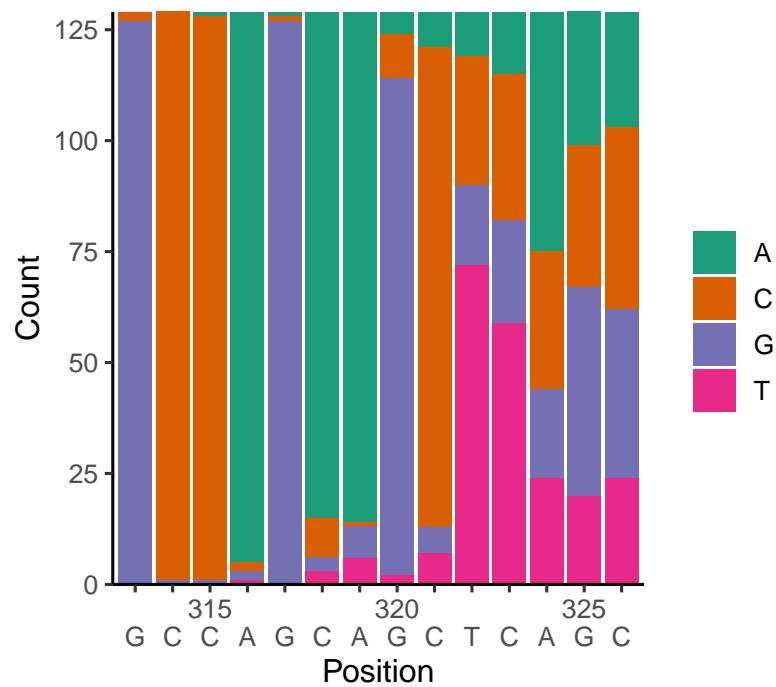
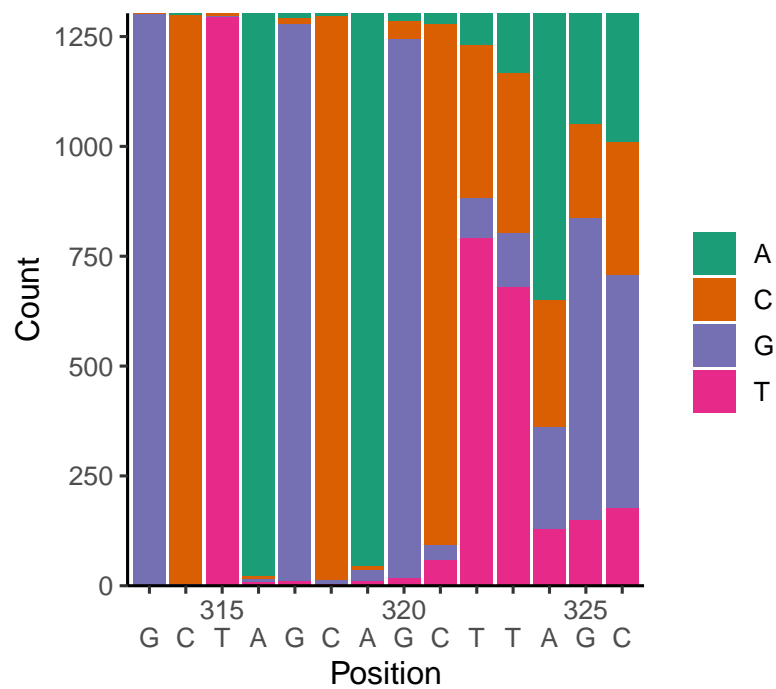


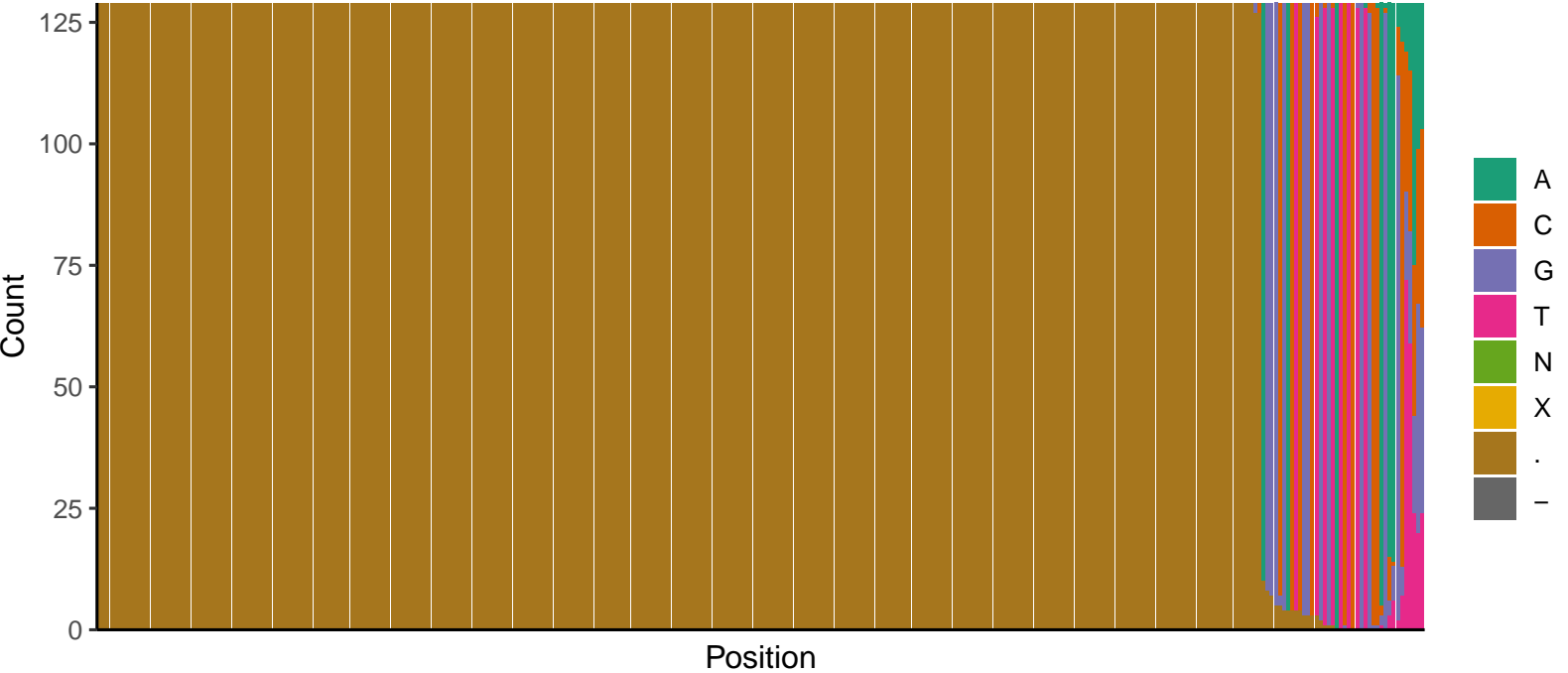
Gene TRBV7-1*ap01_G291C_T296C



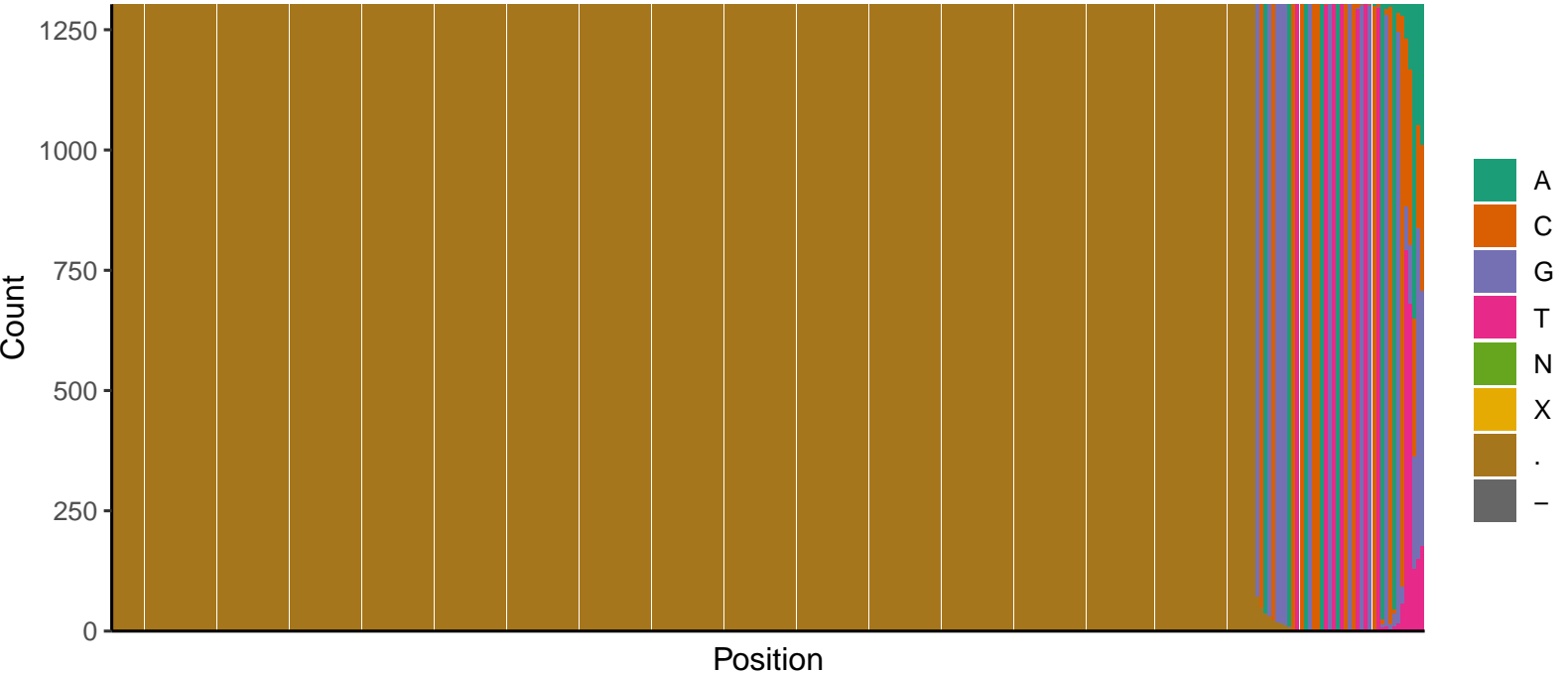
Gene TRBV7-7*ap01_C315T



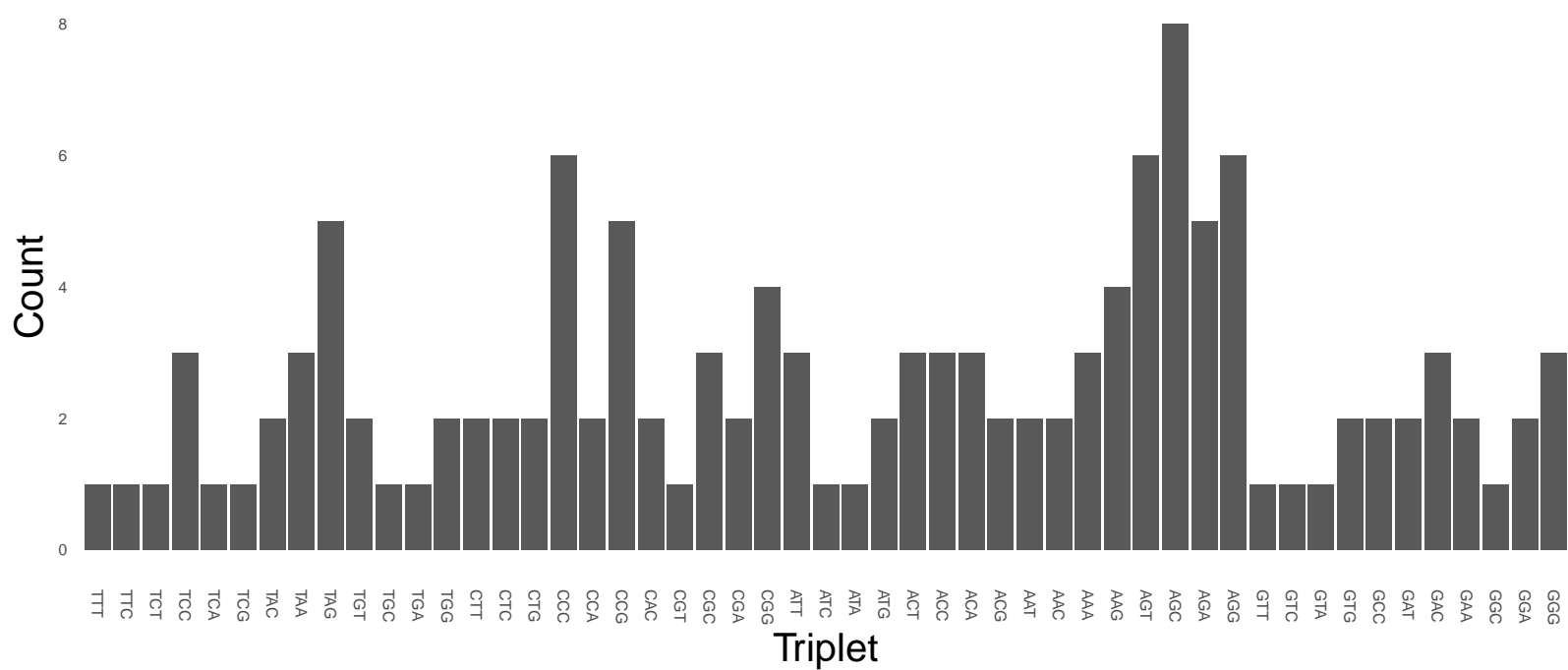
Gene TRBV7-1*ap01_G291C_T296C



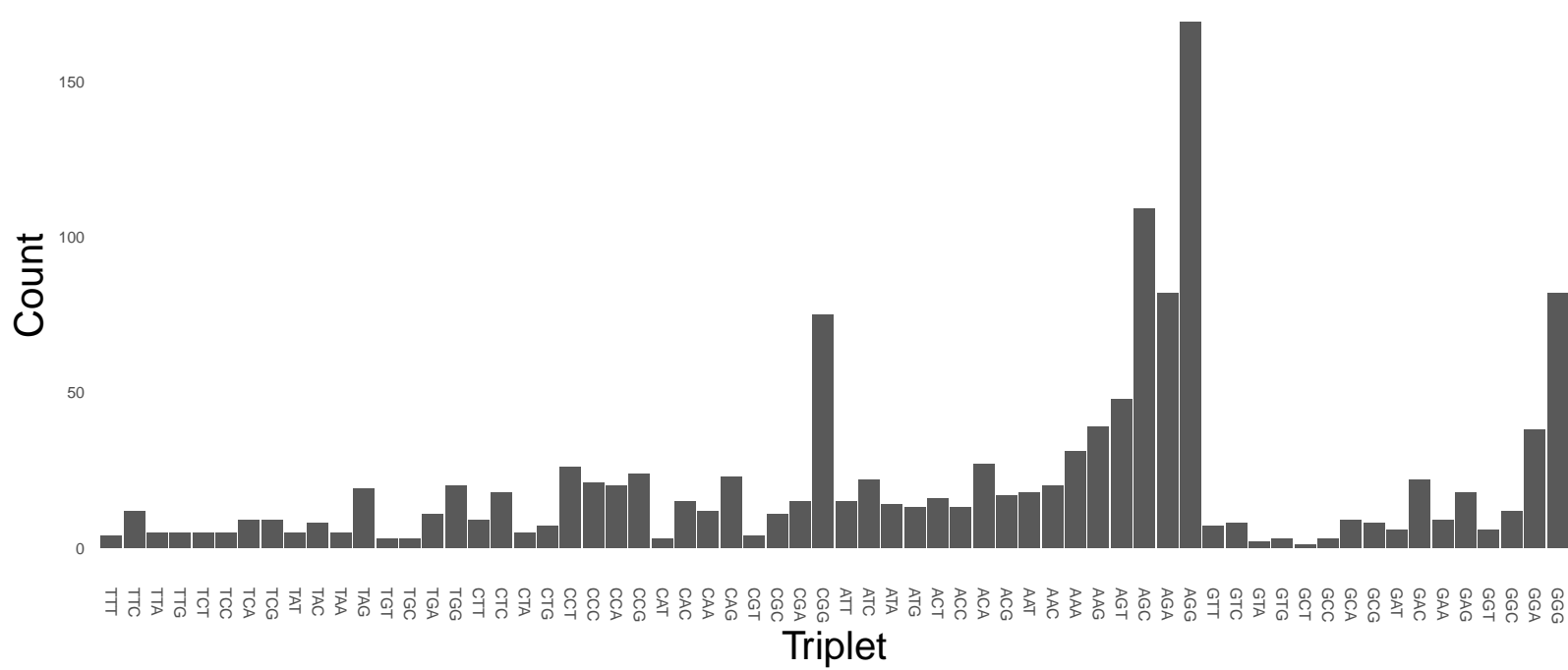
Gene TRBV7-7*ap01_C315T



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

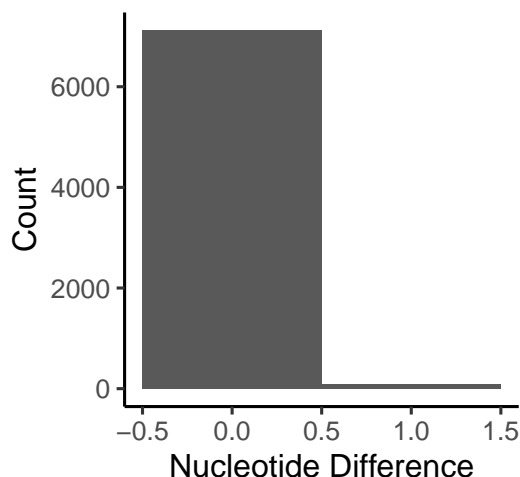


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



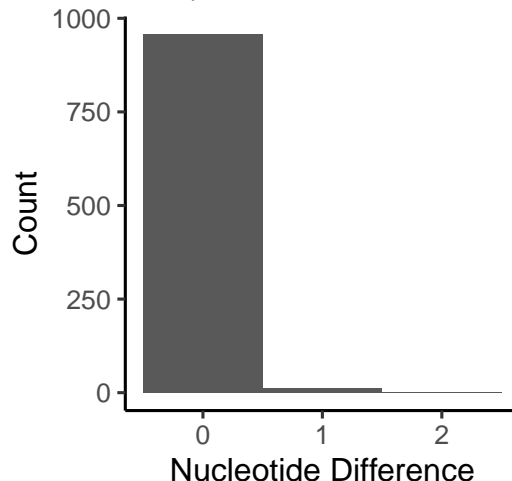
TRBV20-1*ap01

7212 sequences assigned
7119 (98.7%) exact matches, in which:
7032 unique CDR3
13 unique J



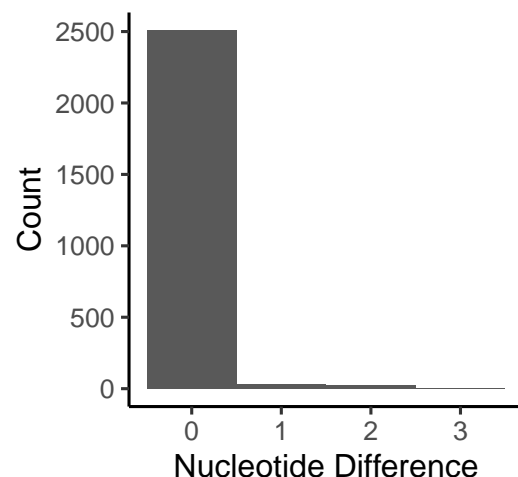
TRBV10-2*ap01

971 sequences assigned
957 (98.6%) exact matches, in which:
946 unique CDR3
13 unique J



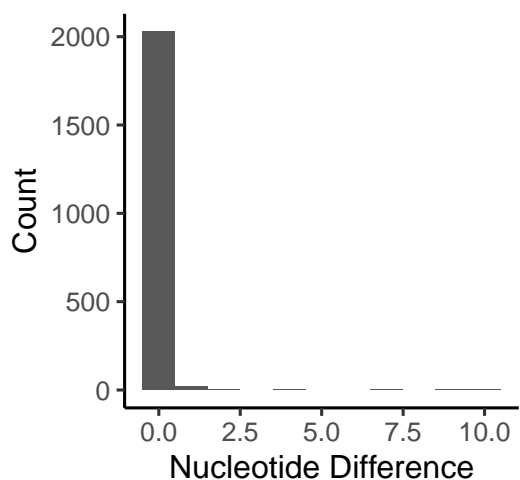
TRBV13*ap01

2566 sequences assigned
2508 (97.7%) exact matches, in which:
2455 unique CDR3
13 unique J



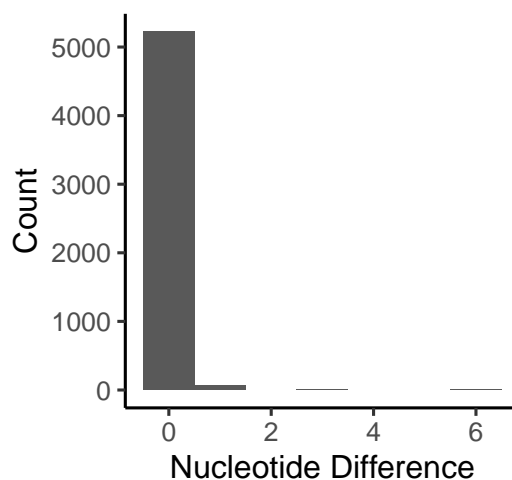
TRBV10-1*ap01

2054 sequences assigned
2028 (98.7%) exact matches, in which:
1999 unique CDR3
13 unique J



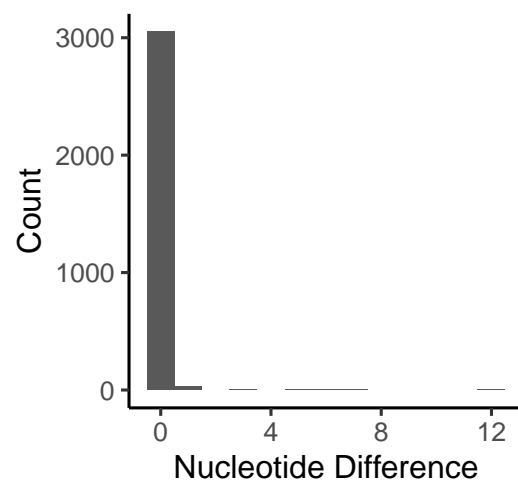
TRBV10-3*ap01

5292 sequences assigned
5223 (98.7%) exact matches, in which:
5143 unique CDR3
13 unique J



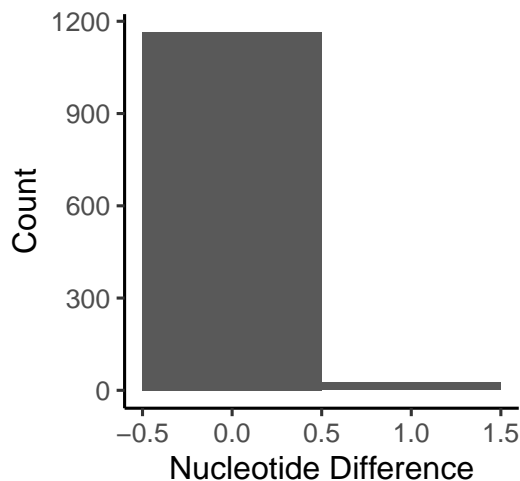
TRBV14*ap01

3092 sequences assigned
3051 (98.7%) exact matches, in which:
3016 unique CDR3
13 unique J



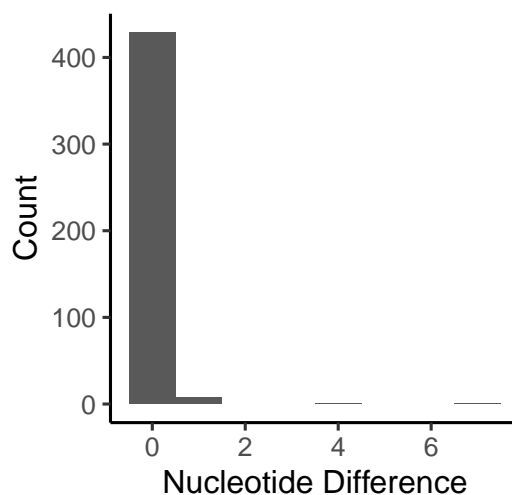
TRBV20-1*ap02

1191 sequences assigned
1165 (97.8%) exact matches, in which:
1158 unique CDR3
13 unique J



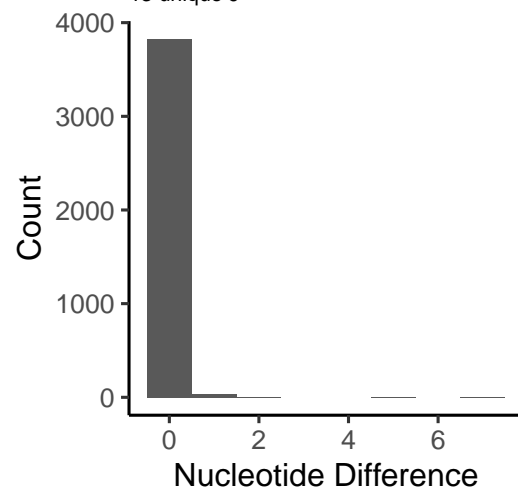
TRBV1*ap01

439 sequences assigned
429 (97.7%) exact matches, in which:
421 unique CDR3
13 unique J



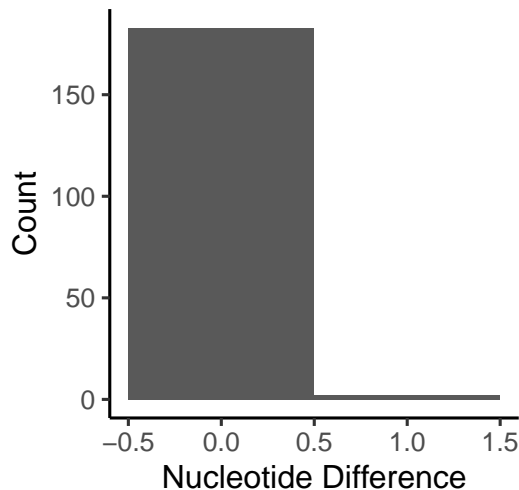
TRBV15*ap02

3864 sequences assigned
3825 (99%) exact matches, in which:
3740 unique CDR3
13 unique J



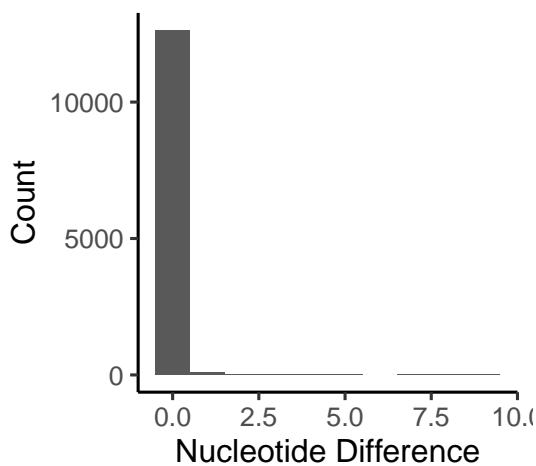
TRBV16*ap01

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



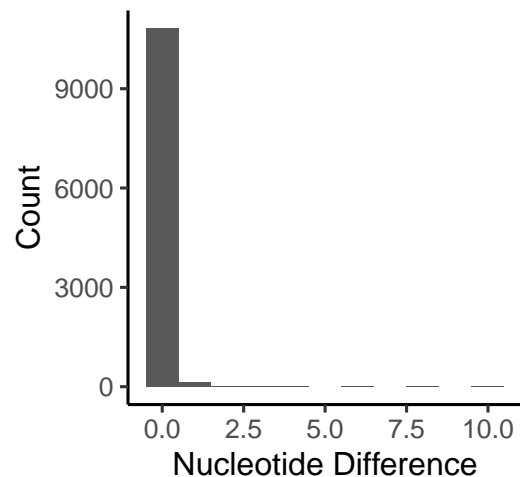
TRBV19*ap01

12735 sequences assigned
12636 (99.2%) exact matches, in which:
12489 unique CDR3
13 unique J



TRBV27*ap01

10959 sequences assigned
10821 (98.7%) exact matches, in which:
10627 unique CDR3
13 unique J



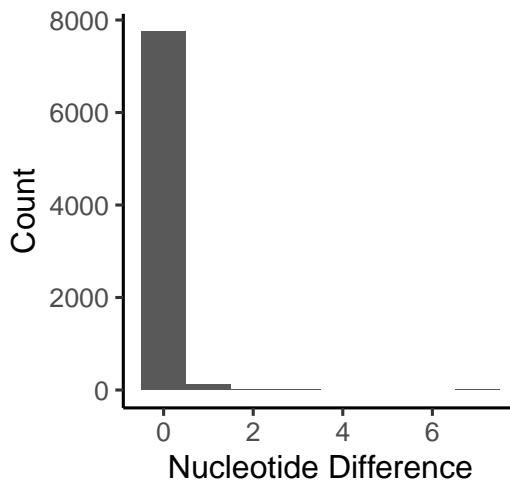
TRBV17*ap01

1 sequences assigned
No exact matches.



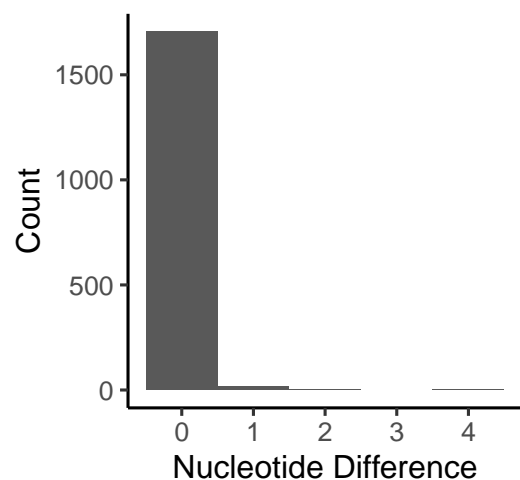
TRBV2*ap01

7866 sequences assigned
7747 (98.5%) exact matches, in which:
7634 unique CDR3
13 unique J



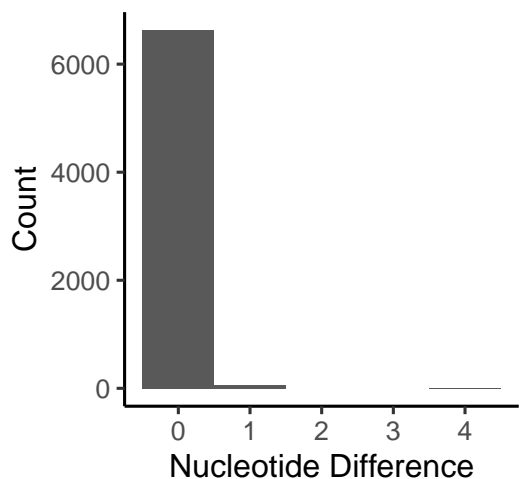
TRBV28*ap01

1724 sequences assigned
1705 (98.9%) exact matches, in which:
1678 unique CDR3
13 unique J



TRBV18*ap01

6692 sequences assigned
6631 (99.1%) exact matches, in which:
6568 unique CDR3
13 unique J



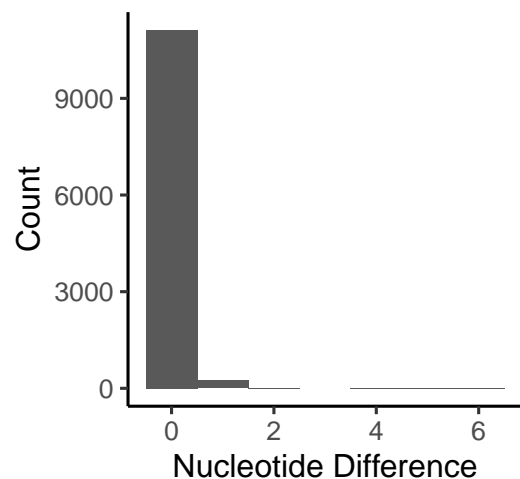
TRBV26*ap01

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



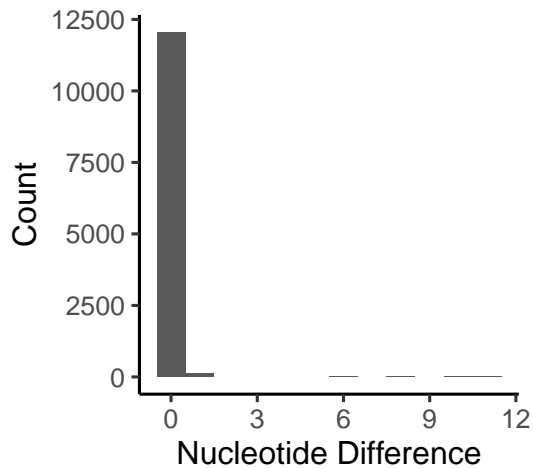
TRBV30*ap01

11376 sequences assigned
11121 (97.8%) exact matches, in which:
10782 unique CDR3
13 unique J



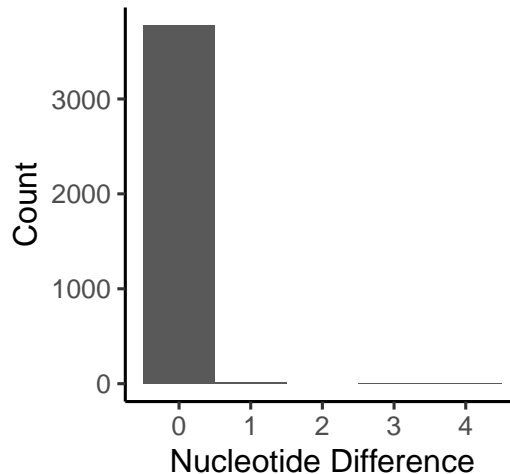
TRBV9*ap01

12168 sequences assigned
12055 (99.1%) exact matches, in which:
11868 unique CDR3
13 unique J



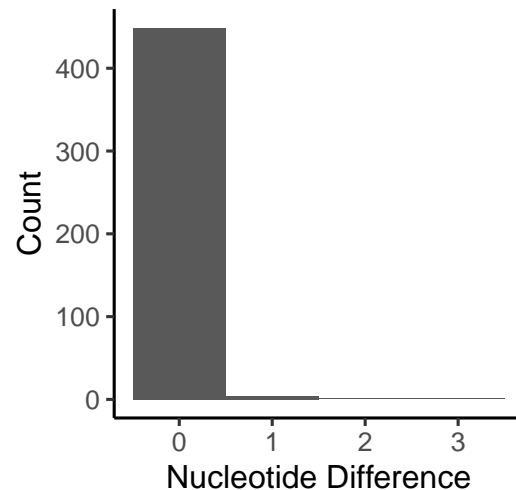
TRBV11-2*ap01

3788 sequences assigned
3775 (99.7%) exact matches, in which:
3741 unique CDR3
13 unique J



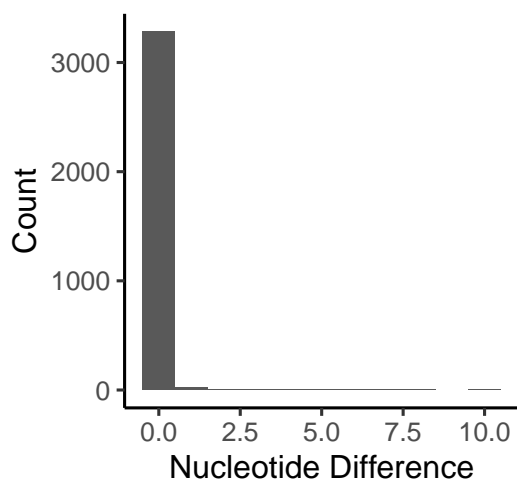
TRBV12-2*ap01

455 sequences assigned
449 (98.7%) exact matches, in which:
446 unique CDR3
13 unique J



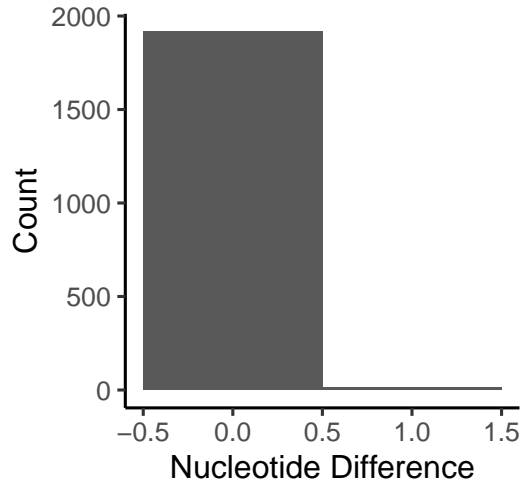
TRBV21-1*ap01

3332 sequences assigned
3282 (98.5%) exact matches, in which:
3256 unique CDR3
14 unique J



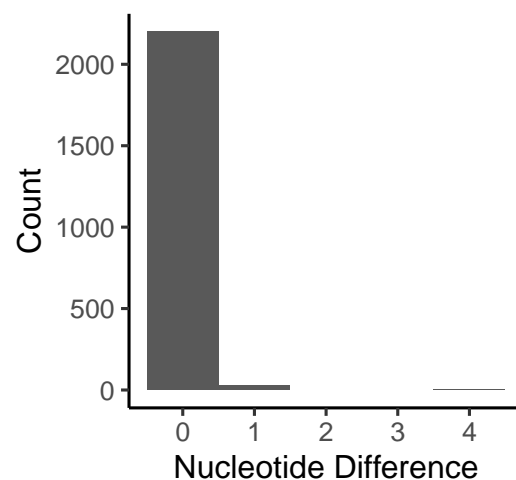
TRBV11-3*ap01

1929 sequences assigned
1916 (99.3%) exact matches, in which:
1899 unique CDR3
13 unique J



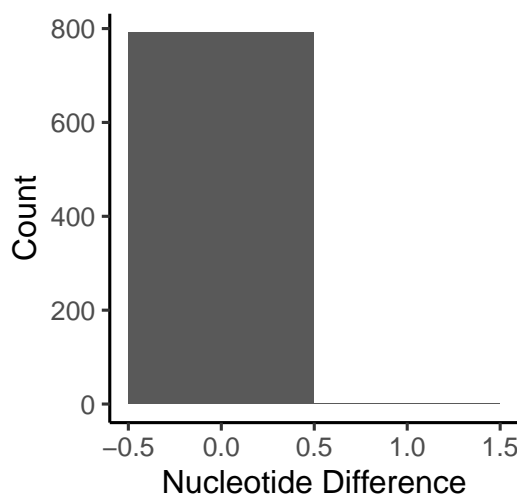
TRBV12-5*ap01

2230 sequences assigned
2200 (98.7%) exact matches, in which:
2171 unique CDR3
13 unique J



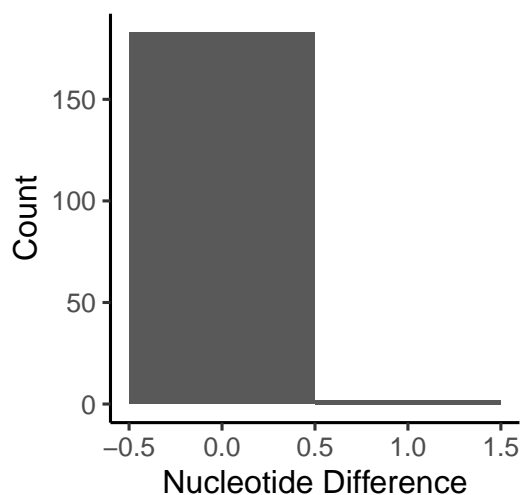
TRBV11-1*ap01

794 sequences assigned
792 (99.7%) exact matches, in which:
787 unique CDR3
13 unique J



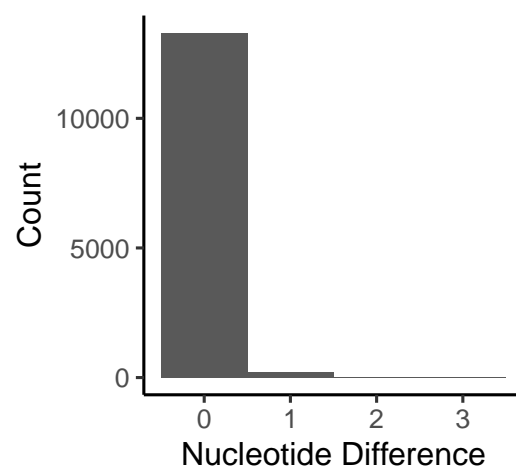
TRBV12-1*ap01

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



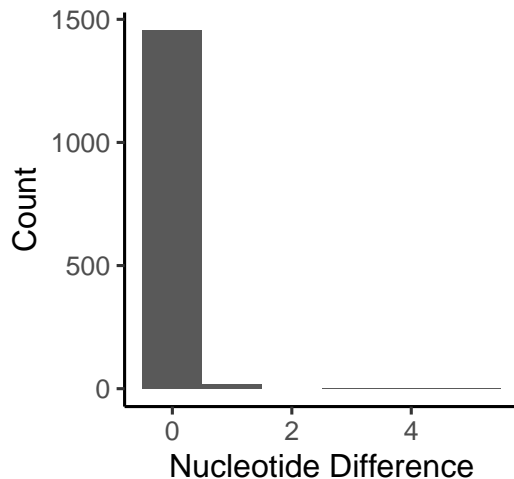
TRBV12-34*ap01

13538 sequences assigned
13300 (98.2%) exact matches, in which:
13067 unique CDR3
13 unique J



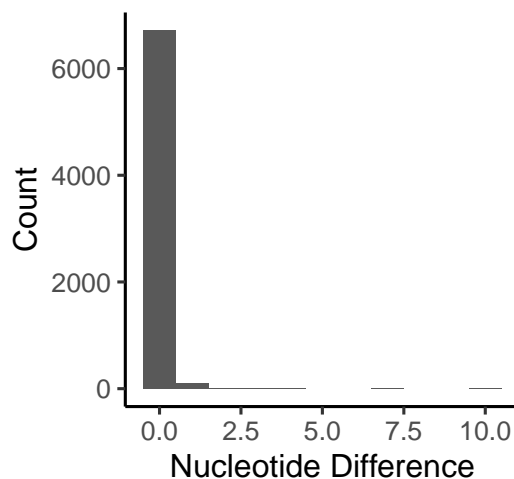
TRBV23-1*ap01

1479 sequences assigned
1455 (98.4%) exact matches, in which:
1427 unique CDR3
13 unique J



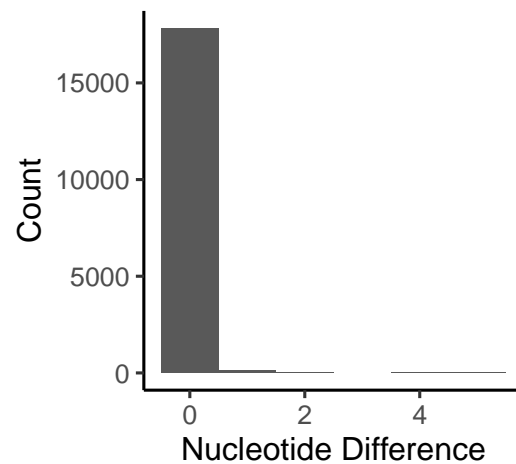
TRBV24-1*ap01

6838 sequences assigned
6715 (98.2%) exact matches, in which:
6597 unique CDR3
13 unique J



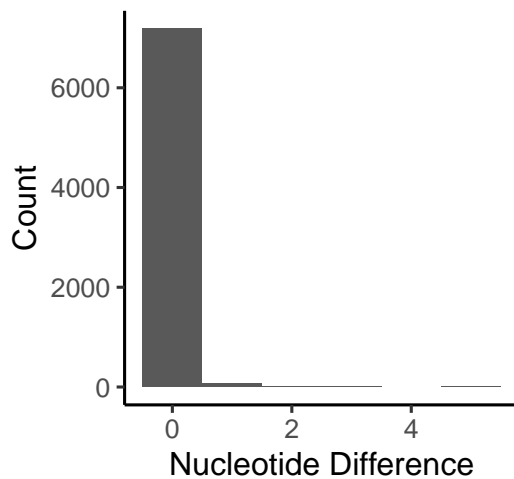
TRBV5-1*ap01

17993 sequences assigned
17831 (99.1%) exact matches, in which:
17436 unique CDR3
13 unique J



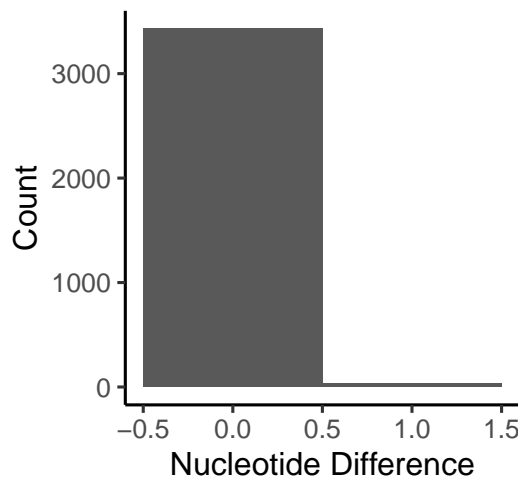
TRBV3-12*ap01

7255 sequences assigned
7184 (99%) exact matches, in which:
7106 unique CDR3
13 unique J



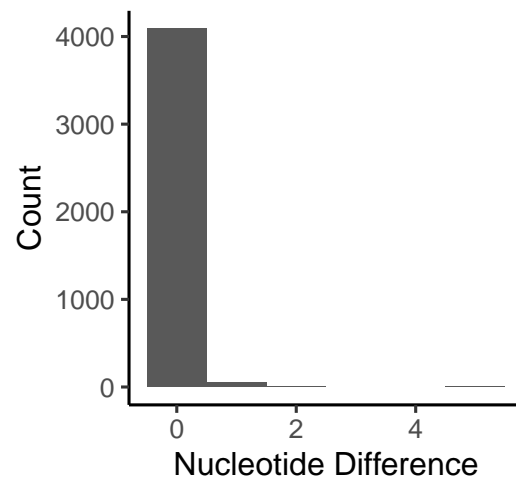
TRBV4-2*ap01

3463 sequences assigned
3430 (99%) exact matches, in which:
3365 unique CDR3
13 unique J



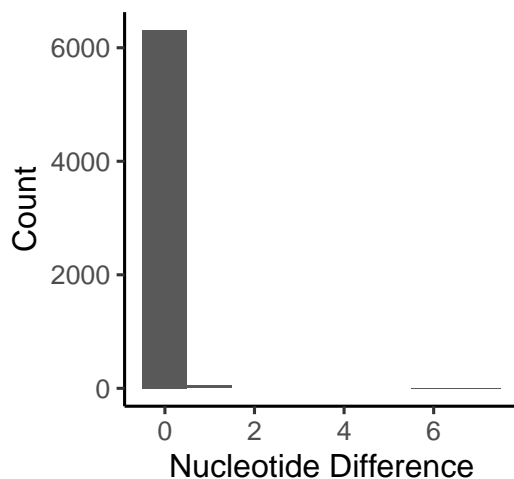
TRBV25-1*ap01

4144 sequences assigned
4089 (98.7%) exact matches, in which:
3982 unique CDR3
14 unique J



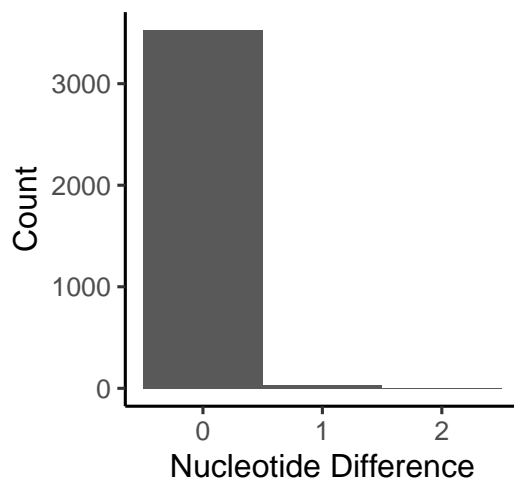
TRBV4-1*ap01

6366 sequences assigned
6312 (99.2%) exact matches, in which:
6178 unique CDR3
13 unique J



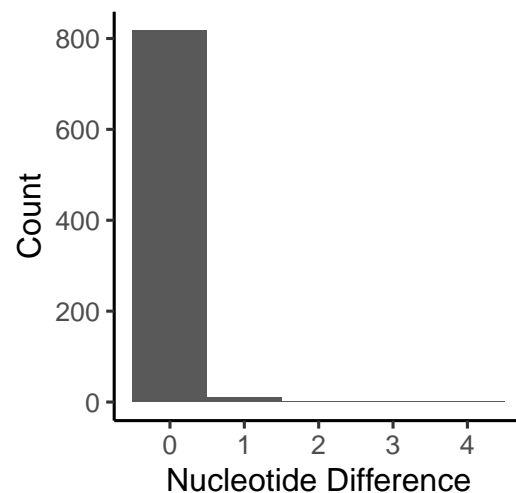
TRBV4-3*ap01

3559 sequences assigned
3528 (99.1%) exact matches, in which:
3463 unique CDR3
13 unique J



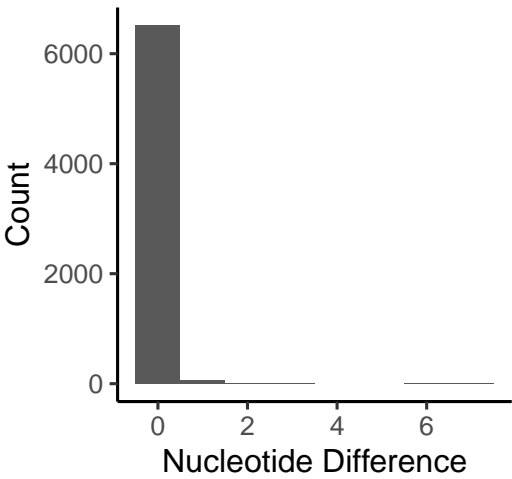
TRBV5-3*ap01

833 sequences assigned
818 (98.2%) exact matches, in which:
802 unique CDR3
13 unique J



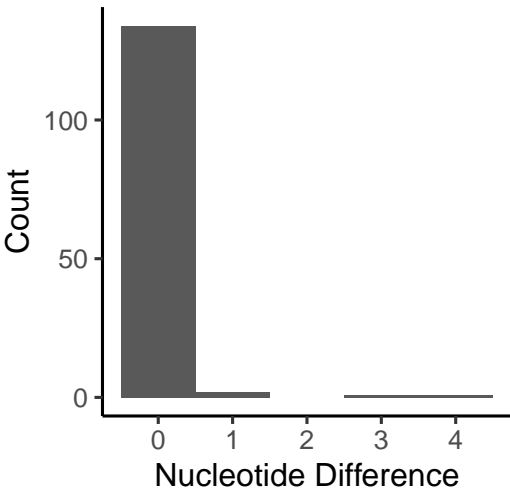
TRBV5-4*ap01

6590 sequences assigned
6514 (98.8%) exact matches, in which:
6371 unique CDR3
13 unique J



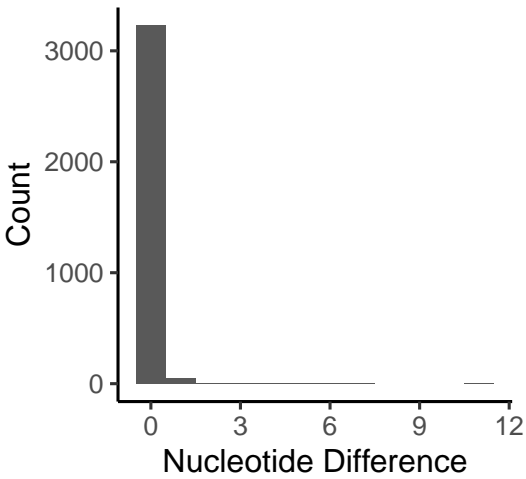
TRBV5-7*ap01

138 sequences assigned
134 (97.1%) exact matches, in which:
131 unique CDR3
13 unique J



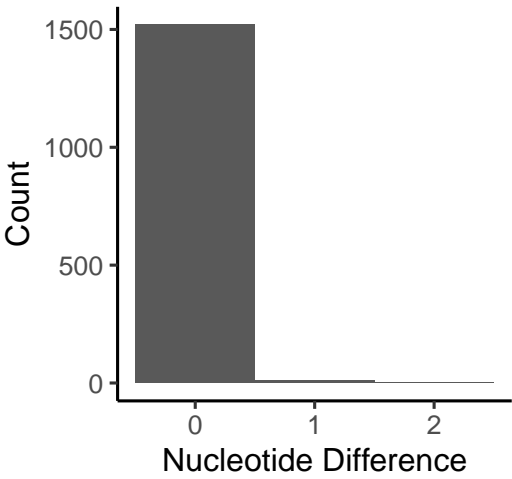
TRBV6-4*ap01

3289 sequences assigned
3229 (98.2%) exact matches, in which:
3199 unique CDR3
13 unique J



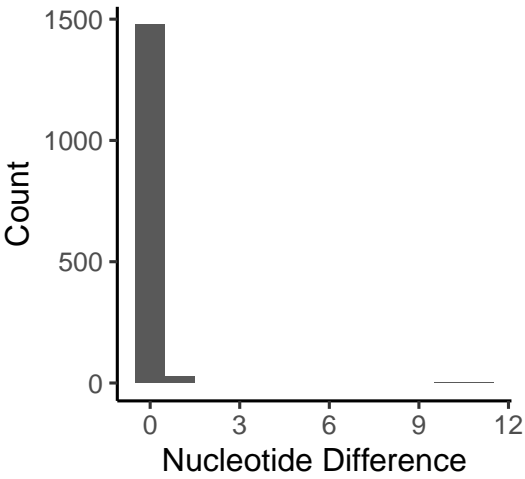
TRBV5-5*ap01

1533 sequences assigned
1520 (99.2%) exact matches, in which:
1509 unique CDR3
13 unique J



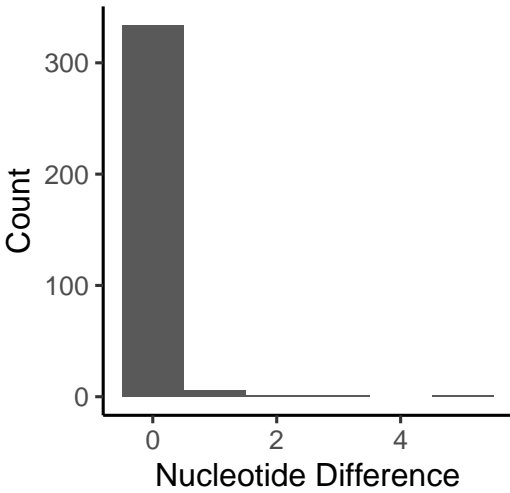
TRBV5-8*ap01

1506 sequences assigned
1477 (98.1%) exact matches, in which:
1468 unique CDR3
13 unique J



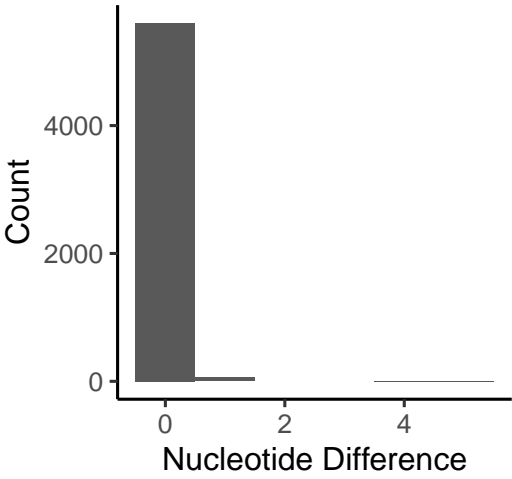
TRBV6-7*ap01

343 sequences assigned
334 (97.4%) exact matches, in which:
325 unique CDR3
12 unique J



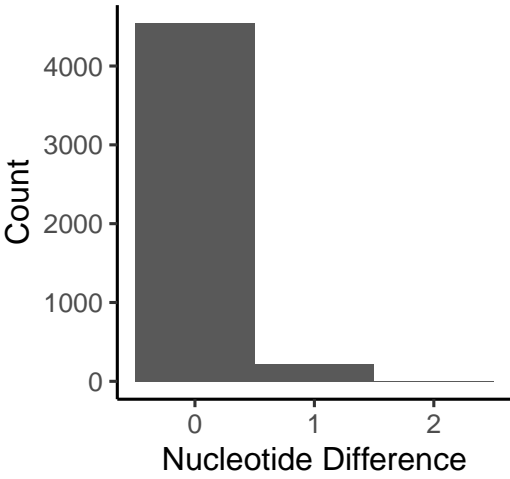
TRBV5-6*ap01

5668 sequences assigned
5604 (98.9%) exact matches, in which:
5444 unique CDR3
13 unique J



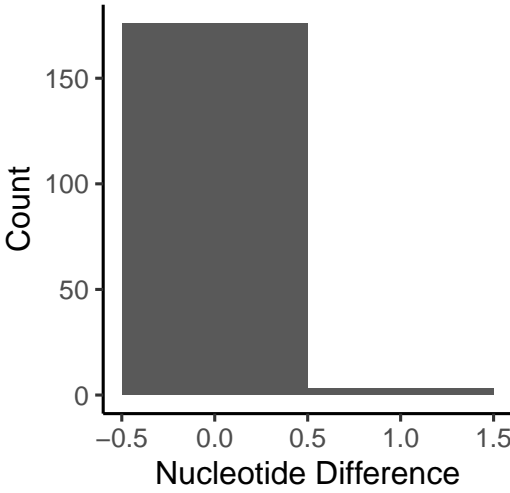
TRBV6-1*ap01

4767 sequences assigned
4545 (95.3%) exact matches, in which:
4455 unique CDR3
13 unique J



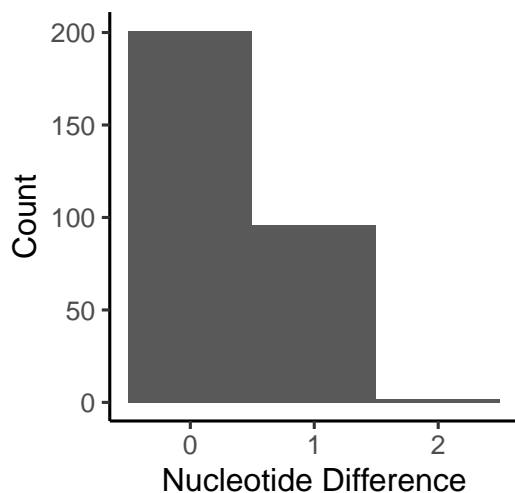
TRBV6-8*ap01

179 sequences assigned
176 (98.3%) exact matches, in which:
172 unique CDR3
13 unique J



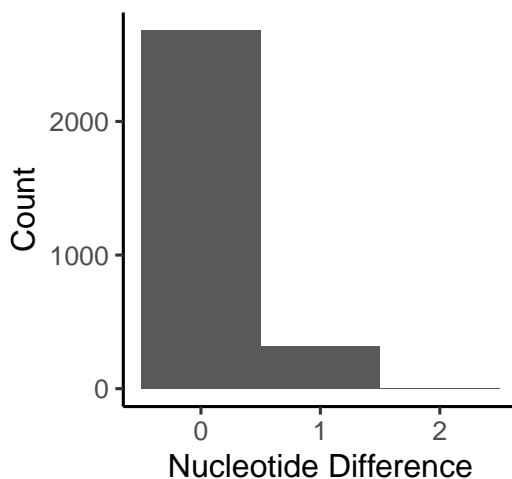
TRBV6-9*ap01

299 sequences assigned
201 (67.2%) exact matches, in which:
195 unique CDR3
13 unique J



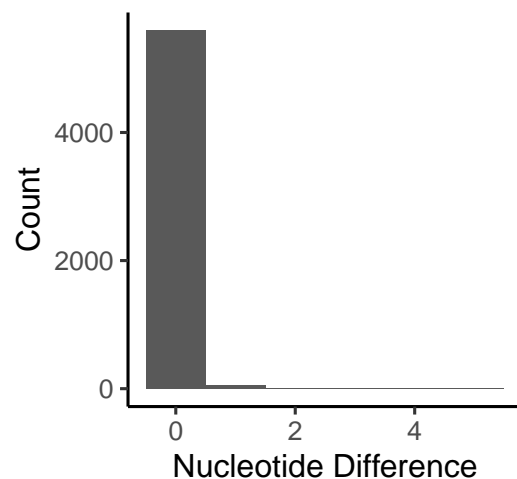
TRBV6-56*ap02

3002 sequences assigned
2681 (89.3%) exact matches, in which:
2615 unique CDR3
13 unique J



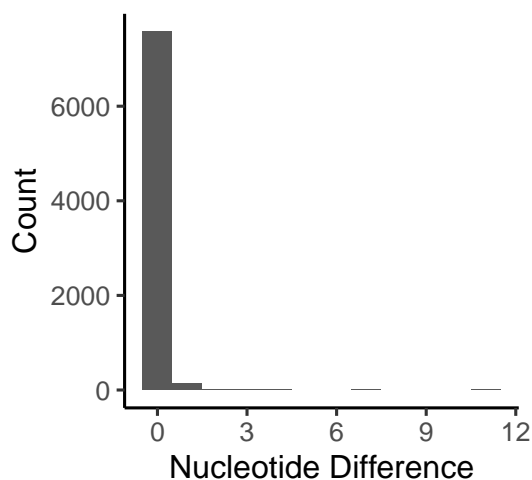
TRBV7-3*ap01

5648 sequences assigned
5594 (99%) exact matches, in which:
5521 unique CDR3
13 unique J



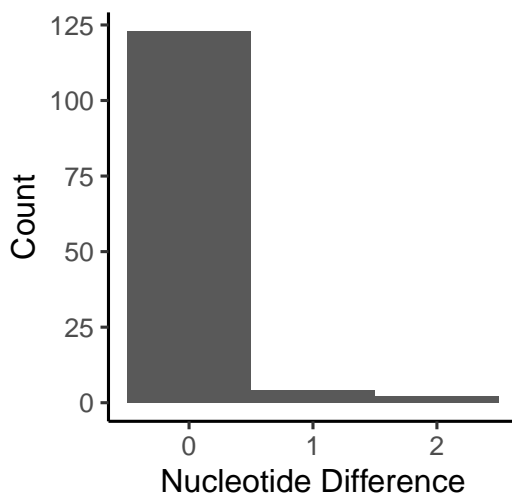
TRBV6-23*ap01

7719 sequences assigned
7575 (98.1%) exact matches, in which:
7390 unique CDR3
13 unique J



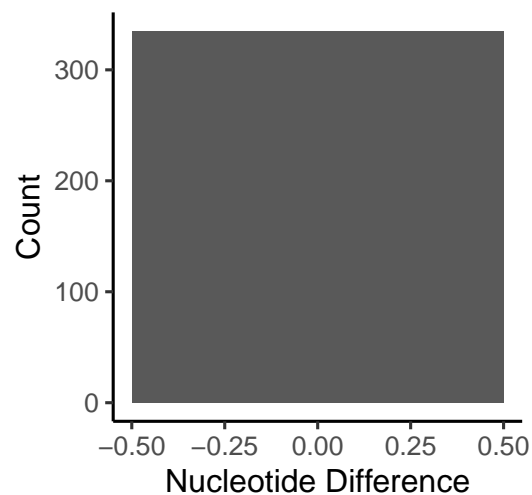
TRBV7-1*ap01_G291C_

129 sequences assigned
123 (95.3%) exact matches, in which:
120 unique CDR3
12 unique J



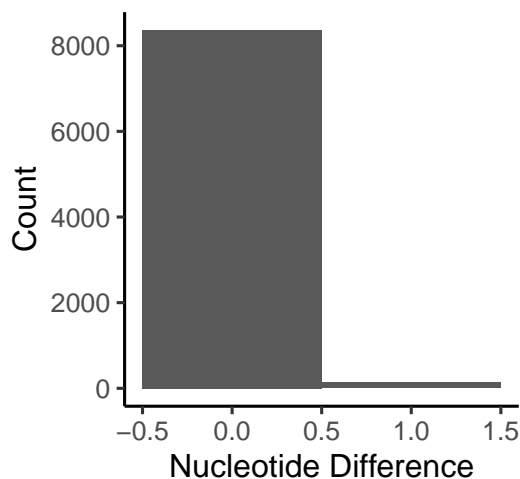
TRBV7-4*ap01

335 sequences assigned
335 (100%) exact matches, in which:
331 unique CDR3
13 unique J



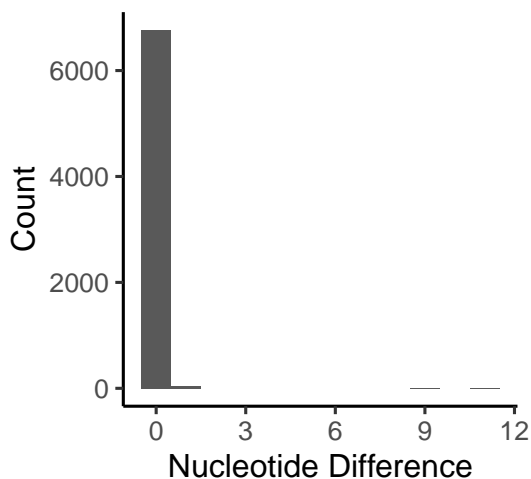
TRBV6-56*ap01

8499 sequences assigned
8366 (98.4%) exact matches, in which:
8177 unique CDR3
13 unique J



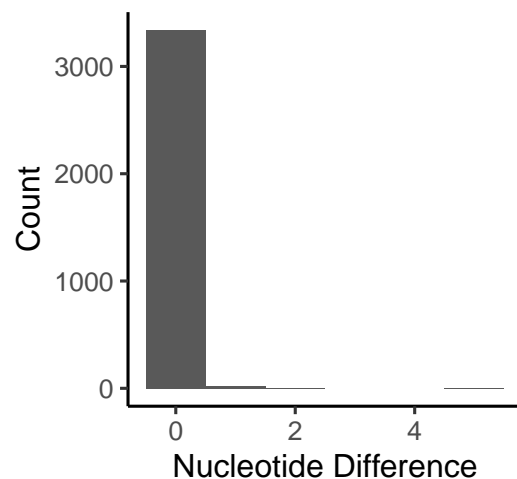
TRBV7-2*ap01

6816 sequences assigned
6765 (99.3%) exact matches, in which:
6669 unique CDR3
13 unique J



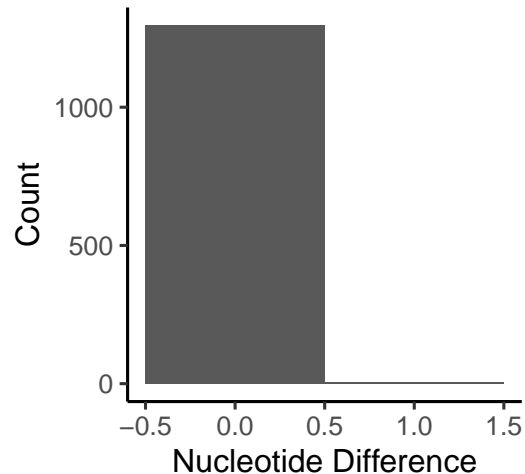
TRBV7-6*ap01

3364 sequences assigned
3339 (99.3%) exact matches, in which:
3273 unique CDR3
13 unique J



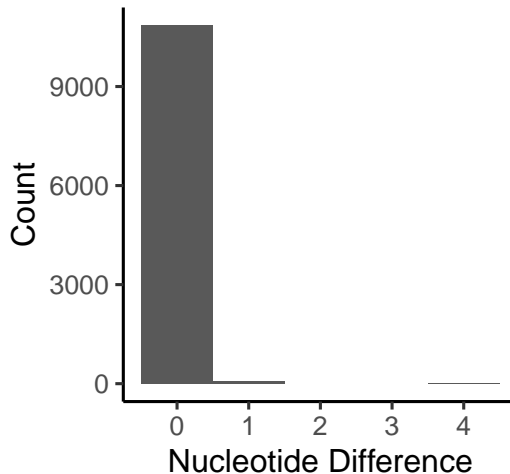
TRBV7-7*ap01_C315T

1303 sequences assigned
1296 (99.5%) exact matches, in which:
1269 unique CDR3
13 unique J



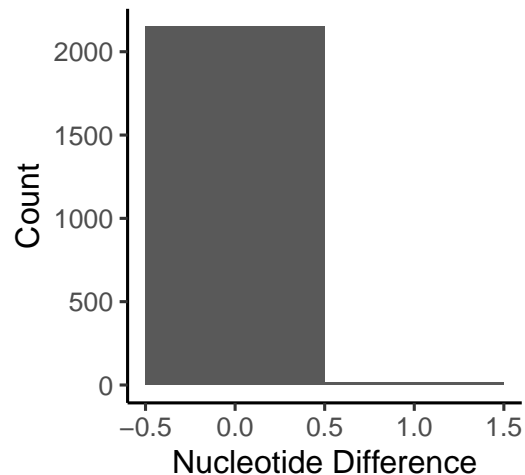
TRBV7-9*ap01

10918 sequences assigned
10851 (99.4%) exact matches, in which:
10700 unique CDR3
13 unique J



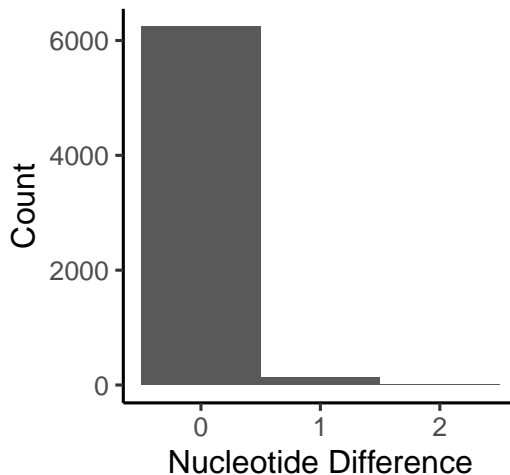
TRBV7-8*ap01

2168 sequences assigned
2150 (99.2%) exact matches, in which:
2112 unique CDR3
13 unique J



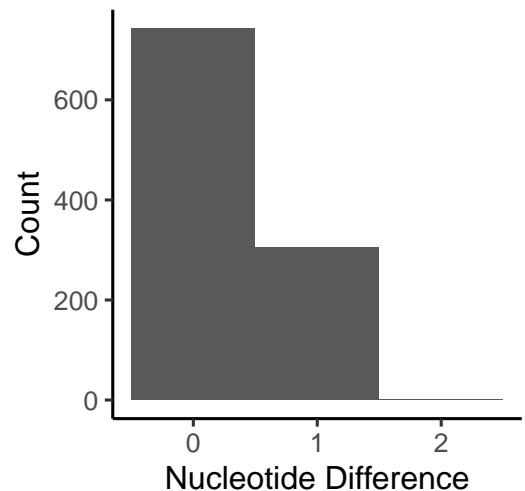
TRBV29-1*ap01

6379 sequences assigned
6240 (97.8%) exact matches, in which:
6051 unique CDR3
13 unique J



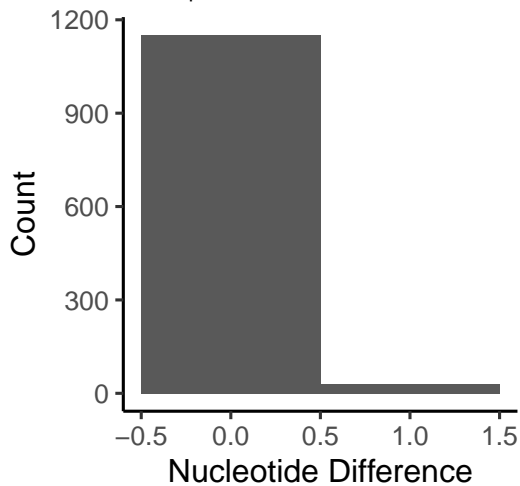
TRBV7-8*ap03

1049 sequences assigned
743 (70.8%) exact matches, in which:
733 unique CDR3
13 unique J

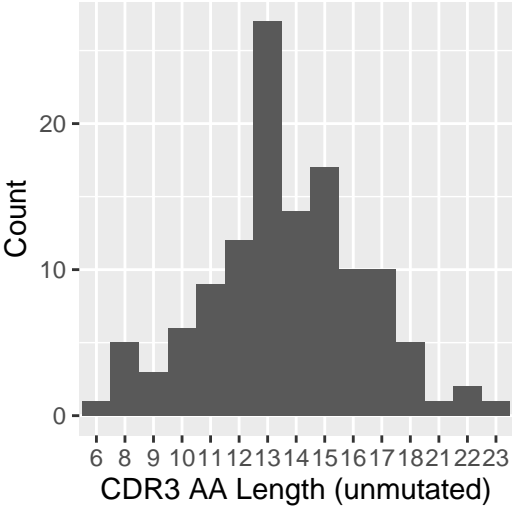


TRBV29-1*ap02

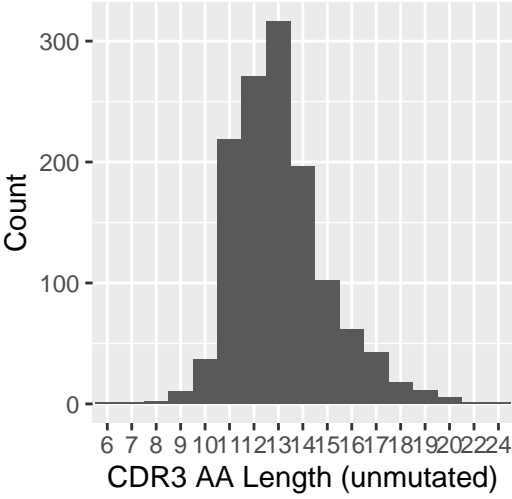
1181 sequences assigned
1151 (97.5%) exact matches, in which:
1118 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]