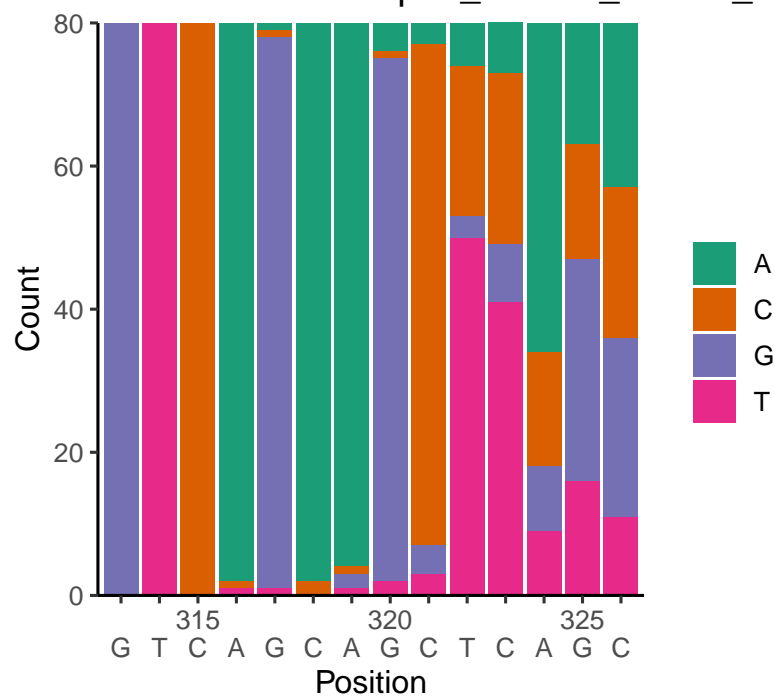
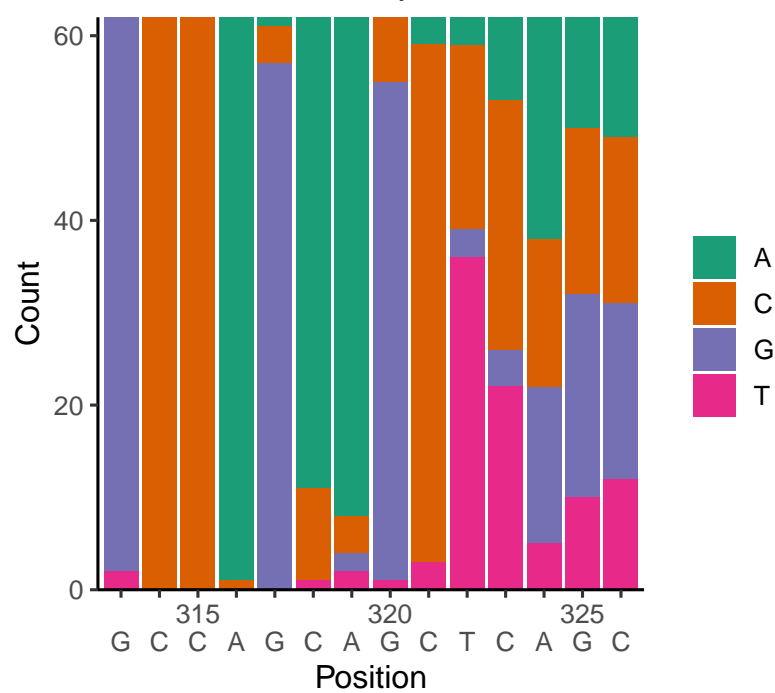


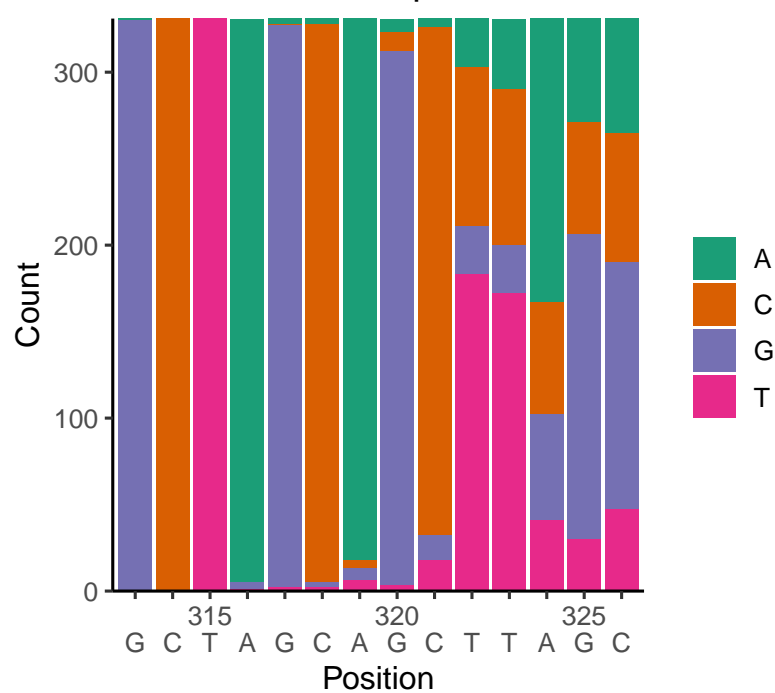
Gene TRBV7-1*ap01_G291C_T296C_C314T



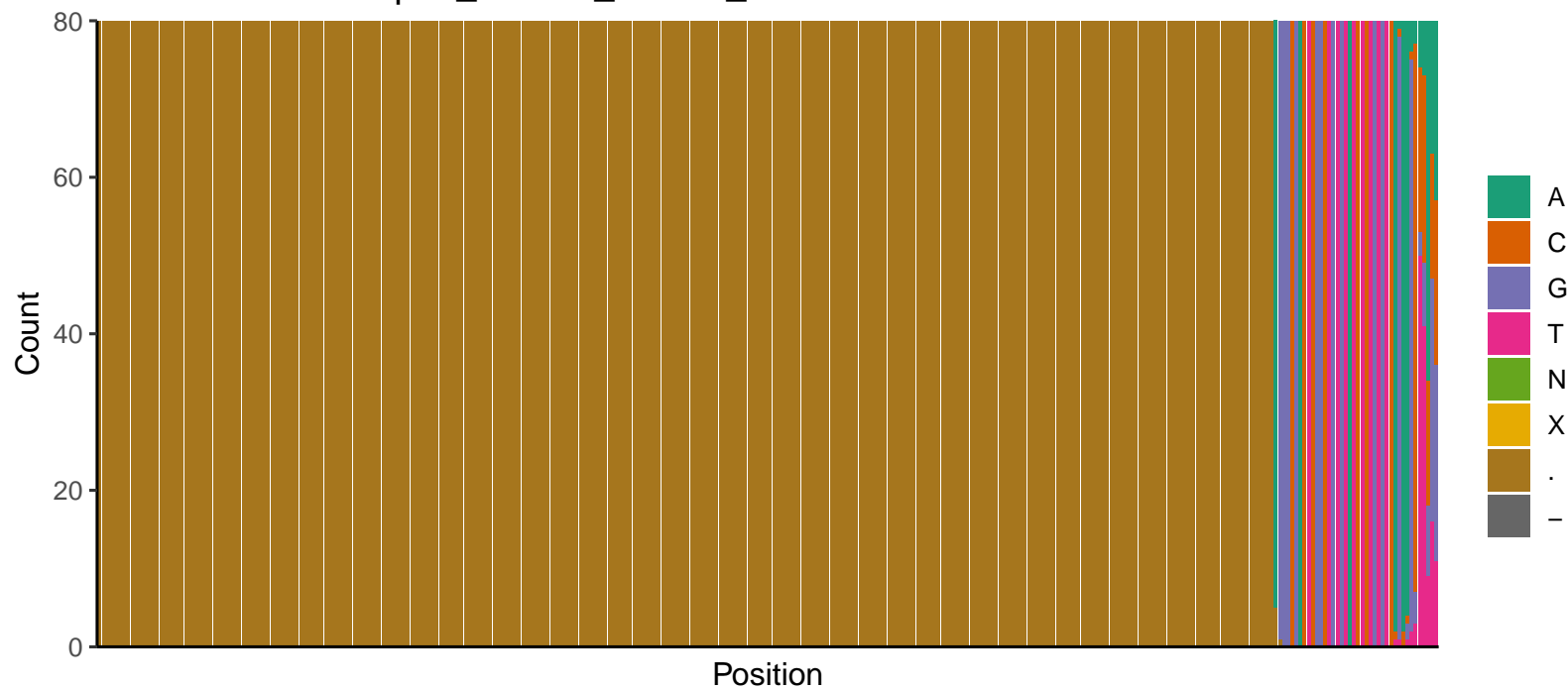
Gene TRBV7-1*ap01_G291C_T296C



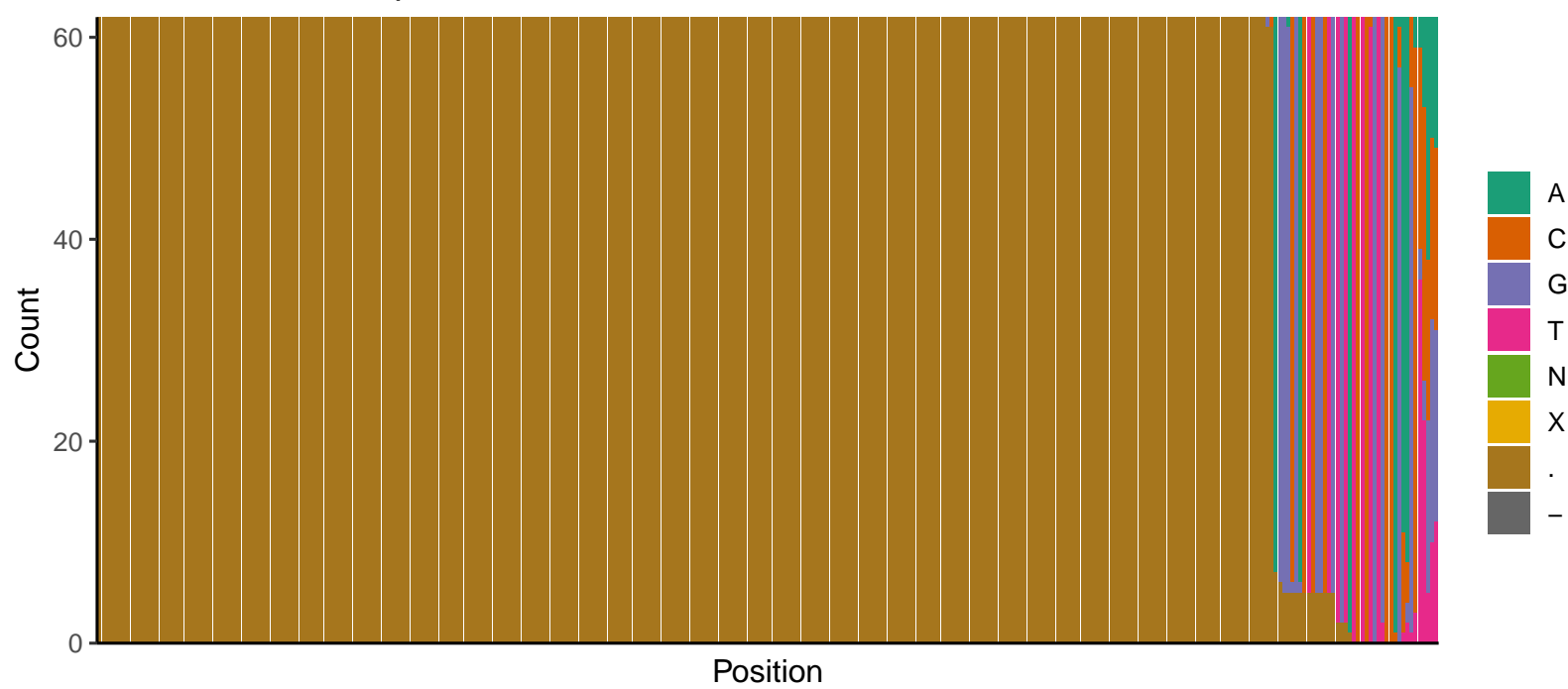
Gene TRBV7-7*ap01_C315T



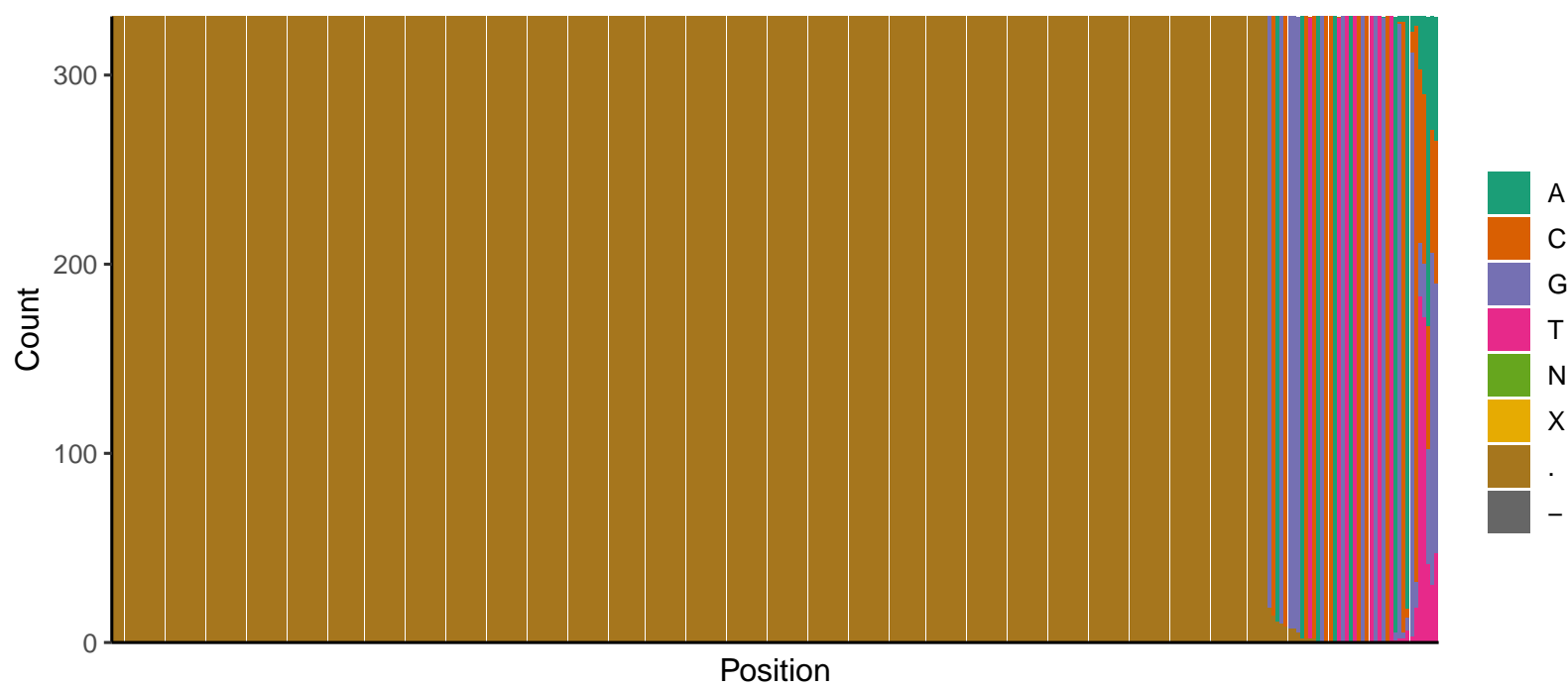
Gene TRBV7-1*ap01_G291C_T296C_C314T



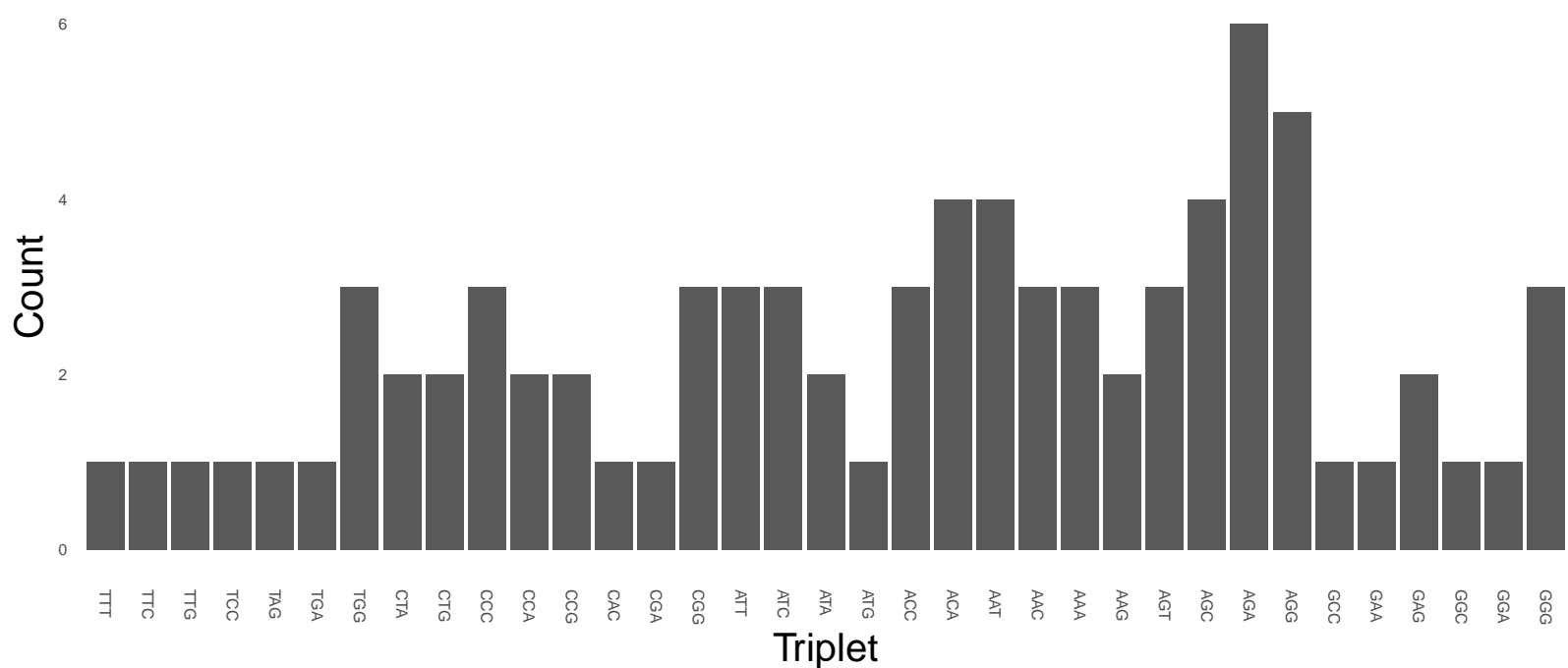
Gene TRBV7-1*ap01_G291C_T296C



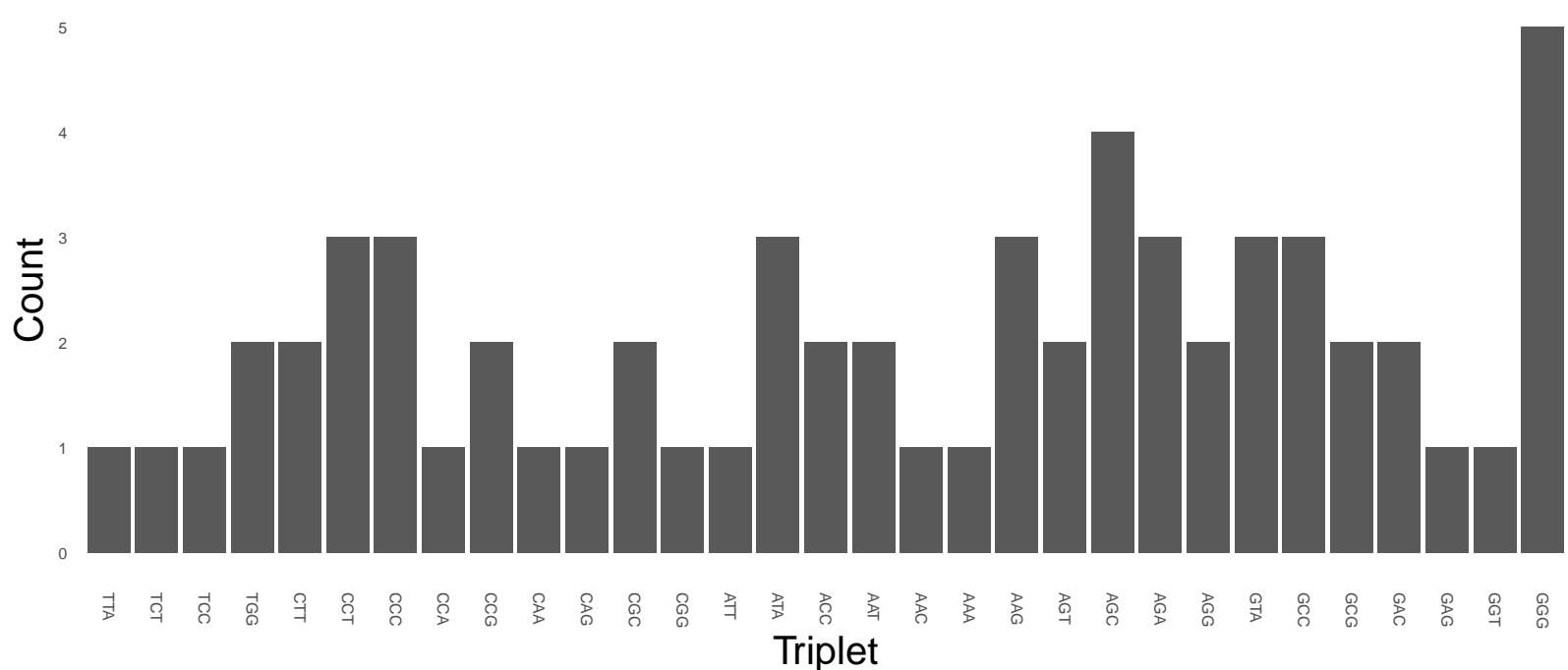
Gene TRBV7-7*ap01_C315T



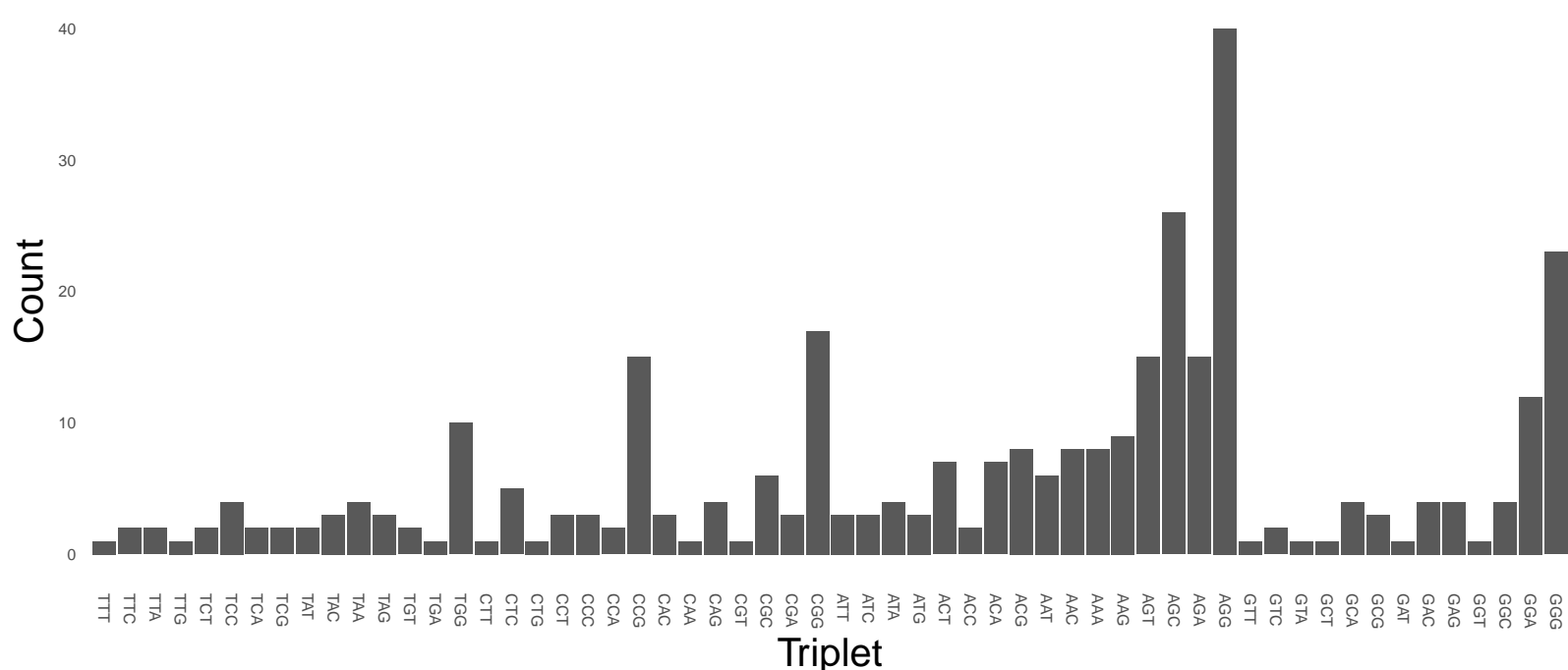
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

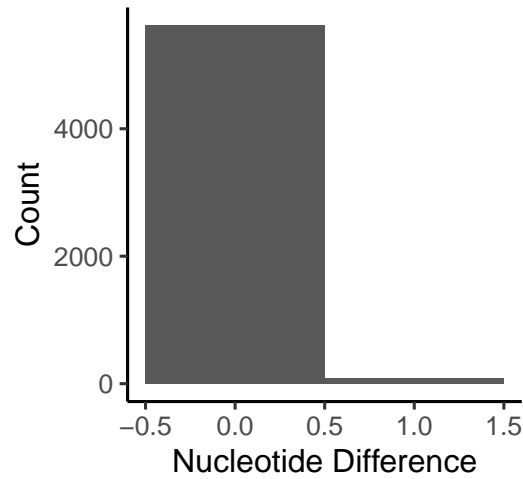


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



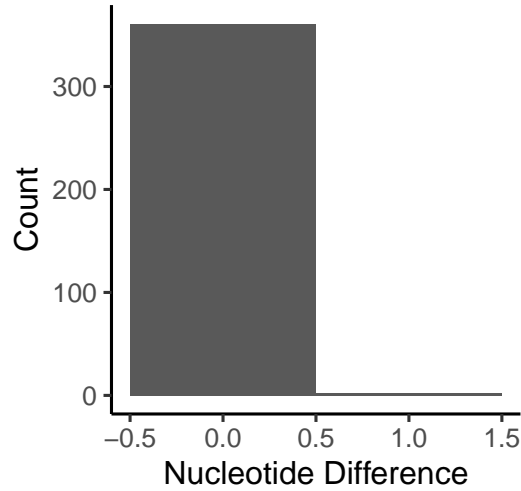
TRBV20-1*ap01

5704 sequences assigned
5622 (98.6%) exact matches, in which:
5460 unique CDR3
13 unique J



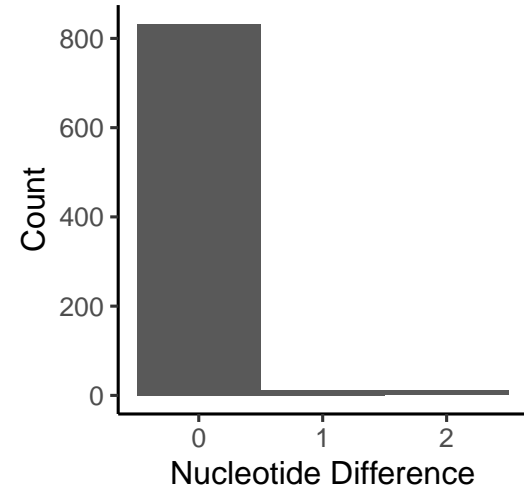
TRBV10-2*ap01

363 sequences assigned
361 (99.4%) exact matches, in which:
353 unique CDR3
13 unique J



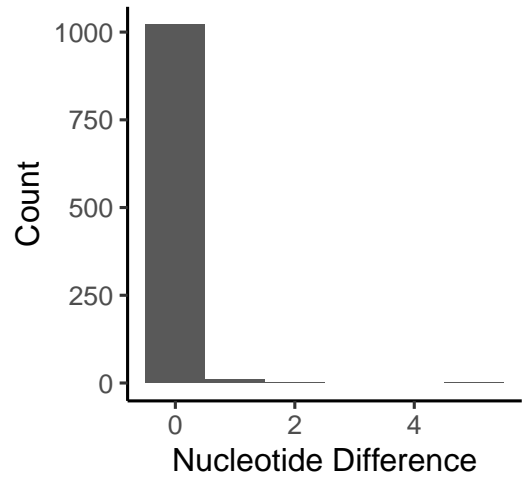
TRBV13*ap01

856 sequences assigned
833 (97.3%) exact matches, in which:
809 unique CDR3
13 unique J



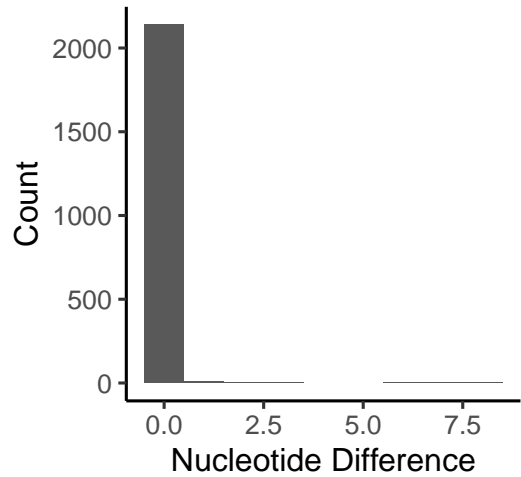
TRBV10-1*ap01

1033 sequences assigned
1021 (98.8%) exact matches, in which:
982 unique CDR3
13 unique J



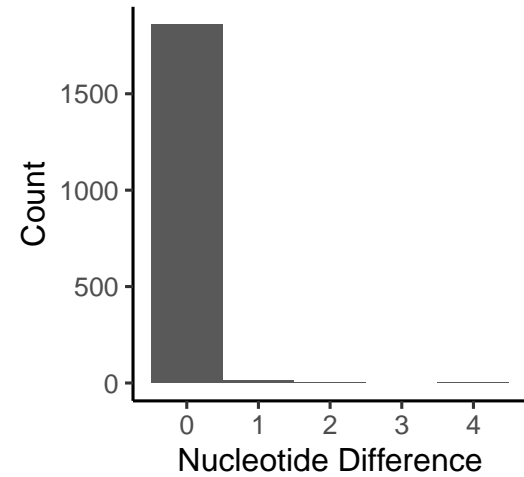
TRBV10-3*ap01

2155 sequences assigned
2139 (99.3%) exact matches, in which:
2054 unique CDR3
13 unique J



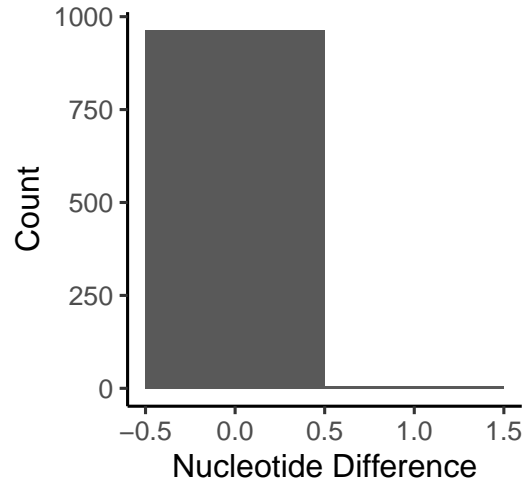
TRBV14*ap01

1872 sequences assigned
1858 (99.3%) exact matches, in which:
1800 unique CDR3
13 unique J



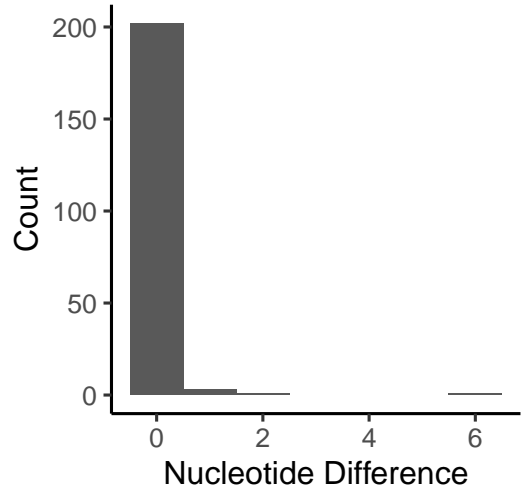
TRBV20-1*ap02

970 sequences assigned
964 (99.4%) exact matches, in which:
943 unique CDR3
13 unique J



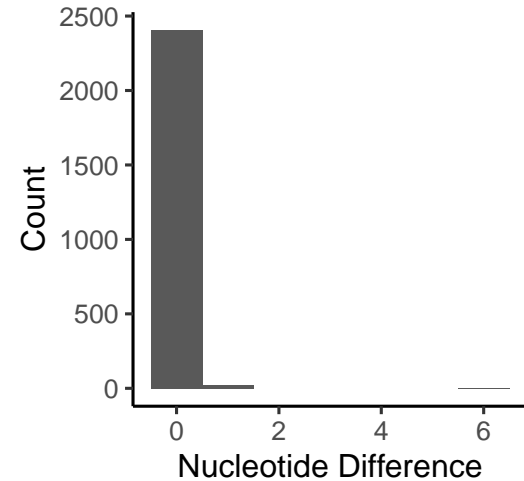
TRBV1*ap01

207 sequences assigned
202 (97.6%) exact matches, in which:
193 unique CDR3
12 unique J



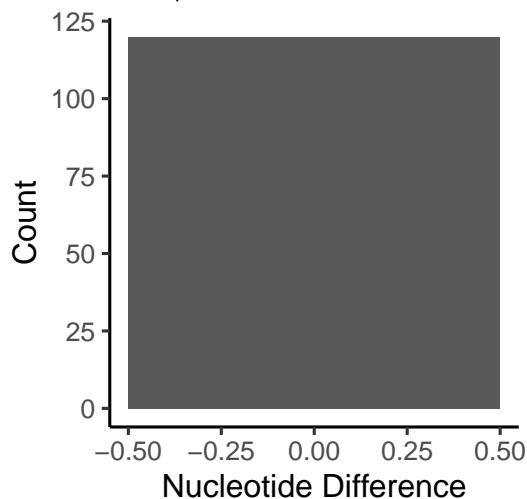
TRBV15*ap02

2428 sequences assigned
2406 (99.1%) exact matches, in which:
2324 unique CDR3
13 unique J



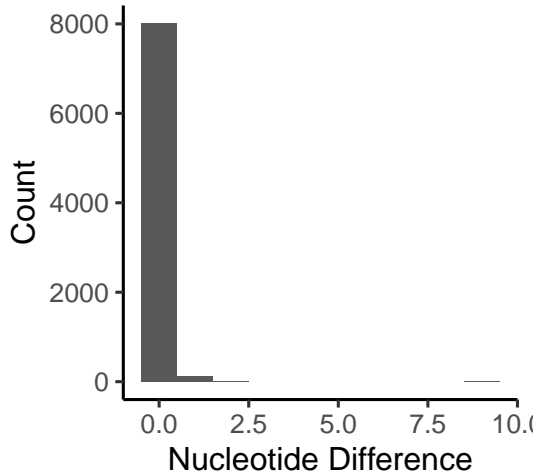
TRBV16*ap01

120 sequences assigned
120 (100%) exact matches, in which:
118 unique CDR3
13 unique J



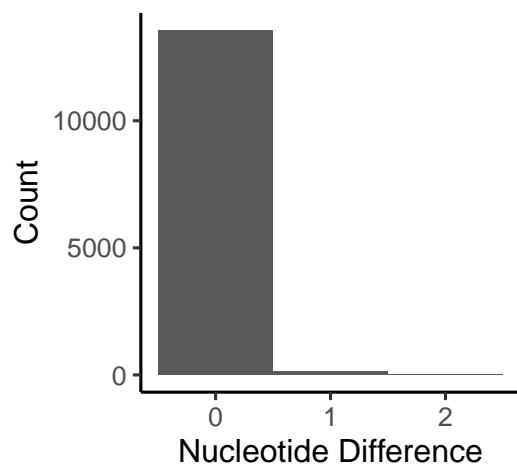
TRBV19*ap01

8129 sequences assigned
8011 (98.5%) exact matches, in which:
7837 unique CDR3
13 unique J



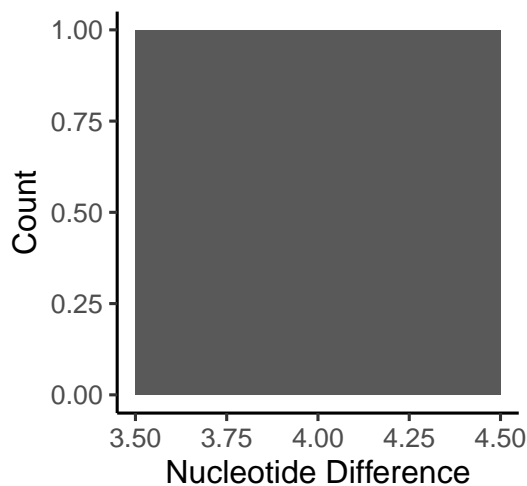
TRBV28*ap01

13725 sequences assigned
13566 (98.8%) exact matches, in which:
13110 unique CDR3
13 unique J



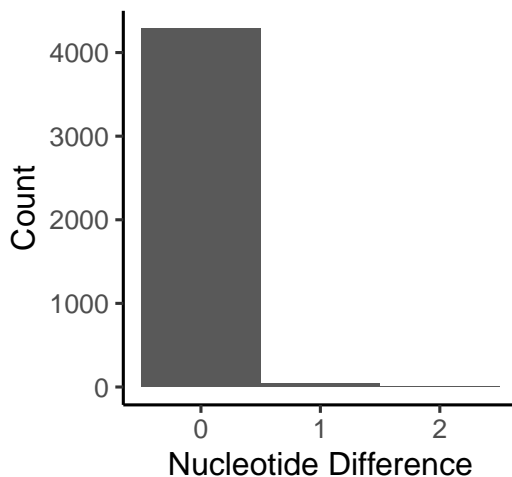
TRBV17*ap01

1 sequences assigned
No exact matches.



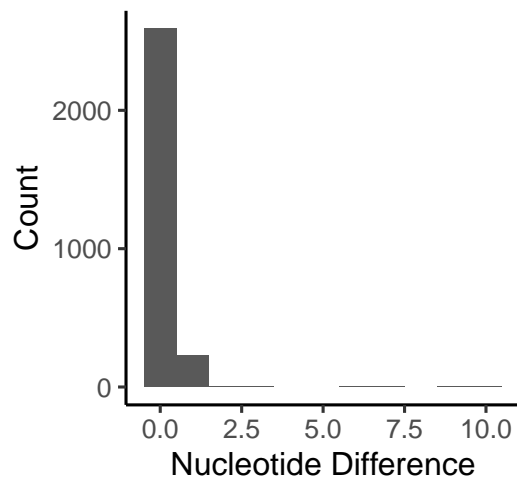
TRBV2*ap01

4327 sequences assigned
4285 (99%) exact matches, in which:
4158 unique CDR3
13 unique J



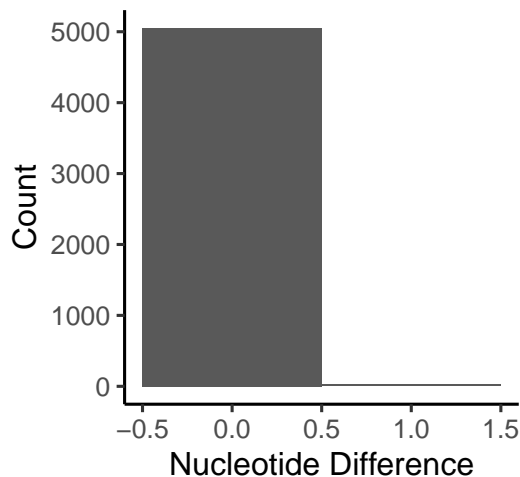
TRBV30*ap01

2830 sequences assigned
2590 (91.5%) exact matches, in which:
2542 unique CDR3
13 unique J



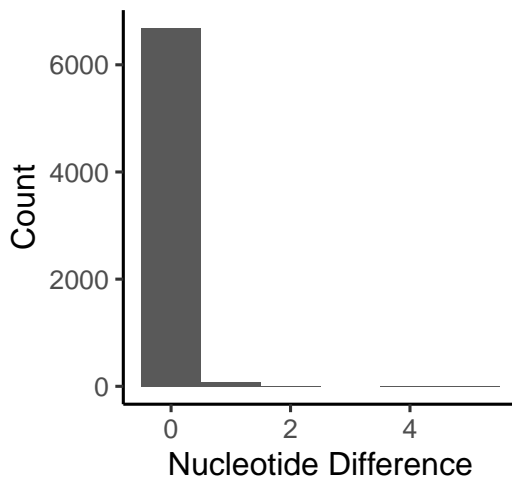
TRBV18*ap01

5079 sequences assigned
5052 (99.5%) exact matches, in which:
4930 unique CDR3
13 unique J



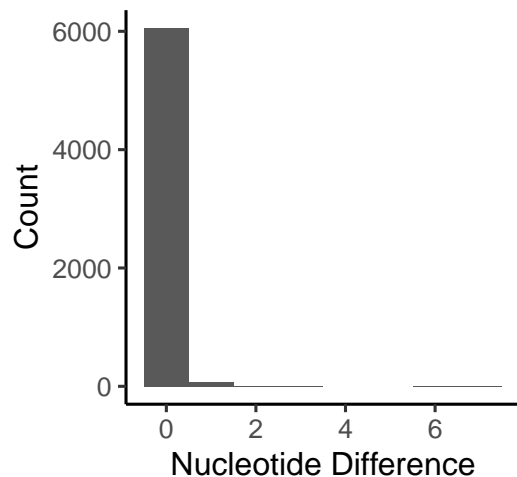
TRBV27*ap01

6774 sequences assigned
6686 (98.7%) exact matches, in which:
6448 unique CDR3
13 unique J



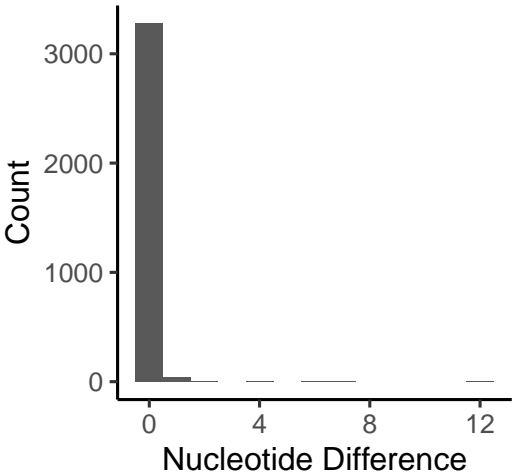
TRBV9*ap01

6130 sequences assigned
6055 (98.8%) exact matches, in which:
5870 unique CDR3
13 unique J



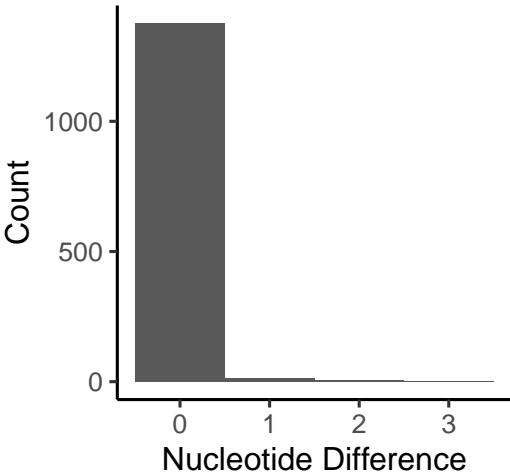
TRBV21-1*ap01

3326 sequences assigned
3278 (98.6%) exact matches, in which:
3182 unique CDR3
13 unique J



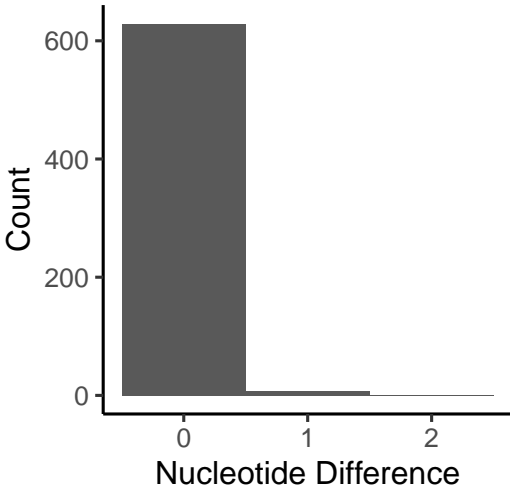
TRBV11-3*ap01

1396 sequences assigned
1376 (98.6%) exact matches, in which:
1348 unique CDR3
13 unique J



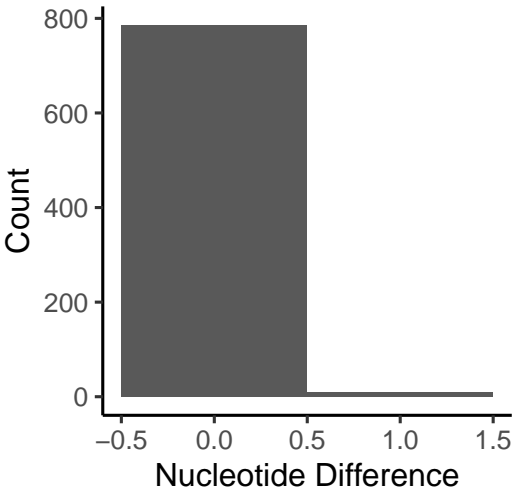
TRBV12-5*ap01

637 sequences assigned
629 (98.7%) exact matches, in which:
610 unique CDR3
13 unique J



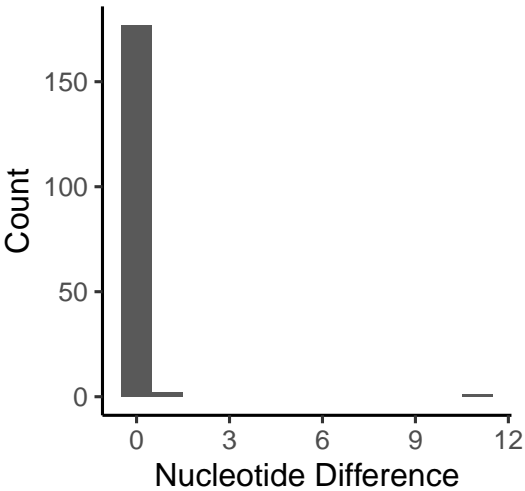
TRBV11-1*ap01

795 sequences assigned
786 (98.9%) exact matches, in which:
763 unique CDR3
13 unique J



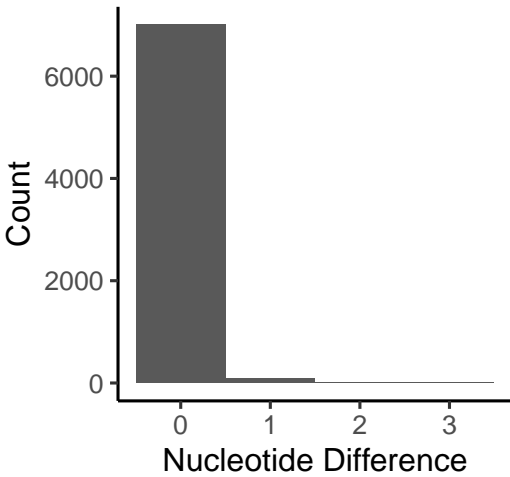
TRBV12-1*ap01

180 sequences assigned
177 (98.3%) exact matches, in which:
170 unique CDR3
13 unique J



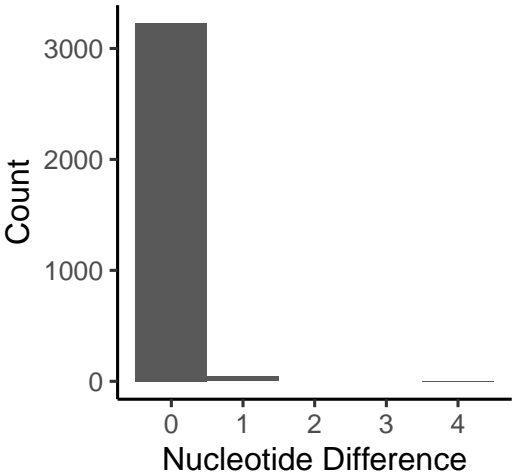
TRBV12-34*ap01

7101 sequences assigned
7006 (98.7%) exact matches, in which:
6792 unique CDR3
13 unique J



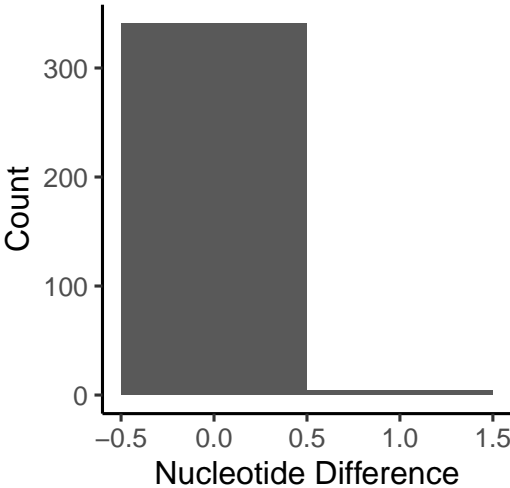
TRBV11-2*ap01

3274 sequences assigned
3229 (98.6%) exact matches, in which:
3102 unique CDR3
13 unique J



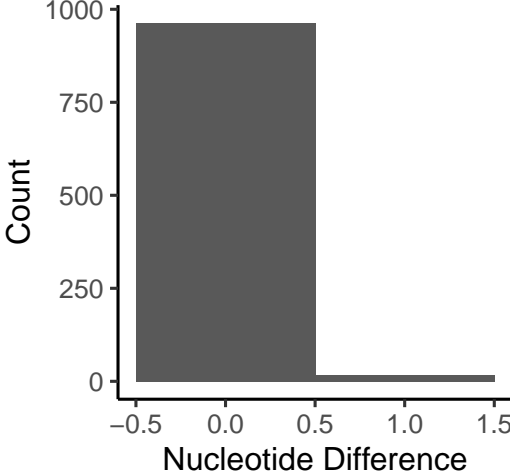
TRBV12-2*ap01

345 sequences assigned
341 (98.8%) exact matches, in which:
324 unique CDR3
13 unique J



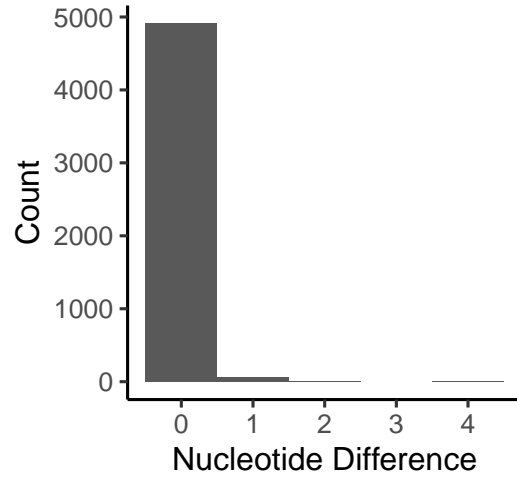
TRBV23-1*ap01

980 sequences assigned
963 (98.3%) exact matches, in which:
921 unique CDR3
13 unique J



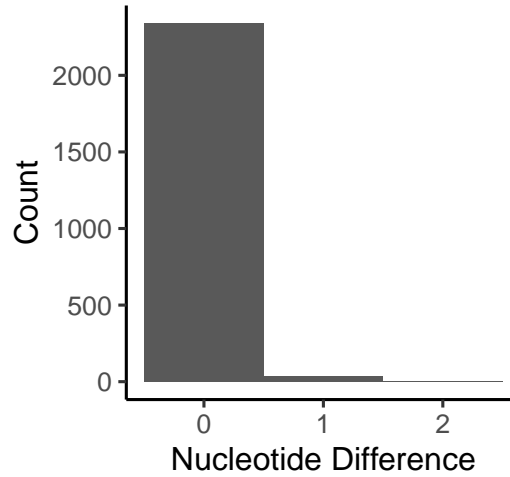
TRBV3-12*ap01

4975 sequences assigned
4912 (98.7%) exact matches, in which:
4752 unique CDR3
13 unique J



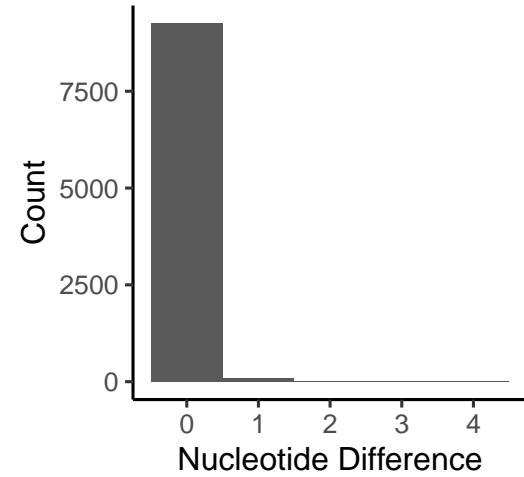
TRBV4-2*ap01

2379 sequences assigned
2339 (98.3%) exact matches, in which:
2275 unique CDR3
13 unique J



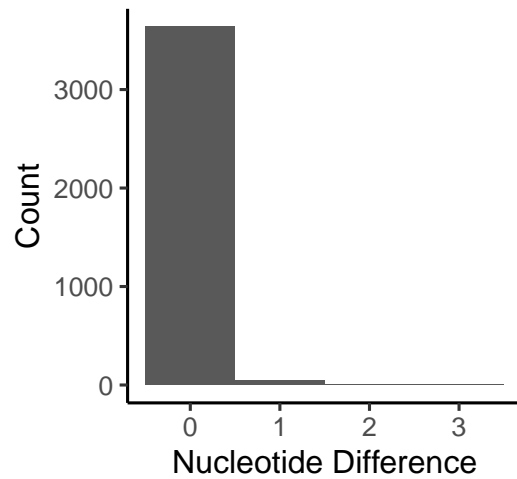
TRBV5-1*ap01

9361 sequences assigned
9252 (98.8%) exact matches, in which:
8940 unique CDR3
13 unique J



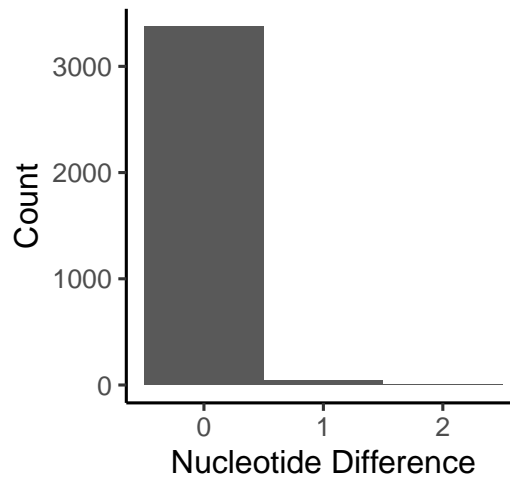
TRBV24-1*ap01

3685 sequences assigned
3638 (98.7%) exact matches, in which:
3578 unique CDR3
13 unique J



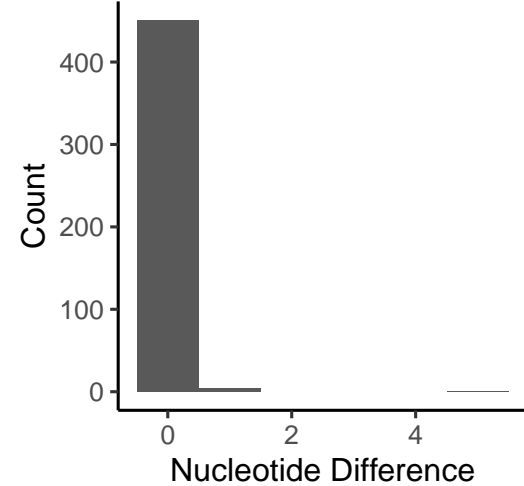
TRBV4-3*ap01

3418 sequences assigned
3373 (98.7%) exact matches, in which:
3269 unique CDR3
13 unique J



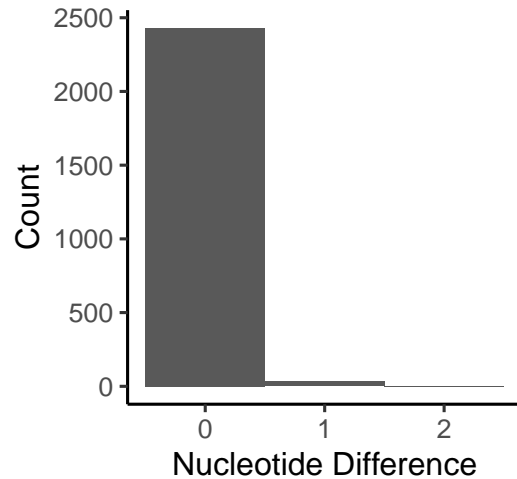
TRBV5-3*ap01

456 sequences assigned
451 (98.9%) exact matches, in which:
437 unique CDR3
13 unique J



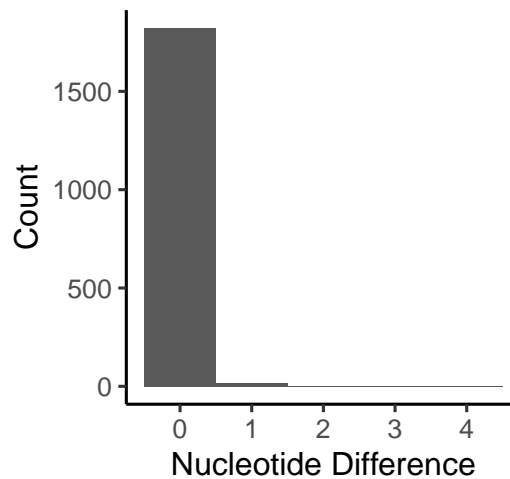
TRBV4-1*ap01

2464 sequences assigned
2430 (98.6%) exact matches, in which:
2364 unique CDR3
13 unique J



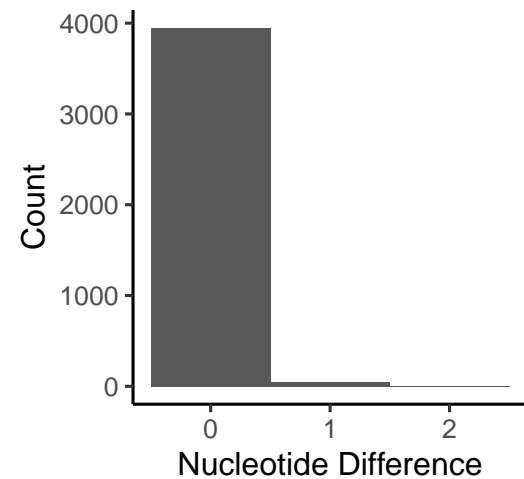
TRBV25-1*ap01

1843 sequences assigned
1822 (98.9%) exact matches, in which:
1782 unique CDR3
13 unique J



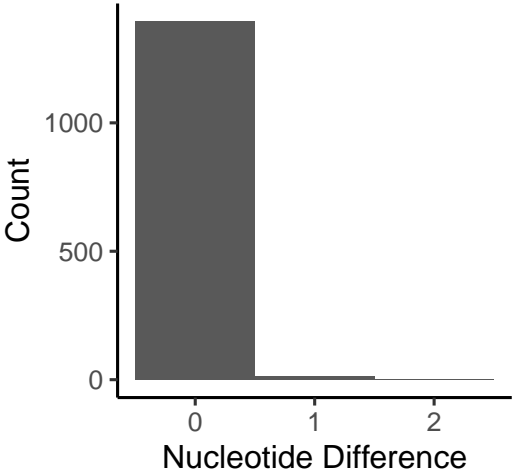
TRBV5-4*ap01

3996 sequences assigned
3946 (98.7%) exact matches, in which:
3818 unique CDR3
13 unique J



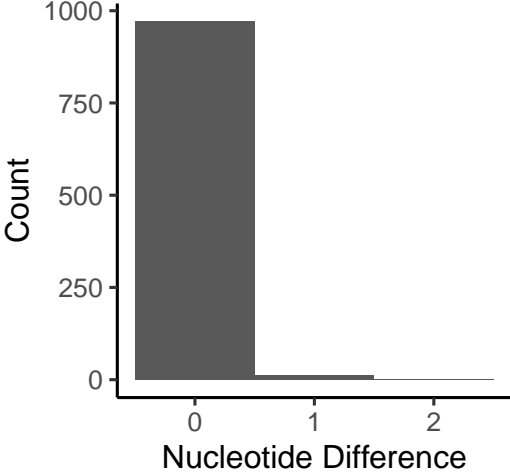
TRBV5-5*ap01

1411 sequences assigned
1395 (98.9%) exact matches, in which:
1368 unique CDR3
13 unique J



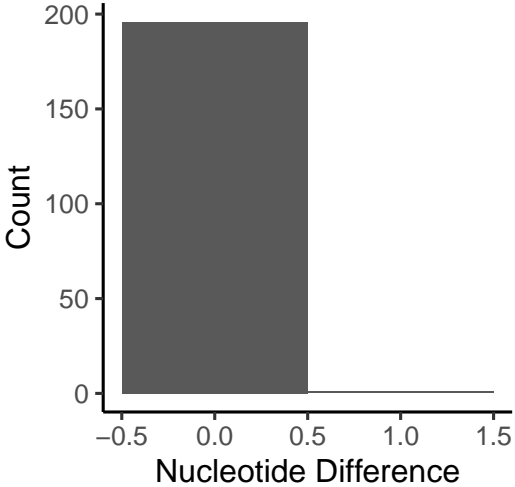
TRBV5-8*ap01

984 sequences assigned
971 (98.7%) exact matches, in which:
945 unique CDR3
13 unique J



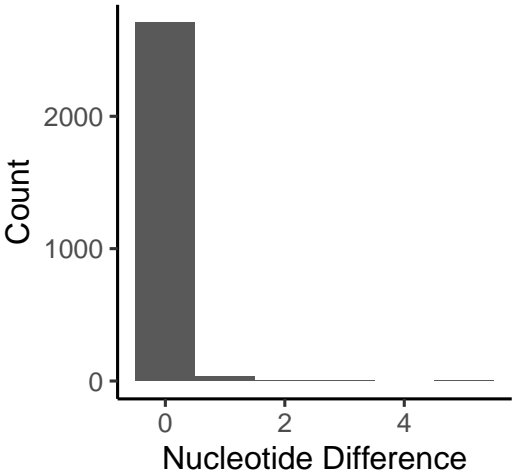
TRBV6-7*ap01

197 sequences assigned
196 (99.5%) exact matches, in which:
189 unique CDR3
13 unique J



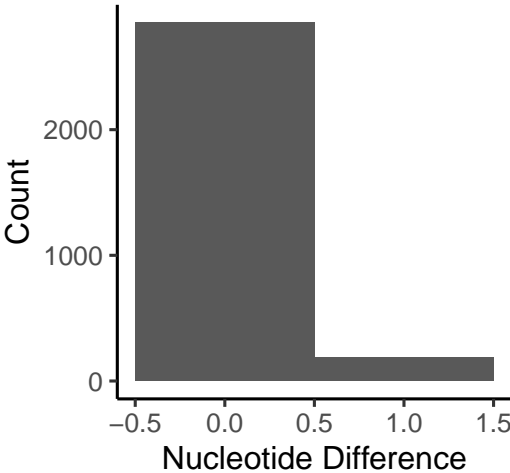
TRBV5-6*ap01

2743 sequences assigned
2707 (98.7%) exact matches, in which:
2622 unique CDR3
13 unique J



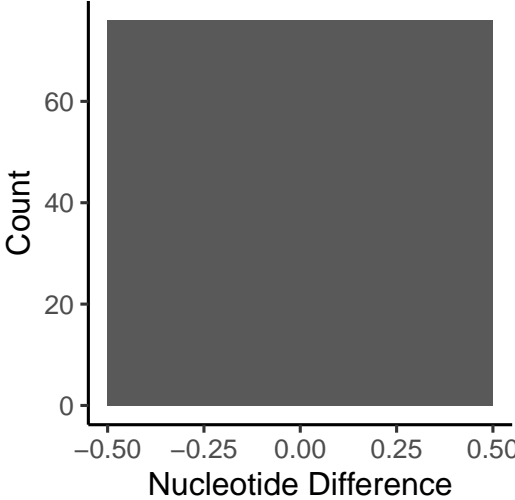
TRBV6-1*ap01

3038 sequences assigned
2851 (93.8%) exact matches, in which:
2781 unique CDR3
13 unique J



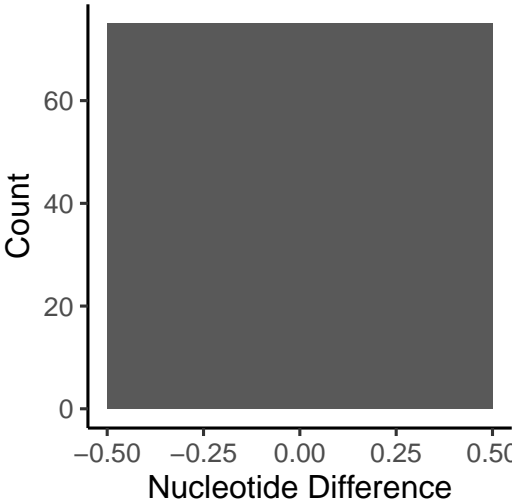
TRBV6-8*ap01

76 sequences assigned
76 (100%) exact matches, in which:
75 unique CDR3
13 unique J



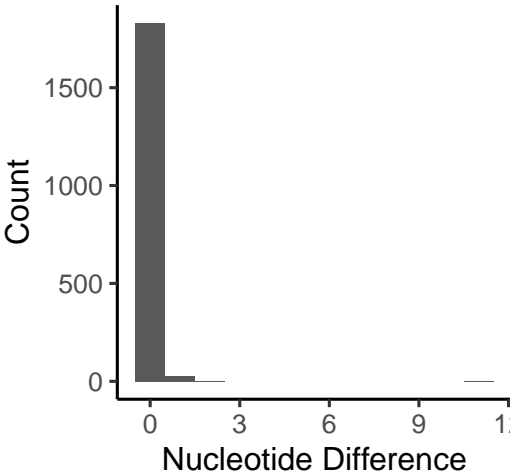
TRBV5-7*ap01

75 sequences assigned
75 (100%) exact matches, in which:
74 unique CDR3
13 unique J



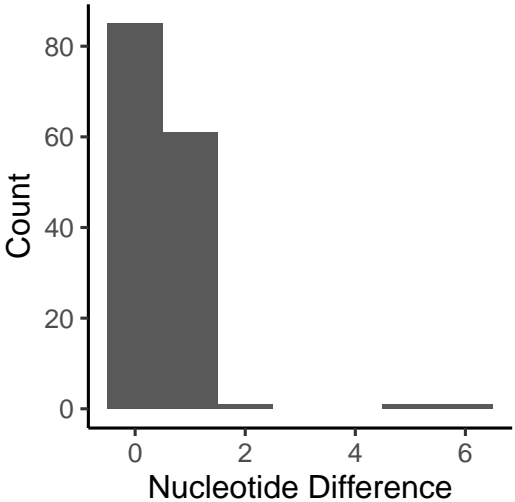
TRBV6-4*ap01

1863 sequences assigned
1830 (98.2%) exact matches, in which:
1788 unique CDR3
13 unique J



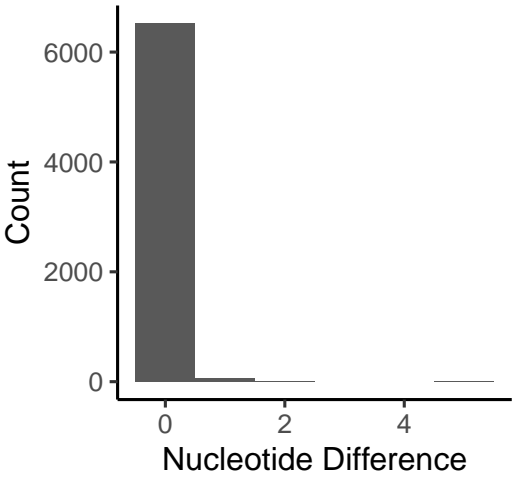
TRBV6-9*ap01

149 sequences assigned
85 (57%) exact matches, in which:
82 unique CDR3
13 unique J



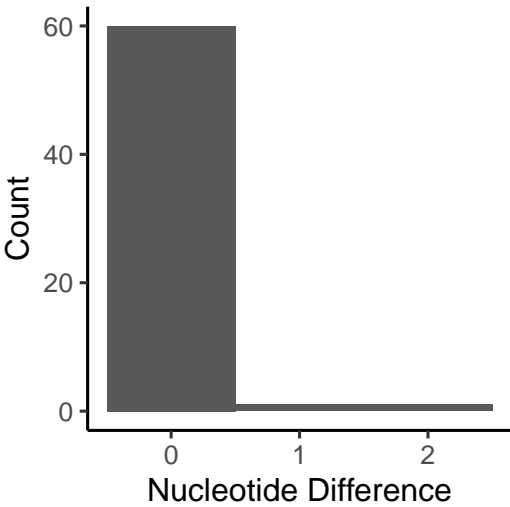
TRBV6-23*ap01

6600 sequences assigned
6522 (98.8%) exact matches, in which:
6341 unique CDR3
13 unique J



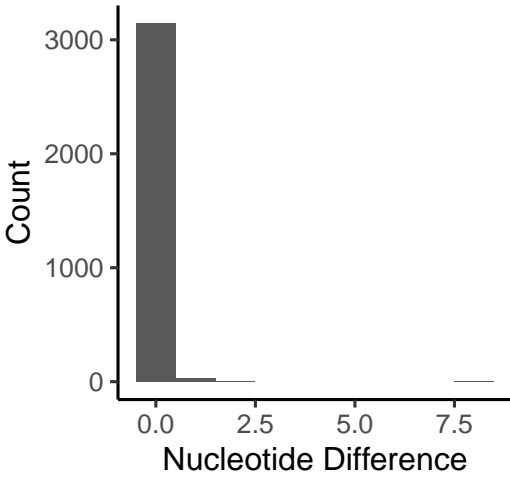
TRBV7-1*ap01_G291C_T

62 sequences assigned
60 (96.8%) exact matches, in which:
55 unique CDR3
13 unique J



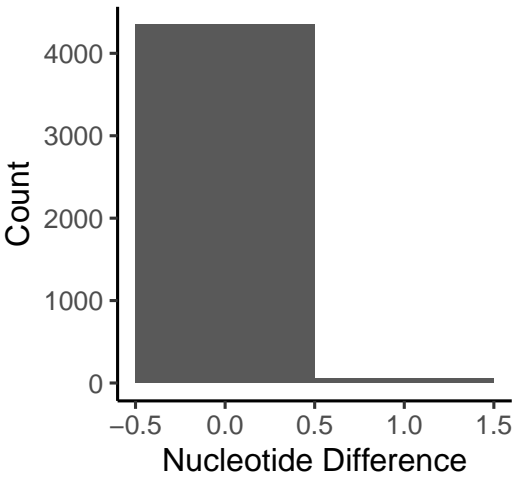
TRBV7-3*ap01

3179 sequences assigned
3144 (98.9%) exact matches, in which:
3079 unique CDR3
13 unique J



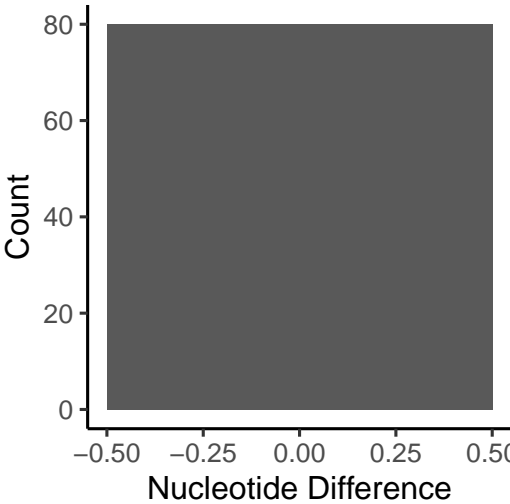
TRBV6-56*ap01

4400 sequences assigned
4347 (98.8%) exact matches, in which:
4210 unique CDR3
13 unique J



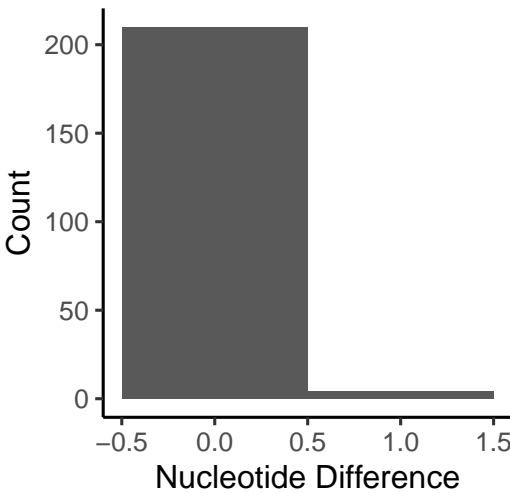
TRBV7-1*ap01_G291C_T

80 sequences assigned
80 (100%) exact matches, in which:
76 unique CDR3
12 unique J



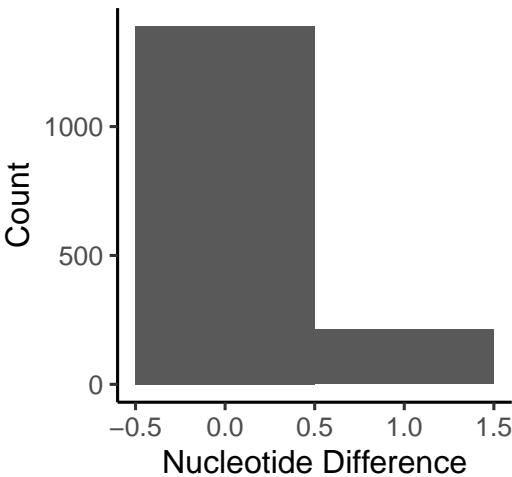
TRBV7-4*ap01

214 sequences assigned
210 (98.1%) exact matches, in which:
208 unique CDR3
13 unique J



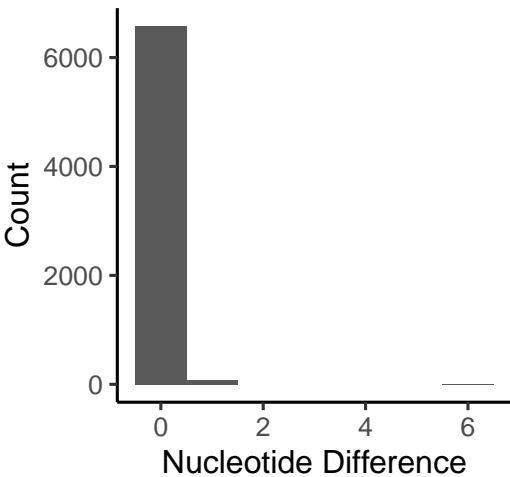
TRBV6-56*ap02

1603 sequences assigned
1390 (86.7%) exact matches, in which:
1347 unique CDR3
13 unique J



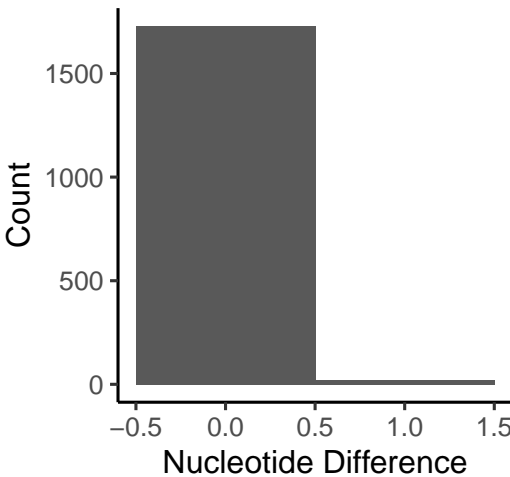
TRBV7-2*ap01

6653 sequences assigned
6578 (98.9%) exact matches, in which:
6358 unique CDR3
13 unique J



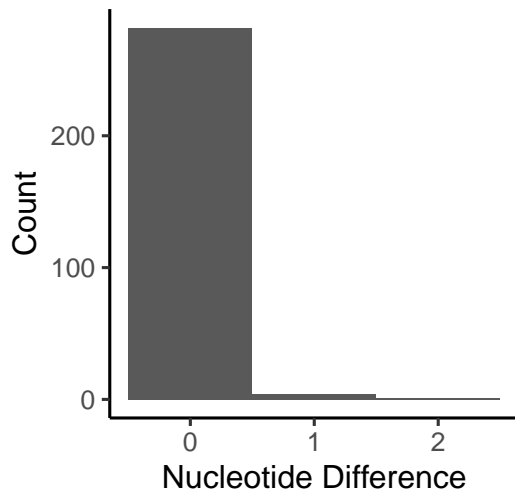
TRBV7-6*ap01

1750 sequences assigned
1729 (98.8%) exact matches, in which:
1677 unique CDR3
13 unique J



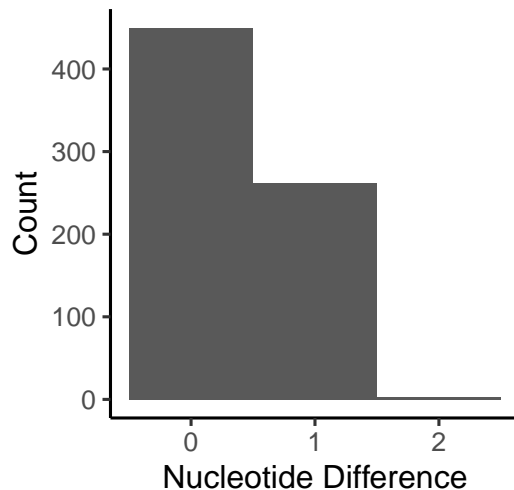
TRBV7-7*ap01

287 sequences assigned
282 (98.3%) exact matches, in which:
281 unique CDR3
13 unique J



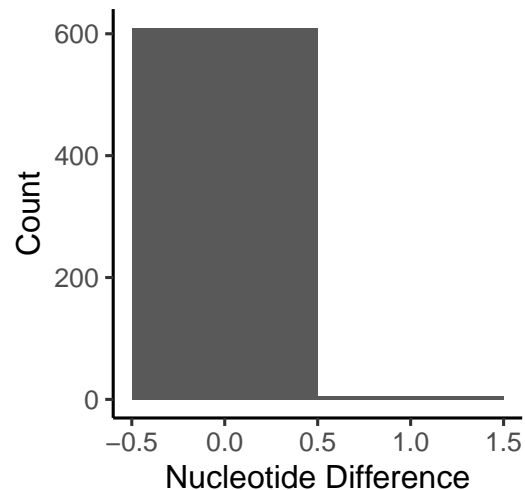
TRBV7-8*ap03

715 sequences assigned
450 (62.9%) exact matches, in which:
434 unique CDR3
13 unique J



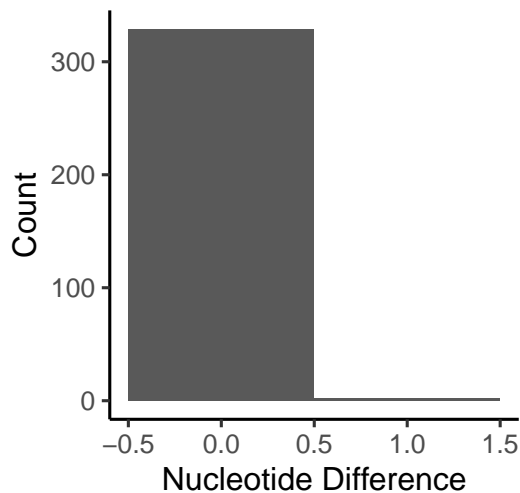
TRBV29-1*ap02

616 sequences assigned
610 (99%) exact matches, in which:
601 unique CDR3
13 unique J



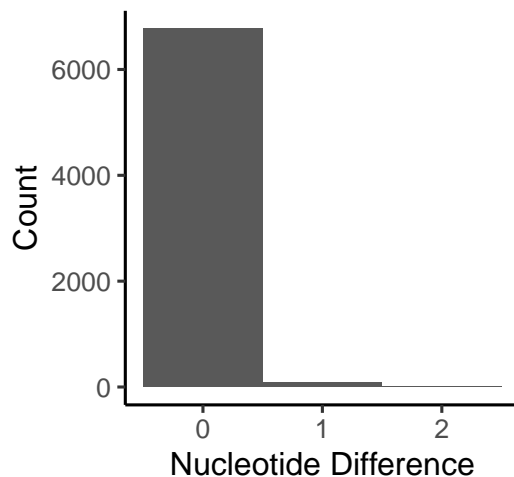
TRBV7-7*ap01_C315T

331 sequences assigned
329 (99.4%) exact matches, in which:
319 unique CDR3
13 unique J



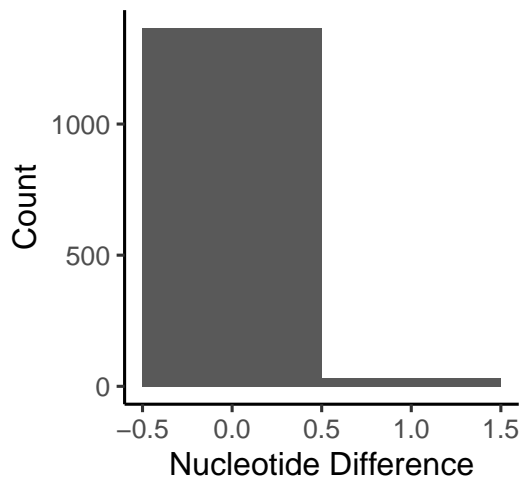
TRBV7-9*ap01

6850 sequences assigned
6770 (98.8%) exact matches, in which:
6588 unique CDR3
13 unique J



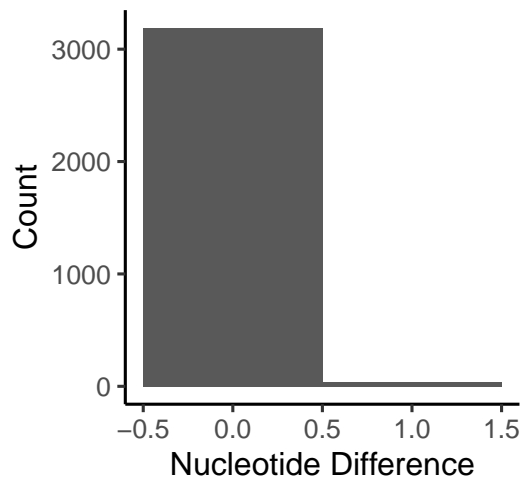
TRBV7-8*ap01

1398 sequences assigned
1366 (97.7%) exact matches, in which:
1321 unique CDR3
13 unique J

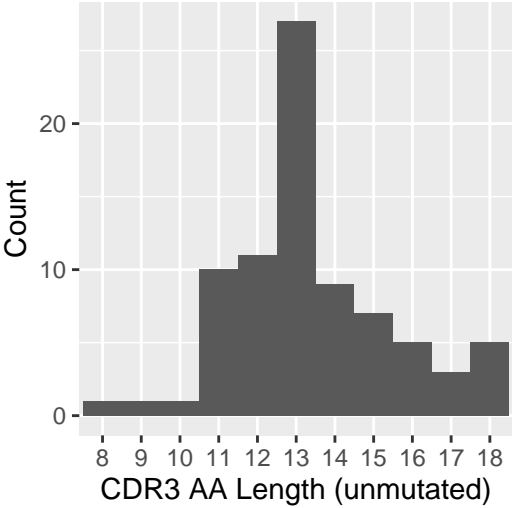


TRBV29-1*ap01

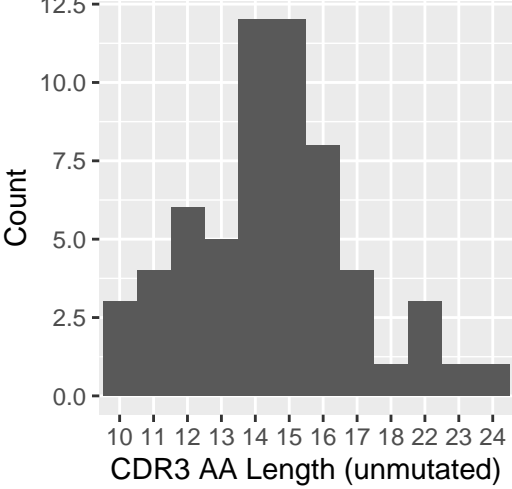
3229 sequences assigned
3188 (98.7%) exact matches, in which:
3091 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

