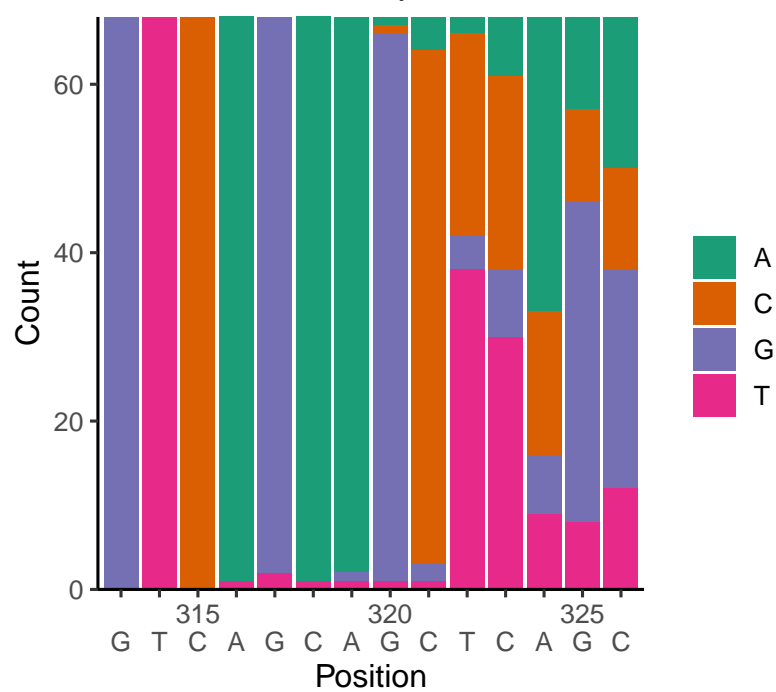
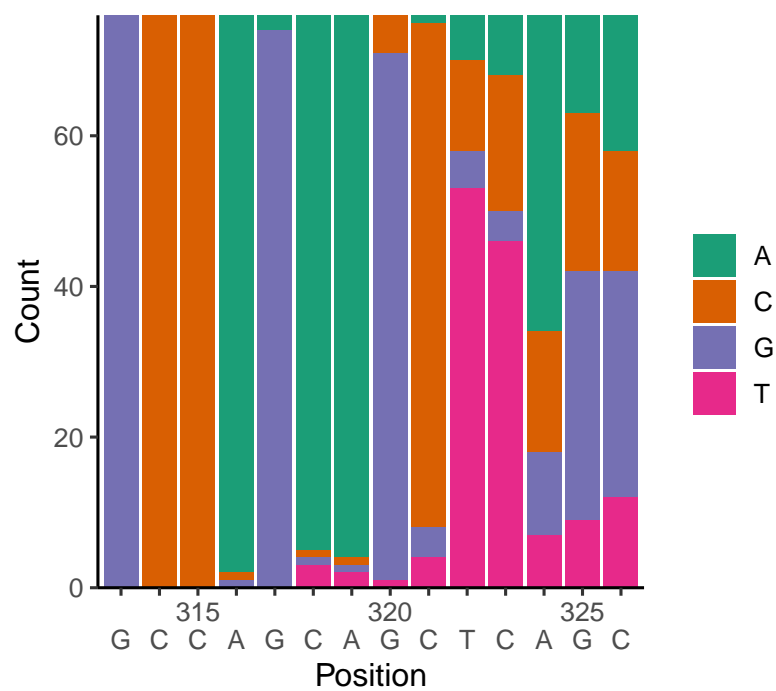


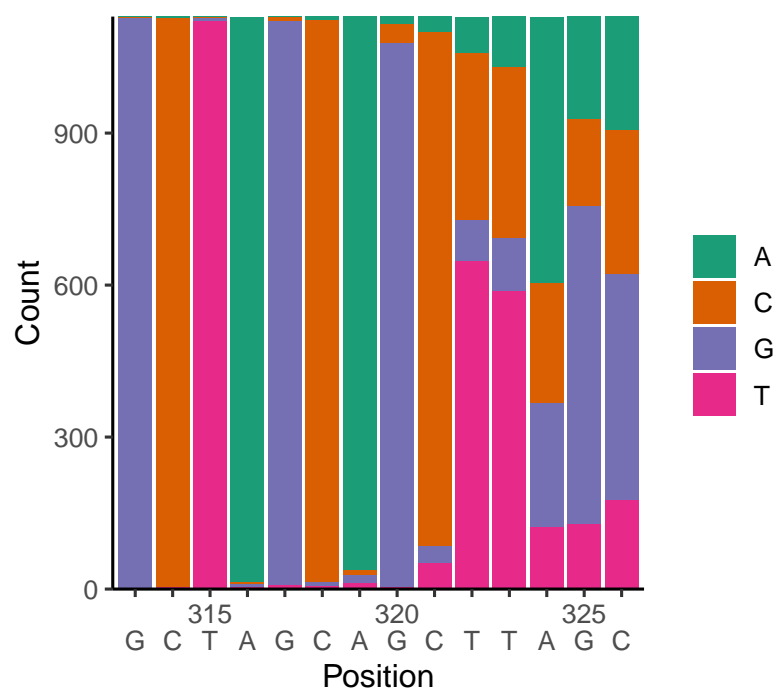
Gene TRBV7-1*ap01_G291C_T296C_C314T



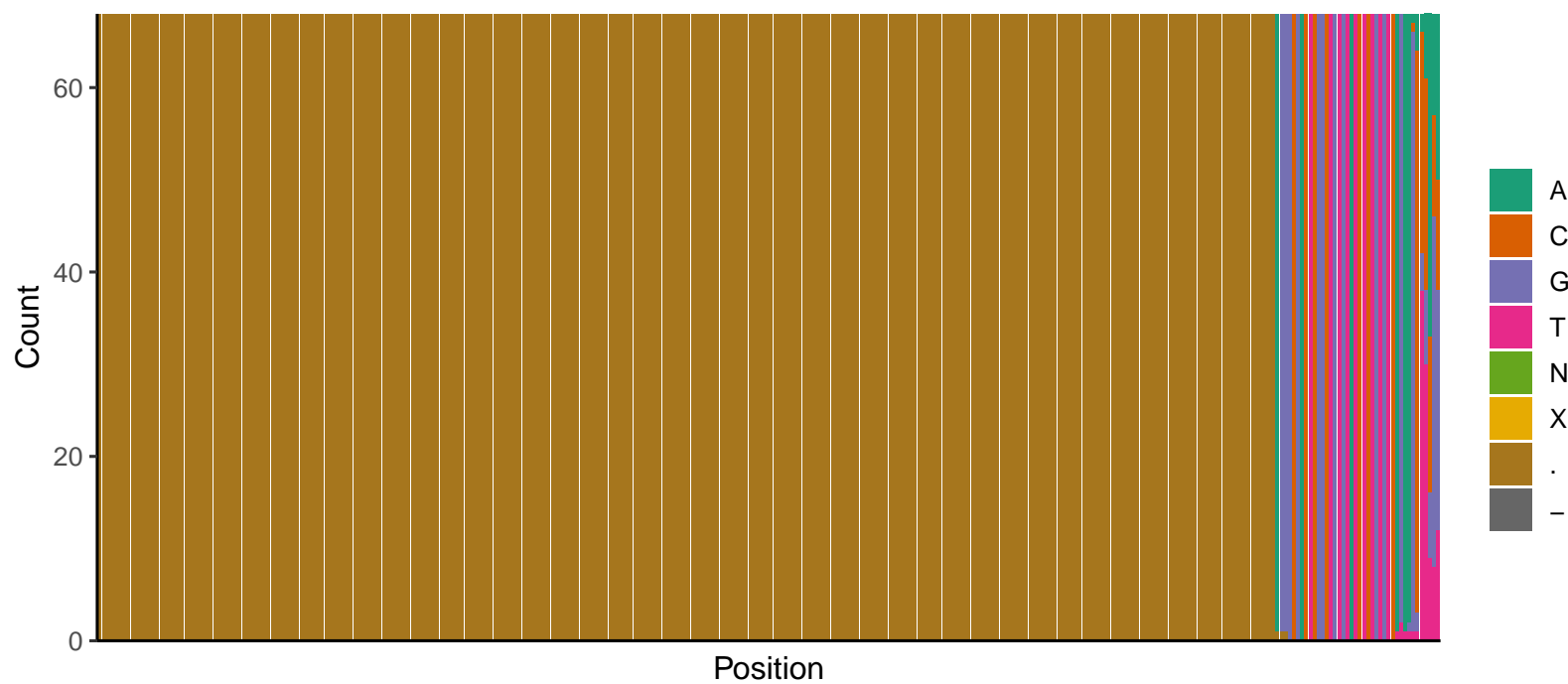
Gene TRBV7-1*ap01_G291C_T296C



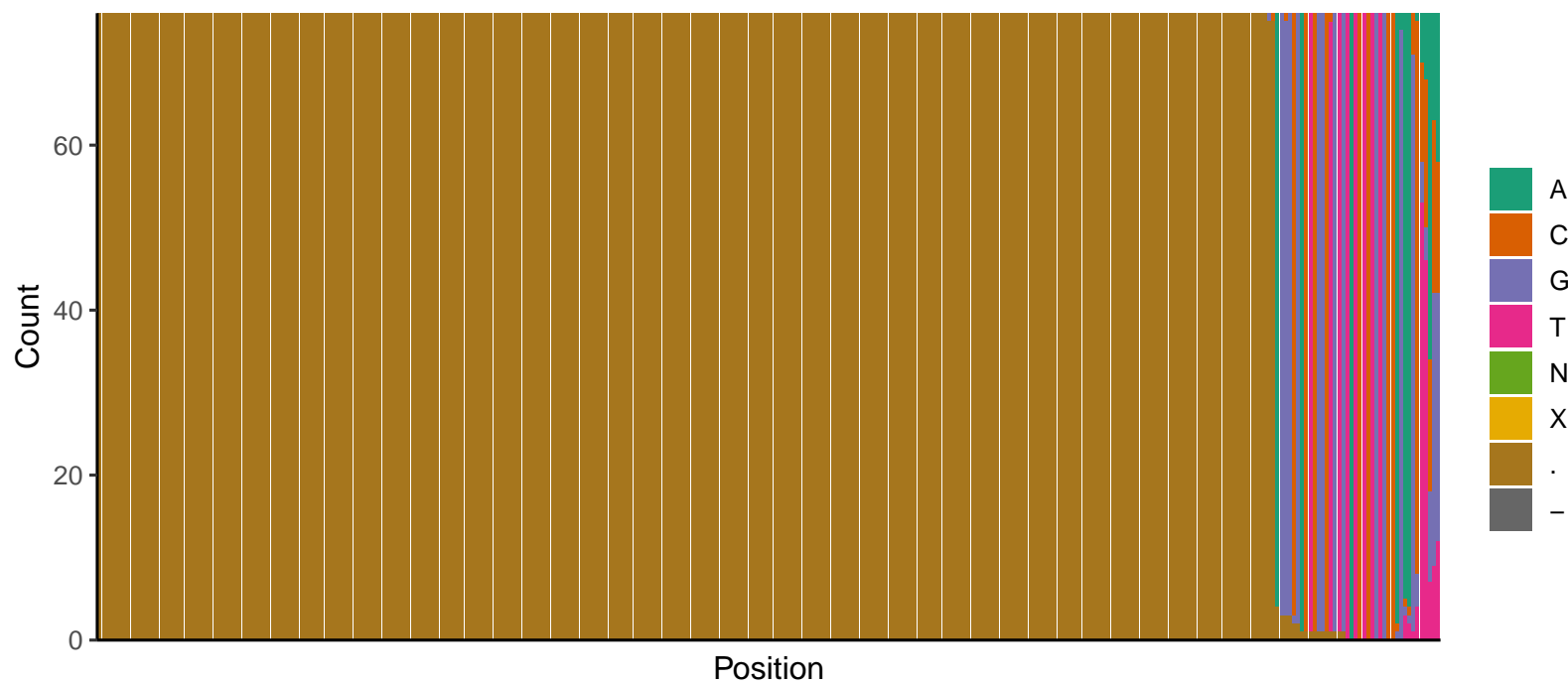
Gene TRBV7-7*ap01_C315T



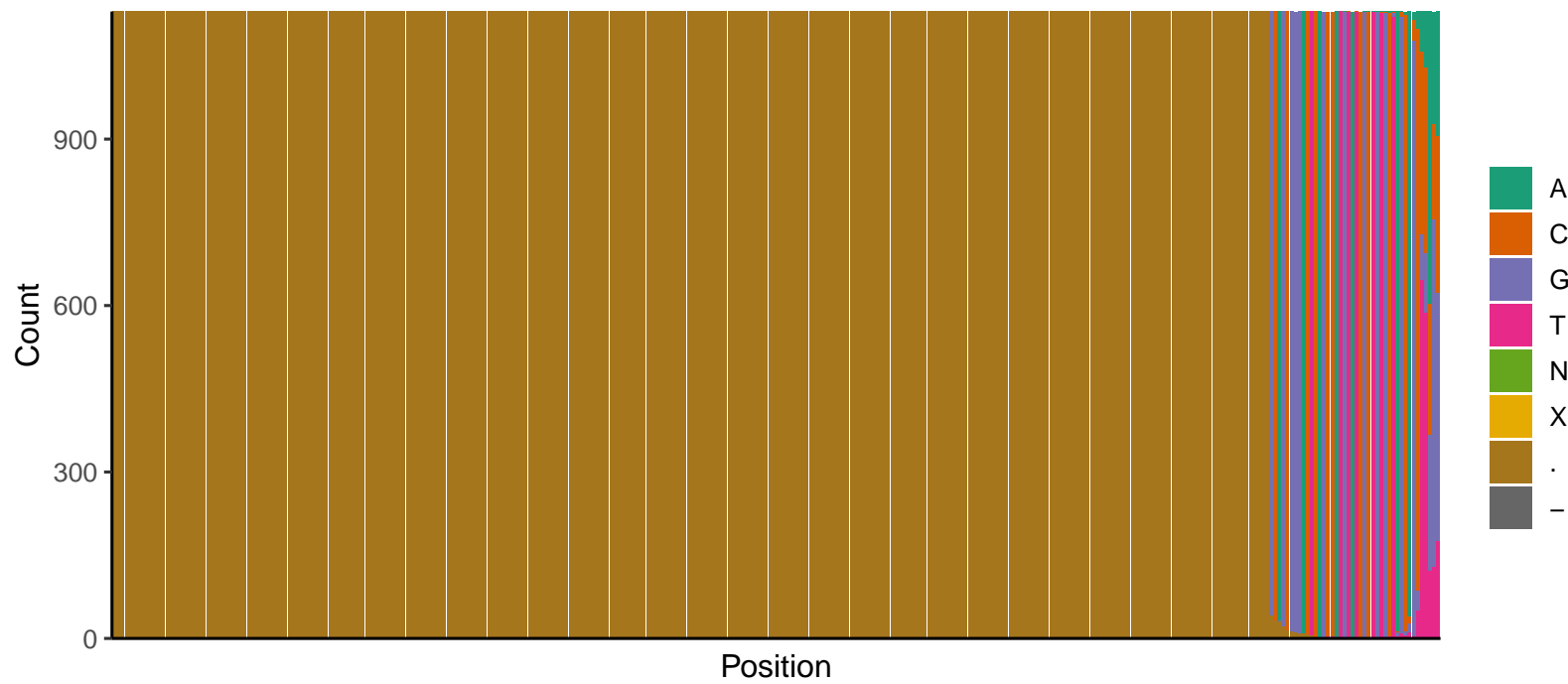
Gene TRBV7-1*ap01_G291C_T296C_C314T



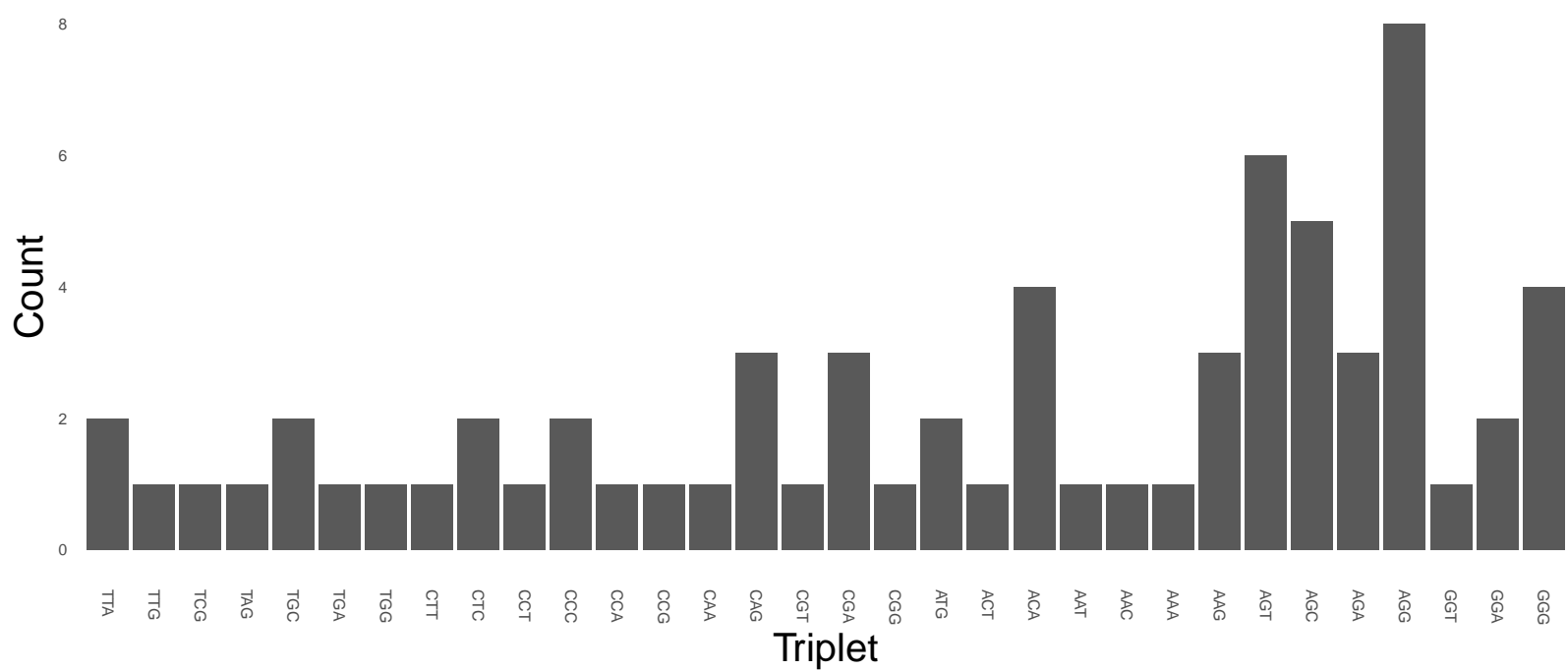
Gene TRBV7-1*ap01_G291C_T296C



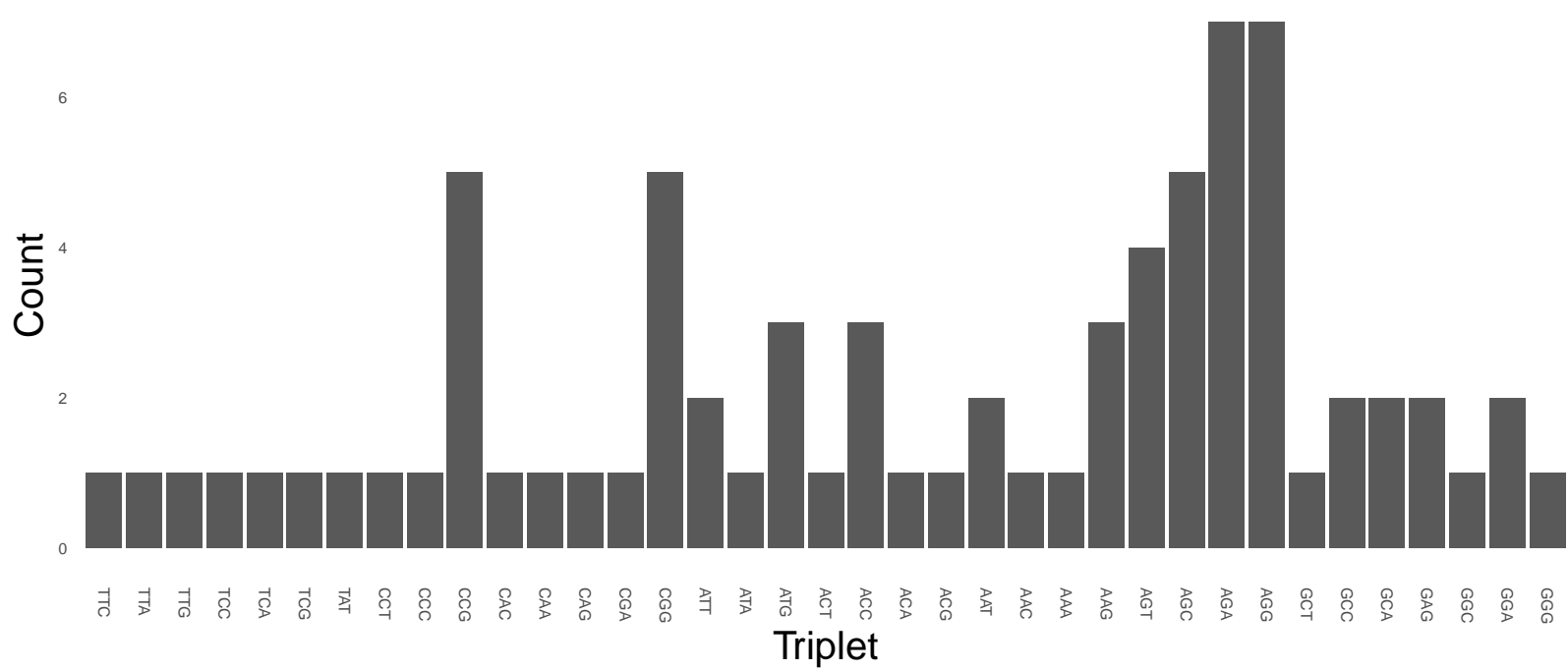
Gene TRBV7-7*ap01_C315T



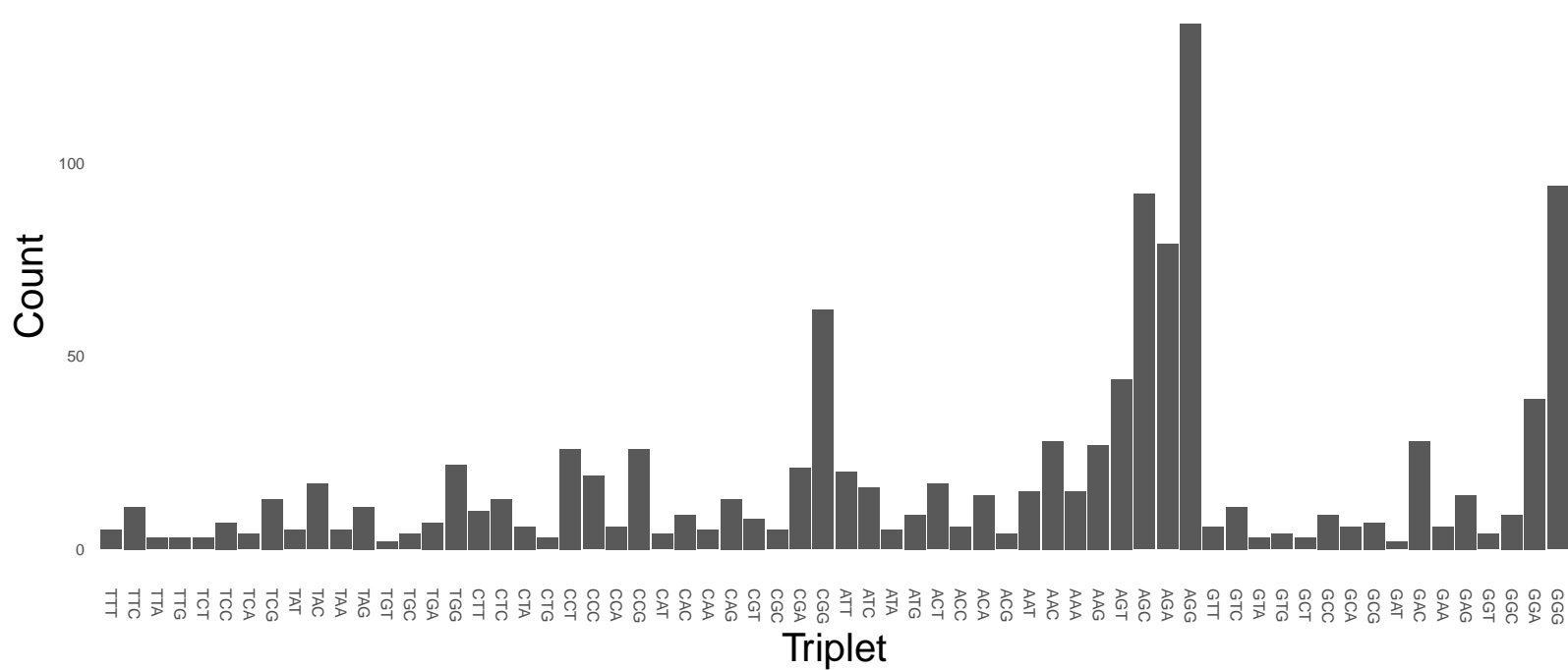
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

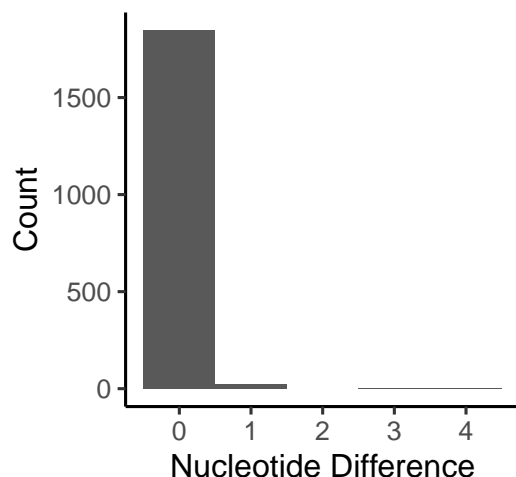


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



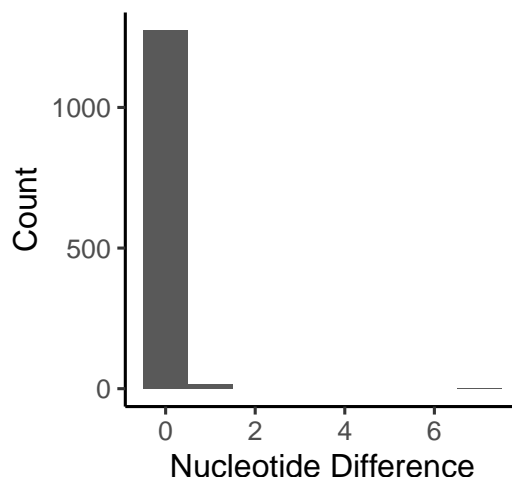
TRBV10-1*ap01

1870 sequences assigned
1846 (98.7%) exact matches, in which:
1809 unique CDR3
13 unique J



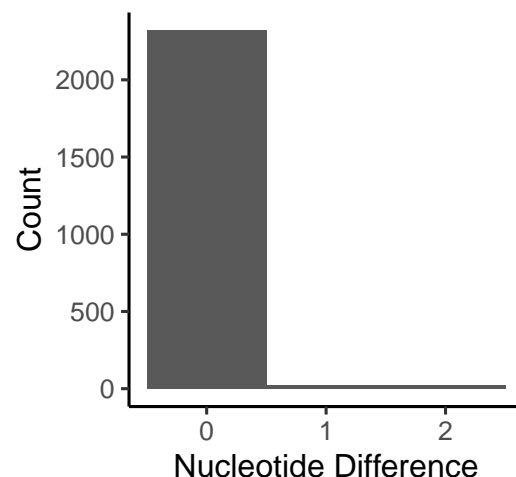
TRBV10-2*ap01

1291 sequences assigned
1274 (98.7%) exact matches, in which:
1245 unique CDR3
13 unique J



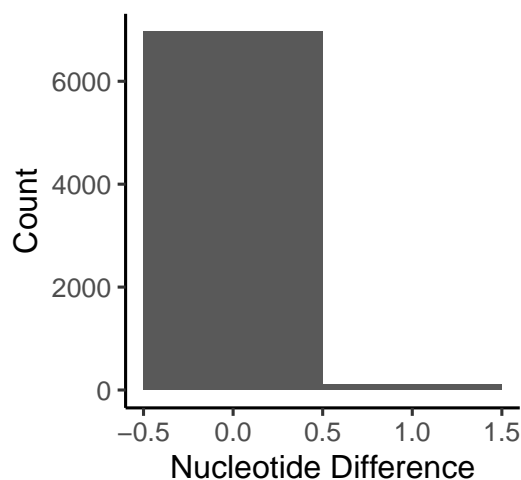
TRBV13*ap01

2365 sequences assigned
2320 (98.1%) exact matches, in which:
2252 unique CDR3
13 unique J



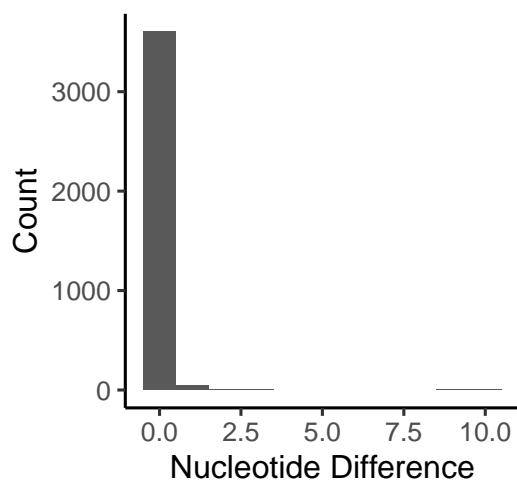
TRBV20-1*ap01

7072 sequences assigned
6963 (98.5%) exact matches, in which:
6860 unique CDR3
13 unique J



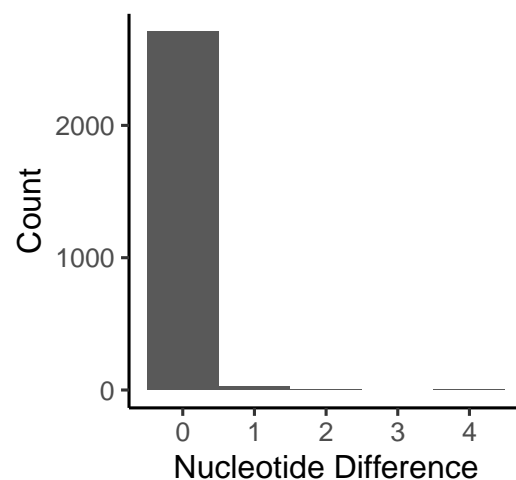
TRBV10-3*ap01

3659 sequences assigned
3603 (98.5%) exact matches, in which:
3522 unique CDR3
13 unique J



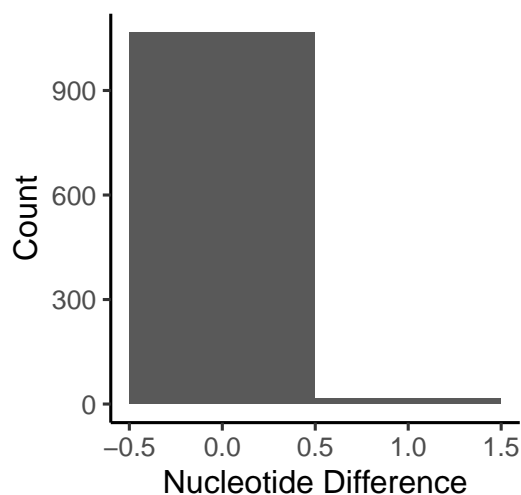
TRBV14*ap01

2740 sequences assigned
2708 (98.8%) exact matches, in which:
2666 unique CDR3
13 unique J



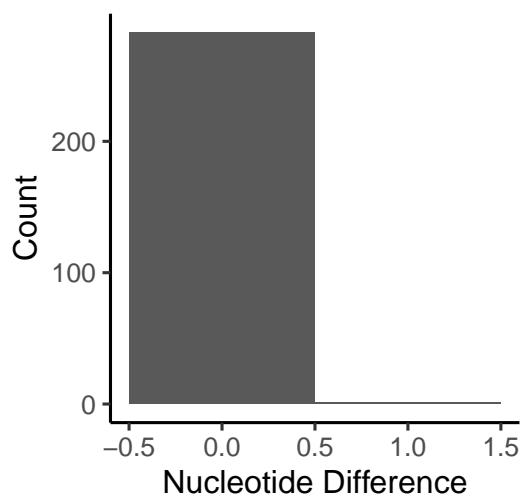
TRBV20-1*ap02

1084 sequences assigned
1067 (98.4%) exact matches, in which:
1049 unique CDR3
13 unique J



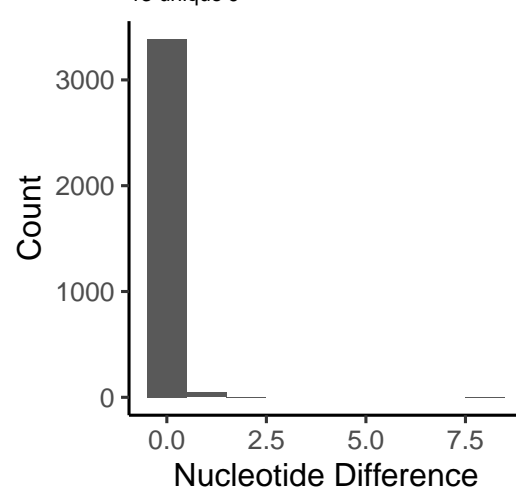
TRBV1*ap01

284 sequences assigned
283 (99.6%) exact matches, in which:
277 unique CDR3
13 unique J



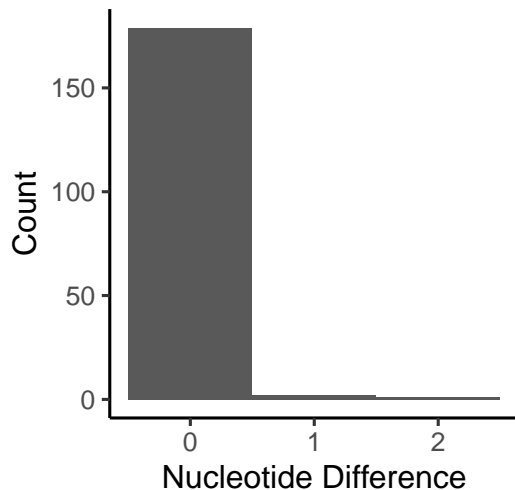
TRBV15*ap02

3435 sequences assigned
3386 (98.6%) exact matches, in which:
3311 unique CDR3
13 unique J



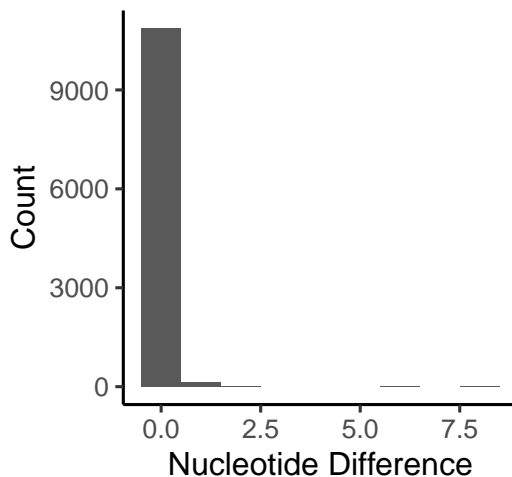
TRBV16*ap01

182 sequences assigned
179 (98.4%) exact matches, in which:
176 unique CDR3
13 unique J



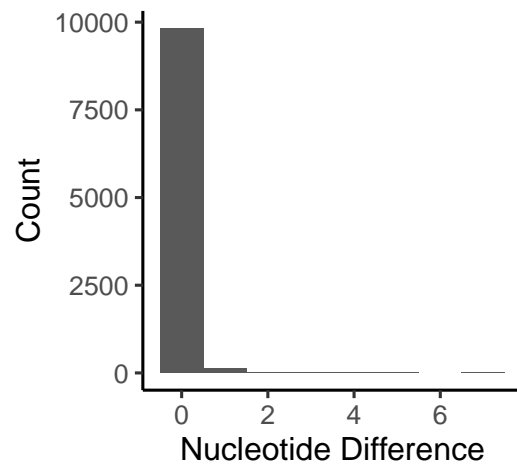
TRBV19*ap01

11004 sequences assigned
10866 (98.7%) exact matches, in which:
10714 unique CDR3
13 unique J



TRBV27*ap01

9970 sequences assigned
9829 (98.6%) exact matches, in which:
9591 unique CDR3
13 unique J



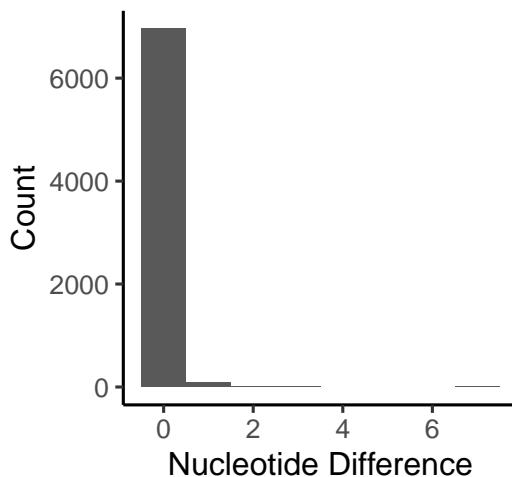
TRBV17*ap01

1 sequences assigned
No exact matches.



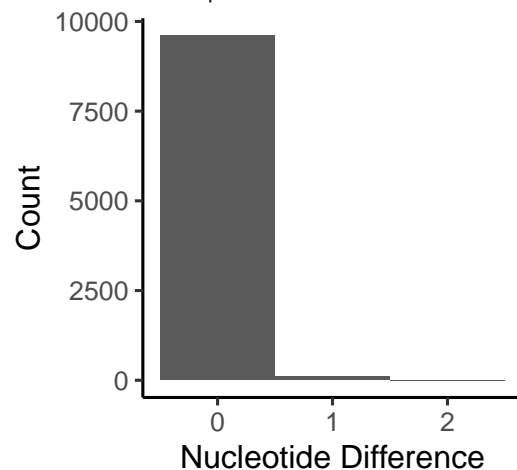
TRBV2*ap01

7069 sequences assigned
6960 (98.5%) exact matches, in which:
6854 unique CDR3
13 unique J



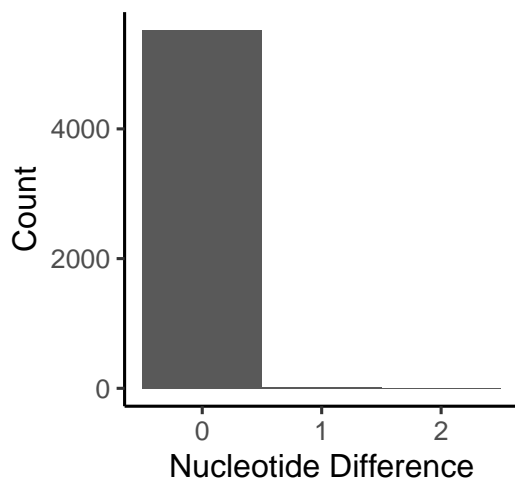
TRBV28*ap01

9712 sequences assigned
9609 (98.9%) exact matches, in which:
9431 unique CDR3
13 unique J



TRBV18*ap01

5550 sequences assigned
5524 (99.5%) exact matches, in which:
5452 unique CDR3
13 unique J



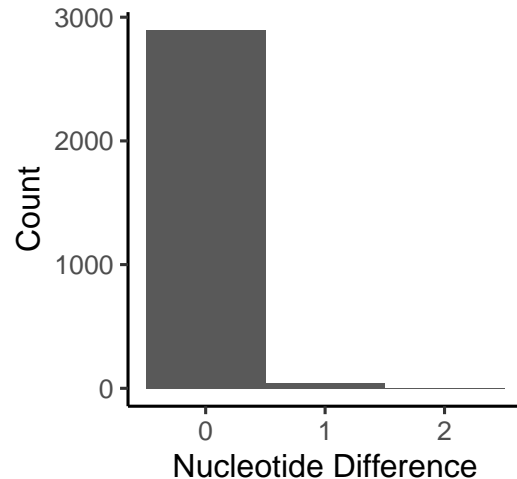
TRBV26*ap01

1 sequences assigned
No exact matches.



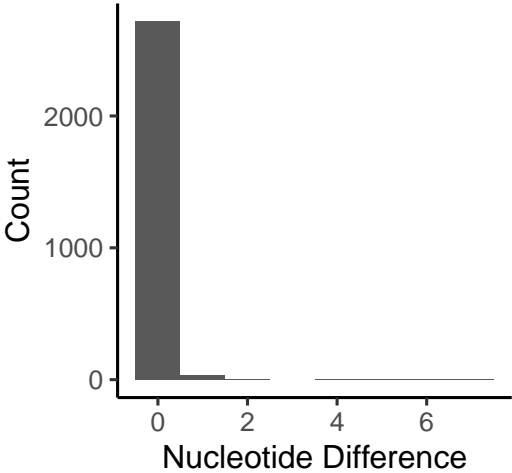
TRBV30*ap01

2938 sequences assigned
2896 (98.6%) exact matches, in which:
2858 unique CDR3
13 unique J



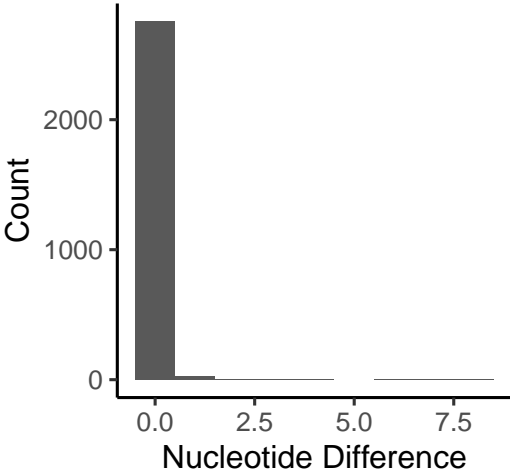
TRBV30*ap02

2761 sequences assigned
2717 (98.4%) exact matches, in which:
2675 unique CDR3
13 unique J



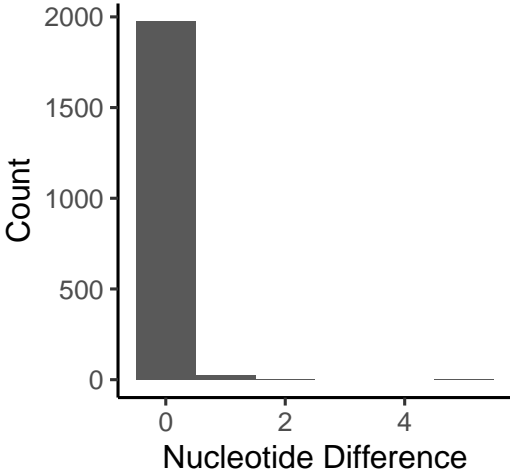
TRBV21-1*ap01

2800 sequences assigned
2756 (98.4%) exact matches, in which:
2707 unique CDR3
13 unique J



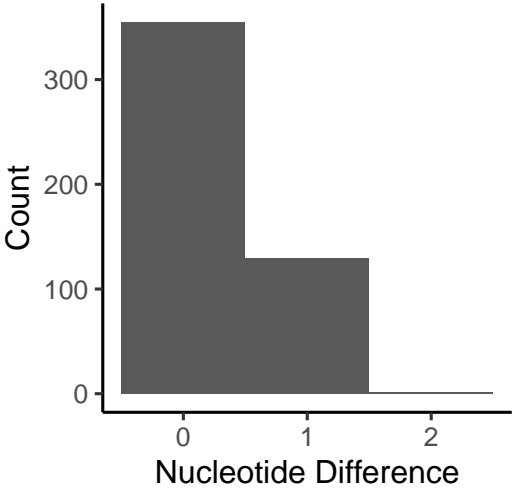
TRBV11-3*ap01

2004 sequences assigned
1975 (98.6%) exact matches, in which:
1940 unique CDR3
13 unique J



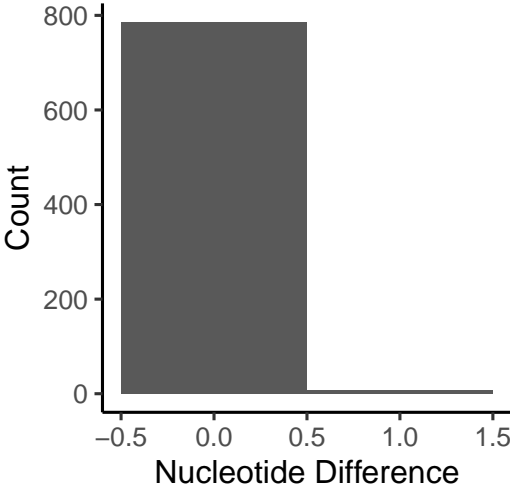
TRBV30*ap03

485 sequences assigned
355 (73.2%) exact matches, in which:
349 unique CDR3
13 unique J



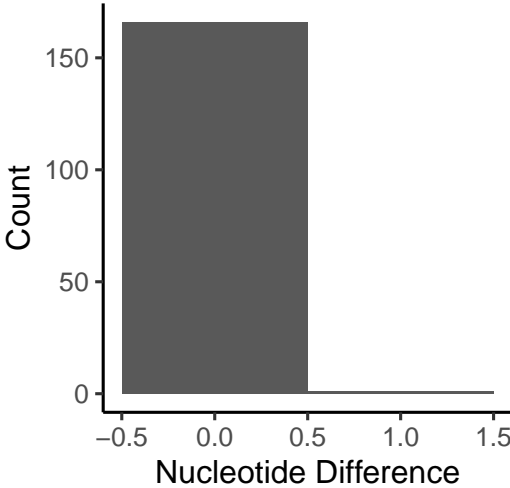
TRBV11-1*ap01

794 sequences assigned
786 (99%) exact matches, in which:
771 unique CDR3
13 unique J



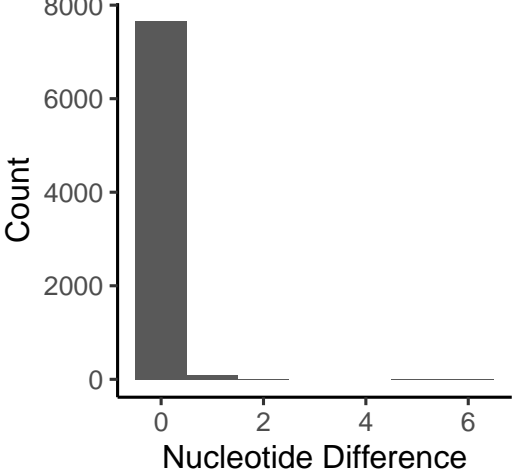
TRBV12-1*ap01

167 sequences assigned
166 (99.4%) exact matches, in which:
161 unique CDR3
13 unique J



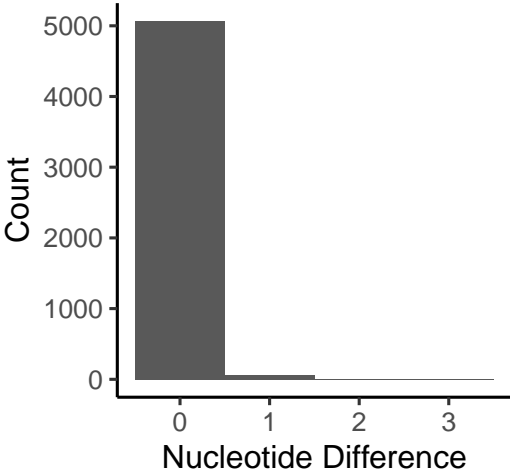
TRBV9*ap01

7753 sequences assigned
7660 (98.8%) exact matches, in which:
7515 unique CDR3
13 unique J



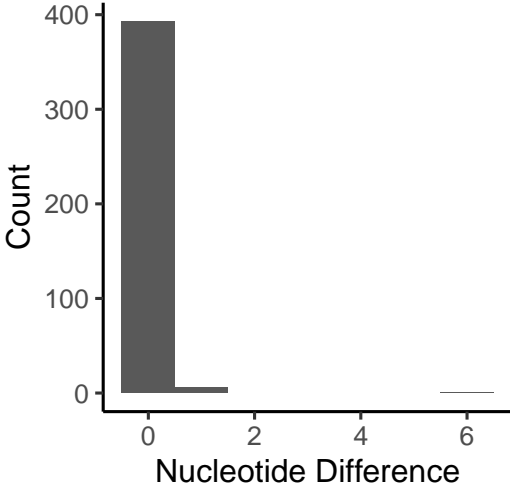
TRBV11-2*ap01

5128 sequences assigned
5067 (98.8%) exact matches, in which:
4958 unique CDR3
13 unique J



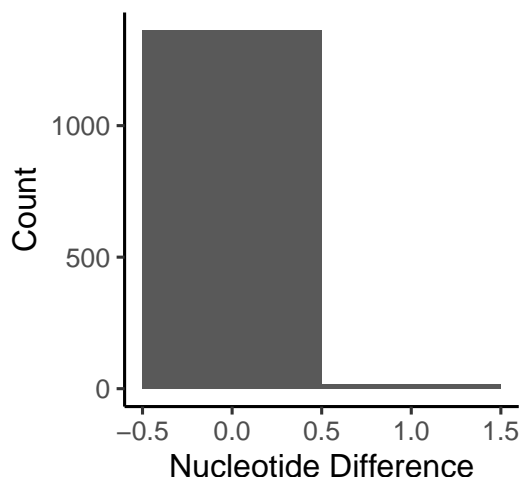
TRBV12-2*ap01

400 sequences assigned
393 (98.2%) exact matches, in which:
385 unique CDR3
13 unique J



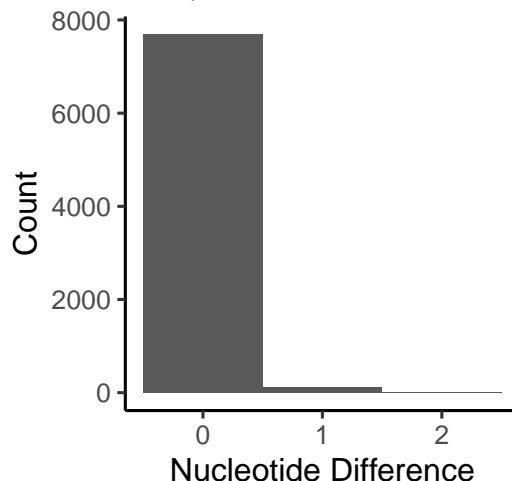
TRBV12-5*ap01

1378 sequences assigned
1362 (98.8%) exact matches, in which:
1340 unique CDR3
13 unique J



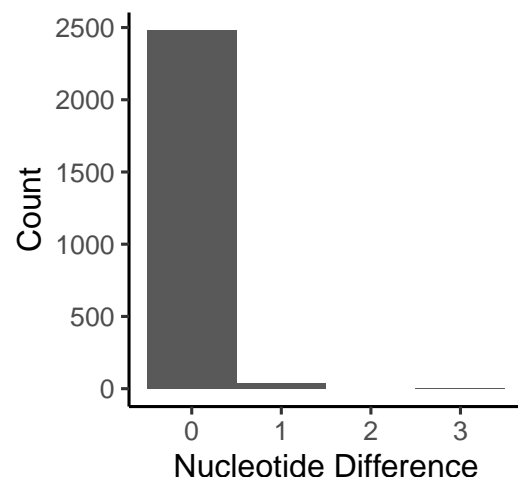
TRBV3-12*ap01

7810 sequences assigned
7690 (98.5%) exact matches, in which:
7546 unique CDR3
13 unique J



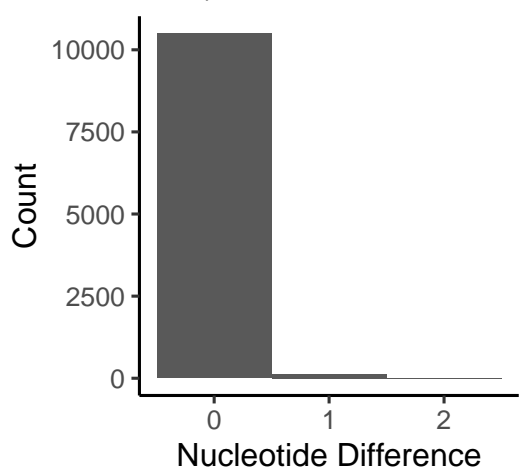
TRBV4-2*ap01

2518 sequences assigned
2480 (98.5%) exact matches, in which:
2438 unique CDR3
13 unique J



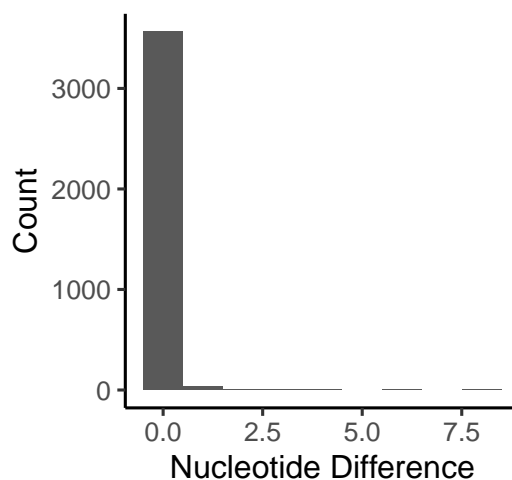
TRBV12-34*ap01

10638 sequences assigned
10497 (98.7%) exact matches, in which:
10321 unique CDR3
13 unique J



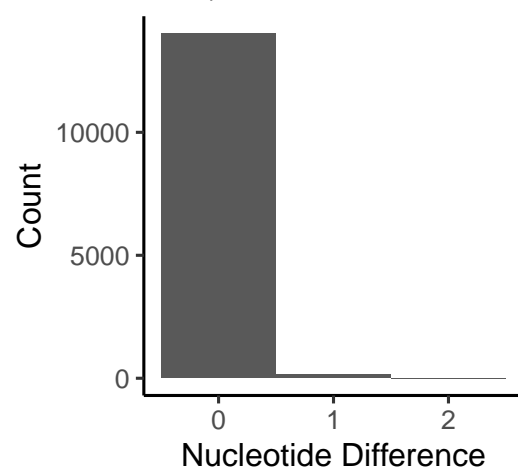
TRBV24-1*ap01

3611 sequences assigned
3564 (98.7%) exact matches, in which:
3518 unique CDR3
13 unique J



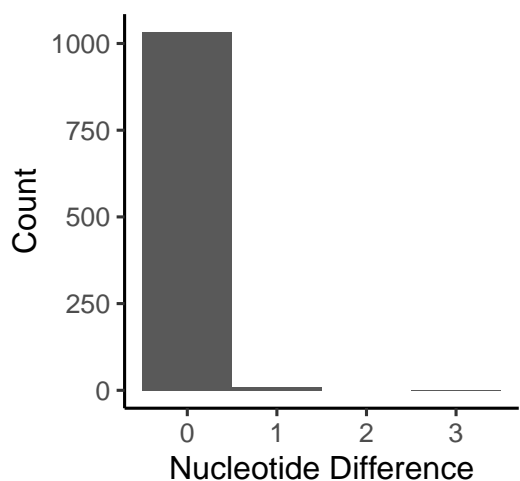
TRBV5-1*ap01

14184 sequences assigned
14020 (98.8%) exact matches, in which:
13701 unique CDR3
13 unique J



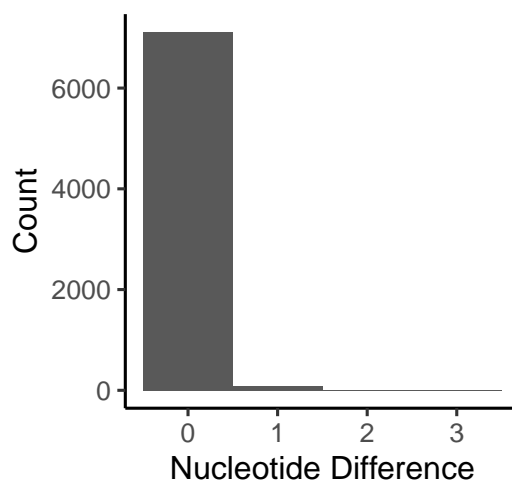
TRBV23-1*ap01

1044 sequences assigned
1033 (98.9%) exact matches, in which:
1018 unique CDR3
13 unique J



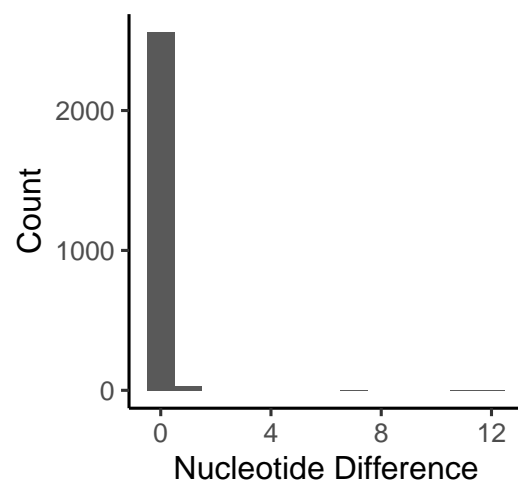
TRBV4-1*ap01

7201 sequences assigned
7112 (98.8%) exact matches, in which:
6961 unique CDR3
13 unique J



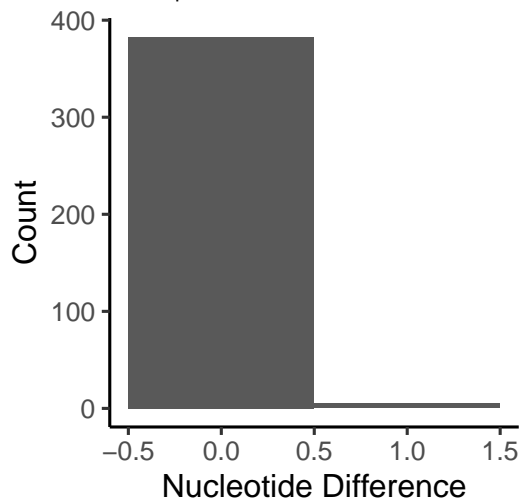
TRBV25-1*ap01

2593 sequences assigned
2561 (98.8%) exact matches, in which:
2516 unique CDR3
13 unique J



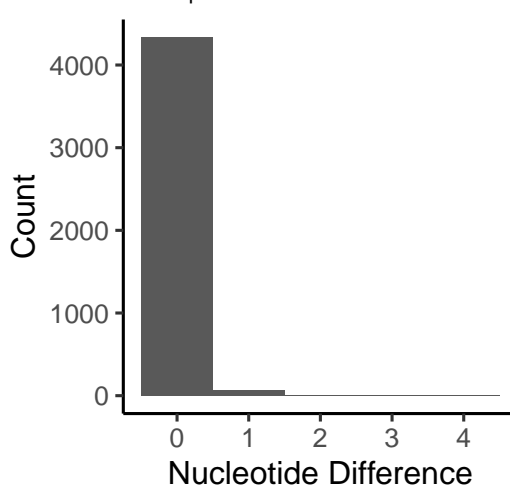
TRBV5-3*ap01

388 sequences assigned
383 (98.7%) exact matches, in which:
378 unique CDR3
13 unique J



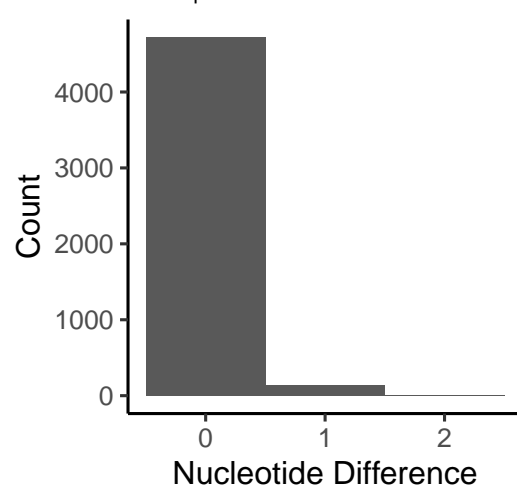
TRBV5-6*ap01

4400 sequences assigned
4334 (98.5%) exact matches, in which:
4222 unique CDR3
13 unique J



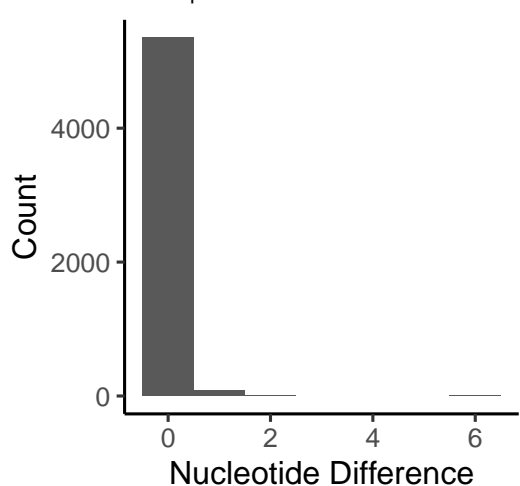
TRBV6-1*ap01

4860 sequences assigned
4719 (97.1%) exact matches, in which:
4586 unique CDR3
13 unique J



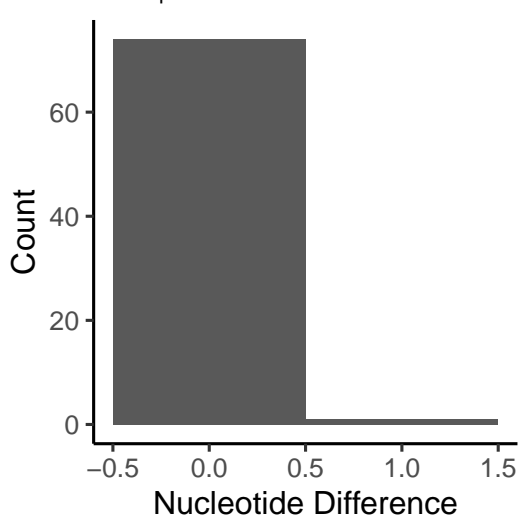
TRBV5-4*ap01

5431 sequences assigned
5351 (98.5%) exact matches, in which:
5245 unique CDR3
13 unique J



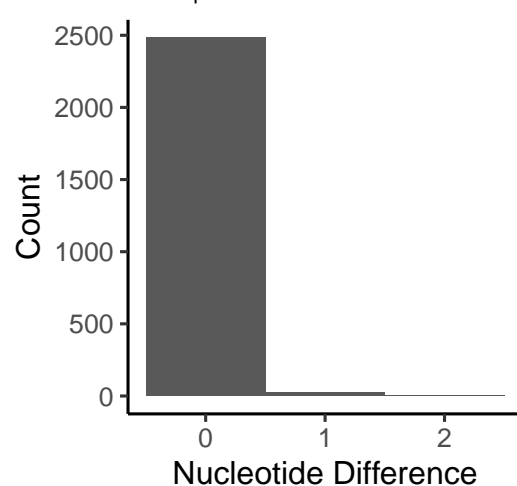
TRBV5-7*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
73 unique CDR3
13 unique J



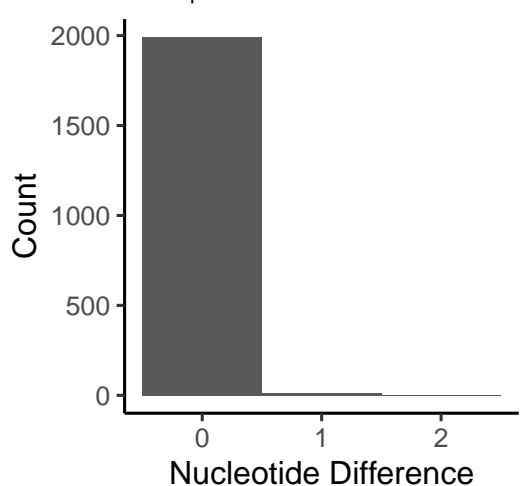
TRBV6-4*ap01

2505 sequences assigned
2483 (99.1%) exact matches, in which:
2454 unique CDR3
13 unique J



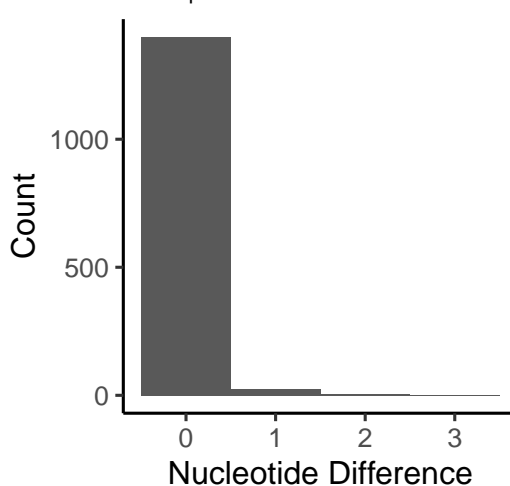
TRBV5-5*ap01

2007 sequences assigned
1992 (99.3%) exact matches, in which:
1965 unique CDR3
13 unique J



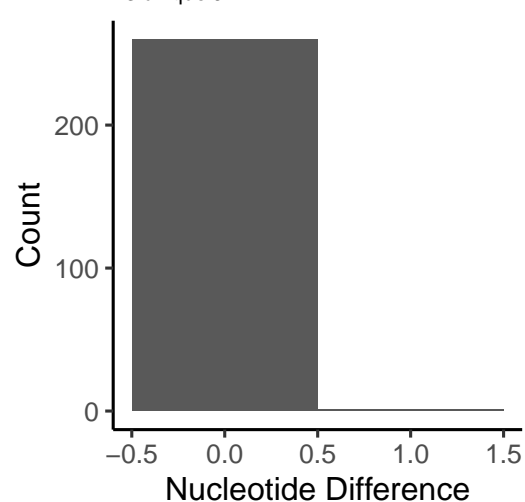
TRBV5-8*ap01

1429 sequences assigned
1399 (97.9%) exact matches, in which:
1370 unique CDR3
13 unique J



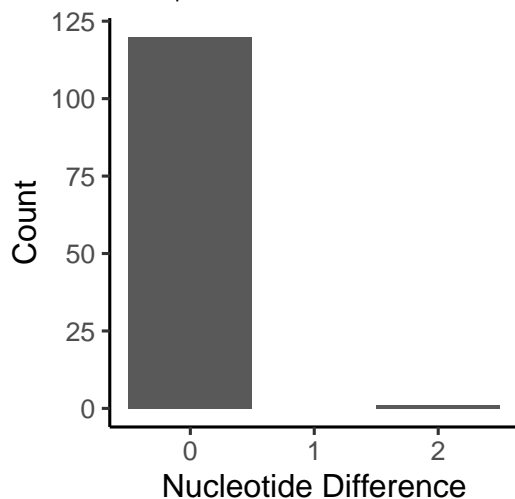
TRBV6-7*ap01

261 sequences assigned
260 (99.6%) exact matches, in which:
257 unique CDR3
13 unique J



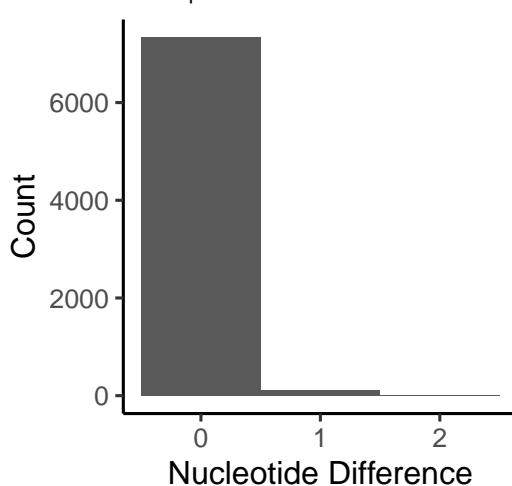
TRBV6-8*ap01

121 sequences assigned
120 (99.2%) exact matches, in which:
118 unique CDR3
13 unique J



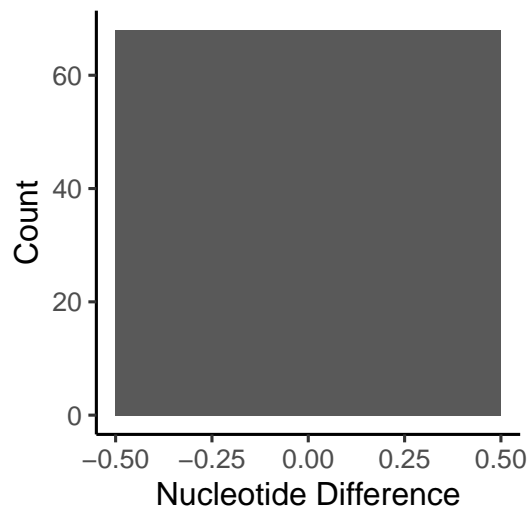
TRBV6-56*ap01

7442 sequences assigned
7334 (98.5%) exact matches, in which:
7189 unique CDR3
13 unique J



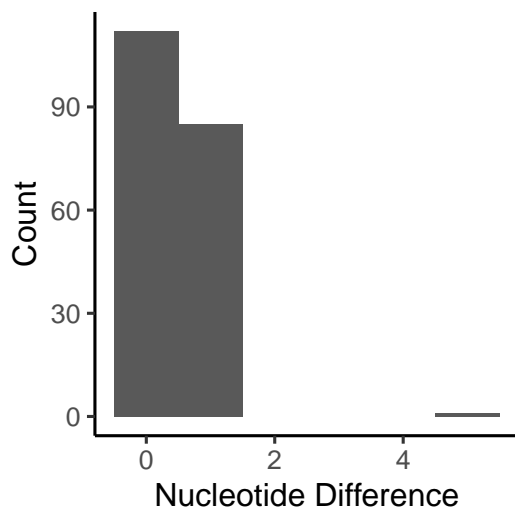
TRBV7-1*ap01_G291C_T

68 sequences assigned
68 (100%) exact matches, in which:
67 unique CDR3
12 unique J



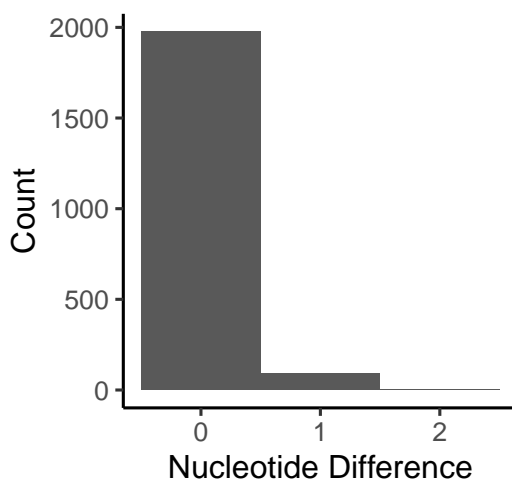
TRBV6-9*ap01

198 sequences assigned
112 (56.6%) exact matches, in which:
110 unique CDR3
13 unique J



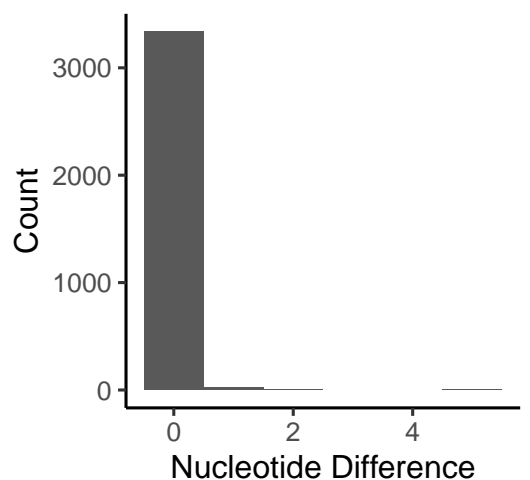
TRBV6-56*ap02

2067 sequences assigned
1976 (95.6%) exact matches, in which:
1936 unique CDR3
13 unique J



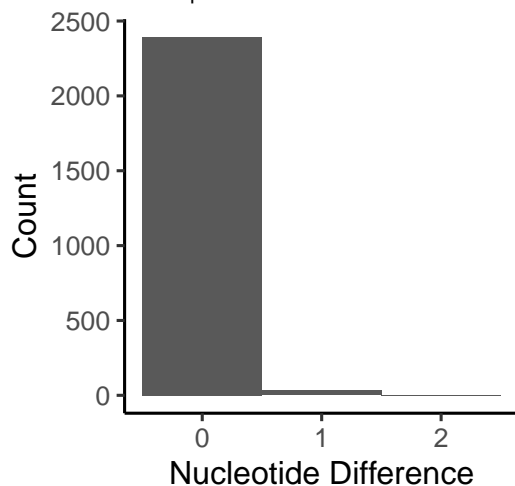
TRBV7-2*ap01

3364 sequences assigned
3336 (99.2%) exact matches, in which:
3260 unique CDR3
13 unique J



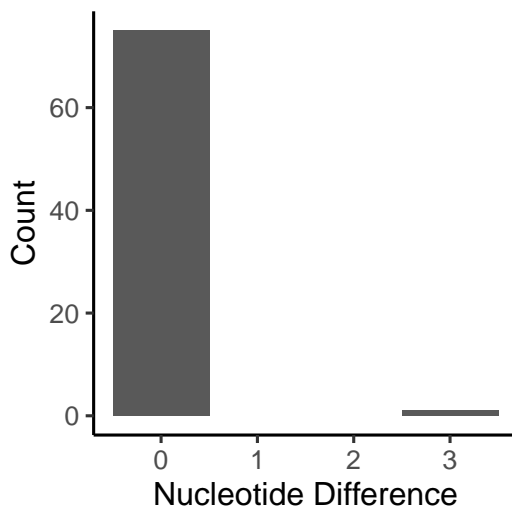
TRBV6-23*ap01

2428 sequences assigned
2393 (98.6%) exact matches, in which:
2336 unique CDR3
13 unique J



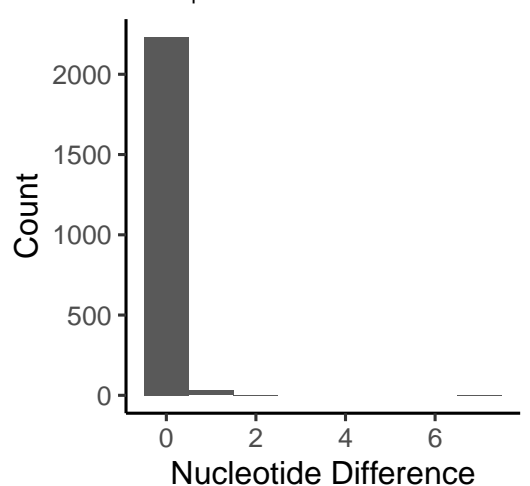
TRBV7-1*ap01_G291C_T

76 sequences assigned
75 (98.7%) exact matches, in which:
75 unique CDR3
11 unique J



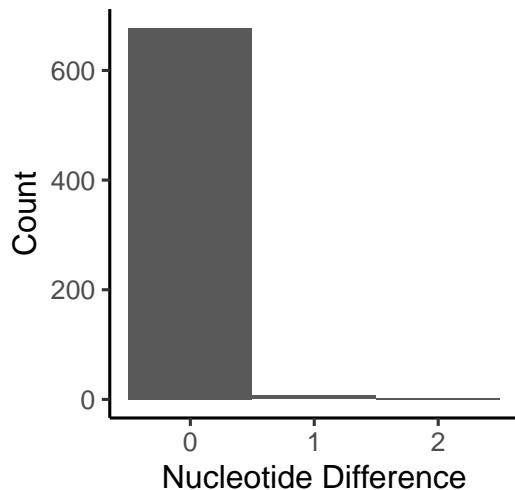
TRBV7-3*ap01

2264 sequences assigned
2232 (98.6%) exact matches, in which:
2191 unique CDR3
13 unique J



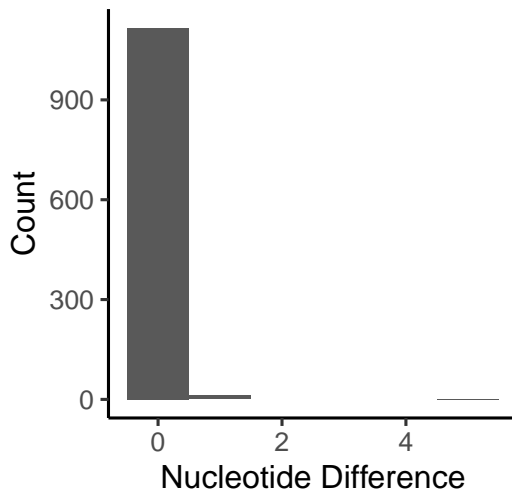
TRBV7-3*ap03

687 sequences assigned
678 (98.7%) exact matches, in which:
666 unique CDR3
13 unique J



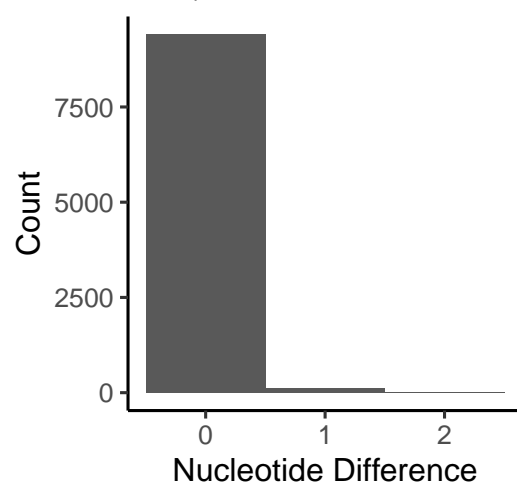
TRBV7-7*ap01_C315T

1130 sequences assigned
1117 (98.8%) exact matches, in which:
1094 unique CDR3
13 unique J



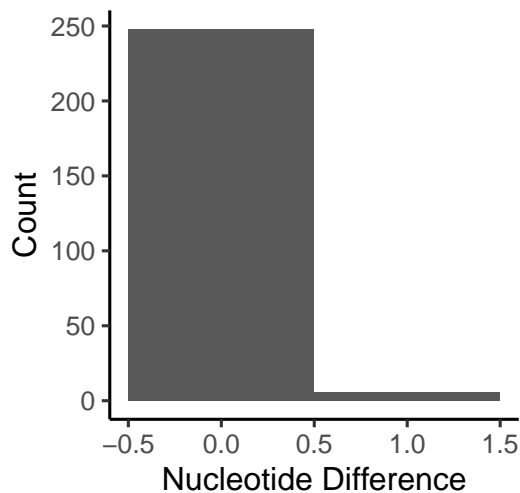
TRBV7-9*ap01

9515 sequences assigned
9405 (98.8%) exact matches, in which:
9235 unique CDR3
13 unique J



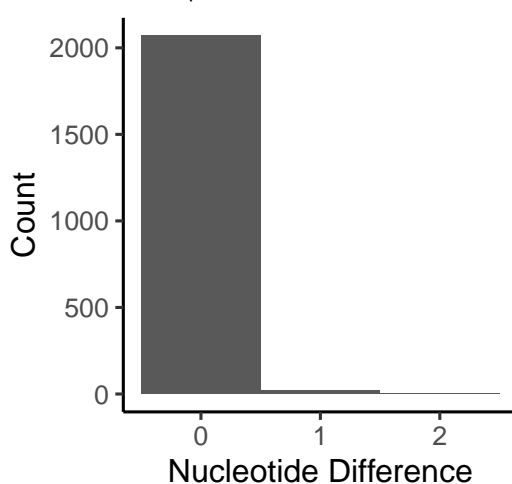
TRBV7-4*ap01

254 sequences assigned
248 (97.6%) exact matches, in which:
247 unique CDR3
13 unique J



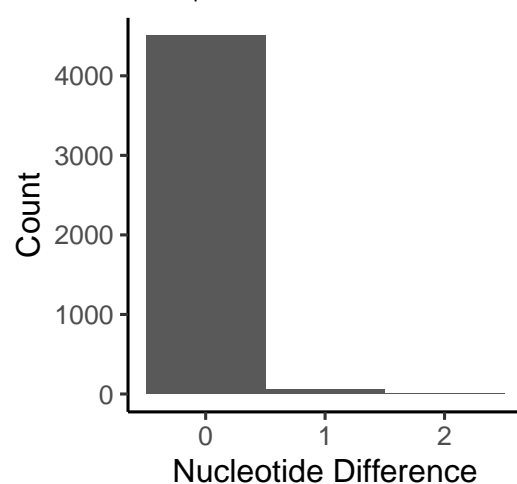
TRBV7-8*ap01

2095 sequences assigned
2070 (98.8%) exact matches, in which:
2016 unique CDR3
13 unique J



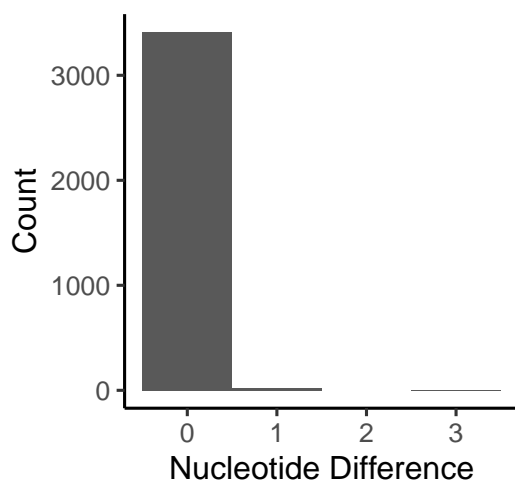
TRBV29-1*ap01

4563 sequences assigned
4504 (98.7%) exact matches, in which:
4415 unique CDR3
13 unique J



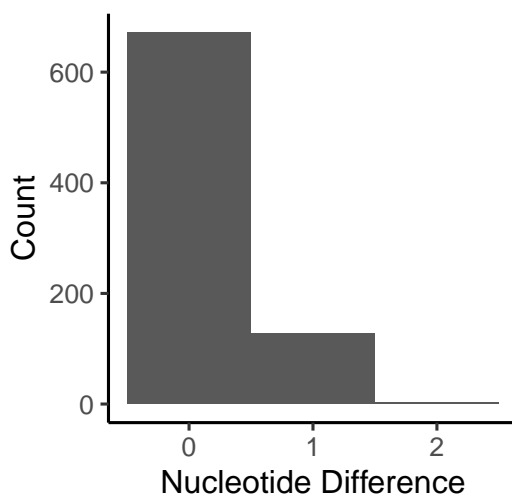
TRBV7-6*ap01

3438 sequences assigned
3412 (99.2%) exact matches, in which:
3343 unique CDR3
13 unique J



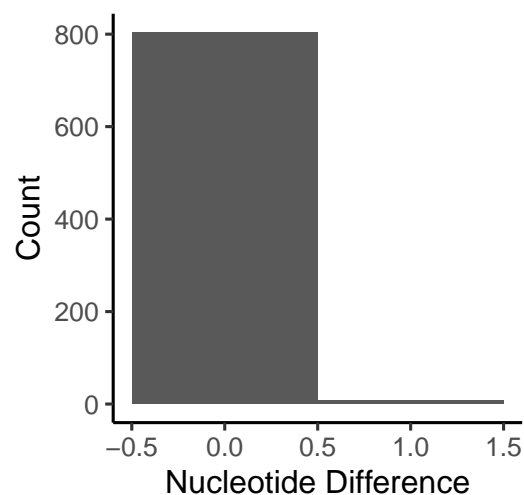
TRBV7-8*ap03

802 sequences assigned
672 (83.8%) exact matches, in which:
659 unique CDR3
13 unique J

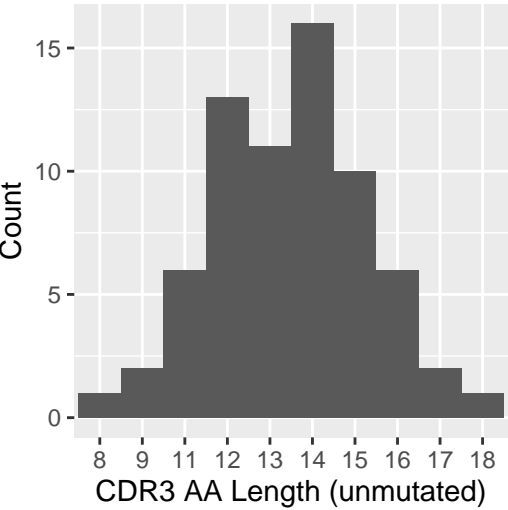


TRBV29-1*ap02

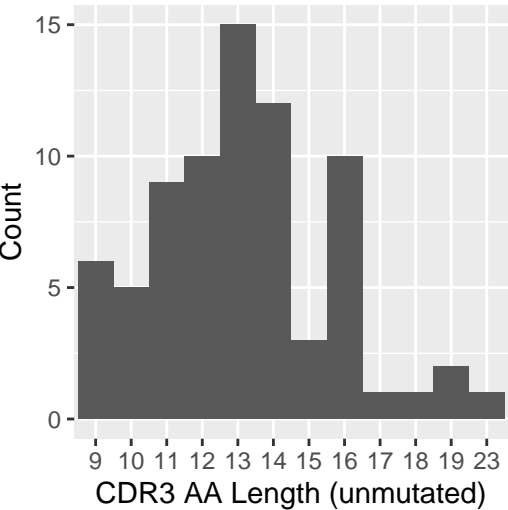
811 sequences assigned
804 (99.1%) exact matches, in which:
791 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

