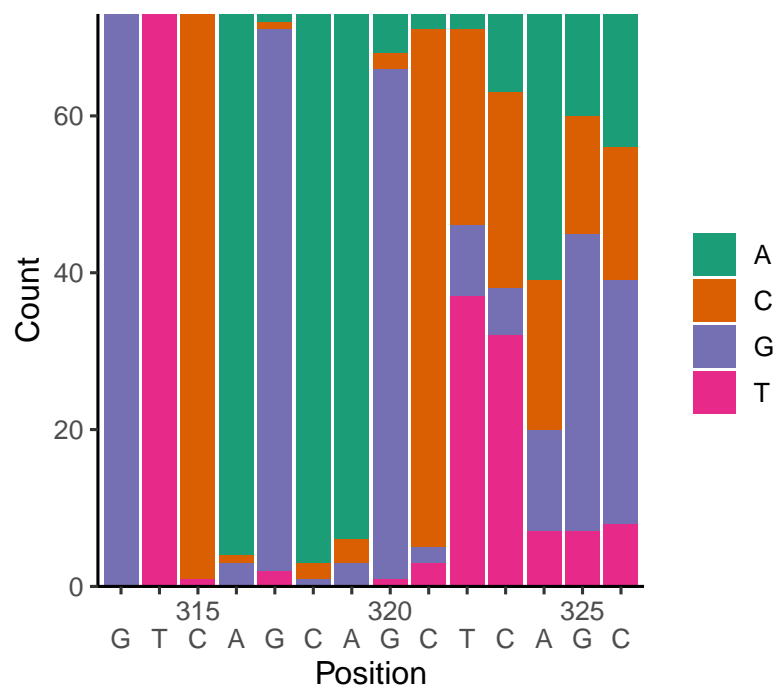
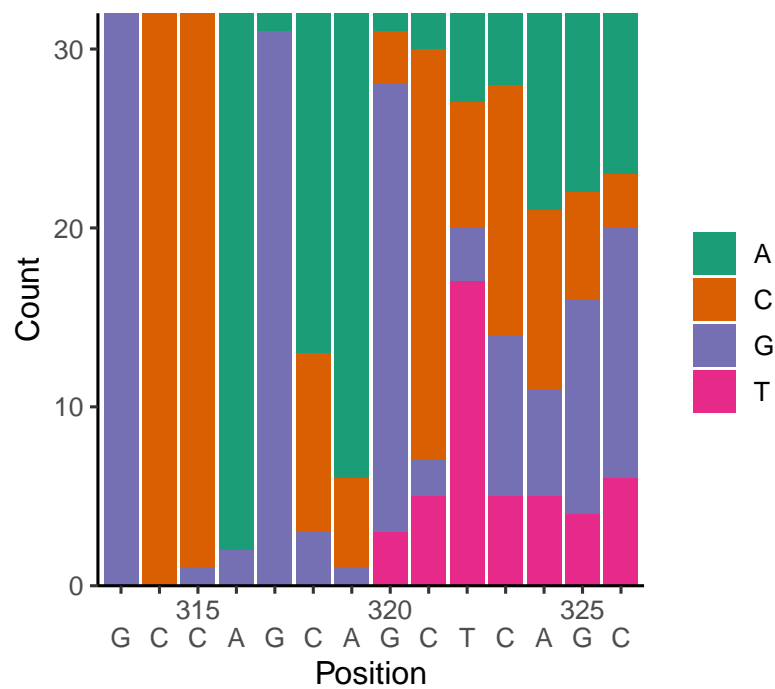


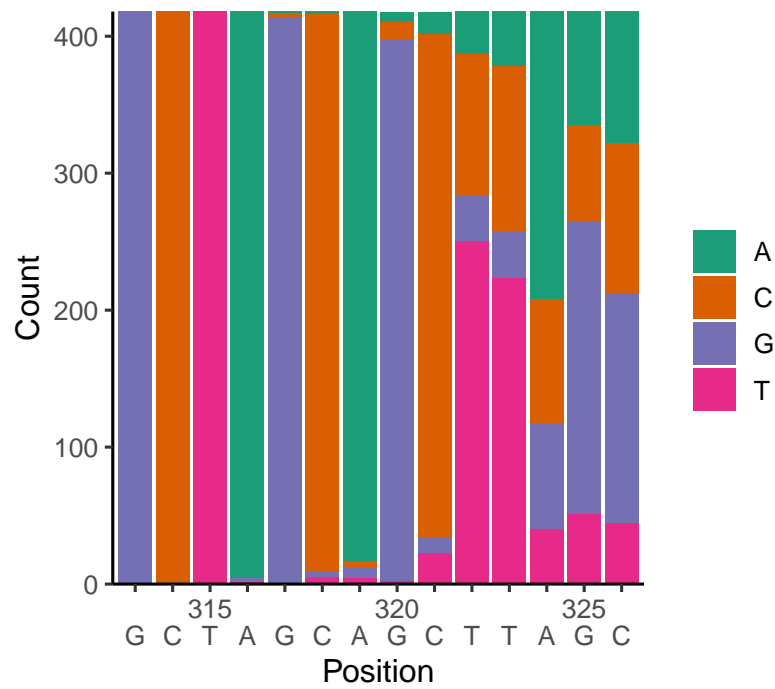
Gene TRBV7-1*ap01_T296C_C314T



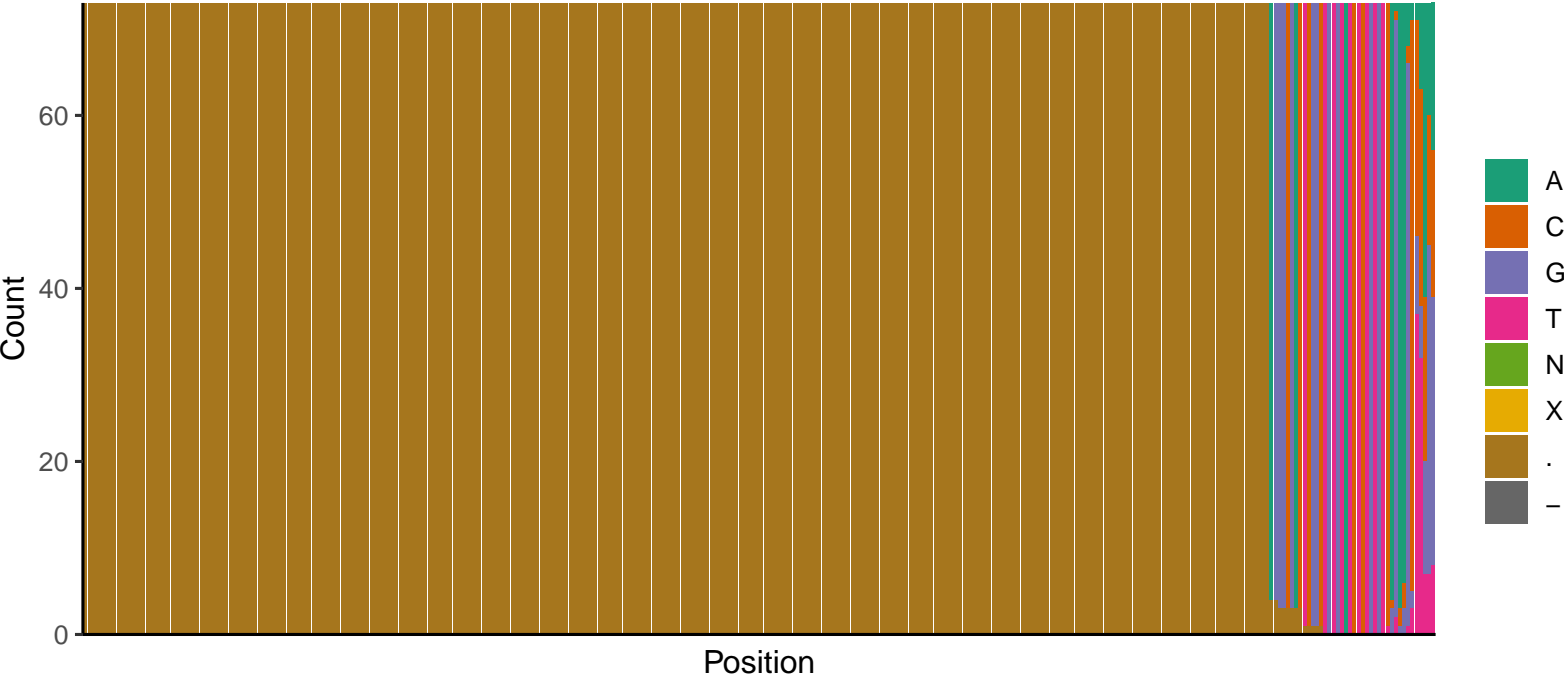
Gene TRBV7-1*ap01_T296C



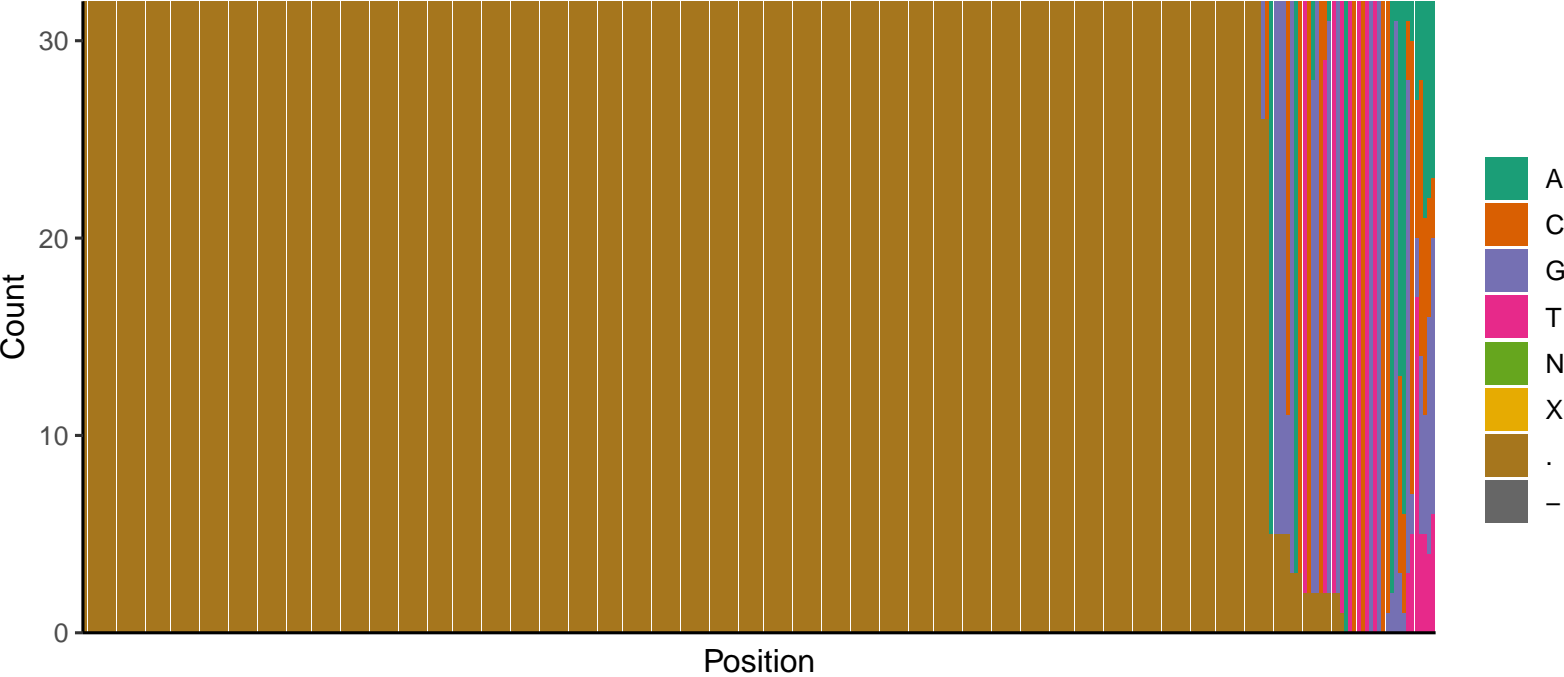
Gene TRBV7-7*ap01_C315T



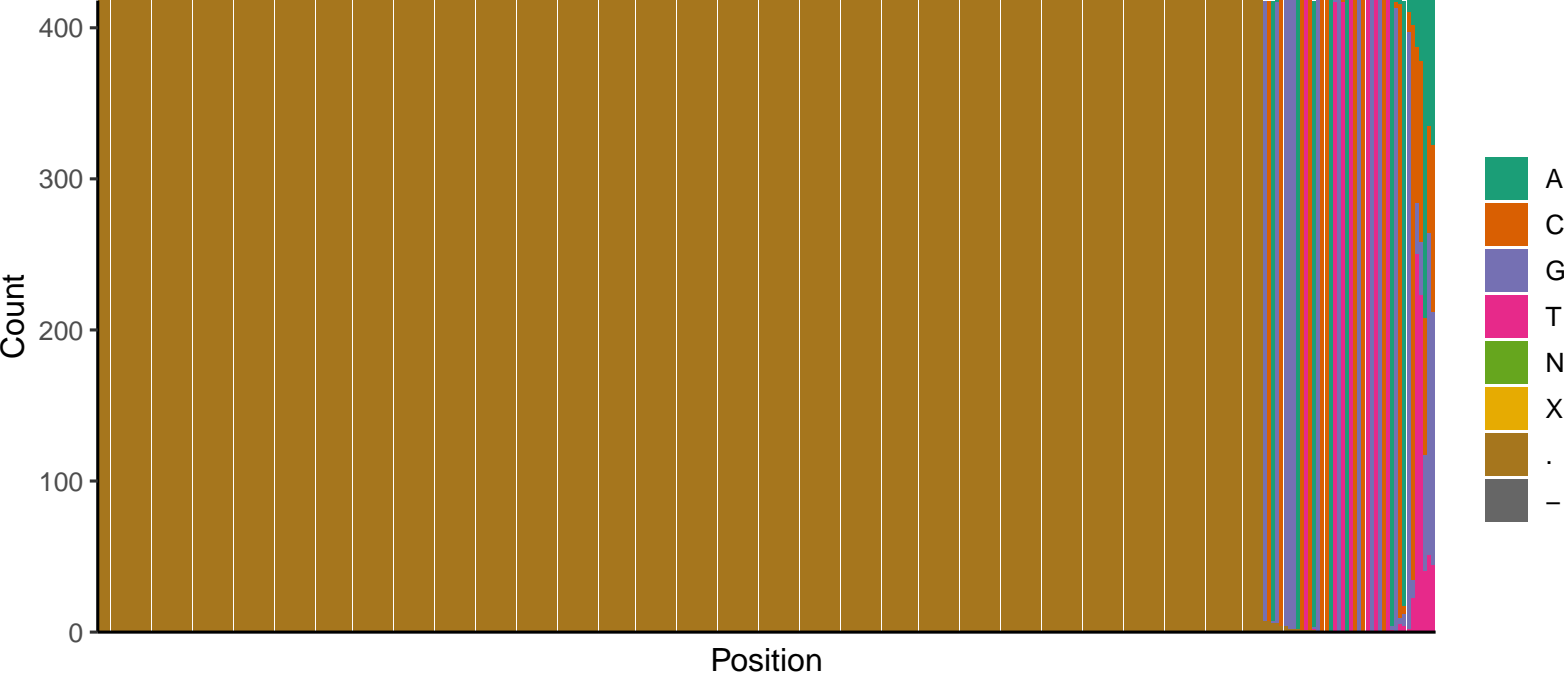
Gene TRBV7-1*ap01_T296C_C314T



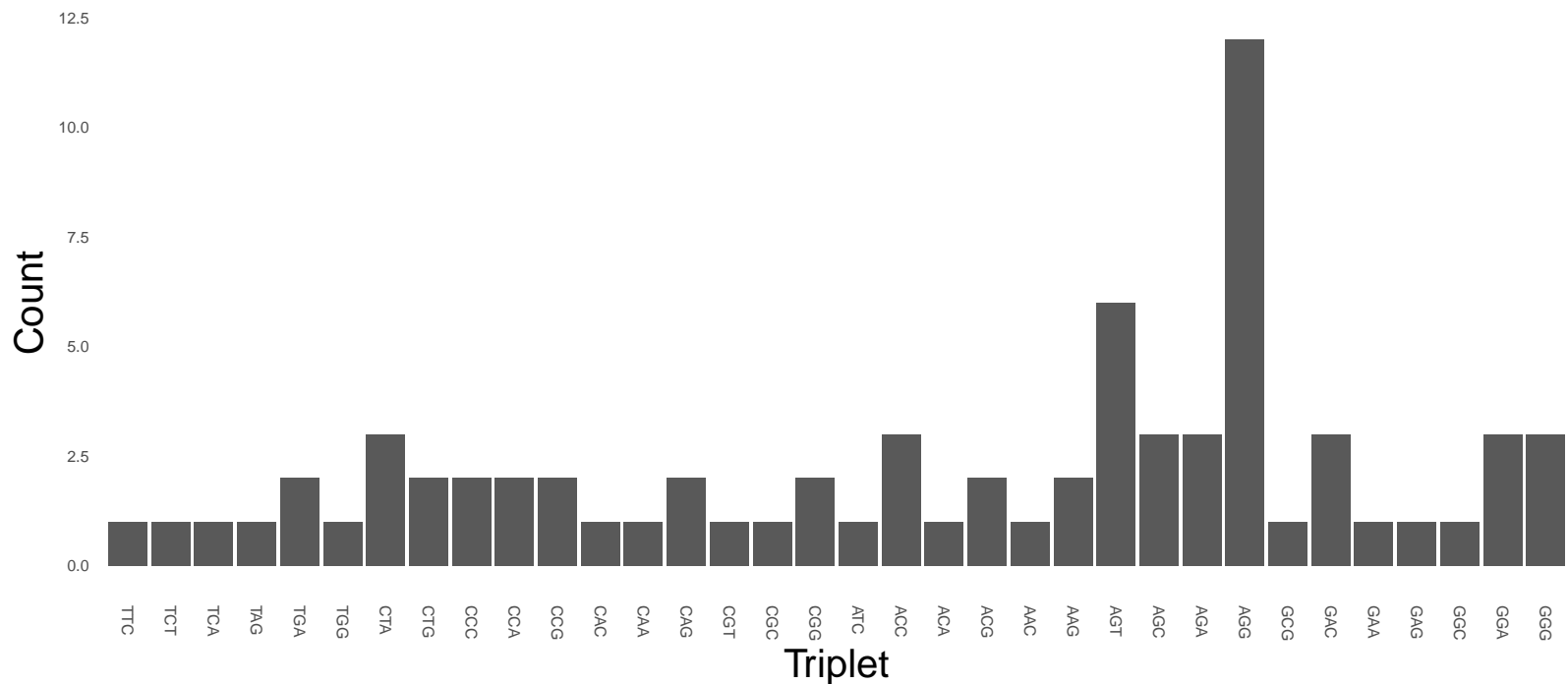
Gene TRBV7-1*ap01_T296C



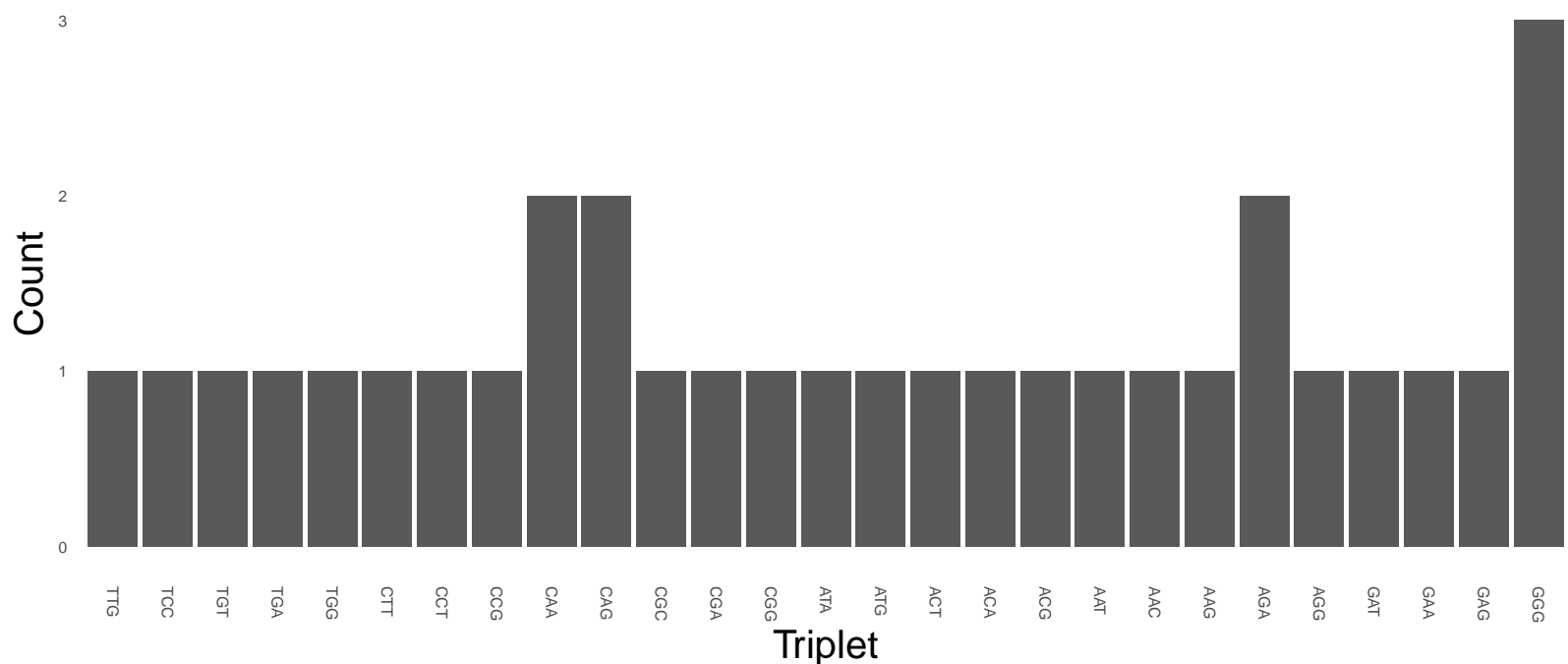
Gene TRBV7-7*ap01_C315T



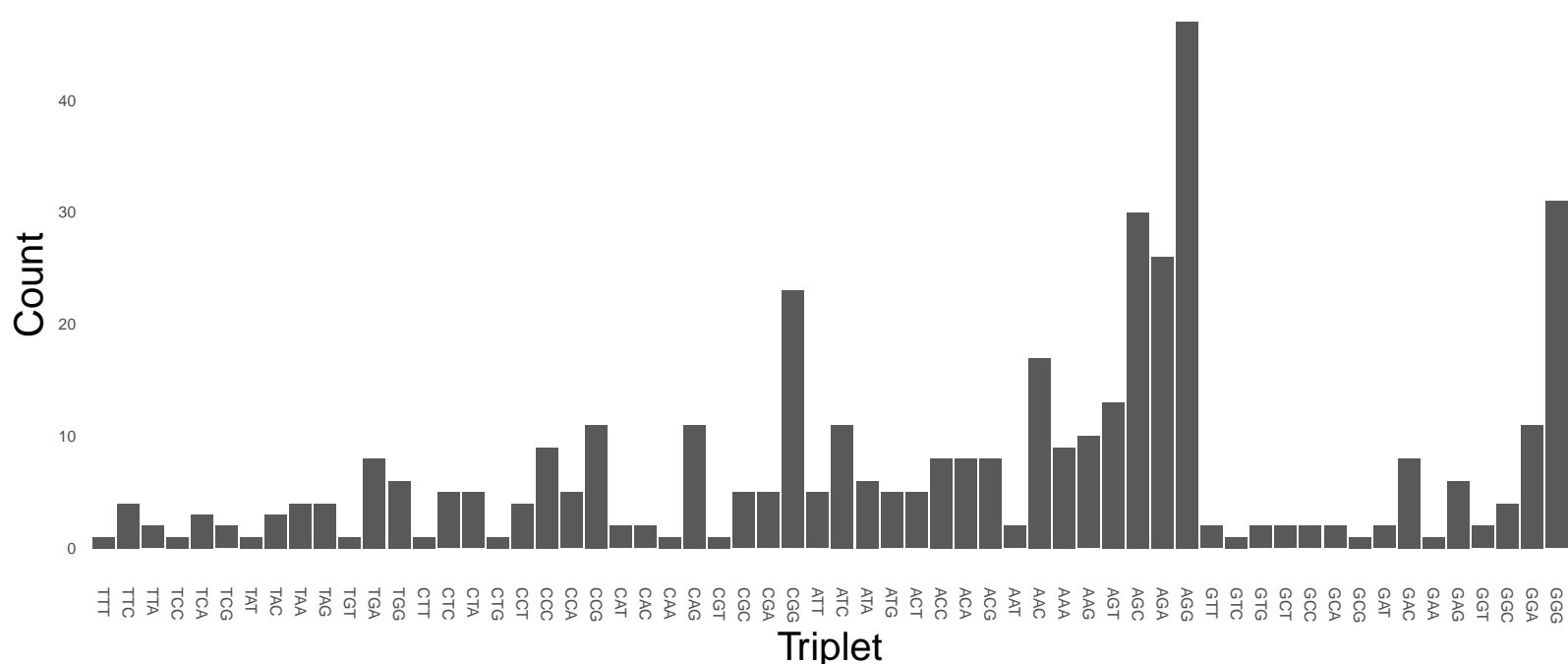
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

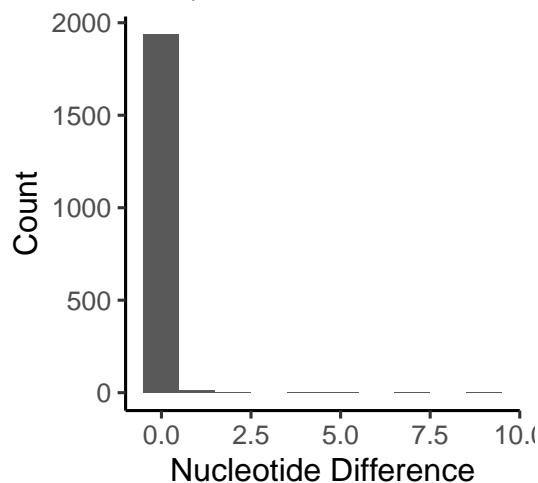


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



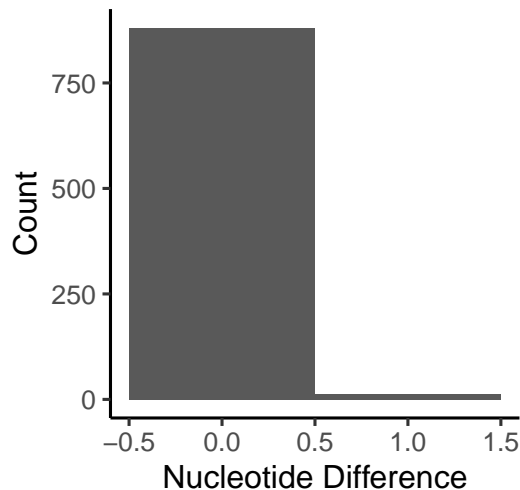
TRBV10-1*ap01

1956 sequences assigned
1937 (99%) exact matches, in which:
1916 unique CDR3
13 unique J



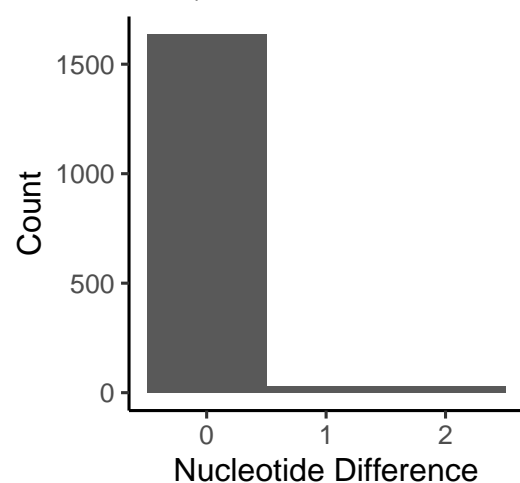
TRBV10-2*ap01

894 sequences assigned
881 (98.5%) exact matches, in which:
875 unique CDR3
13 unique J



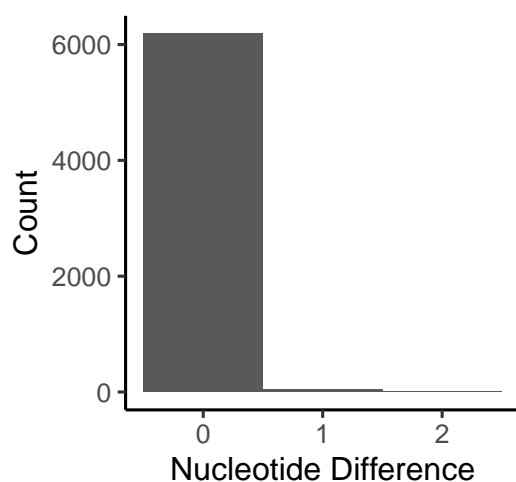
TRBV13*ap01

1695 sequences assigned
1636 (96.5%) exact matches, in which:
1616 unique CDR3
13 unique J



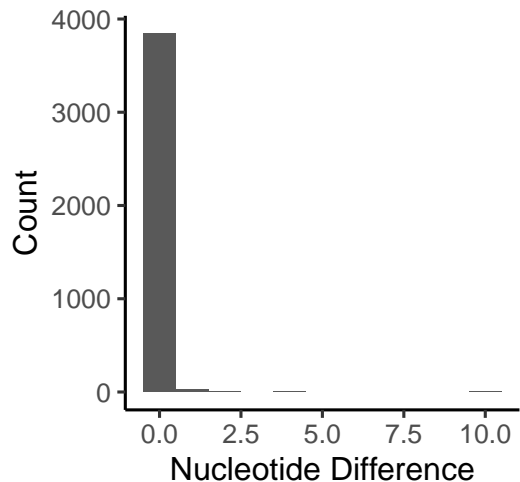
TRBV20-1*ap01

6234 sequences assigned
6187 (99.2%) exact matches, in which:
6146 unique CDR3
13 unique J



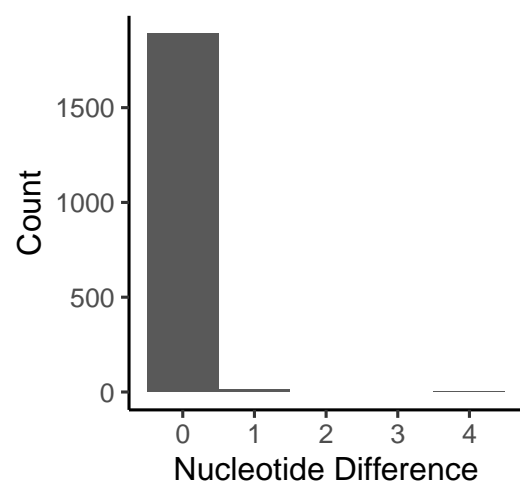
TRBV10-3*ap01

3873 sequences assigned
3842 (99.2%) exact matches, in which:
3808 unique CDR3
13 unique J



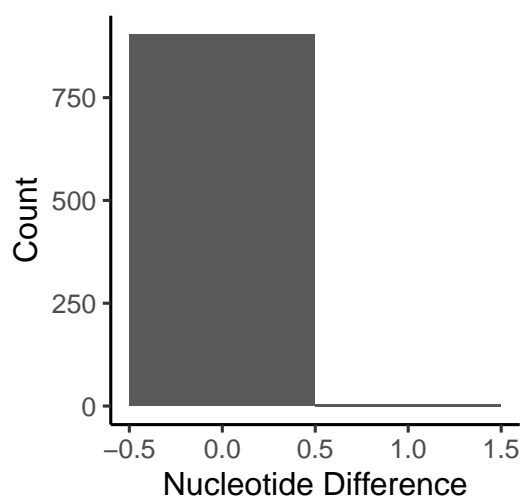
TRBV14*ap01

1903 sequences assigned
1890 (99.3%) exact matches, in which:
1877 unique CDR3
13 unique J



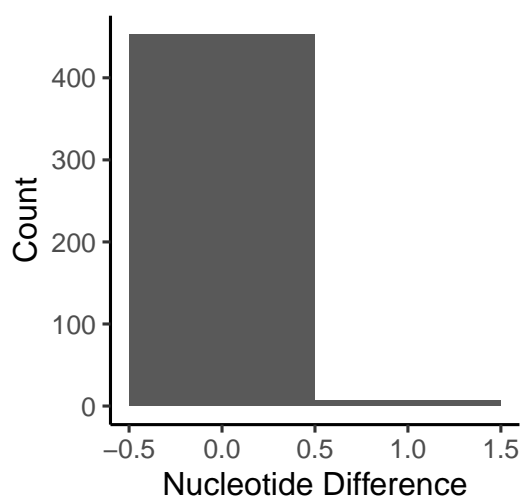
TRBV20-1*ap02

909 sequences assigned
904 (99.4%) exact matches, in which:
900 unique CDR3
13 unique J



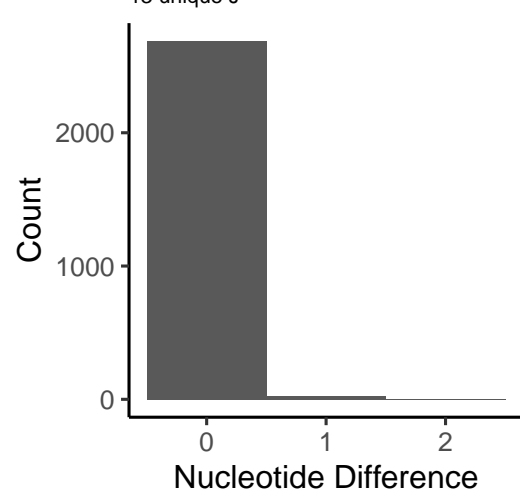
TRBV1*ap01

460 sequences assigned
453 (98.5%) exact matches, in which:
442 unique CDR3
13 unique J



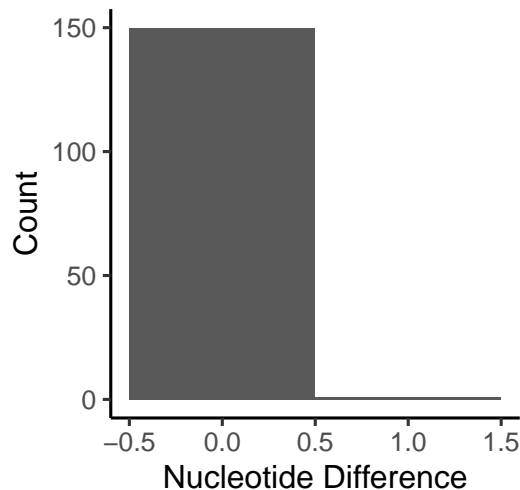
TRBV15*ap02

2716 sequences assigned
2688 (99%) exact matches, in which:
2664 unique CDR3
13 unique J



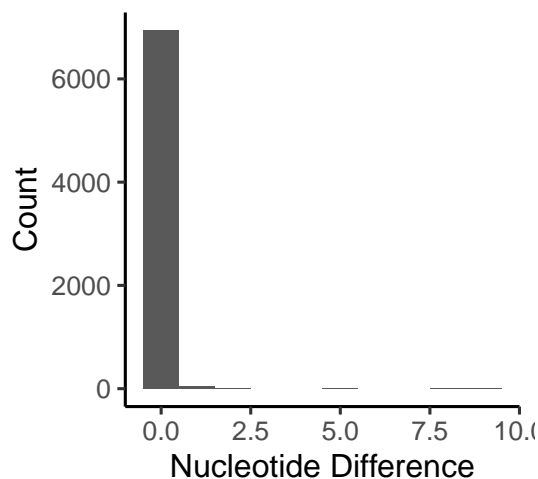
TRBV16*ap01

151 sequences assigned
150 (99.3%) exact matches, in which:
150 unique CDR3
13 unique J



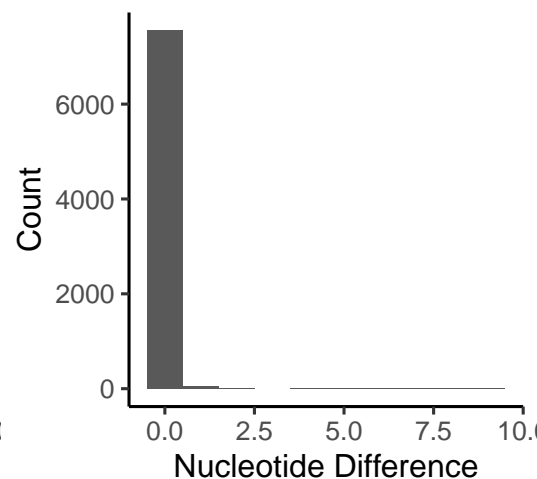
TRBV19*ap01

7002 sequences assigned
6939 (99.1%) exact matches, in which:
6910 unique CDR3
14 unique J



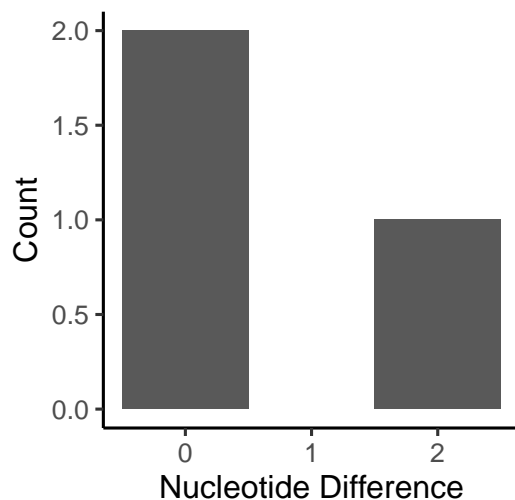
TRBV27*ap01

7622 sequences assigned
7554 (99.1%) exact matches, in which:
7505 unique CDR3
13 unique J



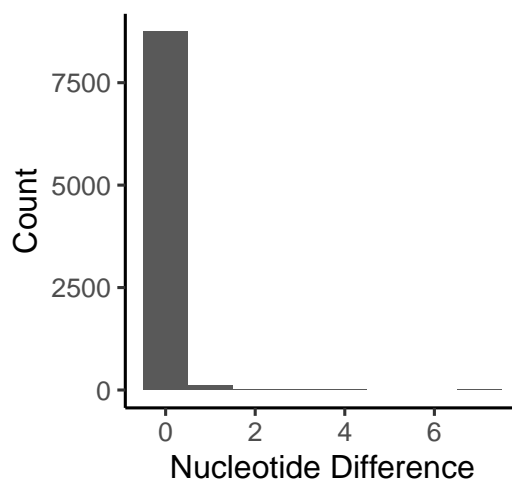
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



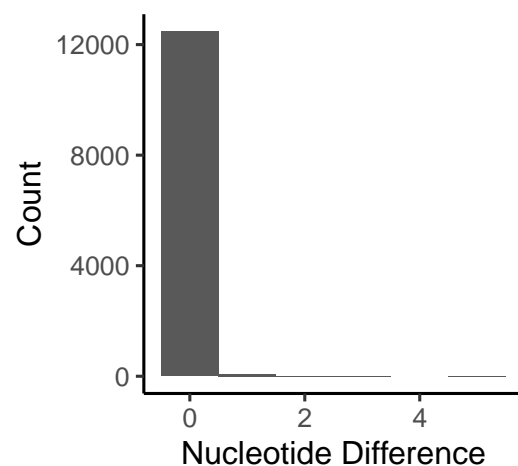
TRBV2*ap01

8852 sequences assigned
8744 (98.8%) exact matches, in which:
8672 unique CDR3
13 unique J



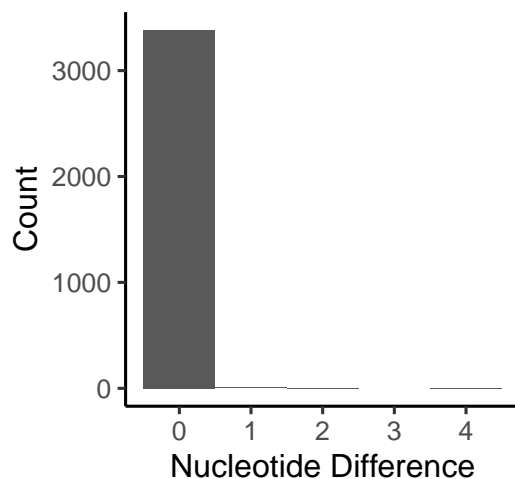
TRBV28*ap01

12557 sequences assigned
12475 (99.3%) exact matches, in which:
12421 unique CDR3
13 unique J



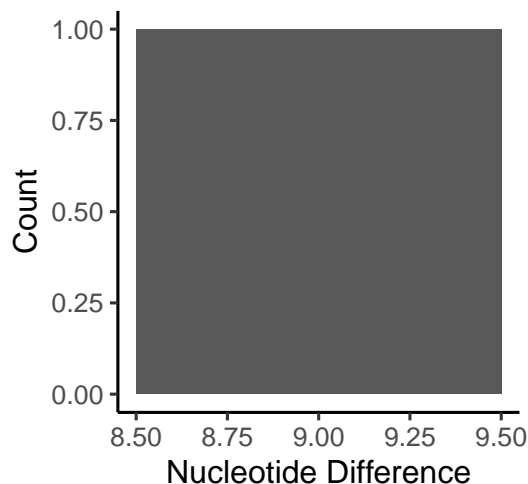
TRBV18*ap01

3393 sequences assigned
3383 (99.7%) exact matches, in which:
3370 unique CDR3
13 unique J



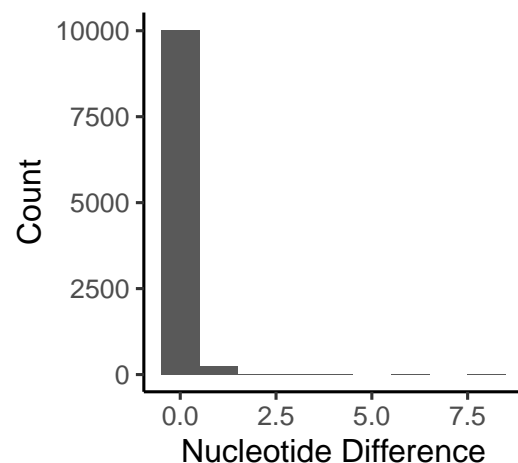
TRBV26*ap01

1 sequences assigned
No exact matches.



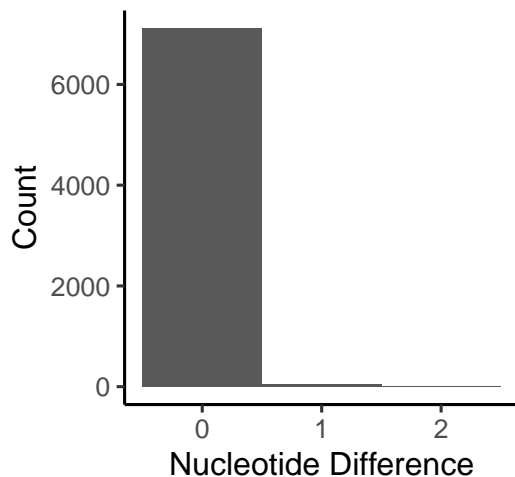
TRBV30*ap01

10305 sequences assigned
10027 (97.3%) exact matches, in which:
9785 unique CDR3
13 unique J



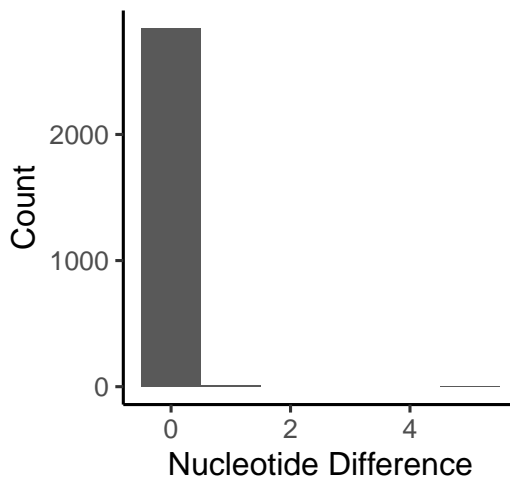
TRBV9*ap01

7173 sequences assigned
7112 (99.1%) exact matches, in which:
7089 unique CDR3
13 unique J



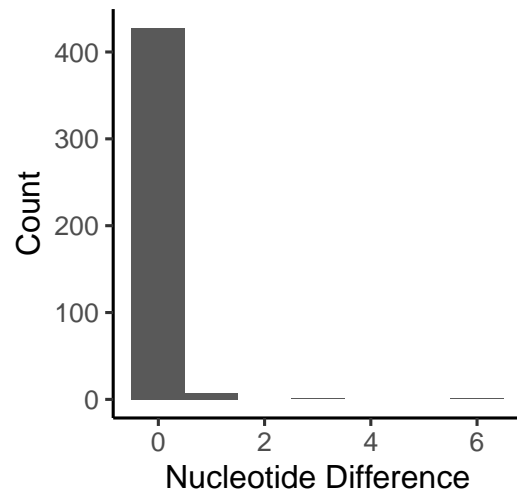
TRBV11-2*ap01

2856 sequences assigned
2841 (99.5%) exact matches, in which:
2822 unique CDR3
13 unique J



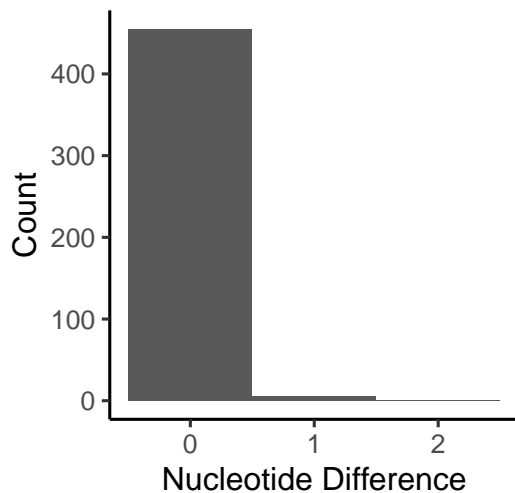
TRBV12-2*ap01

437 sequences assigned
428 (97.9%) exact matches, in which:
424 unique CDR3
13 unique J



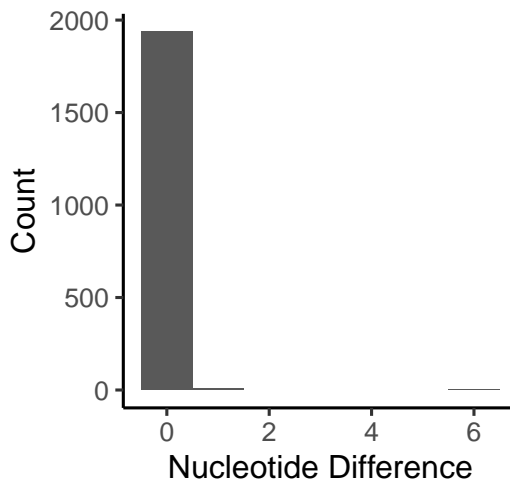
TRBV11-1*ap01

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



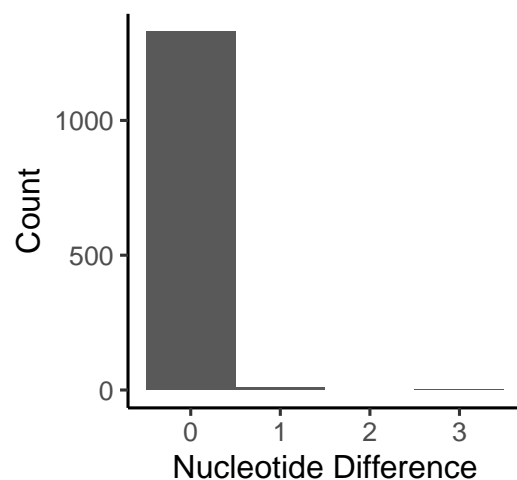
TRBV11-3*ap01

1948 sequences assigned
1937 (99.4%) exact matches, in which:
1930 unique CDR3
13 unique J



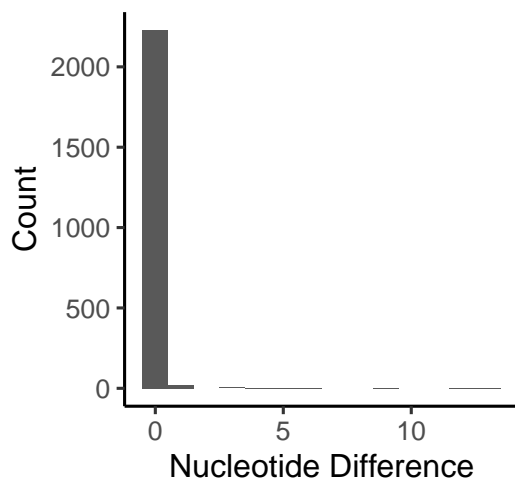
TRBV12-5*ap01

1339 sequences assigned
1329 (99.3%) exact matches, in which:
1325 unique CDR3
13 unique J



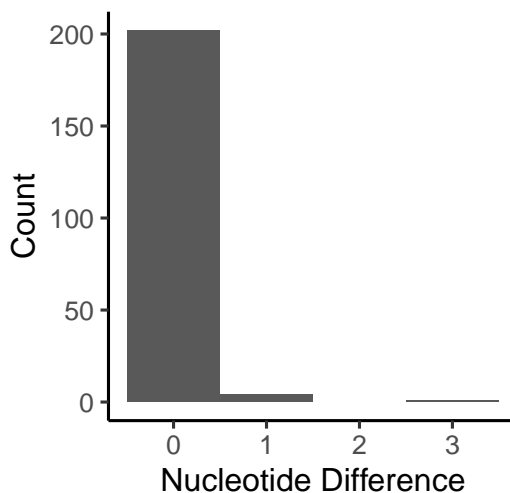
TRBV21-1*ap01

2262 sequences assigned
2229 (98.5%) exact matches, in which:
2223 unique CDR3
13 unique J



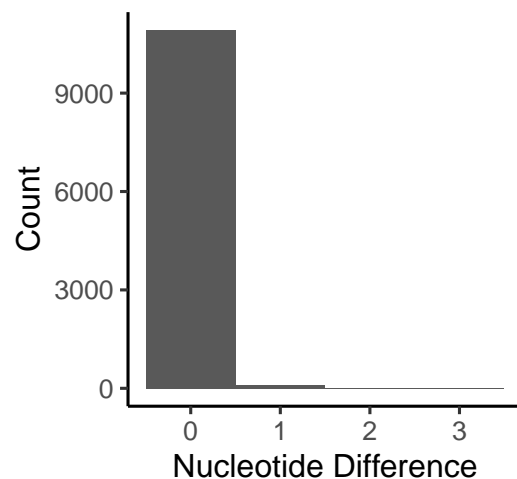
TRBV12-1*ap01

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



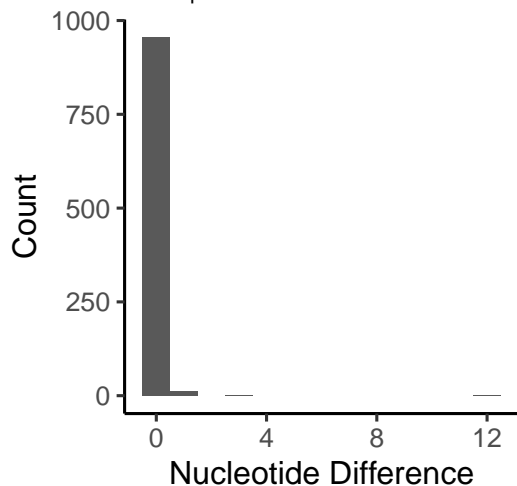
TRBV12-34*ap01

11024 sequences assigned
10923 (99.1%) exact matches, in which:
10828 unique CDR3
13 unique J



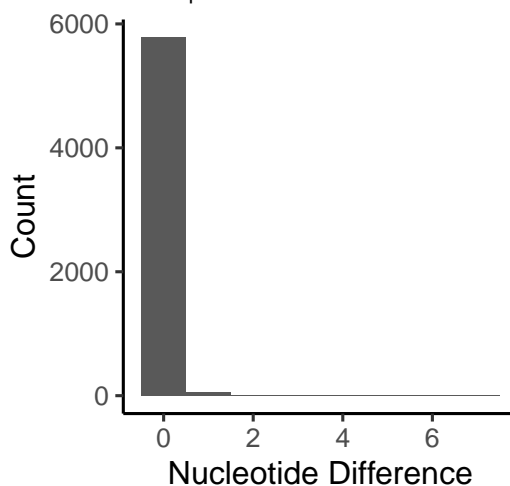
TRBV23-1*ap01

969 sequences assigned
955 (98.6%) exact matches, in which:
951 unique CDR3
13 unique J



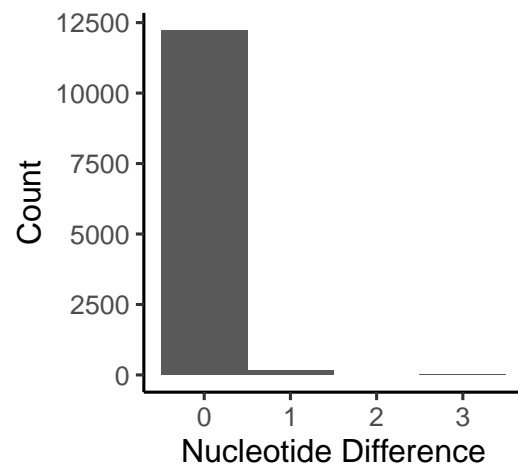
TRBV24-1*ap01

5852 sequences assigned
5782 (98.8%) exact matches, in which:
5708 unique CDR3
13 unique J



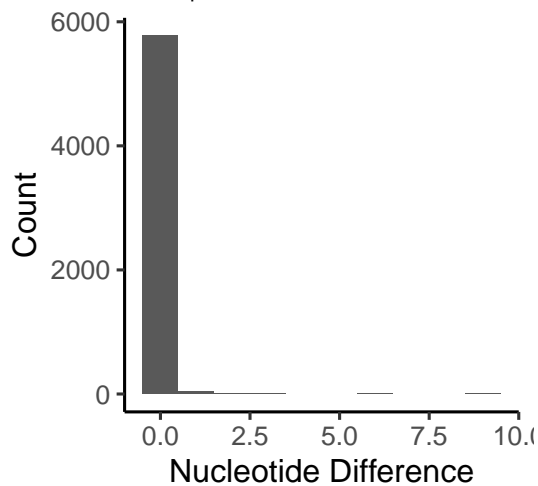
TRBV5-1*ap01

12412 sequences assigned
12233 (98.6%) exact matches, in which:
12134 unique CDR3
13 unique J



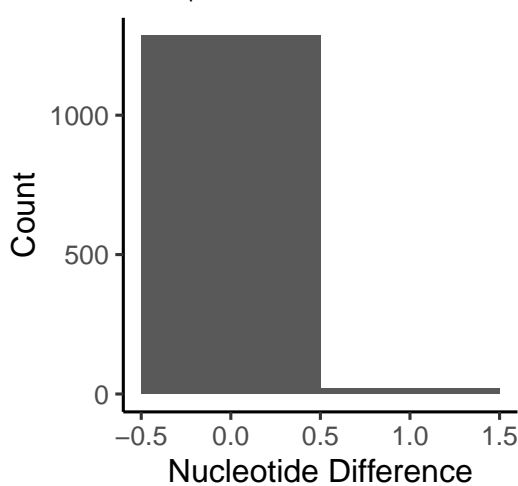
TRBV3-12*ap01

5818 sequences assigned
5775 (99.3%) exact matches, in which:
5752 unique CDR3
13 unique J



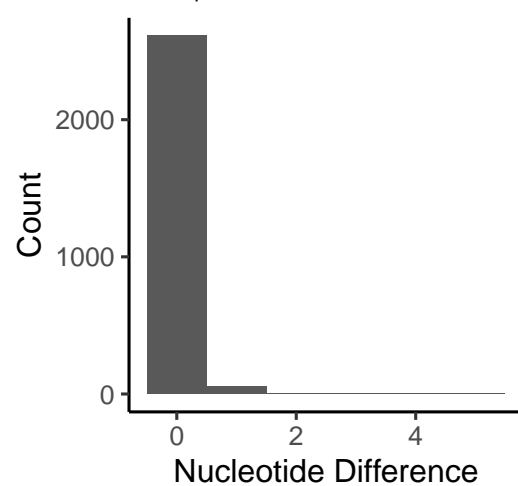
TRBV4-2*ap01

1304 sequences assigned
1285 (98.5%) exact matches, in which:
1274 unique CDR3
13 unique J



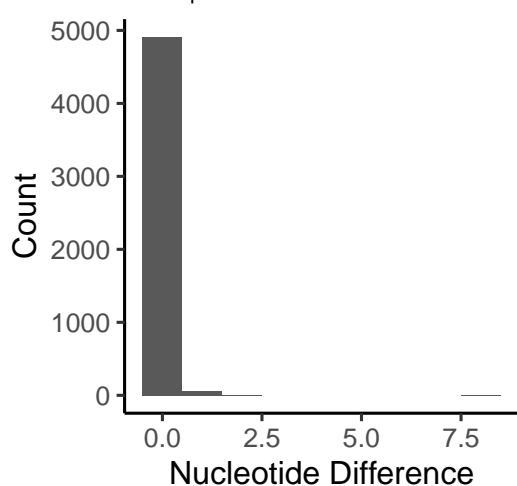
TRBV25-1*ap01

2672 sequences assigned
2612 (97.8%) exact matches, in which:
2556 unique CDR3
13 unique J



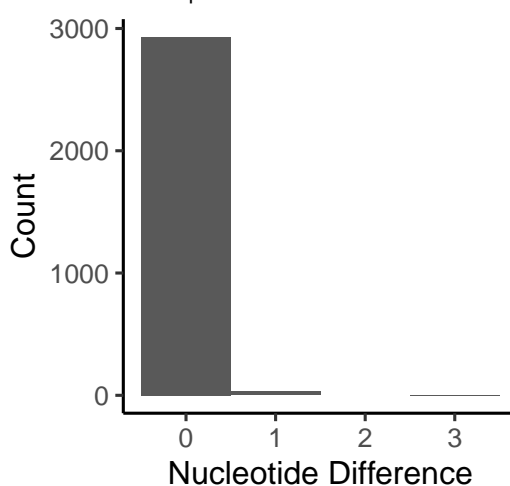
TRBV4-1*ap01

4969 sequences assigned
4909 (98.8%) exact matches, in which:
4849 unique CDR3
13 unique J



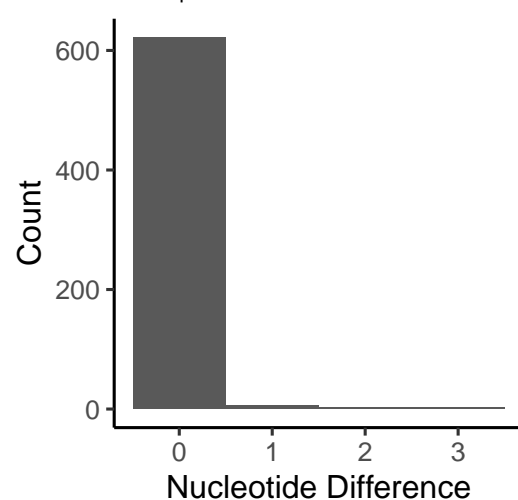
TRBV4-3*ap01

2962 sequences assigned
2930 (98.9%) exact matches, in which:
2902 unique CDR3
13 unique J



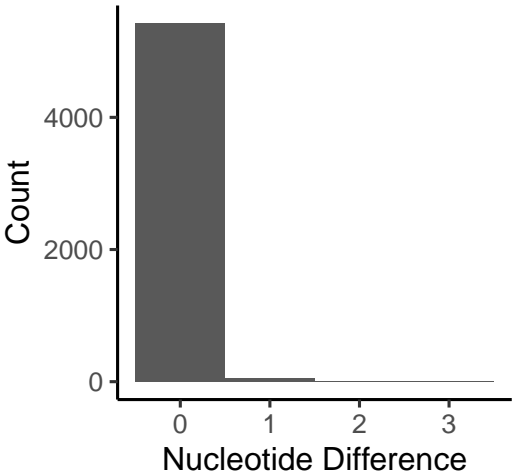
TRBV5-3*ap01

632 sequences assigned
622 (98.4%) exact matches, in which:
617 unique CDR3
13 unique J



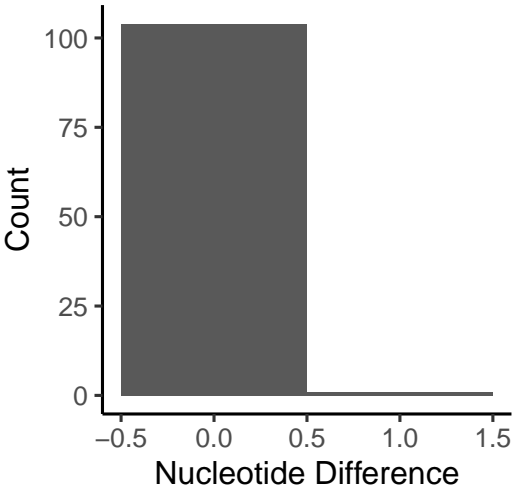
TRBV5-4*ap01

5471 sequences assigned
5422 (99.1%) exact matches, in which:
5370 unique CDR3
13 unique J



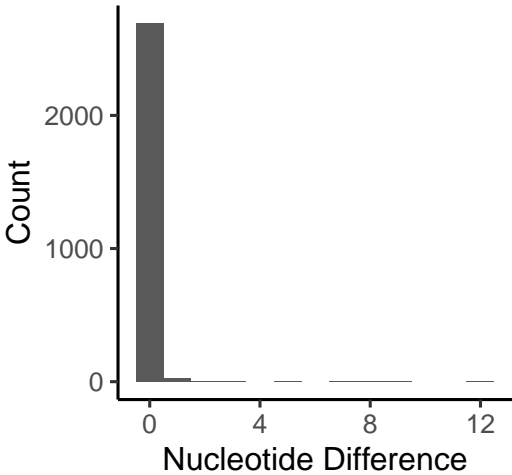
TRBV5-7*ap01

105 sequences assigned
104 (99%) exact matches, in which:
103 unique CDR3
12 unique J



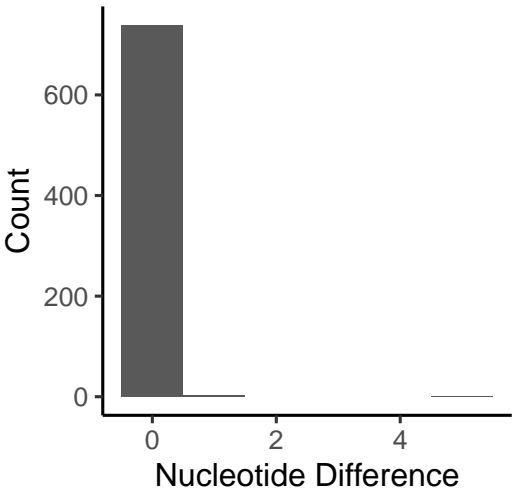
TRBV6-4*ap01

2732 sequences assigned
2691 (98.5%) exact matches, in which:
2666 unique CDR3
13 unique J



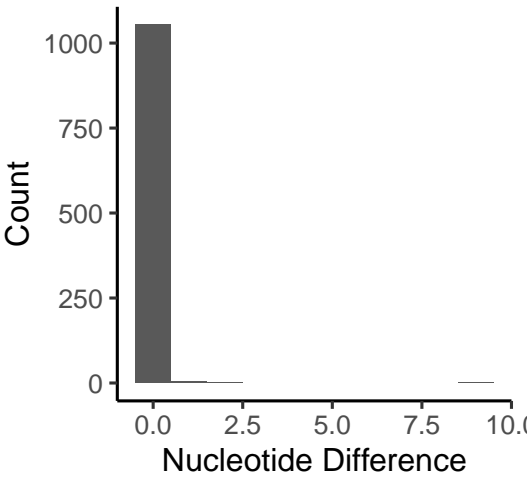
TRBV5-5*ap01

742 sequences assigned
739 (99.6%) exact matches, in which:
736 unique CDR3
13 unique J



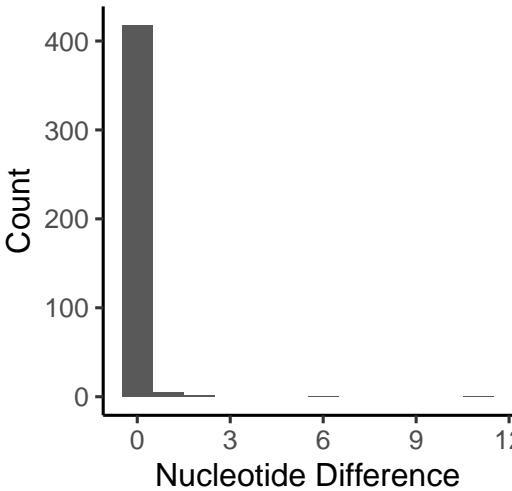
TRBV5-8*ap01

1062 sequences assigned
1054 (99.2%) exact matches, in which:
1049 unique CDR3
13 unique J



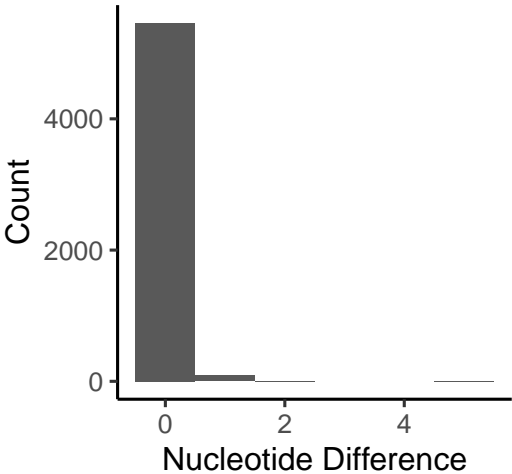
TRBV6-7*ap01

427 sequences assigned
418 (97.9%) exact matches, in which:
412 unique CDR3
13 unique J



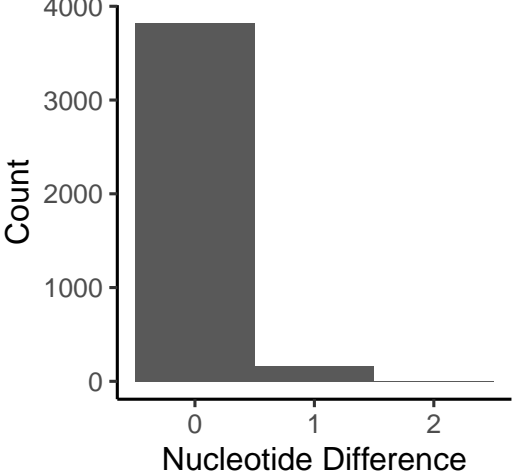
TRBV5-6*ap01

5551 sequences assigned
5460 (98.4%) exact matches, in which:
5391 unique CDR3
13 unique J



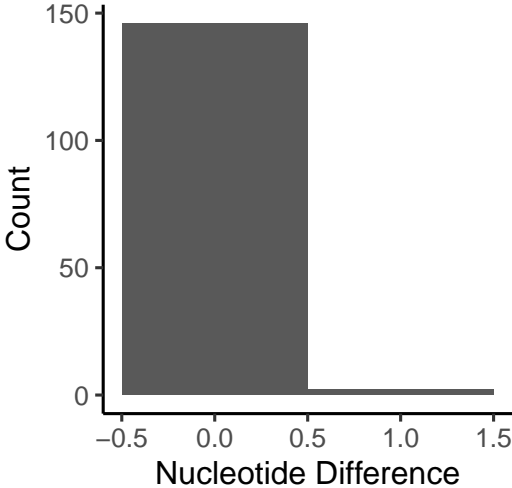
TRBV6-1*ap01

3987 sequences assigned
3821 (95.8%) exact matches, in which:
3777 unique CDR3
13 unique J



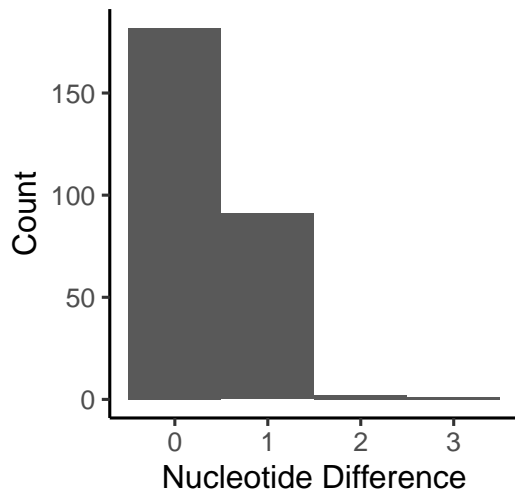
TRBV6-8*ap01

148 sequences assigned
146 (98.6%) exact matches, in which:
144 unique CDR3
13 unique J



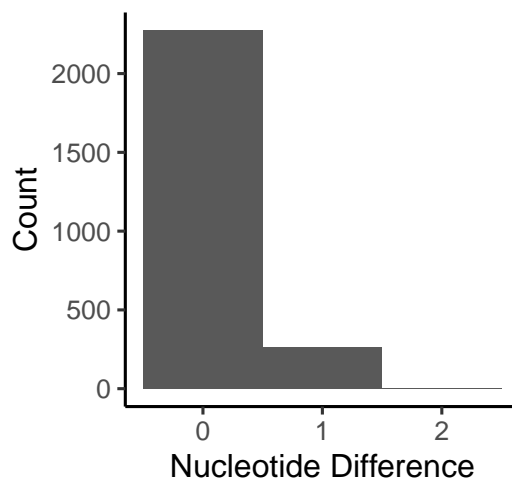
TRBV6-9*ap01

276 sequences assigned
182 (65.9%) exact matches, in which:
178 unique CDR3
13 unique J



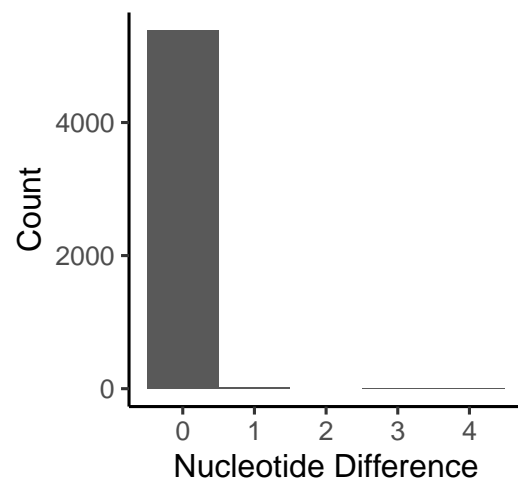
TRBV6-56*ap02

2543 sequences assigned
2274 (89.4%) exact matches, in which:
2239 unique CDR3
13 unique J



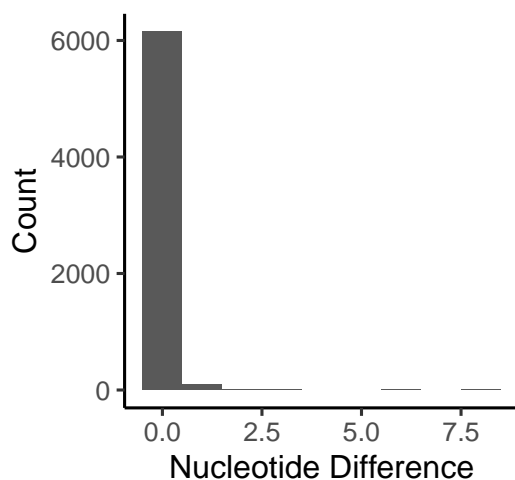
TRBV7-2*ap01

5410 sequences assigned
5384 (99.5%) exact matches, in which:
5355 unique CDR3
13 unique J



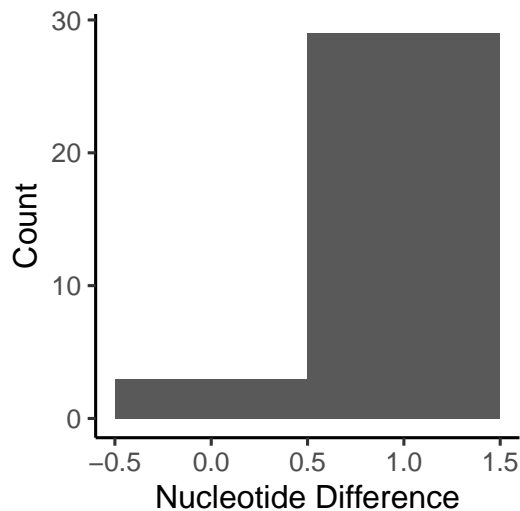
TRBV6-23*ap01

6243 sequences assigned
6150 (98.5%) exact matches, in which:
6050 unique CDR3
13 unique J



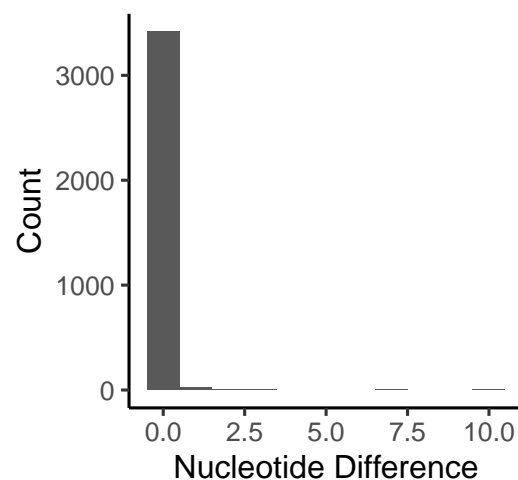
TRBV7-1*ap01_T296C

32 sequences assigned
3 (9.4%) exact matches, in which:
3 unique CDR3
3 unique J



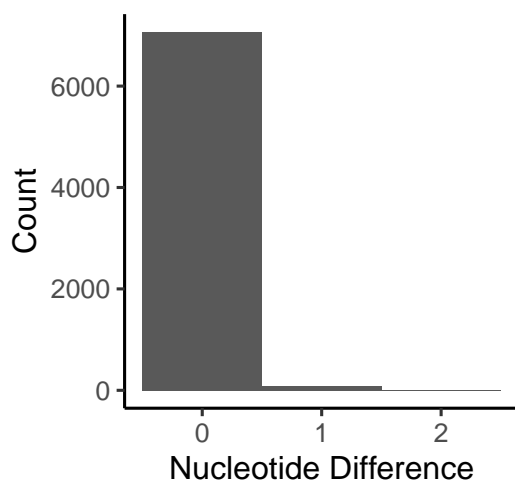
TRBV7-3*ap01

3449 sequences assigned
3416 (99%) exact matches, in which:
3406 unique CDR3
13 unique J



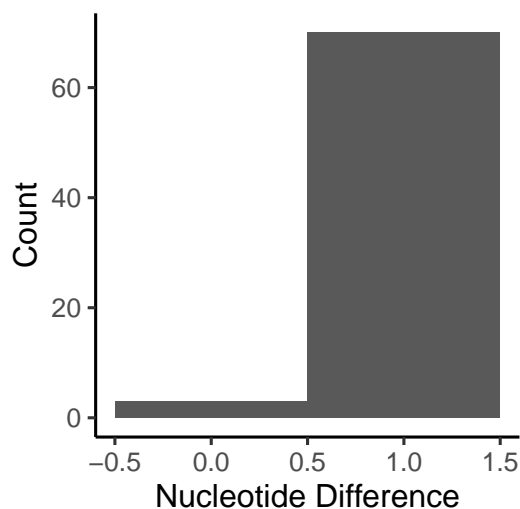
TRBV6-56*ap01

7152 sequences assigned
7066 (98.8%) exact matches, in which:
6933 unique CDR3
13 unique J



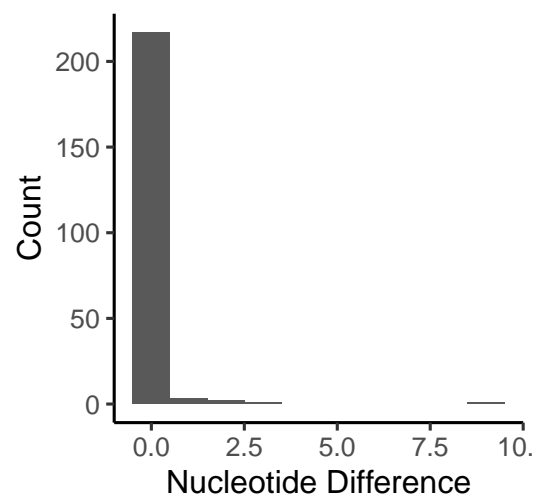
TRBV7-1*ap01_T296C_C

73 sequences assigned
3 (4.1%) exact matches, in which:
3 unique CDR3
3 unique J



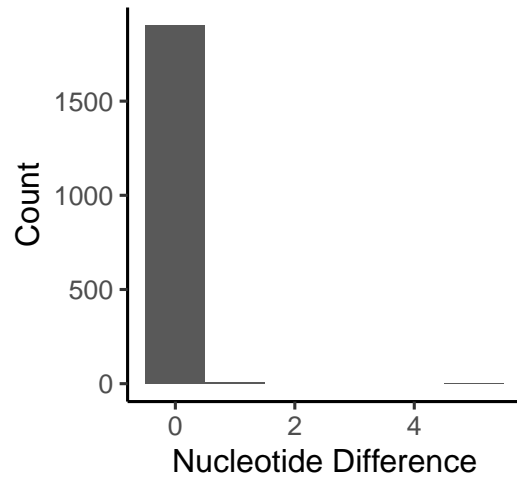
TRBV7-4*ap01

224 sequences assigned
217 (96.9%) exact matches, in which:
217 unique CDR3
12 unique J



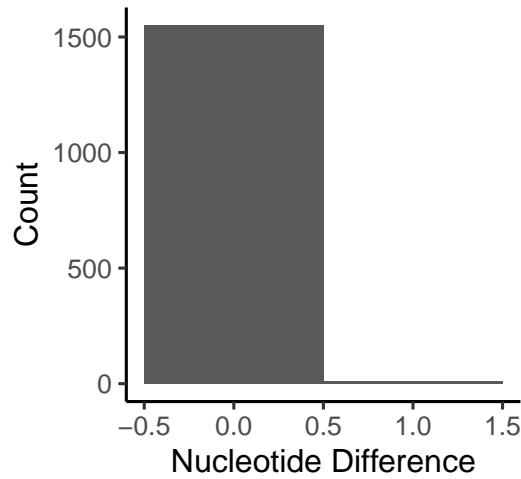
TRBV7-6*ap01

1911 sequences assigned
1902 (99.5%) exact matches, in which:
1893 unique CDR3
13 unique J



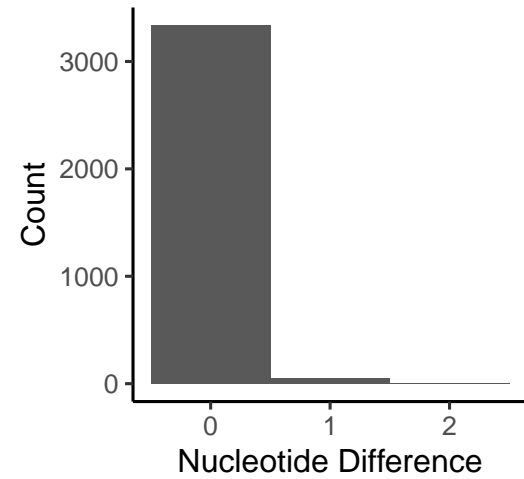
TRBV7-8*ap01

1560 sequences assigned
1550 (99.4%) exact matches, in which:
1540 unique CDR3
13 unique J



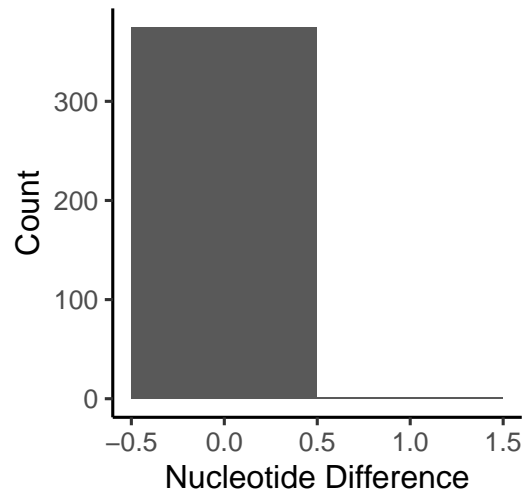
TRBV29-1*ap01

3390 sequences assigned
3336 (98.4%) exact matches, in which:
3275 unique CDR3
13 unique J



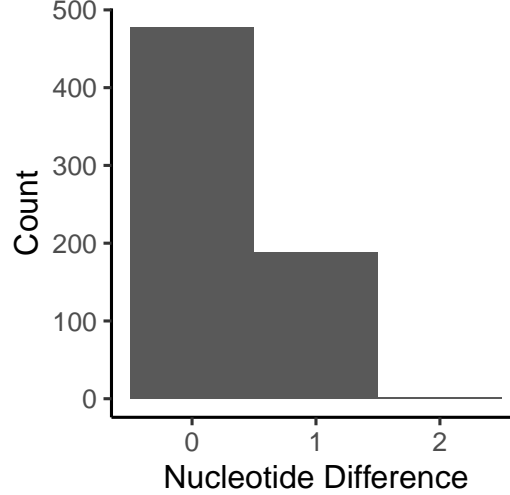
TRBV7-7*ap01

377 sequences assigned
375 (99.5%) exact matches, in which:
370 unique CDR3
13 unique J



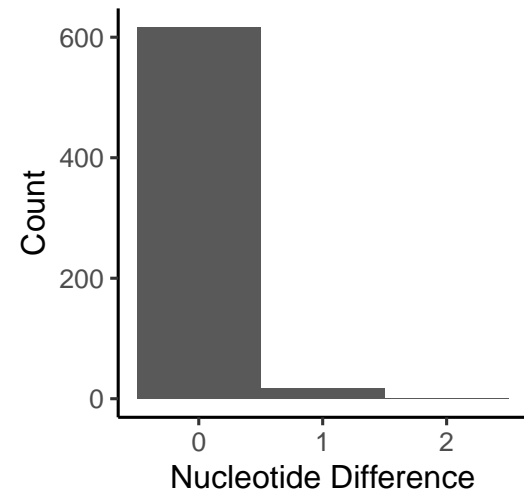
TRBV7-8*ap03

669 sequences assigned
478 (71.4%) exact matches, in which:
475 unique CDR3
13 unique J



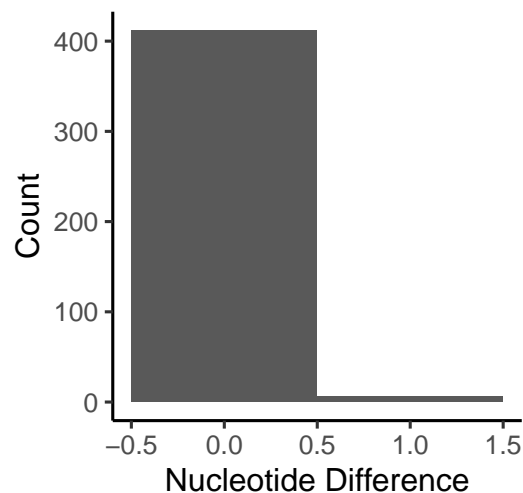
TRBV29-1*ap02

635 sequences assigned
617 (97.2%) exact matches, in which:
607 unique CDR3
13 unique J



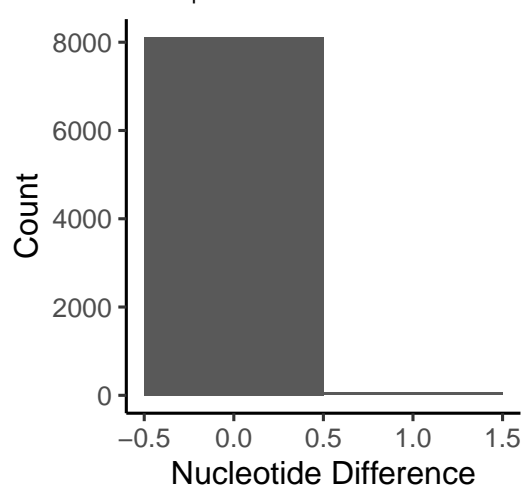
TRBV7-7*ap01_C315T

418 sequences assigned
412 (98.6%) exact matches, in which:
406 unique CDR3
12 unique J

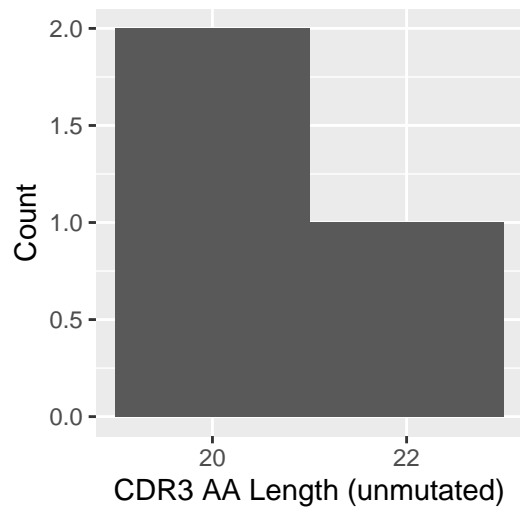


TRBV7-9*ap01

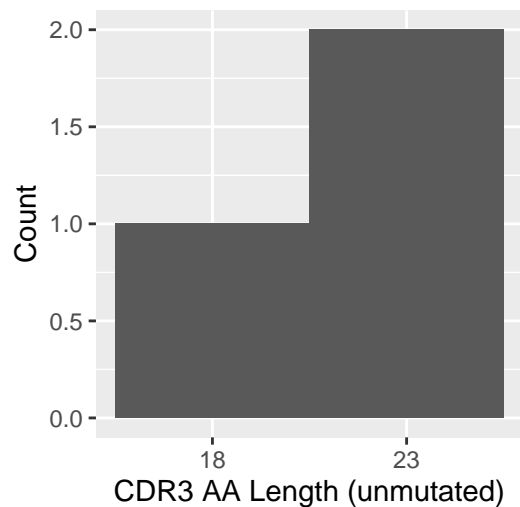
8184 sequences assigned
8117 (99.2%) exact matches, in which:
8081 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

