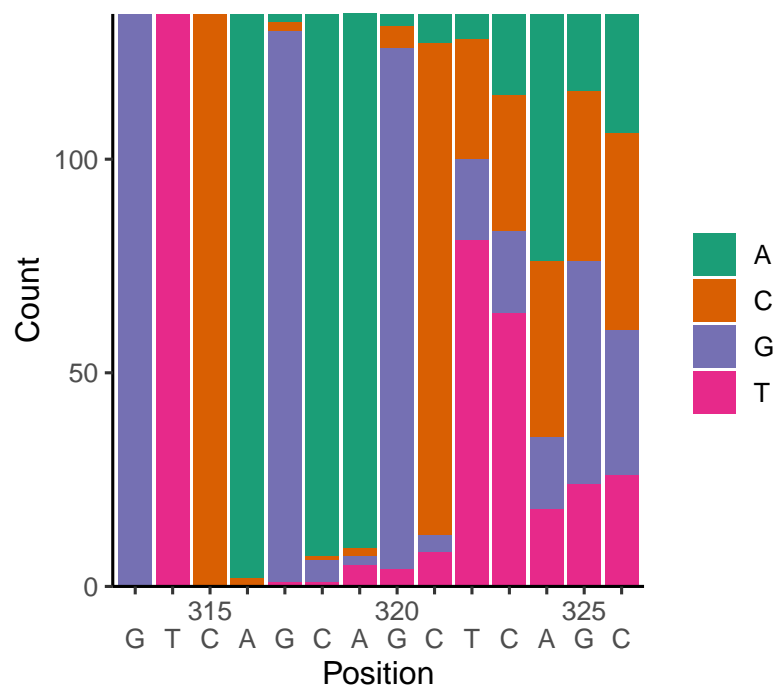
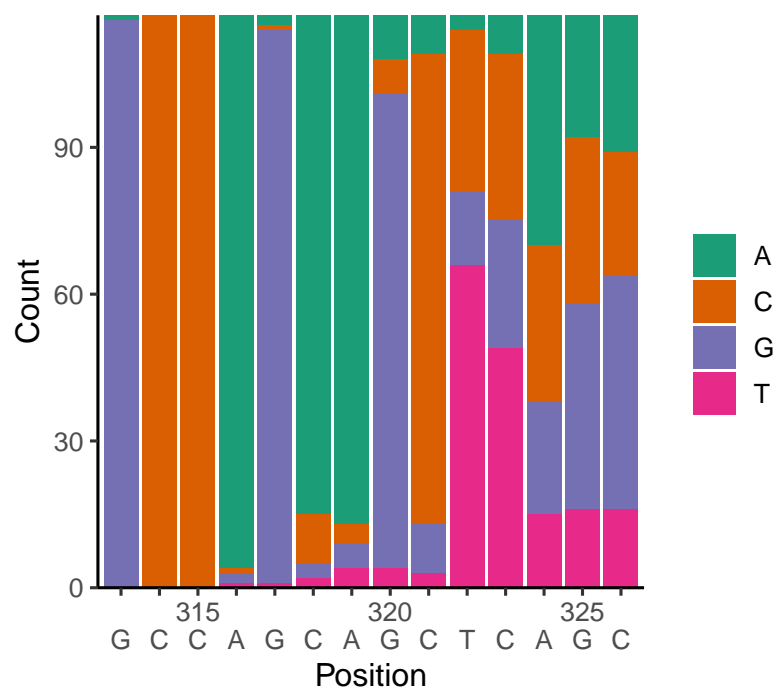


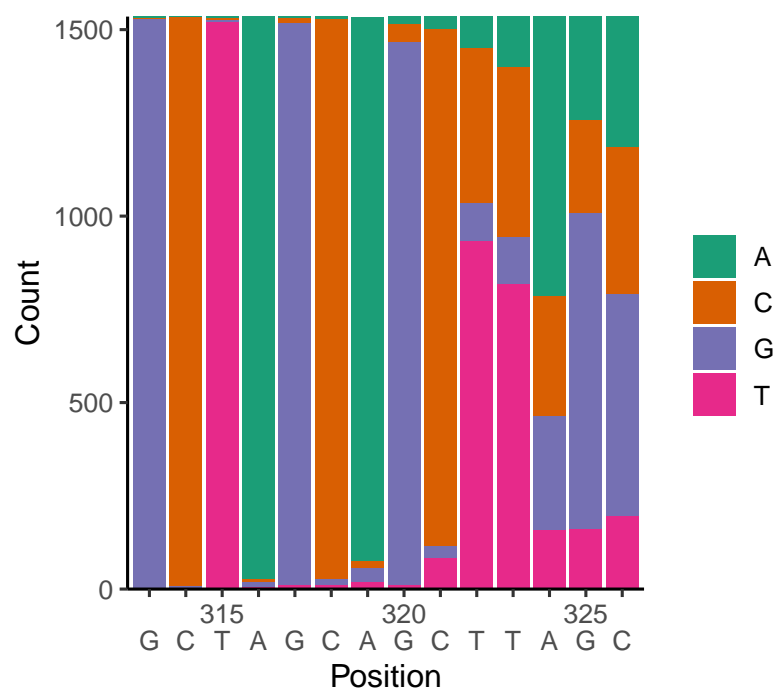
Gene TRBV7-1*ap01_G291C_T296C_C314T



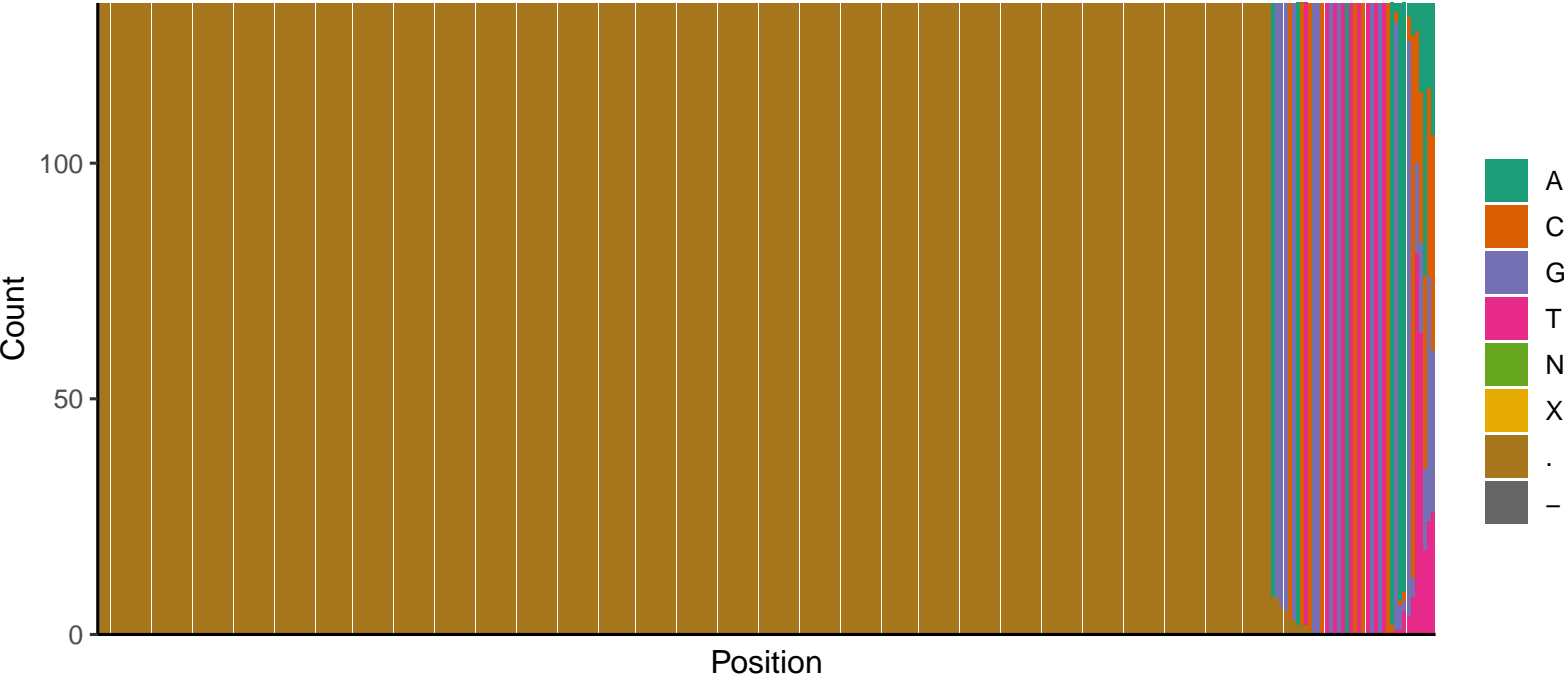
Gene TRBV7-1*ap01_G291C_T296C



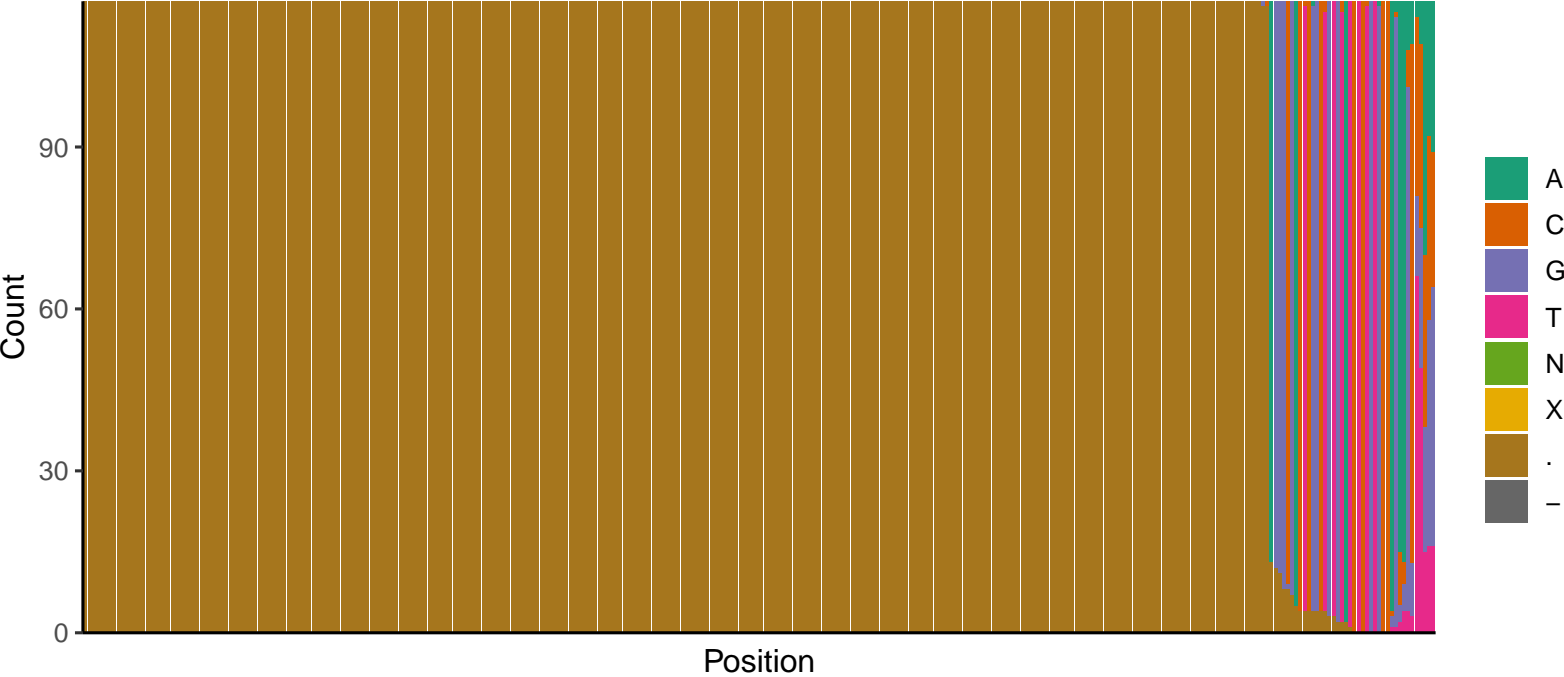
Gene TRBV7-7*ap01_C315T



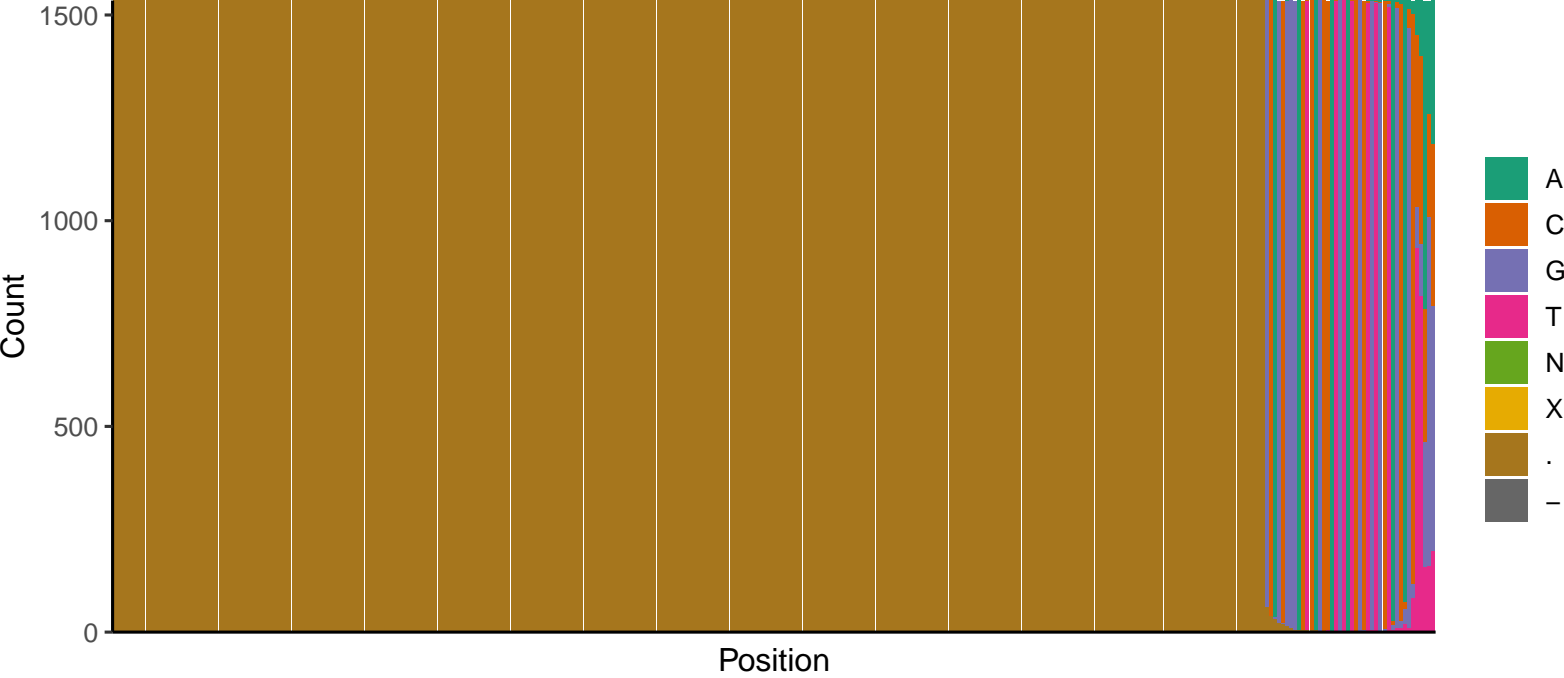
Gene TRBV7-1*ap01_G291C_T296C_C314T



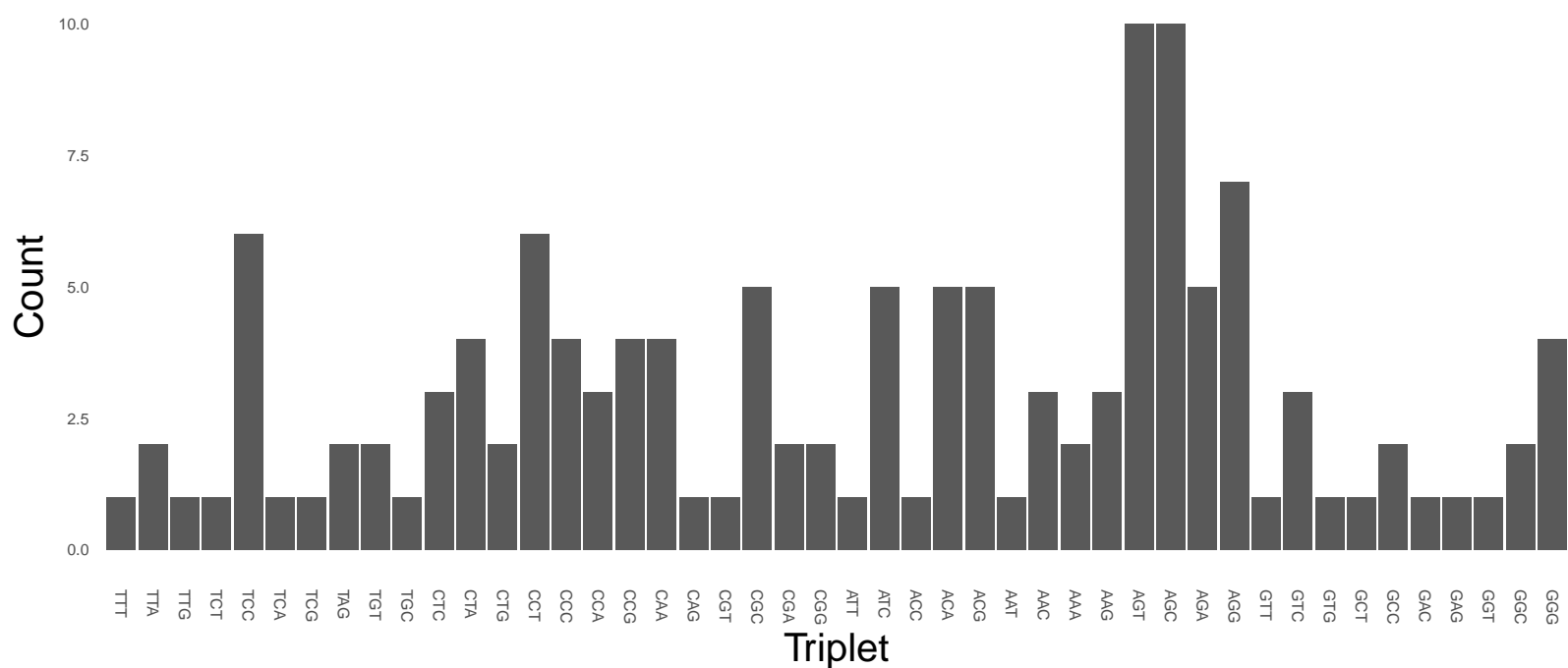
Gene TRBV7-1*ap01_G291C_T296C



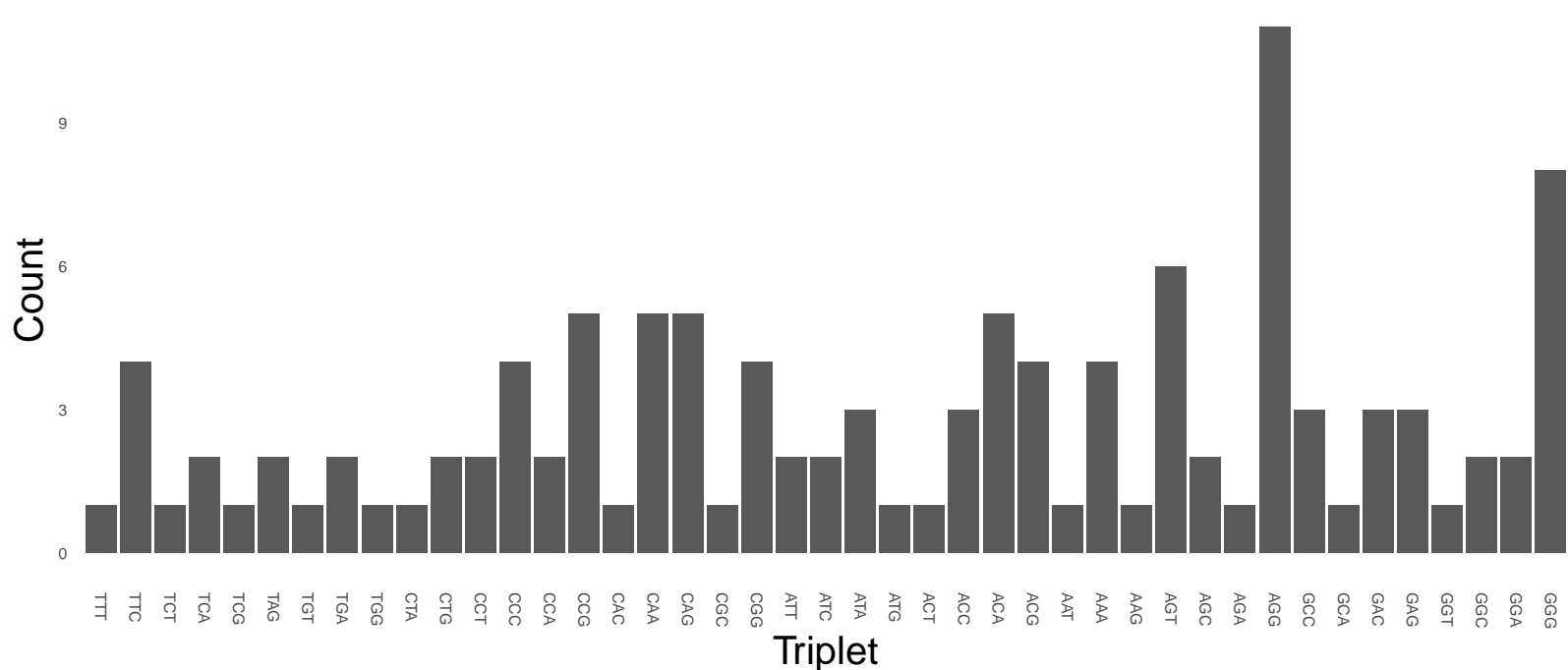
Gene TRBV7-7*ap01_C315T



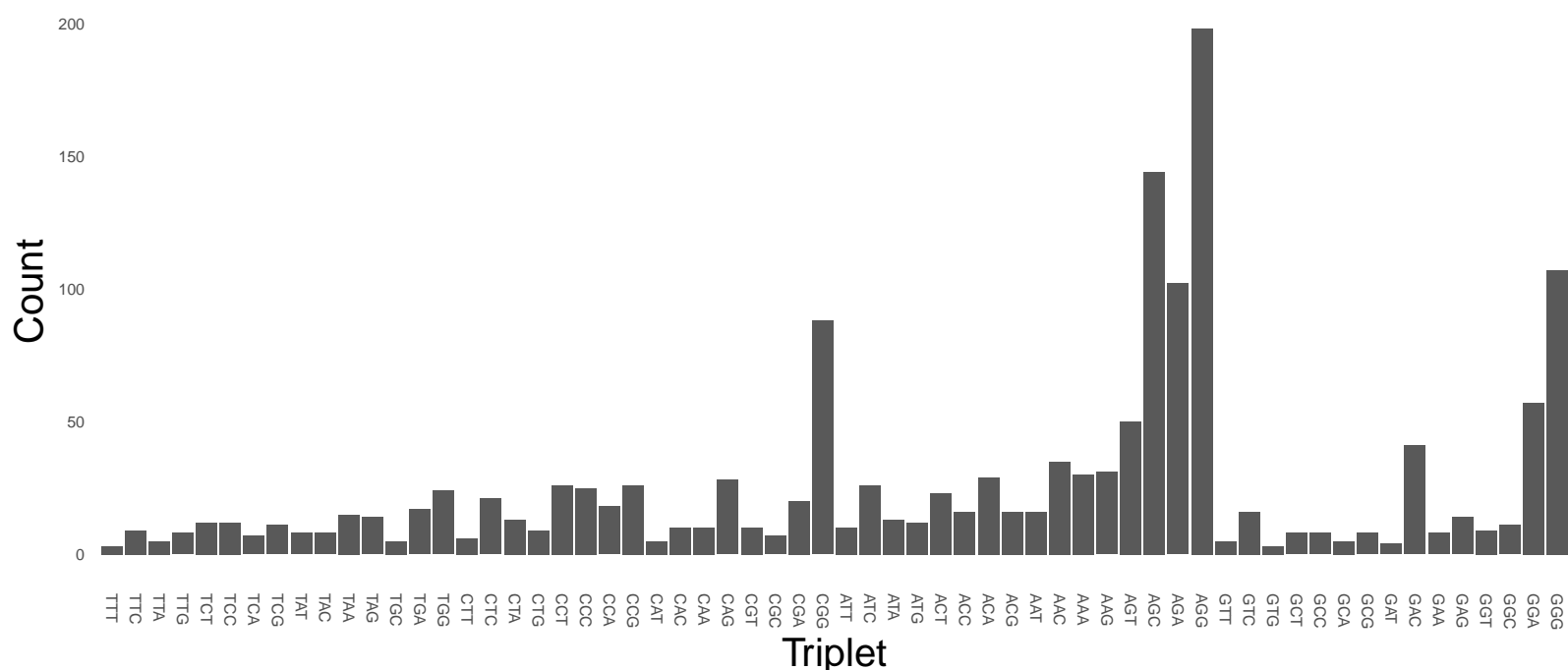
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

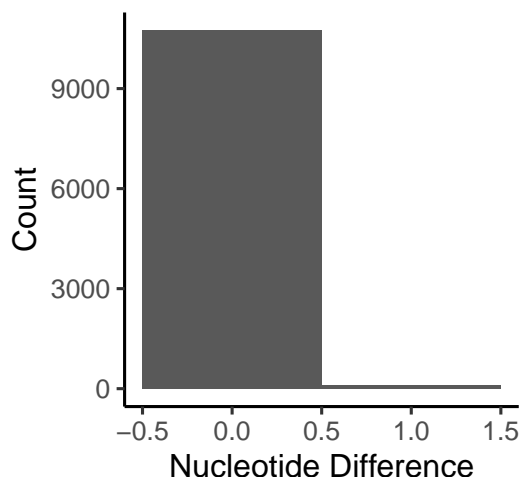


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



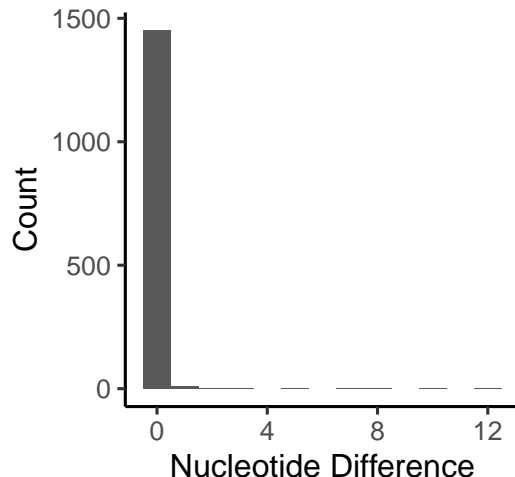
TRBV20-1*ap01

10853 sequences assigned
10745 (99%) exact matches, in which:
10591 unique CDR3
13 unique J



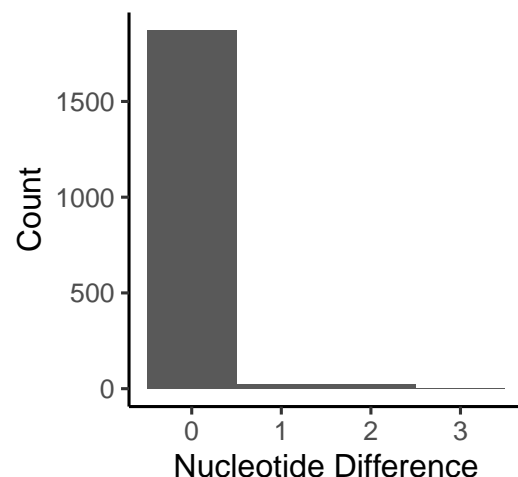
TRBV10-2*ap01

1471 sequences assigned
1451 (98.6%) exact matches, in which:
1433 unique CDR3
13 unique J



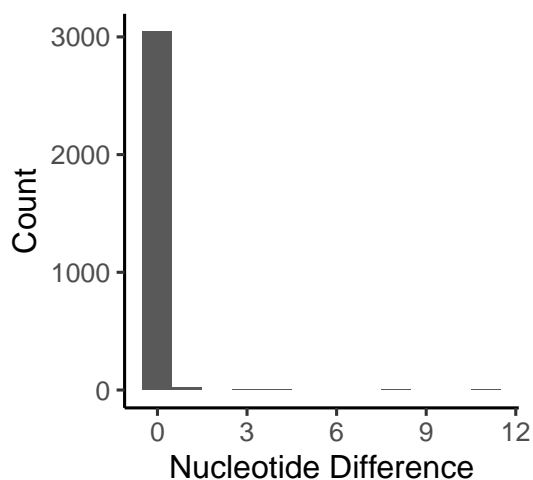
TRBV13*ap01

1918 sequences assigned
1871 (97.5%) exact matches, in which:
1817 unique CDR3
13 unique J



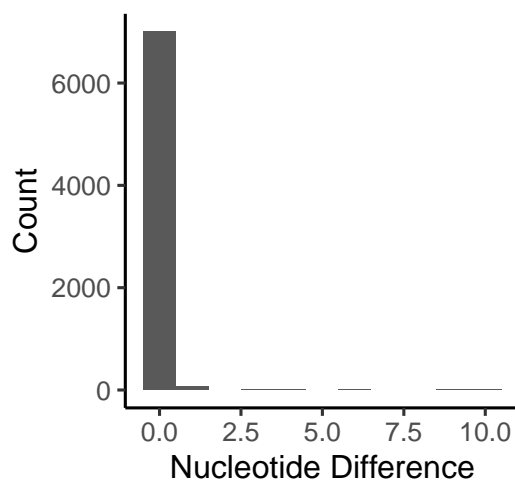
TRBV10-1*ap01

3072 sequences assigned
3044 (99.1%) exact matches, in which:
2973 unique CDR3
13 unique J



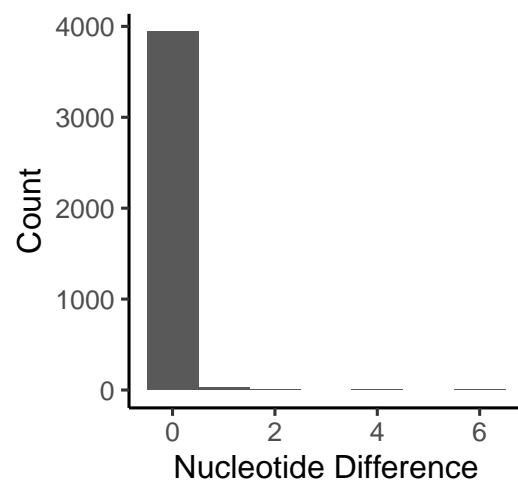
TRBV10-3*ap01

7086 sequences assigned
7003 (98.8%) exact matches, in which:
6881 unique CDR3
13 unique J



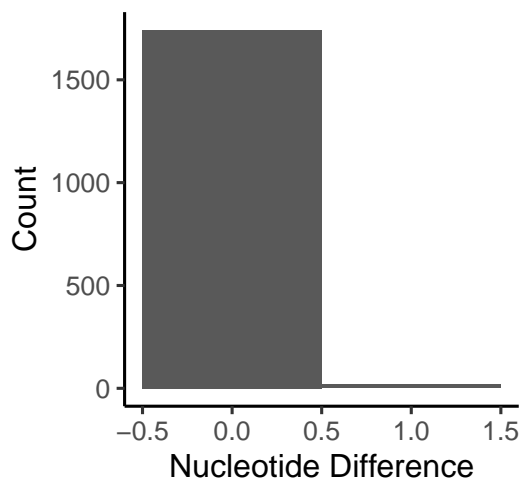
TRBV14*ap01

3975 sequences assigned
3941 (99.1%) exact matches, in which:
3875 unique CDR3
13 unique J



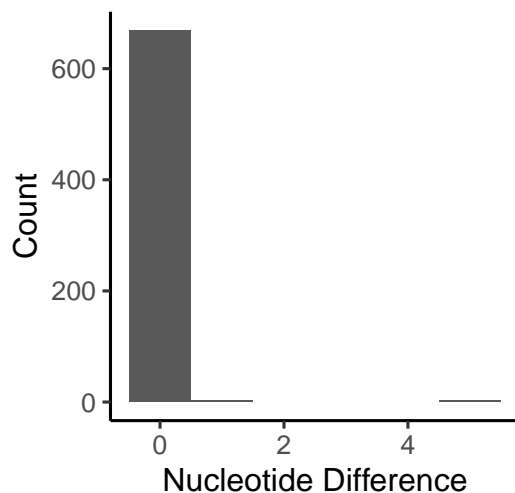
TRBV20-1*ap02

1760 sequences assigned
1742 (99%) exact matches, in which:
1721 unique CDR3
13 unique J



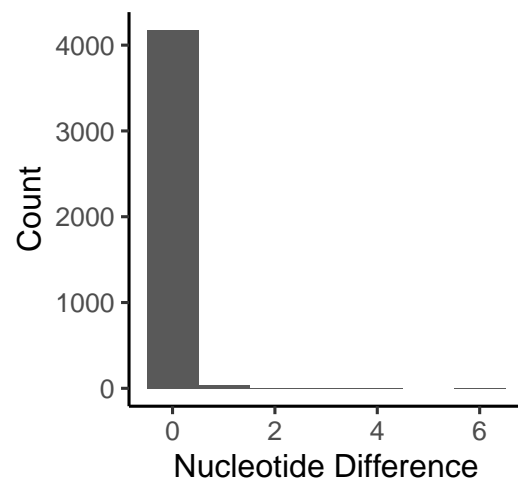
TRBV1*ap01

674 sequences assigned
669 (99.3%) exact matches, in which:
646 unique CDR3
13 unique J



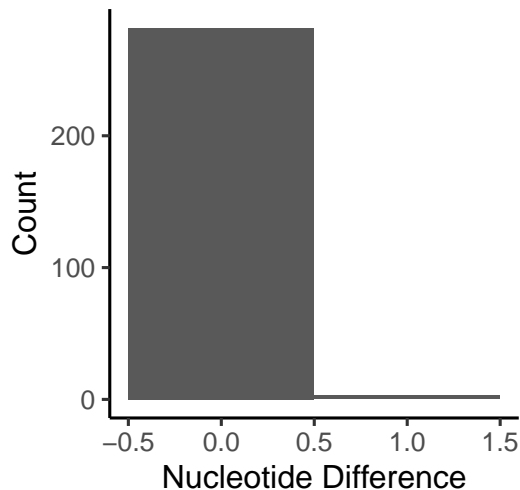
TRBV15*ap02

4216 sequences assigned
4176 (99.1%) exact matches, in which:
4086 unique CDR3
13 unique J



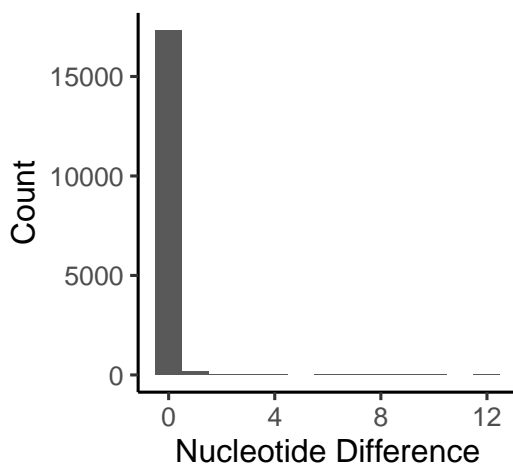
TRBV16*ap01

285 sequences assigned
282 (98.9%) exact matches, in which:
278 unique CDR3
13 unique J



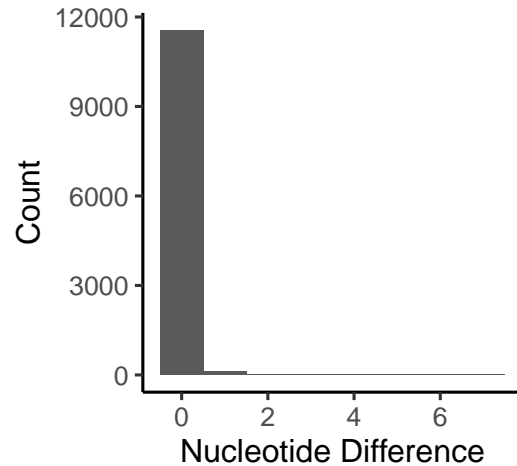
TRBV19*ap01

17514 sequences assigned
17329 (98.9%) exact matches, in which:
17148 unique CDR3
13 unique J



TRBV27*ap01

11704 sequences assigned
11558 (98.8%) exact matches, in which:
11318 unique CDR3
13 unique J



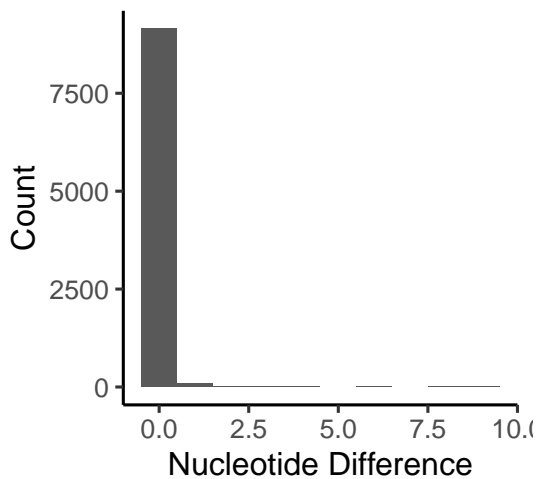
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



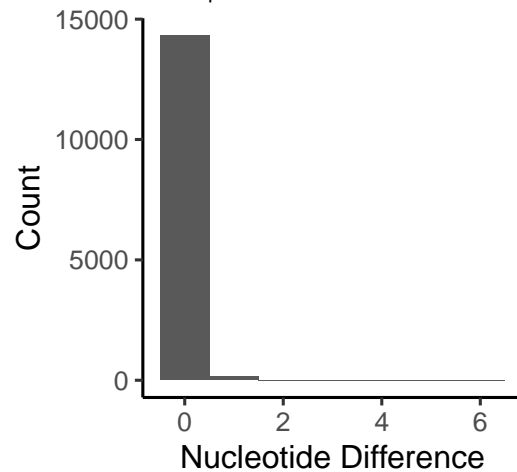
TRBV2*ap01

9251 sequences assigned
9148 (98.9%) exact matches, in which:
8987 unique CDR3
13 unique J



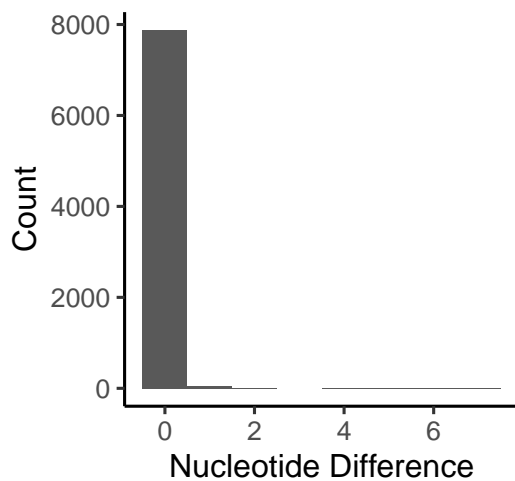
TRBV28*ap01

14509 sequences assigned
14322 (98.7%) exact matches, in which:
14089 unique CDR3
13 unique J



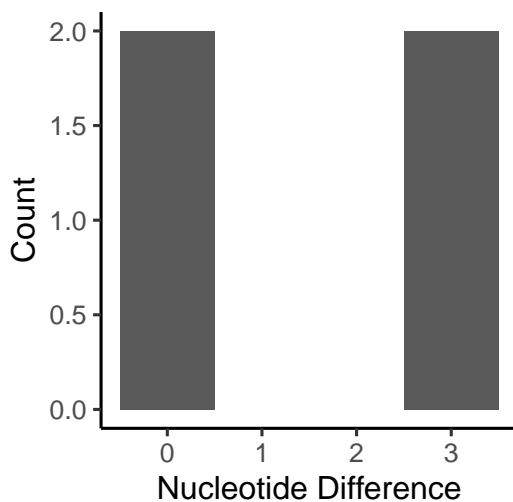
TRBV18*ap01

7934 sequences assigned
7878 (99.3%) exact matches, in which:
7790 unique CDR3
13 unique J



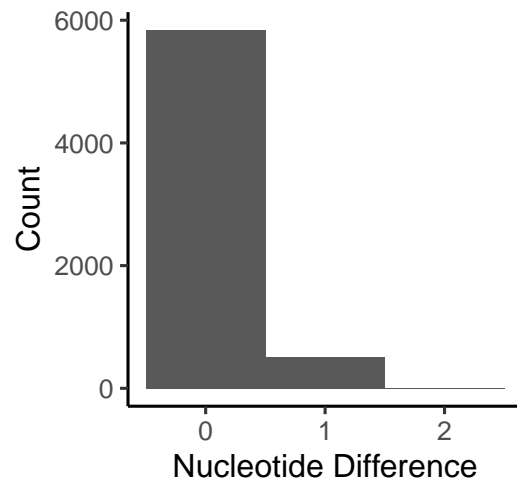
TRBV26*ap01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J



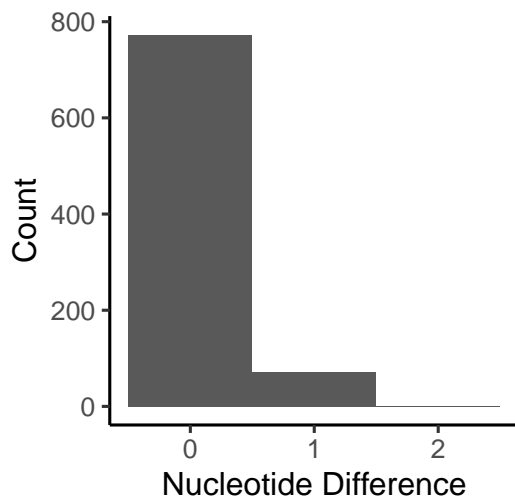
TRBV30*ap01

6349 sequences assigned
5840 (92%) exact matches, in which:
5750 unique CDR3
14 unique J



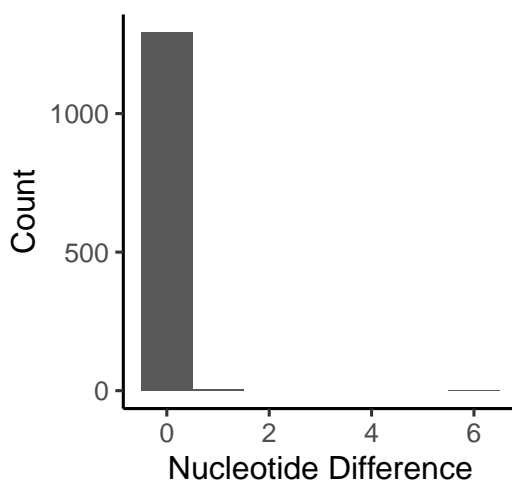
TRBV30*ap03

845 sequences assigned
773 (91.5%) exact matches, in which:
760 unique CDR3
13 unique J



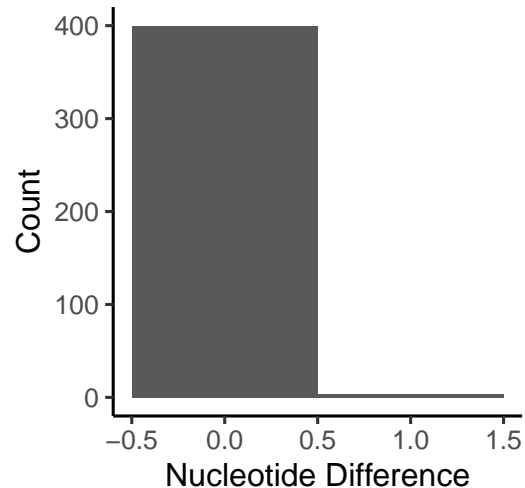
TRBV11-1*ap01

1300 sequences assigned
1293 (99.5%) exact matches, in which:
1283 unique CDR3
13 unique J



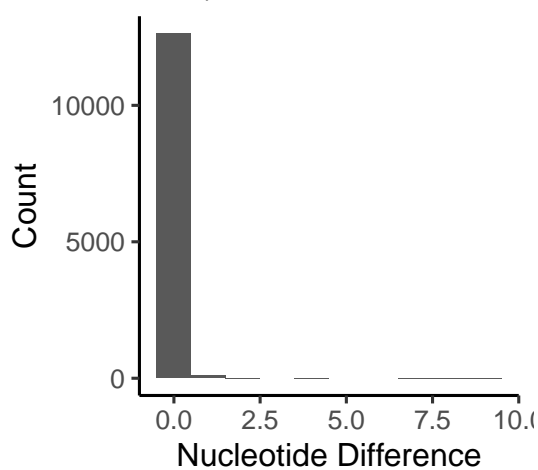
TRBV12-1*ap01

404 sequences assigned
400 (99%) exact matches, in which:
390 unique CDR3
13 unique J



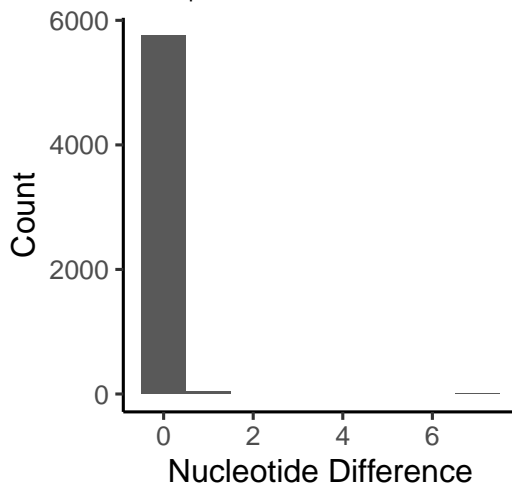
TRBV9*ap01

12733 sequences assigned
12634 (99.2%) exact matches, in which:
12467 unique CDR3
13 unique J



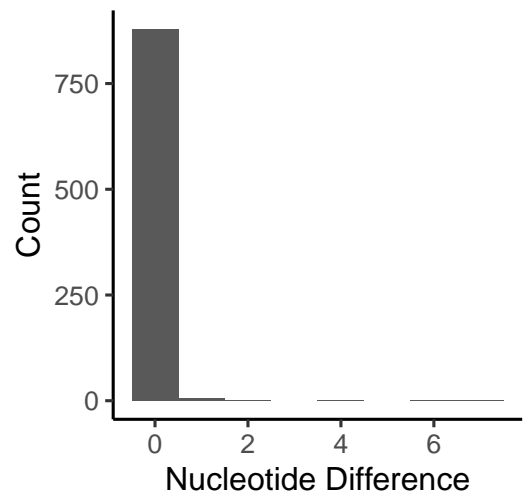
TRBV11-2*ap01

5789 sequences assigned
5753 (99.4%) exact matches, in which:
5711 unique CDR3
13 unique J



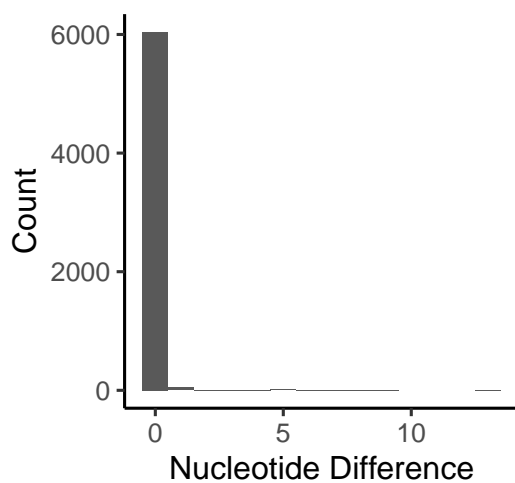
TRBV12-2*ap01

889 sequences assigned
879 (98.9%) exact matches, in which:
870 unique CDR3
13 unique J



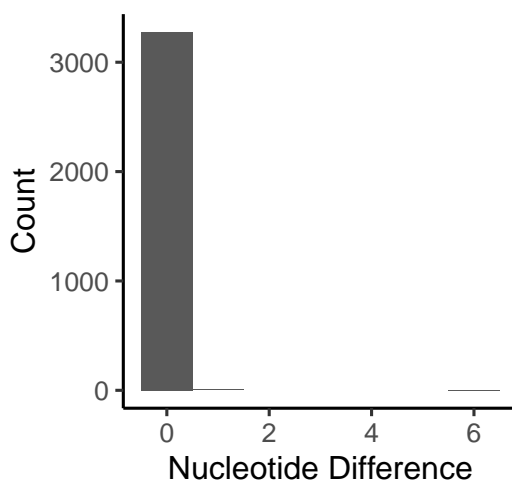
TRBV21-1*ap01

6132 sequences assigned
6041 (98.5%) exact matches, in which:
5981 unique CDR3
13 unique J



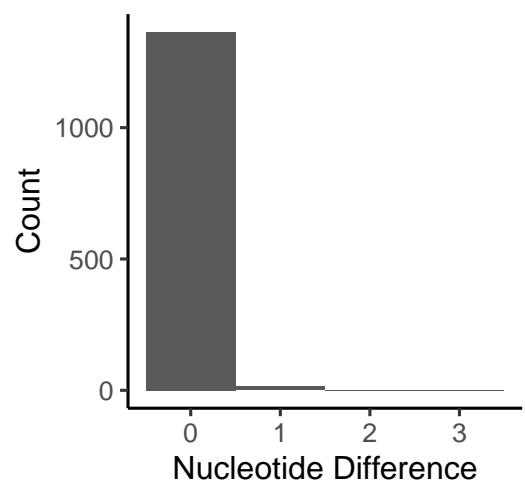
TRBV11-3*ap01

3286 sequences assigned
3276 (99.7%) exact matches, in which:
3255 unique CDR3
13 unique J



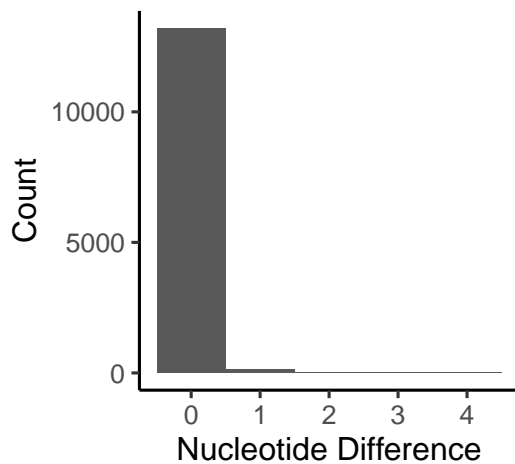
TRBV12-5*ap01

1382 sequences assigned
1364 (98.7%) exact matches, in which:
1339 unique CDR3
13 unique J



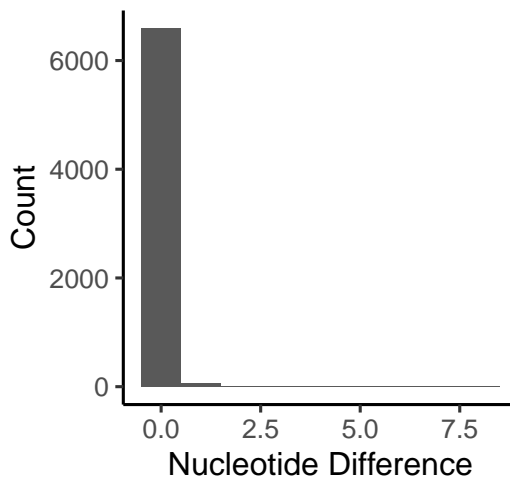
TRBV12–34*ap01

13335 sequences assigned
13206 (99%) exact matches, in which:
13001 unique CDR3
13 unique J



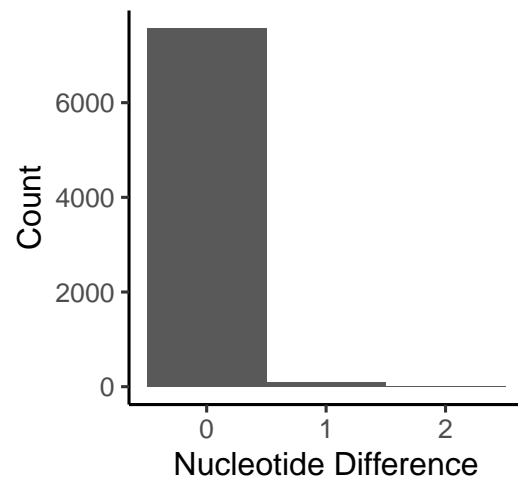
TRBV24–1*ap01

6693 sequences assigned
6591 (98.5%) exact matches, in which:
6488 unique CDR3
13 unique J



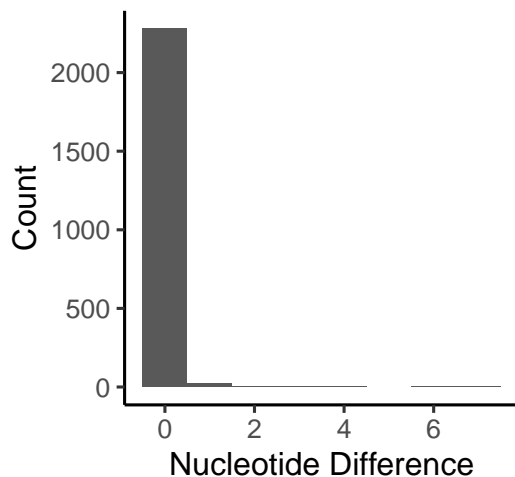
TRBV4–3*ap01

7672 sequences assigned
7569 (98.7%) exact matches, in which:
7429 unique CDR3
13 unique J



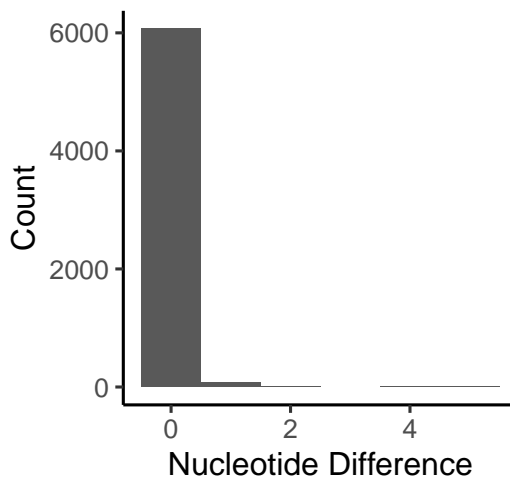
TRBV23–1*ap01

2311 sequences assigned
2279 (98.6%) exact matches, in which:
2239 unique CDR3
13 unique J



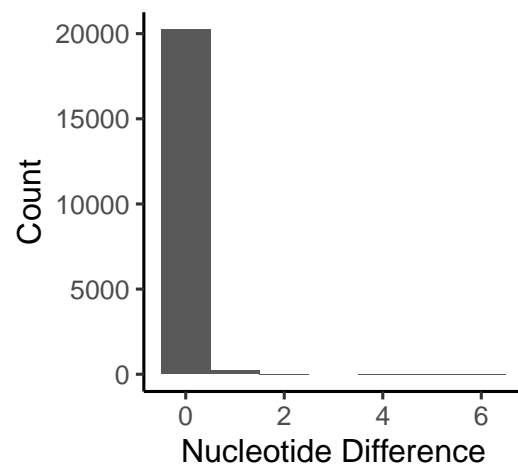
TRBV4–1*ap01

6157 sequences assigned
6070 (98.6%) exact matches, in which:
5960 unique CDR3
13 unique J



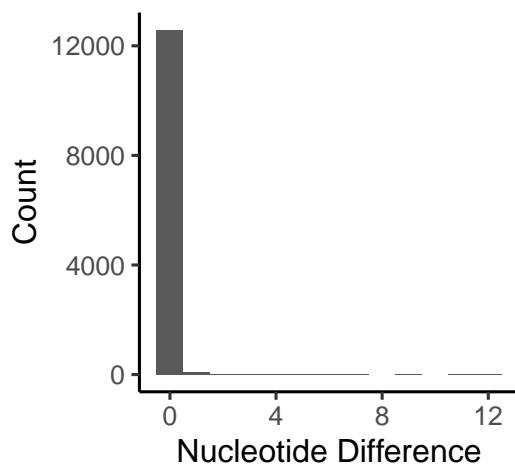
TRBV5–1*ap01

20483 sequences assigned
20245 (98.8%) exact matches, in which:
19793 unique CDR3
13 unique J



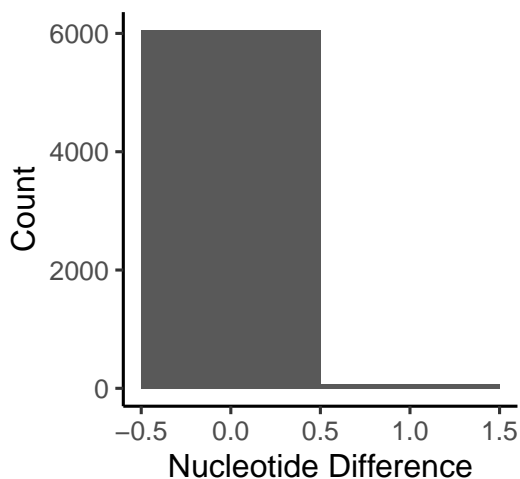
TRBV3–12*ap01

12714 sequences assigned
12585 (99%) exact matches, in which:
12462 unique CDR3
14 unique J



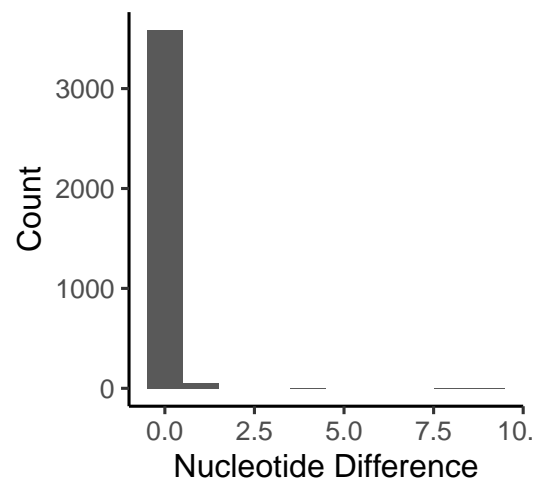
TRBV4–2*ap01

6130 sequences assigned
6057 (98.8%) exact matches, in which:
5955 unique CDR3
13 unique J



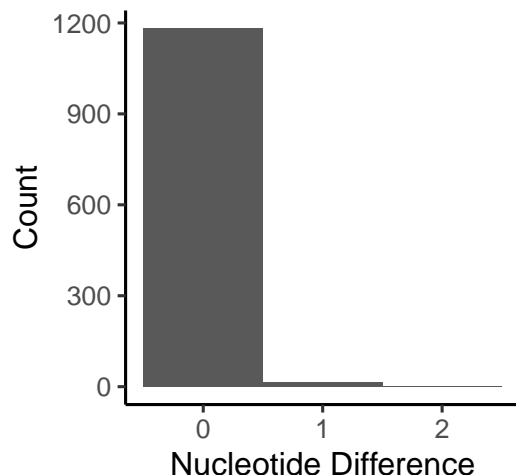
TRBV25–1*ap01

3646 sequences assigned
3586 (98.4%) exact matches, in which:
3516 unique CDR3
13 unique J



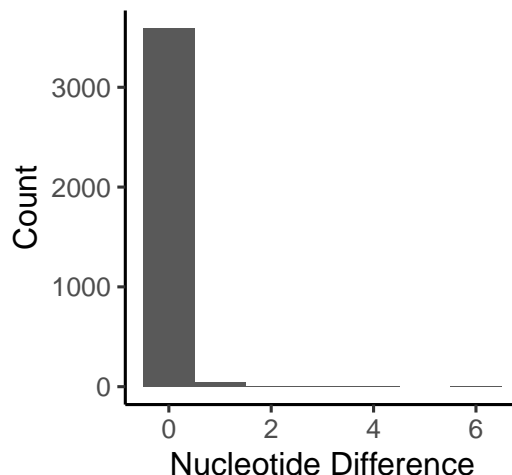
TRBV5-3*ap01

1199 sequences assigned
1182 (98.6%) exact matches, in which:
1161 unique CDR3
13 unique J



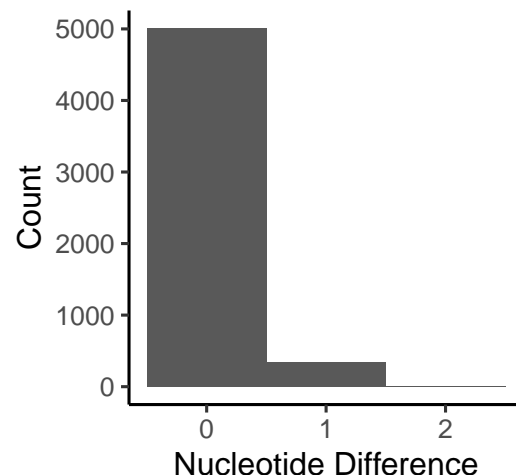
TRBV5-6*ap01

3642 sequences assigned
3590 (98.6%) exact matches, in which:
3496 unique CDR3
13 unique J



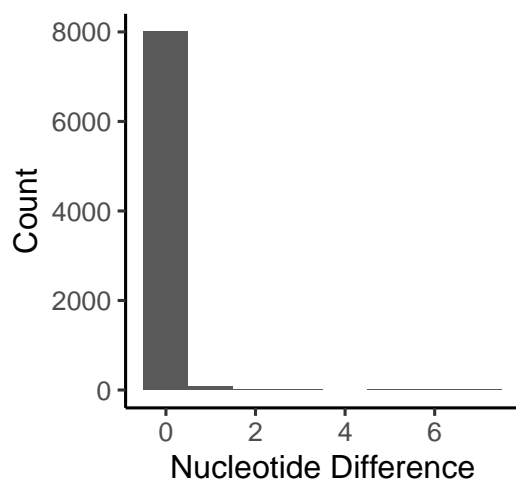
TRBV6-1*ap01

5356 sequences assigned
5007 (93.5%) exact matches, in which:
4906 unique CDR3
13 unique J



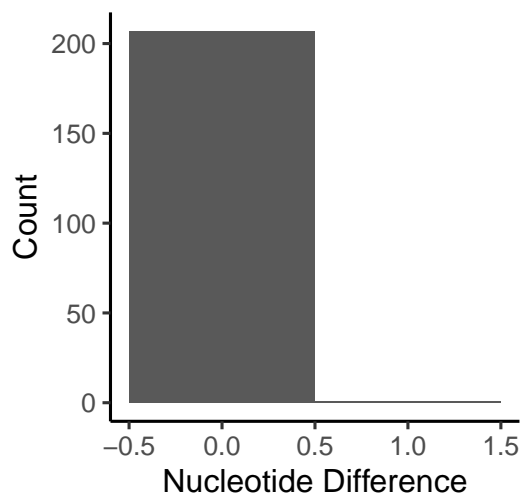
TRBV5-4*ap01

8094 sequences assigned
8004 (98.9%) exact matches, in which:
7840 unique CDR3
14 unique J



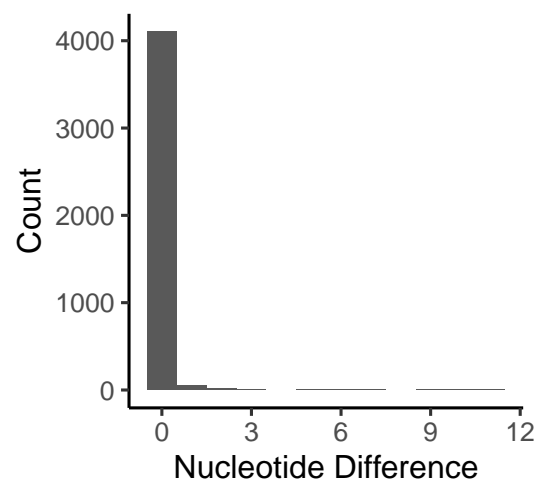
TRBV5-7*ap01

208 sequences assigned
207 (99.5%) exact matches, in which:
200 unique CDR3
13 unique J



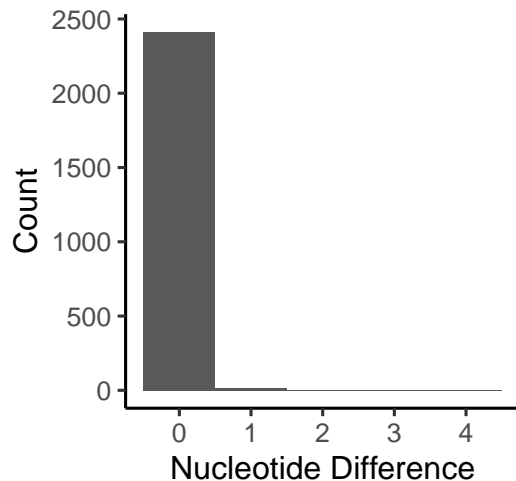
TRBV6-4*ap01

4183 sequences assigned
4103 (98.1%) exact matches, in which:
4052 unique CDR3
13 unique J



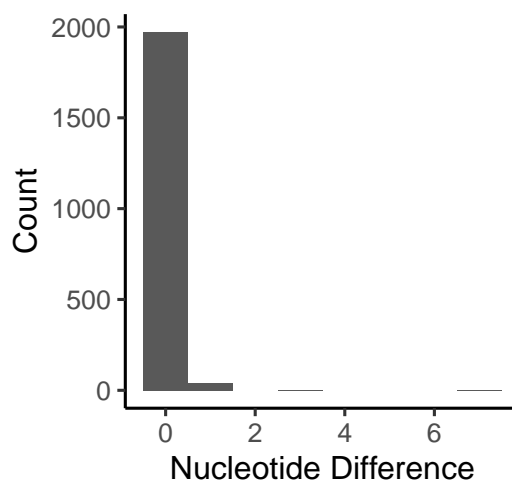
TRBV5-5*ap01

2433 sequences assigned
2412 (99.1%) exact matches, in which:
2388 unique CDR3
13 unique J



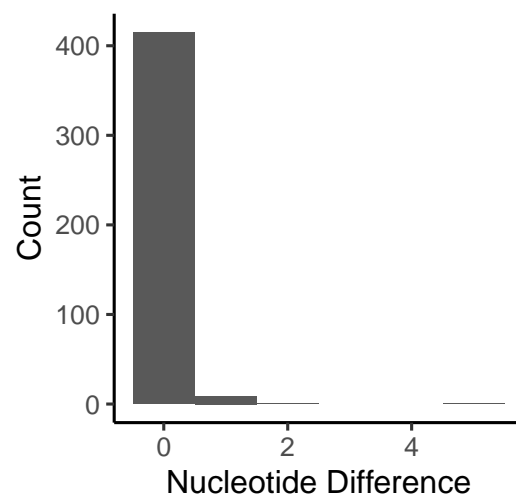
TRBV5-8*ap01

2014 sequences assigned
1972 (97.9%) exact matches, in which:
1951 unique CDR3
13 unique J



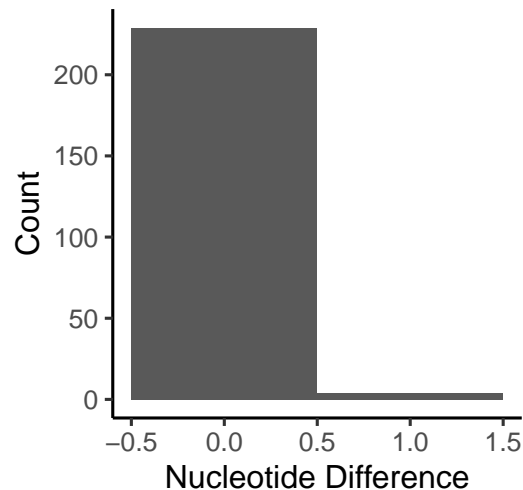
TRBV6-7*ap01

426 sequences assigned
415 (97.4%) exact matches, in which:
403 unique CDR3
13 unique J



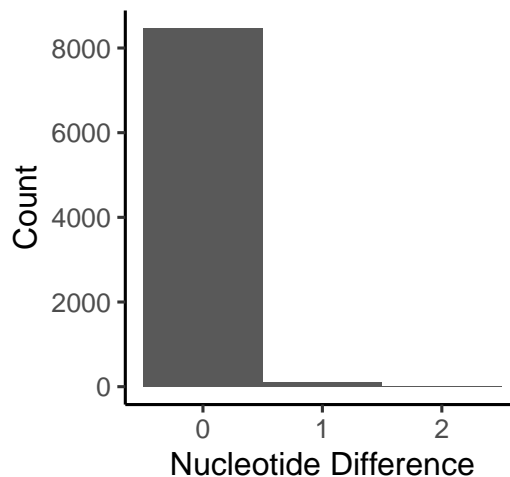
TRBV6–8*ap01

233 sequences assigned
229 (98.3%) exact matches, in which:
227 unique CDR3
13 unique J



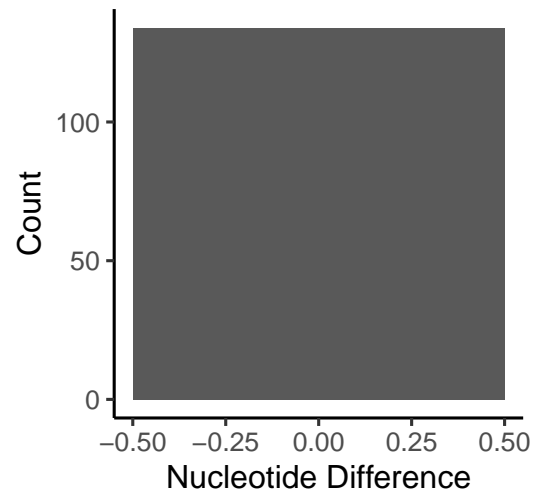
TRBV6–56*ap01

8575 sequences assigned
8463 (98.7%) exact matches, in which:
8248 unique CDR3
13 unique J



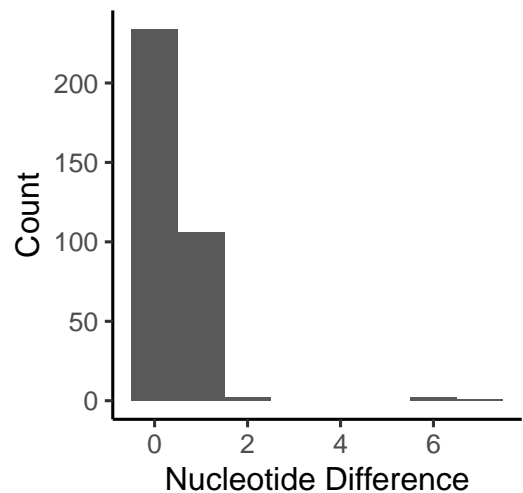
TRBV7–1*ap01_G291C_

134 sequences assigned
134 (100%) exact matches, in which:
131 unique CDR3
12 unique J



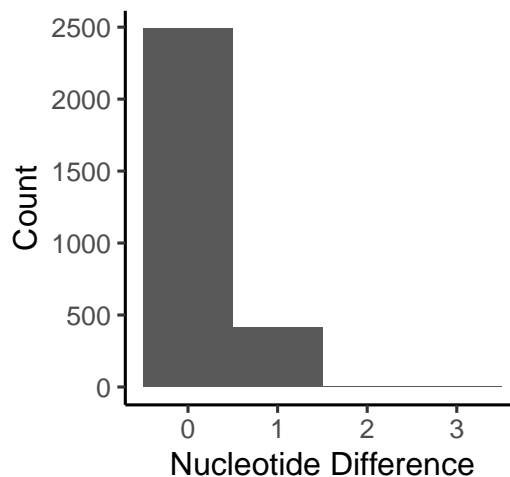
TRBV6–9*ap01

345 sequences assigned
234 (67.8%) exact matches, in which:
229 unique CDR3
13 unique J



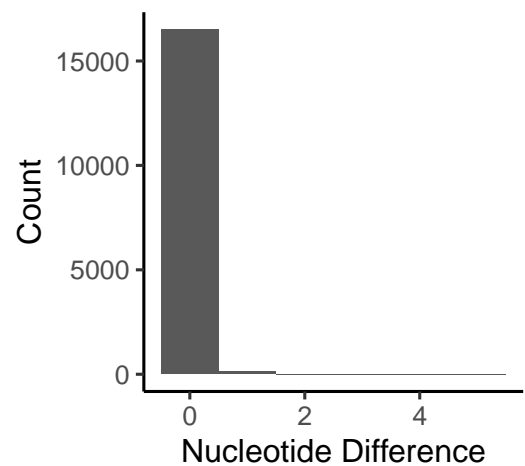
TRBV6–56*ap02

2910 sequences assigned
2489 (85.5%) exact matches, in which:
2427 unique CDR3
13 unique J



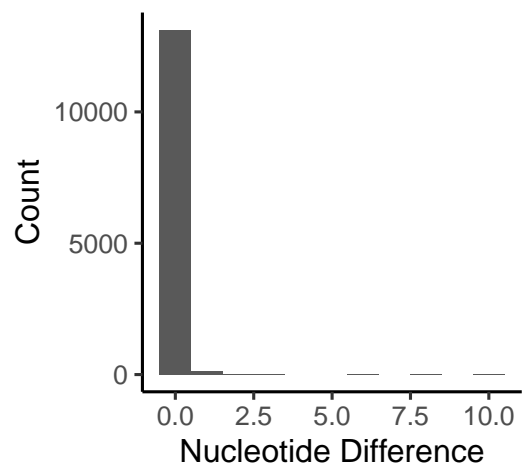
TRBV7–2*ap01

16638 sequences assigned
16509 (99.2%) exact matches, in which:
16234 unique CDR3
13 unique J



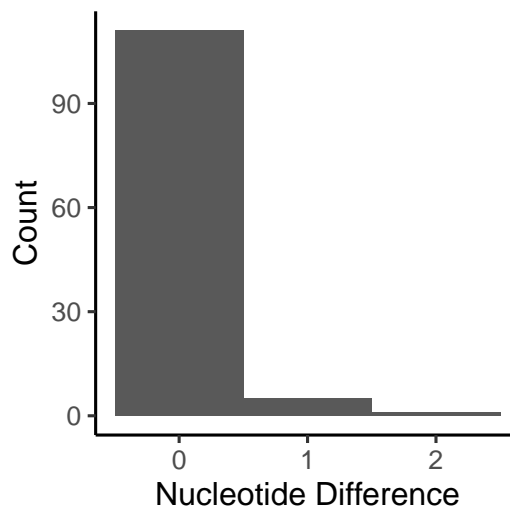
TRBV6–23*ap01

13297 sequences assigned
13126 (98.7%) exact matches, in which:
12829 unique CDR3
13 unique J



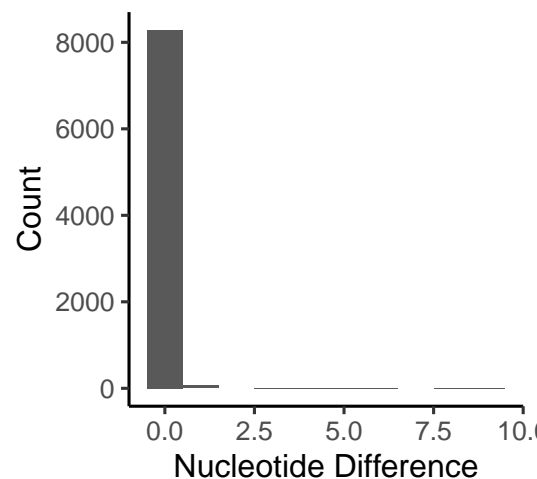
TRBV7–1*ap01_G291C_T

117 sequences assigned
111 (94.9%) exact matches, in which:
109 unique CDR3
12 unique J



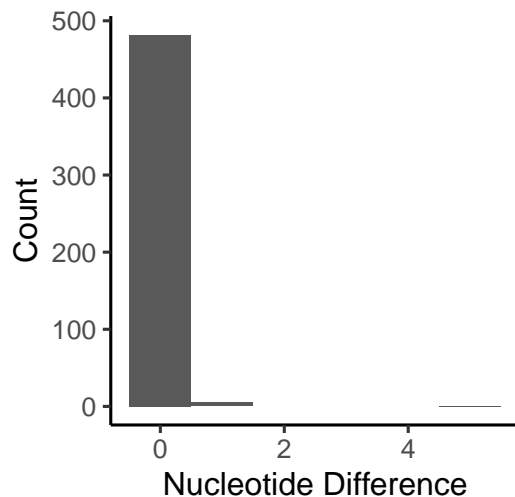
TRBV7–3*ap01

8361 sequences assigned
8284 (99.1%) exact matches, in which:
8185 unique CDR3
13 unique J



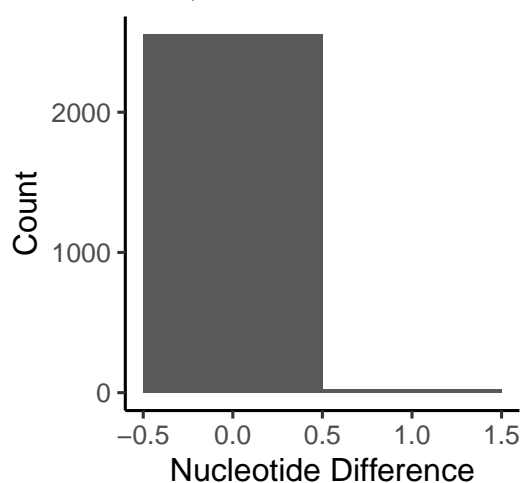
TRBV7-4*ap01

488 sequences assigned
482 (98.8%) exact matches, in which:
470 unique CDR3
13 unique J



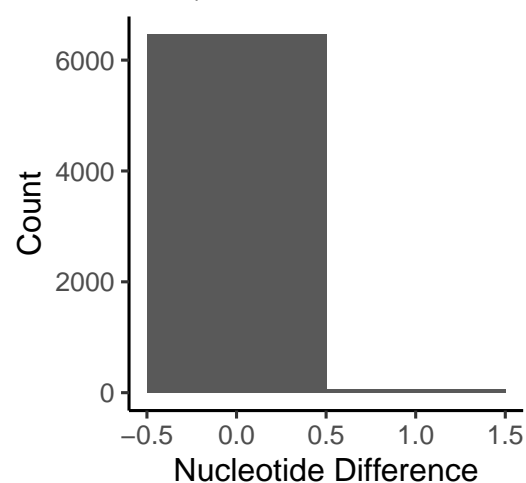
TRBV7-8*ap01

2579 sequences assigned
2555 (99.1%) exact matches, in which:
2507 unique CDR3
13 unique J



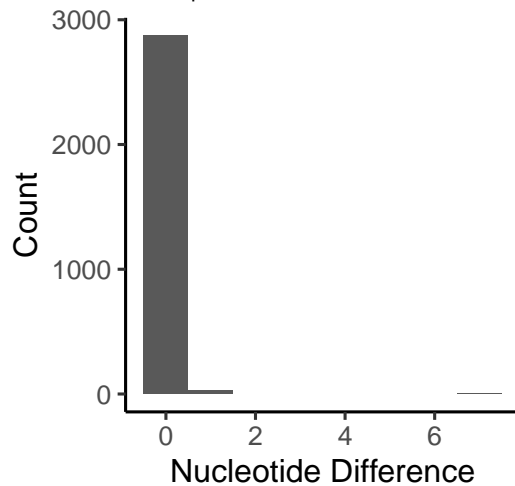
TRBV29-1*ap01

6535 sequences assigned
6464 (98.9%) exact matches, in which:
6323 unique CDR3
13 unique J



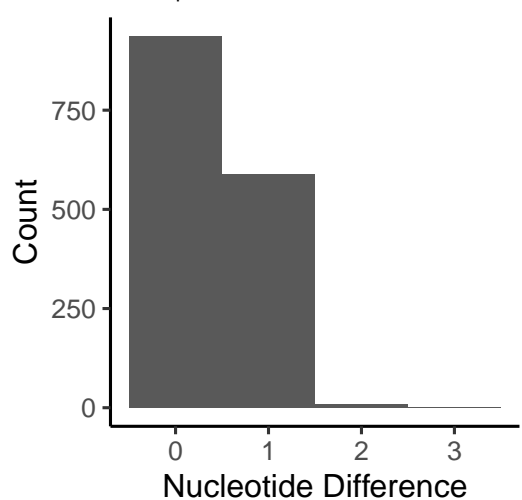
TRBV7-6*ap01

2903 sequences assigned
2872 (98.9%) exact matches, in which:
2825 unique CDR3
13 unique J



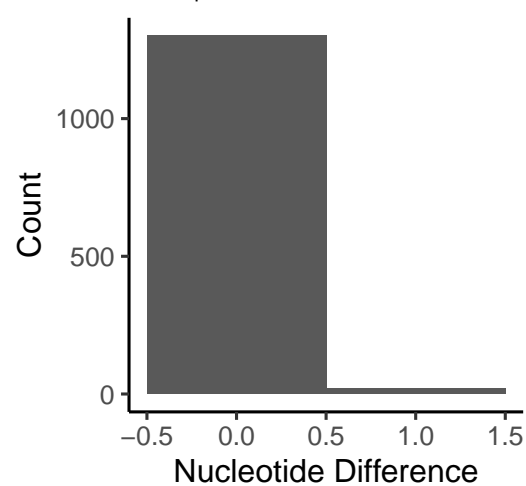
TRBV7-8*ap03

1534 sequences assigned
937 (61.1%) exact matches, in which:
918 unique CDR3
13 unique J



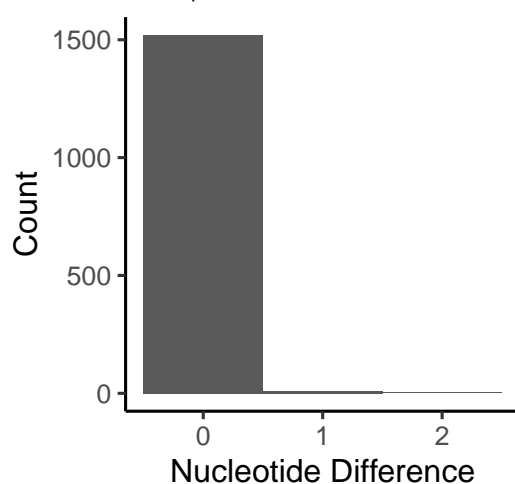
TRBV29-1*ap02

1322 sequences assigned
1301 (98.4%) exact matches, in which:
1275 unique CDR3
13 unique J



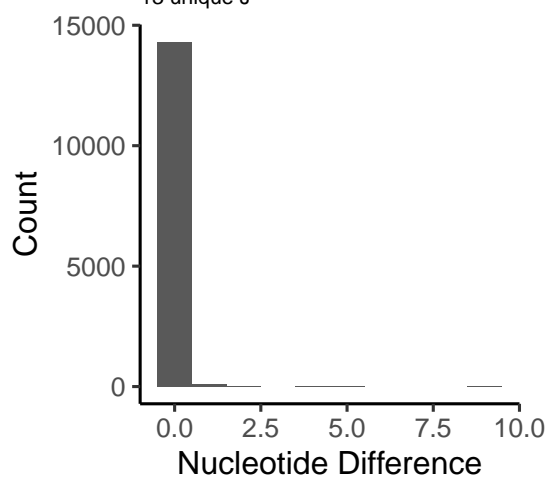
TRBV7-7*ap01_C315T

1535 sequences assigned
1520 (99%) exact matches, in which:
1499 unique CDR3
13 unique J

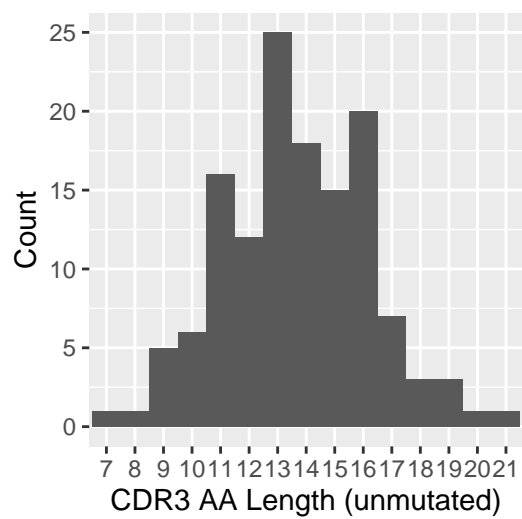


TRBV7-9*ap01

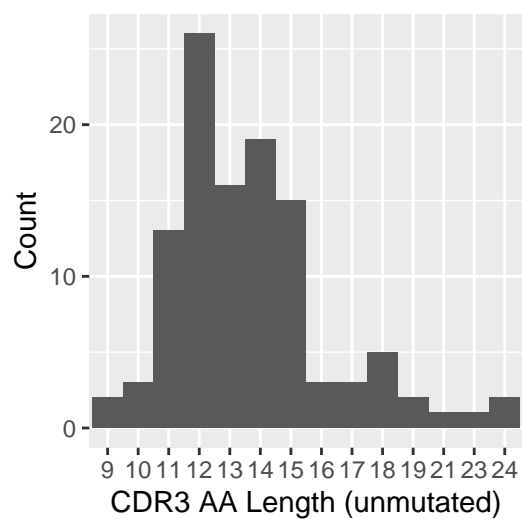
14437 sequences assigned
14314 (99.1%) exact matches, in which:
14143 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

