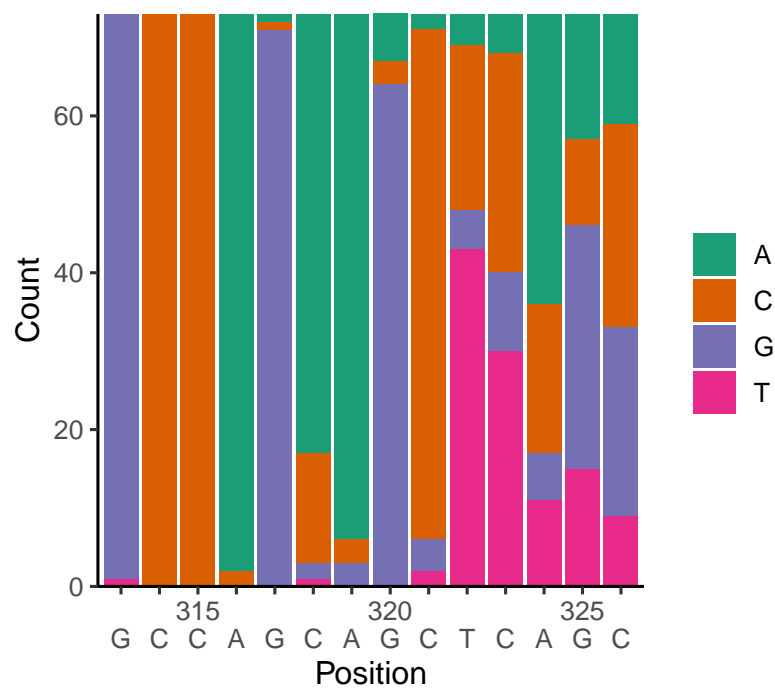
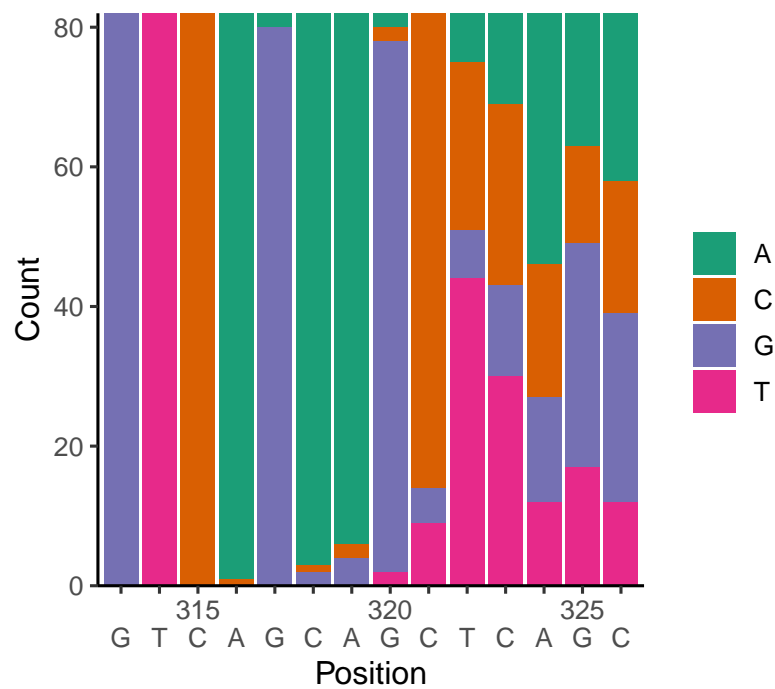


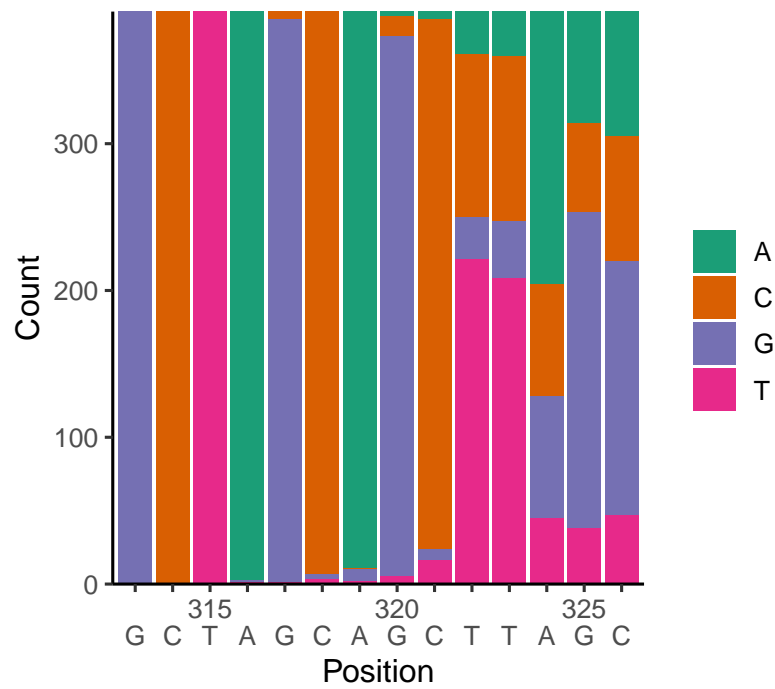
Gene TRBV7-1*ap01_G291C_T296C



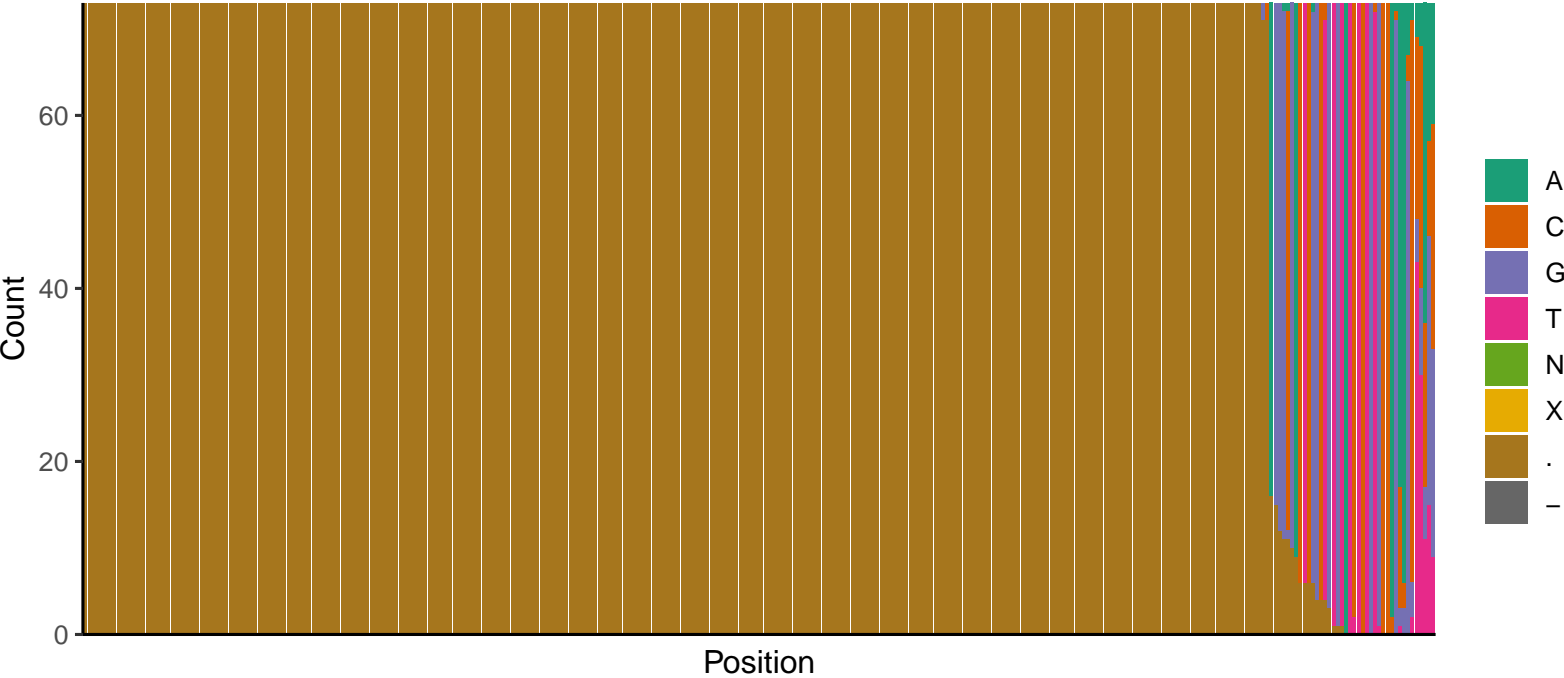
Gene TRBV7-1*ap01_G291C_T296C_C314T



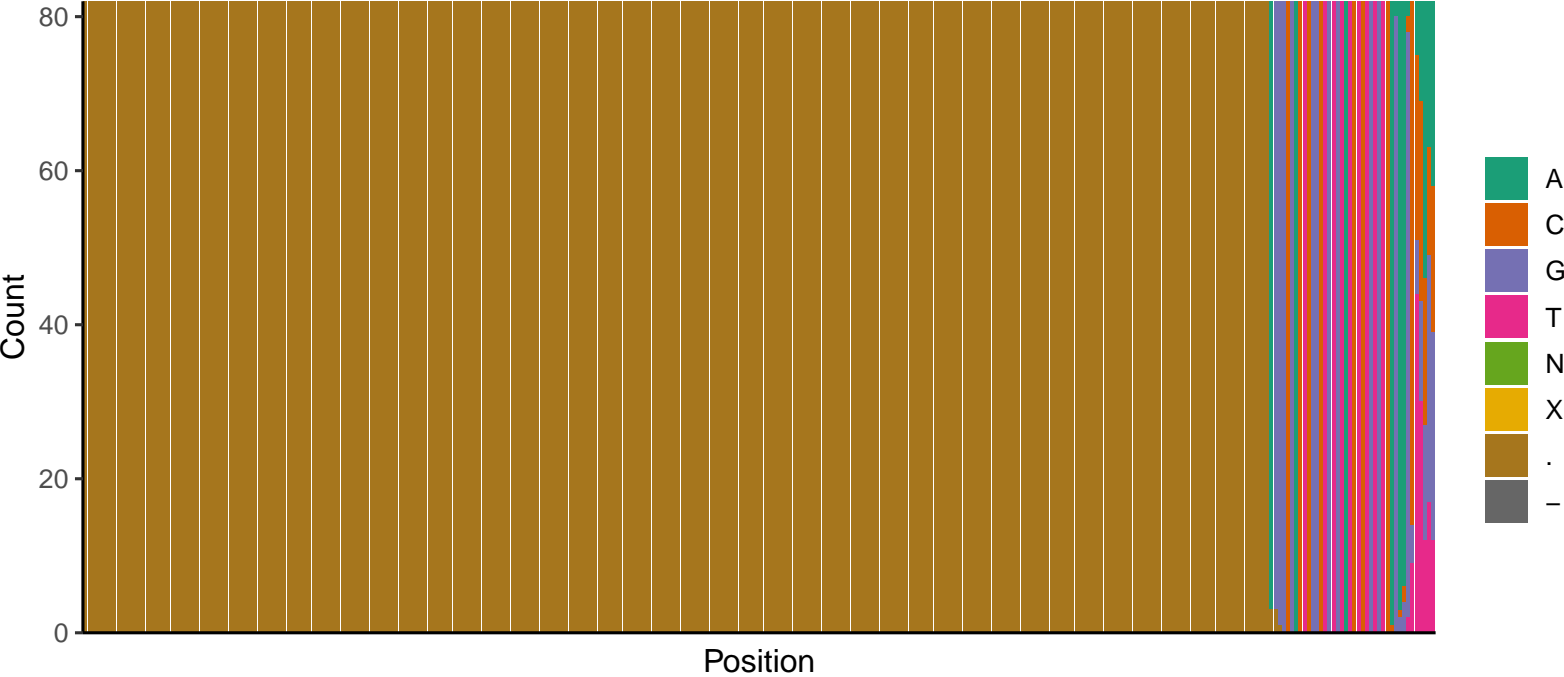
Gene TRBV7-7*ap01_C315T



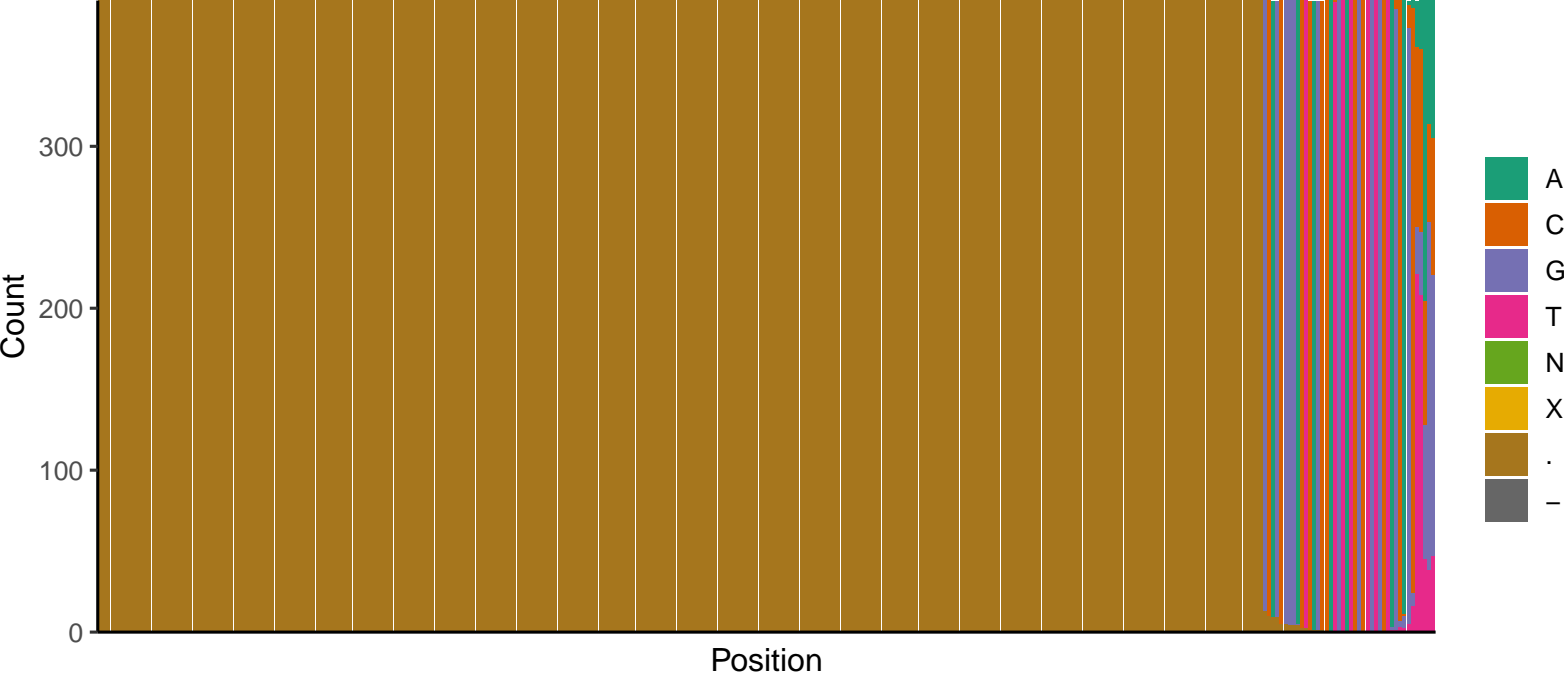
Gene TRBV7-1*ap01_G291C_T296C



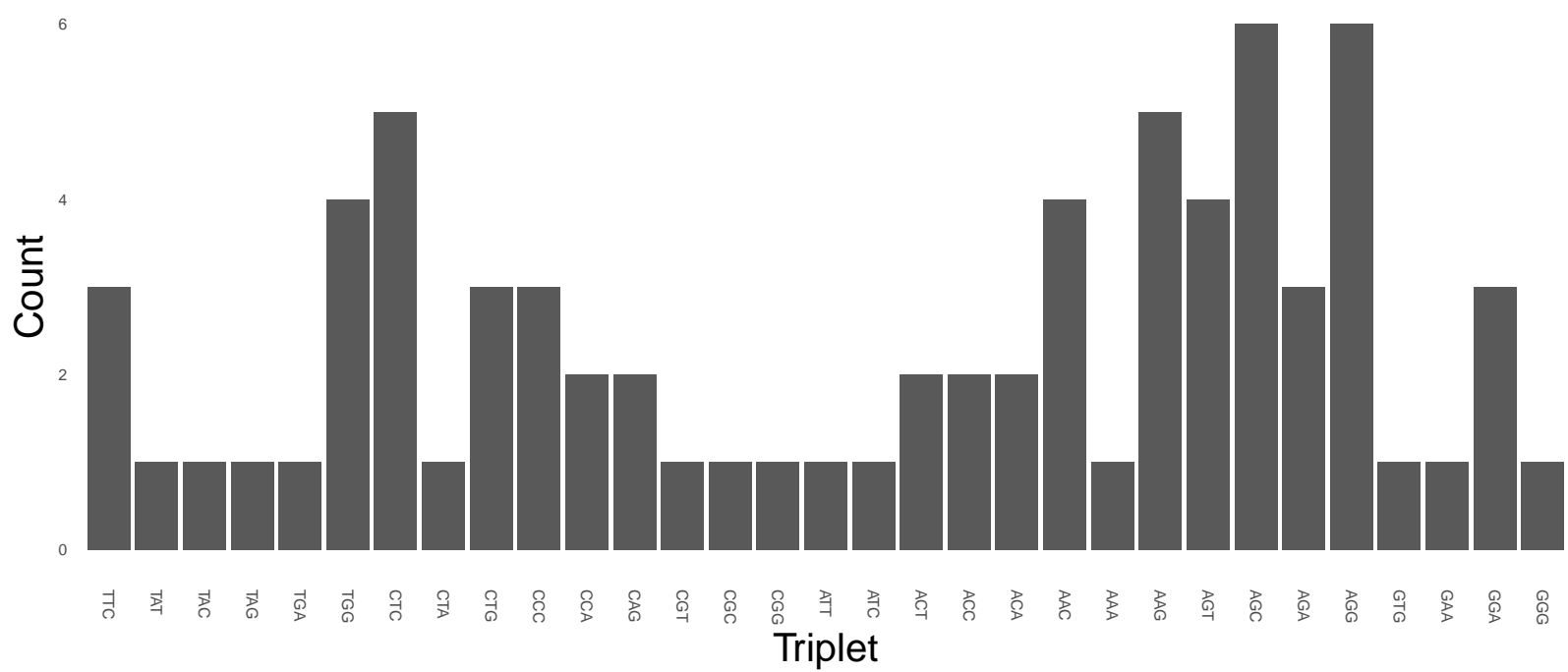
Gene TRBV7-1*ap01_G291C_T296C_C314T



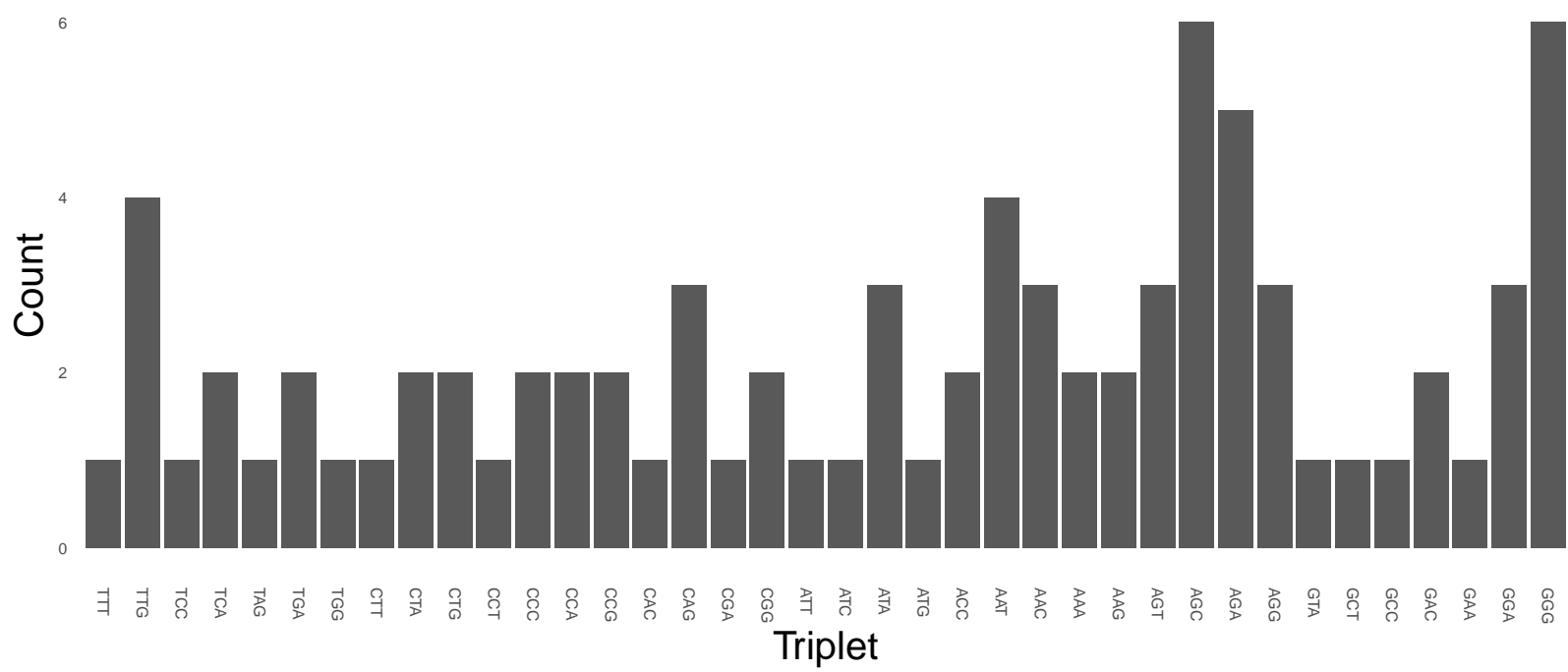
Gene TRBV7-7*ap01_C315T



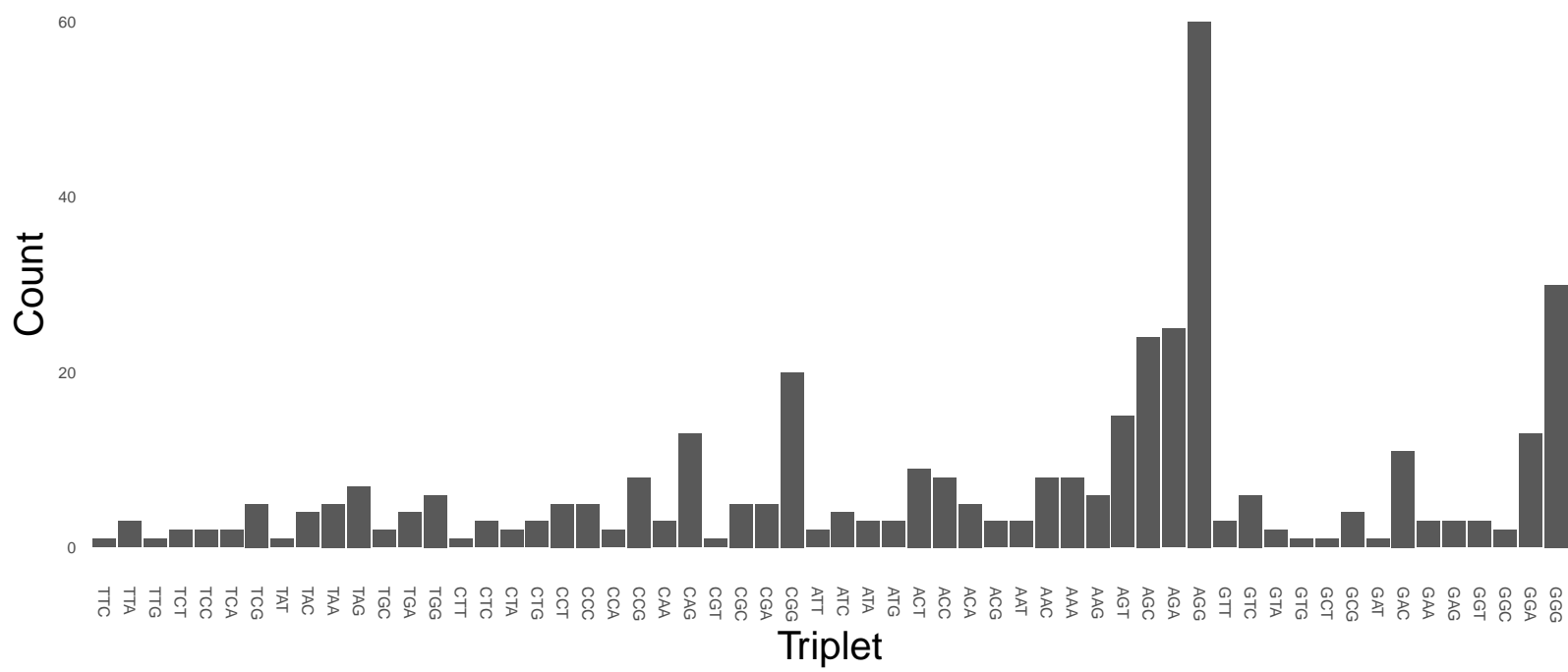
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

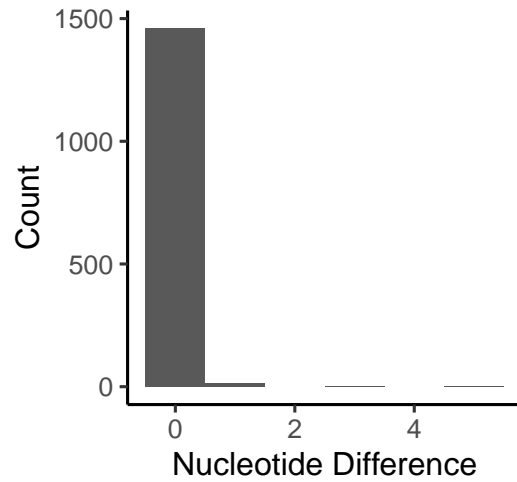


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



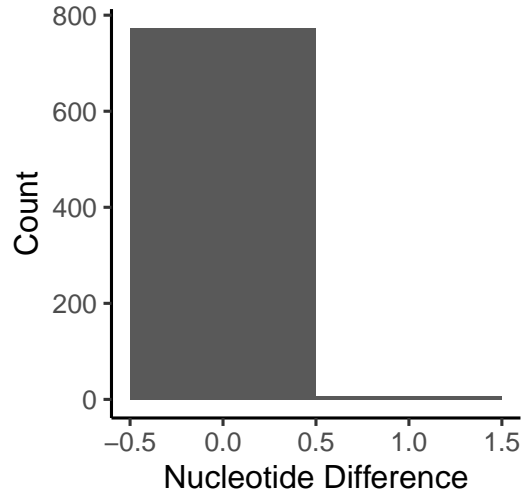
TRBV10-1*ap01

1479 sequences assigned
1460 (98.7%) exact matches, in which:
1425 unique CDR3
13 unique J



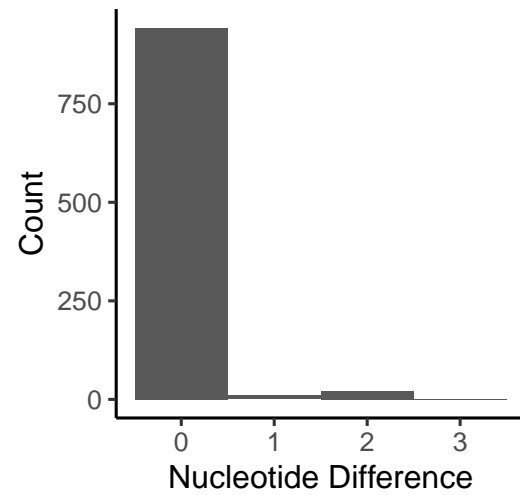
TRBV10-2*ap01

781 sequences assigned
774 (99.1%) exact matches, in which:
748 unique CDR3
13 unique J



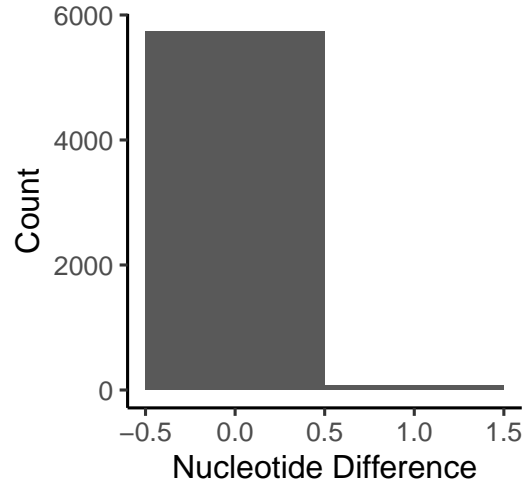
TRBV13*ap01

976 sequences assigned
943 (96.6%) exact matches, in which:
921 unique CDR3
13 unique J



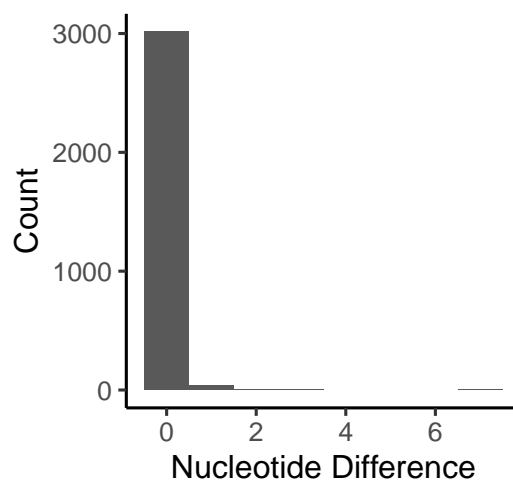
TRBV20-1*ap01

5808 sequences assigned
5732 (98.7%) exact matches, in which:
5611 unique CDR3
13 unique J



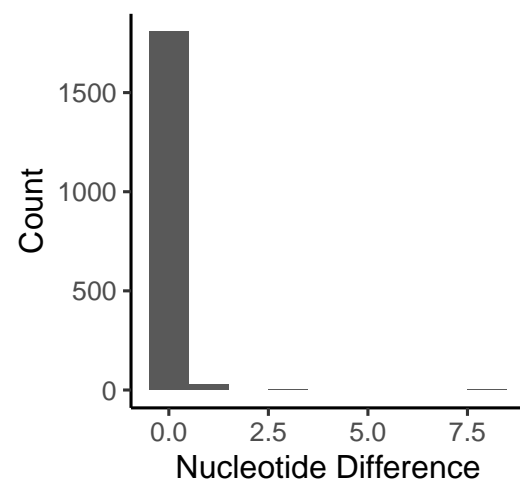
TRBV10-3*ap01

3055 sequences assigned
3015 (98.7%) exact matches, in which:
2925 unique CDR3
13 unique J



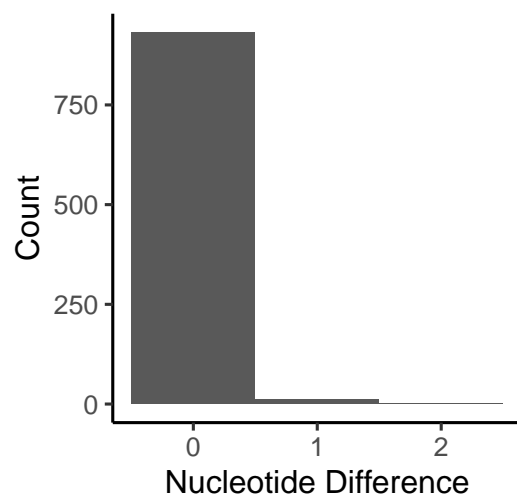
TRBV14*ap01

1837 sequences assigned
1807 (98.4%) exact matches, in which:
1765 unique CDR3
13 unique J



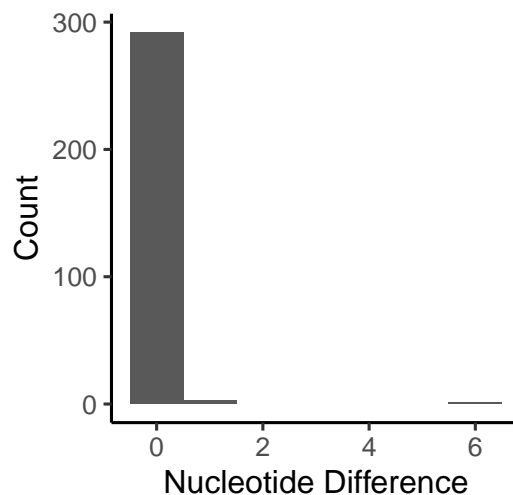
TRBV20-1*ap02

945 sequences assigned
932 (98.6%) exact matches, in which:
908 unique CDR3
13 unique J



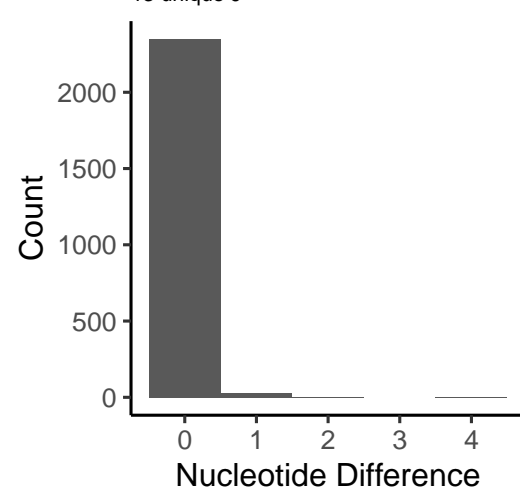
TRBV1*ap01

296 sequences assigned
292 (98.6%) exact matches, in which:
286 unique CDR3
12 unique J



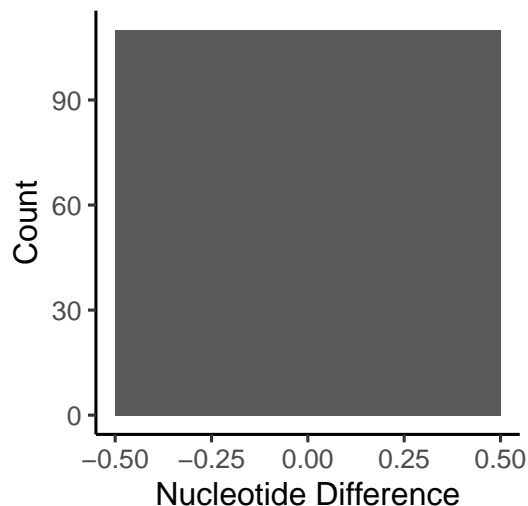
TRBV15*ap02

2379 sequences assigned
2349 (98.7%) exact matches, in which:
2282 unique CDR3
13 unique J



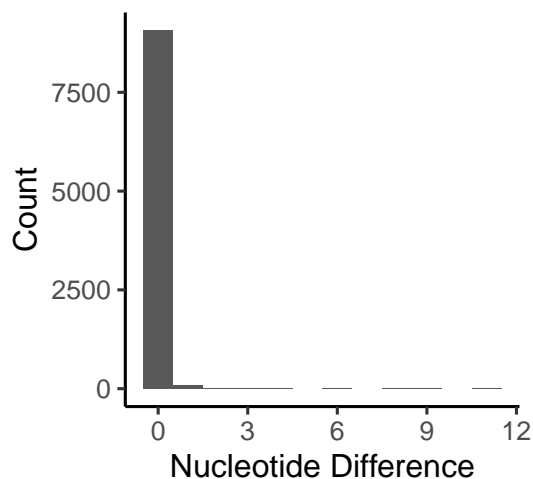
TRBV16*ap01

110 sequences assigned
110 (100%) exact matches, in which:
109 unique CDR3
13 unique J



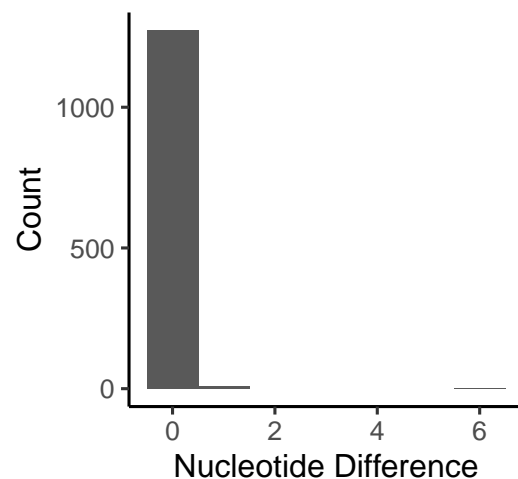
TRBV19*ap01

9158 sequences assigned
9067 (99%) exact matches, in which:
8928 unique CDR3
13 unique J



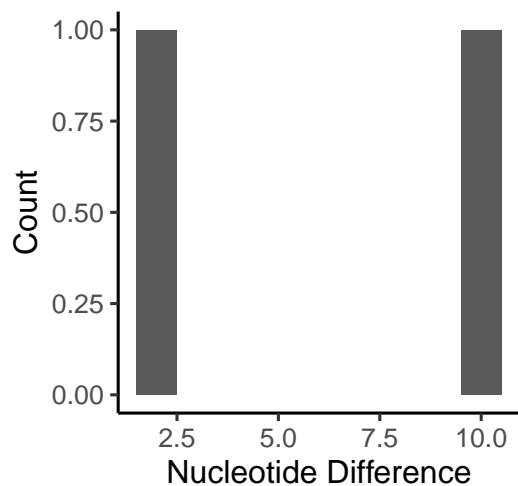
TRBV28*ap01

1283 sequences assigned
1273 (99.2%) exact matches, in which:
1248 unique CDR3
13 unique J



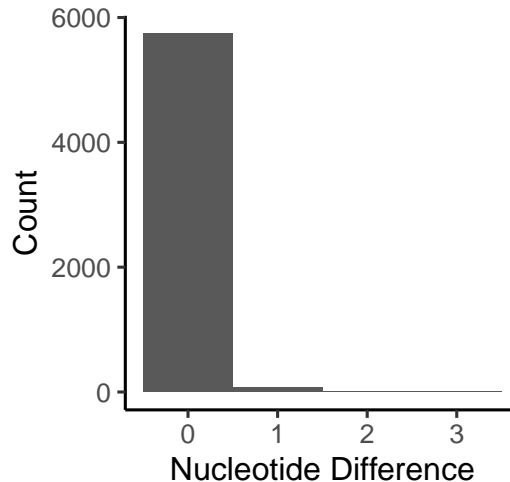
TRBV17*ap01

2 sequences assigned
No exact matches.



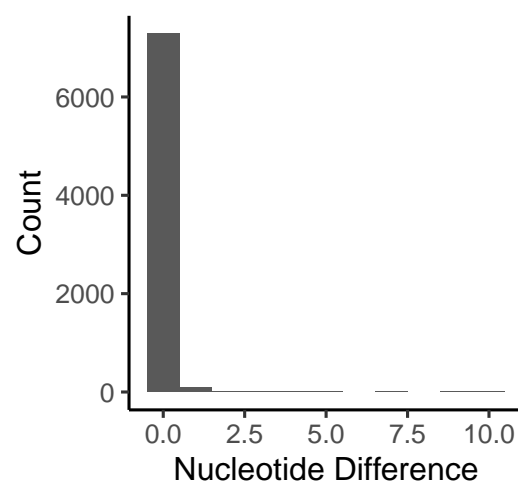
TRBV2*ap01

5825 sequences assigned
5740 (98.5%) exact matches, in which:
5617 unique CDR3
13 unique J



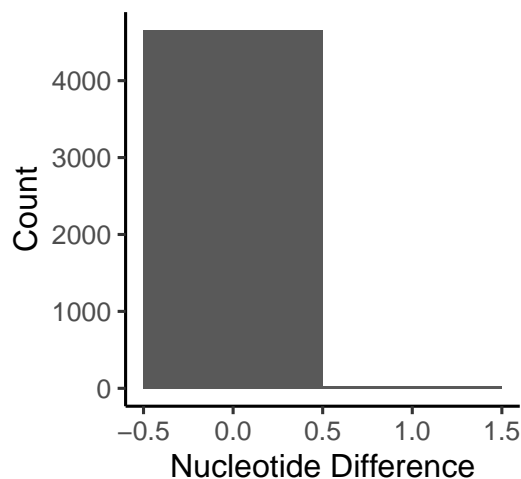
TRBV30*ap01

7399 sequences assigned
7286 (98.5%) exact matches, in which:
7189 unique CDR3
13 unique J



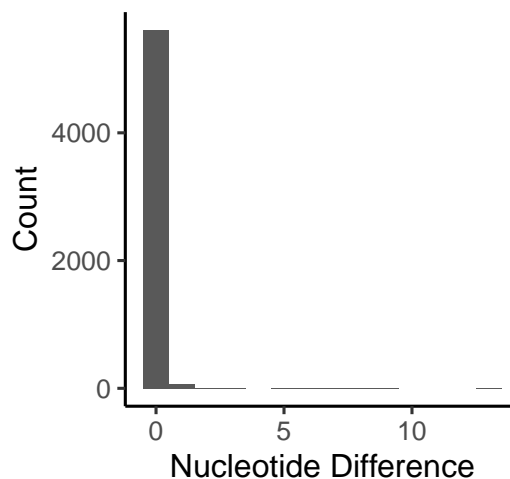
TRBV18*ap01

4690 sequences assigned
4658 (99.3%) exact matches, in which:
4582 unique CDR3
13 unique J



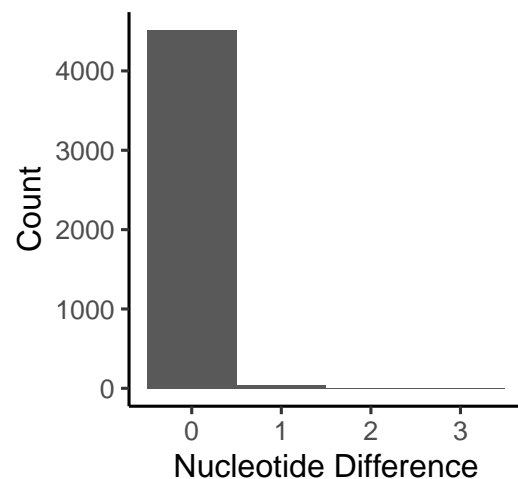
TRBV27*ap01

5689 sequences assigned
5609 (98.6%) exact matches, in which:
5466 unique CDR3
13 unique J



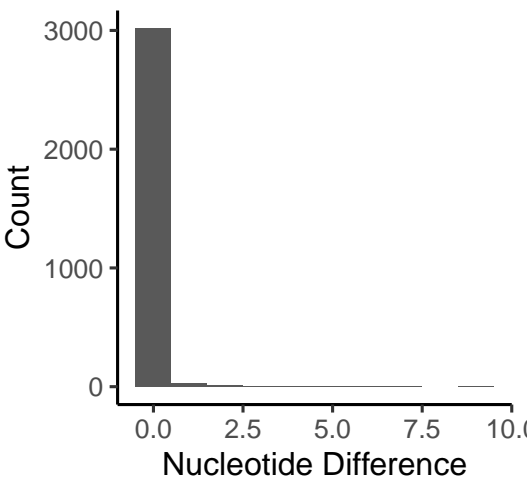
TRBV9*ap01

4558 sequences assigned
4515 (99.1%) exact matches, in which:
4423 unique CDR3
13 unique J



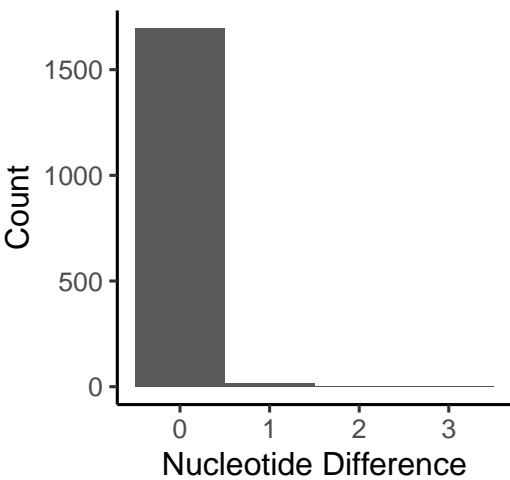
TRBV21-1*ap01

3071 sequences assigned
3017 (98.2%) exact matches, in which:
2952 unique CDR3
13 unique J



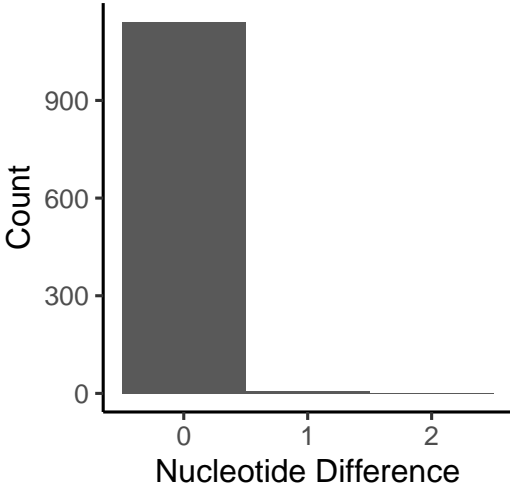
TRBV11-3*ap01

1713 sequences assigned
1695 (98.9%) exact matches, in which:
1663 unique CDR3
13 unique J



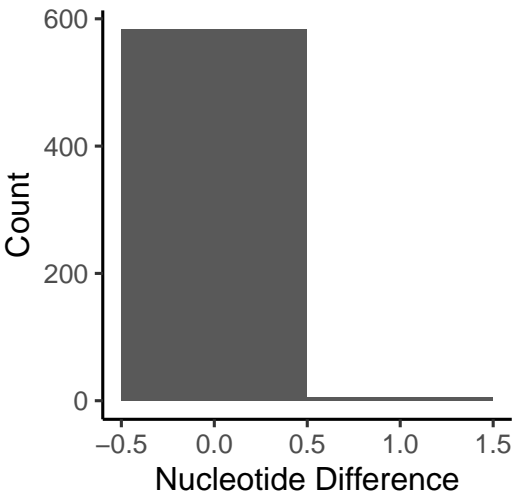
TRBV12-5*ap01

1151 sequences assigned
1142 (99.2%) exact matches, in which:
1111 unique CDR3
13 unique J



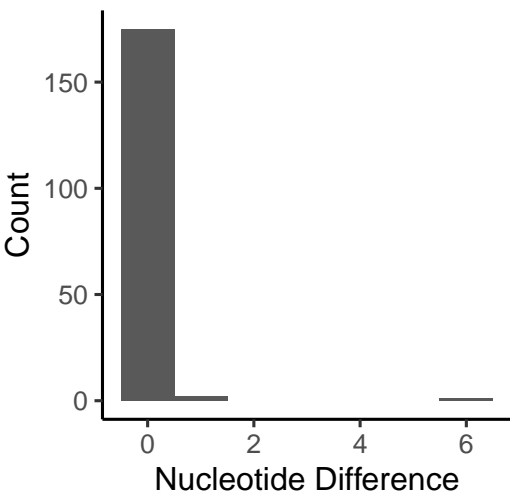
TRBV11-1*ap01

589 sequences assigned
584 (99.2%) exact matches, in which:
568 unique CDR3
13 unique J



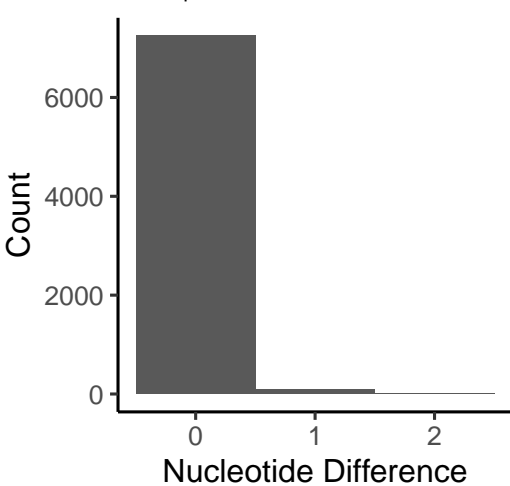
TRBV12-1*ap01

178 sequences assigned
175 (98.3%) exact matches, in which:
171 unique CDR3
13 unique J



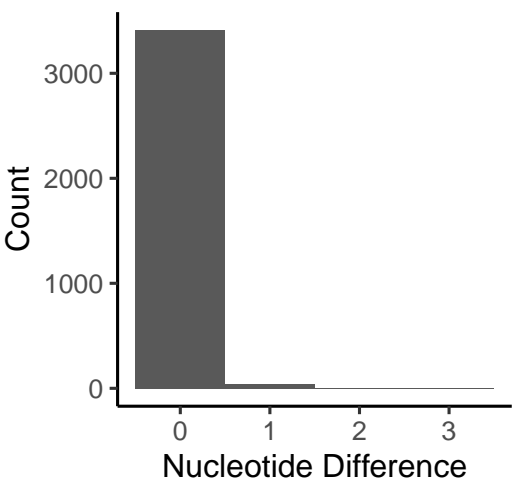
TRBV12-34*ap01

7336 sequences assigned
7249 (98.8%) exact matches, in which:
7104 unique CDR3
13 unique J



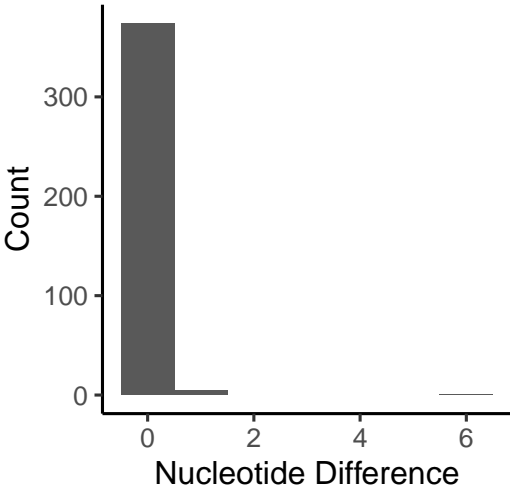
TRBV11-2*ap01

3459 sequences assigned
3412 (98.6%) exact matches, in which:
3330 unique CDR3
13 unique J



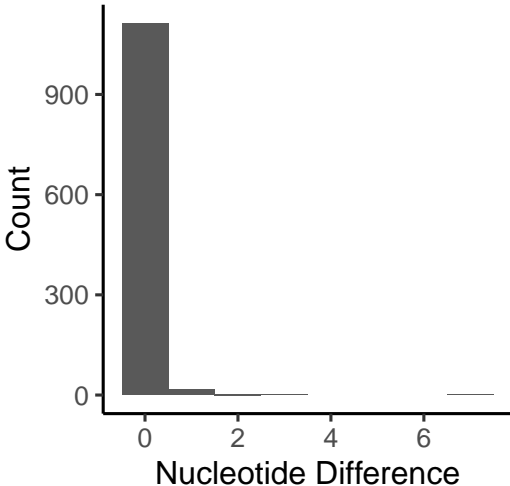
TRBV12-2*ap01

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



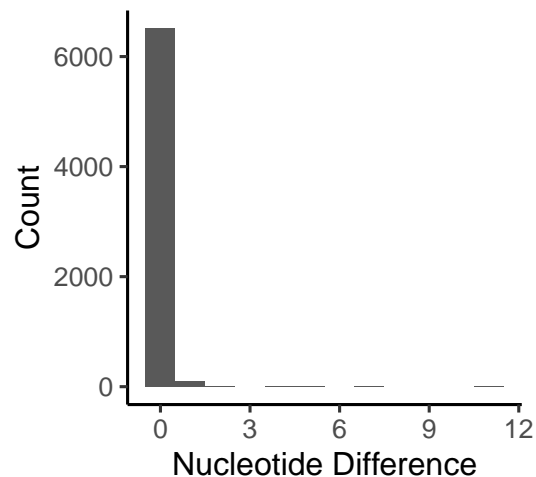
TRBV23-1*ap01

1137 sequences assigned
1113 (97.9%) exact matches, in which:
1090 unique CDR3
13 unique J



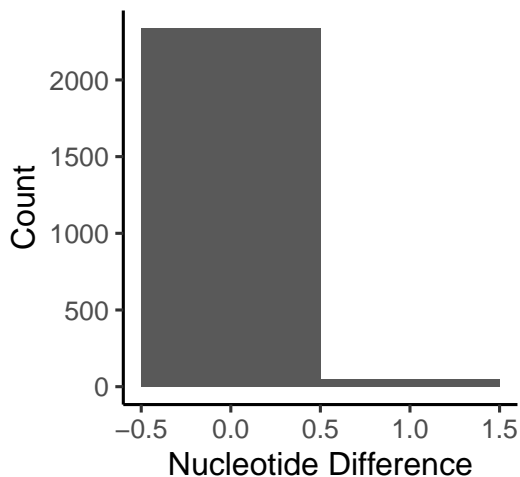
TRBV3-12*ap01

6617 sequences assigned
6512 (98.4%) exact matches, in which:
6369 unique CDR3
13 unique J



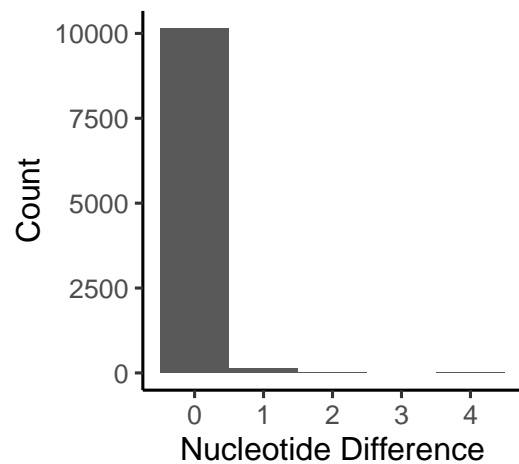
TRBV4-2*ap01

2385 sequences assigned
2336 (97.9%) exact matches, in which:
2279 unique CDR3
13 unique J



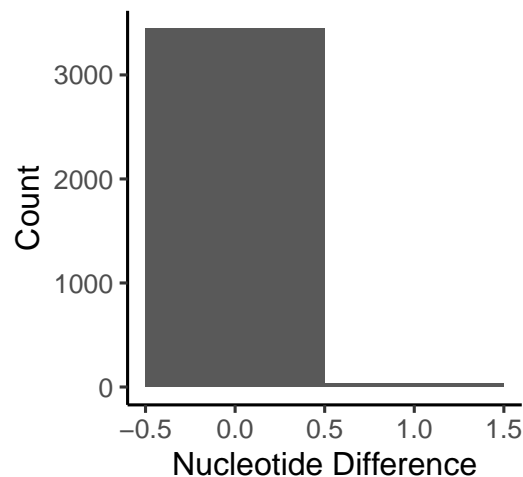
TRBV5-1*ap01

10285 sequences assigned
10155 (98.7%) exact matches, in which:
9880 unique CDR3
13 unique J



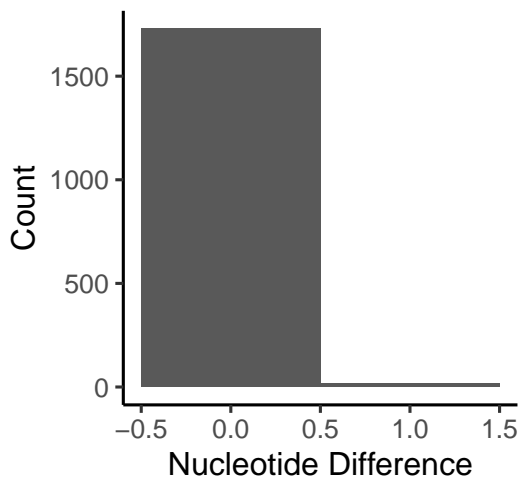
TRBV4-1*ap01

3481 sequences assigned
3444 (98.9%) exact matches, in which:
3378 unique CDR3
13 unique J



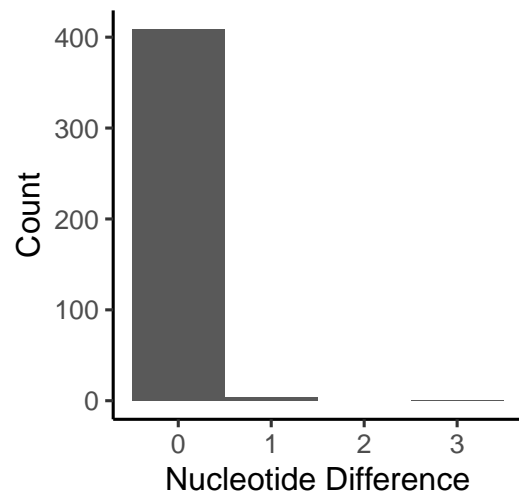
TRBV4-3*ap01

1748 sequences assigned
1729 (98.9%) exact matches, in which:
1692 unique CDR3
13 unique J



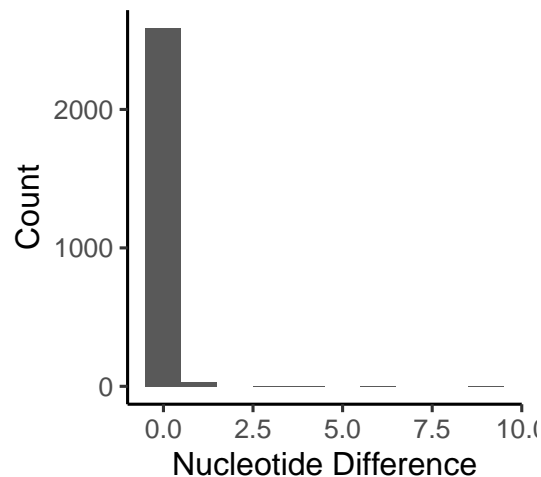
TRBV5-3*ap01

414 sequences assigned
409 (98.8%) exact matches, in which:
397 unique CDR3
13 unique J



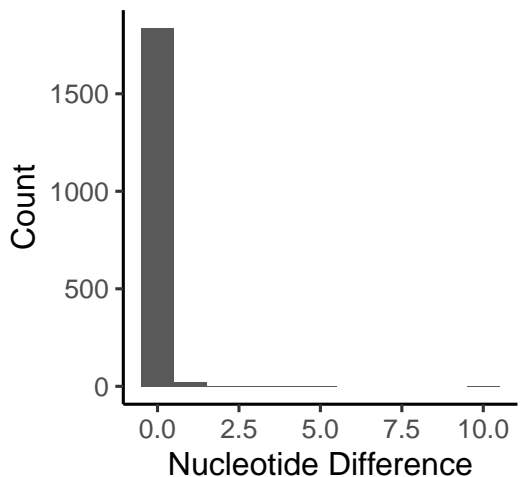
TRBV24-1*ap01

2628 sequences assigned
2588 (98.5%) exact matches, in which:
2552 unique CDR3
13 unique J



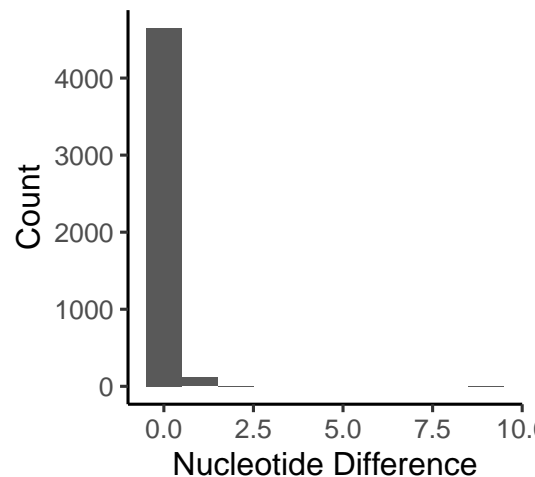
TRBV25-1*ap01

1868 sequences assigned
1837 (98.3%) exact matches, in which:
1802 unique CDR3
13 unique J



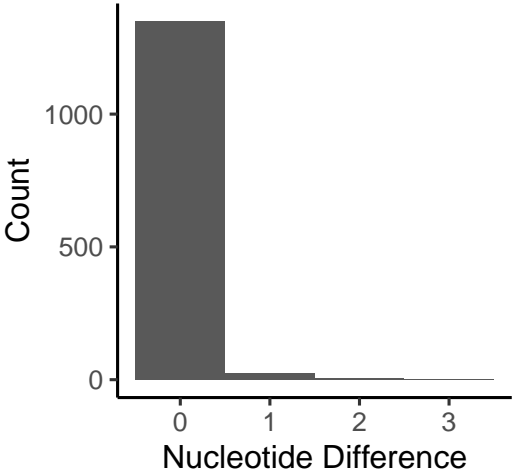
TRBV5-4*ap01

4767 sequences assigned
4649 (97.5%) exact matches, in which:
4533 unique CDR3
13 unique J



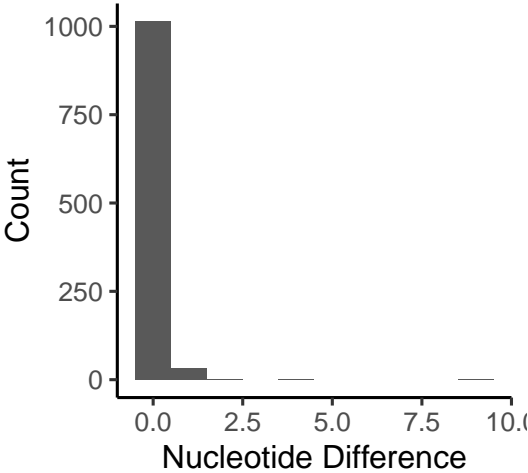
TRBV5-5*ap01

1379 sequences assigned
1349 (97.8%) exact matches, in which:
1325 unique CDR3
13 unique J



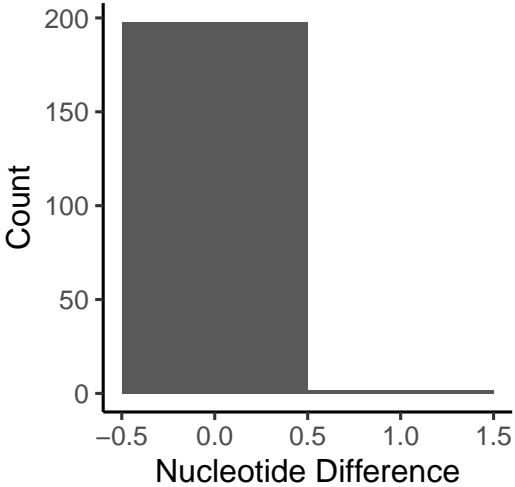
TRBV5-8*ap01

1052 sequences assigned
1014 (96.4%) exact matches, in which:
994 unique CDR3
13 unique J



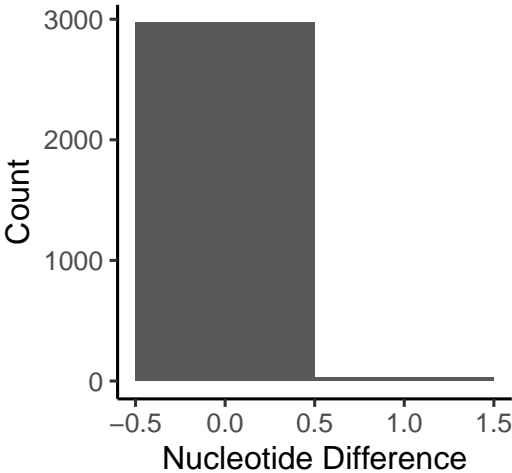
TRBV6-7*ap01

200 sequences assigned
198 (99%) exact matches, in which:
194 unique CDR3
13 unique J



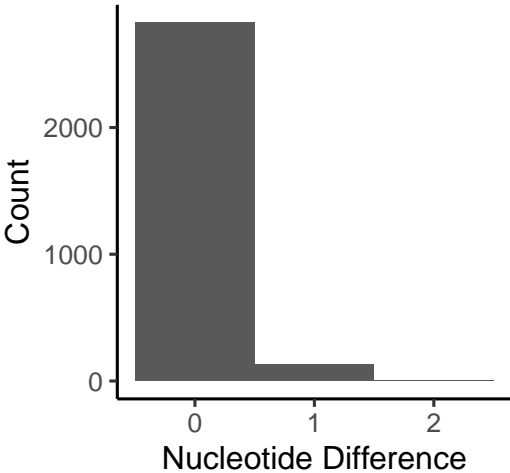
TRBV5-6*ap01

3000 sequences assigned
2971 (99%) exact matches, in which:
2887 unique CDR3
13 unique J



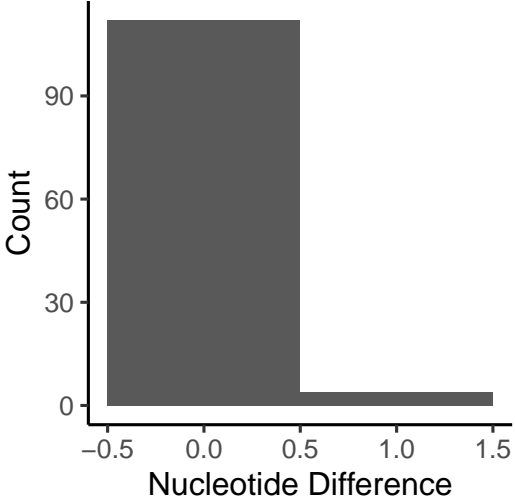
TRBV6-1*ap01

2961 sequences assigned
2827 (95.5%) exact matches, in which:
2763 unique CDR3
13 unique J



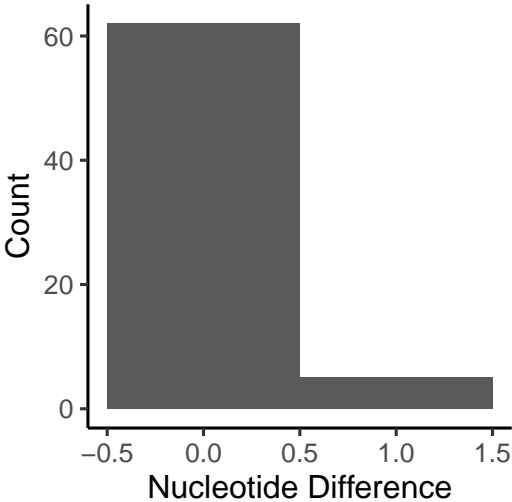
TRBV6-8*ap01

116 sequences assigned
112 (96.6%) exact matches, in which:
110 unique CDR3
13 unique J



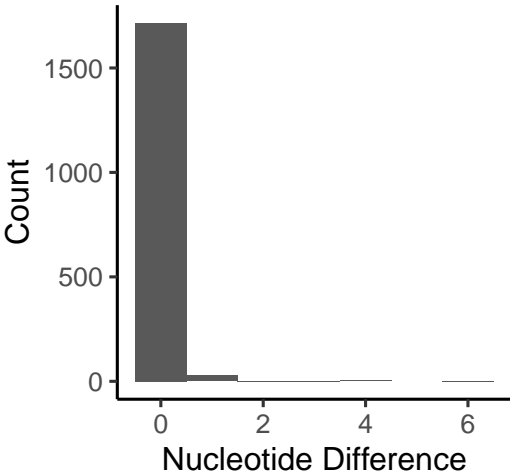
TRBV5-7*ap01

67 sequences assigned
62 (92.5%) exact matches, in which:
62 unique CDR3
13 unique J



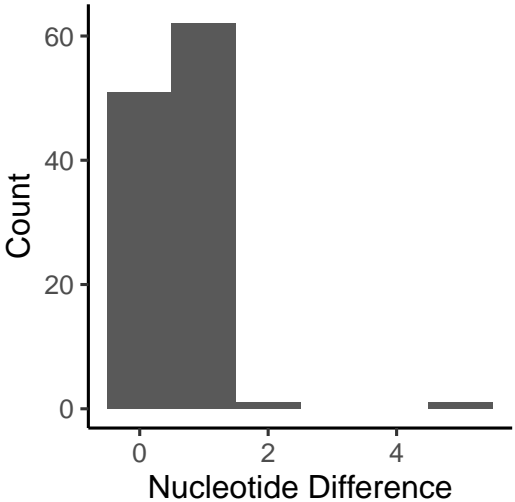
TRBV6-4*ap01

1751 sequences assigned
1715 (97.9%) exact matches, in which:
1670 unique CDR3
13 unique J



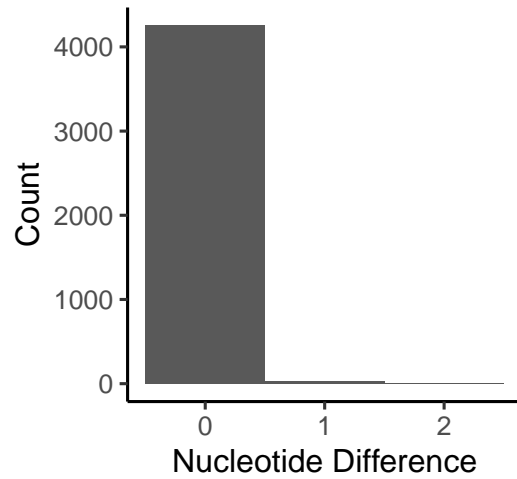
TRBV6-9*ap01

115 sequences assigned
51 (44.3%) exact matches, in which:
50 unique CDR3
10 unique J



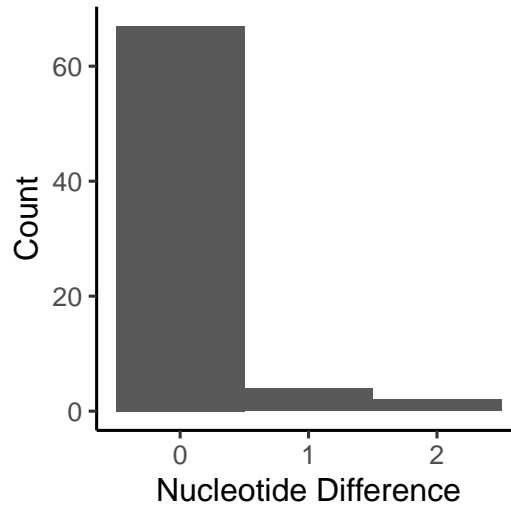
TRBV6-23*ap01

4286 sequences assigned
4255 (99.3%) exact matches, in which:
4169 unique CDR3
13 unique J



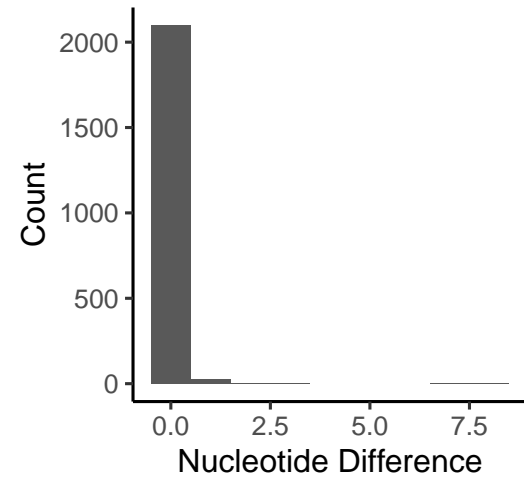
TRBV7-1*ap01_G291C_T

73 sequences assigned
67 (91.8%) exact matches, in which:
61 unique CDR3
10 unique J



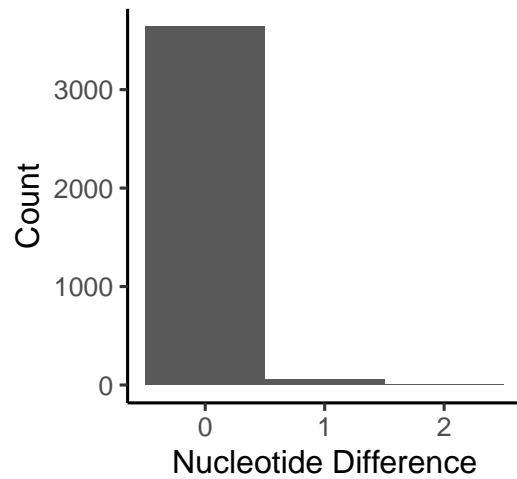
TRBV7-3*ap01

2130 sequences assigned
2098 (98.5%) exact matches, in which:
2057 unique CDR3
13 unique J



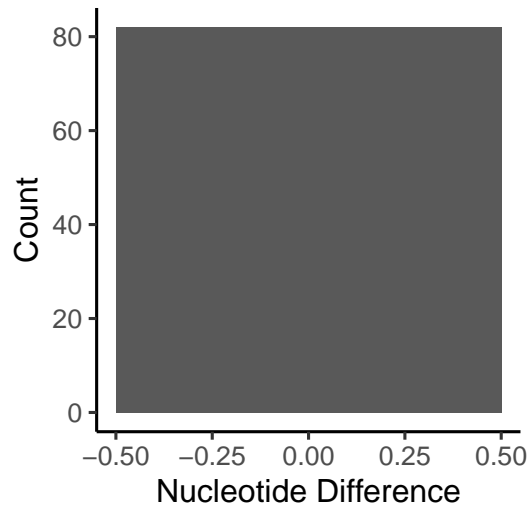
TRBV6-56*ap01

3693 sequences assigned
3639 (98.5%) exact matches, in which:
3572 unique CDR3
13 unique J



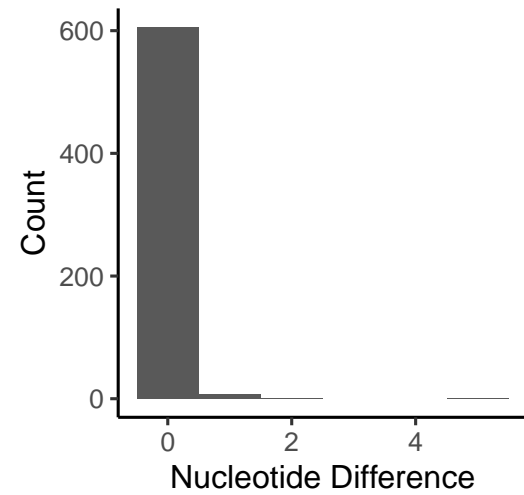
TRBV7-1*ap01_G291C_T

82 sequences assigned
82 (100%) exact matches, in which:
81 unique CDR3
11 unique J



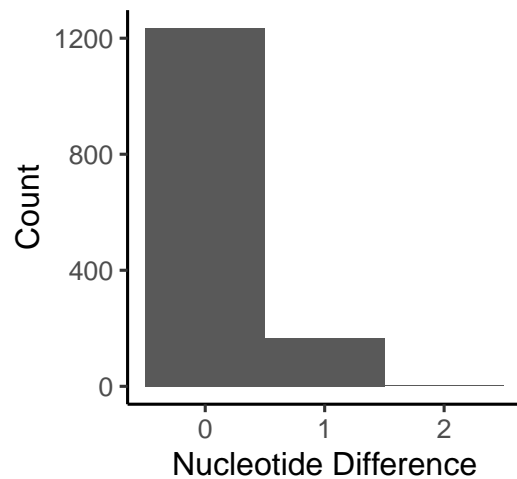
TRBV7-3*ap03

616 sequences assigned
606 (98.4%) exact matches, in which:
586 unique CDR3
13 unique J



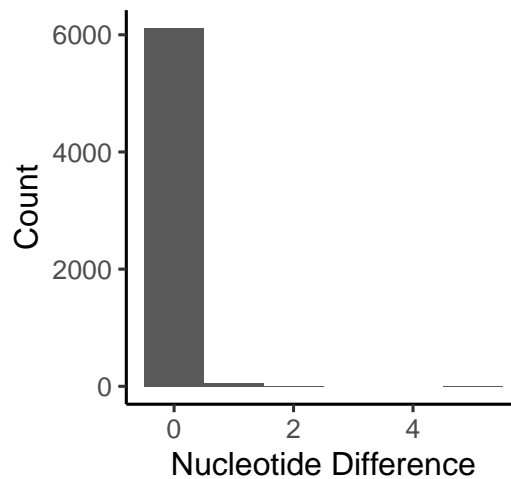
TRBV6-56*ap02

1404 sequences assigned
1235 (88%) exact matches, in which:
1210 unique CDR3
13 unique J



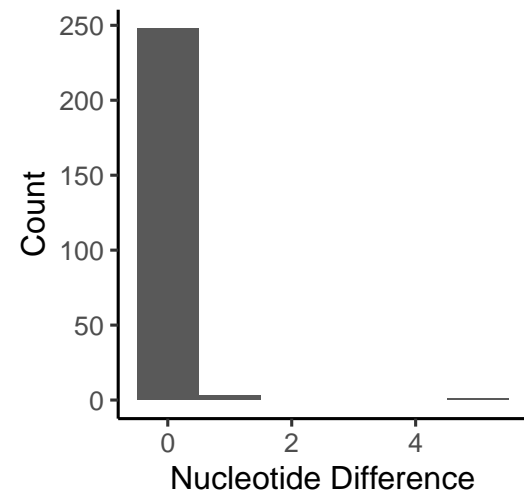
TRBV7-2*ap01

6176 sequences assigned
6115 (99%) exact matches, in which:
5980 unique CDR3
13 unique J



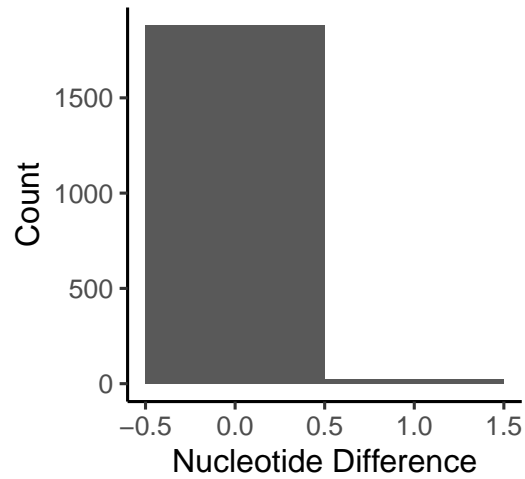
TRBV7-4*ap01

252 sequences assigned
248 (98.4%) exact matches, in which:
244 unique CDR3
13 unique J



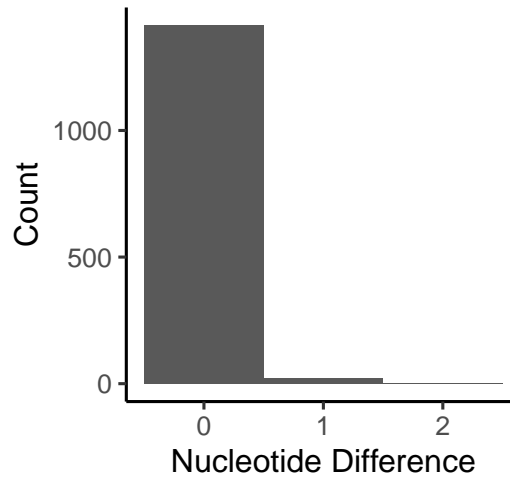
TRBV7-6*ap01

1903 sequences assigned
1880 (98.8%) exact matches, in which:
1835 unique CDR3
13 unique J



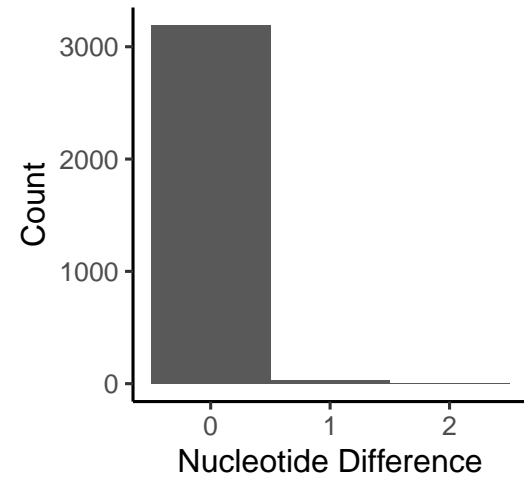
TRBV7-8*ap01

1436 sequences assigned
1415 (98.5%) exact matches, in which:
1372 unique CDR3
13 unique J



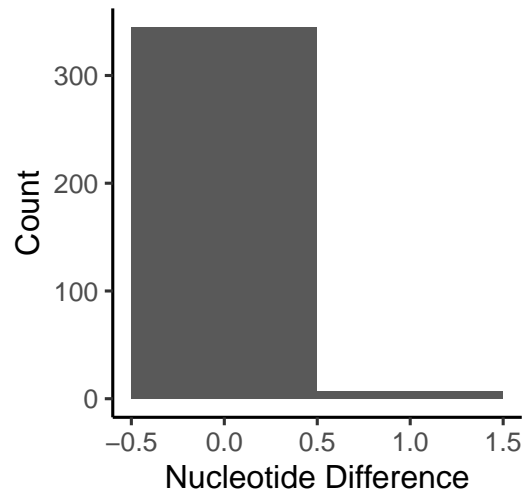
TRBV29-1*ap01

3223 sequences assigned
3190 (99%) exact matches, in which:
3130 unique CDR3
13 unique J



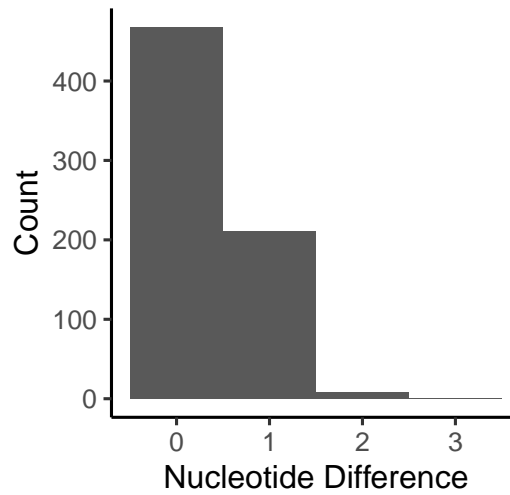
TRBV7-7*ap01

352 sequences assigned
345 (98%) exact matches, in which:
337 unique CDR3
13 unique J



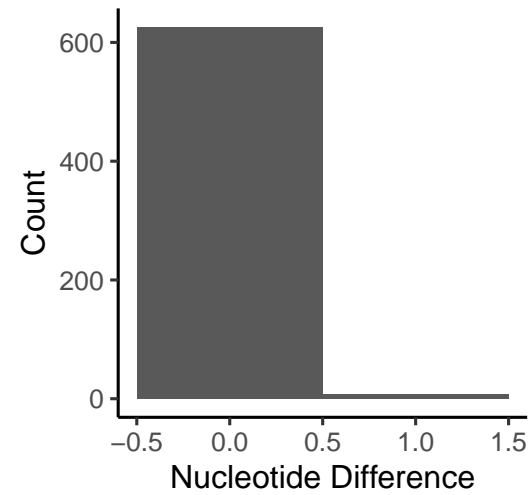
TRBV7-8*ap03

688 sequences assigned
468 (68%) exact matches, in which:
459 unique CDR3
13 unique J



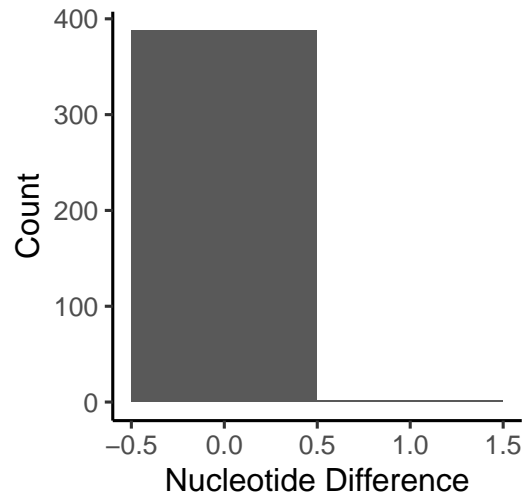
TRBV29-1*ap02

633 sequences assigned
626 (98.9%) exact matches, in which:
617 unique CDR3
13 unique J



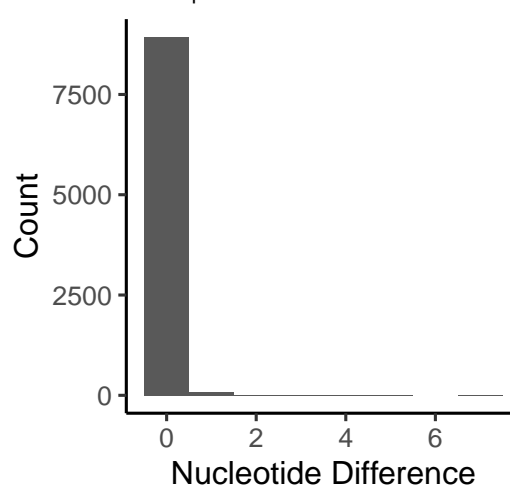
TRBV7-7*ap01_C315T

390 sequences assigned
388 (99.5%) exact matches, in which:
381 unique CDR3
13 unique J

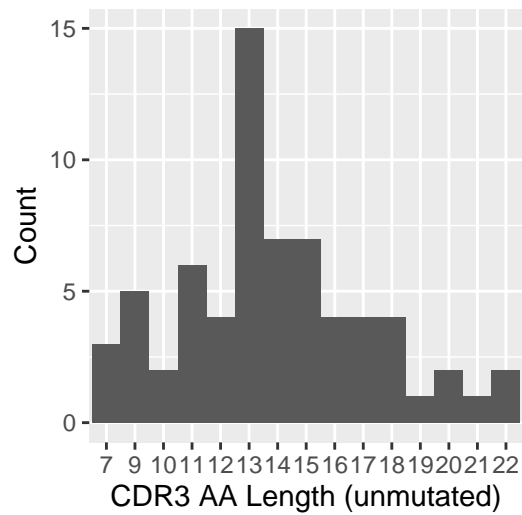


TRBV7-9*ap01

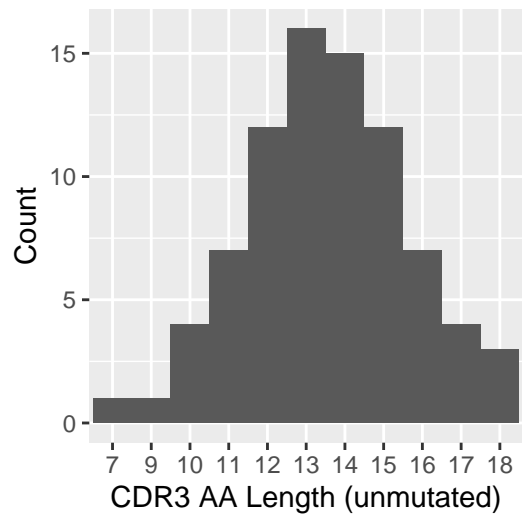
9024 sequences assigned
8931 (99%) exact matches, in which:
8783 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

