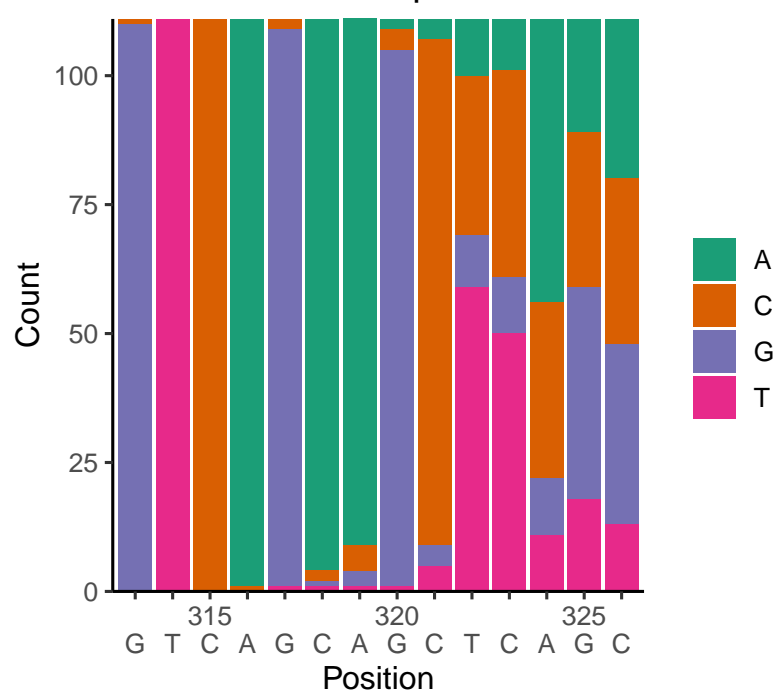
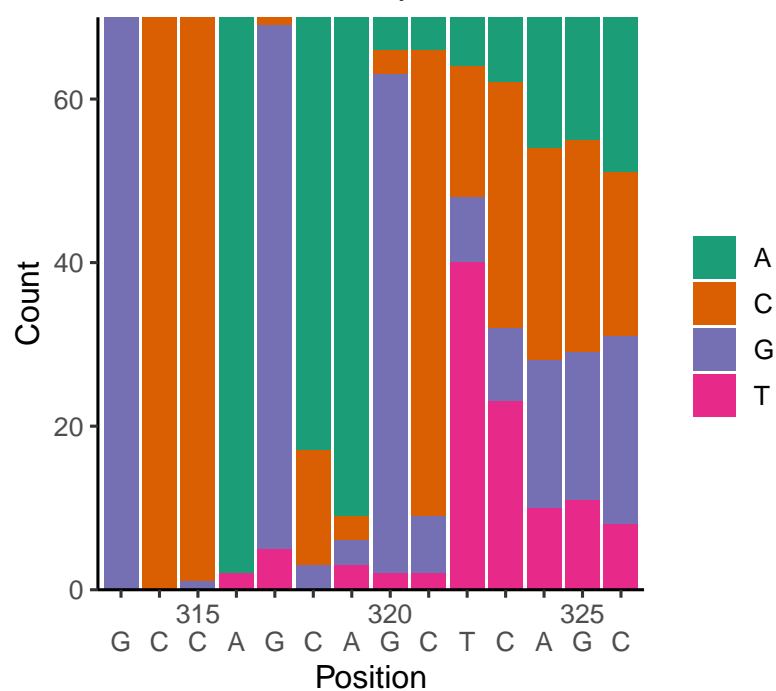


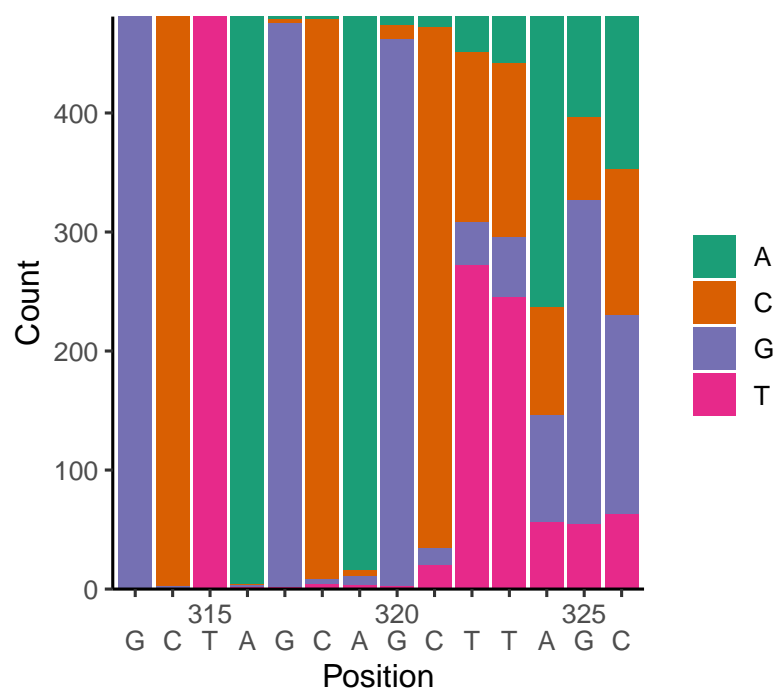
Gene TRBV7-1*ap01_T296C_C314T



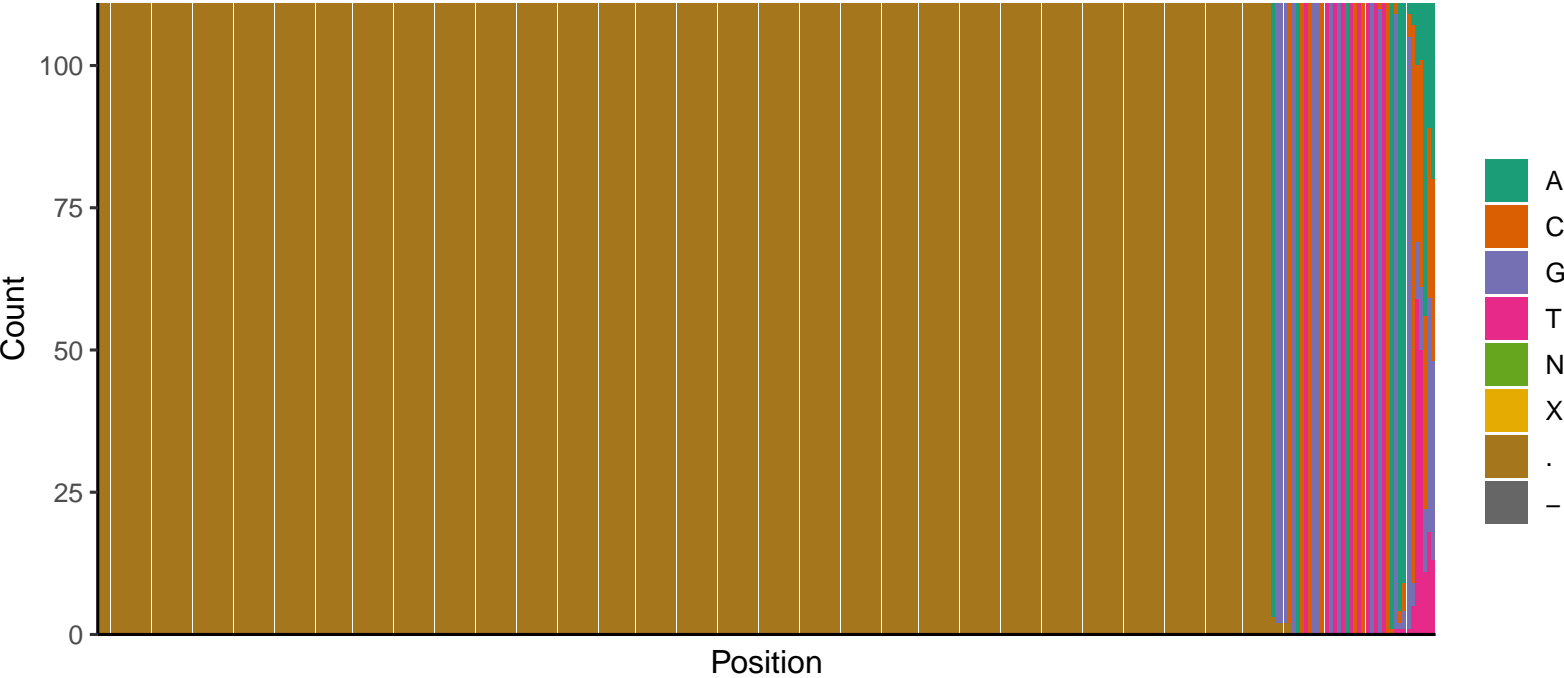
Gene TRBV7-1*ap01_T296C



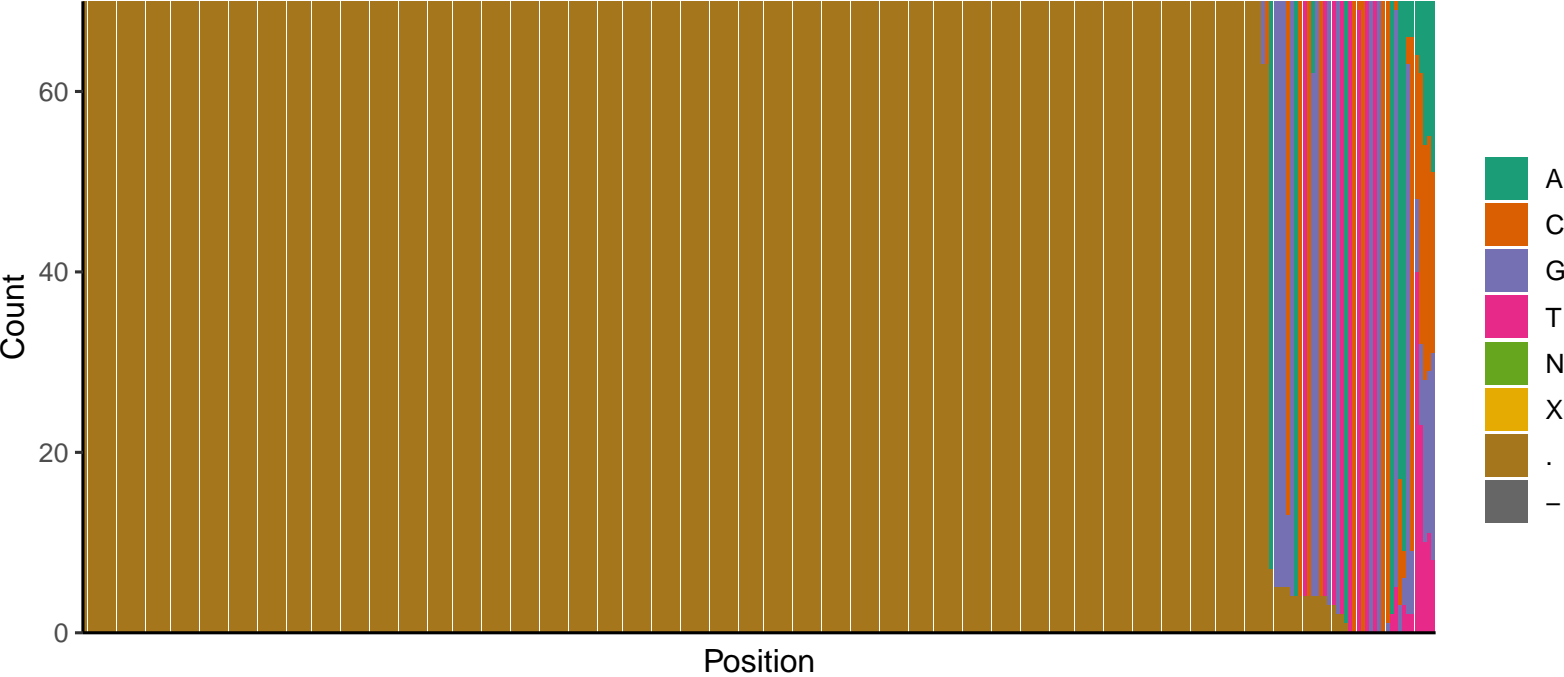
Gene TRBV7-7*ap01_C315T



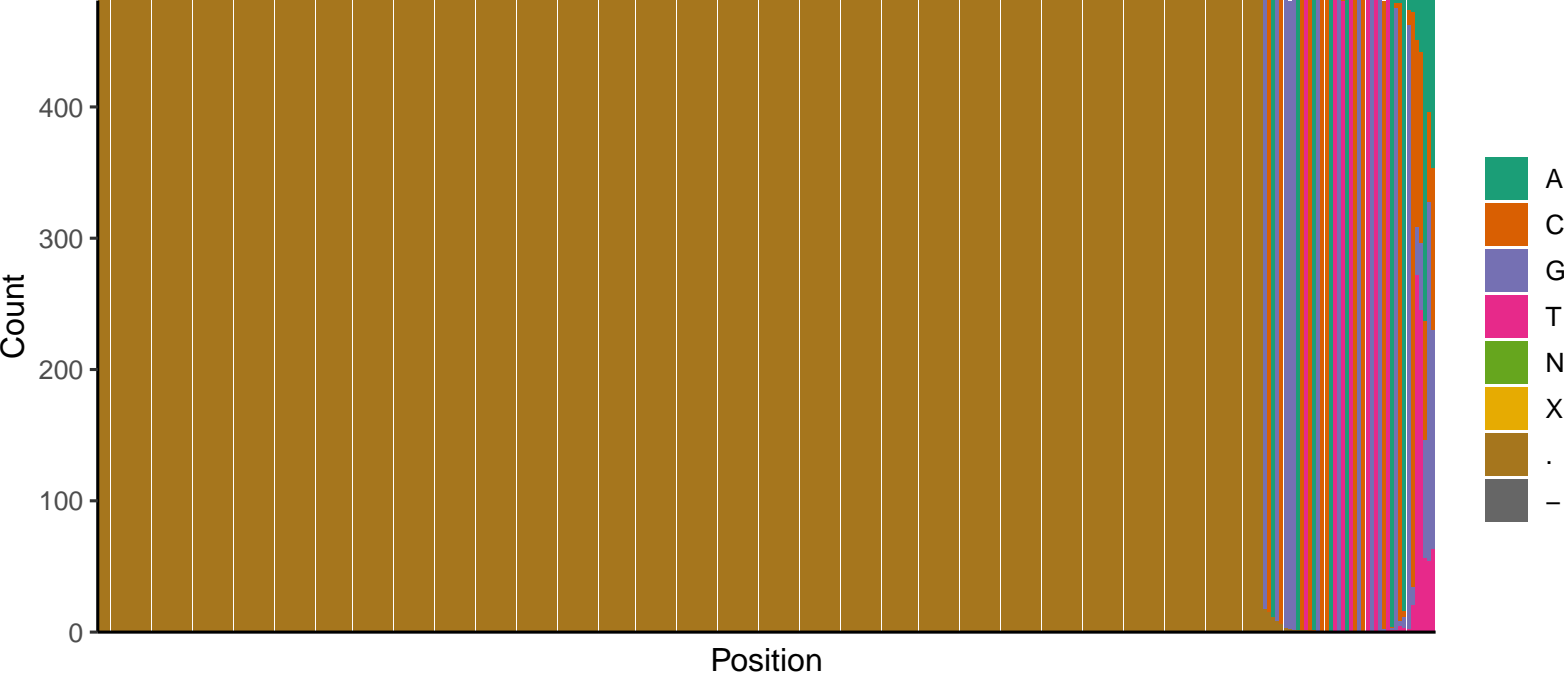
Gene TRBV7-1*ap01_T296C_C314T



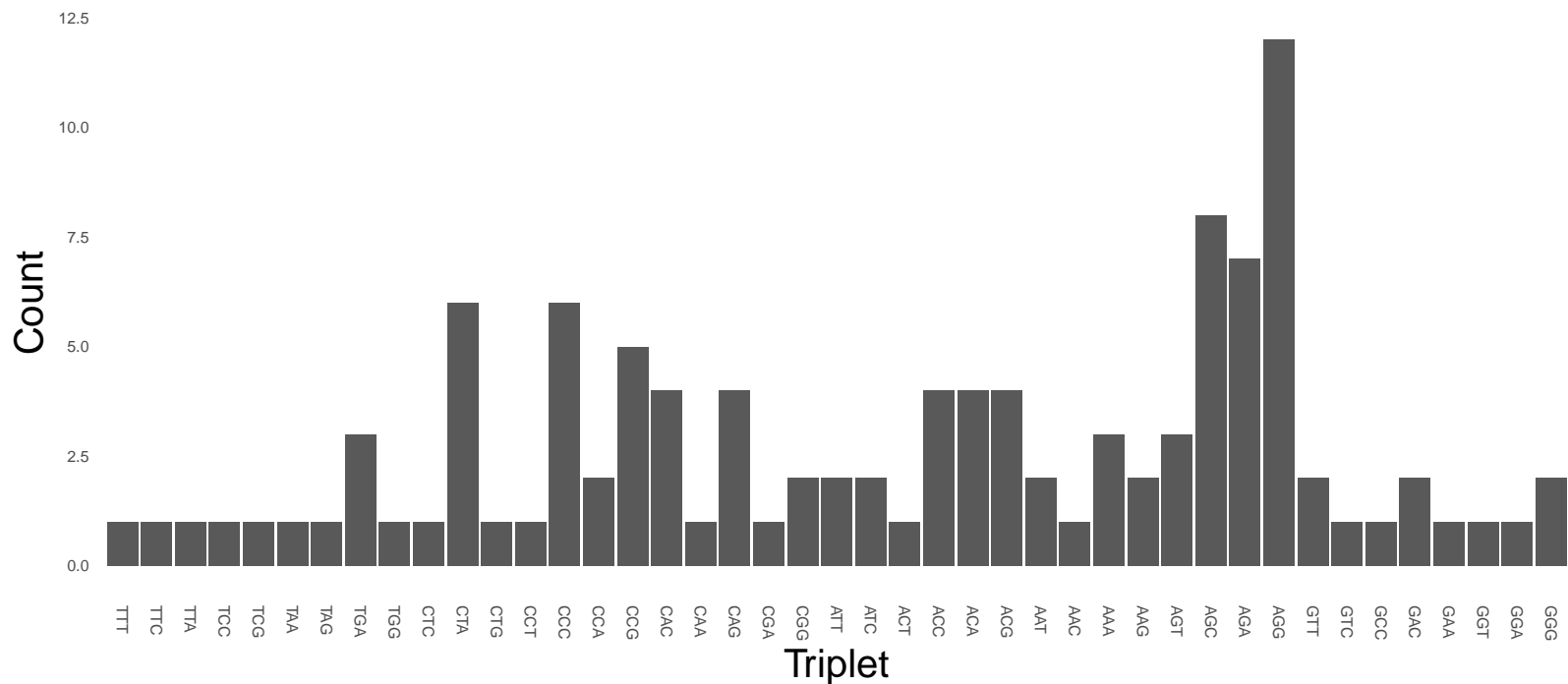
Gene TRBV7-1*ap01_T296C



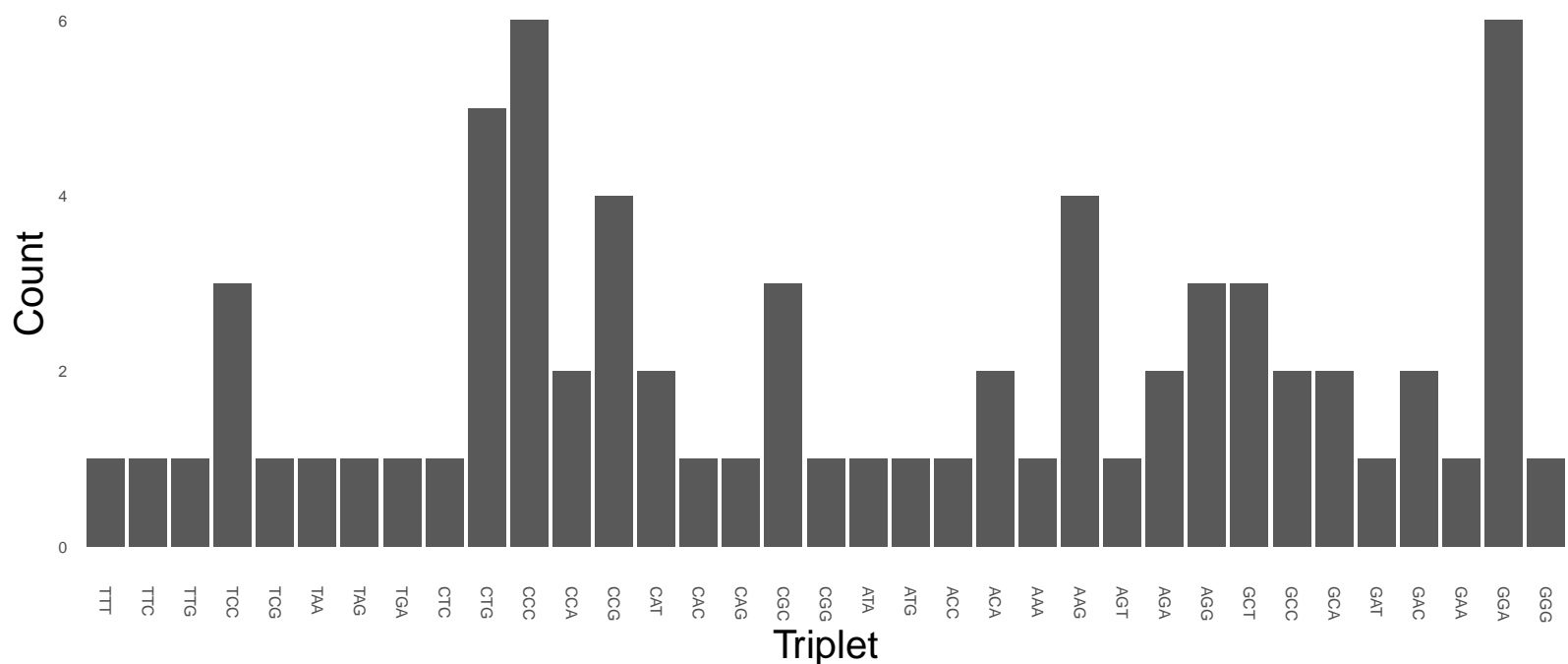
Gene TRBV7-7*ap01_C315T



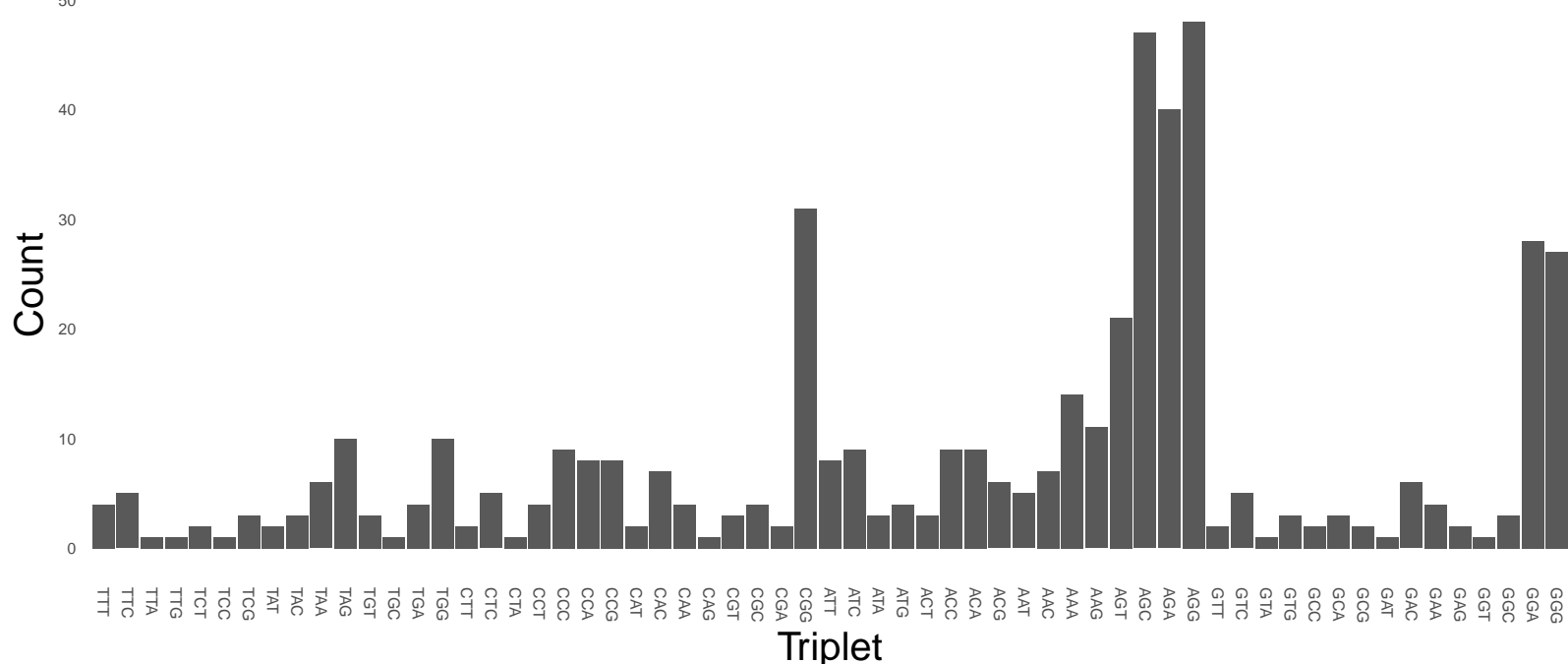
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

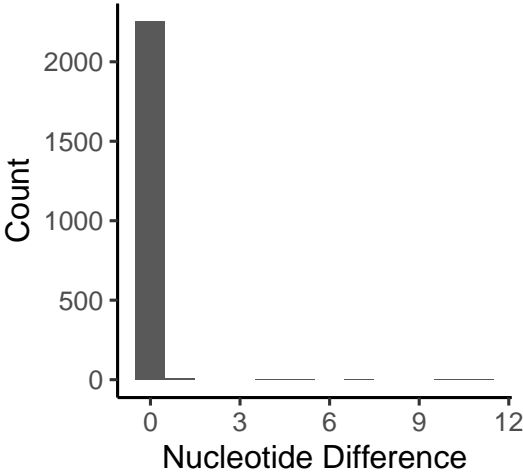


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



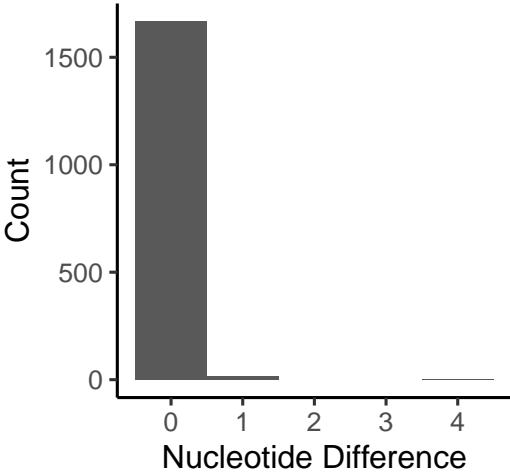
TRBV10-1*ap01

2272 sequences assigned
2254 (99.2%) exact matches, in which:
2206 unique CDR3
13 unique J



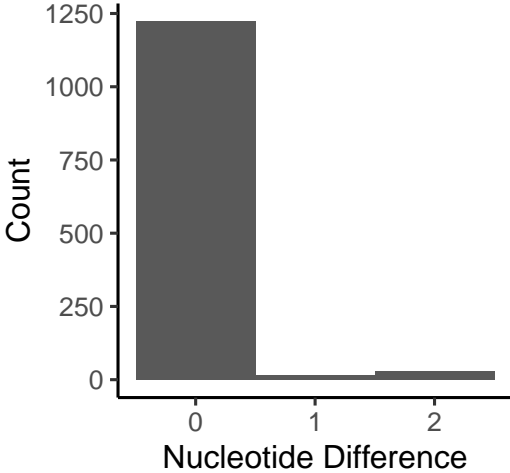
TRBV10-2*ap01

1686 sequences assigned
1667 (98.9%) exact matches, in which:
1621 unique CDR3
13 unique J



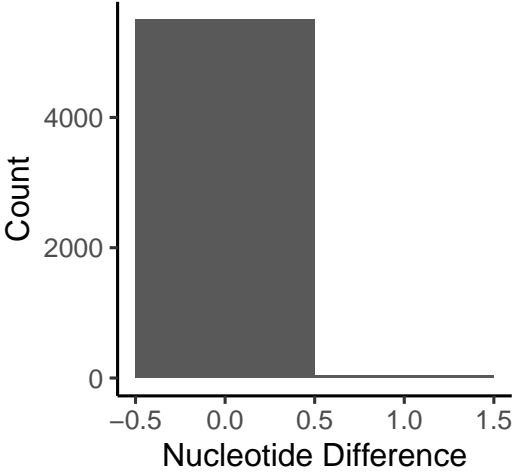
TRBV13*ap01

1266 sequences assigned
1223 (96.6%) exact matches, in which:
1180 unique CDR3
13 unique J



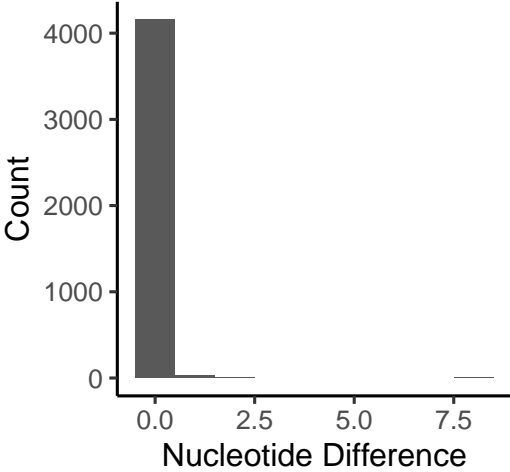
TRBV20-1*ap01

5534 sequences assigned
5500 (99.4%) exact matches, in which:
5449 unique CDR3
13 unique J



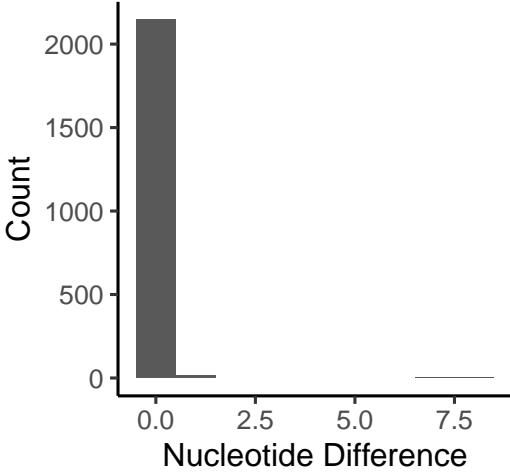
TRBV10-3*ap01

4184 sequences assigned
4156 (99.3%) exact matches, in which:
4076 unique CDR3
13 unique J



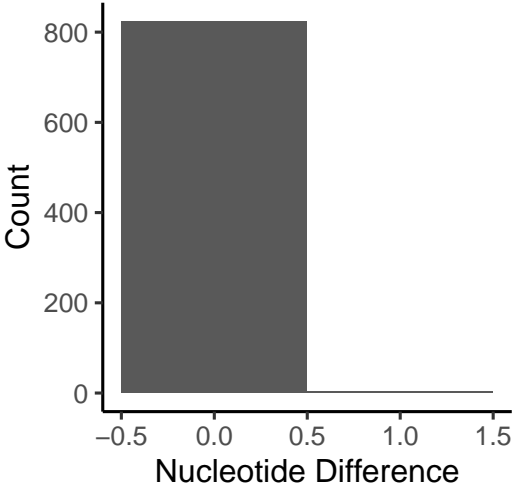
TRBV14*ap01

2164 sequences assigned
2146 (99.2%) exact matches, in which:
2109 unique CDR3
13 unique J



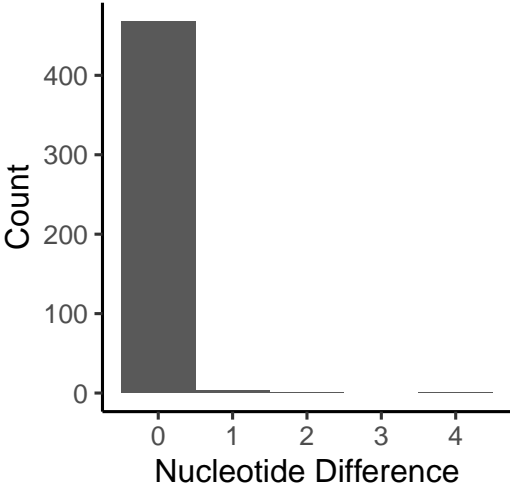
TRBV20-1*ap02

827 sequences assigned
824 (99.6%) exact matches, in which:
816 unique CDR3
13 unique J



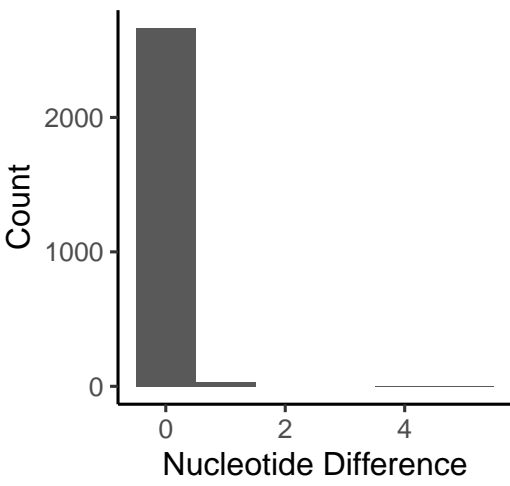
TRBV1*ap01

473 sequences assigned
468 (98.9%) exact matches, in which:
455 unique CDR3
13 unique J



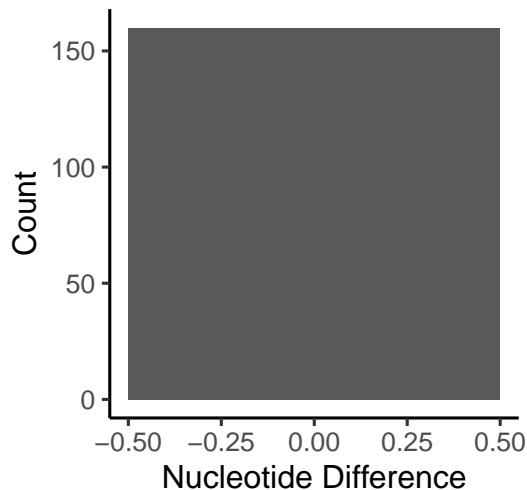
TRBV15*ap02

2698 sequences assigned
2665 (98.8%) exact matches, in which:
2600 unique CDR3
13 unique J



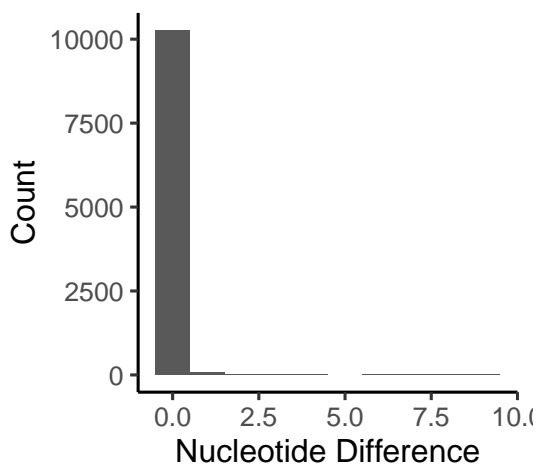
TRBV16*ap01

160 sequences assigned
160 (100%) exact matches, in which:
157 unique CDR3
13 unique J



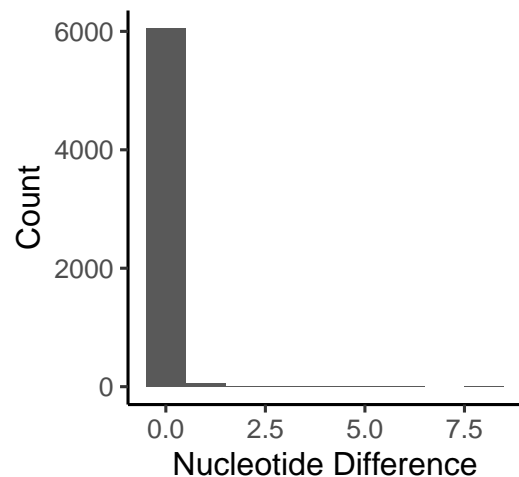
TRBV19*ap01

10354 sequences assigned
10269 (99.2%) exact matches, in which:
10212 unique CDR3
13 unique J



TRBV27*ap01

6114 sequences assigned
6050 (99%) exact matches, in which:
5964 unique CDR3
13 unique J



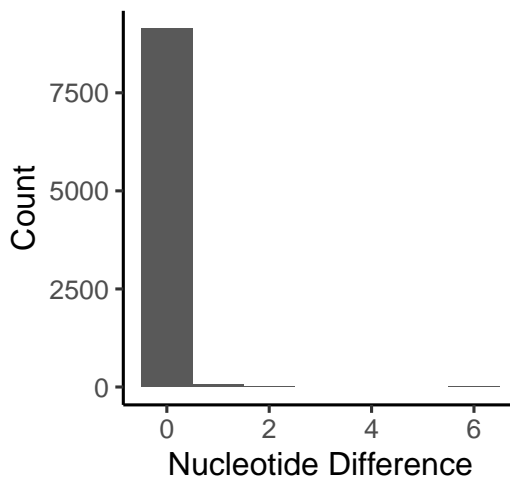
TRBV17*ap01

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



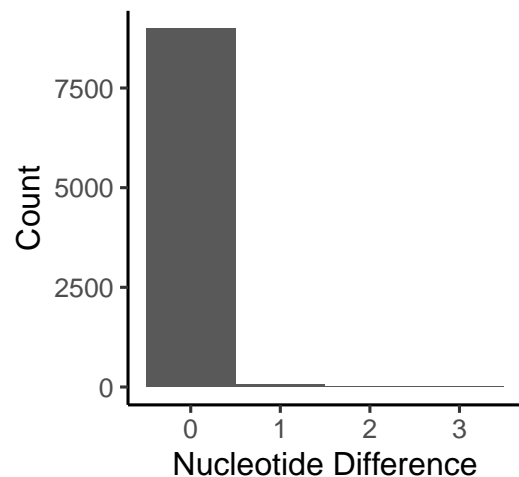
TRBV2*ap01

9198 sequences assigned
9134 (99.3%) exact matches, in which:
8972 unique CDR3
13 unique J



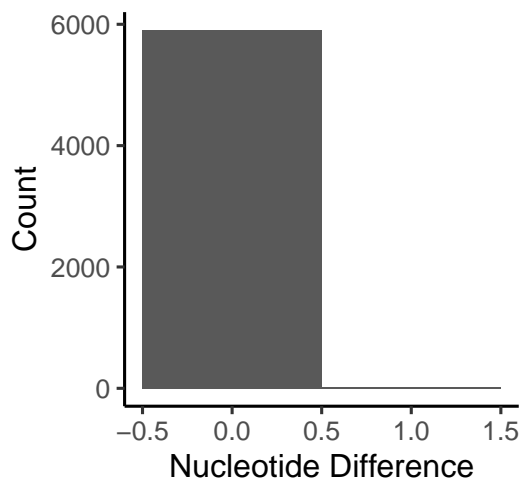
TRBV28*ap01

9045 sequences assigned
8987 (99.4%) exact matches, in which:
8895 unique CDR3
13 unique J



TRBV18*ap01

5922 sequences assigned
5905 (99.7%) exact matches, in which:
5841 unique CDR3
13 unique J



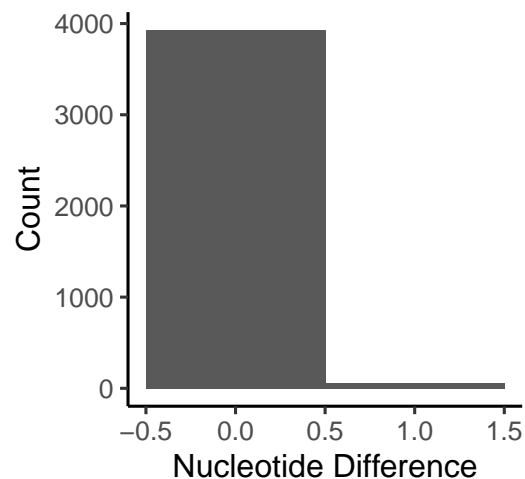
TRBV26*ap01

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



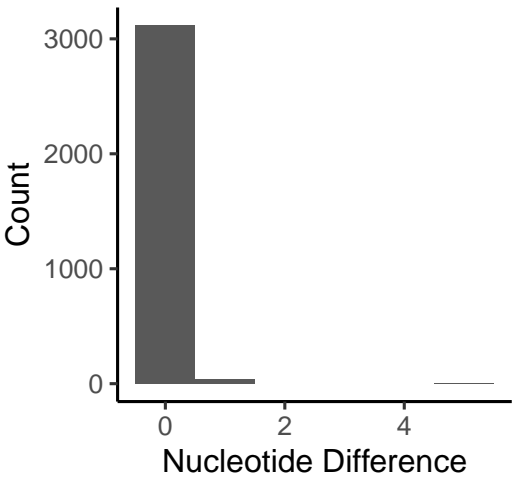
TRBV30*ap01

3986 sequences assigned
3929 (98.6%) exact matches, in which:
3794 unique CDR3
13 unique J



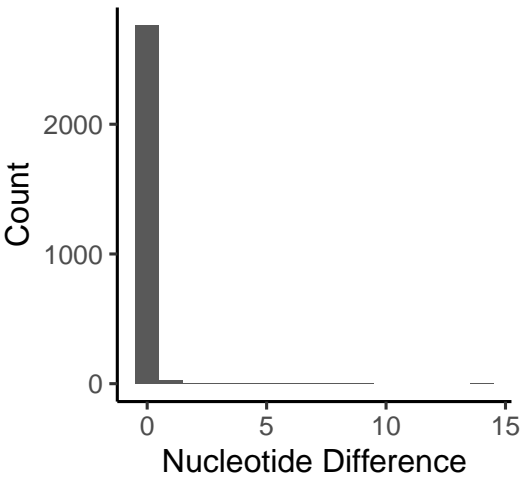
TRBV30*ap02

3153 sequences assigned
3117 (98.9%) exact matches, in which:
3011 unique CDR3
13 unique J



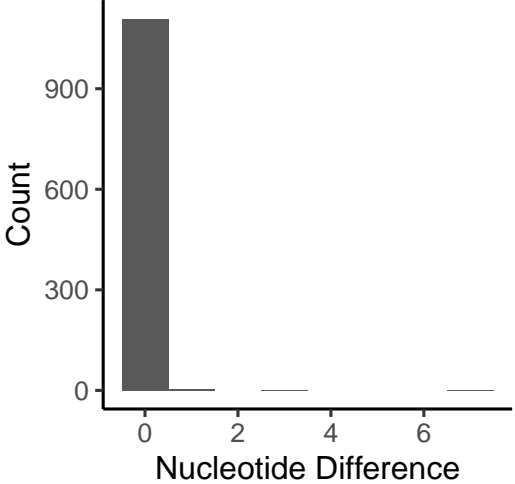
TRBV21-1*ap01

2802 sequences assigned
2762 (98.6%) exact matches, in which:
2744 unique CDR3
13 unique J



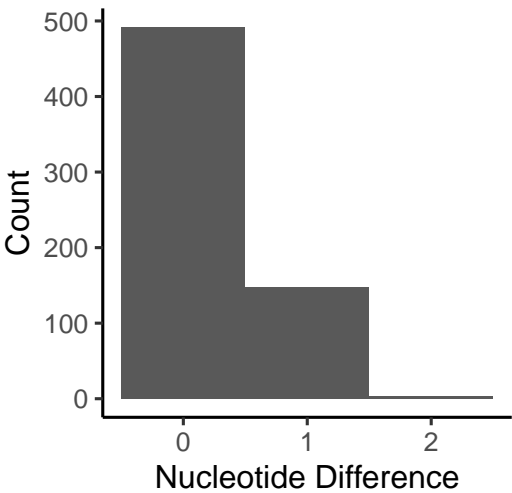
TRBV11-3*ap01

1117 sequences assigned
1109 (99.3%) exact matches, in which:
1100 unique CDR3
13 unique J



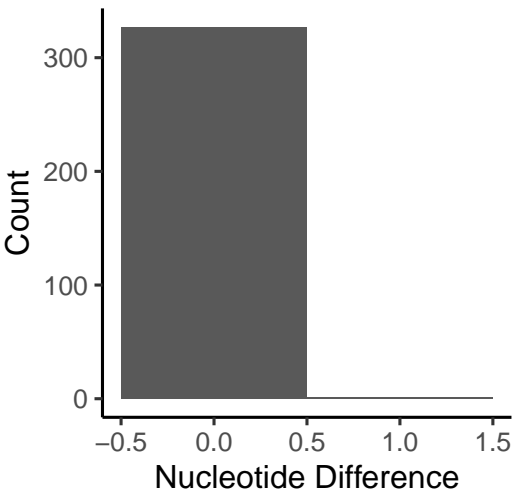
TRBV30*ap03

642 sequences assigned
492 (76.6%) exact matches, in which:
471 unique CDR3
13 unique J



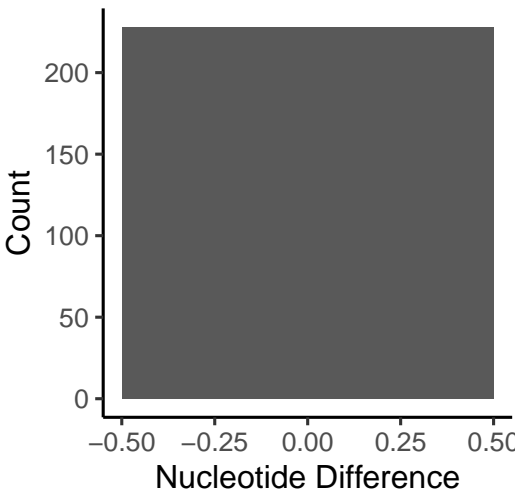
TRBV11-1*ap01

328 sequences assigned
327 (99.7%) exact matches, in which:
324 unique CDR3
13 unique J



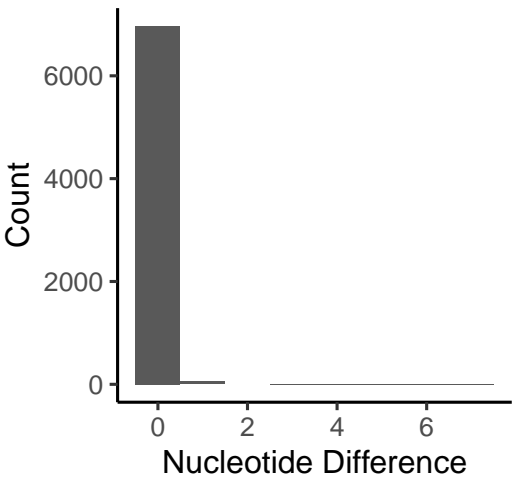
TRBV12-1*ap01

228 sequences assigned
228 (100%) exact matches, in which:
225 unique CDR3
13 unique J



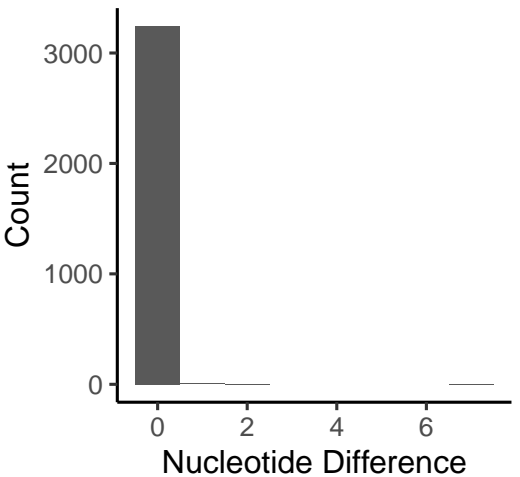
TRBV9*ap01

7030 sequences assigned
6968 (99.1%) exact matches, in which:
6893 unique CDR3
13 unique J



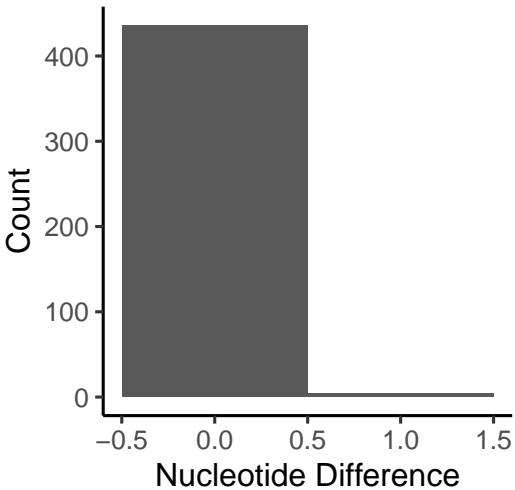
TRBV11-2*ap01

3256 sequences assigned
3244 (99.6%) exact matches, in which:
3220 unique CDR3
13 unique J



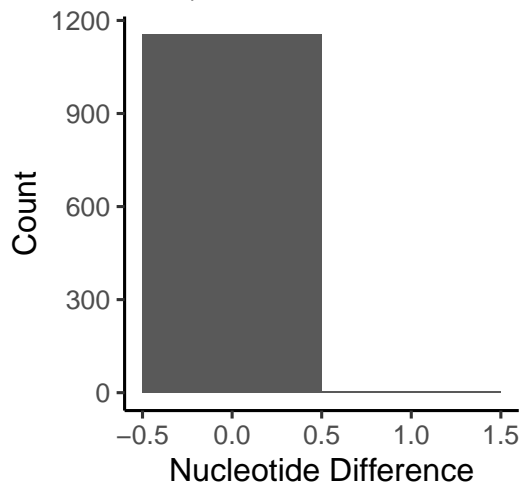
TRBV12-2*ap01

440 sequences assigned
436 (99.1%) exact matches, in which:
433 unique CDR3
13 unique J



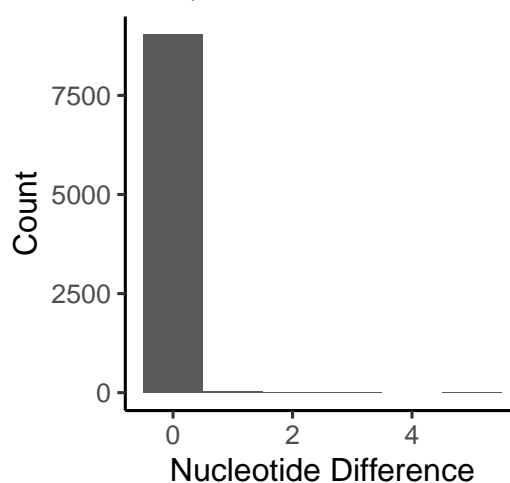
TRBV12-5*ap01

1159 sequences assigned
1155 (99.7%) exact matches, in which:
1137 unique CDR3
13 unique J



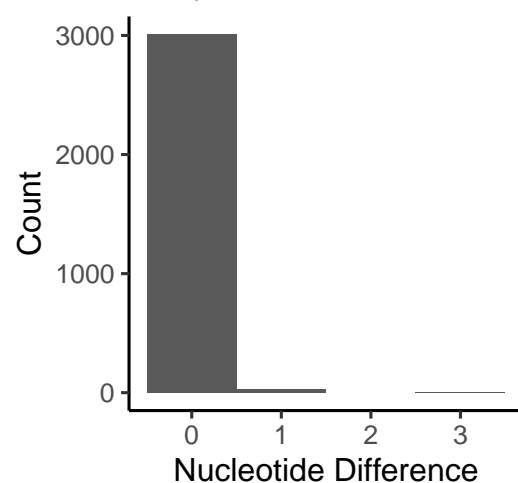
TRBV3-12*ap01

9084 sequences assigned
9039 (99.5%) exact matches, in which:
8926 unique CDR3
13 unique J



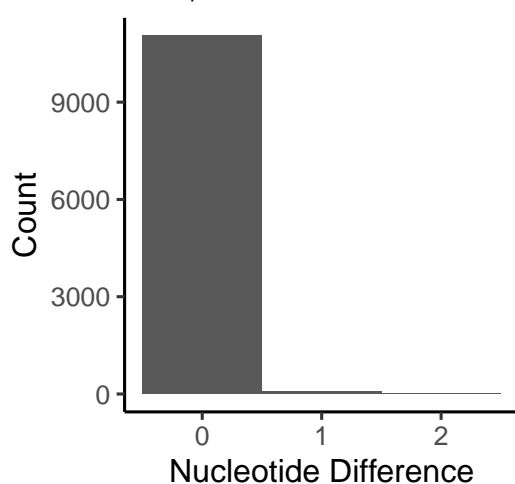
TRBV4-2*ap01

3036 sequences assigned
3009 (99.1%) exact matches, in which:
2943 unique CDR3
13 unique J



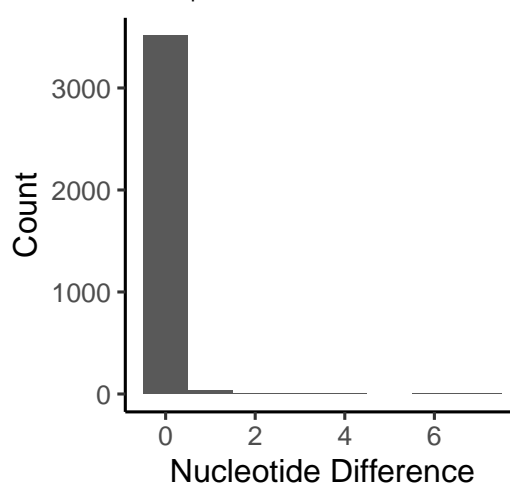
TRBV12-34*ap01

11141 sequences assigned
11049 (99.2%) exact matches, in which:
10841 unique CDR3
13 unique J



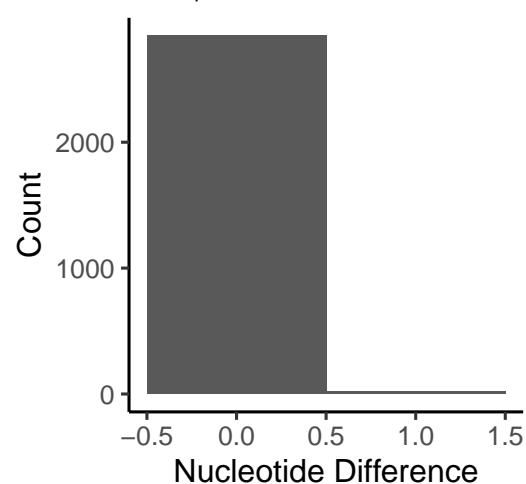
TRBV24-1*ap01

3558 sequences assigned
3512 (98.7%) exact matches, in which:
3437 unique CDR3
13 unique J



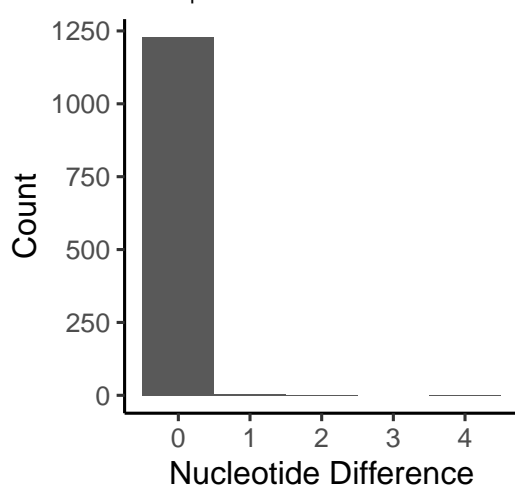
TRBV4-3*ap01

2863 sequences assigned
2846 (99.4%) exact matches, in which:
2806 unique CDR3
13 unique J



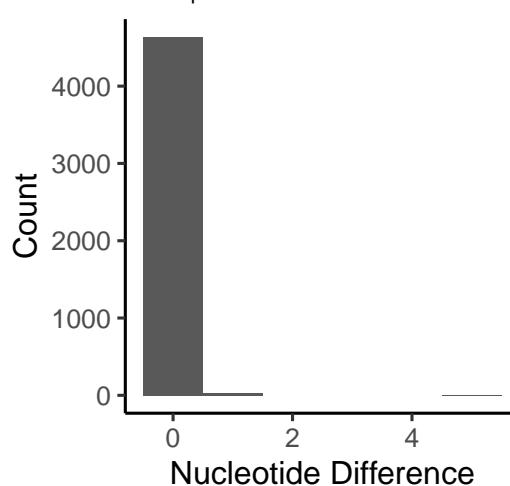
TRBV23-1*ap01

1237 sequences assigned
1229 (99.4%) exact matches, in which:
1206 unique CDR3
13 unique J



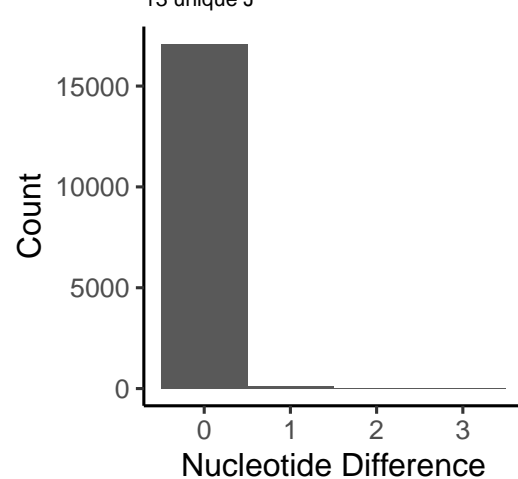
TRBV4-1*ap01

4666 sequences assigned
4635 (99.3%) exact matches, in which:
4538 unique CDR3
13 unique J



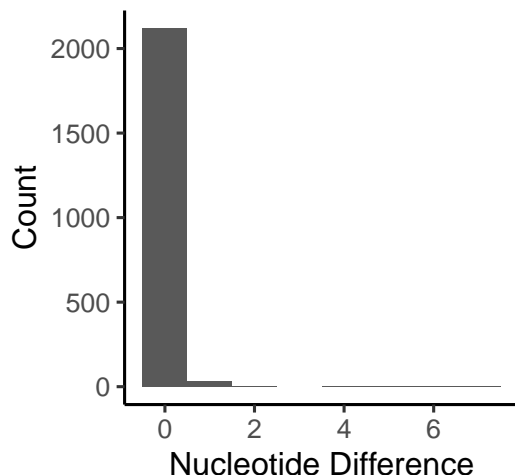
TRBV5-1*ap01

17247 sequences assigned
17096 (99.1%) exact matches, in which:
16795 unique CDR3
13 unique J



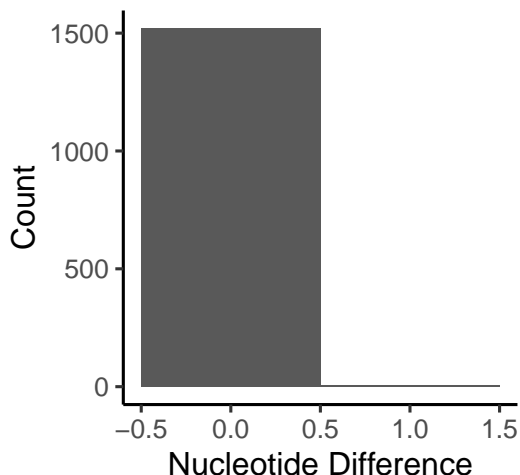
TRBV25–1*ap01

2157 sequences assigned
2119 (98.2%) exact matches, in which:
2046 unique CDR3
13 unique J



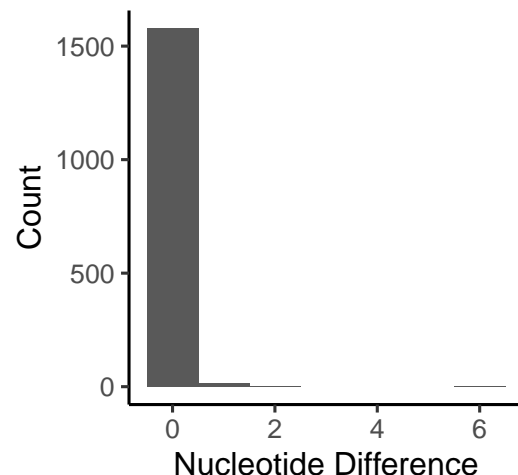
TRBV5–5*ap01

1528 sequences assigned
1520 (99.5%) exact matches, in which:
1508 unique CDR3
13 unique J



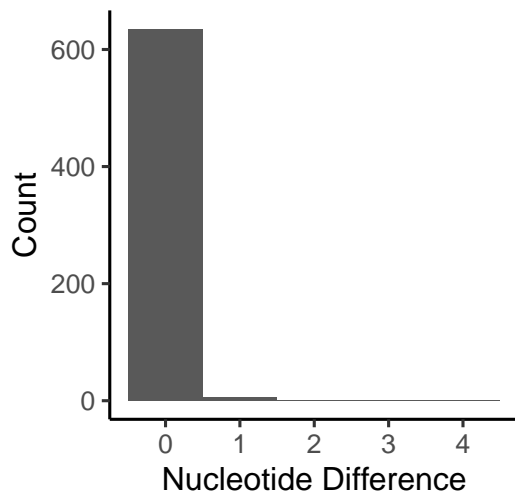
TRBV5–8*ap01

1599 sequences assigned
1578 (98.7%) exact matches, in which:
1535 unique CDR3
13 unique J



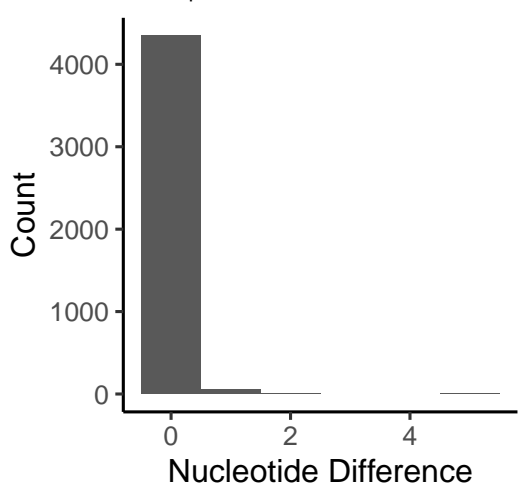
TRBV5–3*ap01

644 sequences assigned
635 (98.6%) exact matches, in which:
621 unique CDR3
13 unique J



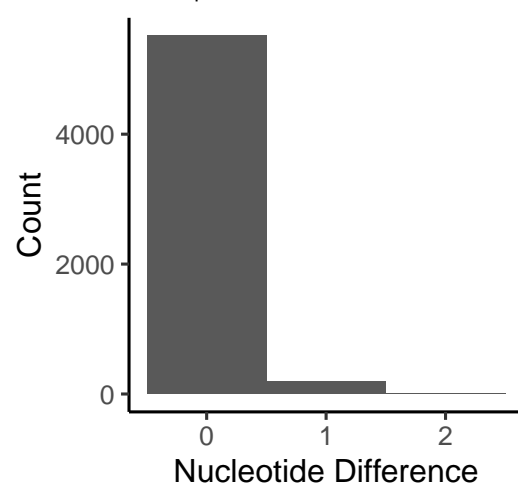
TRBV5–6*ap01

4403 sequences assigned
4347 (98.7%) exact matches, in which:
4220 unique CDR3
13 unique J



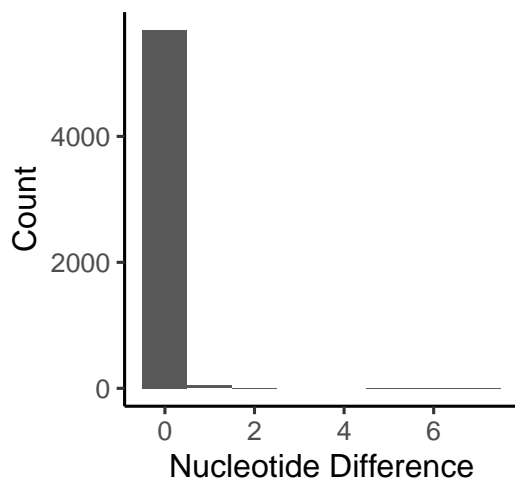
TRBV6–1*ap01

5707 sequences assigned
5516 (96.7%) exact matches, in which:
5389 unique CDR3
13 unique J



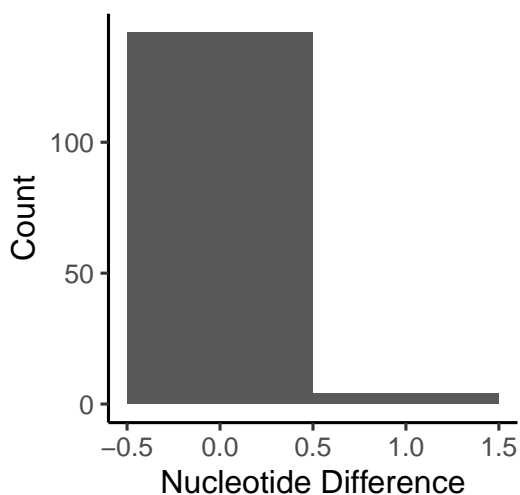
TRBV5–4*ap01

5740 sequences assigned
5688 (99.1%) exact matches, in which:
5562 unique CDR3
13 unique J



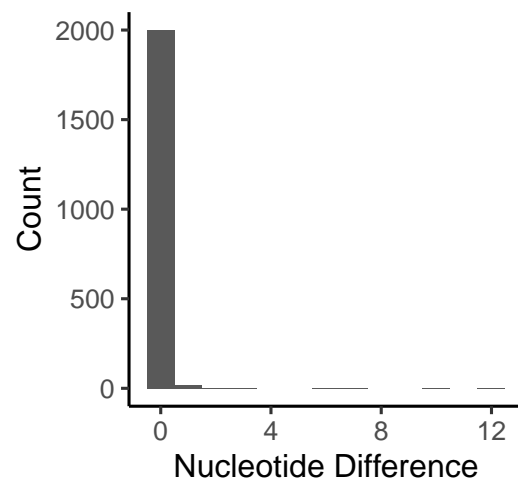
TRBV5–7*ap01

146 sequences assigned
142 (97.3%) exact matches, in which:
137 unique CDR3
13 unique J



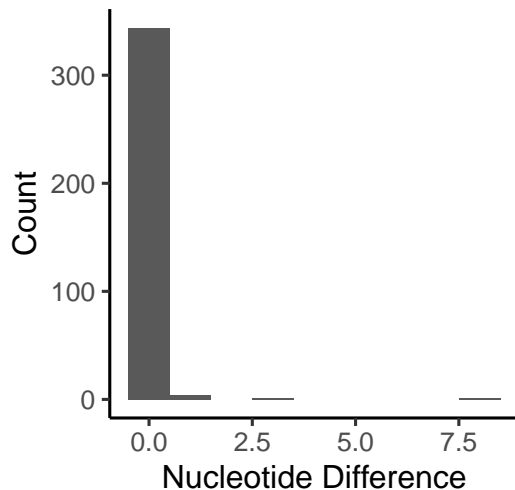
TRBV6–4*ap01

2028 sequences assigned
2000 (98.6%) exact matches, in which:
1972 unique CDR3
13 unique J



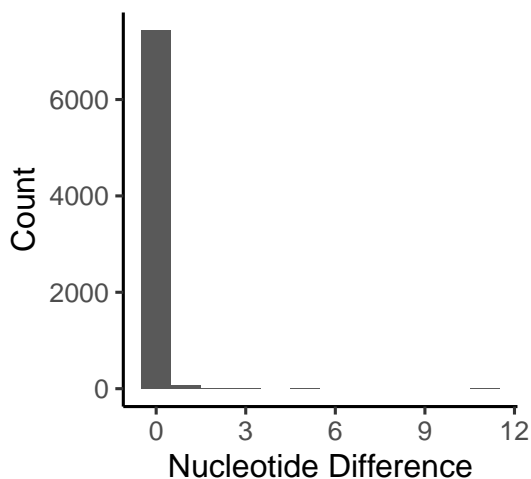
TRBV6-7*ap01

350 sequences assigned
344 (98.3%) exact matches, in which:
336 unique CDR3
13 unique J



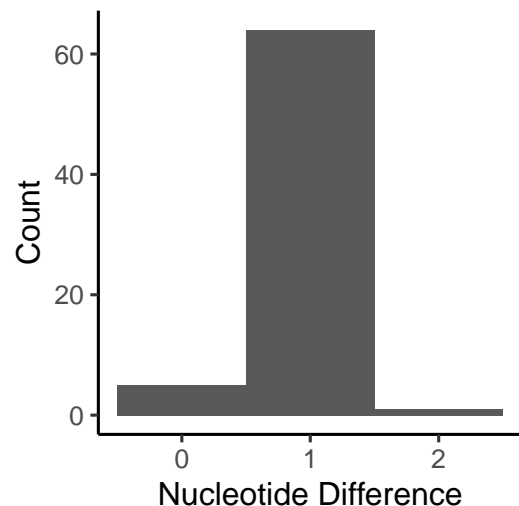
TRBV6-23*ap01

7514 sequences assigned
7434 (98.9%) exact matches, in which:
7182 unique CDR3
13 unique J



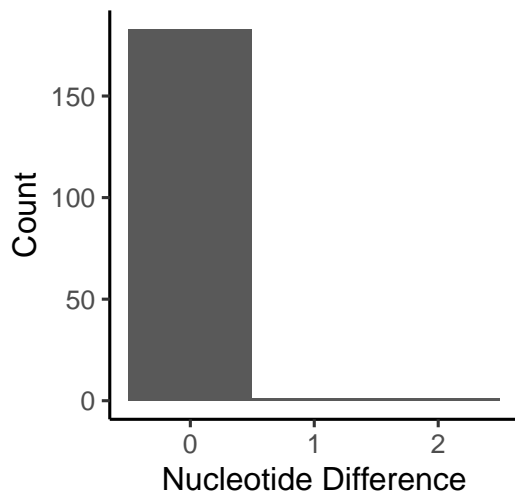
TRBV7-1*ap01_T296C

70 sequences assigned
5 (7.1%) exact matches, in which:
5 unique CDR3
5 unique J



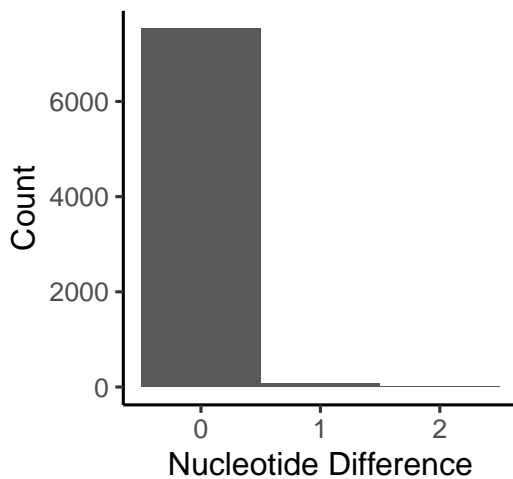
TRBV6-8*ap01

185 sequences assigned
183 (98.9%) exact matches, in which:
177 unique CDR3
12 unique J



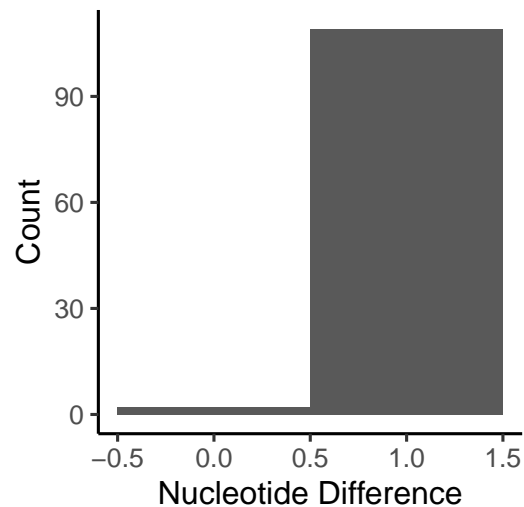
TRBV6-56*ap01

7599 sequences assigned
7529 (99.1%) exact matches, in which:
7314 unique CDR3
13 unique J



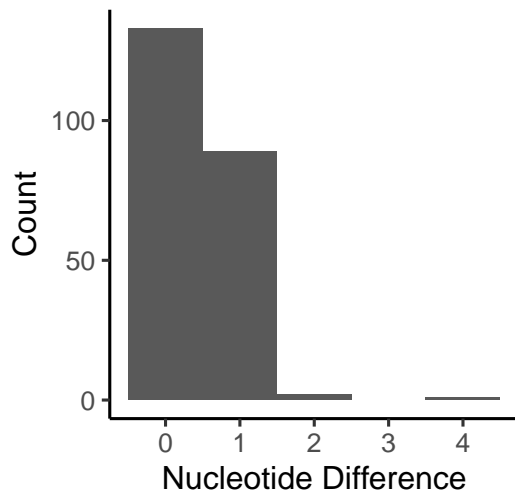
TRBV7-1*ap01_T296C_C

111 sequences assigned
2 (1.8%) exact matches, in which:
2 unique CDR3
2 unique J



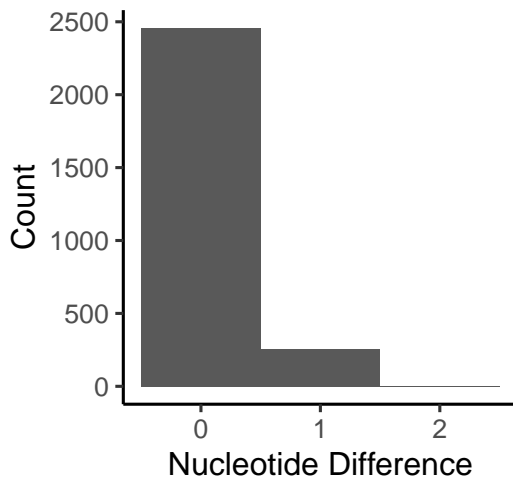
TRBV6-9*ap01

225 sequences assigned
133 (59.1%) exact matches, in which:
129 unique CDR3
13 unique J



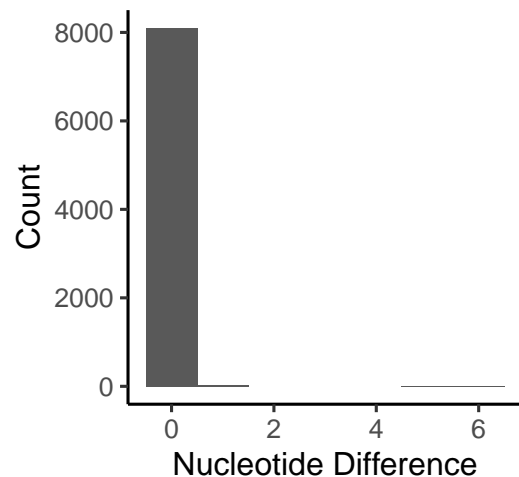
TRBV6-56*ap02

2713 sequences assigned
2457 (90.6%) exact matches, in which:
2392 unique CDR3
13 unique J



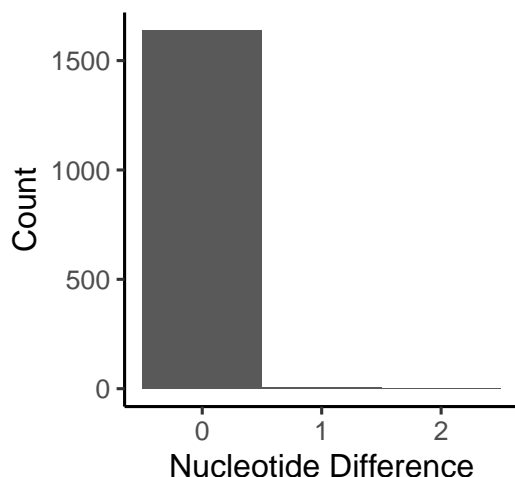
TRBV7-2*ap01

8127 sequences assigned
8099 (99.7%) exact matches, in which:
7980 unique CDR3
13 unique J



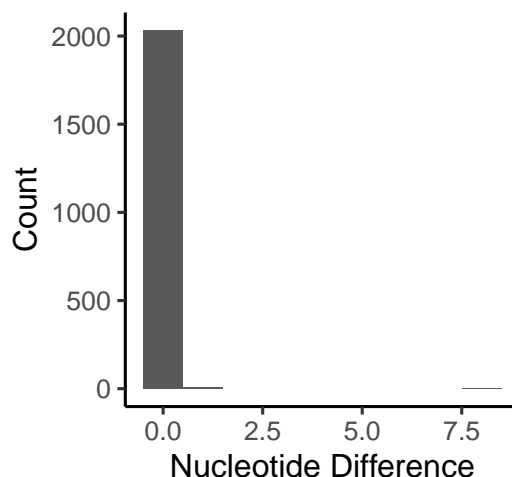
TRBV7-3*ap01

1646 sequences assigned
1638 (99.5%) exact matches, in which:
1625 unique CDR3
13 unique J



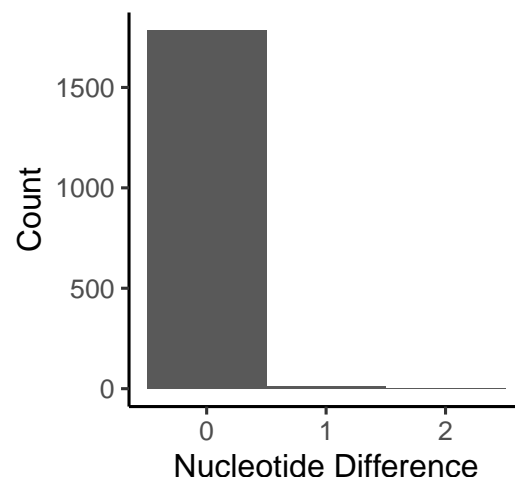
TRBV7-6*ap01

2042 sequences assigned
2032 (99.5%) exact matches, in which:
1987 unique CDR3
13 unique J



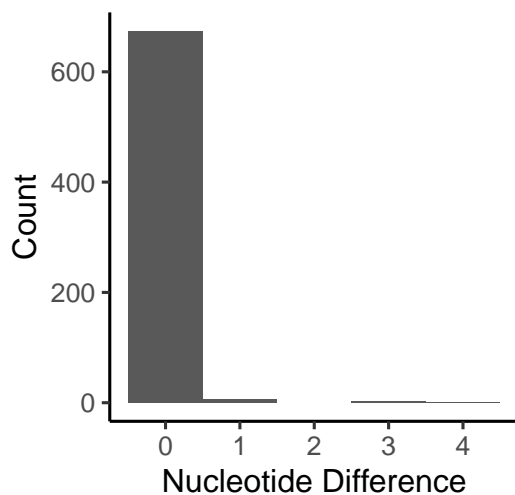
TRBV7-8*ap01

1796 sequences assigned
1784 (99.3%) exact matches, in which:
1758 unique CDR3
13 unique J



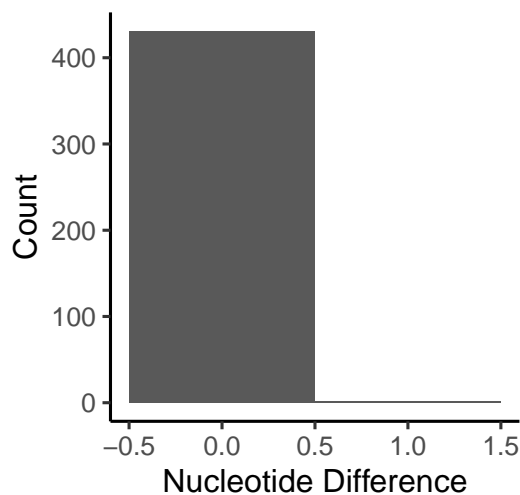
TRBV7-3*ap02

683 sequences assigned
674 (98.7%) exact matches, in which:
668 unique CDR3
13 unique J



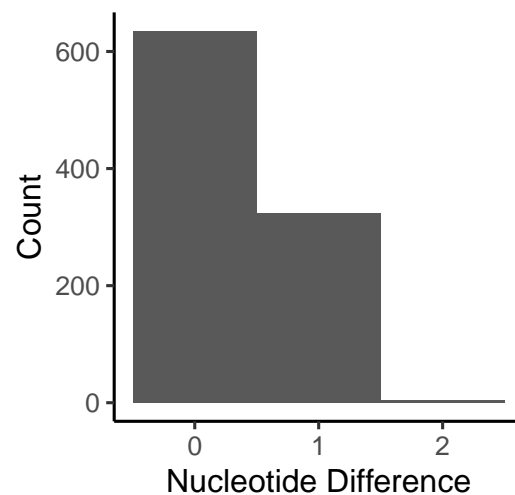
TRBV7-7*ap01

433 sequences assigned
431 (99.5%) exact matches, in which:
423 unique CDR3
13 unique J



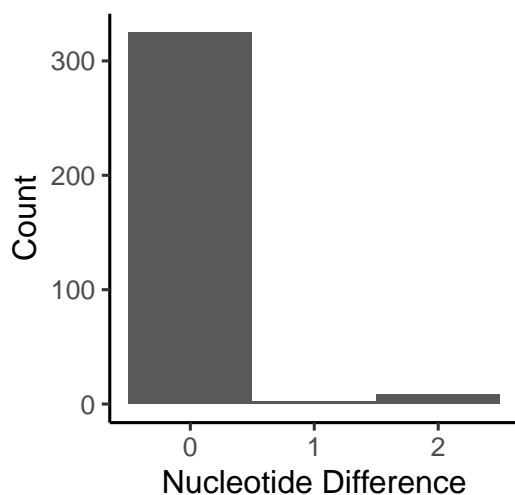
TRBV7-8*ap03

963 sequences assigned
635 (65.9%) exact matches, in which:
616 unique CDR3
13 unique J



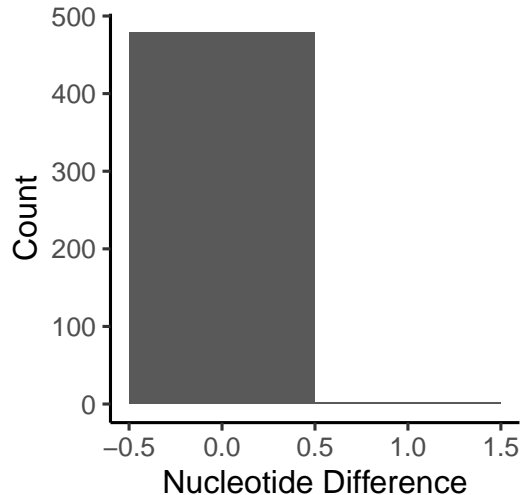
TRBV7-4*ap01

335 sequences assigned
325 (97%) exact matches, in which:
313 unique CDR3
13 unique J



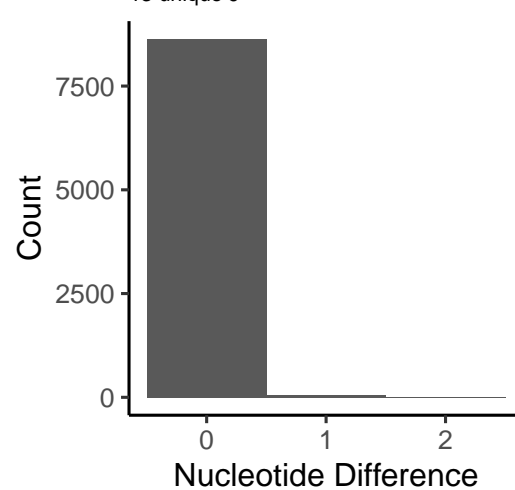
TRBV7-7*ap01_C315T

481 sequences assigned
479 (99.6%) exact matches, in which:
470 unique CDR3
13 unique J



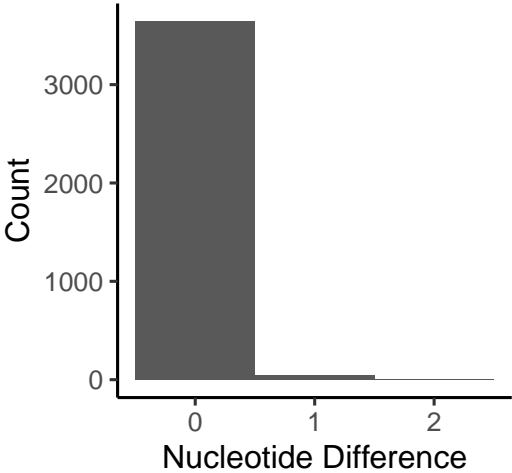
TRBV7-9*ap01

8695 sequences assigned
8633 (99.3%) exact matches, in which:
8512 unique CDR3
13 unique J



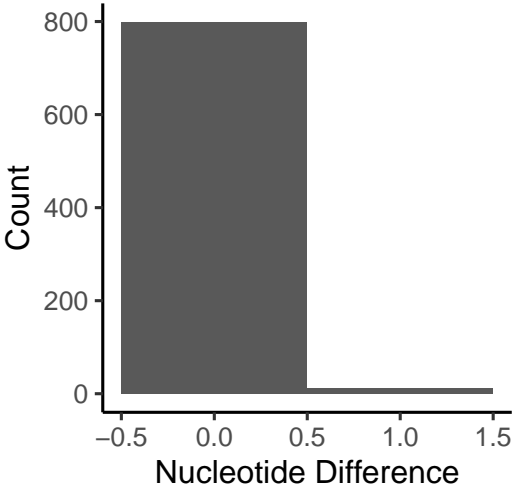
TRBV29-1*ap01

3695 sequences assigned
3643 (98.6%) exact matches, in which:
3508 unique CDR3
13 unique J

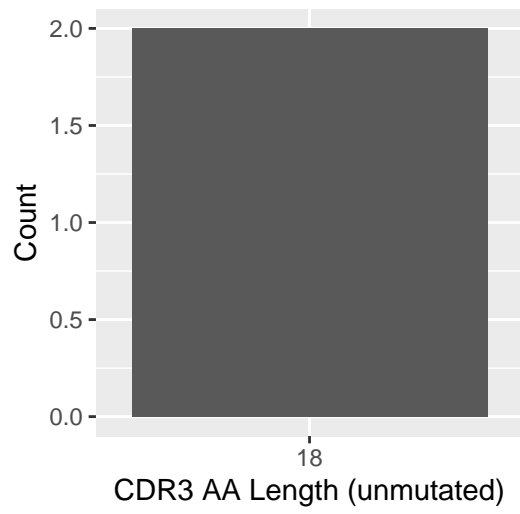


TRBV29-1*ap02

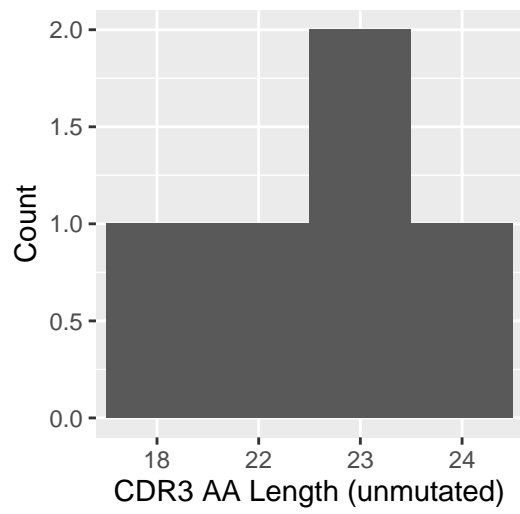
811 sequences assigned
799 (98.5%) exact matches, in which:
771 unique CDR3
13 unique J



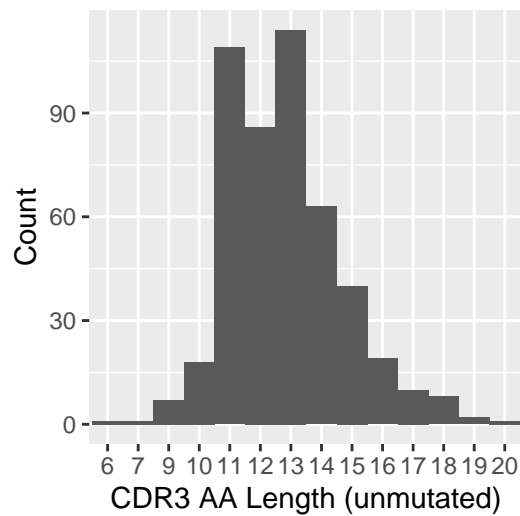
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]