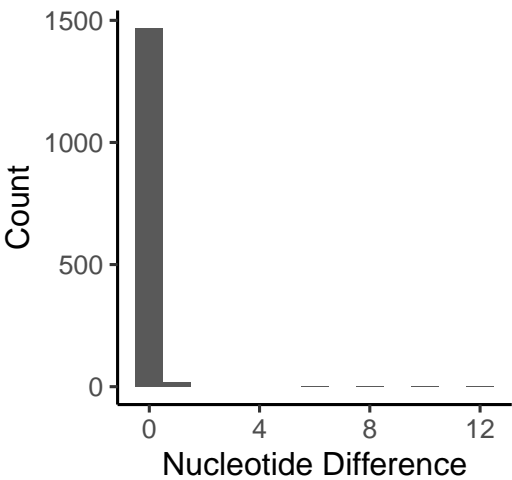


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



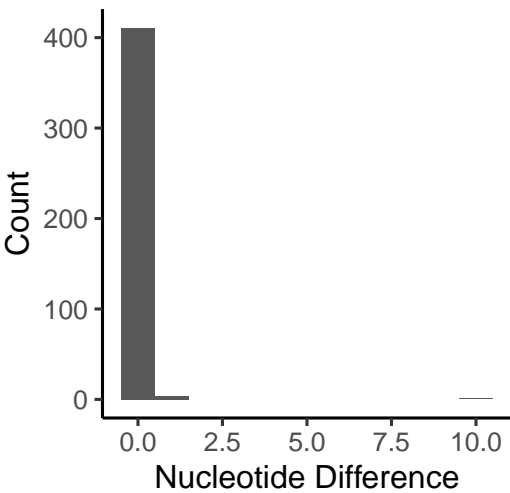
TRBV10-1*ap01

1489 sequences assigned
1467 (98.5%) exact matches, in which:
1456 unique CDR3
14 unique J



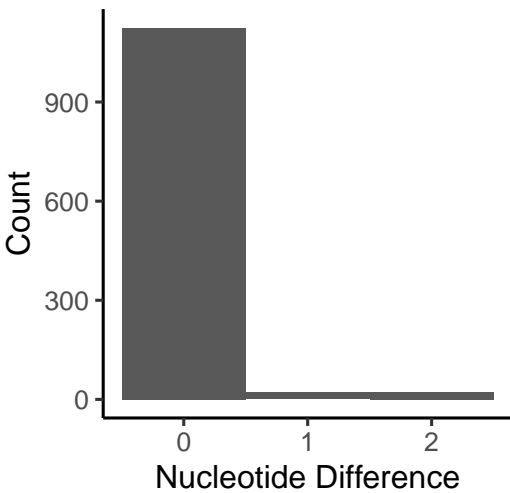
TRBV10-2*ap01

416 sequences assigned
411 (98.8%) exact matches, in which:
407 unique CDR3
14 unique J



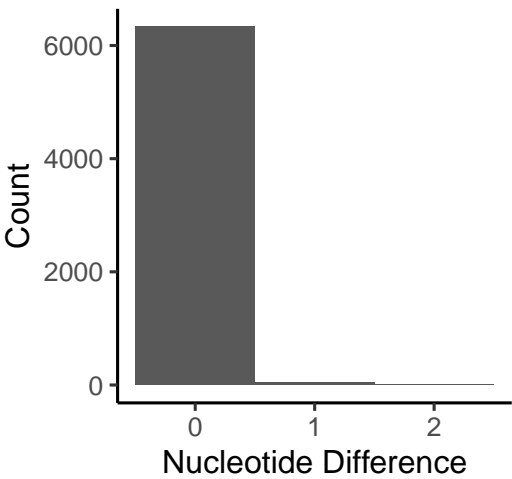
TRBV13*ap01

1168 sequences assigned
1125 (96.3%) exact matches, in which:
1117 unique CDR3
14 unique J



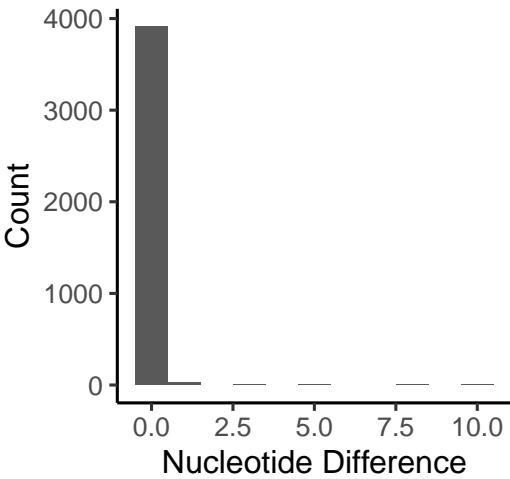
TRBV20-1*ap01

6384 sequences assigned
6332 (99.2%) exact matches, in which:
6294 unique CDR3
14 unique J



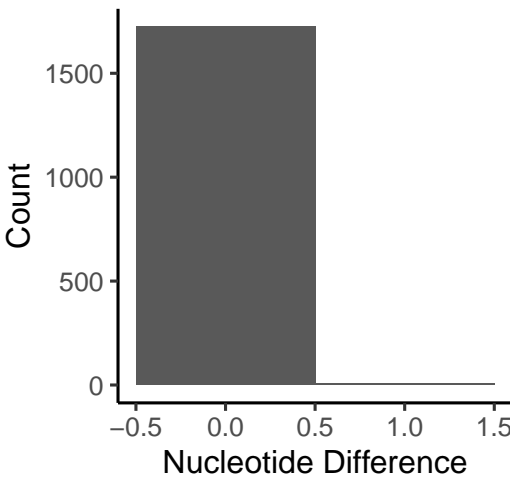
TRBV10-3*ap01

3947 sequences assigned
3911 (99.1%) exact matches, in which:
3878 unique CDR3
14 unique J



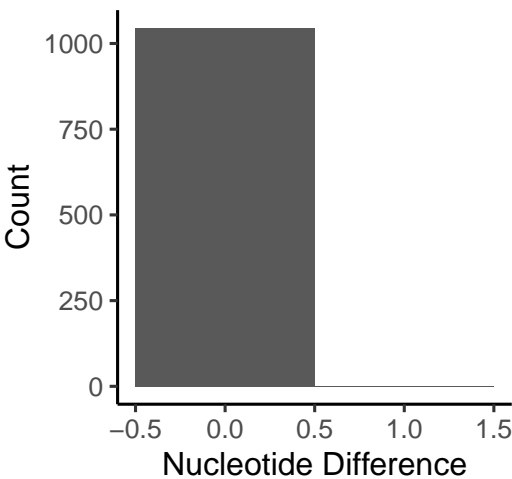
TRBV14*ap01

1733 sequences assigned
1724 (99.5%) exact matches, in which:
1712 unique CDR3
14 unique J



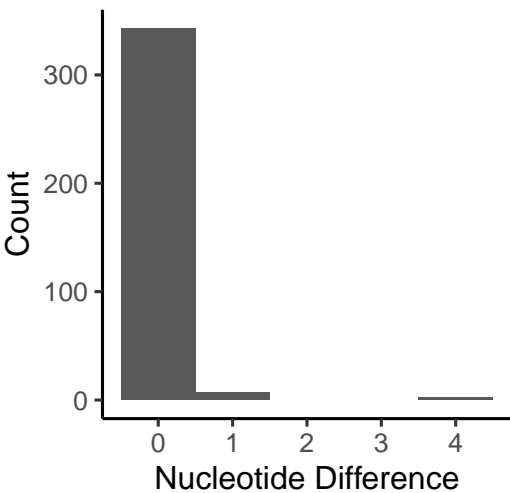
TRBV20-1*ap02

1046 sequences assigned
1045 (99.9%) exact matches, in which:
1041 unique CDR3
14 unique J



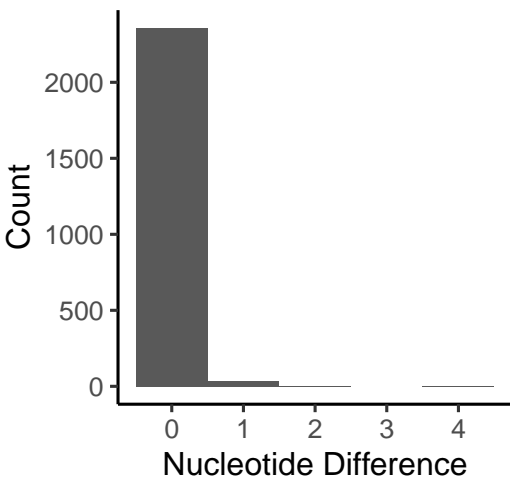
TRBV1*ap01

352 sequences assigned
343 (97.4%) exact matches, in which:
340 unique CDR3
14 unique J



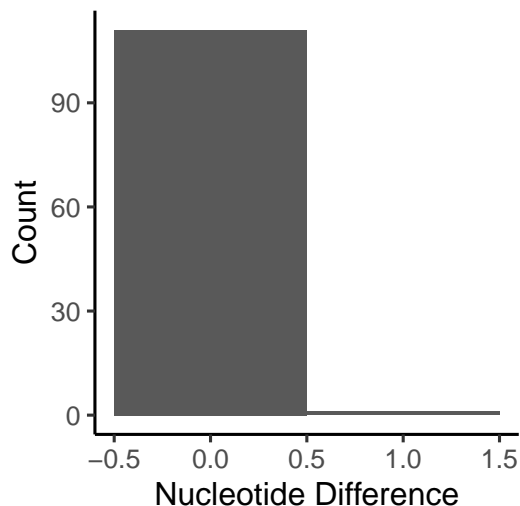
TRBV15*ap02

2393 sequences assigned
2357 (98.5%) exact matches, in which:
2343 unique CDR3
14 unique J



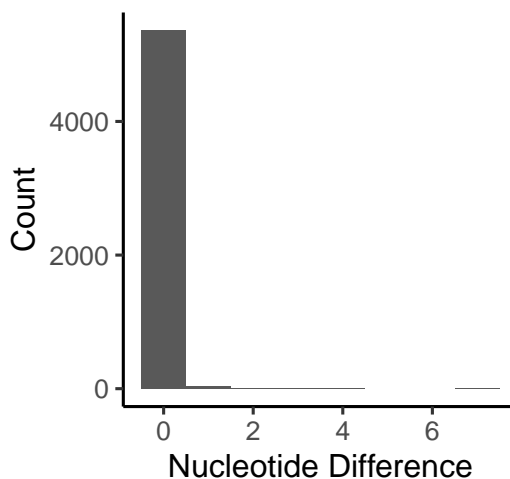
TRBV16*ap01

112 sequences assigned
111 (99.1%) exact matches, in which:
109 unique CDR3
14 unique J



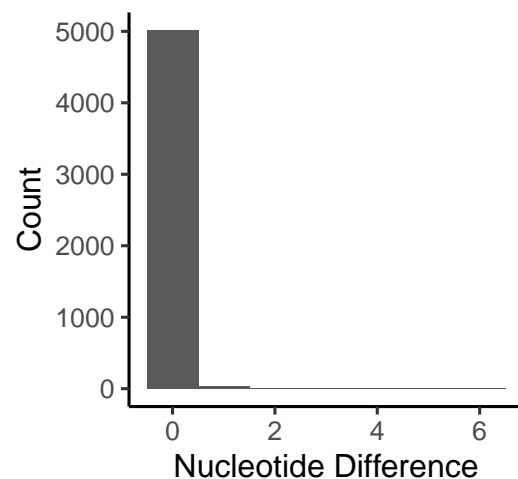
TRBV19*ap01

5413 sequences assigned
5363 (99.1%) exact matches, in which:
5345 unique CDR3
14 unique J



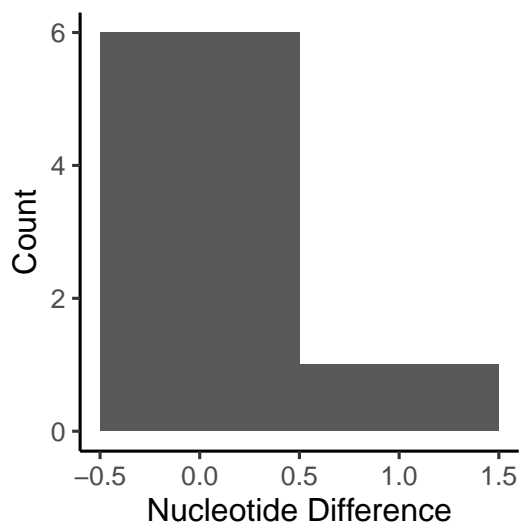
TRBV27*ap01

5065 sequences assigned
5013 (99%) exact matches, in which:
4980 unique CDR3
14 unique J



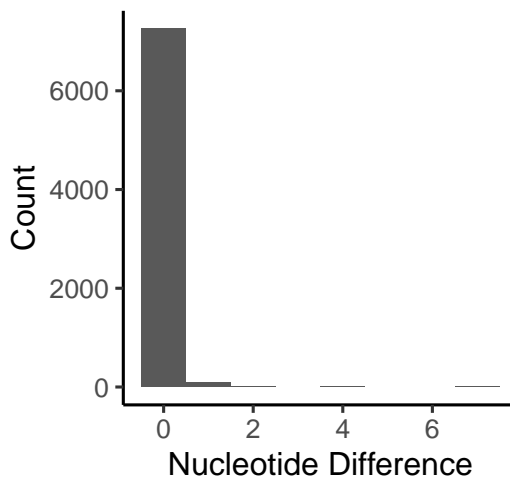
TRBV17*ap01

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



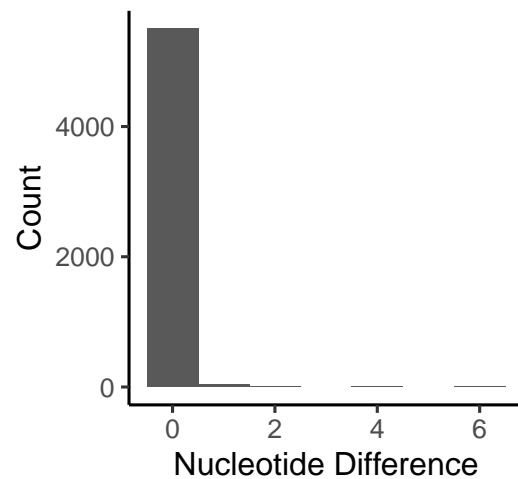
TRBV2*ap01

7342 sequences assigned
7257 (98.8%) exact matches, in which:
7184 unique CDR3
14 unique J



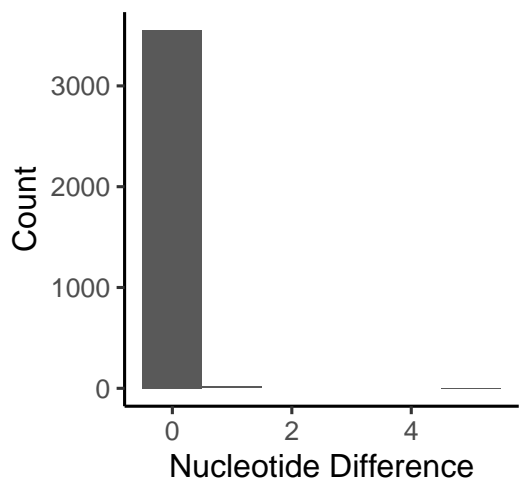
TRBV28*ap01

5551 sequences assigned
5502 (99.1%) exact matches, in which:
5474 unique CDR3
14 unique J



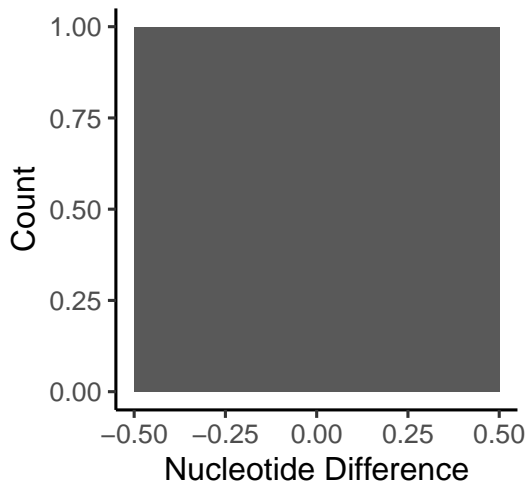
TRBV18*ap01

3574 sequences assigned
3554 (99.4%) exact matches, in which:
3537 unique CDR3
14 unique J



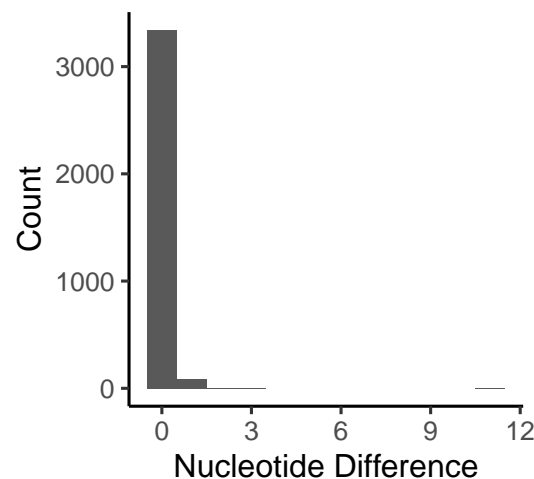
TRBV26*ap01

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



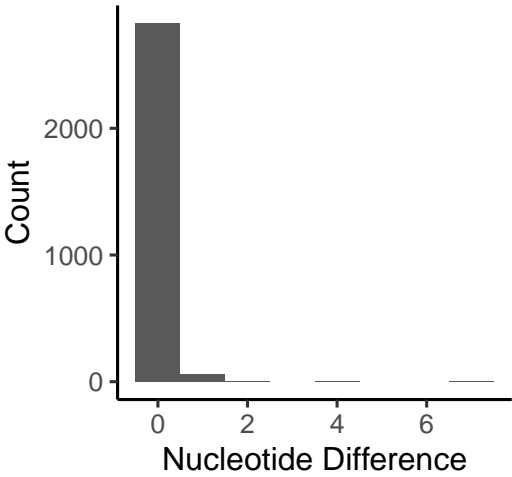
TRBV30*ap01

3438 sequences assigned
3341 (97.2%) exact matches, in which:
3286 unique CDR3
14 unique J



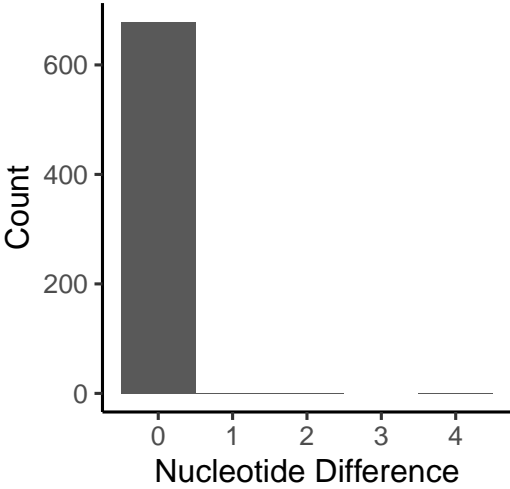
TRBV30*ap02

2899 sequences assigned
2828 (97.6%) exact matches, in which:
2758 unique CDR3
14 unique J



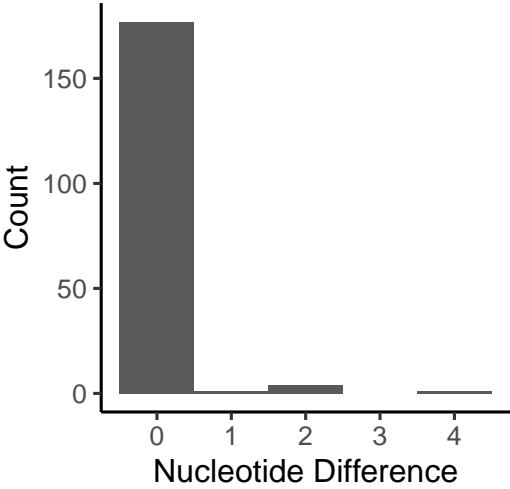
TRBV11-1*ap01

682 sequences assigned
679 (99.6%) exact matches, in which:
679 unique CDR3
14 unique J



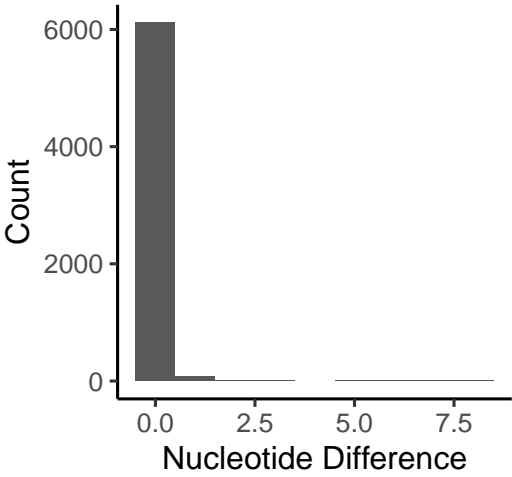
TRBV12-1*ap01

183 sequences assigned
177 (96.7%) exact matches, in which:
176 unique CDR3
13 unique J



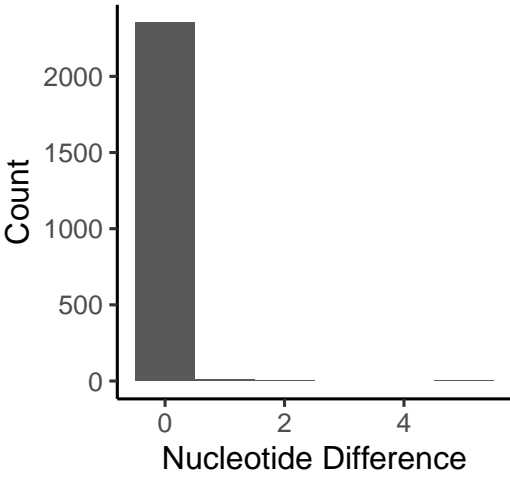
TRBV9*ap01

6199 sequences assigned
6115 (98.6%) exact matches, in which:
6094 unique CDR3
14 unique J



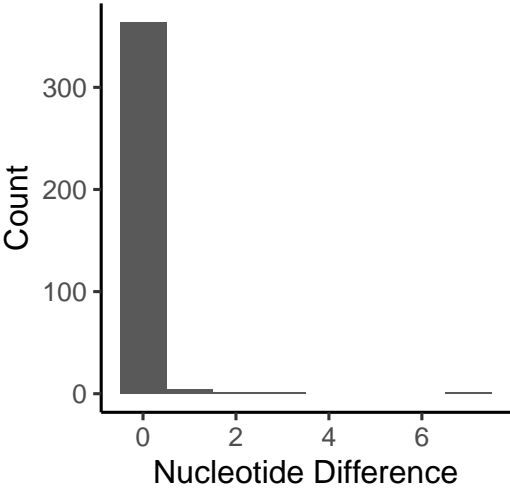
TRBV11-2*ap01

2364 sequences assigned
2352 (99.5%) exact matches, in which:
2342 unique CDR3
14 unique J



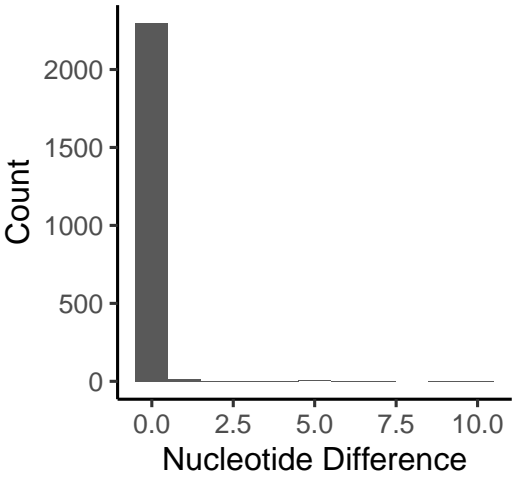
TRBV12-2*ap01

371 sequences assigned
364 (98.1%) exact matches, in which:
362 unique CDR3
14 unique J



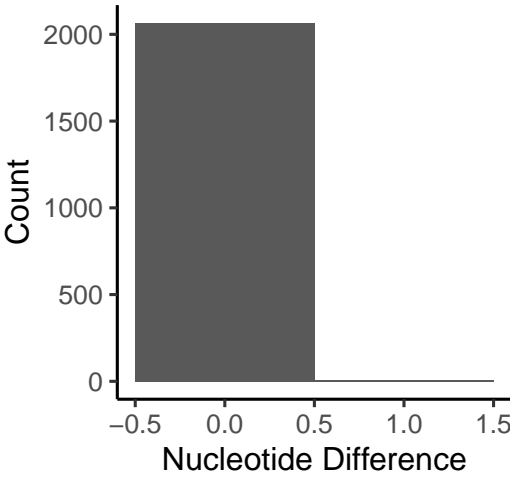
TRBV21-1*ap01

2330 sequences assigned
2298 (98.6%) exact matches, in which:
2282 unique CDR3
14 unique J



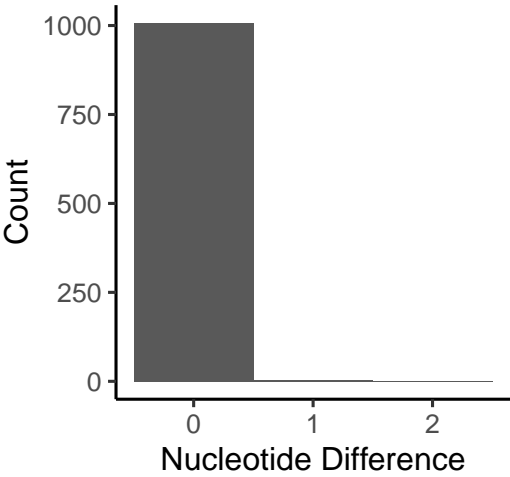
TRBV11-3*ap01

2073 sequences assigned
2065 (99.6%) exact matches, in which:
2059 unique CDR3
14 unique J



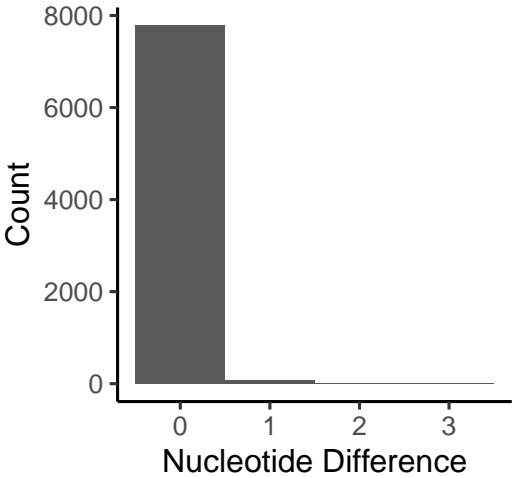
TRBV12-5*ap01

1012 sequences assigned
1007 (99.5%) exact matches, in which:
1000 unique CDR3
14 unique J



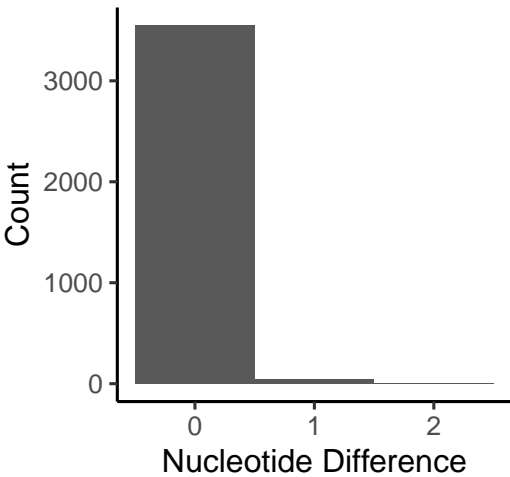
TRBV12-34*ap01

7879 sequences assigned
7785 (98.8%) exact matches, in which:
7732 unique CDR3
14 unique J



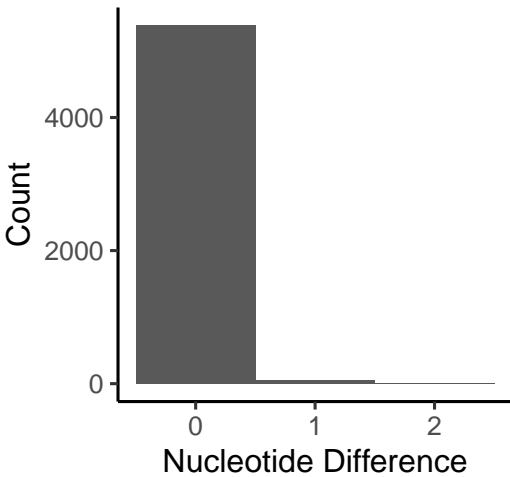
TRBV4-1*ap01

3595 sequences assigned
3549 (98.7%) exact matches, in which:
3521 unique CDR3
14 unique J



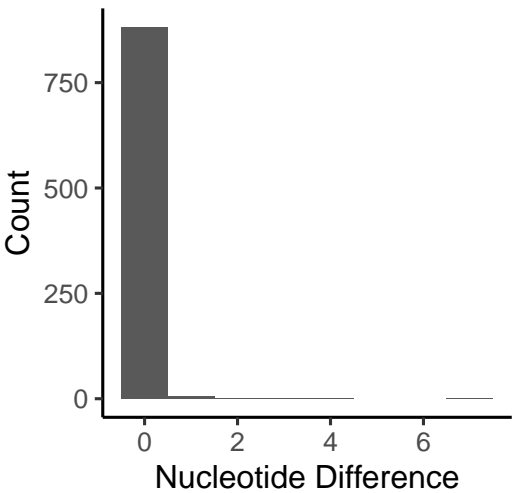
TRBV4-3*ap01

5446 sequences assigned
5384 (98.9%) exact matches, in which:
5346 unique CDR3
14 unique J



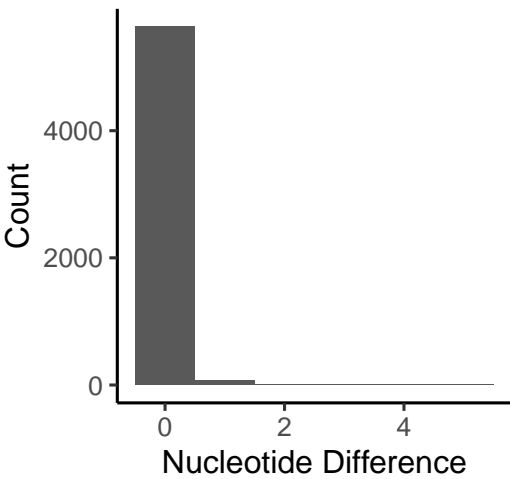
TRBV23-1*ap01

892 sequences assigned
882 (98.9%) exact matches, in which:
876 unique CDR3
14 unique J



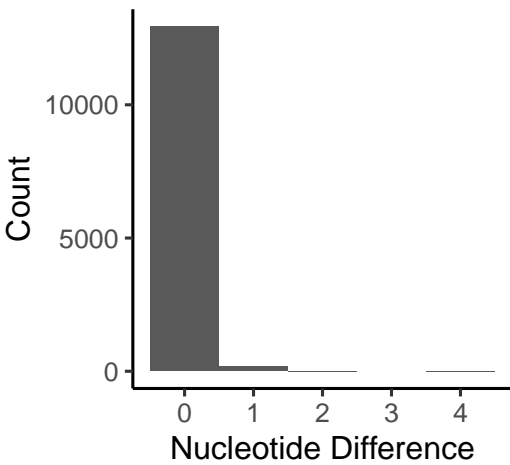
TRBV24-1*ap01

5709 sequences assigned
5635 (98.7%) exact matches, in which:
5581 unique CDR3
14 unique J



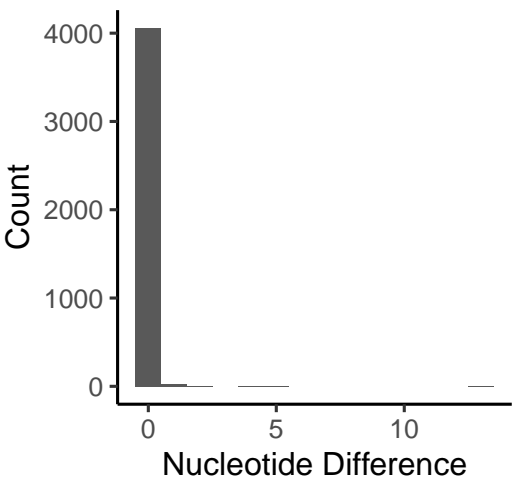
TRBV5-1*ap01

13117 sequences assigned
12939 (98.6%) exact matches, in which:
12849 unique CDR3
14 unique J



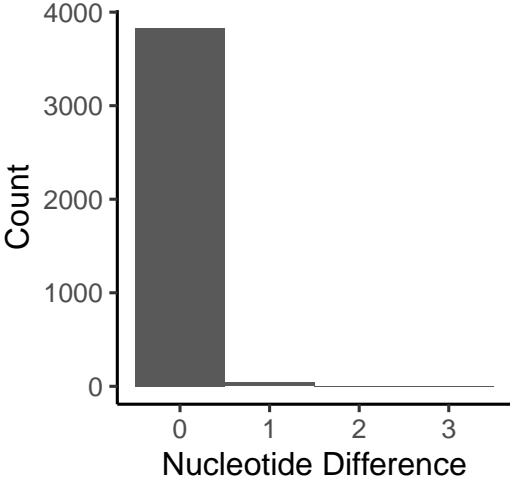
TRBV3-12*ap01

4093 sequences assigned
4058 (99.1%) exact matches, in which:
4042 unique CDR3
14 unique J



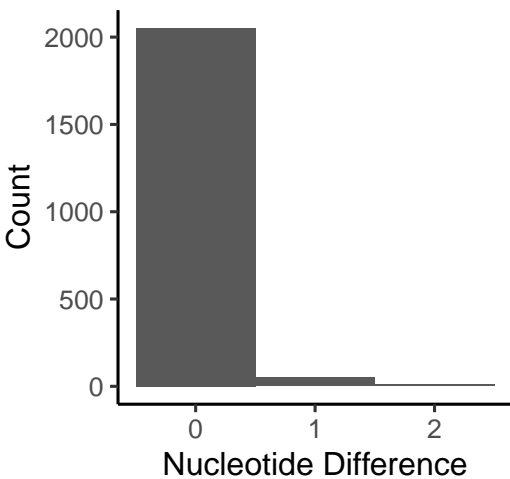
TRBV4-2*ap01

3874 sequences assigned
3830 (98.9%) exact matches, in which:
3799 unique CDR3
14 unique J



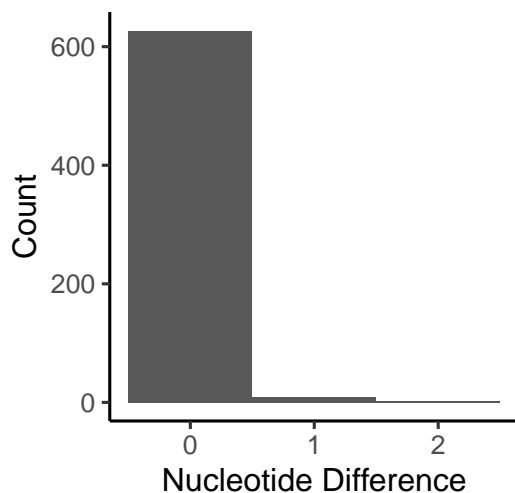
TRBV25-1*ap01

2114 sequences assigned
2052 (97.1%) exact matches, in which:
2011 unique CDR3
14 unique J



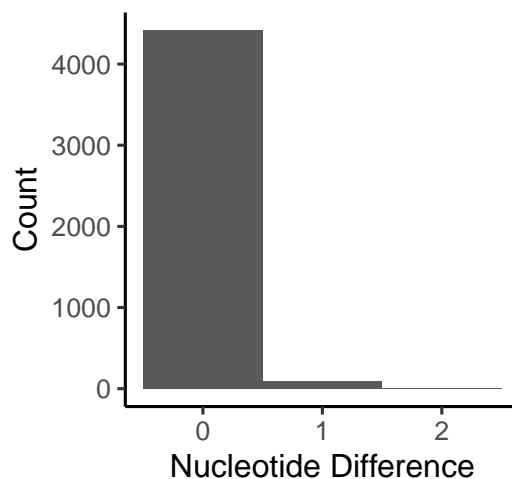
TRBV5-3*ap01

638 sequences assigned
627 (98.3%) exact matches, in which:
622 unique CDR3
14 unique J



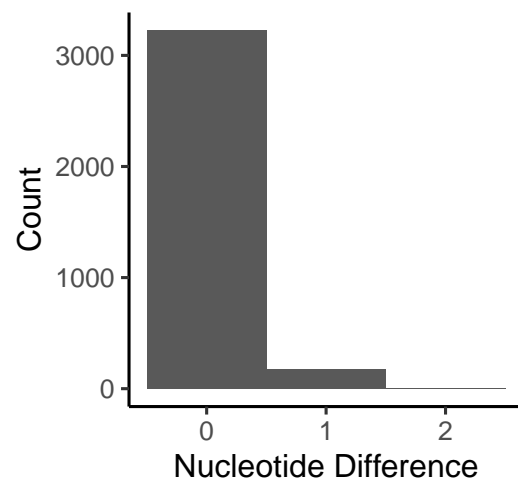
TRBV5-6*ap01

4503 sequences assigned
4415 (98%) exact matches, in which:
4349 unique CDR3
14 unique J



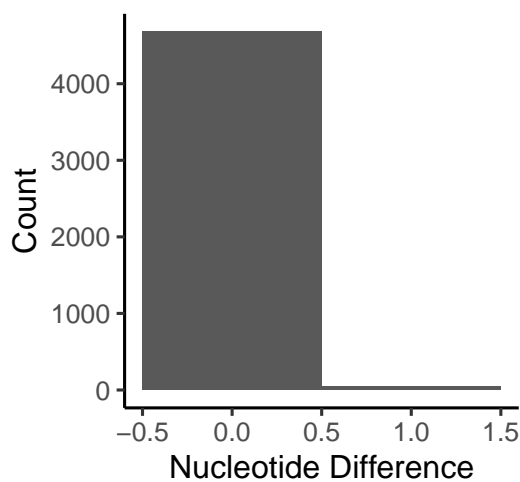
TRBV6-1*ap01

3398 sequences assigned
3225 (94.9%) exact matches, in which:
3192 unique CDR3
14 unique J



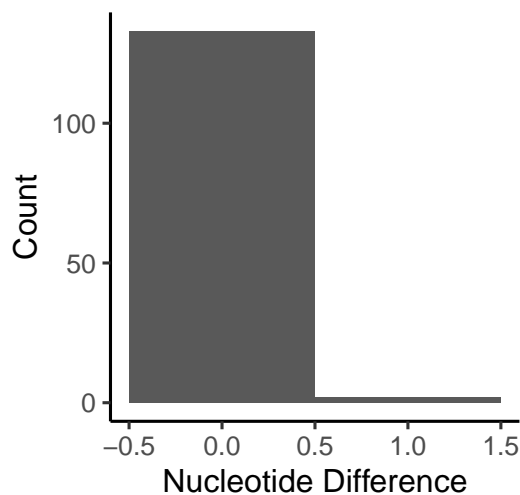
TRBV5-4*ap01

4724 sequences assigned
4679 (99%) exact matches, in which:
4649 unique CDR3
14 unique J



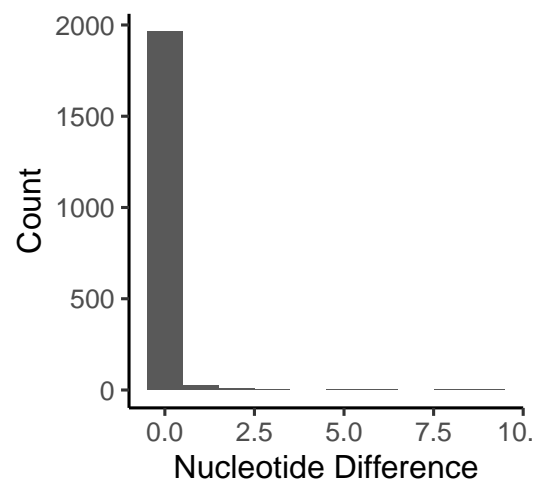
TRBV5-7*ap01

135 sequences assigned
133 (98.5%) exact matches, in which:
132 unique CDR3
14 unique J



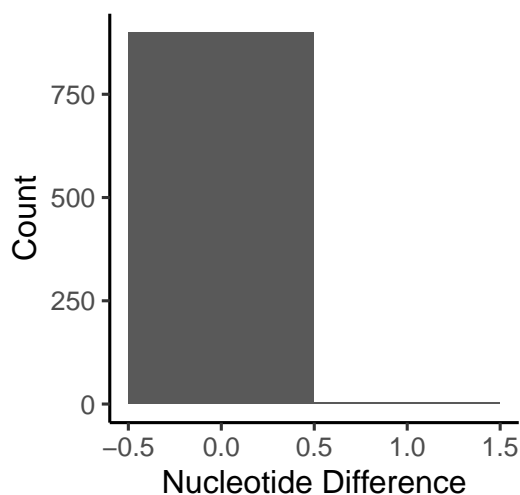
TRBV6-4*ap01

2000 sequences assigned
1963 (98.2%) exact matches, in which:
1949 unique CDR3
14 unique J



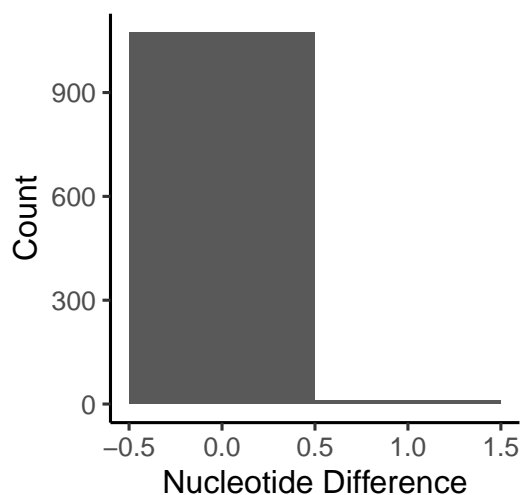
TRBV5-5*ap01

903 sequences assigned
900 (99.7%) exact matches, in which:
896 unique CDR3
14 unique J



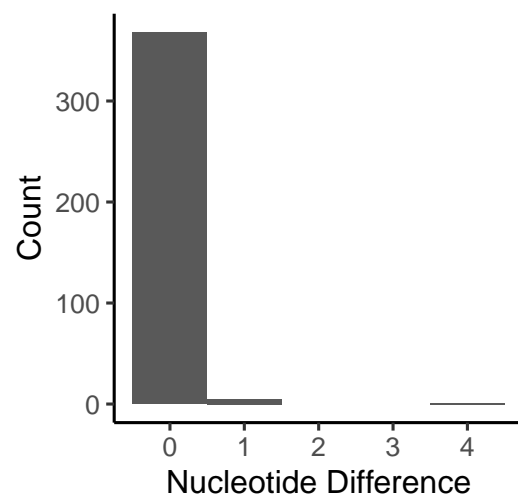
TRBV5-8*ap01

1083 sequences assigned
1074 (99.2%) exact matches, in which:
1067 unique CDR3
14 unique J



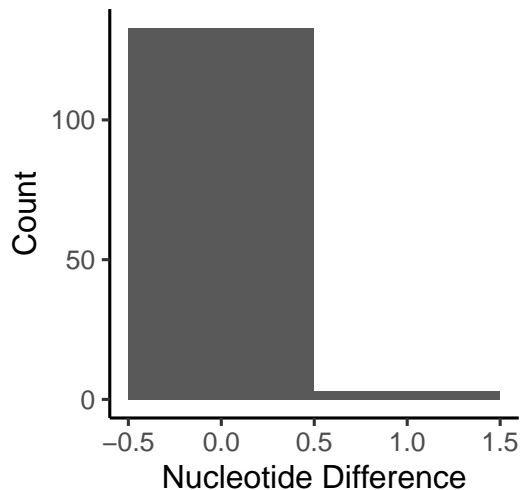
TRBV6-7*ap01

374 sequences assigned
368 (98.4%) exact matches, in which:
364 unique CDR3
14 unique J



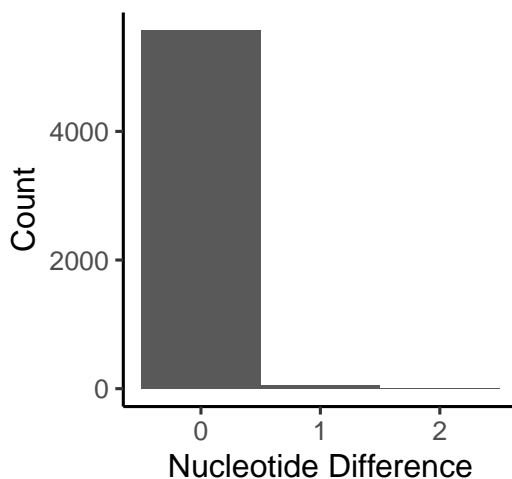
TRBV6-8*ap01

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



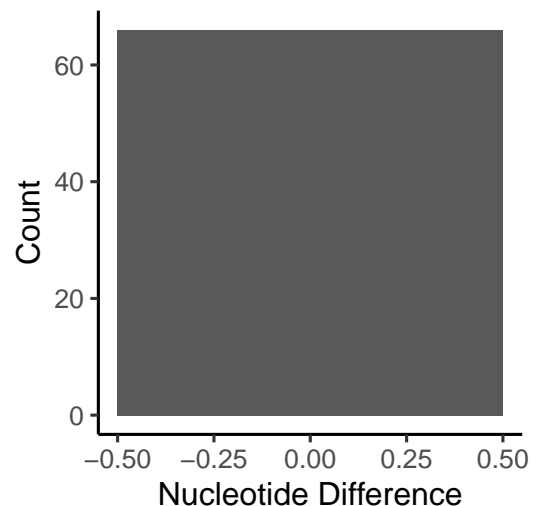
TRBV6-56*ap01

5631 sequences assigned
5570 (98.9%) exact matches, in which:
5491 unique CDR3
14 unique J



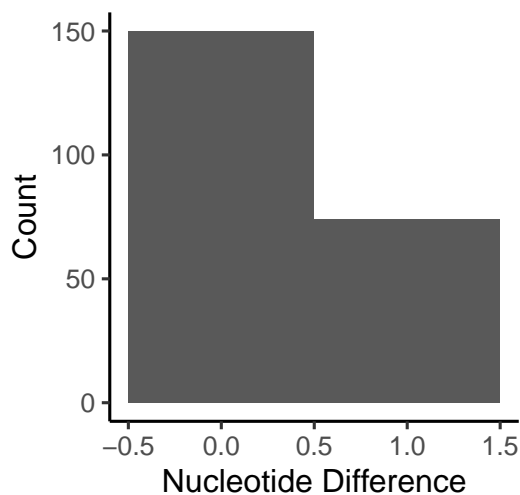
TRBV7-1*ap01_G291C_T

66 sequences assigned
66 (100%) exact matches, in which:
65 unique CDR3
11 unique J



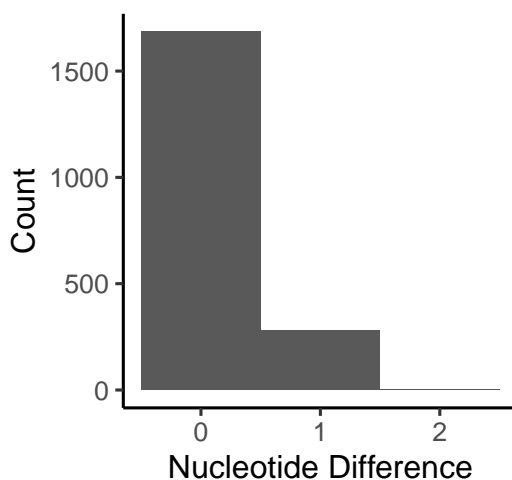
TRBV6-9*ap01

224 sequences assigned
150 (67%) exact matches, in which:
146 unique CDR3
14 unique J



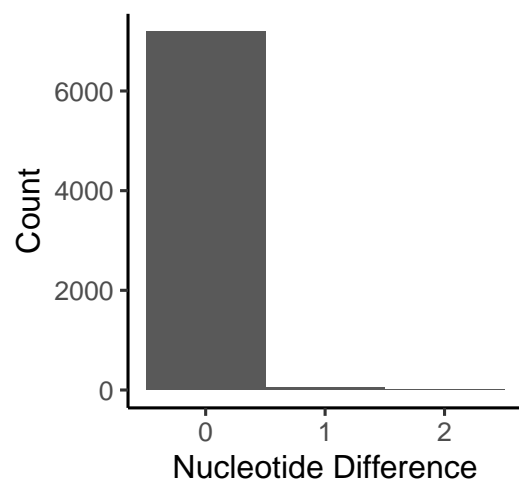
TRBV6-56*ap02

1968 sequences assigned
1685 (85.6%) exact matches, in which:
1668 unique CDR3
14 unique J



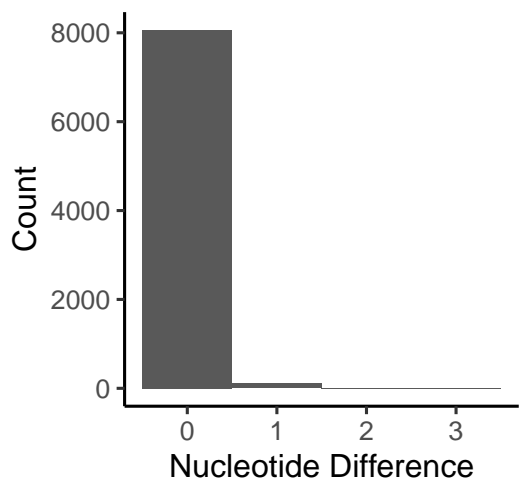
TRBV7-2*ap01

7249 sequences assigned
7189 (99.2%) exact matches, in which:
7150 unique CDR3
14 unique J



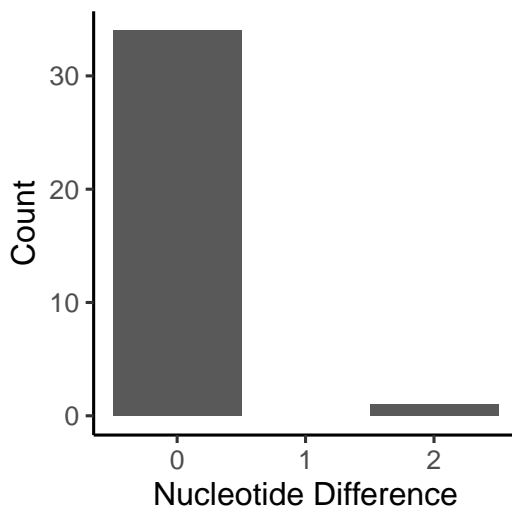
TRBV6-23*ap01

8177 sequences assigned
8062 (98.6%) exact matches, in which:
7956 unique CDR3
14 unique J



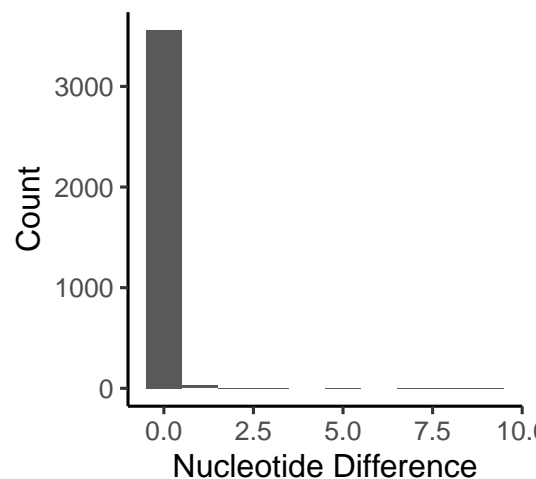
TRBV7-1*ap01_G291C_T

35 sequences assigned
34 (97.1%) exact matches, in which:
34 unique CDR3
11 unique J



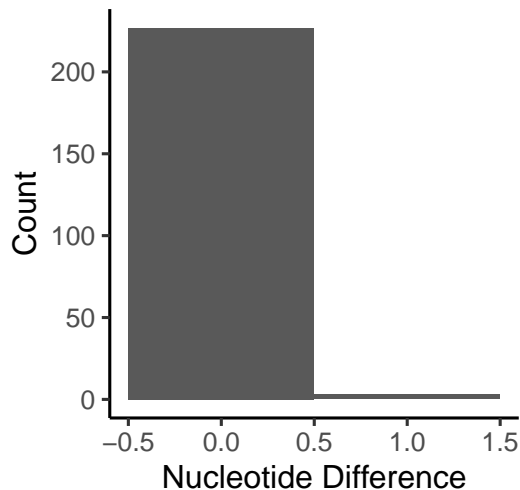
TRBV7-3*ap01

3596 sequences assigned
3560 (99%) exact matches, in which:
3552 unique CDR3
14 unique J



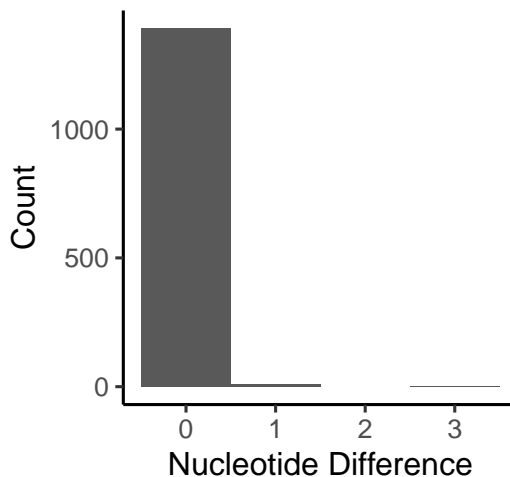
TRBV7-4*ap01

230 sequences assigned
227 (98.7%) exact matches, in which:
227 unique CDR3
14 unique J



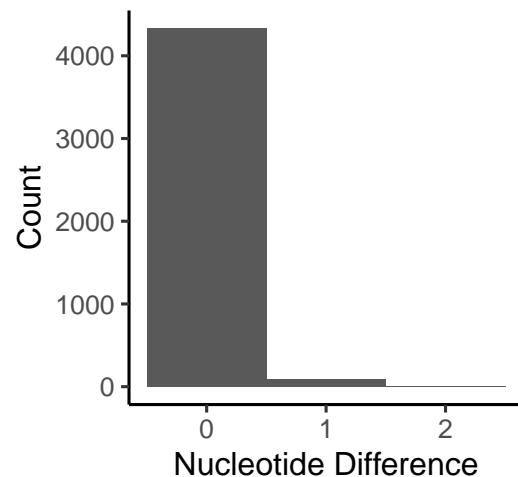
TRBV7-8*ap01

1401 sequences assigned
1391 (99.3%) exact matches, in which:
1386 unique CDR3
14 unique J



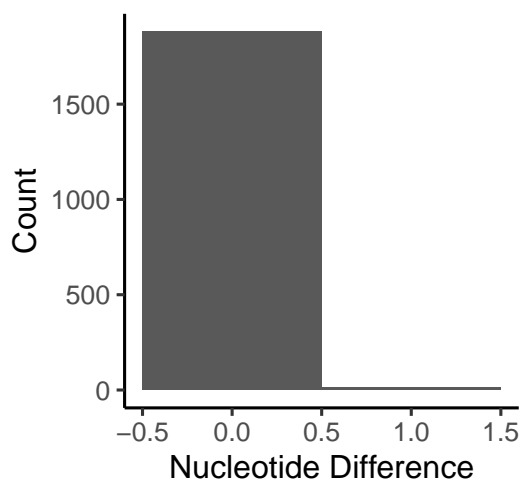
TRBV29-1*ap01

4425 sequences assigned
4331 (97.9%) exact matches, in which:
4242 unique CDR3
14 unique J



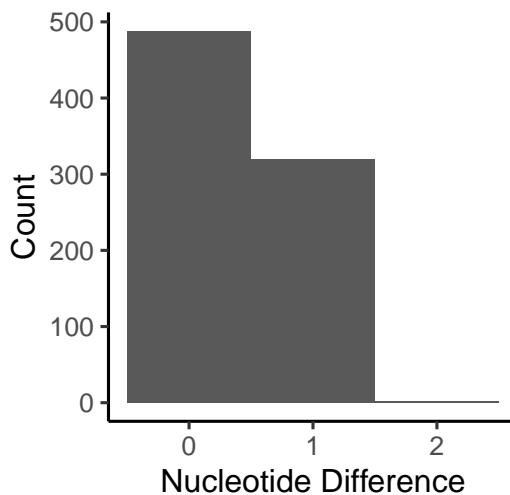
TRBV7-6*ap01

1895 sequences assigned
1880 (99.2%) exact matches, in which:
1873 unique CDR3
14 unique J



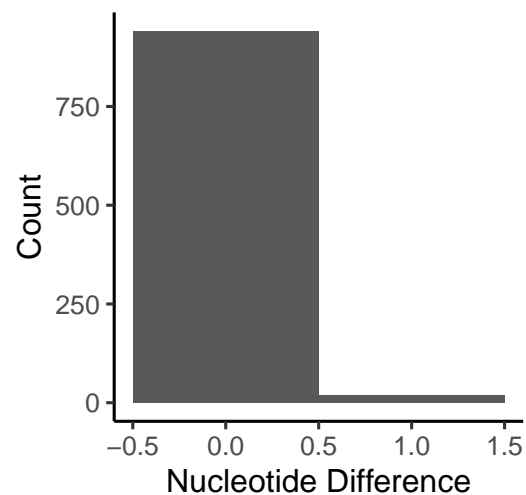
TRBV7-8*ap03

810 sequences assigned
488 (60.2%) exact matches, in which:
486 unique CDR3
14 unique J



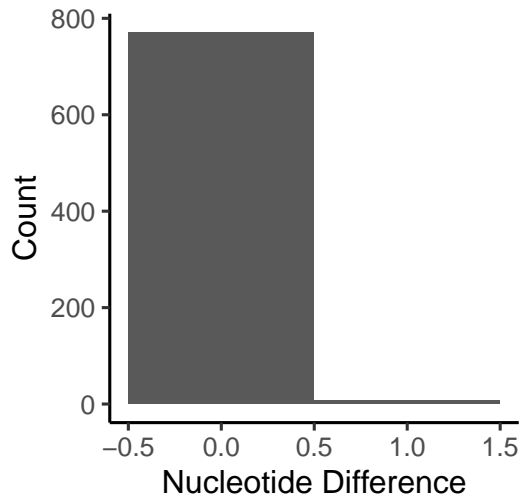
TRBV29-1*ap02

961 sequences assigned
941 (97.9%) exact matches, in which:
919 unique CDR3
14 unique J



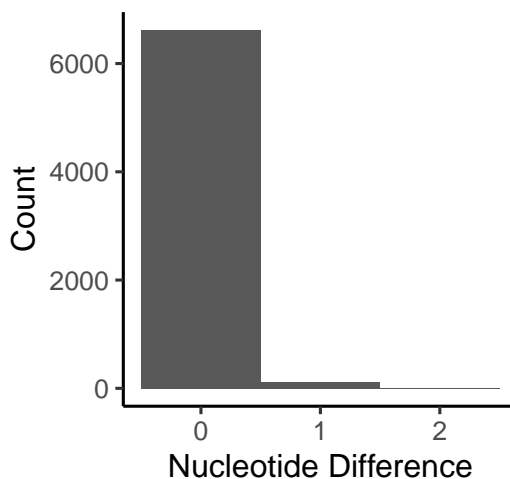
TRBV7-7*ap01_C315T

778 sequences assigned
771 (99.1%) exact matches, in which:
767 unique CDR3
14 unique J

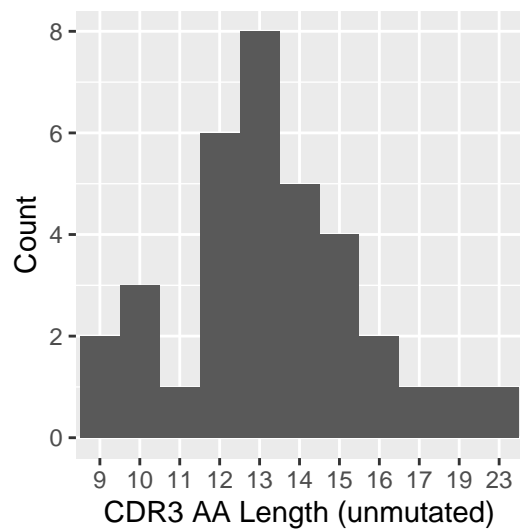


TRBV7-9*ap01

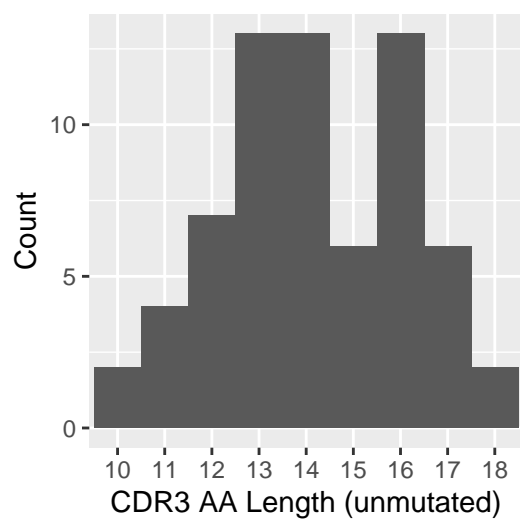
6745 sequences assigned
6619 (98.1%) exact matches, in which:
6574 unique CDR3
14 unique J



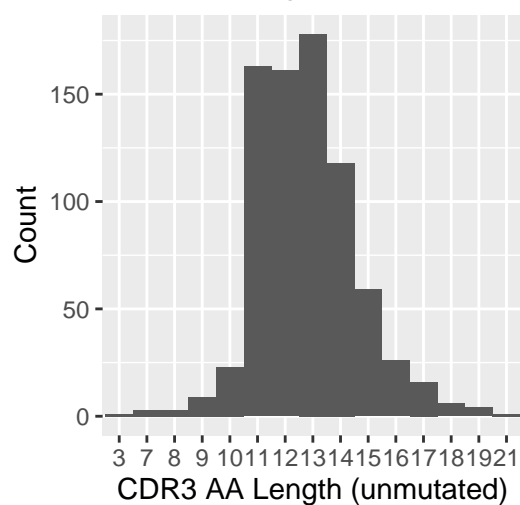
TRBV7-1*ap01_G291C_T296C

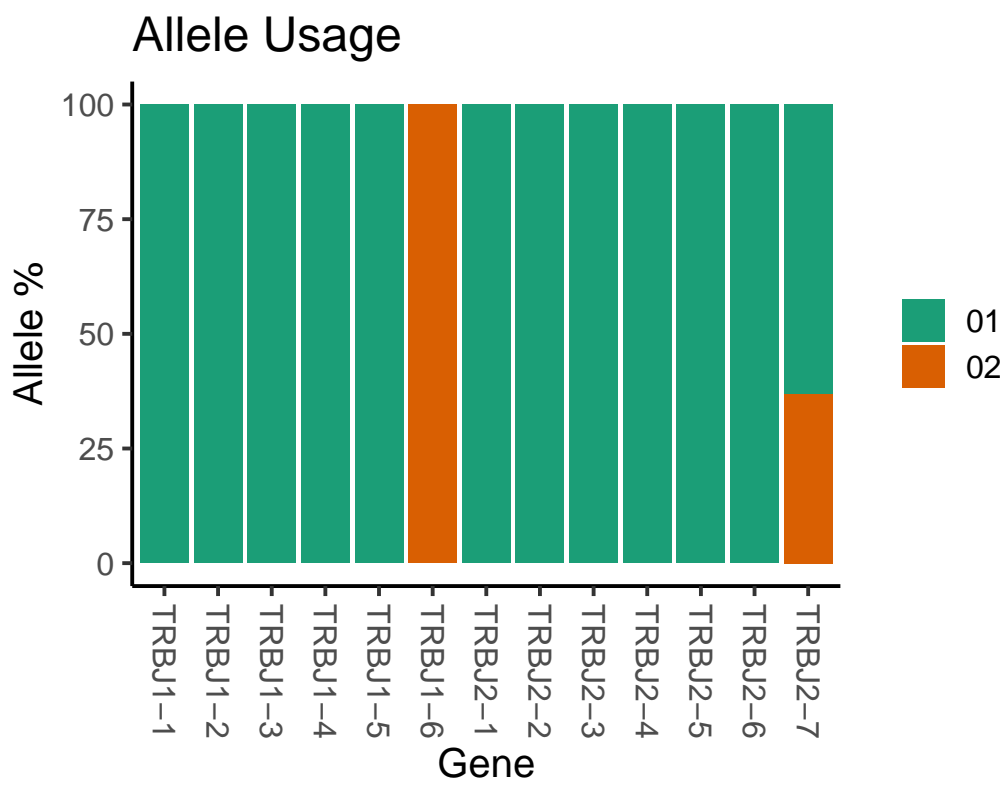


TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

